



PowerGEM

Power Grid Engineering & Markets

Southwest Connecticut Transmission Expansion:
East Shore to Norwalk with a Second 345 kV
Line to East Shore: Transmission Loading and
Voltage Analysis @ 27.7 GW Load, 387 Line
Reconducted, Second Line to East Shore,
NE-NY ± 700 MW and 0 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 considered for expanding the New England 345 kV transmission system into southwest Connecticut (SWCT). The transmission option examined, called East Shore to Norwalk with a Second 345 kV Line to East Shore in this report, is for a 345 kV transmission path from Beseck to East Shore to Norwalk substation, with interconnecting substations between these stations.¹ The East Shore to Norwalk with a second Line to East Shore transmission option, consisting primarily of underground cables with one section of overhead line, is described as follows:

From	To	Distance	Transmission
Beseck	East Shore	20 miles	345 kV overhead, 1590 bundled conductor
East Shore	East Devon	15 miles	345 kV underground, 2500 kcmil HPFF, three parallel cables
East Devon	Singer	8 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables
Singer	Norwalk	15 miles	345 kV underground, 2500 kcmil HPFF, two parallel cables

This option includes a new 345 kV line into the East Shore 345 kV Substation from a new 345 kV switching station located at Beseck Junction. Reconfiguration of the 345 kV system also results in transmission connections from Beseck to the Haddam Neck, Haddam Auto, and Meriden 345 kV buses.

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

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.

SWCT Transmission Expansion:
 East Shore to Norwalk with a Second 345 kV Line to East Shore
 Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ±700 MW and 0 MW

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

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 twenty-four dispatch conditions studied.

Several 115 kV lines were above normal rating in at least one base case dispatch.

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

	Number of Overloaded Branches					
	NE-NY 0 MW		NE-NY 700 MW		NY-NE 700 MW	
	NHHS On	NHHS Off	NHHS On	NHHS Off	NHHS On	NHHS Off
SWCT Dispatch ID	2C-5C	6C-9C	10C-13C	14C-17C	18C-21C	22C-25C
345 kV Line	2	2	2	3	0	0
115 kV Line	23	20	23	20	23	19
345/115 AutoTrans	0	0	2	2	0	0
138 kV CT-LI Tie (1)	0	0	0	0	1	1

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

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

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

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

1. Introduction

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

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This option includes a new 345 kV line into the East Shore 345 kV Substation from a new 345 kV switching station located at Beseck Junction. Reconfiguration of the 345 kV system also results in transmission connections from Beseck to the Haddam Neck, Haddam Auto, and Meriden 345 kV buses.

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

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.

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

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 to Norwalk with a Second 345 kV Line to East Shore Transmission Modeling Data
Appendix B	Power Flow Base Case One-Line Diagrams
Appendix C	Contingency File
Appendix D	Generation Dispatches
Appendix E	Summary of Overloads
Appendix F	Summary of Voltage Violations

2. Database

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

2.1. Power Flow Base Cases

Four power flow base cases, which included the approved Bethel to Norwalk 345 kV project in service, were utilized. PowerGEM revised each of the four cases to add the East Shore to Norwalk with a second 345 kV Line to East Shore transmission configuration. 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.

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

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 2 x 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 proposed Kleen Energy project. Both generators are outside the SWCT interface. Appendix D contains a list of the on-line generation. Significant changes to the four SWCT dispatch cases (2, 3, 4, and 5) were restricted to New England generation.

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

SWCT Transmission Expansion:
 East Shore to Norwalk with a Second 345 kV Line to East Shore
 Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY \pm 700 MW and 0 MW

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

The "C" in the identifier signifies that the modeling of the 387 line assumes that the line is reconductored, as discussed above. An "ESA" is included in the case identifier in the load flow case title to distinguish these cases from those in references 1 through 8. (An example case name is ESA277-2C, where the "2C" is referenced in the table above.)

For this configuration a one-line diagram showing power flows and voltages 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 proposed Kleen Energy project on the Scovill Rock to Manchester 345 kV line, the proposed Beseck Switching Station and the additional 345 kV line to East Shore. This is contained in Appendix C.³

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

3. Methodology and Results Files

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

3.1. Software

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

3.2. Performance Criteria

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

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

3.3. Solution Options

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

4. Transmission Loading Results

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

4.1. Base Case Results

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

There are no 387 line (East Shore to Scovill Rock) or Beseck to East Shore line overloads in the base cases.

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

NE - NY 0 MW										
NHHS On					NHHS Off					
		2C	3C	6C	7C					
73169	RYTN J A	115	73172	NORWALK	115	1	113.6	108.5	115.6	110.5
73172	NORWALK	115	73207	FLAX HIL	115	1	122.0	117.0	124.0	119.0
73207	FLAX HIL	115	73271	RYTN J B	115	1	101.2		103.3	
NE - NY 700 MW										
NHHS On					NHHS Off					
		10C	11C	14C	15C					
73169	RYTN J A	115	73172	NORWALK	115	1	113.0	107.7	114.8	109.7
73172	NORWALK	115	73207	FLAX HIL	115	1	121.4	116.2	123.2	118.2
73207	FLAX HIL	115	73271	RYTN J B	115	1	100.7		102.5	
NY - NE 700 MW										
NHHS On					NHHS Off					
		18C	19C	22C	23C					
73169	RYTN J A	115	73172	NORWALK	115	1	114.5	109.5	116.7	111.5
73172	NORWALK	115	73207	FLAX HIL	115	1	122.9	118.0	125.1	120.0
73207	FLAX HIL	115	73271	RYTN J B	115	1	102.1		104.4	

As the above table indicates, 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

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

Maximum Post-Contingency Overloads 345 kV Transmission		
Line Name	Contingency Rating	Max Overload
East Devon to Singer (underground cable)	794 MVA	25.7%
Norwalk to Singer (underground cable)	794 MVA	28.8%
Scovill Rock to Kleen Energy	1446 MVA	0.2%

One 345/115kV auto-transformer at Southington experiences post-contingency overloads in almost all of the dispatches studied, with the maximum overload being 4.1%. One Norwalk 345/115 kV transformer is overloaded by 0.7% for one dispatch.

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

Finally, for dispatches 21C and 25C the auto-transformer associated with the Connecticut to Long Island AC cables (1385 line) is overloaded. The maximum overload is 5.3 %, which occurs when New York is exporting power to New England.

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

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

		Table 1 (ESA Series Cases, 2nd Line to East Shore)																																
		% Highest Overload: 27.7 GW NE Load, Dispatches 2C-25C, Reconductored 387 Line, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk																																
		NE - NY 700 MW														NY - NE 700 MW																		
		NHHS On-Line							NHHS Off-Line							NHHS On-Line							NHHS Off-Line							NE - NY 0 MW				
		10C	11C	12C	13C	14C	15C	16C	17C	18C	19C	20C	21C	22C	23C	24C	25C	2C	3C	4C	5C	6C	7C	8C	9C									
Max Ovid%																																		
73106	SOUTHGTN 345 73154 SGTN B 115 2				1.3	1.9	0.1		4.1																									
73107	SCOVLT RK 345 73114 KLEEN 345 1								0.2																									
73162	WATERSDE 115 73163 COS COB 115 1	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8									
73162	WATERSDE 115 73168 GLNBROOK 115 1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5									
73166	NORHR138 138 73171 NWLK HAR 115 1	5.3											2.3				5.3																	
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	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	3.7			1.8				2.8				2.7			3.7					2.2				3.2									
73168	GLNBROOK 115 73237 ELYAVE 115 1	54.8		50.9	53.7			51.3	54.2			51.2	54.3			51.7	54.8			50.9	54			51.4	54.4									
73168	GLNBROOK 115 73271 RYTN J B 115 1	49.7	19.5	15.8	37.9	46.9	20.9	17.2	39.3	48.4	20.7	17	39.3	48.2	22.2	18.5	40.6	49.7	20	16.3	38.5	47.5	21.5	17.8	39.9	49								
73169	RYTN J A 115 73171 NWLK HAR 115 1	44.1		44.1	43			44	42.9			43.7	43.1			43.5	43			43.7	43			43.6	42.9									
73169	RYTN J A 115 73172 NORWALK 115 1	85.5	81.3	75.4		83.1	77.6			83.1	77.6			85.5	79.8			81.9	76.4			84.1	78.5											
73170	PLUMTREE 115 73176 TRIANGLE 115 1	82.3	73	72.7	72.6	72.6	79.8	82.3	73	80.6	73.6	72.5	70.4	72	81.3	73.4	71	80.2	73.3	72.5	71.6	72.2	80.1	73.4	72.1	80.3								
73170	PLUMTREE 115 73176 TRIANGLE 115 2	35	34.7	34.8	34.9	34.7	34.2	35	35	34.4	34.7	34.7	34.5	34.5	34.4	34.8	34.5	34.2	34.7	34.7	34.7	34.6	34.2	34.9	34.8	34.3								
73170	PLUMTREE 115 73268 MIDLDRIV 115 1	186.4	182.9	183	183	182.8	185.2	186.4	183.2	185.5	183.1	182.8	181.9	182.5	185.7	183.1	182.4	185.3	183	182.8	182.6	182.6	185.3	183.1	182.8	185.4								
73171	NWLK HAR 115 73237 ELYAVE 115 1	60.8		49.8	57.8			51.1	59.2			50.9	59.4			52.1	60.8			50	58.5			51.4	59.9									
73171	NWLK HAR 115 73271 RYTN J B 115 1	4.3		4.2	4.2			4.2	4.2			4.3	4.2			4.2	4.2			4.3	4.2			4.2	4.2									
73172	NORWALK 115 73207 FLAX HIL 115 1	99.9	95.7	89.9		97.6	92			97.6	92.1			99.9	94.3			96.4	90.9			98.6	93											
73172	NORWALK 115 73293 NORWALK 345 2	0.7		0.7				0.2																										
73188	BCNFL PF 115 73192 DRBY J B 115 1	31.6	28.7	26.8	26	30.9	28.9	27.1	26.3	31.5	29.3	26.6	26.1	31	28.2	27.3	26.5	31.6	28.8	26.9	26	31	29	27.2	26.4	31.6								
73192	DRBY J B 115 73705 IND.WELL 115 1	2.2			2.2															0.5														
73207	FLAX HIL 115 73271 RYTN J B 115 1	82.5	78.3	72.3		80.1	74.5			80.1	74.6			82.5	76.8			79	73.3			81.1	75.5											
73224	TRMB J A 115 73700 PEQUONIC 115 1	9.6			9.6			3.2				6.1								8				1.6										
73227	E.MERIDN 115 73633 NO.WALLF 115 1	14.1	6.9			8.5	12.4		14.1	5.9			7.5	11.4		13	6.3			8		11.8		13.4										
73230	HADDAM 115 73231 BOKUM 115 1	5.8				4.9			5.8							0.1						2.3			3.1									
73268	MIDLDRIV 115 73176 TRIANGLE 115 1	125.2	122.1	122.1	122.1	124.4	125.2	122.2	124.7	122.3	122	121.3	121.9	124.8	122.3	121.7	124.5	122.2	122	121.9	122	124.5	122.3	122	124.6									
73311	DEVSING2 345 73313 SINGDEV2 345 1	25.7	25.7			4.9	23		2.7									10.9				8												
73317	NORSING2 345 73315 SINGNOR2 345 1	28.8	3.7	28.8	14.4			24	9.7											14.9	0.4			10.3										
73669	GRAND AV 115 73681 WEST RIV 115 1	5.1				5.1							3.8											4.5										
73669	GRAND AV 115 73681 WEST RIV 115 2	5.1				5.1							3.8											4.5										
73680	WATER ST 115 73681 WEST RIV 115 1	2.6	0.1			0.6				2.2			2.6					1.1						1.5										
73701	CRRA JCT 115 73703 ASHCREEK 115 1	0.1									0.1																							

5. Transmission Voltage Results

5.1. Tables of Results

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

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

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

5.2. Discussion of Results

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

**TABLE 2 (ESA Series Cases, Second Line to East Shore)
Worst Low Voltage Violations**

27.7 GW NE Load, Dispatches 2C-25C, Reconstructed 387 Line, 3 Cables EShore-EDevon, 2 Cables EDevon-Norwalk

115 kV bus	Worst Viol	NE - NY 700 MW									NY - NE 700 MW							NE - NY 0 MW							
		NHHS On				NHHS Off					NHHS On				NHHS Off			NHHS On			NHHS Off				
		10C	11C	12C	13C	14C	15C	16C	17C	18C	19C	20C	21C	22C	23C	24C	25C	2C	3C	4C	5C	6C	7C	8C	9C
BALDWINB	0.035	0.020	0.015	0.016	0.033	0.020	0.015	0.016	0.035	0.020	0.013	0.015	0.032	0.015	0.015	0.015	0.034	0.020	0.014	0.015	0.033	0.020	0.015	0.015	0.035
BCNFL PF	0.006				0.004				0.006				0.003				0.005				0.003				0.005
BUNKER H	0.035	0.020	0.014	0.016	0.033	0.020	0.015	0.016	0.035	0.019	0.013	0.015	0.032	0.015	0.014	0.015	0.034	0.020	0.014	0.015	0.033	0.020	0.015	0.015	0.035
ELMWST A	0.016				0.016	0.000			0.008				0.004				0.006	0.001			0.010				0.008
ELMWST B	0.018				0.018	0.002			0.010				0.006	0.001			0.008	0.003			0.012	0.002			0.010
FREIGHT	0.037	0.022	0.016	0.017	0.035	0.021	0.016	0.017	0.037	0.021	0.015	0.016	0.034	0.016	0.016	0.016	0.036	0.022	0.016	0.017	0.034	0.021	0.016	0.017	0.036
SO.NAUG	0.005				0.004				0.005				0.003				0.005				0.003				0.005

Note: There were no 345 kV voltage violations

6. References

1. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, New Haven Harbor Station On-Line, NE-NY 0 MW, PowerGEM Report 10021.001-1 Revised, dated January 28, 2004.
2. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, New Haven Harbor Station Off-Line, NE-NY 0 MW, PowerGEM Report 10021.001-2, dated January 28, 2004.
3. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, New Haven Harbor Station On-Line, NE-NY 0 MW, PowerGEM Report 10021.001-3 dated January 28, 2004.
4. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, New Haven Harbor Station Off-Line, NE-NY 0 MW, PowerGEM Report 10021.001-4 dated January 28, 2004.
5. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ± 700 MW, PowerGEM Report 10021.001-5 dated February 16, 2004.
6. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV OH/UG Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, NE-NY ± 700 MW, PowerGEM Report 10021.001-6 dated February 16, 2004.
7. Southwest Connecticut Transmission Expansion, East Shore to Norwalk 345 KV East Shore to East Devon All Underground Alternative: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Re-conductored, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-7 dated April 14, 2004.
8. Southwest Connecticut Transmission Expansion, East Shore to Norwalk with a Second 345 kV Line to East Shore: Transmission Loading and Voltage Analysis @ 27.7 GW Load, 387 Line Existing, Second Line to East Shore, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-8 dated May 25, 2004.
9. Southwest Connecticut Transmission Expansion: East Shore to Norwalk All Underground, 387 Line Reconductored with Genessee and Looped into Beseck: Transmission Loading and Voltage

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ± 700 MW and 0 MW

Analysis @ 27.7 GW Load, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-9 dated July 20, 2004.

10. Southwest Connecticut Transmission Expansion: East Shore to Norwalk All Underground, 387 and 329 Lines Reconductored (using Genessee), Beseck Switching Station without Beseck to East Shore Line: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-11 dated September 7, 2004.
11. Southwest Connecticut Transmission Expansion: East Shore to Norwalk All Underground, 387 Line Reconductored with 2x954 and Looped into Beseck: Transmission Loading and Voltage Analysis @ 27.7 GW Load, NE-NY ± 700 MW and 0 MW, PowerGEM Report 10021.001-12, dated September 7, 2004.

Appendix A

Underground Cable and Overhead Line Transmission Modeling Data

Circuit Parameters: East Shore to Norwalk 345 kV All Underground Cable															
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	0.0002047	0.2192953	632 / 794 / 794		100	100	
Singer	E.Devon	2	8	2500 kcmil HPFF U/G	0.00033	0.00163	1.74022	0.00004125	0.0002038	0.2175275	632 / 794 / 794		80	80	
E.Devon	E.Shore	3	15	2500 kcmil HPFF U/G	0.00062	0.00307	3.28943	0.00004133	0.0002047	0.2192953	632 / 794 / 794		161	161	

Circuit Parameters: Beseck 345 kV Switching Station Overhead Lines													
From	To	No. of Ckts	Miles	Type	Each Circuit							Ratings (MVA)	Comments
					R (total)	X (total)	B (total)	R/mile	X/mile	B/mile			
Beseck	E. Shore	1	20	1590 bund. ACSR O/H	0.00058	0.0094	0.176	0.000029	0.00047	0.0088	2038 / 2634 / 3090	New circuit	
Beseck	Haddam Neck	1			0.00076	0.00923	0.16026				1488 / 1793 / 1793	Existing line reconnection	
Beseck	Haddam Auto	1			0.00056	0.00675	0.12030				1488 / 1912 / 2097	Existing line reconnection	
Beseck	Meriden	1			0.00030	0.00386	0.17600				1488 / 1912 / 2097	Existing line reconnection	

Appendix B

Power Flow Base Case One-Line Diagrams

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

NHHS = 447 MW New Haven Harbor Station

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ±700 MW and 0 MW

Dispatch Changes to Create 700 MW NE to NY Cases

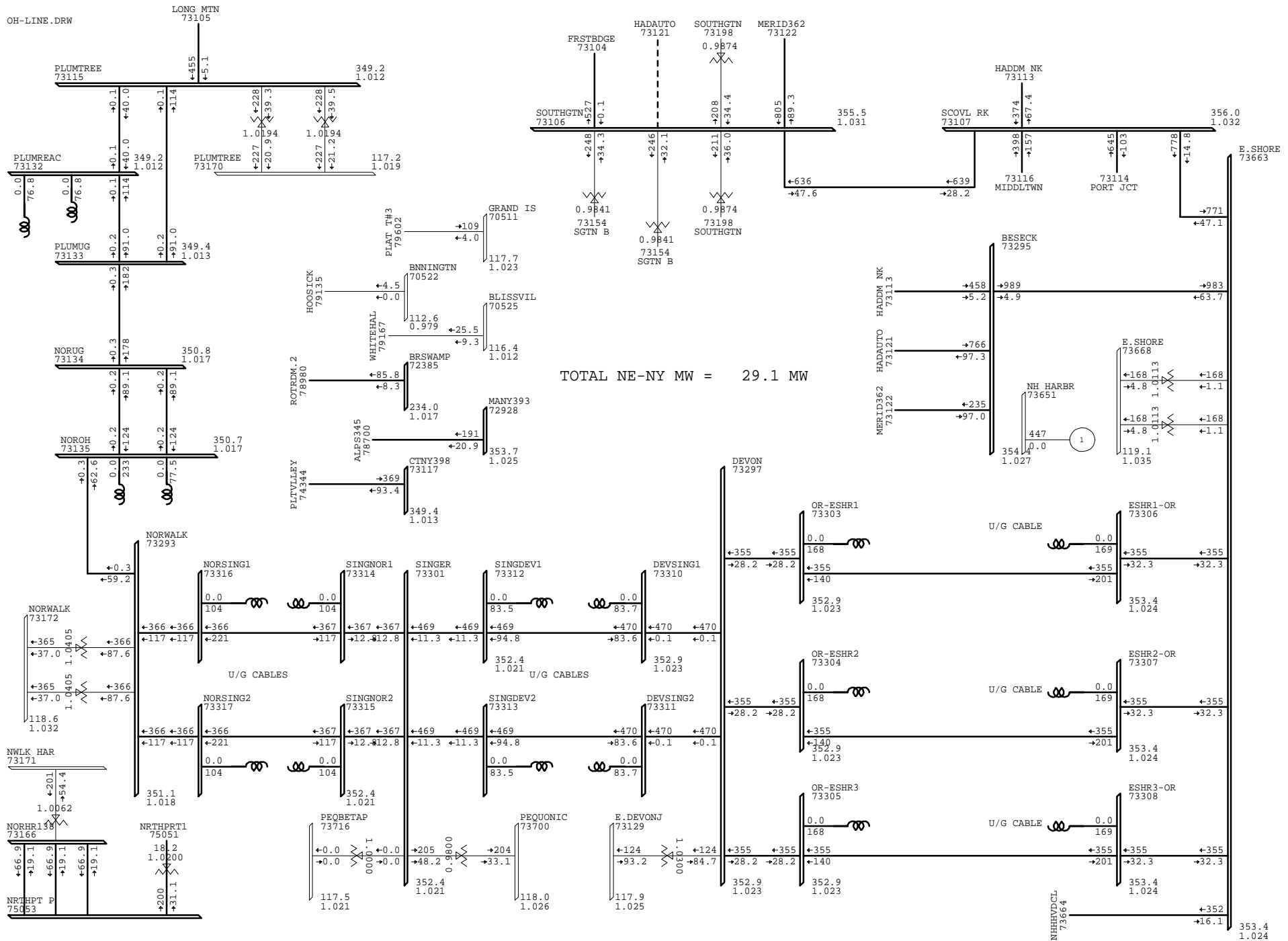
Bring on MIS GT2 (70061) at reduced output	+150.0 MW
Bring on Edgar GT1 (70909)	+276.2 MW
Bring on Edgar ST1 (70911) at reduced output	<u>+273.8 MW</u> *adjust as needed
	+700.0 MW

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

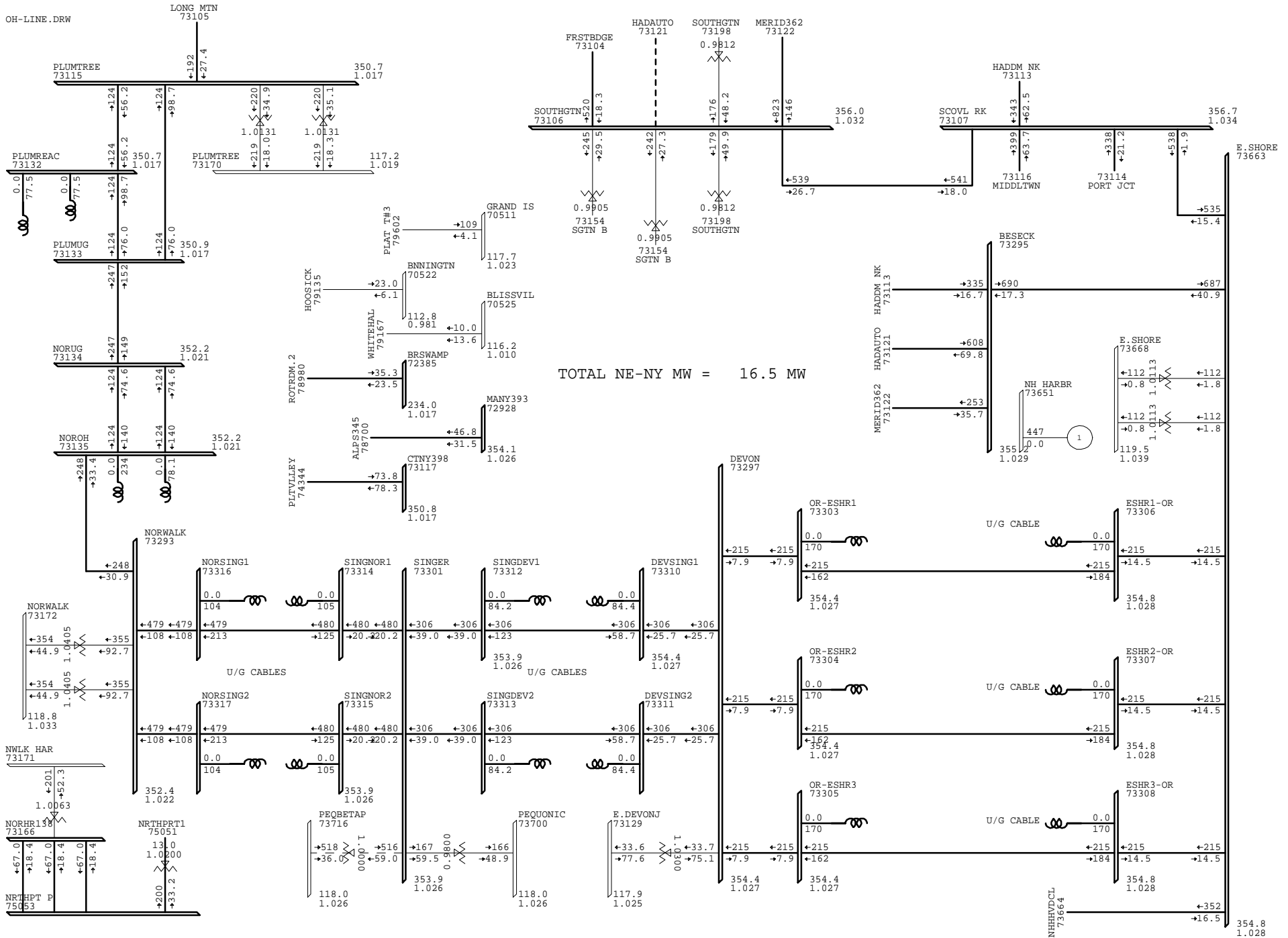
Dispatch Changes to Create 700 MW NY to NE Cases

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

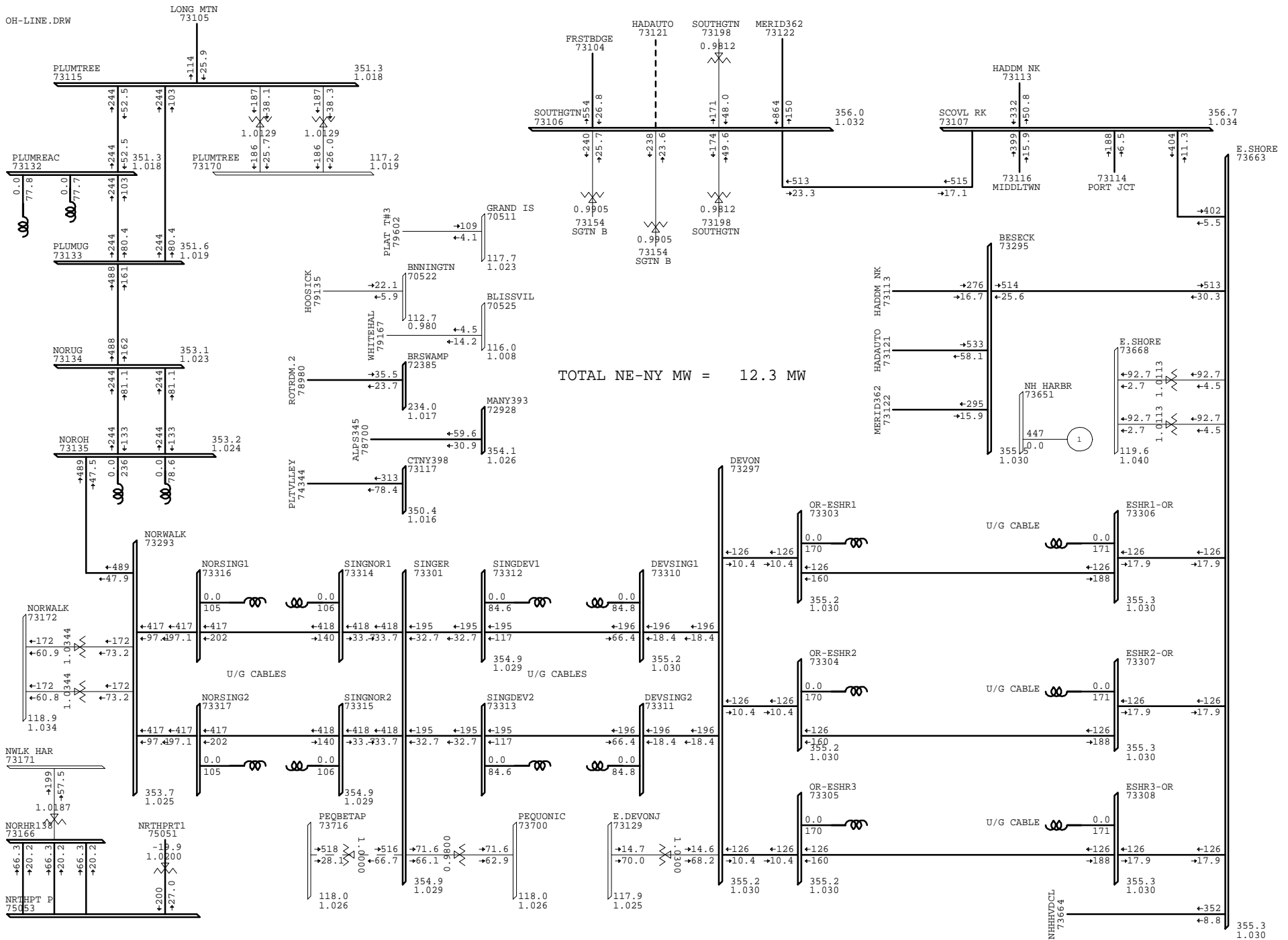
Bring on Gowanus 3GT (74776)	+110.0 MW
Bring on Athens C (78710)	+248.0 MW
Bring on Athens S (78711)	+112.0 MW
Increase Roseton Gen1 (74190)	<u>+230.0 MW</u> *adjust as needed
	+700.0 MW



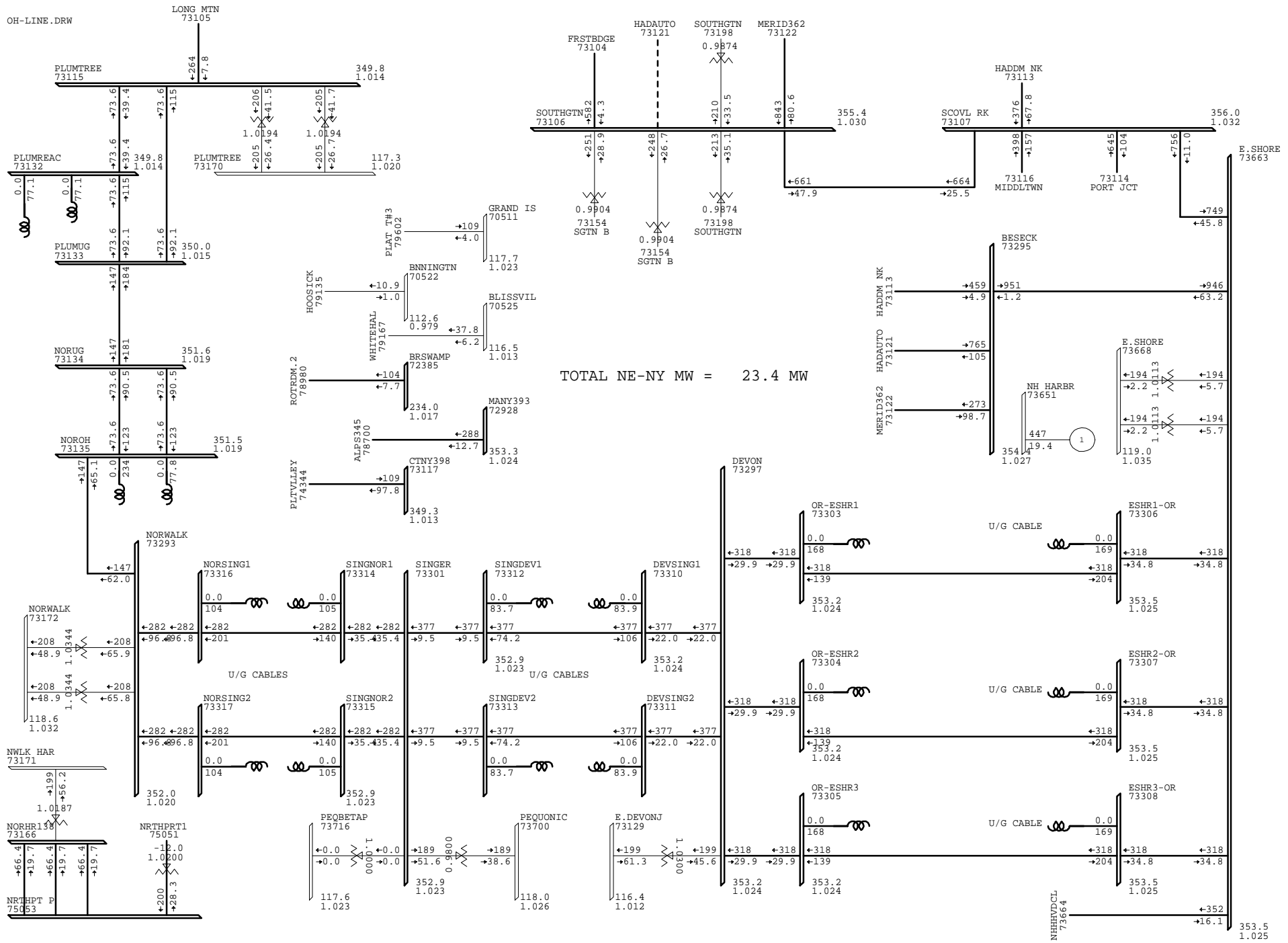
TOTAL NE-NY MW = 29.1 MW



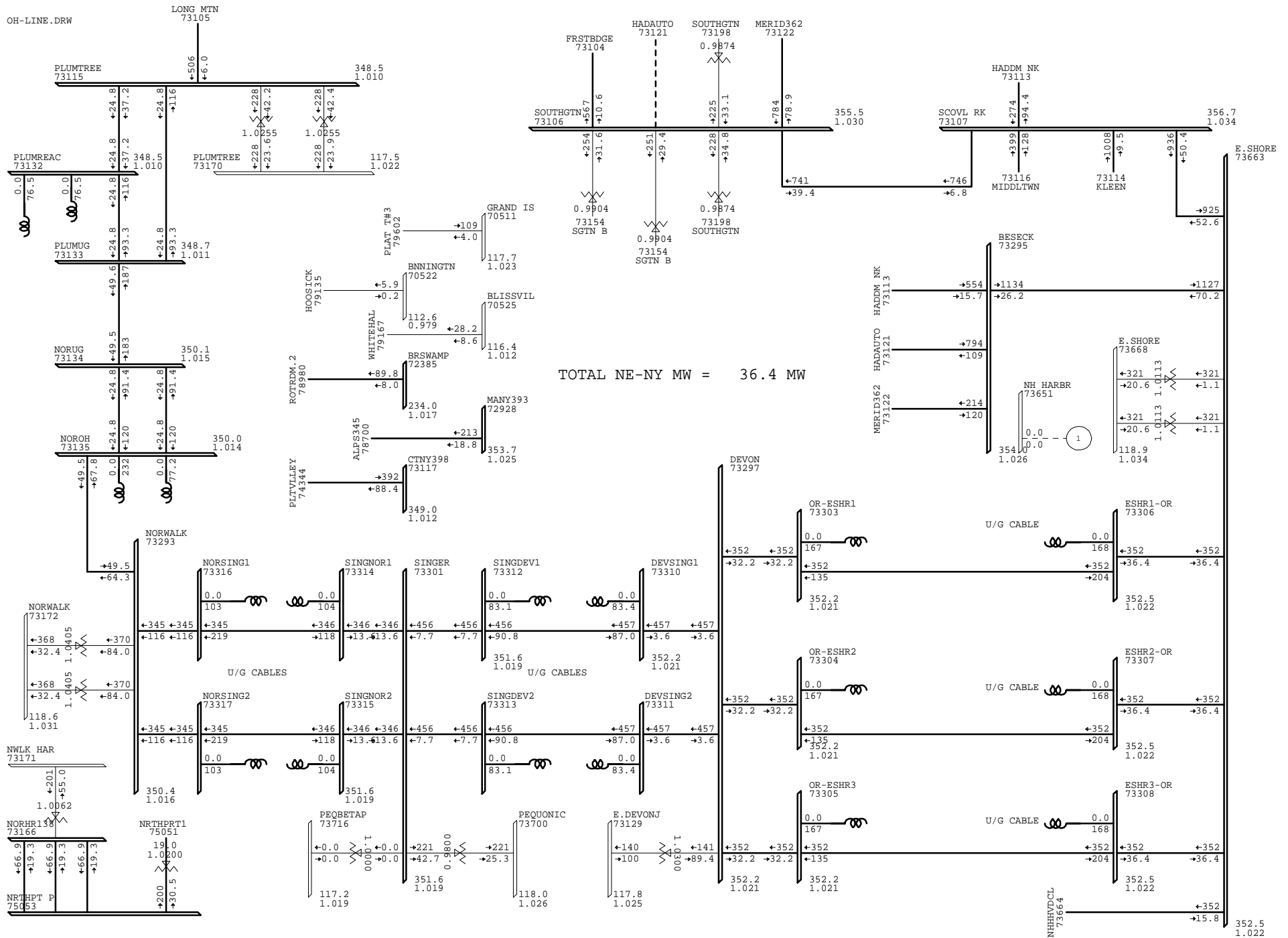
TOTAL NE-NY MW = 16.5 MW



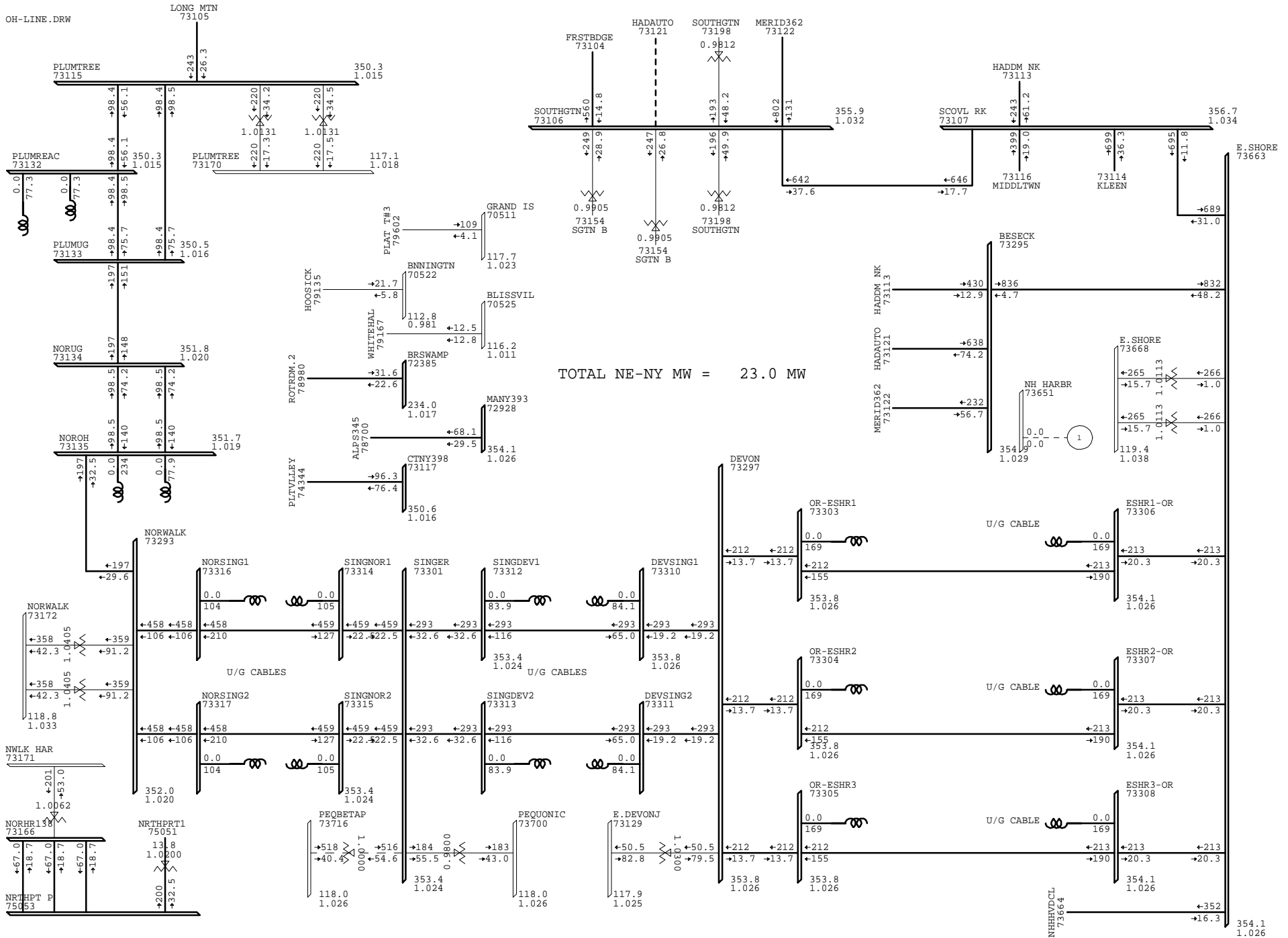
TOTAL NE-NY MW = 12.3 MW



TOTAL NE-NY MW = 23.4 MW



TOTAL NE-NY MW = 36.4 MW



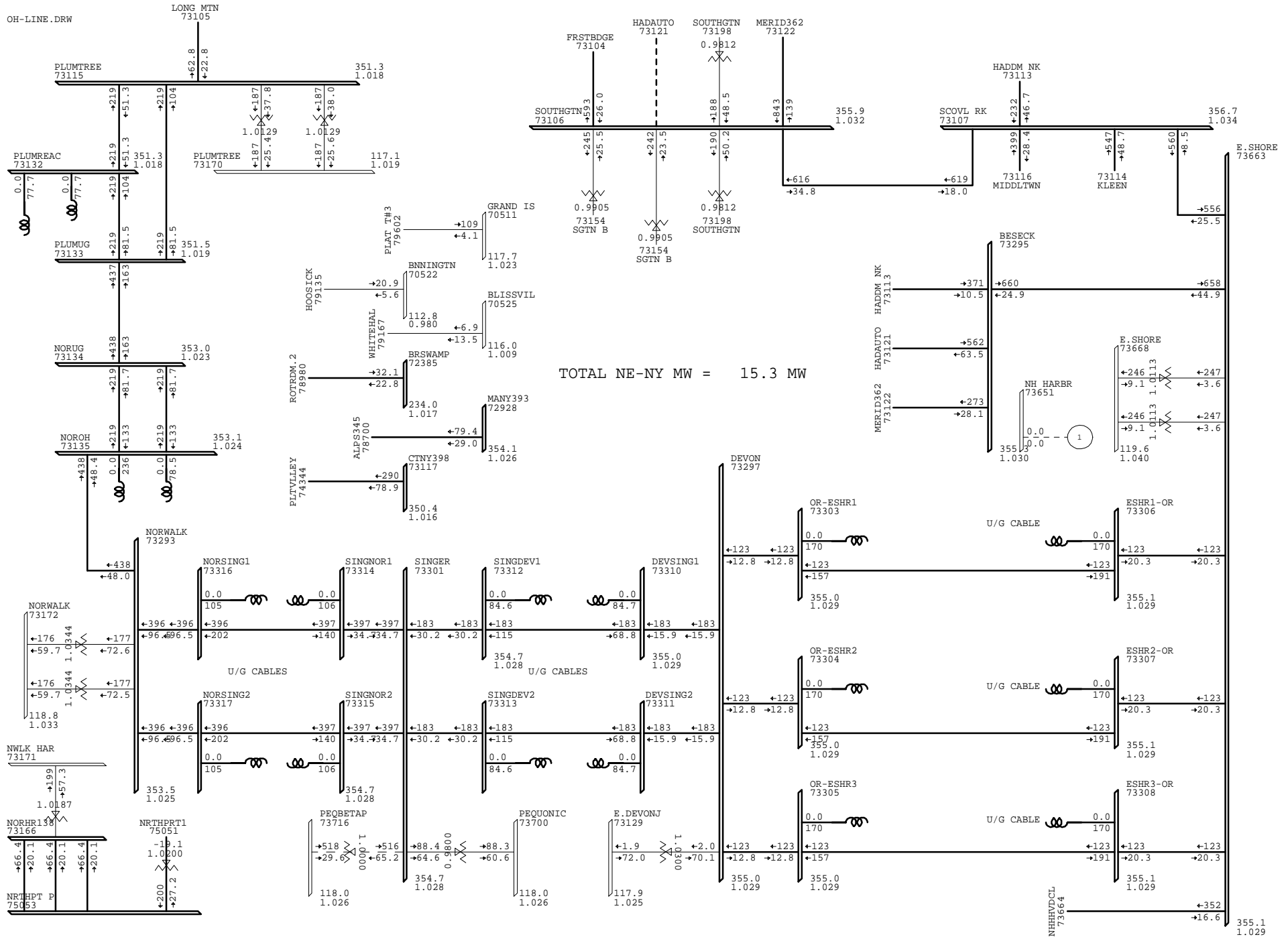
ESA277-7C, ESA-2L-27.7GW-7D, 27.7 GW, DISP 7, NHHS OFF
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:55

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

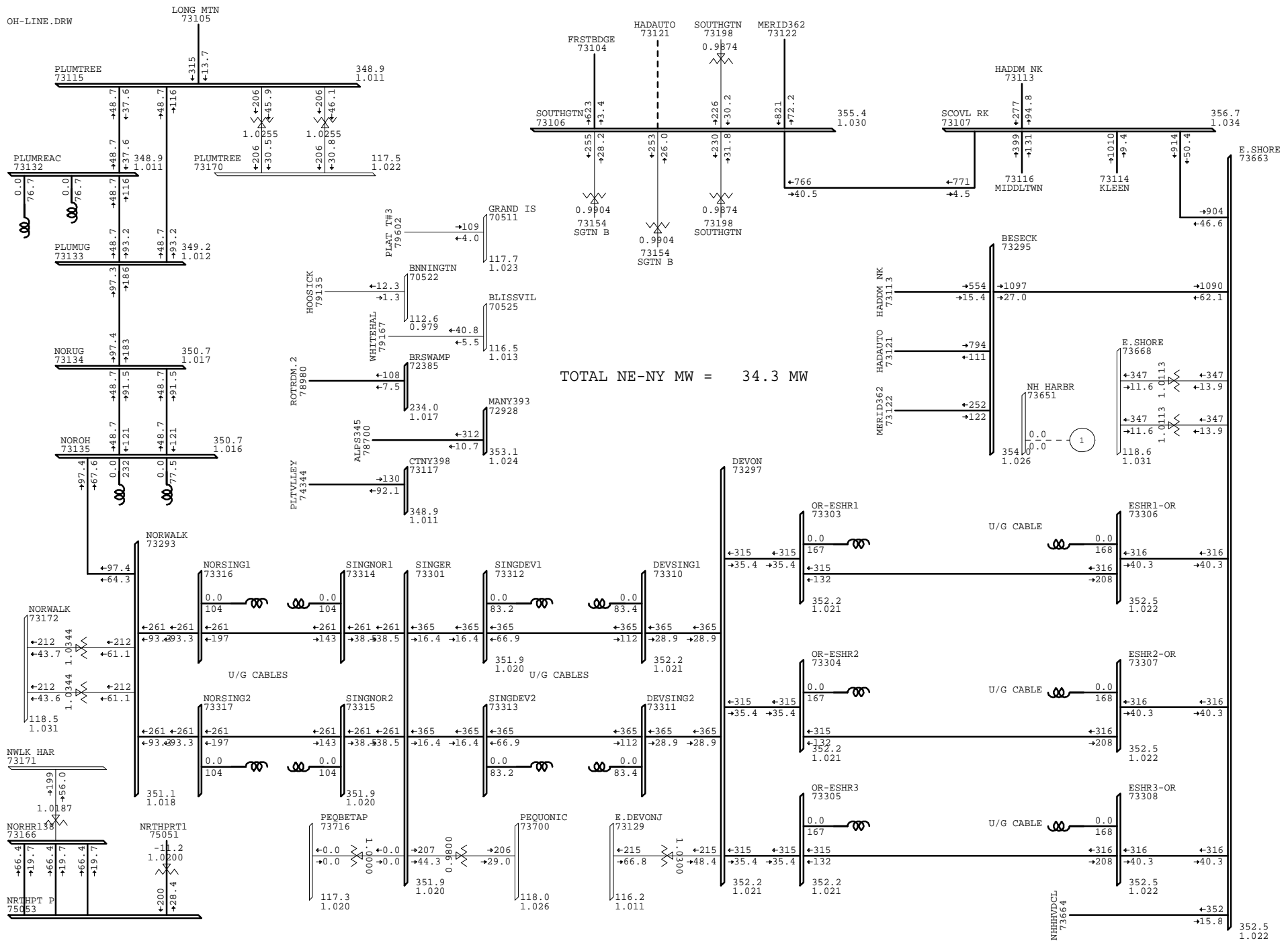
BUS - VOLTAGE (KV/PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR



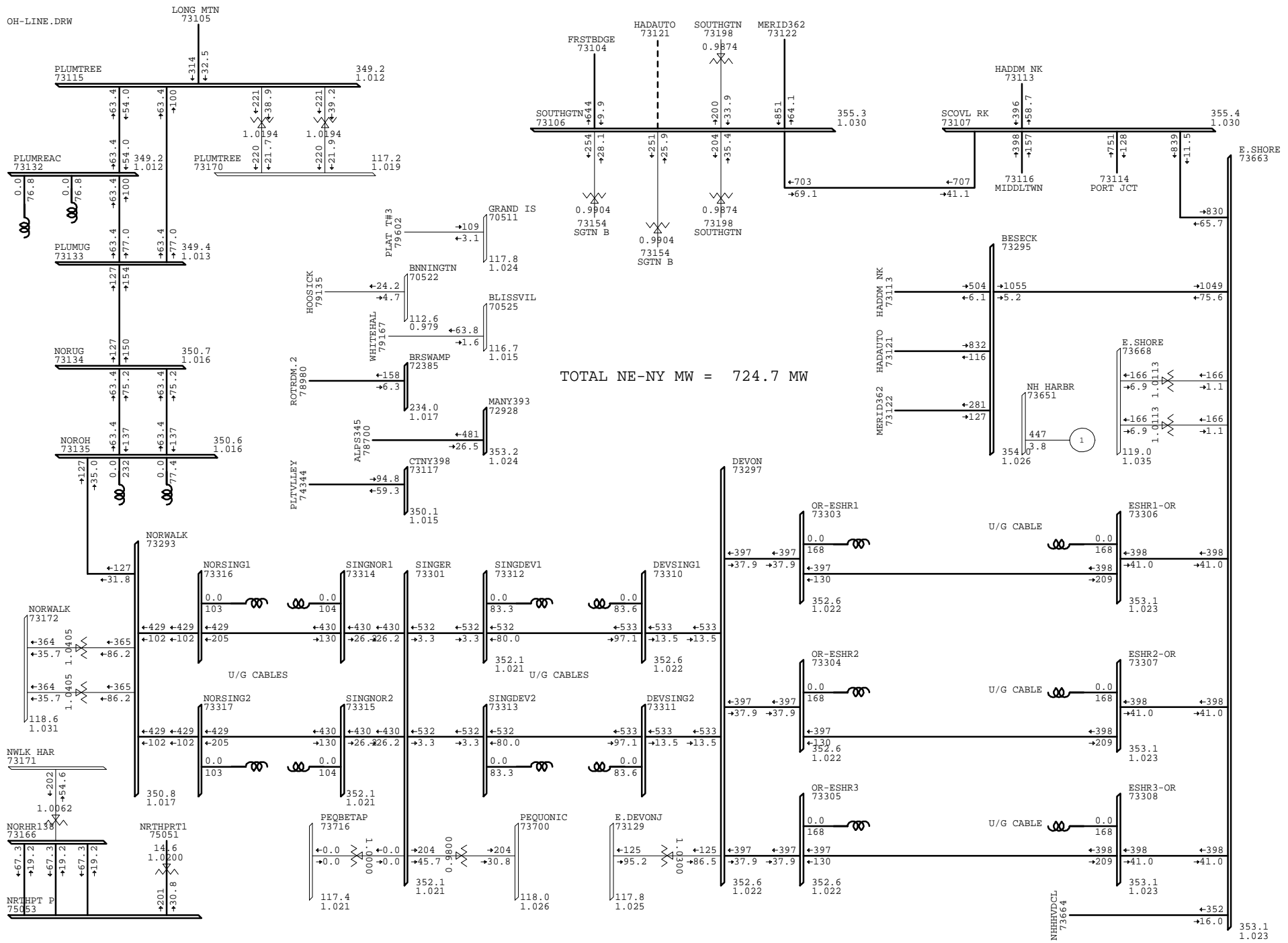
354.1
1.026



TOTAL NE-NY MW = 15.3 MW



TOTAL NE-NY MW = 34.3 MW



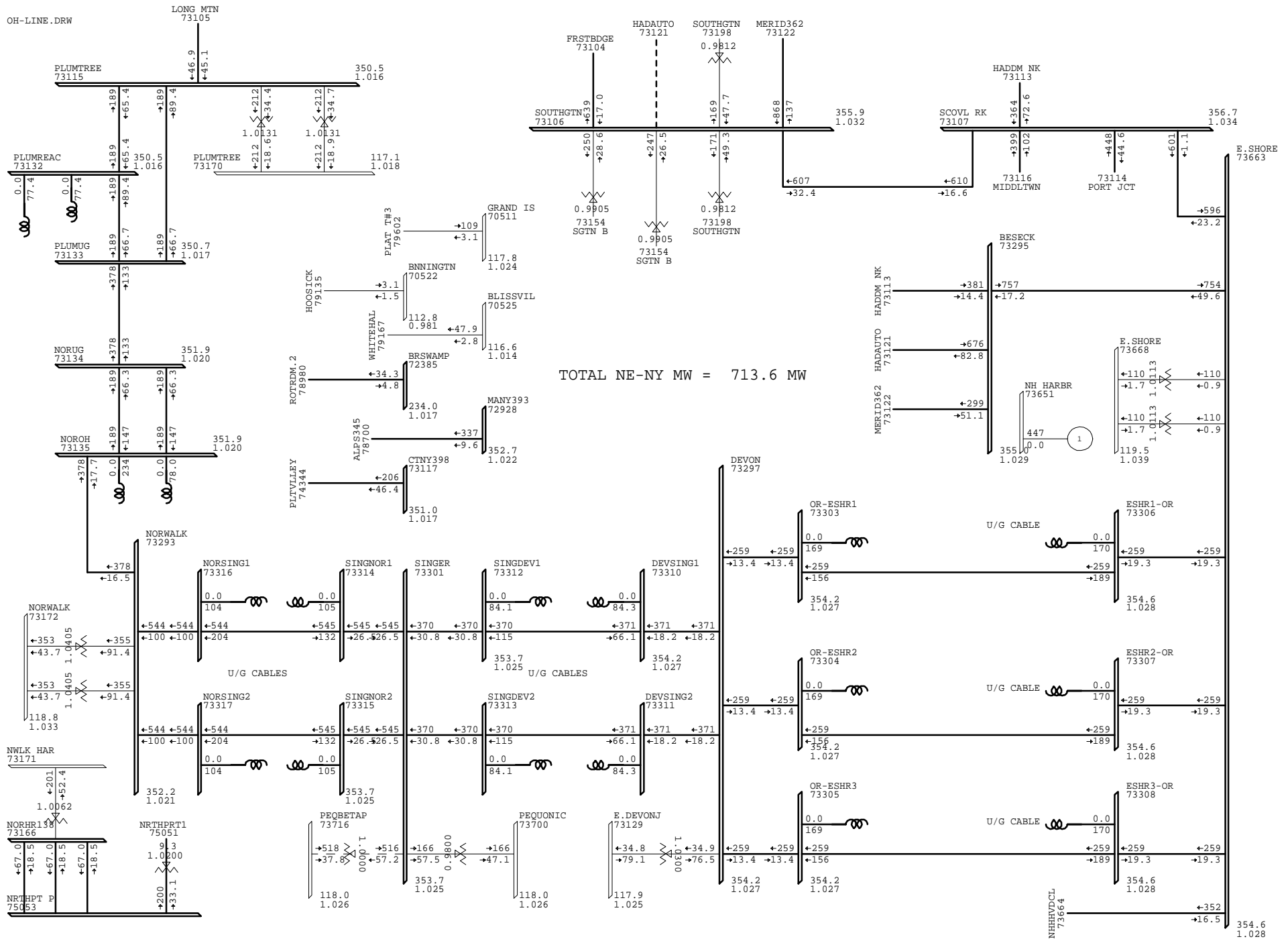
TOTAL NE-NY MW = 724.7 MW

ESA277-10C, ESA-2L-27.7GW-10D, 27.7 GW, DISP 10, NE-NY 700
 PH1-XP,PH2 HPFF NOR-DEV-ESH U/G,ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:55

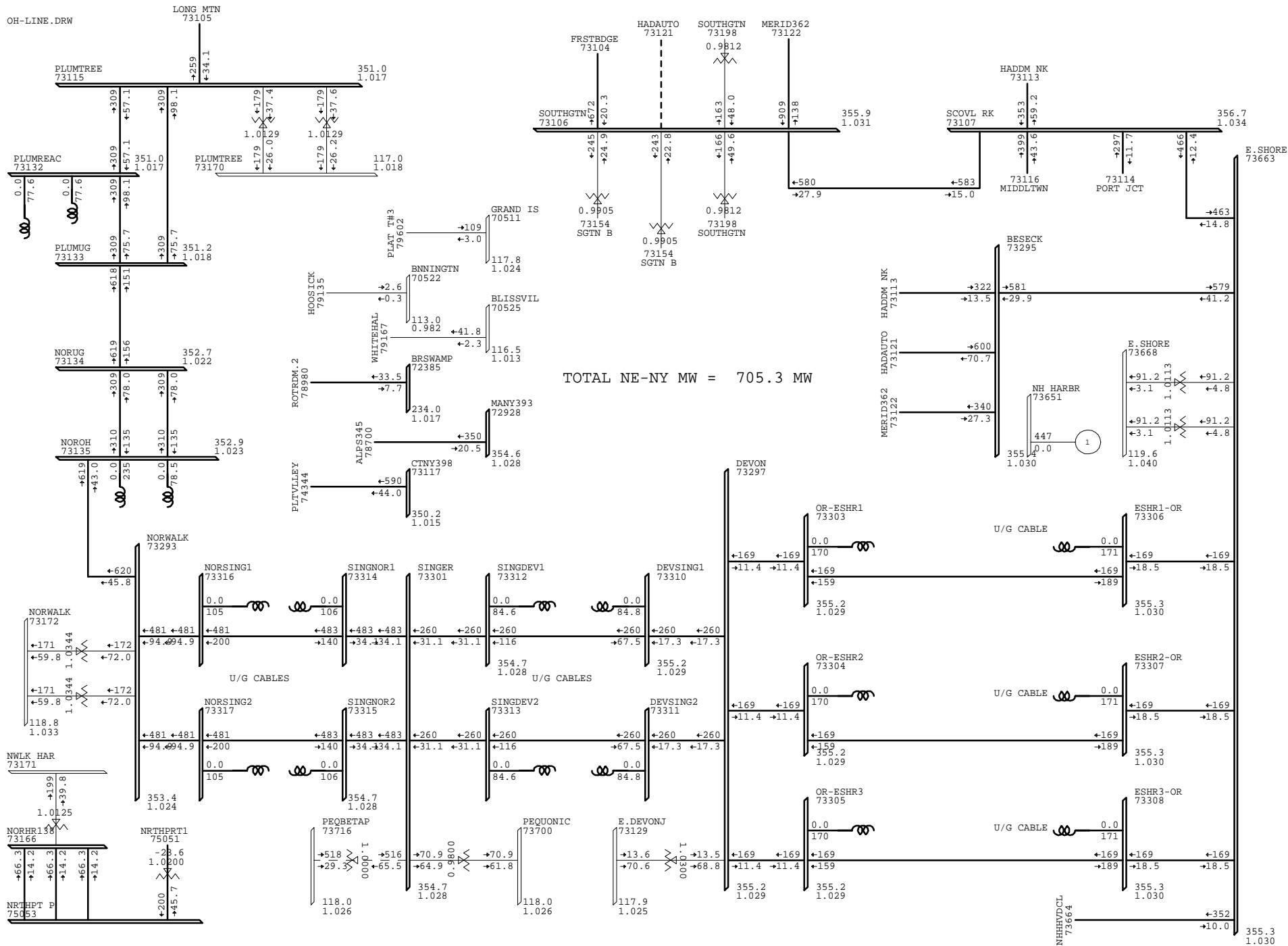
100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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



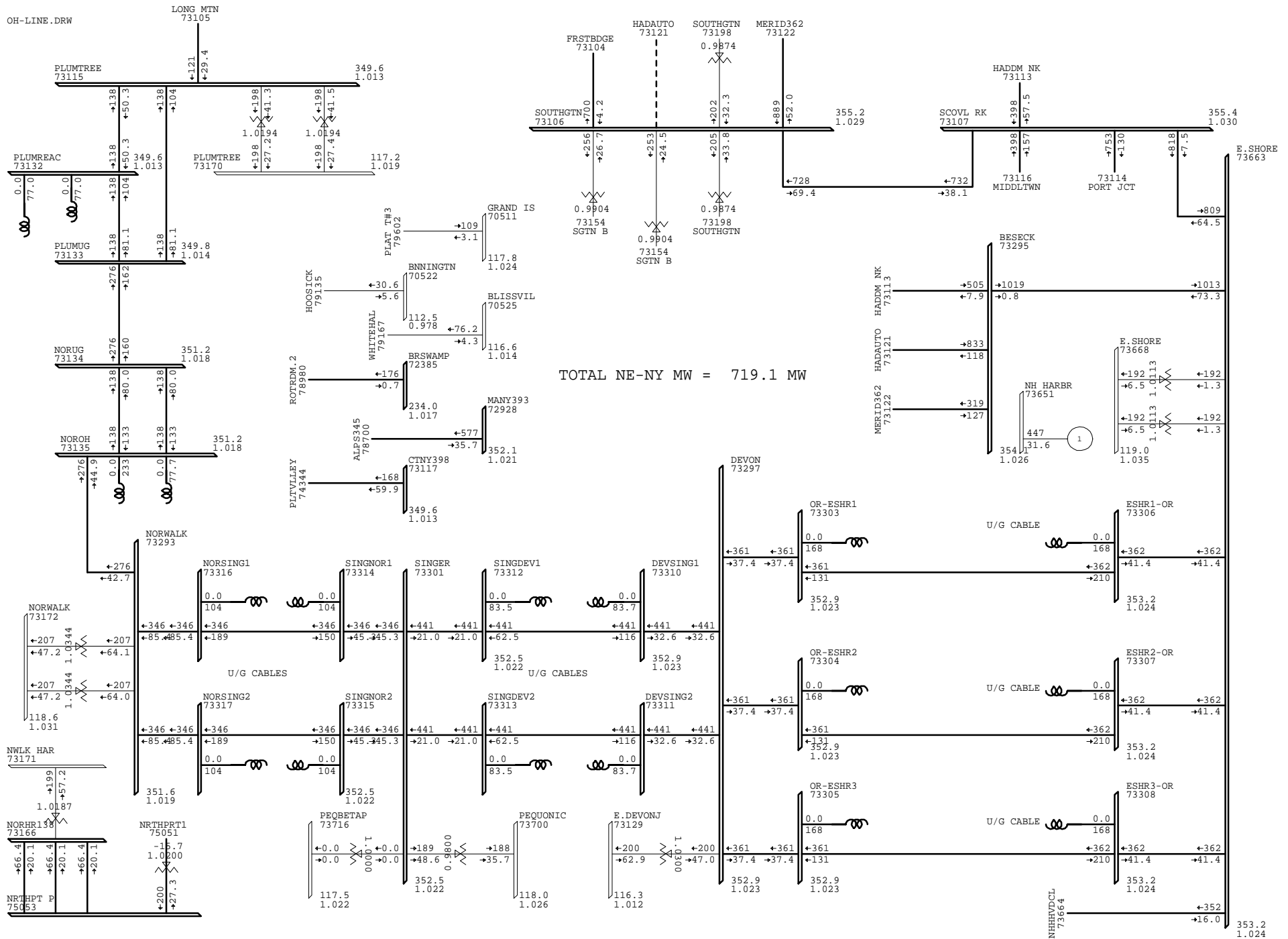


TOTAL NE-NY MW = 713.6 MW



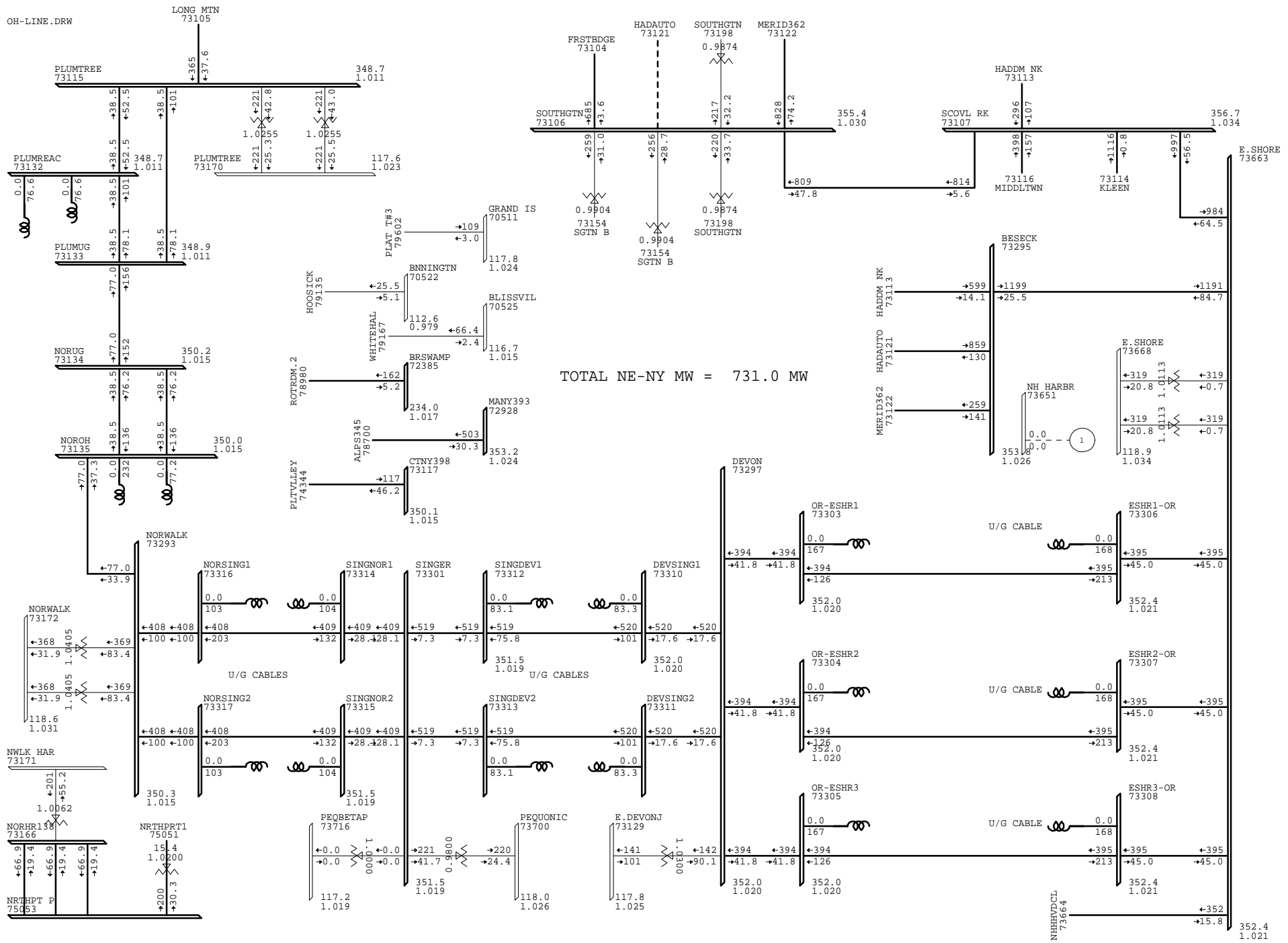
TOTAL NE-NY MW = 705.3 MW



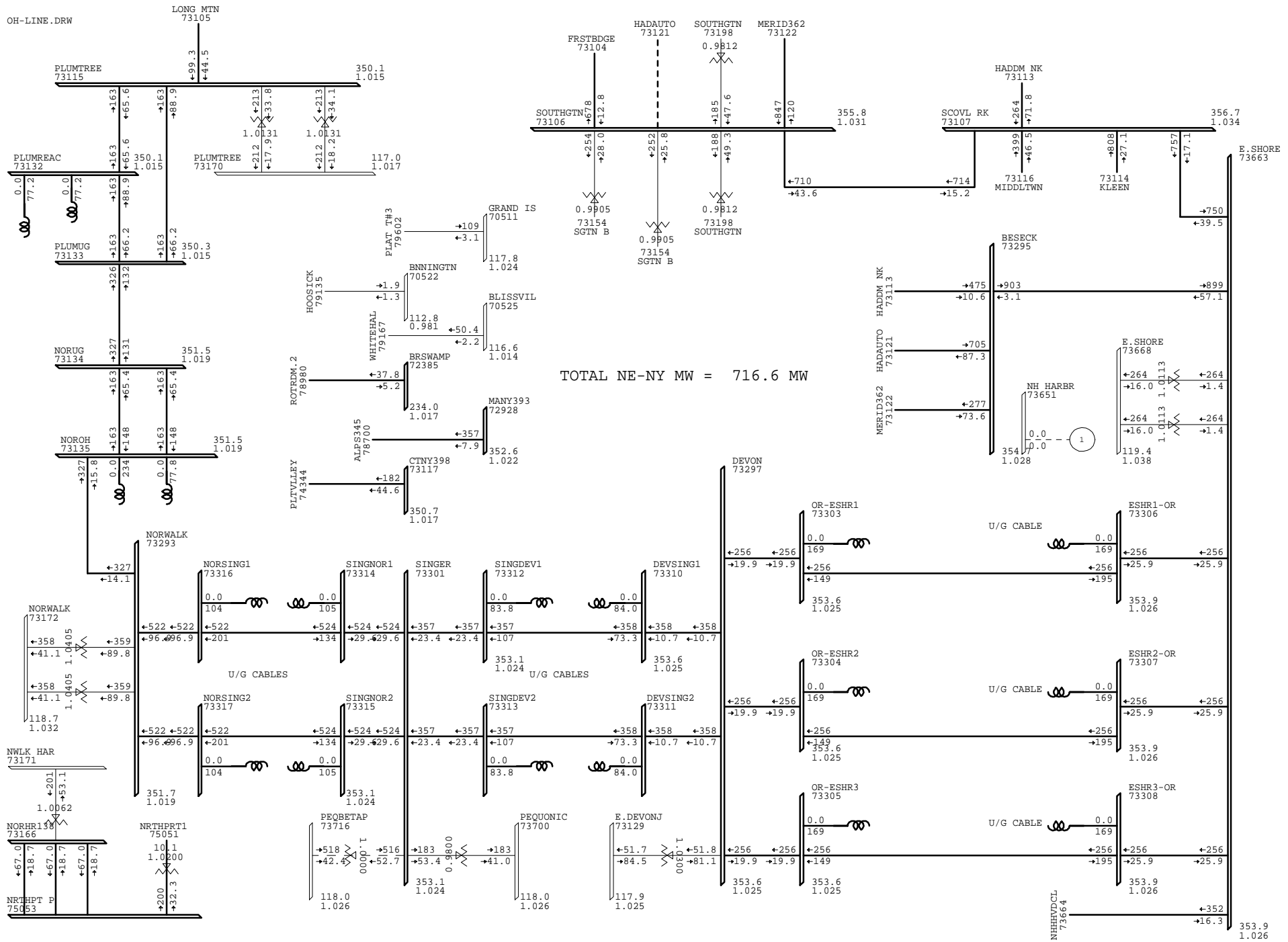


TOTAL NE-NY MW = 719.1 MW



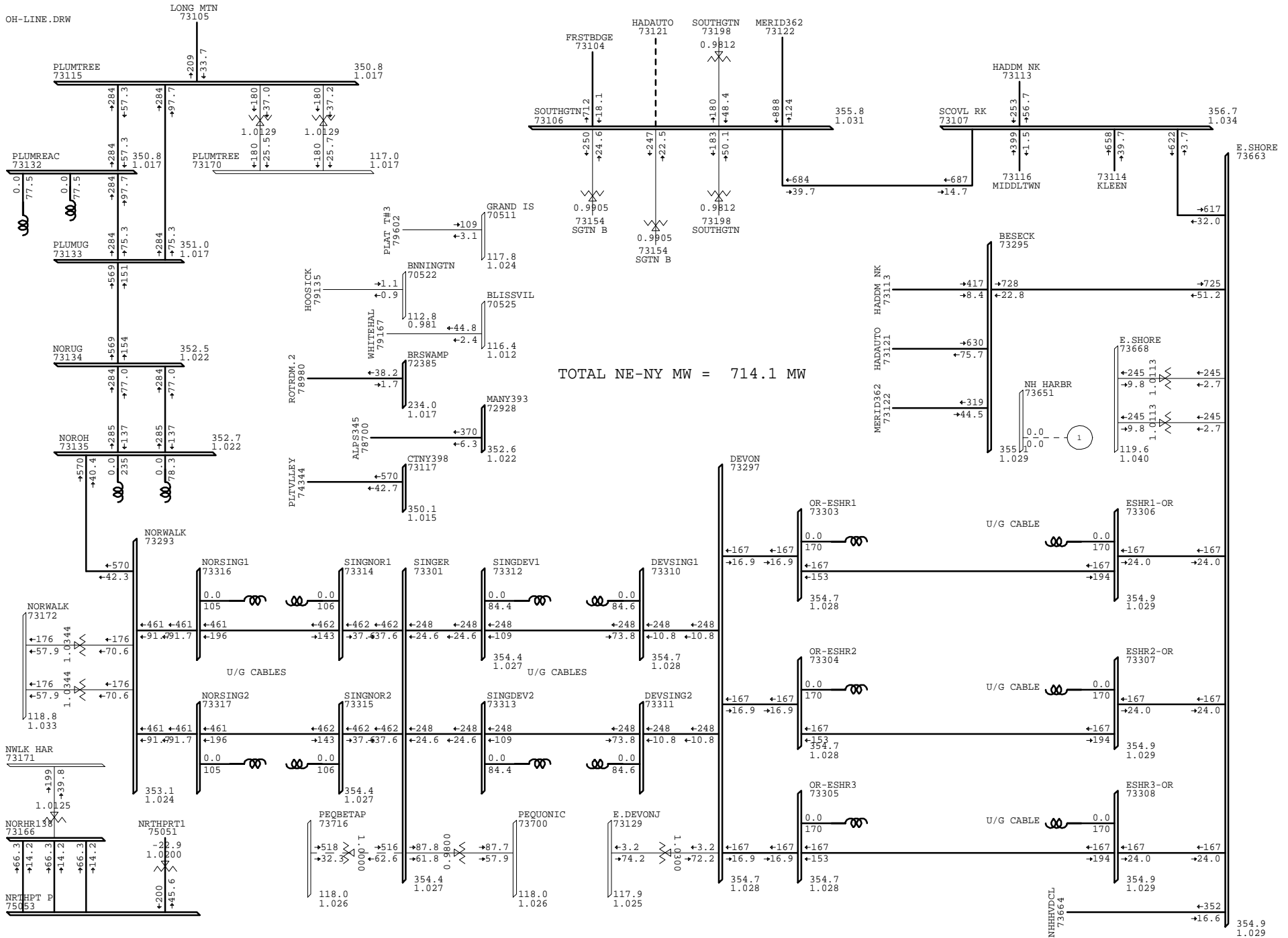


TOTAL NE-NY MW = 731.0 MW



TOTAL NE-NY MW = 716.6 MW

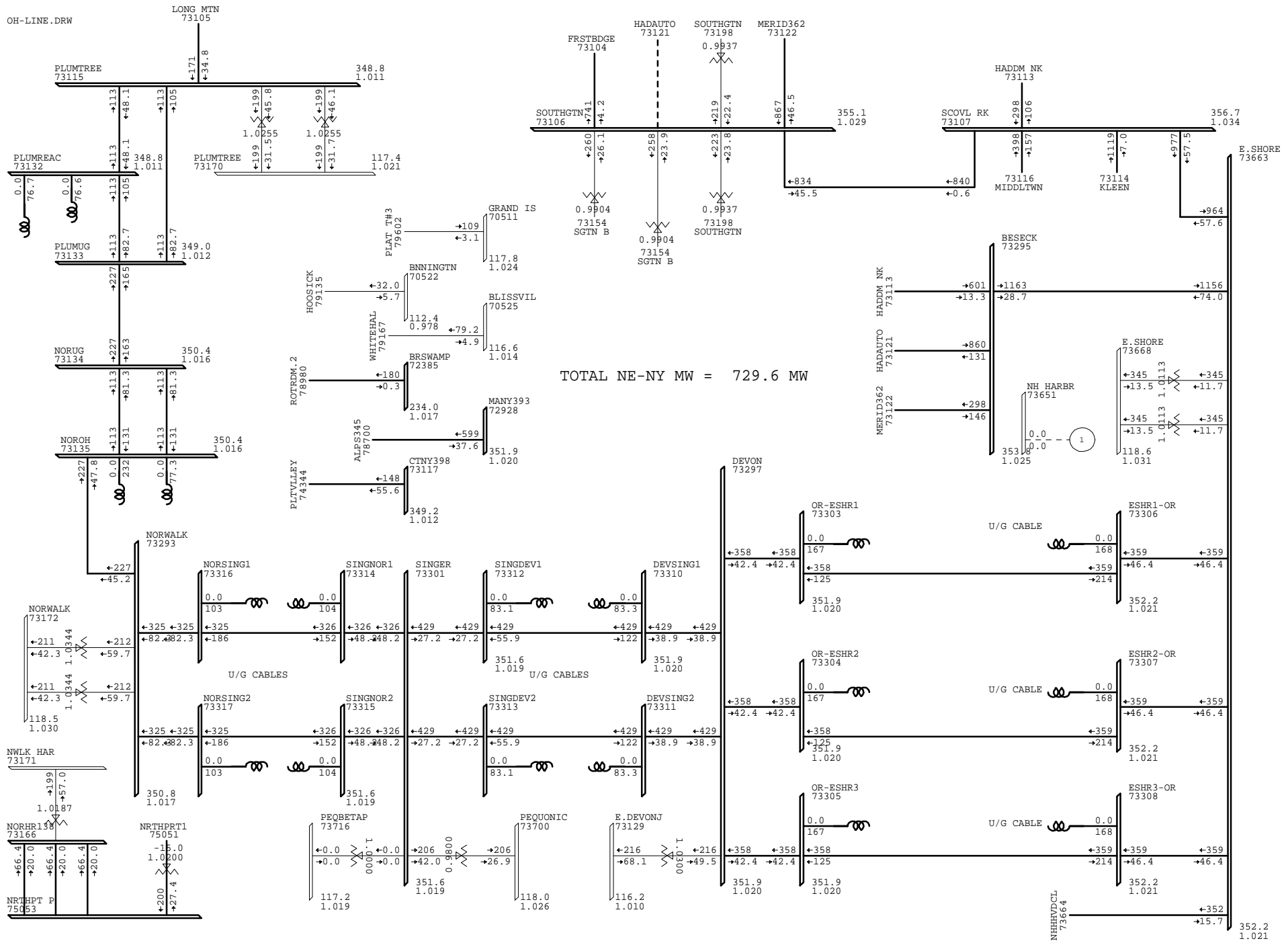
<p>POWER TECHNOLOGIES INC.</p>	<p>ESA277-15C, ESA-2L-27.7GW-15D, 27.7 GW, DISP 15, NE-NY 700 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387 SAT, MAY 01 2004 15:55</p>	<p>100% RATEA 0.950 UV 1.050 OV KV: ≤115, ≤0</p>	<p>BUS - VOLTAGE (KV/PU) BRANCH - MW/MVAR EQUIPMENT - MW/MVAR</p>
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ESA277-16C, ESA-2L-27.7GW-16D, 27.7 GW, DISP 16, NE-NY 700
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

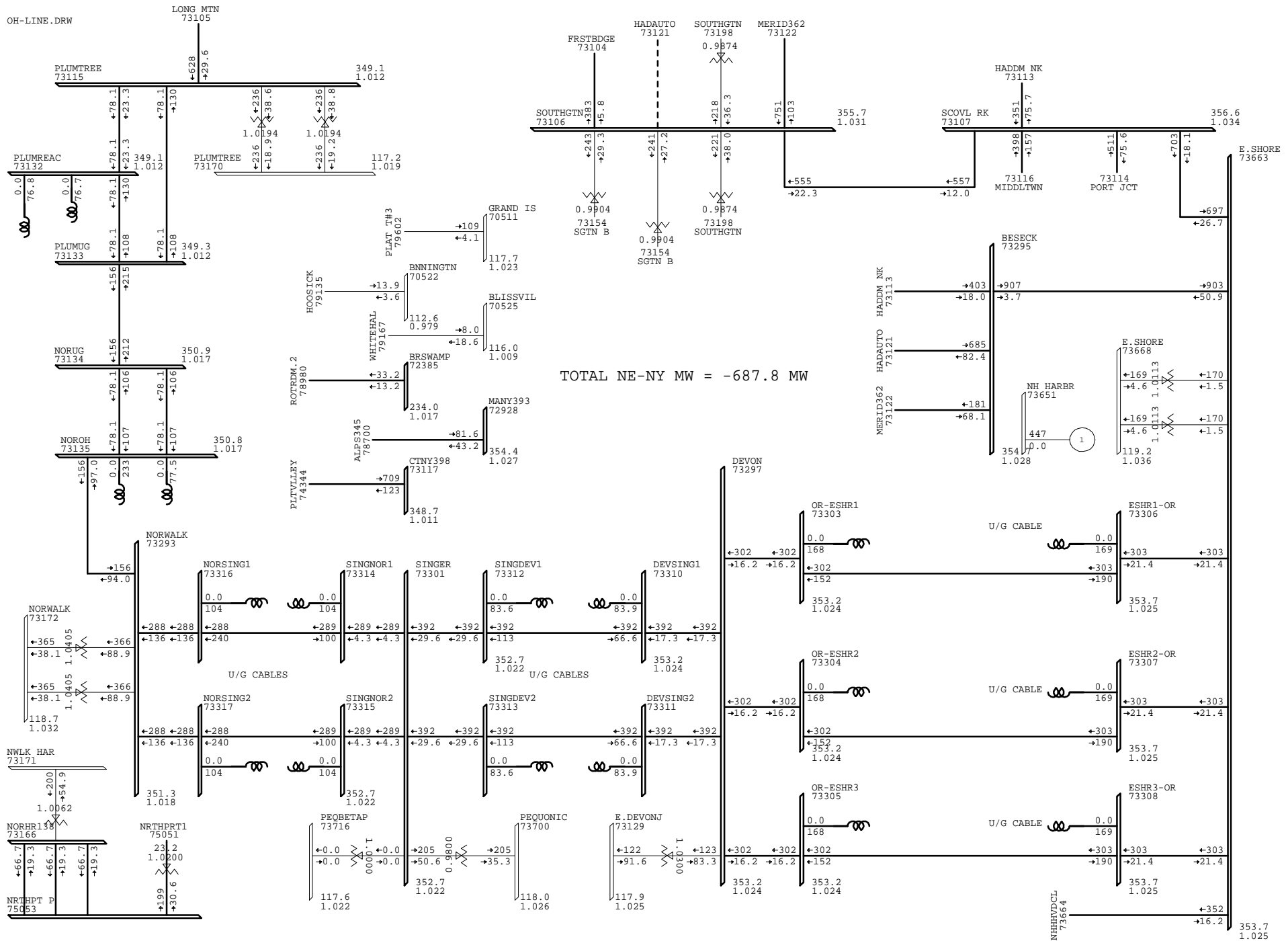
BUS - VOLTAGE (KV/PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR



ESA277-17C, ESA-2L-27.7GW-17D, 27.7 GW, DISP 17, NE-NY 700
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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



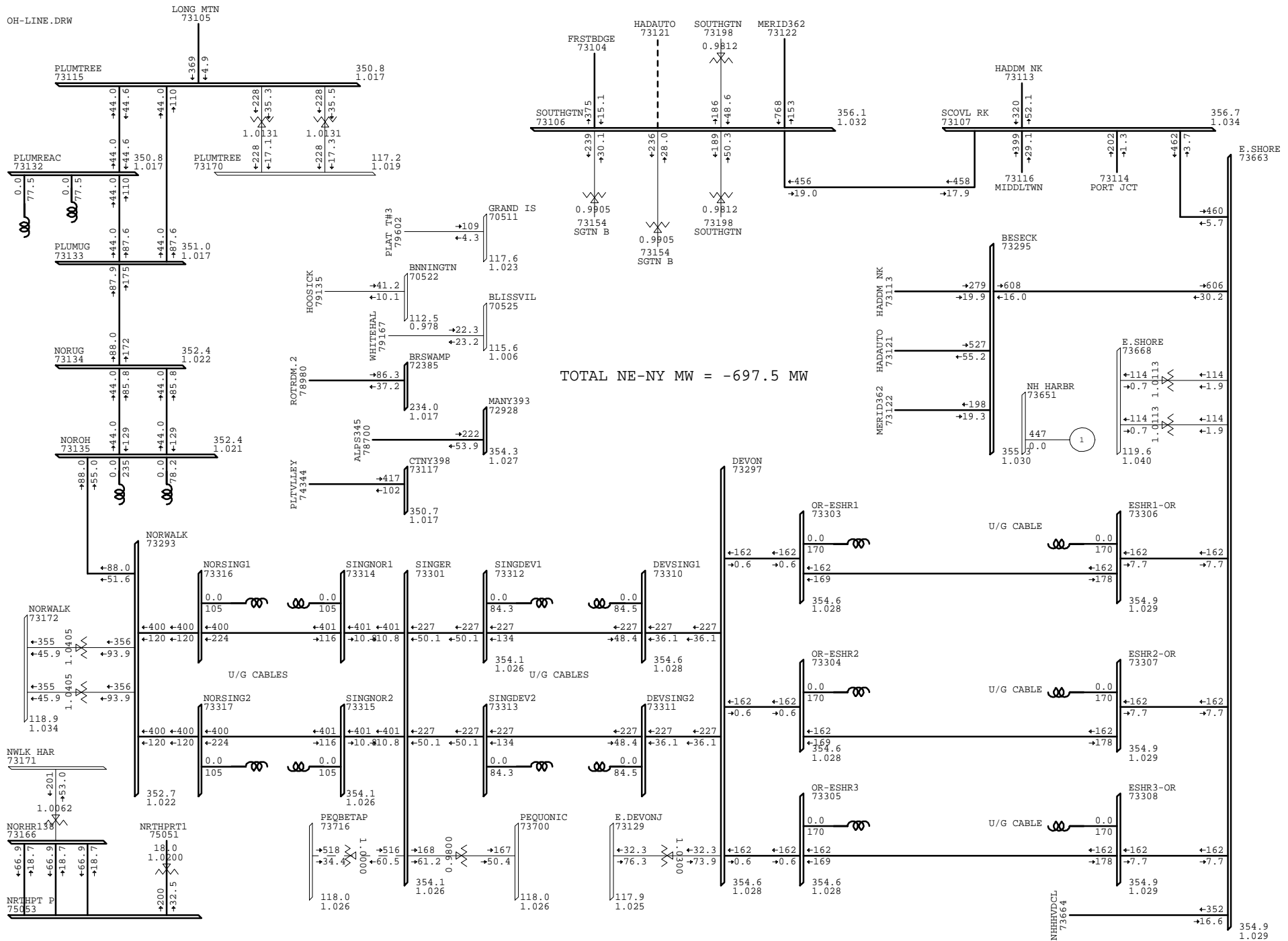
TOTAL NE-NY MW = -687.8 MW

ESA277-18C, ESA-2L-27.7GW-18D, 27.7 GW, DISP 18, NY-NE 700
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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





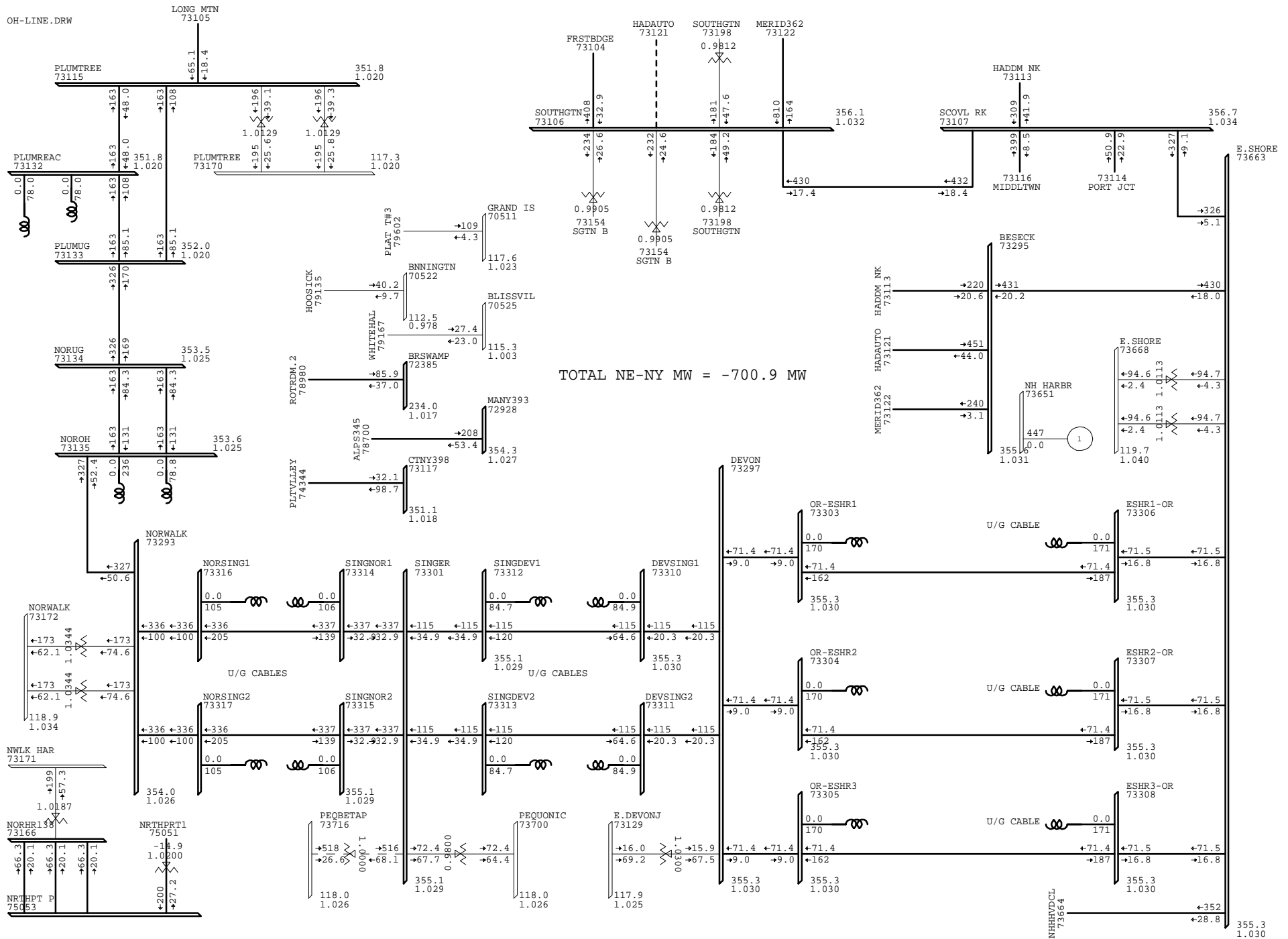
TOTAL NE-NY MW = -697.5 MW

ESA277-19C, ESA-2L-27.7GW-19D, 27.7 GW, DISP 19, NY-NE 700
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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



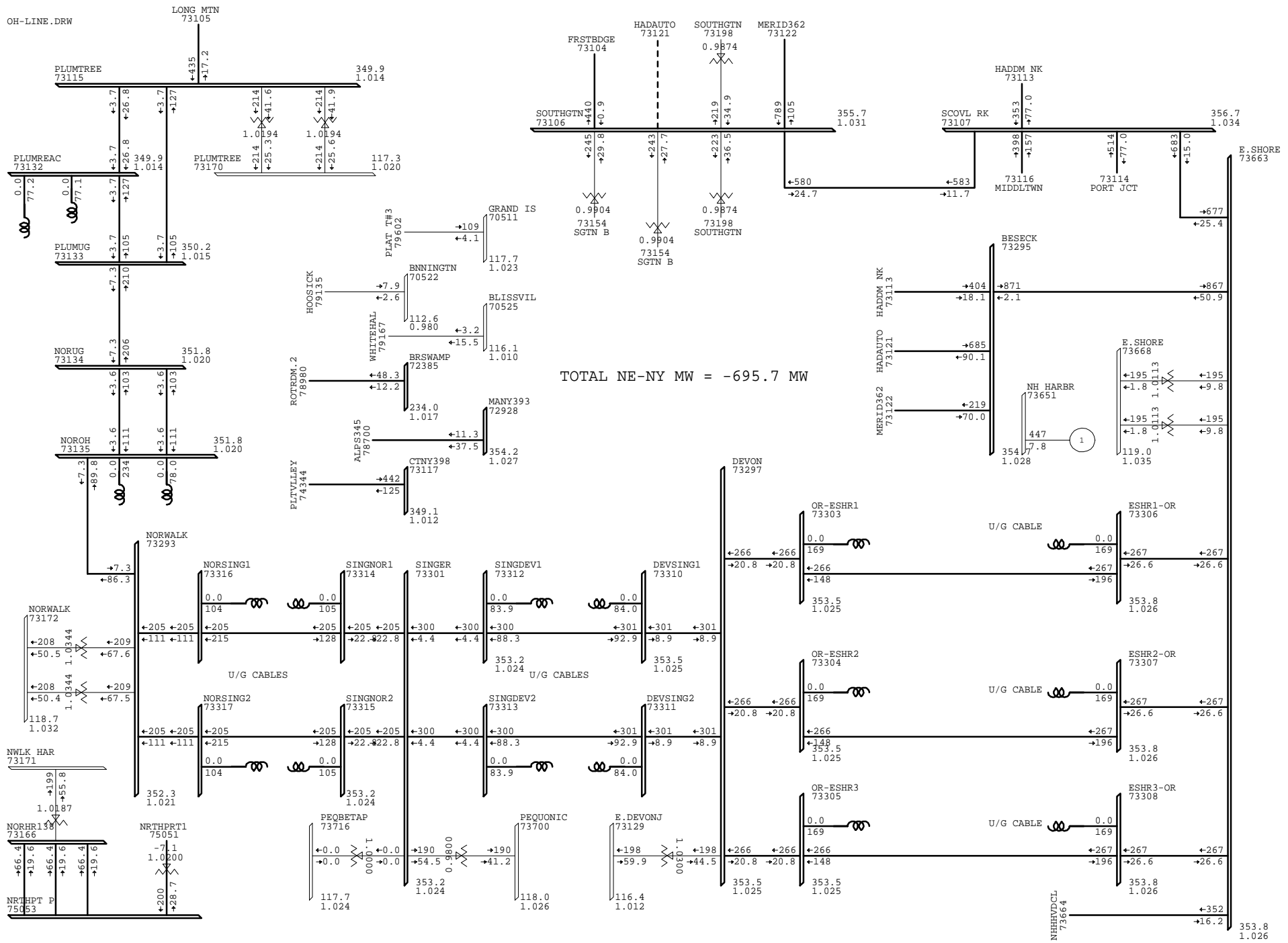


TOTAL NE-NY MW = -700.9 MW

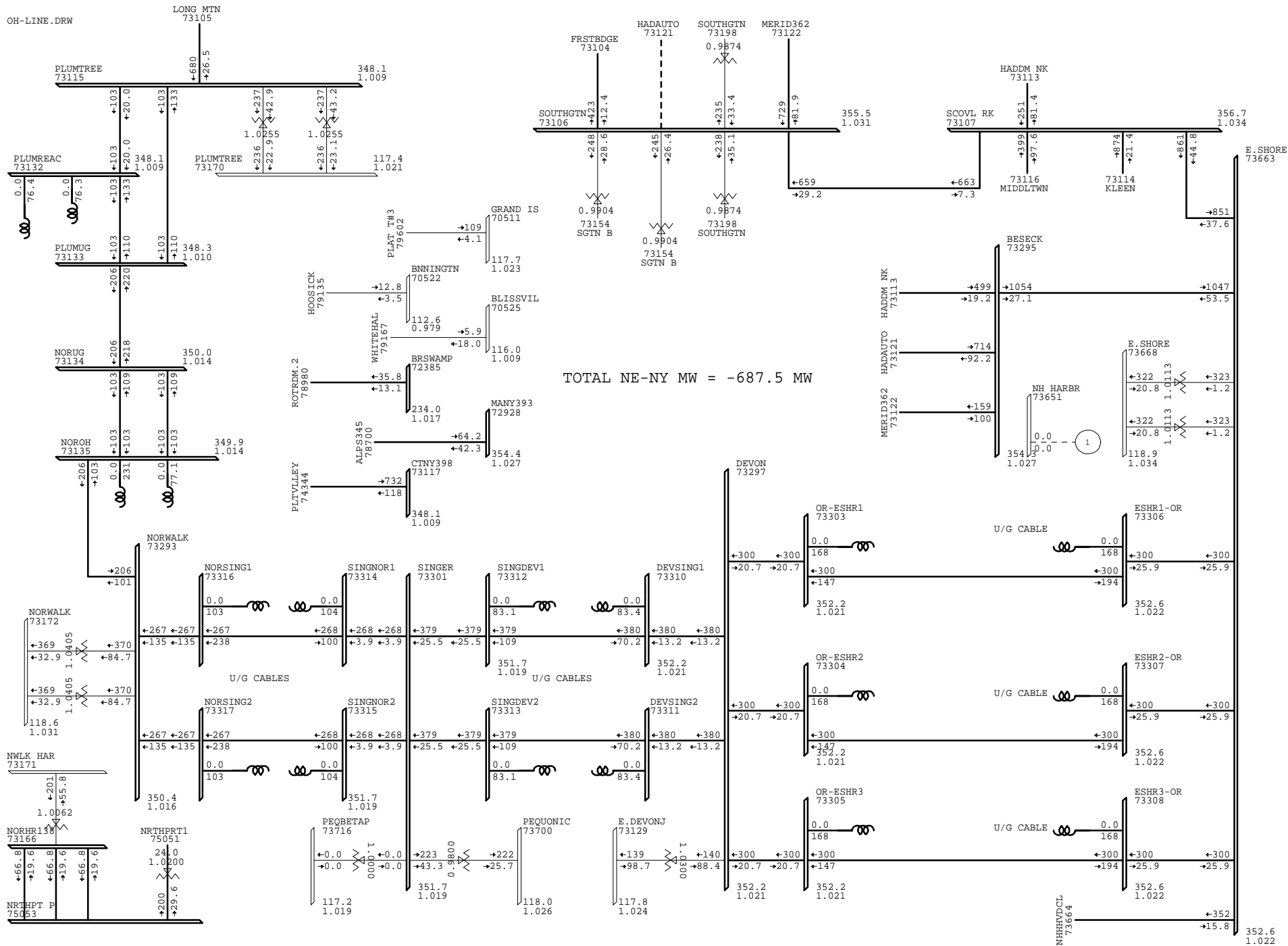
ESA277-20C, ESA-2L-27.7GW-20D, 27.7 GW, DISP 20, NY-NE 700
 PH1-XP,PH2 HPFF NOR-DEV-ESH U/G,ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115 , ≤0

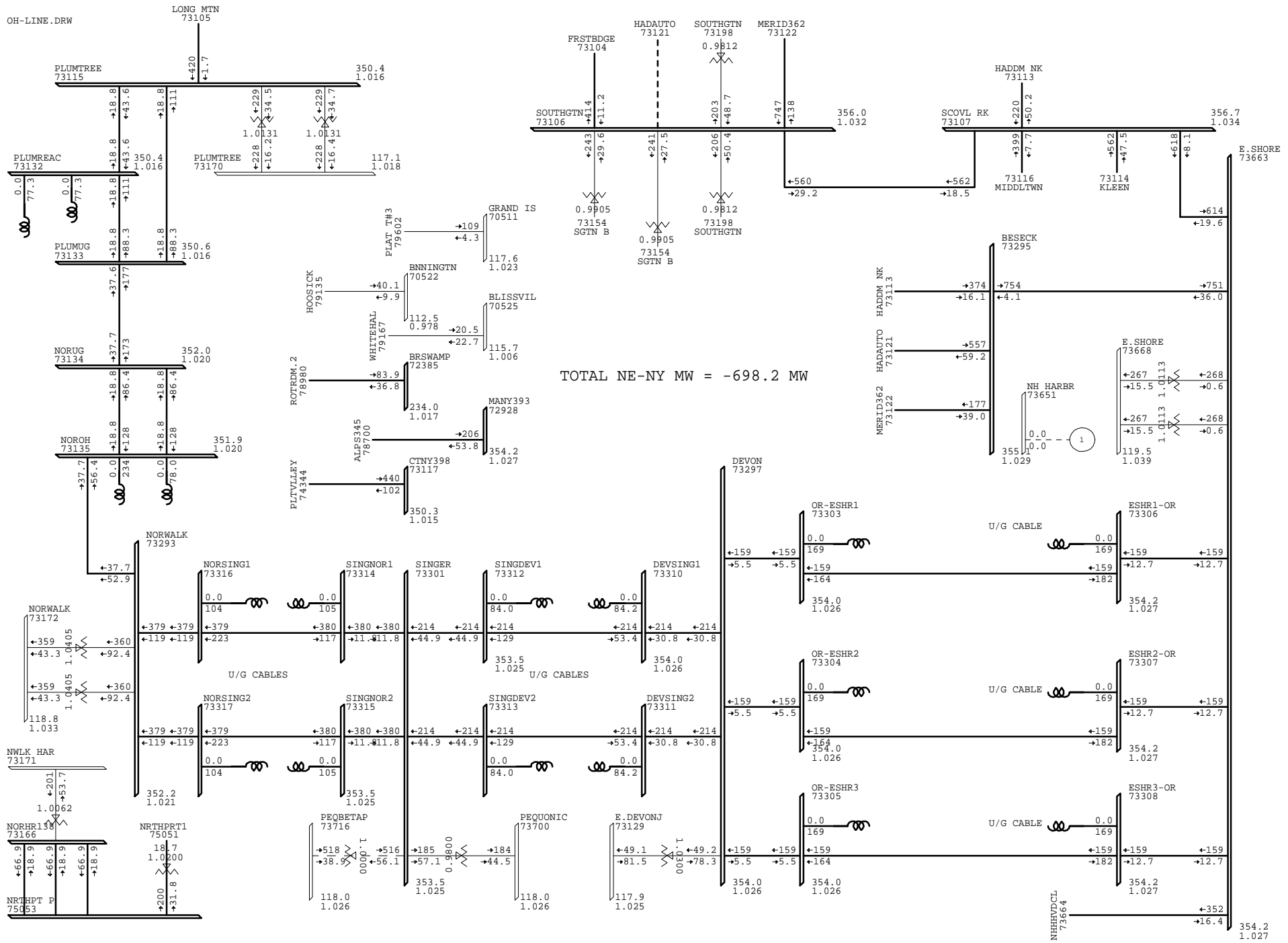
BUS - VOLTAGE (KV/PU)
 BRANCH - MW/MVAR
 EQUIPMENT - MW/MVAR



TOTAL NE-NY MW = -695.7 MW



TOTAL NE-NY MW = -687.5 MW

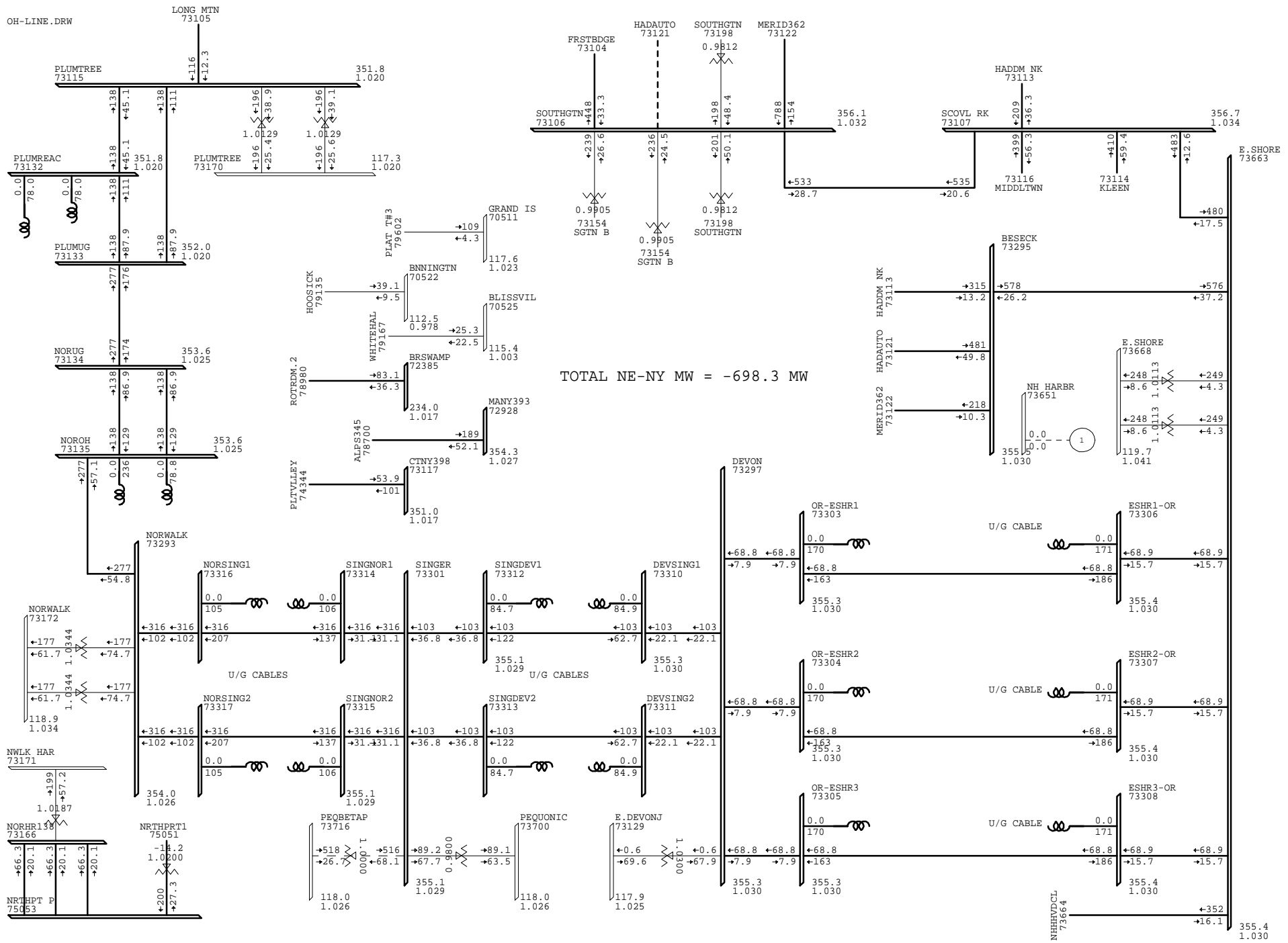


ESA277-23C, ESA-2L-27.7GW-23D, 27.7 GW, DISP 23, NY-NE 700
 PH1-XP, PH2 HPFF NOR-DEV-ESH U/G, ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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





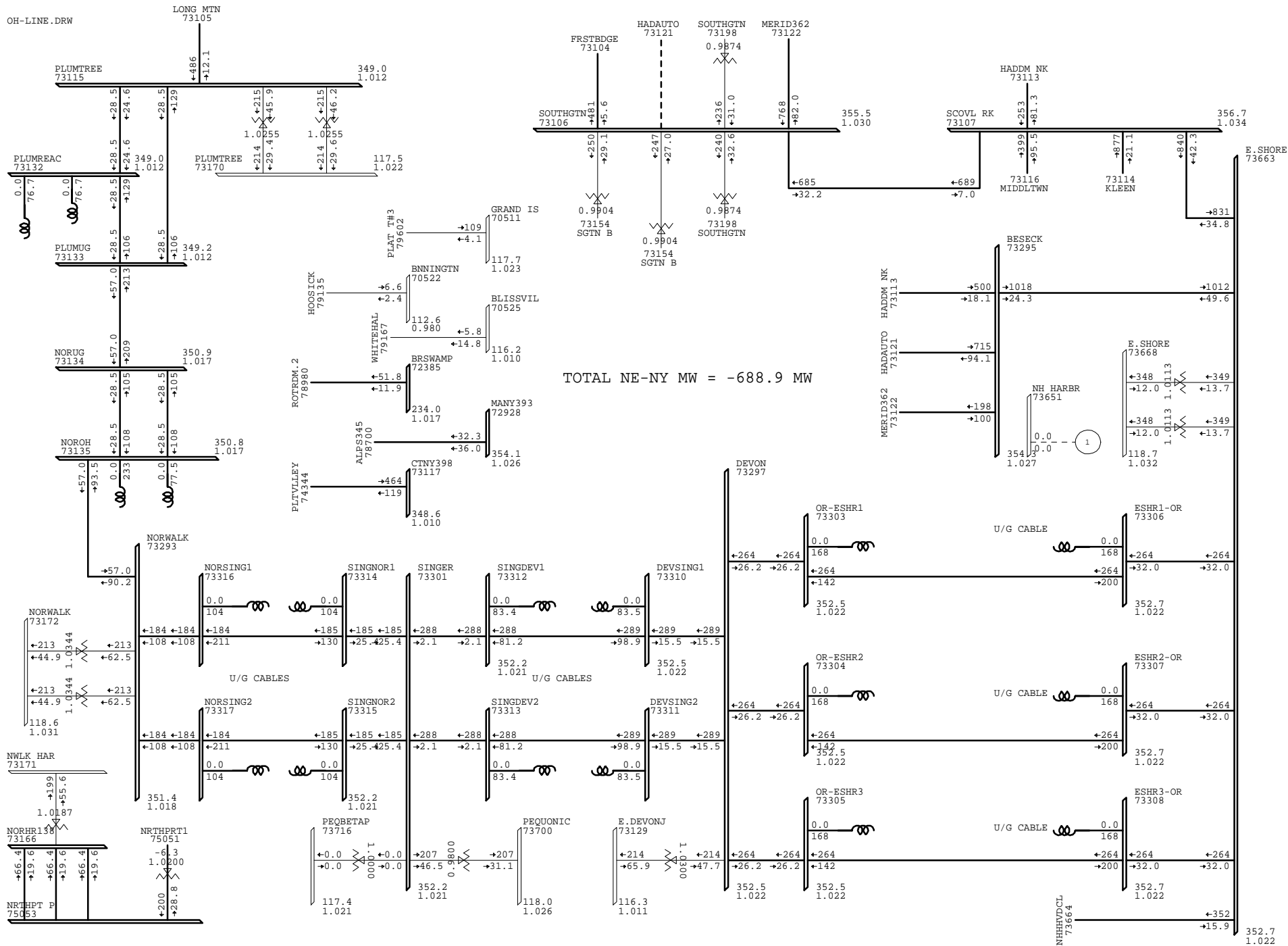
TOTAL NE-NY MW = -698.3 MW

ESA277-24C, ESA-2L-27.7GW-24D, 27.7 GW, DISP 24, NY-NE 700
 PH1-XP,PH2 HPFF NOR-DEV-ESH U/G,ESH-BES O/H, RECONDUCT 387
 SAT, MAY 01 2004 15:56

100% RATEA
0.950 UV 1.050 OV
 KV: ≤115, ≤0

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





TOTAL NE-NY MW = -688.9 MW

Appendix C

Contingency Files

- with NHHS On-Line
- with NHHS Off-Line

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY \pm 700 MW and 0 MW

With NHHS On-Line

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

OPEN LINE FROM BUS 73214 TO BUS 73210 CKT 1
OPEN LINE FROM BUS 73214 TO BUS 73276 CKT 1
OPEN LINE FROM BUS 73276 TO BUS 73213 CKT 1
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY 1238LINE

OPEN LINE FROM BUS 73202 TO BUS 73180 CKT 1
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

OPEN LINE FROM BUS 73166 TO BUS 73171 CKT 1
END

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

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

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

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

CONTINGENCY 1430LINE
DISCONNECT BUS 73714
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY 1575LINE
DISCONNECT BUS 73228
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

OPEN LINE FROM BUS 73263 TO BUS 73203 CKT 1
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY 1810LINE

OPEN LINE FROM BUS 73234 TO BUS 73233 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73235 CKT 1
OPEN LINE FROM BUS 73234 TO BUS 73154 CKT 1
END

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

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

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

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

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

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

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

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

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

CONTINGENCY 1876LINE /Stevenson-SandyHook-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 348NLINE /added for ESA configuration by Manos
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
END

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

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

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

END

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY 384LINE
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

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

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

```
CONTINGENCY 1779-395DCT
OPEN LINE FROM BUS 73103 TO BUS 73112 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 72925 CKT 1
OPEN LINE FROM BUS 73103 TO BUS 73111 CKT 1
OPEN LINE FROM BUS 73111 TO BUS 73244 CKT 1
OPEN LINE FROM BUS 73258 TO BUS 73246 CKT 1
END
```

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

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

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

/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY ASHCREEKBKR
DISCONNECT BUS 73703
DISCONNECT BUS 73714
END

CONTINGENCY BAIRDASTK
OPEN LINE FROM BUS 73700 TO BUS 73696 CKT 1
OPEN LINE FROM BUS 73696 TO BUS 73712 CKT 1
OPEN LINE FROM BUS 73712 TO BUS 73694 CKT 1
OPEN LINE FROM BUS 73690 TO BUS 73692 CKT 1
OPEN LINE FROM BUS 73692 TO BUS 73694 CKT 1
OPEN LINE FROM BUS 73712 TO BUS 73755 CKT 1
END

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

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

END

CONTINGENCY BECONFLSTK
DISCONNECT BUS 73188
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY DEVON22TSTK

OPEN LINE FROM BUS 73195 TO BUS 73553 CKT 1
END

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY FLAXHILL2T

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

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

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

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

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

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

CONTINGENCY GRNDV1TSTK
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 GRNDV2TSTK
OPEN LINE FROM BUS 73680 TO BUS 73669 CKT 1
OPEN LINE FROM BUS 73669 TO BUS 73676 CKT 1
END

CONTINGENCY GRNDV3TSTK
OPEN LINE FROM BUS 73669 TO BUS 73676 CKT 1
OPEN LINE FROM BUS 73668 TO BUS 73669 CKT 2
END

CONTINGENCY GRNDV4TSTK
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 GRNDV5TSTK
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 GRNDV6TSTK

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 GRNDV7TSTK

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 SASOCR1T
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 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 SCOVKR8TSTK
/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 SCOVKR8TSTK /* revised for Phase 2      /removed by Manos for ESA
configuration
/OPEN LINE FROM BUS 73107 TO BUS 73113 CKT 1
/OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073
/END
```

```
CONTINGENCY SCOVKR8TSTK          /added by Manos for ESA configuration
OPEN LINE FROM BUS 73107 TO BUS 73113 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
END
```

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

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

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

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

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

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

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

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

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

/OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
/END

CONTINGENCY SGTN7TSTK
OPEN LINE FROM BUS 73106 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 1
OPEN LINE FROM BUS 73106 TO BUS 73198 CKT 4
END

/added by Manos

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

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

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

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

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

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

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

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

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

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

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

CONTINGENCY NEWDEV1

OPEN LINE FROM BUS 73126 TO BUS 73129 CKT 1
END

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

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

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

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

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

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

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

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

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

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

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

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

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

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

/ set of contingencies to trip 387 without tripping the CSC --- added by Manos

CONTINGENCY 387LINE_ESA_config /* revised for Phase 2/further revised by Manos
OPEN LINE FROM BUS 73107 TO BUS 73663 CKT 1
/DISCONNECT BUS 73664
/DISCONNECT BUS 73665
/DISCONNECT BUS 75073

END

CONTINGENCY 1460-387DCT_ESA_config /* revised for Phase 2/further revised by Manos
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 SCOVrk5TSTK_ESA_config /* revised for Phase 2/further revised by Manos
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 SCOVrk8TSTK_ESA_config /* revised for Phase 2/further revised and deleted by
Manos
/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

END

**** see next sheets for include file ****

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

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

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

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

CONTINGENCY SCOVrk4TSTK /* modified for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1 /these two lines is equivalent to
disconnecting
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1 /bus 73114 as in the very original
configuration
DISCONNECT BUS 73116
DISCONNECT BUS 73557
END

CONTINGENCY SCOVrk7TSTK /* removed for Kleen Energy
OPEN LINE FROM BUS 73112 TO BUS 73114 CKT 1
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

END

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ± 700 MW and 0 MW

With NHHS Off-Line

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

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

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

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

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

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

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

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

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

CONTINGENCY SCOVK7TSTK / * modified for Kleen Energy
OPEN LINE FROM BUS 73114 TO BUS 73107 CKT 1
OPEN LINE FROM BUS 73113 TO BUS 73107 CKT 1
END

end

Appendix D

Generation Dispatches

- Reconductored 387 Line
- Second Line into East Shore from Beseck
 - NE-NY ± 700 MW and 0 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 (4)			
	2	3	4	5	2	3	4	5
NE-NY 0	2C	3C (1)	4C (1)	5C (1)	6C	7C	8C	9C
NE-NY 700 (5)	10C	11C (2)	12C (2)	13C (2)	14C	15C	16C	17C
NY-NE 700 (5)	18C	19C (3)	20C (3)	21C (3)	22C	23C	23C	24C

Notes:

1. For these dispatches only New England generation differences with dispatch 2C are shown.
2. For these dispatches only New England generation differences with dispatch 10C are shown.
3. For these dispatches only New England generation differences with dispatch 18C are shown.
4. For the 447 MW New Haven Harbor Station (NHHS) off-line dispatches, the NHHS generation is replaced by the proposed Kleen Energy generation. Other generation remains unchanged, so refer to the corresponding NHHS on-line cases for generation dispatch.
5. Generation changes from a NE-NY 0 MW to achieve \pm 700 MW NE-NY are shown on the following pages.
6. The "C" suffix in the dispatch IDs indicates that the 387 line (East Shore to Scovill Road 345) is reconductored and modeled 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 with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY \pm 700 MW and 0 MW

Dispatches 2C – 5C

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0115	
70377	AEC G1	13.8	1	0	2	52.5	8	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	8	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.9	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0243	
73538	AESTH PF	20	1	0	2	180	37.7	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0213	
73072	ALT12 PF	13.8	2	0	2	65	18.9	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	18.9	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	2	290	118.2	150	-100	1.038	1.038	70785
71096	ANPBLCK2	21	1	0	2	290	118.2	150	-100	1.038	1.038	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0088	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0262	
73351	BATES DA	0.48	1	0	2	0	-4.1	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9982	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0133	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0146	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0141	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0165	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0218	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0011	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0353	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.996	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.996	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.996	71832
72986	BERKPWR	13.8	1	0	2	305	42.5	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0182	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0434	
72372	BP #1 GN	18	2	0	2	238	78.4	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	78.4	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	54.1	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	18.1	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0161	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0223	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0072	
72512	BRSWP G1	13.8	1	0	2	294	50.2	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	50.2	145	-75	1.0174	1.0174	72385
70389	BUCKS G4	18	1	0	2	191	72.4	120	-100	1.04	1.04	
73381	BULLS BR	27.6	1	0	-2	5	1	1	1	1	0.9967	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.0332	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.0332	
71065	CABOTCMB	16	1	0	2	260	-26.4	127	-127	1.043	1.043	70760
71066	CABOTSTM	13.8	1	0	2	120	-26.4	60	-60	1.043	1.043	70760
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0144	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0351	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0351	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	1.0008	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9606	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	0.9972	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.9753	
70424	CHAMP G3	13.8	1	0	-2	65	32	32	32	1	1.0448	

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70017	CHESTER	115	3	0	-2	2.6	0	0	0	1.03	0.8805	
73006	COBLEMTN	69	1	0	-2	17	4	4	4	1	1.0167	
72665	COLFAX	13.8	2	0	2	63.8	-8.4	30	-19	1.01	1.01	
71857	COMRF G1	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0269	
73547	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0439	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0439	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9762	
73074	CUMBRND	13.8	1	0	-2	3	1	1	1	1.043	1.0467	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.9932	
73765	DERBY PH	13.8	1	0	2	7	1	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	17.1	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	17.1	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	7.2	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0312	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0114	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	2.7	3	-3	1	1	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.6	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.023	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.0132	
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	1.0195	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	0.9853	
71394	EMI_GEN	22	1	0	2	185	14.7	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.0009	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0107	
70693	ESX-STAT	3.2	1	0	2	0	14.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9862	
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	0.971	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0118	
73536	FORST PF	13.8	1	0	2	13	3.3	4	0	1.03	1.03	
72666	FRSQ SC1	11.5	1	0	2	42.6	-5	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	-2	42.6	-5	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3.4	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0258	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.9969	
73168	GLNBROOK	115	1	0	2	0	-69.3	150	-150	1.035	1.035	
70371	GORBELL	13.8	1	0	-2	16	4	4	0	1.05	1.0225	70123
70713	GORGE GN	34.5	1	0	-2	2.5	0.5	0.5	0	1.02	0.986	
72805	GREGG PH	34.5	1	0	-2	0.3	0	0	0	1.0315	1.026	
70157	GUILF GN	115	1	0	-2	20.4	0	0	0	1	1.019	
70118	GULF ISL	115	1	0	-2	21.4	0	0	0	1.03	1.041	
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.0035	
72518	HARR G1	6.9	1	0	2	14	4.7	6	0	1.0174	1.0174	72397
72510	HARR G2	6.9	1	0	2	14	4.7	6	0	1.0174	1.0174	72397
72511	HARR G3	6.9	1	0	2	14	4.7	6	0	1.0174	1.0174	72397

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70356	HARRIS#1	13.8	1	0	2	16	2.7	7.2	0	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	5.3	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0367	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126.2	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0161	
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	0.9963	
70410	HYDRO KN	4.16	1	1	-2	5	0	0	0	1	1.0364	
72528	INDCK PF	13.8	1	0	-2	17.4	12.4	12.4	-12.4	1.02	1.0157	72398
70359	IP RILEY	2.4	1	0	-2	11	-0.8	-0.8	-0.8	1	1.0231	
70420	J/MILL A	13.8	1	0	-2	30	20	20	20	1	1.0108	
70421	J/MILL B	13.8	5	0	-2	16.6	26.8	26.8	26.8	1	1.0121	
70432	J/MILL C	13.8	3	0	-2	26.8	16.4	16.4	16.4	1	1.0041	
72812	JACKMAN	34.5	1	0	-2	2.5	0	0	0	1.029	1.0389	
70373	JAY/LIVR	13.8	2	0	-2	6	0	0	0	1	0.9903	
71123	KENDALL	13.8	3	0	2	63	5.8	32.3	0	1.025	1.025	
70484	KENTCHPF	13.8	1	0	-2	17	9	9	-9	1.03	0.998	70470
71124	KND JETS	13.8	2	0	2	36.4	0.5	5.2	0	1.025	1.025	
72918	L NATION	34.5	1	0	-2	13	0	0	0	1.03	1.0183	
73565	LAKERD#1	21	1	0	2	280	53.6	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	53.6	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	53.6	174	-90	1.035	1.035	73119
70147	LAKEWOOD	115	1	0	-2	6.8	3.6	3.6	0	1.022	1.0102	
72664	LANDFILL	4.16	1	0	2	12	1.4	6	0	1.031	1.031	
72061	LAWHYD 4	23	1	0	-2	7.4	0	7	0	1	1.0136	
72059	LENERG1	13.8	1	0	-2	50	5.8	5.8	0	1.02	1.0195	71972
72060	LENERG2	13.8	1	0	-2	20	0	0	0	1.02	1.0195	71972
70104	LEW LWR	115	1	0	-2	13.8	-3	3	-3	1.025	1.0369	
73276	LISBN PF	115	1	0	-2	13.5	3	3	0	1	0.9867	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0323	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0089	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0368	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0324	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0319	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0114	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0066	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0298	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0303	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0078	
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	0.9937	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.0434	
73588	MERIDEN1	21	1	0	2	195	28.3	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	28.3	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	28.3	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	71.4	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9749	
73555	MIDDTN#2	13.8	1	0	2	117	33.7	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	33.7	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.032	73107
70677	MIDSX 34	34.5	1	0	-2	1.4	0	0.8	0	1.02	1.0275	
73574	MILFD#1	13.8	1	0	-2	280	150	150	-40	1.026	1.0257	73125
73562	MILL#2	24	1	0	2	860	119.9	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	119.9	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	45.5	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	20.4	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9913	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0263	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0428	
73558	MONTV#5	13.8	1	0	2	81	16.8	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	85.2	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.3	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.3	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0059	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9985	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9985	72250
71067	MYS8 GTS	16	2	0	2	554	152	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	97.1	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	97.1	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	97.1	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	152	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.0341	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0365	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0365	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0365	70774
70010	NEW_G1	18	1	0	2	169	24.3	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	24.3	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	24.3	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	-2	447	0	175	0	1.035	1.0354	73668
73665	NHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0243	73664
73083	NRTHFD12	13.8	2	0	2	540	154.9	160	-80	1.041	1.041	72926
73084	NRTHFD34	13.8	2	0	2	540	154.9	160	-80	1.041	1.041	72926
72868	NWNGT G1	24	1	0	2	422	24.3	180	-45	1.035	1.035	72692
71253	OBGEN	23	1	0	2	7.5	1.1	1.5	0	1	1	
72068	OG MARTN	23	1	0	-2	30	0	20	0	1	1.0217	
70694	OMYA	46	1	0	2	7.7	1.4	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.009	
71531	OSP1 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
71532	OSP2 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
71533	OSP3 PF	13.8	1	0	-2	107.5	0	51.8	0	1.0289	1.0325	71338
71534	OSP4 PF	13.8	1	0	-2	77	0	37.6	0	1.0289	1.0325	71338
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0336	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9927	
71094	PLGRM G1	22.8	1	0	2	670	206.2	340	-100	1.038	1.038	70783

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.0232	
71719	POTTER	115	2	0	-2	89	42	42	-10	1.017	1.0148	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9981	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0474	
71125	PUTNAM	13.8	1	2	-2	13.5	0	2	0	1	1.029	
70594	QUECHE T	46	1	0	-2	1.5	0	0.7	0	0.9838	0.9892	
71945	RESCO	13.8	1	0	-2	29.9	20	20	-10	1.026	1.0218	71889
72063	RES-NAND	23	1	0	2	31.8	-4.7	15	-15	1.01	1.01	
73280	RKRIV PF	115	1	0	-2	2.6	0	0	0	0.974	1.0218	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0218	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0187	
70627	RYGTE 34	34.5	1	0	-2	3.5	0.3	0.3	0	1.0364	1.0208	
71946	SALEM G1	14.4	1	0	2	79	9.7	32	-23	1.035	1.035	71891
71947	SALEM G2	14.4	1	0	2	78	9.7	29	-8	1.035	1.035	71891
71948	SALEM G3	14.4	1	0	2	143	19.4	50	-37	1.035	1.035	71891
71949	SALEM G4	22	1	0	2	400	58.1	275	-160	1.035	1.035	71891
70563	SALISBRY	46	1	0	-2	0.2	0.3	0.3	0	0.989	0.9831	
73352	SANDH DB	0.48	1	0	2	0	2	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	2	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.991	
72869	SBRK G1	25	1	0	2	1150	268.9	550	-90	1.035	1.035	72694
72870	SCHILLER	13.8	1	0	-2	47.5	25	25	-2	1.035	1.0157	72745
72871	SCHILLER	13.8	1	0	-2	49.6	25	25	-2	1.035	1.0157	72745
72872	SCHILLER	13.8	1	0	-2	48	25	25	-2	1.035	1.0157	72745
73616	SCRRA PF	69	1	0	-2	13.2	0	4	0	1	1.0053	
70417	SDW #8GN	11	2	0	-2	7	0	0	0	1	0.9912	
70418	SDW #9GN	13.8	1	0	-2	45	10	10	10	1	1.0113	
70419	SDW#10GN	13.8	1	0	-2	14	4	4	4	1	1.0124	
70372	SEA STRN	13.8	1	0	2	48	0.6	25	-22	1.03	1.03	70169
72519	SEARSBUR	2.4	1	0	-2	5	0	2	0	1	1.0178	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0154	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0087	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0215	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0172	72401
71681	SHRWS DG	13.8	1	0	2	10	6.5	6.9	-6.9	1	1	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9961	
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	1.0322	
72758	SMITH HY	115	1	0	-2	9	0	0	0	1.03	1.0189	
71522	SOM G6	14	1	0	-2	70	0	86	0	1.0087	1.0117	71377
73082	SPGFD PF	13.8	1	0	-2	6	0	2	0	1	1.0191	
70127	SPRNG GN	115	1	0	-2	11	0	0	0	1.035	1.0486	
72933	STNYBK 1	13.8	1	0	2	87	12.3	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	11.2	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	11.2	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	11.2	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	11.2	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	11.2	30	-8	1.043	1.043	
72810	SUNCK PH	34.5	1	0	-2	1	0	0	0	1	1.0092	
70588	TAFTS 46	46	1	0	-2	0.2	0	0.2	0	0.973	0.9822	

New England Generation for Dispatch 2C (NE-NY 0 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9959	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0189	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0189	71739
72842	TILT N PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0022	
72669	TIVER G1	18	1	0	2	189	30.6	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	16	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0.5	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	2	17	0.9	3	0	1	1	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0209	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0066	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0164	
72521	VERNON G	2.4	4	0	2	8	3.3	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.6	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.4	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.4	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	71.8	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0255	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0362	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0393	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.8	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.8	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.9	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9714	
70365	WF WY #1	13.8	1	0	2	57	5.6	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.6	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	11.2	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	108.2	23.4	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.987	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0073	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9963	71834
70363	WILLM #1	6.9	1	0	2	4	1.3	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0301	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.034	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0017	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0307	
73459	WNSRLK	27.6	1	0	-2	8	2	2	2	1	1.0365	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0167	
73080	WSPFLD 3	13.8	1	0	2	107	15.9	52	-37	1.022	1.022	72961
70361	WYMAN #2	13.8	1	0	-2	21	0	11.6	0	1.02	1.0203	70113
70362	WYMAN #3	13.8	1	0	-2	20	0	11.6	0	1.02	1.0203	70113

NE Generation Changes from Dispatch 2C to Dispatch 3C (ESA Series Cases)										
Number	Name	BasVlt	Dispatch 2C		Dispatch 3C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.3	0	0	-169	100	-24.3	100
70011	NEW_G2	18	169	24.3	0	0	-169	100	-24.3	100
70012	NEW_G3	18	195	24.3	0	0	-195	100	-24.3	100
70368	WF WY #4	22	108.2	23.4	102.5	28.2	-5.8	5.3	4.8	20.7
71095	ANPBLCK1	21	290	118.2	0	0	-290	100	-118.2	100
72513	BRSWP G2	13.8	294	50.2	0	0	-294	100	-50.2	100
73575	MILFD#2	13.8	0	0	280	82.1	280	999.9	82.1	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	41.4	170	999.9	41.4	999.9
73653	BE 12	16	0	0	170	41.4	170	999.9	41.4	999.9
73654	BE 10 ST	16	0	0	180	41.4	180	999.9	41.4	999.9

NE Generation Changes from Dispatch 2C to Dispatch 4C (ESA Series Cases)										
Number	Name	BasVlt	Dispatch 2C		Dispatch 4C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
70010	NEW_G1	18	169	24.3	0	0	-169	100	-24.3	100
70011	NEW_G2	18	169	24.3	0	0	-169	100	-24.3	100
70012	NEW_G3	18	195	24.3	0	0	-195	100	-24.3	100
70368	WF_WY #4	22	108.2	23.4	76.8	36.6	-31.4	29	13.2	56.5
71095	ANPBLCK1	21	290	118.2	0	0	-290	100	-118.2	100
72513	BRSWP_G2	13.8	294	50.2	0	0	-294	100	-50.2	100
72867	MERMK_G2	24	320	71.4	0	0	-320	100	-71.4	100
73551	NORHAR#1	18	0	0	161	-30.4	161	999.9	-30.4	999.9
73552	NORHAR#2	20	0	0	168	-30.4	168	999.9	-30.4	999.9
73575	MILFD#2	13.8	0	0	280	81.1	280	999.9	81.1	999.9
73594	WALL LV1	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73595	WALL LV2	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73596	WALL LV3	13.8	0	0	51	7.8	51	999.9	7.8	999.9
73652	BE 11	16	0	0	170	38.7	170	999.9	38.7	999.9
73653	BE 12	16	0	0	170	38.7	170	999.9	38.7	999.9
73654	BE 10 ST	16	0	0	180	38.7	180	999.9	38.7	999.9

NE Generation Changes from Dispatch 2C to Dispatch 5C (ESA Series Cases)										
Number	Name	BasVlt	Dispatch 2C		Dispatch 5C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	108.2	23.4	258	30.9	149.7	138.3	7.5	32.1
73551	NORHAR#1	18	0	0	161	-24.5	161	999.9	-24.5	999.9
73552	NORHAR#2	20	0	0	168	-24.5	168	999.9	-24.5	999.9
73553	DEVON#7	13.8	106	17.1	0	0	-106	100	-17.1	100
73554	DEVON#8	13.8	106	17.1	0	0	-106	100	-17.1	100
73574	MILFD#1	13.8	280	150	0	0	-280	100	-150	100

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ± 700 MW and 0 MW

Dispatches 10C – 13C

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0137	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0257	
73538	AESTH PF	20	1	0	2	180	46	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	20.5	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	20.5	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	2	290	114.5	150	-100	1.038	1.038	70785
71096	ANPBLCK2	21	1	0	2	290	114.5	150	-100	1.038	1.038	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0111	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0252	
73351	BATES DA	0.48	1	0	2	0	-4.1	8	-8	1.03	1.03	73378
70628	BAY 34.5	34.5	1	0	-2	2.5	0	0	0	1.014	0.9981	
70414	BC BUS 1	11.5	1	0	-2	6	0	0	0	1	1.0147	
70415	BC BUS 2	11.5	1	0	-2	6	0	0	0	1	1.0159	
70425	BC COGEN	13.8	1	0	-2	110	46	46	46	1	1.0152	
70413	BC U.H.1	11.5	1	0	-2	6	0	0	0	1	1.0178	
70412	BC U.H.2	11.5	1	1	-2	6	0	0	0	1	1.0231	
73188	BCNFL PF	115	3	0	-2	3.4	0	0	0	1	1.0015	
70689	BELDENS	46	1	0	-2	8.7	0	0	0	1	1.0355	
71854	BELWS G1	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9978	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9978	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9978	71832
72986	BERKPWR	13.8	1	0	2	305	52	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0178	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0432	
72372	BP #1 GN	18	2	0	2	238	79.9	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	79.9	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	54.9	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	22	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	1.0213	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0065	
72512	BRSWP G1	13.8	1	0	2	294	38.3	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	38.3	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	0.997	
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	1.0155	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0357	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0357	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	0.9984	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9628	
70350	CHAMP EF	7.2	6	0	-2	-19.2	-6	-6	-6	1	1.0184	
70426	CHAMP G2	13.8	1	0	-2	15	6	6	6	1	0.9953	

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	-8.2	30	-19	1.01	1.01	
71857	COMRF G1	13.8	1	0	2	37.4	-5	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5	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	1.0414	
73548	CRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0414	
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	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	19.3	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	19.3	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	8	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0311	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0116	71279
72514	DRFLD 2G	2.4	3	0	2	1.6	1.9	3	-3	1	1	72435
72515	DRFLD 3G	2.4	3	0	2	1.6	1.3	3	-3	1	1	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.0235	72411
72833	EASTMAN	34.5	2	0	-2	2	0	0	0	1.03	1.012	
70738	EAVE	13.8	1	0	-2	4.5	0	0	0	0.9979	1.0011	
72808	EDDY B	34.5	1	0	-2	14.5	0	0	0	1.03	1.0193	
70909	EDG GT1	16	1	0	2	276.2	15.3	256	-90	1.017	1.017	70901
70911	EDG ST1	18	1	0	2	305	15.3	200	-120	1.017	1.017	70901
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	1.0241	
71394	EMI GEN	22	1	0	2	185	13.4	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.0008	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	13.8	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9881	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0283	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9716	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0107	
73536	FORST PF	13.8	1	0	2	13	0.7	4	0	1.03	1.03	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.4	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.5	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-2.9	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0256	
70561	GLN.HY T	46	1	0	-2	1.2	-0.1	0.2	-0.1	0.9961	0.9982	
73168	GLNBROOK	115	1	0	2	0	-67.6	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	1.0435	

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70672	HARDWICK	34.5	1	0	-2	1.6	0	0	0	1	1.0028	
72518	HARR G1	6.9	1	0	2	14	3.2	6	0	1.0174	1.0174	72397
72510	HARR G2	6.9	1	0	2	14	3.2	6	0	1.0174	1.0174	72397
72511	HARR G3	6.9	1	0	2	14	3.2	6	0	1.0174	1.0174	72397
70356	HARRIS#1	13.8	1	0	2	16	2.1	7.2	0	1.04	1.04	70111
70358	HARRIS#3	13.8	1	0	2	28	4.1	14.5	0	1.04	1.04	70111
72821	HEMPH PF	34.5	1	0	-2	14	0	0	0	1.02	1.0367	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0153	
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	0.9955	
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	1.0407	
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	1.001	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	70.8	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	70.8	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	70.8	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	0.9885	
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	1.0082	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0389	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0344	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0339	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0134	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0089	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0292	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0291	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	0.9949	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.0431	
73588	MERIDEN1	21	1	0	2	195	48.1	130	-30	1.03	1.03	73122

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
73589	MERIDEN2	21	1	0	2	195	48.1	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	48.1	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	26	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	74.1	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	0.9766	
73555	MIDDTN#2	13.8	1	0	2	117	33.6	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	33.6	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0302	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	1.0256	73125
73562	MILL#2	24	1	0	2	860	147.3	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	147.3	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	46.9	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	
73558	MONTV#5	13.8	1	0	2	81	20.5	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	104	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.4	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0055	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9966	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9966	72250
71067	MYS8 GTS	16	2	0	2	554	149.6	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	149.6	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	3.8	175	0	1.035	1.035	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0234	73664
73083	NRTHFD12	13.8	2	0	-2	540	160	160	-80	1.041	1.04	72926
73084	NRTHFD34	13.8	2	0	-2	540	160	160	-80	1.041	1.04	72926
72868	NWNGT G1	24	1	0	2	422	24.9	180	-45	1.035	1.035	72692
71253	OGEN	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	0.8	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.0076	

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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
70431	OTIS GEN	4.16	2	0	-2	8	1	1	1	1	1.0348	
72847	PINET PF	34.5	1	0	-2	15	0	0	0	1.03	0.9926	
71094	PLGRM G1	22.8	1	0	2	670	177.7	340	-100	1.038	1.038	70783
72760	POTOK PH	115	1	0	-2	7.8	0	0	0	1.03	1.023	
71719	POTTER	115	2	0	2	89	9.1	42	-10	1.017	1.017	
70690	PROCTP	46	1	0	-2	3	0.1	0.1	0	1.0002	0.9982	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.0465	
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	1.0221	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0221	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	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	2	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	274.9	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	1.0069	
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	1.0188	72413
71189	SEM2PF	13.8	1	0	2	22.5	2.8	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0158	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.008	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0216	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0174	72401
71681	SHRWS DG	13.8	1	0	2	10	5.7	6.9	-6.9	1	1	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9979	
70638	SJOHN 34	34.5	1	0	-2	1.1	0	0.1	0	1	1.0018	
73546	SMEAD PF	23	2	0	2	13	0.6	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	

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72933	STNYBK 1	13.8	1	0	2	87	13.2	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	12	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	12	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	12	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	12	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	12	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	TILT N PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.001	
72669	TIVER G1	18	1	0	2	189	30.5	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	15.9	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	-0.1	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	-2	17	0	3	0	1	1.0016	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0202	
70448	UPFLS PH	34.5	1	0	-2	0.7	0	0	0	1	1.0059	
70728	VERGE 34	34.5	1	0	-2	1	0	0.3	0	1	1.0176	
72521	VERNON G	2.4	4	0	2	8	3.1	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.5	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.3	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.3	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	91.9	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0252	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0411	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0443	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.6	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.7	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9712	
70365	WF WY #1	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.5	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	11	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	105	17.2	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	0.9883	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0092	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9971	71834
70363	WILLM #1	6.9	1	0	2	4	1	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0326	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0399	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0009	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0302	
73459	WNSRSLK	27.6	1	0	-2	8	2	2	2	1	1.0341	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0172	
73080	WSPFLD 3	13.8	1	0	2	107	19.7	52	-37	1.022	1.022	72961

New England Generation for Dispatch 10C (NE-NY 700 MW) ESA Series Cases												
Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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 (ESA Series Cases)										
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
70368	WF WY #4	22	105	17.2	102.5	18.9	-2.6	2.4	1.7	9.8
70911	EDG ST1	18	305	15.3	290.8	15.7	-14.2	4.7	0.4	2.7
71095	ANPBLCK1	21	290	114.5	0	0	-290	100	-114.5	100
72513	BRSWP G2	13.8	294	38.3	0	0	-294	100	-38.3	100
73575	MILFD#2	13.8	0	0	280	83.4	280	999.9	83.4	999.9
73594	WALL LV1	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73595	WALL LV2	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73596	WALL LV3	13.8	0	0	51	7.9	51	999.9	7.9	999.9
73652	BE 11	16	0	0	170	42.1	170	999.9	42.1	999.9
73653	BE 12	16	0	0	170	42.1	170	999.9	42.1	999.9
73654	BE 10 ST	16	0	0	180	42.1	180	999.9	42.1	999.9

NE Generation Changes from Dispatch 10C to Dispatch 12C (ESA Series Cases)										
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	17.2	76.8	26.8	-28.2	26.9	9.6	55.6
70911	EDG ST1	18	305	15.3	282	16.5	-23	7.5	1.2	8.1
71095	ANPBLCK1	21	290	114.5	0	0	-290	100	-114.5	100
72513	BRSWP G2	13.8	294	38.3	0	0	-294	100	-38.3	100
72867	MERMK G2	24	320	74.1	0	0	-320	100	-74.1	100
73551	NORHAR#1	18	0	0	161	-20.9	161	999.9	-20.9	999.9
73552	NORHAR#2	20	0	0	168	-20.9	168	999.9	-20.9	999.9
73575	MILFD#2	13.8	0	0	280	82.1	280	999.9	82.1	999.9
73594	WALL LV1	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73595	WALL LV2	13.8	0	0	102	11.1	102	999.9	11.1	999.9
73596	WALL LV3	13.8	0	0	51	7.9	51	999.9	7.9	999.9
73652	BE 11	16	0	0	170	39.1	170	999.9	39.1	999.9
73653	BE 12	16	0	0	170	39.1	170	999.9	39.1	999.9
73654	BE 10 ST	16	0	0	180	39.1	180	999.9	39.1	999.9

NE Generation Changes from Dispatch 10C to Dispatch 13C (ESA Series Cases)										
Number	Name	BasVlt	Dispatch 10C		Dispatch 13C		Change			
			MW	MVAR	MW	MVAR	MW	%	MVAR	%
70368	WF WY #4	22	105	17.2	258	26.6	152.9	145.6	9.4	54.3
70911	EDG ST1	18	305	15.3	308	15.4	3	1	0.2	1
73551	NORHAR#1	18	0	0	161	-23.9	161	999.9	-23.9	999.9
73552	NORHAR#2	20	0	0	168	-23.9	168	999.9	-23.9	999.9
73553	DEVON#7	13.8	106	19.3	0	0	-106	100	-19.3	100
73554	DEVON#8	13.8	106	19.3	0	0	-106	100	-19.3	100
73574	MILFD#1	13.8	280	150	0	0	-280	100	-150	100

SWCT Transmission Expansion:
East Shore to Norwalk with a Second 345 kV Line to East Shore
Transmission Loading and Voltage Analysis, 387 Line Reconductored, NE-NY ± 700 MW and 0 MW

Dispatches 18C – 21C

New England Generation for Dispatch 18C (NY-NE 700 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
72689	ABENAKI	4.16	4	0	-2	5.4	-0.5	-0.5	-0.5	1	1.0125	
70377	AEC G1	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70378	AEC G2	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70379	AEC G3	13.8	1	0	2	52.5	7.5	37	-26.5	1.04	1.04	
70370	AEI GEN	13.8	1	0	-2	36	3	3	3	1.03	1.0256	
73538	AESTH PF	20	1	0	2	180	29.8	80	0	1.035	1.035	73109
72962	AGAWM PF	115	1	0	-2	1.6	0	0	0	1	1.0215	
73072	ALT12 PF	13.8	2	0	2	65	18.2	26	0	1.035	1.035	72983
73073	ALT34 PF	13.8	2	0	2	80.5	18.2	33	0	1.035	1.035	72983
71095	ANPBLCK1	21	1	0	-2	290	150	150	-100	1.038	1.0346	70785
72688	ANSON HY	4.16	3	2	-2	4.8	0	0	0	1	1.0099	
72840	AYERS	34.5	1	0	-2	3	0	0	0	1.03	1.0267	
73351	BATES DA	0.48	1	0	2	0	-4.2	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	1.0152	
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	1.0024	
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	0.9928	71832
71855	BELWS G2	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9928	71832
71856	BELWS G3	6.9	1	0	-2	10.6	5.8	5.8	-5.8	1	0.9928	71832
72986	BERKPWR	13.8	1	0	2	305	31.7	150	-40	1.02	1.02	72977
70691	BOLTONFL	34.5	1	0	-2	2	0	2	0	1	1.0185	
72064	BOOTMIL	13.8	1	0	-2	7.2	0	10	0	1	1.0431	
72372	BP #1 GN	18	2	0	2	238	78.2	120	-37	1.0261	1.0261	72252
72375	BP #2 GN	18	2	0	2	241	78.2	117	-32	1.0261	1.0261	72252
72370	BP #3 GN	20	1	0	2	605	73.5	265	-225	1.0377	1.0377	71801
73648	BPTHBR#3	22	1	0	2	375	12.8	260	-160	1.026	1.026	73700
70577	BRDFRD T	46	1	0	-2	0.4	0	0.1	0	0.9567	1.0138	
72830	BRDGA PF	34.5	1	0	-2	15	0	0	0	1.03	1.0227	
70451	BRIAR PH	34.5	1	0	-2	0.9	0	0	0	1	1.0077	
72512	BRSWP G1	13.8	1	0	2	294	59.8	145	-75	1.0174	1.0174	72385
72513	BRSWP G2	13.8	1	0	2	294	59.8	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	0.9977	
73078	CABOT A	6.9	1	0	-2	22.5	6	6	6	1	1.0299	
73079	CABOT B	6.9	1	0	-2	22.5	6	6	6	1	1.0299	
73203	CAMPV PH	115	2	0	-2	6	0	0	0	1	1.0173	
71251	CANAL G1	18	1	0	-2	566	239	239	0	1.04	1.0346	71193
71252	CANAL G2	18	1	0	-2	576	120	120	-50	1.04	1.0346	71193
73545	CAP D PF	13.8	2	0	-2	50	34	34	-8	1.009	1.0037	73279
70597	CAVDH 46	46	1	0	-2	0.4	0.2	0.2	-0.1	0.965	0.9571	
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	

New England Generation for Dispatch 18C (NY-NE 700 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	-5.3	13.7	-10	1.0435	1.0435	71817
71858	COMRF G2	13.8	1	0	2	37.4	-5.3	13.7	-10	1.0435	1.0435	71817
71859	COMRF G3	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
71860	COMRF G4	13.8	1	0	2	29	-5.3	13.7	-10	1.0435	1.0435	71817
72065	CPCLOWEL	23	1	0	-2	23.8	0	13	0	1	1.0262	
73547	CRRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0469	
73548	CRRRA PF	11.5	1	0	-2	32	0	34	0	1	1.0469	
73650	CRRRA PF	13.8	1	0	-2	57	30	30	-36	1	0.9763	
73074	CUMBRLND	13.8	1	0	-2	3	1	1	1	1.043	1.0435	
70692	DECKGEN	13.8	1	0	-2	20	2	2	0	1	0.9932	
73765	DERBY PH	13.8	1	0	2	7	0.8	2	0	1.03	1.03	
73553	DEVON#7	13.8	1	0	2	106	13.3	47	-19	1.026	1.026	73195
73554	DEVON#8	13.8	1	0	2	106	13.3	47	-20	1.026	1.026	73195
73539	DEXTR PF	13.8	2	0	2	38	6.3	33	-13	1	1	
72957	DOREEN	115	1	0	-2	17	2	2	2	1	1.0313	
71316	DPA PF	13.8	2	0	-2	62.8	25	25	-10	1.025	1.0109	71279
72514	DRFLD 2G	2.4	3	0	-2	1.6	3	3	-3	1	0.9991	72435
72515	DRFLD 3G	2.4	3	0	-2	1.6	3	3	-3	1	0.9998	72436
72517	DRFLD 5G	13.8	2	0	-2	5	-1	4	-1	1	1.0217	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	1.0195	
70019	ELLSWRTH	115	2	0	-2	0.4	0	0	0	1.03	0.986	
71394	EMI GEN	22	1	0	2	185	17.1	80	0	1.02	1.02	71380
72846	ERROL PH	34.5	1	0	-2	2.7	0	0	0	1.03	1.001	
70736	ESSEX	34.5	1	0	-2	1	0.3	0.3	0	1.02	1.0106	
70712	ESSEX 19	34.5	1	0	-2	3.5	0	0.5	0	1	1.0106	
70693	ESX-STAT	3.2	1	0	2	0	15.9	75	-75	1.01	1.01	70512
73281	EXETR PF	115	1	0	-2	26	24	24	-8	1	0.9847	
70629	FAIR FLS	34.5	1	0	-2	1.9	0	0.6	0	1.025	1.0285	
73542	FALLS V	6.9	1	0	-2	7	2	2	2	0.96	0.9743	73336
72834	FKLIN PH	34.5	1	0	-2	0.7	0	0	0	1.03	1.0125	
73536	FORST PF	13.8	1	0	-2	13	0	4	0	1.03	1.0304	
72666	FRSQ SC1	11.5	1	0	2	42.6	-4.7	27	-5	0.9913	0.9913	
72667	FRSQ SC2	11.5	1	0	2	42.6	-4.8	27	-5	0.9913	0.9913	
72668	FRSQ SC3	11.5	1	0	2	42.3	-3.2	27	-5	0.9913	0.9913	
72807	GARVINS	34.5	1	1	-2	6	0	0	0	1.03	1.0259	
70561	GLN.HY T	46	1	0	-2	1.2	0.2	0.2	-0.1	0.9961	0.9949	
73168	GLNBROOK	115	1	0	2	0	-71.4	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	1.0161	72397
72510	HARR G2	6.9	1	0	-2	14	6	6	0	1.0174	1.0161	72397
72511	HARR G3	6.9	1	0	-2	14	6	6	0	1.0174	1.0161	72397
70356	HARRIS#1	13.8	1	0	2	16	2.6	7.2	0	1.04	1.04	70111

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Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	1.0355	
70639	HGATE VL	46	1	0	-2	1.2	0	0.5	0	1.02	1.0554	
70547	HIGHGATE	115	1	0	2	0	126.2	140	-140	1.0045	1.0045	
71768	HOLYOKE	115	1	1	-2	2	1	1	1	1	1.0168	
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	0.9956	
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	1.0123	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	1.0361	
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	0.9931	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	46.4	174	-90	1.035	1.035	73119
73566	LAKERD#2	21	1	0	2	280	46.4	174	-90	1.035	1.035	73119
73567	LAKERD#3	21	1	0	2	280	46.4	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	0.9852	
70129	LOUDEN	115	1	0	-2	6.9	0	0	0	1.025	1.0329	
70443	LOWFL PH	34.5	1	0	-2	0.9	0	0	0	1	1.0094	
70177	LWSTN GN	115	1	0	-2	1.7	0	0	0	1.025	1.0382	
72685	MADSN G1	13.2	1	0	-2	-6.1	3	3	3	1	1.0333	
72686	MADSN G2	13.2	1	0	-2	-6.4	3	3	3	1	1.0328	
72687	MADSN G3	13.2	1	0	-2	-3.3	1	1	1	1	1.0123	
72683	MADSN UP	13.8	1	0	-2	1.6	0.3	0.3	0.3	1	1.0077	
72661	MANCH09A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
72662	MANCH10A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
72663	MANCH11A	13.8	1	0	-2	119	35	35	-32	1.035	1.0295	72569
73069	MAPR1 PF	13.8	1	0	-2	56	47	47	-32	1.035	1.0312	72980
70685	MARSHFLD	34.5	1	0	-2	3.5	0	0.2	0	1	1.0079	
70706	MCNEIL G	13.8	1	0	-2	51	9	9	-5	1.015	1.0049	
70556	MENDN TP	46	1	0	2	2.6	0.1	0.6	0	0.9919	0.9919	
70179	MERC GN	115	1	0	-2	17.5	5	5	0	1.05	1.044	
73588	MERIDEN1	21	1	0	2	195	13.3	130	-30	1.03	1.03	73122
73589	MERIDEN2	21	1	0	2	195	13.3	130	-30	1.03	1.03	73122
73590	MERIDEN3	21	1	0	2	196	13.3	130	-30	1.03	1.03	73122
72866	MERMK G1	14.4	1	0	2	112.5	25.1	53	-10	1.035	1.035	72734
72867	MERMK G2	24	1	0	2	320	71.5	150	-30	1.035	1.035	72734
73564	MIDD#10J	13.2	1	0	-2	17	2	2	2	1	0.9766	

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Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
70565	MIDDB HY	46	1	0	-2	3.2	0.3	0.3	0	0.999	0.9724	
73555	MIDDTN#2	13.8	1	0	2	117	30.1	54	-20	1.026	1.026	73241
73556	MIDDTN#3	22	1	0	2	233	30.1	87	-37	1.026	1.026	73241
73557	MIDDTN#4	22	1	0	-2	400	200	200	-90	1.034	1.0337	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	149.6	150	-40	1.026	1.026	73125
73562	MILL#2	24	1	0	2	860	95.6	420	0	1.035	1.035	73110
73563	MILL#3	24	1	0	2	1140	95.6	520	0	1.035	1.035	73110
72243	MILLENCT	16	1	0	2	273	48.6	125	-90	1.0174	1.0174	72117
72244	MILLENST	13.8	1	0	2	117	21.9	62	-44	1.0174	1.0174	72117
70616	MILTON	34.5	1	0	-2	10	0	0	0	1	0.9915	
72801	MINEF PH	34.5	1	0	-2	1	0	0	0	1.035	1.0264	
72865	MK CT	13.2	2	0	-2	30	0	0	0	1	0.9882	
73075	MONTAGUE	13.8	1	0	-2	4	1	1	1	1.044	1.0391	
73558	MONTV#5	13.8	1	0	2	81	13.2	27	0	1.035	1.035	73109
73559	MONTV#6	22	1	0	2	402	67.3	200	-60	1.035	1.035	73109
71861	MOORE G1	13.8	1	0	2	40	-3	16	-10	1.0435	1.0435	71823
71862	MOORE G2	13.8	1	0	2	33	-3	16	-10	1.0435	1.0435	71823
71863	MOORE G3	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824
71864	MOORE G4	13.8	1	0	2	33	13.2	16	-10	1.0435	1.0435	71824
70686	MORRSVL3	34.5	1	0	-2	1.8	0.3	0.3	0	1.0419	1.0063	
72373	MPLP 1PF	13.8	1	0	-2	80	53	53	-36	1.02	0.9952	72250
72374	MPLP 2PF	13.8	1	0	-2	44	27	27	-21	1.02	0.9952	72250
71067	MYS8 GTS	16	2	0	2	554	136.4	512	-180	1.043	1.043	70759
71061	MYST 5G	18	1	0	2	128.6	99	108	-75	1.035	1.035	70818
71060	MYST G4	18	1	0	2	133.4	99	108	-75	1.035	1.035	70818
71062	MYST G6	18	1	0	2	135.9	99	104	-75	1.035	1.035	70818
71063	MYST G7	22	1	0	2	565	136.4	335	-150	1.043	1.043	70759
71074	N.BOST 2	22	1	0	-2	380	230	230	-50	1.035	1.0338	70837
71084	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71085	NEA GTPF	13.8	1	0	-2	84.7	40	40	0	1.038	1.0336	70774
71086	NEA STPF	13.8	1	0	-2	80	55	55	0	1.038	1.0336	70774
70010	NEW_G1	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70011	NEW_G2	18	1	0	2	169	23.5	105	0	1.035	1.035	72692
70012	NEW_G3	18	1	0	2	195	23.5	120	0	1.035	1.035	72692
73651	NH HARBR	22	1	0	-2	447	0	175	0	1.035	1.0362	73668
73665	NHHHVDCL	192	1	0	-2	-351.5	72	72	-72	1.03	1.0251	73664
73083	NRTHFD12	13.8	2	0	2	540	148.2	160	-80	1.041	1.041	72926
73084	NRTHFD34	13.8	2	0	2	540	148.2	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	1.0215	
70694	OMYA	46	1	0	2	7.7	2.4	3	0	1	1	
73077	ORCHARD	13.8	1	0	-2	4	2	2	2	1.009	1.01	
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	

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Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
71094	PLGRM G1	22.8	1	0	2	670	228.1	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	
73076	PROSPECT	13.8	1	0	-2	26	7	7	7	1.043	1.048	
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	0.9869	
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	1.0228	
73541	ROCK RIV	13.8	1	0	-2	25	0	10	0	0.974	1.0228	73190
70101	RUMFRDGN	115	1	0	-2	6	-0.5	0.5	-0.5	1	1.0203	
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	0.9804	
73352	SANDH DB	0.48	1	0	2	0	1.9	8	-8	1.043	1.043	73375
73353	SANDH DC	0.48	1	0	2	0	1.9	8	-8	1.043	1.043	73375
70162	SANFORD	115	1	0	-2	0.9	0.8	0.8	0	1.013	0.9916	
72869	SBRK G1	25	1	0	2	1150	279.6	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	1.0045	
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	1.0161	72413
71189	SEM2PF	13.8	1	0	2	22.5	3	10	-2	1.0285	1.0285	
71188	SEMASSPF	13.8	1	0	-2	47.7	15	15	-5	1.0285	1.0147	71154
70445	SES PF	34.5	1	0	-2	12.2	0	0	0	1	1.0092	
73341	SHEPAUG	69	1	0	-2	32	8	8	8	1	1.0217	
72520	SHERMAN1	2.4	1	0	-2	5	-1	2	-1	1	1.0158	72401
71681	SHRWS DG	13.8	1	0	-2	10	6.9	6.9	-6.9	1	0.996	
70564	SILVERLK	46	1	0	-2	1.5	0.8	0.8	0	1	0.9932	
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	1.0353	
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	11.8	30	-8	1.043	1.043	
72930	STNYBK1A	13.8	1	0	2	65	10.7	30	-8	1.043	1.043	
72931	STNYBK1B	13.8	1	0	2	65	10.7	30	-8	1.043	1.043	
72932	STNYBK1C	13.8	1	0	2	65	10.7	30	-8	1.043	1.043	
72934	STNYBK2A	13.8	1	0	2	65	10.7	30	-8	1.043	1.043	
72935	STNYBK2B	13.8	1	0	2	65	10.7	30	-8	1.043	1.043	

New England Generation for Dispatch 18C (NY-NE 700 MW) ESA Series Cases

Number	Name	BasVlt	Mc On	Mc Off	Typ	MW	MVAR	Qmax	Qmin	Vsched	Vactual	Remote Bus
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	0.9799	
72756	TAMW PF	115	1	0	-2	20	0	0	0	1.03	0.9961	
71743	TAU 9A,8	13.8	1	1	-2	25	16	16	0	1.0261	1.0182	71739
71744	TAUNT G9	13.8	1	0	-2	85	52	52	0	1.0261	1.0182	71739
72842	TILT N PH	34.5	1	0	-2	0.9	0	0	0	1.03	1.0028	
72669	TIVER G1	18	1	0	2	189	31.4	125	-60	1.02	1.02	72590
72670	TIVER G2	13.8	1	0	2	92	16.4	48	-40	1.02	1.02	72590
70222	TOPSHAM	34.5	1	0	2	3.3	0	2.5	-2.5	1.04	1.04	
70223	TOPSHMGN	34.5	2	0	-2	13	0	0	0	1.04	1.0399	
73617	TUNNEL	69	1	0	-2	17	3	3	0	1	0.9992	
72822	TURKY PF	34.5	1	0	-2	2	0	0	0	1	1.0214	
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	1.0145	
72521	VERNON G	2.4	4	0	2	8	3.9	6	-6	1	1	72420
72525	VERNON22	2.4	2	0	2	5	1.9	3	-3	1	1	72420
72522	VERNONT1	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
72523	VERNONT2	13.8	1	0	2	4	1.6	2.5	-2.5	1	1	72420
70705	VTYAK G	22	1	0	2	563	76.2	150	-100	1.043	1.043	70486
70160	W.BUXTON	115	1	0	-2	2.3	0	0	0	1.025	1.0261	
73081	W.SPRING	13.8	1	0	-2	15	0	0	0	1.017	1.022	72961
70422	WARRN G1	13.8	1	0	-2	50.5	15	15	15	1	1.0384	
70423	WARRN G2	13.8	1	0	-2	45	11	11	11	1	1.0416	
71613	WATRS RV	13.8	1	0	-2	45.9	0	17	0	1	1.0024	
70386	WBK G1	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70387	WBK G2	18	1	0	2	184	28.3	46.6	-50	1.04	1.04	
70388	WBK G3	18	1	0	2	195	30.4	50	-50	1.04	1.04	
70575	WELLSRVR	46	1	0	-2	0.3	0.1	0.1	0	1.0003	0.9714	
70365	WF WY #1	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70366	WF WY #2	13.8	1	0	2	57	5.4	14	-14	1.05	1.05	70128
70367	WF WY #3	14.4	1	0	2	125	10.9	55	-44	1.05	1.05	70128
70368	WF WY #4	22	1	0	2	92	20.2	242	-209	1.05	1.05	70088
72843	WHFDA PF	34.5	1	0	-2	13.8	0	0	0	1.03	1.0179	
72242	WHLBRATR	13.8	1	0	-2	39.4	27.5	27.5	0	1	0.9821	72098
72813	WHOPK PF	34.5	1	0	-2	9	0	0	0	1	1.0044	
71866	WILDER	13.8	3	0	-2	36	13	13	-13	1	0.9945	71834
70363	WILLM #1	6.9	1	0	2	4	1.2	1.9	1	1.03	1.03	
70364	WILLM #2	6.9	1	0	-2	3	1	1.3	1	1.03	1.0307	
70330	WINSLOW	34.5	1	3	-2	6.8	0	0	0	1.03	1.0363	
72873	WL JET	13.8	1	0	-2	18	0	0	0	1.025	1.0019	
73631	WLNGF PF	115	1	0	-2	6.4	0	3	0	1	1.0315	
73459	WINDSRLK	27.6	1	0	-2	8	2	2	2	1	1.0391	
72956	WOODLAND	115	1	0	-2	17	2	2	2	1	1.0163	
73080	WSPFLD 3	13.8	1	0	2	107	13.2	52	-37	1.022	1.022	72961

NE Generation Changes from Dispatch 18C to Dispatch 19C (ESA Series Cases)										
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	59.8	0	0	-294	100	-59.8	100
73575	MILFD#2	13.8	0	0	280	81.1	280	999.9	81.1	999.9
73594	WALL LV1	13.8	0	0	102	10.9	102	999.9	10.9	999.9
73595	WALL LV2	13.8	0	0	102	10.9	102	999.9	10.9	999.9
73596	WALL LV3	13.8	0	0	51	7.6	51	999.9	7.6	999.9
73652	BE 11	16	0	0	170	40.9	170	999.9	40.9	999.9
73653	BE 12	16	0	0	170	40.9	170	999.9	40.9	999.9
73654	BE 10 ST	16	0	0	180	40.9	180	999.9	40.9	999.9

NE Generation Changes from Dispatch 18C to Dispatch 20C (ESA Series Cases)										
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	35.3	-7	7.6	15	74.2
71095	ANPBLCK1	21	290	150	0	0	-290	100	-150	100
72513	BRSWP G2	13.8	294	59.8	0	0	-294	100	-59.8	100
72867	MERMK G2	24	320	71.5	0	0	-320	100	-71.5	100
73551	NORHAR#1	18	0	0	161	-31.4	161	999.9	-31.4	999.9
73552	NORHAR#2	20	0	0	168	-31.4	168	999.9	-31.4	999.9
73575	MILFD#2	13.8	0	0	280	80	280	999.9	80	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	38.2	170	999.9	38.2	999.9
73653	BE 12	16	0	0	170	38.2	170	999.9	38.2	999.9
73654	BE 10 ST	16	0	0	180	38.2	180	999.9	38.2	999.9

NE Generation Changes from Dispatch 18C to Dispatch 21C (ESA Series Cases)										
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	-25.4	161	999.9	-25.4	999.9
73552	NORHAR#2	20	0	0	168	-25.4	168	999.9	-25.4	999.9
73553	DEVON#7	13.8	106	13.3	0	0	-106	100	-13.3	100
73554	DEVON#8	13.8	106	13.3	0	0	-106	100	-13.3	100
73574	MILFD#1	13.8	280	149.6	0	0	-280	100	-149.6	100

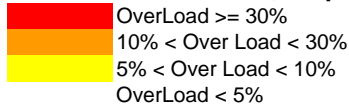
Appendix E

Summary of Overloads

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

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

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

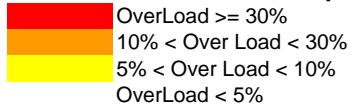


Worst Overload for Each Branch

Sorted by branch and then by overload

From bus	To bus	CKT	Typ	Nviol	Worst Viol %	Ncon	Cont Name	Dispatch	Controls	387 Line	NE-NY	NHHS
73106	SOUTHGTN 345 73154 SGTN B	115 2	TR	1	4.1	463	SGTN5TSTK	17C (ESA)	FIX	Recond	700	Off
73106	SOUTHGTN 345 73154 SGTN B	115 2	TR	1	1.9	463	SGTN5TSTK	14C (ESA)	FIX	Recond	700	Off
73106	SOUTHGTN 345 73154 SGTN B	115 2	TR	1	1.3	459	SGTN5TSTK	13C (ESA)	FIX	Recond	700	On
73106	SOUTHGTN 345 73154 SGTN B	115 2	TR	1	0.1	463	SGTN5TSTK	15C (ESA)	FIX	Recond	700	Off
73107	SCOVL RK 345 73114 KLEEN	345 1	LN	2	0.2	455	MONTVSTBKR	17C (ESA)	FIX	Recond	700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	4C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	5C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	8C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	9C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	12C (ESA)	FIX	Recond	700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	13C (ESA)	FIX	Recond	700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	16C (ESA)	FIX	Recond	700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	17C (ESA)	FIX	Recond	700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	20C (ESA)	FIX	Recond	-700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	408	SOUTHEND6T	21C (ESA)	FIX	Recond	-700	On
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	24C (ESA)	FIX	Recond	-700	Off
73162	WATERSDE 115 73163 COS COB	115 1	LN	1	24.8	412	SOUTHEND6T	25C (ESA)	FIX	Recond	-700	Off
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	408	SOUTHEND6T	4C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	408	SOUTHEND6T	5C (ESA)	FIX	Recond	0	On
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	412	SOUTHEND6T	8C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	412	SOUTHEND6T	9C (ESA)	FIX	Recond	0	Off
73162	WATERSDE 115 73168 GLNBROOK	115 1	LN	1	2.5	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



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	387 Line	NE-NY	NHHS
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	12C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	13C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	16C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	17C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	20C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	408	SOUTHEND6T	21C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	24C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	1	2.5	412	SOUTHEND6T	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	3	5.3	452	LONGMT5TSTK	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	3	2.3	448	LONGMT5TSTK	21C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	2C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	3C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	4C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	5C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	6C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	7C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	8C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	9C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	10C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	11C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	12C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	13C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	14C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	15C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	16C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	17C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	18C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	19C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	20C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	257	1440-1450DCT	21C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBK J 115 1	LN	1	23.2	261	1440-1450DCT	22C (ESA)	FIX	Recond	-700	Off		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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

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	387 Line	NE-NY	NHHS
73167	SO.END	115 73294 GLNBRK J 115 1	LN	1	23.2	261	1440-1450DCT	23C (ESA)	FIX	Recond	-700	Off
73167	SO.END	115 73294 GLNBRK J 115 1	LN	1	23.2	261	1440-1450DCT	24C (ESA)	FIX	Recond	-700	Off
73167	SO.END	115 73294 GLNBRK J 115 1	LN	1	23.2	261	1440-1450DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	3.7	293	1867-1890DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	3.2	293	1867-1890DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	2.8	293	1867-1890DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	2.7	289	1867-1890DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	2.2	289	1867-1890DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73169 RYTN J A 115 1	LN	1	1.8	289	1867-1890DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	54.8	292	1867-1880DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	54.4	292	1867-1880DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	54.3	288	1867-1880DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	54.2	292	1867-1880DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	54.0	288	1867-1880DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	2	53.7	288	1867-1880DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	51.7	292	1867-1880DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	51.4	292	1867-1880DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	51.3	292	1867-1880DCT	16C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	51.2	288	1867-1880DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	50.9	288	1867-1880DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73237 ELYAVE 115 1	LN	3	50.9	288	1867-1880DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	49.7	295	1880-1890DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	49.0	295	1880-1890DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	48.4	295	1880-1890DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	48.2	291	1880-1890DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	47.5	291	1880-1890DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	46.9	291	1880-1890DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	40.6	295	1880-1890DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	39.9	295	1880-1890DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	39.3	295	1880-1890DCT	16C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	39.3	291	1880-1890DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	38.5	291	1880-1890DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	1	37.9	291	1880-1890DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	3	22.2	295	1880-1890DCT	22C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	3	21.5	295	1880-1890DCT	6C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	3	20.9	295	1880-1890DCT	14C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	3	20.7	291	1880-1890DCT	18C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	3	20.0	291	1880-1890DCT	2C (ESA)	FIX	Recond	0	On

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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

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	387 Line	NE-NY	NHHS
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	19.5	291	1880-1890DCT	10C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	18.5	295	1880-1890DCT	23C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	17.8	295	1880-1890DCT	7C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	17.2	295	1880-1890DCT	15C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	17.0	291	1880-1890DCT	19C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	16.3	291	1880-1890DCT	3C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115	73271 RYTN J B 115 1	LN	3	15.8	291	1880-1890DCT	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	44.1	289	1867-1890DCT	12C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	44.0	293	1867-1890DCT	16C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.7	289	1867-1890DCT	4C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.7	289	1867-1890DCT	20C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.6	293	1867-1890DCT	8C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.5	293	1867-1890DCT	24C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.1	289	1867-1890DCT	21C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.0	289	1867-1890DCT	5C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.0	289	1867-1890DCT	13C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	43.0	293	1867-1890DCT	25C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	42.9	293	1867-1890DCT	9C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115	73171 NWLK HAR 115 1	LN	1	42.9	293	1867-1890DCT	17C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	40	85.5	258	1416-1867DCT	22C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	38	84.1	258	1416-1867DCT	6C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	37	83.1	258	1416-1867DCT	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	31	83.1	254	1416-1867DCT	18C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115	73172 NORWALK 115 1	LN	31	81.9	254	1416-1867DCT	2C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115	73172 NORWALK 115 1	LN	37	81.3	254	1416-1867DCT	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115	73172 NORWALK 115 1	LN	29	79.8	258	1416-1867DCT	23C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	29	78.5	258	1416-1867DCT	7C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	32	77.6	258	1416-1867DCT	15C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115	73172 NORWALK 115 1	LN	29	77.6	254	1416-1867DCT	19C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115	73172 NORWALK 115 1	LN	28	76.4	254	1416-1867DCT	3C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115	73172 NORWALK 115 1	LN	30	75.4	254	1416-1867DCT	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	82.3	430	TRIANGLE3T	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	81.3	430	TRIANGLE3T	22C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	2	80.6	430	TRIANGLE3T	17C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	2	80.3	430	TRIANGLE3T	9C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	2	80.2	430	TRIANGLE3T	25C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	2	80.1	430	TRIANGLE3T	6C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	2	79.8	430	TRIANGLE3T	14C (ESA)	FIX	Recond	700	Off

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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

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	387 Line	NE-NY	NHHS
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.6	426	TRIANGLE3T	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.4	430	TRIANGLE3T	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.4	430	TRIANGLE3T	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.3	426	TRIANGLE3T	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.0	426	TRIANGLE3T	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	73.0	430	TRIANGLE3T	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.7	426	TRIANGLE3T	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.6	426	TRIANGLE3T	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.6	426	TRIANGLE3T	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.5	426	TRIANGLE3T	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.5	426	TRIANGLE3T	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.2	426	TRIANGLE3T	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.1	430	TRIANGLE3T	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	72.0	426	TRIANGLE3T	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	71.6	426	TRIANGLE3T	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	71.0	430	TRIANGLE3T	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 1	LN	3	70.4	426	TRIANGLE3T	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	35.0	239	1060-1270DCT	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	35.0	239	1060-1270DCT	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.9	239	1060-1270DCT	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.9	235	1060-1270DCT	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.8	239	1060-1270DCT	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.8	235	1060-1270DCT	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.8	239	1060-1270DCT	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.7	235	1060-1270DCT	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.6	235	1060-1270DCT	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.5	235	1060-1270DCT	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.5	235	1060-1270DCT	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.5	239	1060-1270DCT	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.4	239	1060-1270DCT	17C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.4	239	1060-1270DCT	22C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115 2	LN	1	34.3	239	1060-1270DCT	9C (ESA)	FIX	Recond	0	Off

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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

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	387 Line	NE-NY	NHHS
73170	PLUMTREE 115 73176	TRIANGLE 115 2	LN	1	34.2	239	1060-1270DCT	6C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73176	TRIANGLE 115 2	LN	1	34.2	239	1060-1270DCT	14C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73176	TRIANGLE 115 2	LN	1	34.2	239	1060-1270DCT	25C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	186.4	429	TRIANGLE2T	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.7	429	TRIANGLE2T	22C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.5	429	TRIANGLE2T	17C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.4	429	TRIANGLE2T	9C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.3	429	TRIANGLE2T	6C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.3	429	TRIANGLE2T	25C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	185.2	429	TRIANGLE2T	14C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.2	429	TRIANGLE2T	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.1	429	TRIANGLE2T	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.1	425	TRIANGLE2T	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.1	429	TRIANGLE2T	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.0	425	TRIANGLE2T	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.0	425	TRIANGLE2T	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	183.0	425	TRIANGLE2T	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.9	425	TRIANGLE2T	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.8	425	TRIANGLE2T	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.8	429	TRIANGLE2T	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.8	425	TRIANGLE2T	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.8	425	TRIANGLE2T	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.6	425	TRIANGLE2T	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.6	425	TRIANGLE2T	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.5	425	TRIANGLE2T	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	182.4	429	TRIANGLE2T	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	2	181.9	425	TRIANGLE2T	20C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	12	60.8	292	1867-1880DCT	25C (ESA)	FIX	Recond	-700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	12	59.9	292	1867-1880DCT	9C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	11	59.4	288	1867-1880DCT	21C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	11	59.2	292	1867-1880DCT	17C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	6	58.5	288	1867-1880DCT	5C (ESA)	FIX	Recond	0	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	5	57.8	288	1867-1880DCT	13C (ESA)	FIX	Recond	700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	52.1	292	1867-1880DCT	24C (ESA)	FIX	Recond	-700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	51.4	292	1867-1880DCT	8C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	51.1	292	1867-1880DCT	16C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	50.9	288	1867-1880DCT	20C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	50.0	288	1867-1880DCT	4C (ESA)	FIX	Recond	0	On

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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

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	387 Line	NE-NY	NHHS
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	2	49.8	288	1867-1880DCT	12C (ESA)	FIX	Recond	700	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.3	291	1880-1890DCT	4C (ESA)	FIX	Recond	0	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.3	291	1880-1890DCT	20C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	5C (ESA)	FIX	Recond	0	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	8C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	9C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	12C (ESA)	FIX	Recond	700	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	13C (ESA)	FIX	Recond	700	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	16C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	17C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	291	1880-1890DCT	21C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	24C (ESA)	FIX	Recond	-700	Off
73171	NWLK HAR 115 73271	RYTN J B 115 1	LN	1	4.2	295	1880-1890DCT	25C (ESA)	FIX	Recond	-700	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	429	99.9	259	1416-1880DCT	22C (ESA)	FIX	Recond	-700	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	420	98.6	259	1416-1880DCT	6C (ESA)	FIX	Recond	0	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	416	97.6	259	1416-1880DCT	14C (ESA)	FIX	Recond	700	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	415	97.6	255	1416-1880DCT	18C (ESA)	FIX	Recond	-700	On
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	404	96.4	255	1416-1880DCT	2C (ESA)	FIX	Recond	0	On
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	395	95.7	255	1416-1880DCT	10C (ESA)	FIX	Recond	700	On
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	345	94.3	259	1416-1880DCT	23C (ESA)	FIX	Recond	-700	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	146	93.0	259	1416-1880DCT	7C (ESA)	FIX	Recond	0	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	64	92.1	255	1416-1880DCT	19C (ESA)	FIX	Recond	-700	On
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	86	92.0	259	1416-1880DCT	15C (ESA)	FIX	Recond	700	Off
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	47	90.9	255	1416-1880DCT	3C (ESA)	FIX	Recond	0	On
73172	NORWALK 115 73207	FLAX HIL 115 1	LN	45	89.9	255	1416-1880DCT	11C (ESA)	FIX	Recond	700	On
73172	NORWALK 115 73293	NORWALK 345 2	TR	1	0.7	231	PLUMNOR+AUTO	11C (ESA)	FIX	Recond	700	On
73172	NORWALK 115 73293	NORWALK 345 2	TR	1	0.2	235	PLUMNOR+AUTO	15C (ESA)	FIX	Recond	700	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	31.6	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	31.6	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	31.5	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	31.0	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	31.0	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	30.9	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	29.3	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	29.0	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	28.9	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	28.8	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On
73188	BCNFL PF 115 73192	DRBY J B 115 1	LN	2	28.7	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

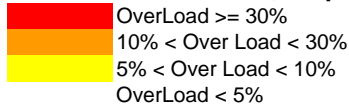
OverLoad >= 30%
 10% < Over Load < 30%
 5% < Over Load < 10%
 OverLoad < 5%

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	387 Line	NE-NY	NHHS
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	28.2	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.3	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.2	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	27.1	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.9	248	1272-1721DCT	3C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.8	248	1272-1721DCT	11C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.6	248	1272-1721DCT	19C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.5	252	1272-1721DCT	24C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.4	252	1272-1721DCT	8C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.3	252	1272-1721DCT	16C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.1	248	1272-1721DCT	20C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.0	248	1272-1721DCT	4C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	2	26.0	248	1272-1721DCT	12C (ESA)	FIX	Recond	700	On		
73192 DRBY J B 115 73705 IND.WELL 115 1	LN	1	2.2	70	1545LINE	12C (ESA)	FIX	Recond	700	On		
73192 DRBY J B 115 73705 IND.WELL 115 1	LN	1	0.5	70	1545LINE	4C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	82.5	259	1416-1880DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	81.1	259	1416-1880DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	80.1	259	1416-1880DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	80.1	255	1416-1880DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	79.0	255	1416-1880DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	25	78.3	255	1416-1880DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	24	76.8	259	1416-1880DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	19	75.5	259	1416-1880DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	16	74.6	255	1416-1880DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	16	74.5	259	1416-1880DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	16	73.3	255	1416-1880DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	16	72.3	255	1416-1880DCT	11C (ESA)	FIX	Recond	700	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	1	9.6	342	DEVON2TSTK	12C (ESA)	FIX	Recond	700	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	1	8.0	342	DEVON2TSTK	4C (ESA)	FIX	Recond	0	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	1	6.1	342	DEVON2TSTK	20C (ESA)	FIX	Recond	-700	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	1	3.2	346	DEVON2TSTK	16C (ESA)	FIX	Recond	700	Off		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	1	1.6	346	DEVON2TSTK	8C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	14.1	465	SGTN7TSTK	17C (ESA)	FIX	Recond	700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	13.4	465	SGTN7TSTK	9C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	13.0	465	SGTN7TSTK	25C (ESA)	FIX	Recond	-700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	12.4	465	SGTN7TSTK	14C (ESA)	FIX	Recond	700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	11.8	465	SGTN7TSTK	6C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	11.4	465	SGTN7TSTK	22C (ESA)	FIX	Recond	-700	Off		

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



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	387 Line	NE-NY	NHHS
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	8.5	461	SGTN7TSTK	13C (ESA)	FIX	Recond	700	On	
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	8.0	461	SGTN7TSTK	5C (ESA)	FIX	Recond	0	On	
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	7.5	461	SGTN7TSTK	21C (ESA)	FIX	Recond	-700	On	
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	6.9	461	SGTN7TSTK	10C (ESA)	FIX	Recond	700	On	
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	6.3	461	SGTN7TSTK	2C (ESA)	FIX	Recond	0	On	
73227	E.MERIDN 115 73633 NO.WALLF 115 1	LN	1	5.9	461	SGTN7TSTK	18C (ESA)	FIX	Recond	-700	On	
73230	HADDAM 115 73231 BOKUM 115 1	LN	1	5.8	92	1620SLINE	17C (ESA)	FIX	Recond	700	Off	
73230	HADDAM 115 73231 BOKUM 115 1	LN	1	4.9	92	1620SLINE	14C (ESA)	FIX	Recond	700	Off	
73230	HADDAM 115 73231 BOKUM 115 1	LN	1	3.1	92	1620SLINE	9C (ESA)	FIX	Recond	0	Off	
73230	HADDAM 115 73231 BOKUM 115 1	LN	1	2.3	92	1620SLINE	6C (ESA)	FIX	Recond	0	Off	
73230	HADDAM 115 73231 BOKUM 115 1	LN	1	0.1	92	1620SLINE	25C (ESA)	FIX	Recond	-700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	125.2	429	TRIANGLE2T	15C (ESA)	FIX	Recond	700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.8	429	TRIANGLE2T	22C (ESA)	FIX	Recond	-700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.7	429	TRIANGLE2T	17C (ESA)	FIX	Recond	700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.6	429	TRIANGLE2T	9C (ESA)	FIX	Recond	0	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.5	429	TRIANGLE2T	6C (ESA)	FIX	Recond	0	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.5	429	TRIANGLE2T	25C (ESA)	FIX	Recond	-700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	124.4	429	TRIANGLE2T	14C (ESA)	FIX	Recond	700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.3	429	TRIANGLE2T	7C (ESA)	FIX	Recond	0	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.3	425	TRIANGLE2T	18C (ESA)	FIX	Recond	-700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.3	429	TRIANGLE2T	23C (ESA)	FIX	Recond	-700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.2	425	TRIANGLE2T	2C (ESA)	FIX	Recond	0	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.2	429	TRIANGLE2T	16C (ESA)	FIX	Recond	700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.1	425	TRIANGLE2T	10C (ESA)	FIX	Recond	700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.1	425	TRIANGLE2T	11C (ESA)	FIX	Recond	700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.1	425	TRIANGLE2T	12C (ESA)	FIX	Recond	700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.1	425	TRIANGLE2T	13C (ESA)	FIX	Recond	700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.0	425	TRIANGLE2T	3C (ESA)	FIX	Recond	0	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.0	425	TRIANGLE2T	5C (ESA)	FIX	Recond	0	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.0	429	TRIANGLE2T	8C (ESA)	FIX	Recond	0	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	122.0	425	TRIANGLE2T	19C (ESA)	FIX	Recond	-700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	121.9	425	TRIANGLE2T	4C (ESA)	FIX	Recond	0	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	121.9	425	TRIANGLE2T	21C (ESA)	FIX	Recond	-700	On	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	121.7	429	TRIANGLE2T	24C (ESA)	FIX	Recond	-700	Off	
73268	MIDDLRIV 115 73176 TRIANGLE 115 1	LN	2	121.3	425	TRIANGLE2T	20C (ESA)	FIX	Recond	-700	On	
73311	DEVSING2 345 73313 SINGDEV2 345 1	LN	3	25.7	463	SINGDEV1	10C (ESA)	FIX	Recond	700	On	
73311	DEVSING2 345 73313 SINGDEV2 345 1	LN	3	23.0	467	SINGDEV1	14C (ESA)	FIX	Recond	700	Off	
73311	DEVSING2 345 73313 SINGDEV2 345 1	LN	3	10.9	463	SINGDEV1	2C (ESA)	FIX	Recond	0	On	

Total No. of Overloads and Highest Overload: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)





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

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	387 Line	NE-NY	NHHS
73311 DEVSING2 345	73313 SINGDEV2 345 1	LN	3	8.0	467	SINGDEV1	6C (ESA)	FIX	Recond	0	Off	
73311 DEVSING2 345	73313 SINGDEV2 345 1	LN	3	4.9	463	SINGDEV1	13C (ESA)	FIX	Recond	700	On	
73311 DEVSING2 345	73313 SINGDEV2 345 1	LN	2	2.7	467	SINGDEV1	17C (ESA)	FIX	Recond	700	Off	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	28.8	462	NORSING1	11C (ESA)	FIX	Recond	700	On	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	24.0	466	NORSING1	15C (ESA)	FIX	Recond	700	Off	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	14.9	462	NORSING1	3C (ESA)	FIX	Recond	0	On	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	14.4	462	NORSING1	12C (ESA)	FIX	Recond	700	On	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	10.3	466	NORSING1	7C (ESA)	FIX	Recond	0	Off	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	9.7	466	NORSING1	16C (ESA)	FIX	Recond	700	Off	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	2	3.7	462	NORSING1	10C (ESA)	FIX	Recond	700	On	
73317 NORSING2 345	73315 SINGNOR2 345 1	LN	1	0.4	462	NORSING1	4C (ESA)	FIX	Recond	0	On	
73669 GRAND AV 115	73681 WEST RIV 115 1	LN	1	5.1	369	GRNDAV2TSTK	13C (ESA)	FIX	Recond	700	On	
73669 GRAND AV 115	73681 WEST RIV 115 1	LN	1	4.5	369	GRNDAV2TSTK	5C (ESA)	FIX	Recond	0	On	
73669 GRAND AV 115	73681 WEST RIV 115 1	LN	1	3.8	369	GRNDAV2TSTK	21C (ESA)	FIX	Recond	-700	On	
73669 GRAND AV 115	73681 WEST RIV 115 2	LN	1	5.1	369	GRNDAV2TSTK	13C (ESA)	FIX	Recond	700	On	
73669 GRAND AV 115	73681 WEST RIV 115 2	LN	1	4.5	369	GRNDAV2TSTK	5C (ESA)	FIX	Recond	0	On	
73669 GRAND AV 115	73681 WEST RIV 115 2	LN	1	3.8	369	GRNDAV2TSTK	21C (ESA)	FIX	Recond	-700	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	2.6	369	GRNDAV2TSTK	21C (ESA)	FIX	Recond	-700	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	2.2	369	GRNDAV2TSTK	18C (ESA)	FIX	Recond	-700	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	1.5	369	GRNDAV2TSTK	5C (ESA)	FIX	Recond	0	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	1.1	369	GRNDAV2TSTK	2C (ESA)	FIX	Recond	0	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	0.6	369	GRNDAV2TSTK	13C (ESA)	FIX	Recond	700	On	
73680 WATER ST 115	73681 WEST RIV 115 1	LN	1	0.1	369	GRNDAV2TSTK	10C (ESA)	FIX	Recond	700	On	
73701 CRRA JCT 115	73703 ASHCREEK 115 1	LN	1	0.1	252	1389-1880DCT	19C (ESA)	FIX	Recond	-700	On	
73701 CRRA JCT 115	73703 ASHCREEK 115 1	LN	1	0.0	252	1389-1880DCT	3C (ESA)	FIX	Recond	0	On	
73701 CRRA JCT 115	73703 ASHCREEK 115 1	LN	1	0.0	252	1389-1880DCT	11C (ESA)	FIX	Recond	700	On	

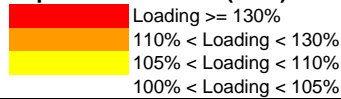
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73106 SOUTHGTN 345 73154 SGTN B 115 2	TR	609.1	263.9	585	104.1	463	SGTN5TSTK	17C (ESA)	FIX	Recond	700	Off		
73106 SOUTHGTN 345 73154 SGTN B 115 2	TR	596	263.2	585	101.9	463	SGTN5TSTK	14C (ESA)	FIX	Recond	700	Off		
73106 SOUTHGTN 345 73154 SGTN B 115 2	TR	592.4	259.4	585	101.3	459	SGTN5TSTK	13C (ESA)	FIX	Recond	700	On		
73106 SOUTHGTN 345 73154 SGTN B 115 2	TR	585.4	258	585	100.1	463	SGTN5TSTK	15C (ESA)	FIX	Recond	700	Off		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1448.9	1082	1446	100.2	455	MONTVSTBKR	17C (ESA)	FIX	Recond	700	Off		
73107 SCOVL RK 345 73114 KLEEN 345 1	LN	1447.4	1082	1446	100.1	219	364+AUTO	17C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	408	SOUTHEND6T	4C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	408	SOUTHEND6T	5C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	412	SOUTHEND6T	8C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	412	SOUTHEND6T	9C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	408	SOUTHEND6T	12C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	408	SOUTHEND6T	13C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	412	SOUTHEND6T	16C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	412	SOUTHEND6T	17C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	408	SOUTHEND6T	20C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	408	SOUTHEND6T	21C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.6	239	124.8	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.5	239	124.8	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	69.9	239	124.8	412	SOUTHEND6T	24C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73163 COS COB 115 1	LN	298.4	70	239	124.8	412	SOUTHEND6T	25C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	408	SOUTHEND6T	4C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	408	SOUTHEND6T	5C (ESA)	FIX	Recond	0	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	412	SOUTHEND6T	8C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	412	SOUTHEND6T	9C (ESA)	FIX	Recond	0	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	408	SOUTHEND6T	12C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	408	SOUTHEND6T	13C (ESA)	FIX	Recond	700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off		





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	412	SOUTHEND6T	16C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	412	SOUTHEND6T	17C (ESA)	FIX	Recond	700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	408	SOUTHEND6T	20C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	408	SOUTHEND6T	21C (ESA)	FIX	Recond	-700	On		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.5	352	102.5	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.4	352	102.5	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	132.9	352	102.5	412	SOUTHEND6T	24C (ESA)	FIX	Recond	-700	Off		
73162 WATERSDE 115 73168 GLNBROOK 115 1	LN	360.8	133	352	102.5	412	SOUTHEND6T	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	423.1	207.4	402	105.3	452	LONGMT5STK	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	412.1	207.4	402	102.5	232	398LINE	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	412.1	207.4	402	102.5	233	398LREAC	25C (ESA)	FIX	Recond	-700	Off		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	411.2	207.4	402	102.3	448	LONGMT5STK	21C (ESA)	FIX	Recond	-700	On		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	402.1	207.4	402	100.0	228	398LINE	21C (ESA)	FIX	Recond	-700	On		
73166 NORHR138 138 73171 NWLK HAR 115 1	TR	402.1	207.4	402	100.0	229	398LREAC	21C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	257	1440-1450DCT	2C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.9	289	123.2	257	1440-1450DCT	3C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.6	289	123.2	257	1440-1450DCT	4C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.7	289	123.2	257	1440-1450DCT	5C (ESA)	FIX	Recond	0	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.5	289	123.2	261	1440-1450DCT	6C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.8	289	123.2	261	1440-1450DCT	7C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.4	289	123.2	261	1440-1450DCT	8C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.6	289	123.2	261	1440-1450DCT	9C (ESA)	FIX	Recond	0	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.7	289	123.2	257	1440-1450DCT	10C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	113	289	123.2	257	1440-1450DCT	11C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.6	289	123.2	257	1440-1450DCT	12C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.8	289	123.2	257	1440-1450DCT	13C (ESA)	FIX	Recond	700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	261	1440-1450DCT	14C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.9	289	123.2	261	1440-1450DCT	15C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.5	289	123.2	261	1440-1450DCT	16C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.6	289	123.2	261	1440-1450DCT	17C (ESA)	FIX	Recond	700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.6	289	123.2	257	1440-1450DCT	18C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.9	289	123.2	257	1440-1450DCT	19C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.5	289	123.2	257	1440-1450DCT	20C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.6	289	123.2	257	1440-1450DCT	21C (ESA)	FIX	Recond	-700	On		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.4	289	123.2	261	1440-1450DCT	22C (ESA)	FIX	Recond	-700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	112.7	289	123.2	261	1440-1450DCT	23C (ESA)	FIX	Recond	-700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	109.4	289	123.2	261	1440-1450DCT	24C (ESA)	FIX	Recond	-700	Off		
73167 SO.END 115 73294 GLNBRK J 115 1	LN	356	108.5	289	123.2	261	1440-1450DCT	25C (ESA)	FIX	Recond	-700	Off		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	455.2	179.9	439	103.7	293	1867-1890DCT	25C (ESA)	FIX	Recond	-700	Off		
73168 GLNBROOK 115 73169 RYTN J A 115 1	LN	453	179.1	439	103.2	293	1867-1890DCT	9C (ESA)	FIX	Recond	0	Off		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73168	GLNBROOK 115 73169	RYTN J A 115 1	LN	451.2	178.3	439	102.8	293	1867-1890DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73169	RYTN J A 115 1	LN	450.7	178.1	439	102.7	289	1867-1890DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73169	RYTN J A 115 1	LN	448.6	177.2	439	102.2	289	1867-1890DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73169	RYTN J A 115 1	LN	446.8	176.5	439	101.8	289	1867-1890DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	431.8	172.2	279	154.8	292	1867-1880DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	430.9	172.1	279	154.4	292	1867-1880DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	430.5	172	279	154.2	292	1867-1880DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	429.6	171.9	279	154.0	288	1867-1880DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	428.8	171.8	279	153.7	288	1867-1880DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	423.2	170.9	279	151.7	292	1867-1880DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	422.4	170.8	279	151.4	292	1867-1880DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	422.2	170.8	279	151.3	292	1867-1880DCT	16C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	422	170.7	279	151.2	288	1867-1880DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	421.1	170.6	279	150.9	288	1867-1880DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	420.9	170.6	279	150.9	288	1867-1880DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	288.6	170.6	279	103.4	255	1416-1880DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	288.1	170.6	279	103.3	255	1416-1880DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	287.7	170.8	279	103.1	259	1416-1880DCT	16C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	287.6	170.7	279	103.1	255	1416-1880DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	287.3	170.8	279	103.0	259	1416-1880DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	286.7	170.9	279	102.8	259	1416-1880DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	282.9	171.8	279	101.4	255	1416-1880DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	282.4	171.9	279	101.2	255	1416-1880DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	282	172	279	101.1	259	1416-1880DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	281.9	172	279	101.0	255	1416-1880DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	281.6	172.1	279	100.9	259	1416-1880DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	281.3	170.6	279	100.8	254	1416-1867DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	280.9	170.6	279	100.7	254	1416-1867DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	281.1	172.2	279	100.7	259	1416-1880DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	280.4	170.8	279	100.5	258	1416-1867DCT	16C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	280.3	170.7	279	100.5	254	1416-1867DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	280	170.8	279	100.3	258	1416-1867DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73237	ELYAVE 115 1	LN	279.4	170.9	279	100.1	258	1416-1867DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	432.7	165.7	289	149.7	295	1880-1890DCT	25C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	430.6	164.9	289	149.0	295	1880-1890DCT	9C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	428.8	164.2	289	148.4	295	1880-1890DCT	17C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	428.4	163.9	289	148.2	291	1880-1890DCT	21C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	426.3	163.1	289	147.5	291	1880-1890DCT	5C (ESA)	FIX	Recond	0	On
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	424.6	162.4	289	146.9	291	1880-1890DCT	13C (ESA)	FIX	Recond	700	On
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	406.4	154.7	289	140.6	295	1880-1890DCT	24C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	404.2	153.9	289	139.9	295	1880-1890DCT	8C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK 115 73271	RYTN J B 115 1	LN	402.5	153.2	289	139.3	295	1880-1890DCT	16C (ESA)	FIX	Recond	700	Off

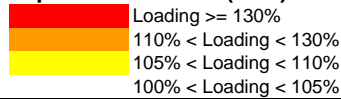
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	402.4	153.1	289	139.3	291	1880-1890DCT	20C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	400.3	152.3	289	138.5	291	1880-1890DCT	4C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	398.5	151.6	289	137.9	291	1880-1890DCT	12C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	353.2	150.1	289	122.2	295	1880-1890DCT	22C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	351	149.2	289	121.5	295	1880-1890DCT	6C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	349.4	148.5	289	120.9	295	1880-1890DCT	14C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	348.7	148.2	289	120.7	291	1880-1890DCT	18C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	346.8	147.4	289	120.0	291	1880-1890DCT	2C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	345.2	146.8	289	119.5	291	1880-1890DCT	10C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	342.4	145.5	289	118.5	295	1880-1890DCT	23C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	340.4	144.7	289	117.8	295	1880-1890DCT	7C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	338.8	144.1	289	117.2	295	1880-1890DCT	15C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	338.1	143.7	289	117.0	291	1880-1890DCT	19C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	336.1	142.9	289	116.3	291	1880-1890DCT	3C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	334.6	142.3	289	115.8	291	1880-1890DCT	11C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	334.7	150.1	289	115.8	259	1416-1880DCT	22C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	334.1	149.2	289	115.6	259	1416-1880DCT	6C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	333.7	148.5	289	115.5	259	1416-1880DCT	14C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	333.3	148.2	289	115.3	255	1416-1880DCT	18C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	333	147.4	289	115.2	255	1416-1880DCT	2C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	332.8	146.8	289	115.2	255	1416-1880DCT	10C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	331.6	145.5	289	114.8	259	1416-1880DCT	23C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	331.3	144.7	289	114.6	259	1416-1880DCT	7C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	331	144.1	289	114.5	259	1416-1880DCT	15C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	330.5	143.7	289	114.3	255	1416-1880DCT	19C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	330.1	142.9	289	114.2	255	1416-1880DCT	3C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	329.8	142.3	289	114.1	255	1416-1880DCT	11C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	306.7	150.1	289	106.1	296	1880-1977DCT	22C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	306.2	149.2	289	105.9	296	1880-1977DCT	6C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	305.7	148.5	289	105.8	296	1880-1977DCT	14C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	305.3	148.2	289	105.7	292	1880-1977DCT	18C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	305	147.4	289	105.5	292	1880-1977DCT	2C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	304.8	146.8	289	105.5	292	1880-1977DCT	10C (ESA)	FIX	Recond	700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	303.7	145.5	289	105.1	296	1880-1977DCT	23C (ESA)	FIX	Recond	-700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	303.3	144.7	289	104.9	296	1880-1977DCT	7C (ESA)	FIX	Recond	0	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	303	144.1	289	104.8	296	1880-1977DCT	15C (ESA)	FIX	Recond	700	Off
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	302.5	143.7	289	104.7	292	1880-1977DCT	19C (ESA)	FIX	Recond	-700	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	302.1	142.9	289	104.5	292	1880-1977DCT	3C (ESA)	FIX	Recond	0	On
73168	GLNBROOK	115 73271 RYTN J B 115 1	LN	301.8	142.3	289	104.4	292	1880-1977DCT	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A	115 73171 NWLK HAR 115 1	LN	394.9	176.4	274	144.1	289	1867-1890DCT	12C (ESA)	FIX	Recond	700	On
73169	RYTN J A	115 73171 NWLK HAR 115 1	LN	394.6	173.9	274	144.0	293	1867-1890DCT	16C (ESA)	FIX	Recond	700	Off
73169	RYTN J A	115 73171 NWLK HAR 115 1	LN	393.6	175.3	274	143.7	289	1867-1890DCT	4C (ESA)	FIX	Recond	0	On
73169	RYTN J A	115 73171 NWLK HAR 115 1	LN	393.8	174.1	274	143.7	289	1867-1890DCT	20C (ESA)	FIX	Recond	-700	On

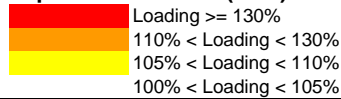
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	393.5	172.9	274	143.6	293	1867-1890DCT	8C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	393.2	171.6	274	143.5	293	1867-1890DCT	24C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	392	158.2	274	143.1	289	1867-1890DCT	21C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.9	159.5	274	143.0	289	1867-1890DCT	5C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.8	160.5	274	143.0	289	1867-1890DCT	13C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.8	155.6	274	143.0	293	1867-1890DCT	25C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.6	156.9	274	142.9	293	1867-1890DCT	9C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73171 NWLK HAR 115 1	LN	391.5	158	274	142.9	293	1867-1890DCT	17C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	474.8	249.7	256	185.5	258	1416-1867DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	471.3	247.4	256	184.1	258	1416-1867DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	468.8	245.7	256	183.1	258	1416-1867DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	468.6	245	256	183.1	254	1416-1867DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	465.8	243.1	256	181.9	254	1416-1867DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	464	241.8	256	181.3	254	1416-1867DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	461.8	249.7	256	180.4	293	1867-1890DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	460.2	238.7	256	179.8	258	1416-1867DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	458.7	247.4	256	179.2	293	1867-1890DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	457.1	236.5	256	178.5	258	1416-1867DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	456.7	245	256	178.4	289	1867-1890DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	456.4	245.7	256	178.3	293	1867-1890DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	454.6	234.9	256	177.6	258	1416-1867DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	454.6	234.3	256	177.6	254	1416-1867DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	454	243.1	256	177.3	289	1867-1890DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	452.5	241.8	256	176.7	289	1867-1890DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	451.5	232.2	256	176.4	254	1416-1867DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449.7	238.7	256	175.7	293	1867-1890DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	449	230.5	256	175.4	254	1416-1867DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	447.8	249.7	256	174.9	294	1867-1977DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	446.8	236.5	256	174.5	293	1867-1890DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	445.1	234.3	256	173.9	289	1867-1890DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	444.4	247.4	256	173.6	294	1867-1977DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	444.3	234.9	256	173.6	293	1867-1890DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	442.1	232.2	256	172.7	289	1867-1890DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	441.9	245.7	256	172.6	294	1867-1977DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	441.7	245	256	172.6	290	1867-1977DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	439.6	230.5	256	171.7	289	1867-1890DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	438.9	243.1	256	171.4	290	1867-1977DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	437.2	241.8	256	170.8	290	1867-1977DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	433.4	238.7	256	169.3	294	1867-1977DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	430.3	236.5	256	168.1	294	1867-1977DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	427.8	234.9	256	167.1	294	1867-1977DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	427.8	234.3	256	167.1	290	1867-1977DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	424.7	232.2	256	165.9	290	1867-1977DCT	3C (ESA)	FIX	Recond	0	On		

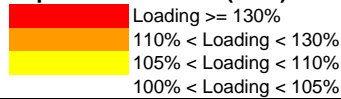
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	422.2	230.5	256	164.9	290	1867-1977DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	413.8	249.7	256	161.6	55	1389LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	409.8	247.4	256	160.1	55	1389LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.8	245.7	256	158.9	55	1389LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.6	245	256	158.8	51	1389LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	406.4	249.7	256	158.8	246	113091001DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	405.2	247.4	256	158.3	246	113091001DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	404.4	245.7	256	158.0	246	113091001DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	404.5	245	256	158.0	242	113091001DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.7	243.1	256	157.7	242	113091001DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.6	241.8	256	157.6	242	113091001DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	403.1	243.1	256	157.4	51	1389LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	401.9	238.7	256	157.0	246	113091001DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	400.9	236.5	256	156.6	246	113091001DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	400.6	241.8	256	156.5	51	1389LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	400.4	234.3	256	156.4	242	113091001DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	400.2	234.9	256	156.3	246	113091001DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	399.4	232.2	256	156.0	242	113091001DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	398.6	230.5	256	155.7	242	113091001DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	396.9	249.7	256	155.0	366	FLAXHILL2T	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	396.6	238.7	256	154.9	55	1389LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	393.1	247.4	256	153.6	366	FLAXHILL2T	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	392.8	236.5	256	153.4	55	1389LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	390.3	245.7	256	152.5	366	FLAXHILL2T	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.8	245	256	152.3	362	FLAXHILL2T	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.9	234.3	256	152.3	51	1389LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	389.7	234.9	256	152.2	55	1389LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	386.5	243.1	256	151.0	362	FLAXHILL2T	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	386.1	232.2	256	150.8	51	1389LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	384.2	241.8	256	150.1	362	FLAXHILL2T	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	382.9	230.5	256	149.6	51	1389LINE	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	382.8	249.7	256	149.5	153	1867LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	382.8	249.7	256	149.5	396	NORWLKHAR7T	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	380.1	238.7	256	148.5	366	FLAXHILL2T	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	378.9	247.4	256	148.0	153	1867LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	378.9	247.4	256	148.0	396	NORWLKHAR7T	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	376.4	236.5	256	147.0	366	FLAXHILL2T	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	376	245.7	256	146.9	153	1867LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	376	245.7	256	146.9	396	NORWLKHAR7T	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.7	245	256	146.7	149	1867LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	375.7	245	256	146.7	392	NORWLKHAR7T	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	373.4	234.9	256	145.9	366	FLAXHILL2T	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	373.4	234.3	256	145.9	362	FLAXHILL2T	19C (ESA)	FIX	Recond	-700	On		





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	373.3	249.7	256	145.8	245	1130-1430DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.2	243.1	256	145.4	149	1867LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.2	243.1	256	145.4	392	NORWLKHAR7T	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	372.2	247.4	256	145.4	245	1130-1430DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.5	245.7	256	145.1	245	1130-1430DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371.3	245	256	145.0	241	1130-1430DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	371	249.7	256	144.9	260	1416-1890DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.7	243.1	256	144.8	241	1130-1430DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370.7	241.8	256	144.8	241	1130-1430DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	370	247.4	256	144.5	260	1416-1890DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.9	241.8	256	144.5	149	1867LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.9	241.8	256	144.5	392	NORWLKHAR7T	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.8	232.2	256	144.4	362	FLAXHILL2T	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.4	245.7	256	144.3	260	1416-1890DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369.1	245	256	144.2	256	1416-1890DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	369	238.7	256	144.1	245	1130-1430DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.6	243.1	256	144.0	256	1416-1890DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.6	241.8	256	144.0	256	1416-1890DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	368.2	236.5	256	143.8	245	1130-1430DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.6	234.9	256	143.6	245	1130-1430DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	367.4	234.3	256	143.5	241	1130-1430DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.8	230.5	256	143.3	362	FLAXHILL2T	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.9	238.7	256	143.3	260	1416-1890DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.7	232.2	256	143.2	241	1130-1430DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.1	236.5	256	143.0	260	1416-1890DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	366.1	230.5	256	143.0	241	1130-1430DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	365.8	238.7	256	142.9	153	1867LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	365.8	238.7	256	142.9	396	NORWLKHAR7T	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	365.6	234.9	256	142.8	260	1416-1890DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	365.4	234.3	256	142.7	256	1416-1890DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.6	232.2	256	142.4	256	1416-1890DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	364.1	230.5	256	142.2	256	1416-1890DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	362.1	236.5	256	141.4	153	1867LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	362.1	236.5	256	141.4	396	NORWLKHAR7T	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	359.1	234.9	256	140.3	153	1867LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	359.1	234.9	256	140.3	396	NORWLKHAR7T	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	359.2	234.3	256	140.3	149	1867LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	359.2	234.3	256	140.3	392	NORWLKHAR7T	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	355.4	232.2	256	138.8	149	1867LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	355.4	232.2	256	138.8	392	NORWLKHAR7T	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	352.4	230.5	256	137.7	149	1867LINE	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	352.4	230.5	256	137.7	392	NORWLKHAR7T	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	347.3	249.7	256	135.7	297	1890-1977DCT	22C (ESA)	FIX	Recond	-700	Off		

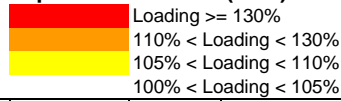
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	346.4	247.4	256	135.3	297	1890-1977DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345.8	245.7	256	135.1	297	1890-1977DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345.5	245	256	134.9	293	1890-1977DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345	243.1	256	134.8	293	1890-1977DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	345	241.8	256	134.8	293	1890-1977DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	343.3	238.7	256	134.1	297	1890-1977DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	342.6	236.5	256	133.8	297	1890-1977DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	342.1	234.9	256	133.6	297	1890-1977DCT	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	341.8	234.3	256	133.5	293	1890-1977DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	341.1	232.2	256	133.2	293	1890-1977DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	340.5	230.5	256	133.0	293	1890-1977DCT	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	323	249.7	256	126.2	199	91001LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	321.1	247.4	256	125.4	199	91001LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	319.8	245.7	256	124.9	199	91001LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	319.5	245	256	124.8	195	91001LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	318	243.1	256	124.2	195	91001LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	317.2	241.8	256	123.9	195	91001LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	314.9	238.7	256	123.0	199	91001LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	313.2	236.5	256	122.3	199	91001LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	311.9	234.9	256	121.8	199	91001LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	311.8	234.3	256	121.8	195	91001LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	310.1	232.2	256	121.1	195	91001LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	308.7	230.5	256	120.6	195	91001LINE	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	303.3	249.7	256	118.5	28	1130LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	302.5	249.7	256	118.1	399	PEQUON12TSTK	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	301.9	249.7	256	117.9	327	ASHCREEKBKR	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	301.4	247.4	256	117.7	28	1130LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	300.4	247.4	256	117.4	399	PEQUON12TSTK	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	300.2	247.4	256	117.3	327	ASHCREEKBKR	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	300	245.7	256	117.2	28	1130LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299.5	245	256	117.0	24	1130LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299	245.7	256	116.8	327	ASHCREEKBKR	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	299	245.7	256	116.8	399	PEQUON12TSTK	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	249.7	249.7	214	116.7	**	Base Case	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298.4	245	256	116.6	323	ASHCREEKBKR	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	298	243.1	256	116.4	24	1130LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297.6	245	256	116.3	395	PEQUON12TSTK	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297.1	243.1	256	116.1	323	ASHCREEKBKR	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297.1	241.8	256	116.1	24	1130LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	297	249.7	256	116.0	59	1430LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.5	241.8	256	115.8	323	ASHCREEKBKR	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	296.1	243.1	256	115.6	395	PEQUON12TSTK	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	247.4	247.4	214	115.6	**	Base Case	6C (ESA)	FIX	Recond	0	Off		

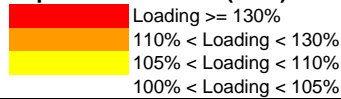
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.2	247.4	256	115.3	59	1430LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	295.2	241.8	256	115.3	395	PEQUON12TSTK	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294.5	238.7	256	115.0	28	1130LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	245.7	245.7	214	114.8	**	Base Case	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	294	245.7	256	114.8	59	1430LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.8	249.7	256	114.8	29	1130+1416LNS	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.9	238.7	256	114.8	327	ASHCREEKBKR	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	293.5	245	256	114.7	55	1430LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	245	245	214	114.5	**	Base Case	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.8	236.5	256	114.4	28	1130LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.4	236.5	256	114.2	327	ASHCREEKBKR	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.2	243.1	256	114.1	55	1430LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	292.2	249.7	256	114.1	409	SASCOCRIT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.9	247.4	256	114.0	29	1130+1416LNS	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.9	249.7	256	114.0	371	GLENBROOK8T	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	241.8	256	113.9	55	1430LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.6	249.7	256	113.9	58	1416LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	249.7	256	113.9	158	1890LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	249.7	256	113.9	392	NORWLKHARIT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.5	238.7	256	113.9	399	PEQUON12TSTK	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.4	234.9	256	113.8	28	1130LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291.3	234.9	256	113.8	327	ASHCREEKBKR	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	291	234.3	256	113.7	24	1130LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	243.1	243.1	214	113.6	**	Base Case	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.8	234.3	256	113.6	323	ASHCREEKBKR	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.5	247.4	256	113.5	409	SASCOCRIT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.5	245.7	256	113.5	29	1130+1416LNS	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.5	249.7	256	113.5	299	1460-387DCT	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.4	249.7	256	113.4	228	387LINE	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290.1	247.4	256	113.3	371	GLENBROOK8T	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	290	245	256	113.3	25	1130+1416LNS	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.7	247.4	256	113.2	58	1416LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.8	247.4	256	113.2	158	1890LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.8	247.4	256	113.2	392	NORWLKHARIT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.8	236.5	256	113.2	399	PEQUON12TSTK	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.3	232.2	256	113.0	24	1130LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.3	232.2	256	113.0	323	ASHCREEKBKR	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	241.8	241.8	214	113.0	**	Base Case	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.3	245.7	256	113.0	409	SASCOCRIT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.9	245.7	256	112.9	371	GLENBROOK8T	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	289.1	238.7	256	112.9	59	1430LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.8	245	256	112.8	405	SASCOCRIT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.5	243.1	256	112.7	25	1130+1416LNS	2C (ESA)	FIX	Recond	0	On		

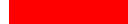



List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.6	245.7	256	112.7	158	1890LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.6	245.7	256	112.7	392	NORWLKHARIT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.4	245	256	112.7	367	GLENBROOK8T	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.2	230.5	256	112.6	323	ASHCREEKBKR	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.4	245.7	256	112.6	58	1416LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.4	234.9	256	112.6	399	PEQUON12TSTK	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288	230.5	256	112.5	24	1130LINE	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.1	245	256	112.5	154	1890LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288	245	256	112.5	295	1460-387DCT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	288.1	245	256	112.5	388	NORWLKHARIT	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.6	247.4	256	112.4	228	387LINE	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.7	247.4	256	112.4	299	1460-387DCT	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.7	241.8	256	112.4	25	1130+1416LNS	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.9	245	256	112.4	54	1416LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.7	245	256	112.4	224	387LINE	18C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.4	243.1	256	112.3	405	SASCOCR1T	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.6	236.5	256	112.3	59	1430LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.2	234.3	256	112.2	395	PEQUON12TSTK	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	287.1	243.1	256	112.1	367	GLENBROOK8T	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.8	243.1	256	112.0	154	1890LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.8	243.1	256	112.0	388	NORWLKHARIT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.8	241.8	256	112.0	405	SASCOCR1T	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.3	243.1	256	111.9	54	1416LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.4	241.8	256	111.9	367	GLENBROOK8T	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.4	234.9	256	111.9	59	1430LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.1	241.8	256	111.7	154	1890LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.1	241.8	256	111.7	388	NORWLKHARIT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	286.1	234.3	256	111.7	55	1430LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.4	243.1	256	111.5	224	387LINE	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.6	243.1	256	111.5	295	1460-387DCT	2C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.4	232.2	256	111.5	395	PEQUON12TSTK	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.5	241.8	256	111.5	54	1416LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.5	245.7	256	111.5	228	387LINE	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285.5	245.7	256	111.5	299	1460-387DCT	14C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	238.7	238.7	214	111.5	**	Base Case	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	285	238.7	256	111.3	29	1130+1416LNS	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.5	232.2	256	111.1	55	1430LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284.4	238.7	256	111.1	409	SASCOCR1T	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.8	241.8	256	110.9	295	1460-387DCT	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284	230.5	256	110.9	395	PEQUON12TSTK	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	284	238.7	256	110.9	371	GLENBROOK8T	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.6	241.8	256	110.8	224	387LINE	10C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.7	238.7	256	110.8	158	1890LINE	23C (ESA)	FIX	Recond	-700	Off		

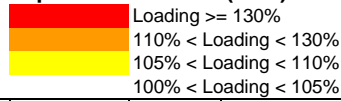
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.7	238.7	256	110.8	392	NORWLKHAR1T	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.3	236.5	256	110.7	29	1130+1416LNS	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283.3	230.5	256	110.7	55	1430LINE	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	236.5	236.5	214	110.5	**	Base Case	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.9	236.5	256	110.5	409	SASCOCR1T	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.9	238.7	256	110.5	58	1416LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.9	238.7	256	110.5	228	387LINE	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	283	238.7	256	110.5	299	1460-387DCT	23C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.5	236.5	256	110.3	371	GLENBROOK8T	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.2	236.5	256	110.2	158	1890LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282.2	236.5	256	110.2	392	NORWLKHAR1T	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	282	234.9	256	110.2	29	1130+1416LNS	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.7	234.9	256	110.0	409	SASCOCR1T	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.6	234.3	256	110.0	25	1130+1416LNS	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.5	249.7	256	110.0	344	DARIEN1T	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.2	236.5	256	109.9	58	1416LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.3	234.9	256	109.9	371	GLENBROOK8T	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281.3	234.3	256	109.9	405	SASCOCR1T	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281	234.9	256	109.8	158	1890LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	281	234.9	256	109.8	392	NORWLKHAR1T	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	234.9	234.9	214	109.7	**	Base Case	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.9	234.3	256	109.7	295	1460-387DCT	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.9	234.3	256	109.7	367	GLENBROOK8T	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.6	234.3	256	109.6	154	1890LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.7	234.3	256	109.6	224	387LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.6	234.3	256	109.6	388	NORWLKHAR1T	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.4	236.5	256	109.5	228	387LINE	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	280.4	236.5	256	109.5	299	1460-387DCT	7C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	234.3	234.3	214	109.5	**	Base Case	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.9	232.2	256	109.3	25	1130+1416LNS	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.8	232.2	256	109.3	405	SASCOCR1T	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.7	247.4	256	109.3	344	DARIEN1T	6C (ESA)	FIX	Recond	0	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.9	234.9	256	109.3	58	1416LINE	15C (ESA)	FIX	Recond	700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.5	234.3	256	109.2	54	1416LINE	19C (ESA)	FIX	Recond	-700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.4	232.2	256	109.1	367	GLENBROOK8T	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.1	232.2	256	109.0	154	1890LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	279.1	232.2	256	109.0	388	NORWLKHAR1T	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.6	230.5	256	108.8	25	1130+1416LNS	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.6	230.5	256	108.8	405	SASCOCR1T	11C (ESA)	FIX	Recond	700	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.6	249.7	256	108.8	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.2	232.2	256	108.7	224	387LINE	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.4	232.2	256	108.7	295	1460-387DCT	3C (ESA)	FIX	Recond	0	On		
73169 RYTN J A 115 73172 NORWALK 115 1	LN	278.2	230.5	256	108.7	367	GLENBROOK8T	11C (ESA)	FIX	Recond	700	On		

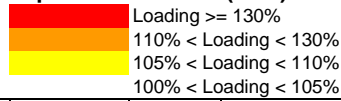
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169	RYTN J A 115 73172 NORWALK 115 1	LN	278.4	245.7	256	108.7	344	DARIEN1T	14C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	278.3	234.9	256	108.7	228	387LINE	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	278.3	234.9	256	108.7	299	1460-387DCT	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	277.9	230.5	256	108.6	154	1890LINE	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	277.9	230.5	256	108.6	388	NORWLKHAR1T	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	277.9	249.7	256	108.6	164	1977LINENEW	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	232.2	232.2	214	108.5	**	Base Case	3C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	277.8	232.2	256	108.5	54	1416LINE	3C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	277.7	245	256	108.5	340	DARIEN1T	18C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.7	247.4	256	108.1	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.5	230.5	256	108.0	54	1416LINE	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.3	243.1	256	107.9	340	DARIEN1T	2C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.1	230.5	256	107.9	224	387LINE	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.3	230.5	256	107.9	295	1460-387DCT	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	276.1	247.4	256	107.8	164	1977LINENEW	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	230.5	230.5	214	107.7	**	Base Case	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	275.5	241.8	256	107.6	340	DARIEN1T	10C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	275.4	245.7	256	107.6	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	274.7	245.7	256	107.3	164	1977LINENEW	14C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	274.8	245	256	107.3	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	274.1	245	256	107.1	160	1977LINENEW	18C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	273.3	243.1	256	106.8	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	272.8	238.7	256	106.6	344	DARIEN1T	23C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	272.7	243.1	256	106.5	160	1977LINENEW	2C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	272.5	241.8	256	106.4	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	271.8	241.8	256	106.2	160	1977LINENEW	10C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	271.2	236.5	256	105.9	344	DARIEN1T	7C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	270.3	249.7	256	105.6	458	SCOVK5TSTK	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	270	234.9	256	105.5	344	DARIEN1T	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	269.8	238.7	256	105.4	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	269.3	234.3	256	105.2	340	DARIEN1T	19C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	269.2	238.7	256	105.1	164	1977LINENEW	23C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	268.9	249.7	256	105.0	411	SOUTHEND5T	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	268.2	236.5	256	104.8	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	267.8	232.2	256	104.6	340	DARIEN1T	3C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	267.5	247.4	256	104.5	458	SCOVK5TSTK	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	267.5	236.5	256	104.5	164	1977LINENEW	7C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	267.6	245	256	104.5	454	SCOVK5TSTK	18C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	267.1	247.4	256	104.3	411	SOUTHEND5T	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	266.9	234.9	256	104.3	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	266.9	245.7	256	104.2	202	312LLINE	14C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	266.9	245.7	256	104.2	203	312+393LNS	14C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	266.9	245.7	256	104.2	204	312+393REAC	14C (ESA)	FIX	Recond	700	Off	

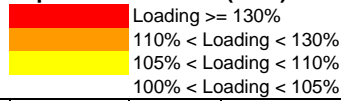
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.6	230.5	256	104.1	340	DARIEN1T	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.6	245.7	256	104.1	456	NOMNTSTBKR	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.6	245.7	256	104.1	457	NMSTBKREAC	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.4	234.3	256	104.1	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.2	234.9	256	104.0	164	1977LINENEW	15C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	266.3	249.7	256	104.0	474	SNGPEQ-XFR	22C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.8	245.7	256	103.8	411	SOUTHEND5T	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.7	234.3	256	103.8	160	1977LINENEW	19C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.4	245.7	256	103.7	458	SCOVK5TSTK	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.1	243.1	256	103.6	454	SCOVK5TSTK	2C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.1	245	256	103.6	407	SOUTHEND5T	18C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	265.2	249.7	256	103.6	298	8100-8200DCT	22C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	264.8	232.2	256	103.4	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	264.5	245.7	256	103.3	229	393LINE	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	264.1	232.2	256	103.2	160	1977LINENEW	3C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	263.7	243.1	256	103.0	407	SOUTHEND5T	2C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	263.8	247.4	256	103.0	474	SNGPEQ-XFR	6C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	263.7	245	256	103.0	294	8100-8200DCT	18C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	263.3	241.8	256	102.9	454	SCOVK5TSTK	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	263.5	230.5	256	102.9	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.9	247.4	256	102.7	298	8100-8200DCT	6C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.9	241.8	256	102.7	407	SOUTHEND5T	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.8	230.5	256	102.7	160	1977LINENEW	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.6	234.9	256	102.6	232	398LINE	15C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.6	234.9	256	102.6	233	398LREAC	15C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262.8	238.7	256	102.6	458	SCOVK5TSTK	23C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.8	241.8	256	102.3	198	312LINE	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.8	241.8	256	102.3	199	312+393LNS	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.9	241.8	256	102.3	200	312+393REAC	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262	230.5	256	102.3	228	398LINE	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	262	230.5	256	102.3	229	398LREAC	11C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.9	245.7	256	102.3	474	SNGPEQ-XFR	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.7	243.1	256	102.2	294	8100-8200DCT	2C (ESA)	FIX	Recond	0	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.6	241.8	256	102.2	452	NOMNTSTBKR	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.6	241.8	256	102.2	453	NMSTBKREAC	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	261.2	245.7	256	102.0	298	8100-8200DCT	14C (ESA)	FIX	Recond	700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	260.5	241.8	256	101.8	294	8100-8200DCT	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	260.4	234.3	256	101.7	454	SCOVK5TSTK	19C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	260.3	238.7	256	101.7	411	SOUTHEND5T	23C (ESA)	FIX	Recond	-700	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	260.1	236.5	256	101.6	458	SCOVK5TSTK	7C (ESA)	FIX	Recond	0	Off
73169	RYTN J A 115 73172 NORWALK	115 1	LN	260.2	245	256	101.6	470	SNGPEQ-XFR	18C (ESA)	FIX	Recond	-700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	259.5	241.8	256	101.4	225	393LINE	10C (ESA)	FIX	Recond	700	On
73169	RYTN J A 115 73172 NORWALK	115 1	LN	259.5	249.7	256	101.4	254	1310-1763DCT	22C (ESA)	FIX	Recond	-700	Off

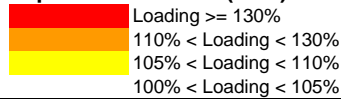
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73169	RYTN J A 115 73172 NORWALK 115 1	LN	258.9	249.7	256	101.2	356	DEVON24TSTK	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	258.7	236.5	256	101.0	411	SOUTHEND5T	7C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	258.1	243.1	256	100.8	470	SNGPEQ-XFR	2C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.8	232.2	256	100.7	454	SCOVK5TSTK	3C (ESA)	FIX	Recond	0	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.9	234.9	256	100.7	458	SCOVK5TSTK	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	247.4	256	100.6	456	NOMNSTBKBR	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	247.4	256	100.6	457	NMSTBKREAC	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	230.5	256	100.6	448	LONGMT5TSTK	11C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	234.9	256	100.6	411	SOUTHEND5T	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	247.4	256	100.5	202	312LINE	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	247.4	256	100.5	203	312+393LNS	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.4	247.4	256	100.5	204	312+393REAC	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257.2	247.4	256	100.5	254	1310-1763DCT	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	257	234.9	256	100.4	452	LONGMT5TSTK	15C (ESA)	FIX	Recond	700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.7	247.4	256	100.3	356	DEVON24TSTK	6C (ESA)	FIX	Recond	0	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.8	241.8	256	100.3	470	SNGPEQ-XFR	10C (ESA)	FIX	Recond	700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.8	234.3	256	100.3	407	SOUTHEND5T	19C (ESA)	FIX	Recond	-700	On	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.7	249.7	256	100.3	426	STEVENSNSTK	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.3	249.7	256	100.1	247	1163-1550D-2	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.2	249.7	256	100.1	289	1800-1810DCT	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.2	249.7	256	100.1	422	SOTHNGTN24T	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256.3	249.7	256	100.1	425	SOTHNGTN28T	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256	249.7	256	100.0	287	1770-1887DCT	22C (ESA)	FIX	Recond	-700	Off	
73169	RYTN J A 115 73172 NORWALK 115 1	LN	256	249.7	256	100.0	427	STONYHLLLT	22C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	251.6	79.6	138	182.3	430	TRIANGLE3T	15C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	250.2	79.2	138	181.3	430	TRIANGLE3T	22C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	249.2	79.2	138	180.6	430	TRIANGLE3T	17C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	248.9	79.2	138	180.3	430	TRIANGLE3T	9C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	248.7	79.1	138	180.2	430	TRIANGLE3T	25C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	248.6	79.1	138	180.1	430	TRIANGLE3T	6C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	248.1	79.1	138	179.8	430	TRIANGLE3T	14C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	239.6	79.4	138	173.6	426	TRIANGLE3T	18C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	239.2	79.5	138	173.4	430	TRIANGLE3T	7C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	239.3	79.5	138	173.4	430	TRIANGLE3T	23C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	239.2	79.4	138	173.3	426	TRIANGLE3T	2C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238.7	79.4	138	173.0	426	TRIANGLE3T	10C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238.7	79.6	138	173.0	430	TRIANGLE3T	16C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238.4	79.5	138	172.7	426	TRIANGLE3T	11C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238.2	79.5	138	172.6	426	TRIANGLE3T	12C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238.2	79.4	138	172.6	426	TRIANGLE3T	13C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238	79.4	138	172.5	426	TRIANGLE3T	3C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	238	79.4	138	172.5	426	TRIANGLE3T	19C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	237.7	79.3	138	172.2	426	TRIANGLE3T	5C (ESA)	FIX	Recond	0	On	

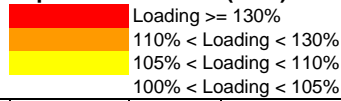
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS	
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	237.4	79.5	138	172.1	430	TRIANGLE3T	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	237.3	79.3	138	172.0	426	TRIANGLE3T	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	236.8	79.4	138	171.6	426	TRIANGLE3T	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	236	79.3	138	171.0	430	TRIANGLE3T	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	235.2	79.3	138	170.4	426	TRIANGLE3T	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138	104.7	32	1165LINE	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.5	79.5	138	104.7	28	1165LINE	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.5	79.6	138	104.7	32	1165LINE	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.5	79.6	138	104.7	32	1165LINE	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.3	79.5	138	104.6	32	1165LINE	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138	104.6	28	1165LINE	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.4	79.5	138	104.6	32	1165LINE	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.3	79.4	138	104.5	28	1165LINE	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.2	79.4	138	104.5	28	1165LINE	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144.1	79.3	138	104.4	28	1165LINE	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144	79.3	138	104.4	28	1165LINE	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144	79.3	138	104.4	32	1165LINE	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	144	79.3	138	104.3	28	1165LINE	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.8	79.2	138	104.2	32	1165LINE	17C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.8	79.2	138	104.2	32	1165LINE	22C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.6	79.1	138	104.1	32	1165LINE	6C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.7	79.2	138	104.1	32	1165LINE	9C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.6	79.1	138	104.1	32	1165LINE	25C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	143.5	79.1	138	104.0	32	1165LINE	14C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.8	79.6	138	100.6	405	PLUMTREE31T	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.5	138	100.5	405	PLUMTREE31T	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.5	138	100.5	401	PLUMTREE31T	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.7	79.6	138	100.5	405	PLUMTREE31T	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138	100.5	405	PLUMTREE31T	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.5	79.4	138	100.4	401	PLUMTREE31T	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.5	79.5	138	100.4	405	PLUMTREE31T	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.6	79.5	138	100.4	401	PLUMTREE31T	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138	100.3	401	PLUMTREE31T	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.5	79.4	138	100.3	401	PLUMTREE31T	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138	100.3	401	PLUMTREE31T	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138	100.3	401	PLUMTREE31T	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.4	79.4	138	100.3	401	PLUMTREE31T	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115	73176 TRIANGLE 115	1	LN	138.5	79.4	138	100.3	401	PLUMTREE31T	19C (ESA)	FIX	Recond	-700	On

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	401	PLUMTREE31T	5C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	401	PLUMTREE31T	20C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.3	79.3	138	100.2	405	PLUMTREE31T	24C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.2	79.3	138	100.1	401	PLUMTREE31T	21C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 1	LN	138.1	79.2	138	100.0	405	PLUMTREE31T	22C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	224	84.1	166	135.0	239	1060-1270DCT	15C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	224	84.1	166	135.0	239	1060-1270DCT	16C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.9	84.1	166	134.9	239	1060-1270DCT	7C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.9	84.1	166	134.9	235	1060-1270DCT	12C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.7	84	166	134.8	239	1060-1270DCT	8C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.8	84	166	134.8	235	1060-1270DCT	11C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.8	84	166	134.8	239	1060-1270DCT	23C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	83.9	166	134.7	235	1060-1270DCT	2C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.7	84	166	134.7	235	1060-1270DCT	3C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	84	166	134.7	235	1060-1270DCT	4C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	83.9	166	134.7	235	1060-1270DCT	10C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	83.9	166	134.7	235	1060-1270DCT	13C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	83.9	166	134.7	235	1060-1270DCT	18C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.6	83.9	166	134.7	235	1060-1270DCT	19C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.4	83.9	166	134.6	235	1060-1270DCT	5C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.9	166	134.5	235	1060-1270DCT	20C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.8	166	134.5	235	1060-1270DCT	21C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.3	83.9	166	134.5	239	1060-1270DCT	24C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223	83.7	166	134.4	239	1060-1270DCT	17C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	223.1	83.8	166	134.4	239	1060-1270DCT	22C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.9	83.7	166	134.3	239	1060-1270DCT	9C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.8	83.7	166	134.2	239	1060-1270DCT	6C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.7	83.6	166	134.2	239	1060-1270DCT	14C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73176 TRIANGLE 115 2	LN	222.8	83.7	166	134.2	239	1060-1270DCT	25C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	360.8	58	126	286.4	429	TRIANGLE2T	15C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.9	57.8	126	285.7	429	TRIANGLE2T	22C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.7	57.8	126	285.5	429	TRIANGLE2T	17C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.6	57.7	126	285.4	429	TRIANGLE2T	9C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.5	57.7	126	285.3	429	TRIANGLE2T	6C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.5	57.7	126	285.3	429	TRIANGLE2T	25C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	359.3	57.7	126	285.2	429	TRIANGLE2T	14C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.8	58	126	283.2	429	TRIANGLE2T	16C (ESA)	FIX	Recond	700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.7	58	126	283.1	429	TRIANGLE2T	7C (ESA)	FIX	Recond	0	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.7	57.9	126	283.1	425	TRIANGLE2T	18C (ESA)	FIX	Recond	-700	On	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.7	58	126	283.1	429	TRIANGLE2T	23C (ESA)	FIX	Recond	-700	Off	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.5	57.9	126	283.0	425	TRIANGLE2T	2C (ESA)	FIX	Recond	0	On	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.5	58	126	283.0	425	TRIANGLE2T	11C (ESA)	FIX	Recond	700	On	
73170	PLUMTREE 115 73268 MDDLRLV 115 1	LN	356.6	58	126	283.0	425	TRIANGLE2T	12C (ESA)	FIX	Recond	700	On	

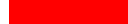



List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.4	57.9	126	282.9	425	TRIANGLE2T	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.4	57.9	126	282.8	425	TRIANGLE2T	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.3	58	126	282.8	429	TRIANGLE2T	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.4	57.9	126	282.8	425	TRIANGLE2T	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.3	57.9	126	282.8	425	TRIANGLE2T	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.1	57.9	126	282.6	425	TRIANGLE2T	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	356.1	57.9	126	282.6	425	TRIANGLE2T	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	355.9	57.8	126	282.5	425	TRIANGLE2T	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	355.8	57.9	126	282.4	429	TRIANGLE2T	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	355.2	57.9	126	281.9	425	TRIANGLE2T	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.9	58	126	180.9	238	1060-1165DCT	15C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.9	58	126	180.9	238	1060-1165DCT	16C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.7	58	126	180.7	238	1060-1165DCT	7C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.6	58	126	180.7	234	1060-1165DCT	11C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.7	58	126	180.7	234	1060-1165DCT	12C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.7	58	126	180.7	238	1060-1165DCT	23C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.5	58	126	180.6	238	1060-1165DCT	8C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.4	57.9	126	180.5	234	1060-1165DCT	2C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.5	57.9	126	180.5	234	1060-1165DCT	3C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.5	57.9	126	180.5	234	1060-1165DCT	4C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.4	57.9	126	180.5	234	1060-1165DCT	13C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.4	57.9	126	180.5	234	1060-1165DCT	18C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.4	57.9	126	180.5	234	1060-1165DCT	19C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.4	57.9	126	180.4	234	1060-1165DCT	10C (ESA)	FIX	Recond	700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	234	1060-1165DCT	5C (ESA)	FIX	Recond	0	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.2	57.9	126	180.3	234	1060-1165DCT	20C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227.1	57.9	126	180.3	238	1060-1165DCT	24C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	227	57.8	126	180.2	234	1060-1165DCT	21C (ESA)	FIX	Recond	-700	On
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.9	57.8	126	180.1	238	1060-1165DCT	22C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.8	57.8	126	180.0	238	1060-1165DCT	17C (ESA)	FIX	Recond	700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.7	57.7	126	179.9	238	1060-1165DCT	9C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.6	57.7	126	179.8	238	1060-1165DCT	6C (ESA)	FIX	Recond	0	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.6	57.7	126	179.8	238	1060-1165DCT	25C (ESA)	FIX	Recond	-700	Off
73170	PLUMTREE 115 73268	MIDDLRIV 115 1	LN	226.5	57.7	126	179.7	238	1060-1165DCT	14C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	422.9	184.9	263	160.8	292	1867-1880DCT	25C (ESA)	FIX	Recond	-700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	420.5	182.4	263	159.9	292	1867-1880DCT	9C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	419.3	180	263	159.4	288	1867-1880DCT	21C (ESA)	FIX	Recond	-700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	418.6	180.1	263	159.2	292	1867-1880DCT	17C (ESA)	FIX	Recond	700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	417	177.4	263	158.5	288	1867-1880DCT	5C (ESA)	FIX	Recond	0	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	415.1	175.2	263	157.8	288	1867-1880DCT	13C (ESA)	FIX	Recond	700	On
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	400.1	153.6	263	152.1	292	1867-1880DCT	24C (ESA)	FIX	Recond	-700	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	398.1	151	263	151.4	292	1867-1880DCT	8C (ESA)	FIX	Recond	0	Off
73171	NWLK HAR 115 73237	ELYAVE 115 1	LN	397.3	148.7	263	151.1	292	1867-1880DCT	16C (ESA)	FIX	Recond	700	Off

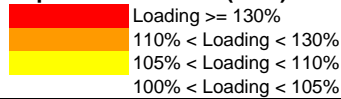
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	396.8	148.8	263	150.9	288	1867-1880DCT	20C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	394.5	146.1	263	150.0	288	1867-1880DCT	4C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	394	144	263	149.8	288	1867-1880DCT	12C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	285	146.1	263	108.4	242	113091001DCT	4C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	285.1	144	263	108.4	242	113091001DCT	12C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	285	148.7	263	108.4	246	113091001DCT	16C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	285	148.8	263	108.4	242	113091001DCT	20C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	284.9	151	263	108.3	246	113091001DCT	8C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	284.8	153.6	263	108.3	246	113091001DCT	24C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	284	177.4	263	108.0	242	113091001DCT	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	284	175.2	263	108.0	242	113091001DCT	13C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	283.8	182.4	263	107.9	246	113091001DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	283.9	180.1	263	107.9	246	113091001DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	283.9	180	263	107.9	242	113091001DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	283.7	184.9	263	107.9	246	113091001DCT	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	273.9	184.9	263	104.1	391	NORWALKST2	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	271.8	184.9	263	103.3	259	1416-1880DCT	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	271.3	184.9	263	103.2	296	1880-1977DCT	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	271.2	182.4	263	103.1	391	NORWALKST2	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269.8	184.9	263	102.6	370	GLENBROOK3T	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269.6	182.4	263	102.5	259	1416-1880DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269.6	184.9	263	102.5	156	1880LINE	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269	182.4	263	102.3	296	1880-1977DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269	184.9	263	102.3	258	1416-1867DCT	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	269	184.9	263	102.3	294	1867-1977DCT	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	268.9	180.1	263	102.2	391	NORWALKST2	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	268.8	180	263	102.2	387	NORWALKST2	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	268.8	184.9	263	102.2	199	91001LINE	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	268.2	182.4	263	102.0	199	91001LINE	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.7	180.1	263	101.8	199	91001LINE	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.6	180.1	263	101.8	259	1416-1880DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.7	180	263	101.8	195	91001LINE	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.9	184.9	263	101.8	153	1867LINE	25C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.6	180	263	101.7	255	1416-1880DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.1	177.4	263	101.6	195	91001LINE	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.1	182.4	263	101.6	156	1880LINE	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.3	182.4	263	101.6	370	GLENBROOK3T	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267.1	180.1	263	101.6	296	1880-1977DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	267	180	263	101.5	292	1880-1977DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	266.8	182.4	263	101.4	258	1416-1867DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	266.8	182.4	263	101.4	294	1867-1977DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	266.6	175.2	263	101.4	195	91001LINE	13C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	266.4	184.9	263	101.3	366	FLAXHILL2T	25C (ESA)	FIX	Recond	-700	Off	

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	266.1	177.4	263	101.2	387	NORWALKST2	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	265.3	177.4	263	100.9	255	1416-1880DCT	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	265.4	182.4	263	100.9	153	1867LINE	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	265	180.1	263	100.8	156	1880LINE	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	265.2	180.1	263	100.8	370	GLENBROOK3T	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	265.1	180	263	100.8	366	GLENBROOK3T	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.7	177.4	263	100.7	292	1880-1977DCT	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.9	180.1	263	100.7	258	1416-1867DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.8	180.1	263	100.7	294	1867-1977DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.9	180	263	100.7	152	1880LINE	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.8	180	263	100.7	254	1416-1867DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.7	180	263	100.7	290	1867-1977DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	264.1	182.4	263	100.4	366	FLAXHILL2T	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	263.9	175.2	263	100.3	387	NORWALKST2	13C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	263.4	175.2	263	100.2	255	1416-1880DCT	13C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	263.3	180.1	263	100.1	153	1867LINE	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73237 ELYAVE 115 1	LN	263.2	180	263	100.1	149	1867LINE	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	188.5	304	104.3	291	1880-1890DCT	4C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	187.2	304	104.3	291	1880-1890DCT	20C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	172.6	304	104.2	291	1880-1890DCT	5C (ESA)	FIX	Recond	0	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	186.1	304	104.2	295	1880-1890DCT	8C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	170.1	304	104.2	295	1880-1890DCT	9C (ESA)	FIX	Recond	0	Off	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	189.7	304	104.2	291	1880-1890DCT	12C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	173.7	304	104.2	291	1880-1890DCT	13C (ESA)	FIX	Recond	700	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	187.2	304	104.2	295	1880-1890DCT	16C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	171.2	304	104.2	295	1880-1890DCT	17C (ESA)	FIX	Recond	700	Off	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.7	171.3	304	104.2	291	1880-1890DCT	21C (ESA)	FIX	Recond	-700	On	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.9	184.7	304	104.2	295	1880-1890DCT	24C (ESA)	FIX	Recond	-700	Off	
73171	NWLK HAR 115 73271 RYTN J B 115 1	LN	316.8	168.8	304	104.2	295	1880-1890DCT	25C (ESA)	FIX	Recond	-700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	511.9	267.6	256	199.9	259	1416-1880DCT	22C (ESA)	FIX	Recond	-700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	508.4	265.3	256	198.6	259	1416-1880DCT	6C (ESA)	FIX	Recond	0	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	505.7	263.6	256	197.6	259	1416-1880DCT	14C (ESA)	FIX	Recond	700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	505.8	263	256	197.6	255	1416-1880DCT	18C (ESA)	FIX	Recond	-700	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	502.8	261	256	196.4	255	1416-1880DCT	2C (ESA)	FIX	Recond	0	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	501	259.8	256	195.7	255	1416-1880DCT	10C (ESA)	FIX	Recond	700	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	497.4	256.8	256	194.3	259	1416-1880DCT	23C (ESA)	FIX	Recond	-700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	494.2	254.6	256	193.0	259	1416-1880DCT	7C (ESA)	FIX	Recond	0	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	491.8	252.5	256	192.1	255	1416-1880DCT	19C (ESA)	FIX	Recond	-700	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	491.6	252.9	256	192.0	259	1416-1880DCT	15C (ESA)	FIX	Recond	700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	488.6	250.4	256	190.9	255	1416-1880DCT	3C (ESA)	FIX	Recond	0	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	486	248.6	256	189.9	255	1416-1880DCT	11C (ESA)	FIX	Recond	700	On	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	484.8	267.6	256	189.4	296	1880-1977DCT	22C (ESA)	FIX	Recond	-700	Off	
73172	NORWALK 115 73207 FLAX HIL 115 1	LN	481.4	265.3	256	188.1	296	1880-1977DCT	6C (ESA)	FIX	Recond	0	Off	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	478.9	263	256	187.1	292	1880-1977DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	478.8	263.6	256	187.0	296	1880-1977DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	475.9	261	256	185.9	292	1880-1977DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	474.1	259.8	256	185.2	292	1880-1977DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	470.5	256.8	256	183.8	296	1880-1977DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	467.3	254.6	256	182.5	296	1880-1977DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	464.9	252.5	256	181.6	292	1880-1977DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	464.7	252.9	256	181.5	296	1880-1977DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	461.8	250.4	256	180.4	292	1880-1977DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	459.2	248.6	256	179.4	292	1880-1977DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	423.4	267.6	256	165.4	246	113091001DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	422.1	265.3	256	164.9	246	113091001DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	421.3	263.6	256	164.6	246	113091001DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	421.5	263	256	164.6	242	113091001DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.7	261	256	164.3	242	113091001DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.5	259.8	256	164.3	242	113091001DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	420.4	267.6	256	164.2	370	GLENBROOK3T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	419.3	267.6	256	163.8	391	NORWALKST2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	419	256.8	256	163.7	246	113091001DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418.4	267.6	256	163.4	156	1880LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418.4	267.6	256	163.4	395	NORWLKHAR4T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	418	254.6	256	163.3	246	113091001DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.4	252.5	256	163.1	242	113091001DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	417.2	252.9	256	163.0	246	113091001DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	416.4	250.4	256	162.7	242	113091001DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	416.5	265.3	256	162.7	370	GLENBROOK3T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	415.6	248.6	256	162.4	242	113091001DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	415	265.3	256	162.1	391	NORWALKST2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	414.5	265.3	256	161.9	156	1880LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	414.5	265.3	256	161.9	395	NORWLKHAR4T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	413.5	263.6	256	161.5	370	GLENBROOK3T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	413.1	263	256	161.4	366	GLENBROOK3T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.6	263.6	256	160.8	156	1880LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.7	263.6	256	160.8	391	NORWALKST2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.6	263.6	256	160.8	395	NORWLKHAR4T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.8	263	256	160.8	387	NORWALKST2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.4	263	256	160.7	152	1880LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	411.4	263	256	160.7	391	NORWLKHAR4T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	409.6	261	256	160.0	366	GLENBROOK3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.9	261	256	159.3	152	1880LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.8	261	256	159.3	387	NORWALKST2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.9	261	256	159.3	391	NORWLKHAR4T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	407.3	259.8	256	159.1	366	GLENBROOK3T	10C (ESA)	FIX	Recond	700	On	

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	405.5	259.8	256	158.4	152	1880LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	405.5	259.8	256	158.4	391	NORWLKHAR4T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	405	259.8	256	158.2	387	NORWALKST2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	402.9	256.8	256	157.4	370	GLENBROOK3T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.7	256.8	256	156.9	156	1880LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	401.7	256.8	256	156.9	395	NORWLKHAR4T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	400.4	256.8	256	156.4	391	NORWALKST2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.6	267.6	256	156.1	295	1880-1890DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	399.2	254.6	256	155.9	370	GLENBROOK3T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	397.9	254.6	256	155.4	156	1880LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	397.9	254.6	256	155.4	395	NORWLKHAR4T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	397.5	265.3	256	155.3	295	1880-1890DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	396.2	254.6	256	154.8	391	NORWALKST2	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	396.2	252.9	256	154.7	370	GLENBROOK3T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	396	252.5	256	154.7	366	GLENBROOK3T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	395.8	263.6	256	154.6	295	1880-1890DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	395.2	263	256	154.4	291	1880-1890DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	395.1	252.5	256	154.3	152	1880LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	395.1	252.5	256	154.3	391	NORWLKHAR4T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.8	252.9	256	154.2	156	1880LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	394.8	252.9	256	154.2	395	NORWLKHAR4T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.2	261	256	153.6	291	1880-1890DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	393.3	252.5	256	153.6	387	NORWALKST2	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.7	252.9	256	153.4	391	NORWALKST2	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	392.3	250.4	256	153.3	366	GLENBROOK3T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.7	259.8	256	153.0	291	1880-1890DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.3	250.4	256	152.9	152	1880LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	391.3	250.4	256	152.9	391	NORWLKHAR4T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	390.3	267.6	256	152.5	245	1130-1430DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.3	248.6	256	152.1	366	GLENBROOK3T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389	250.4	256	152.0	387	NORWALKST2	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	389.2	265.3	256	152.0	245	1130-1430DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.9	256.8	256	151.9	295	1880-1890DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.5	263.6	256	151.8	245	1130-1430DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.4	263	256	151.7	241	1130-1430DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.2	248.6	256	151.6	152	1880LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	388.2	248.6	256	151.6	391	NORWLKHAR4T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.8	261	256	151.5	241	1130-1430DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.8	259.8	256	151.5	241	1130-1430DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	387.6	267.6	256	151.4	260	1416-1890DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.8	254.6	256	151.1	295	1880-1890DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.6	265.3	256	151.0	260	1416-1890DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386	263.6	256	150.8	260	1416-1890DCT	14C (ESA)	FIX	Recond	700	Off	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	386.1	256.8	256	150.8	245	1130-1430DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.8	263	256	150.7	256	1416-1890DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.5	248.6	256	150.6	387	NORWALKST2	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.2	261	256	150.5	256	1416-1890DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.3	254.6	256	150.5	245	1130-1430DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.2	259.8	256	150.5	256	1416-1890DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	385.3	252.9	256	150.5	295	1880-1890DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	384.7	252.9	256	150.3	245	1130-1430DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	384.7	252.5	256	150.3	291	1880-1890DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	384.6	252.5	256	150.2	241	1130-1430DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.8	250.4	256	149.9	241	1130-1430DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.6	256.8	256	149.8	260	1416-1890DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	383.2	248.6	256	149.7	241	1130-1430DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	382.6	250.4	256	149.5	291	1880-1890DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	382.8	254.6	256	149.5	260	1416-1890DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	382.2	252.9	256	149.3	260	1416-1890DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	382.1	252.5	256	149.3	256	1416-1890DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	381.4	250.4	256	149.0	256	1416-1890DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	381	248.6	256	148.8	291	1880-1890DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	380.8	248.6	256	148.7	256	1416-1890DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	364.2	267.6	256	142.3	297	1890-1977DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	363.3	265.3	256	141.9	297	1890-1977DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	362.7	263.6	256	141.7	297	1890-1977DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	362.4	263	256	141.6	293	1890-1977DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	361.9	261	256	141.4	293	1890-1977DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	361.9	259.8	256	141.4	293	1890-1977DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	360.3	256.8	256	140.7	297	1890-1977DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	359.6	254.6	256	140.5	297	1890-1977DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	359	252.9	256	140.2	297	1890-1977DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	358.9	252.5	256	140.2	293	1890-1977DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	358.1	250.4	256	139.9	293	1890-1977DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	357.4	248.6	256	139.6	293	1890-1977DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	340.7	267.6	256	133.1	199	91001LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	338.9	265.3	256	132.4	199	91001LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	337.5	263.6	256	131.8	199	91001LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	337.3	263	256	131.8	195	91001LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	335.8	261	256	131.2	195	91001LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	335	259.8	256	130.9	195	91001LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	332.8	256.8	256	130.0	199	91001LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	331.1	254.6	256	129.3	199	91001LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	329.7	252.9	256	128.8	199	91001LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	329.7	252.5	256	128.8	195	91001LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	328	250.4	256	128.1	195	91001LINE	3C (ESA)	FIX	Recond	0	On	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	326.6	248.6	256	127.6	195	91001LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	324.6	267.6	256	126.8	394	NORWLKHAR3T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	320.8	265.3	256	125.3	394	NORWLKHAR3T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	320.6	267.6	256	125.2	28	1130LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	214	125.1	**	Base Case	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	319.9	267.6	256	125.0	399	PEQUON12TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	319.7	267.6	256	124.9	327	ASHCREEKBKR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	318.7	265.3	256	124.5	28	1130LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	318	265.3	256	124.2	327	ASHCREEKBKR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	317.9	265.3	256	124.2	399	PEQUON12TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	317.8	263.6	256	124.1	394	NORWLKHAR3T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	214	124.0	**	Base Case	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	317.3	263.6	256	123.9	28	1130LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	317.3	263	256	123.9	390	NORWLKHAR3T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	316.8	263	256	123.8	24	1130LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	316.7	263.6	256	123.7	327	ASHCREEKBKR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	316.4	263.6	256	123.6	399	PEQUON12TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	316.3	263	256	123.5	323	ASHCREEKBKR	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	315.3	261	256	123.2	24	1130LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	214	123.2	**	Base Case	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	315.2	263	256	123.1	395	PEQUON12TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	315	261	256	123.0	323	ASHCREEKBKR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	214	122.9	**	Base Case	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	314.6	267.6	256	122.9	59	1430LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	314.4	259.8	256	122.8	24	1130LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	314.3	259.8	256	122.8	323	ASHCREEKBKR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.7	261	256	122.5	390	NORWLKHAR3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	313.6	261	256	122.5	395	PEQUON12TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	312.9	265.3	256	122.2	59	1430LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	312.6	259.8	256	122.1	395	PEQUON12TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	214	122.0	**	Base Case	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.9	256.8	256	121.8	28	1130LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.8	256.8	256	121.8	327	ASHCREEKBKR	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.7	263.6	256	121.7	59	1430LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.3	263	256	121.6	55	1430LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	311.2	267.6	256	121.6	29	1130+1416LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	214	121.4	**	Base Case	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	310.7	259.8	256	121.4	390	NORWLKHAR3T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	310.2	254.6	256	121.2	28	1130LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	310.4	254.6	256	121.2	327	ASHCREEKBKR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.9	261	256	121.1	55	1430LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.6	267.6	256	120.9	409	SASCOCR1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.3	265.3	256	120.8	29	1130+1416LNS	6C (ESA)	FIX	Recond	0	Off	

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.2	259.8	256	120.8	55	1430LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.2	252.9	256	120.8	327	ASHCREEKBKR	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.4	267.6	256	120.8	371	GLENBROOK8T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309.1	256.8	256	120.8	399	PEQUON12TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	309	267.6	256	120.7	58	1416LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.9	267.6	256	120.7	158	1890LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.9	267.6	256	120.7	392	NORWLKHAR1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.8	252.9	256	120.6	28	1130LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.8	252.5	256	120.6	323	ASHCREEKBKR	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.5	252.5	256	120.5	24	1130LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.2	267.6	256	120.4	299	1460-387DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.9	265.3	256	120.3	409	SASCOCR1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308	263.6	256	120.3	29	1130+1416LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	308.1	267.6	256	120.3	228	387LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.7	265.3	256	120.2	371	GLENBROOK8T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.3	254.6	256	120.1	399	PEQUON12TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.4	263	256	120.1	25	1130+1416LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.3	250.4	256	120.0	323	ASHCREEKBKR	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.1	265.3	256	120.0	58	1416LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.3	265.3	256	120.0	158	1890LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307.3	265.3	256	120.0	392	NORWLKHAR1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	214	120.0	**	Base Case	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	307	256.8	256	119.9	59	1430LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.8	250.4	256	119.8	24	1130LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.7	263.6	256	119.8	409	SASCOCR1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.6	256.8	256	119.8	394	NORWLKHAR3T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.5	263.6	256	119.7	371	GLENBROOK8T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.2	248.6	256	119.6	323	ASHCREEKBKR	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.1	263.6	256	119.6	158	1890LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.1	263.6	256	119.6	392	NORWLKHAR1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306.3	263	256	119.6	405	SASCOCR1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306	261	256	119.5	25	1130+1416LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.9	252.9	256	119.5	399	PEQUON12TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.8	263	256	119.5	295	1460-387DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	306	263	256	119.5	367	GLENBROOK8T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.7	263.6	256	119.4	58	1416LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.6	263	256	119.4	154	1890LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.6	263	256	119.4	224	387LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.6	263	256	119.4	388	NORWLKHAR1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.3	265.3	256	119.3	228	387LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.4	265.3	256	119.3	299	1460-387DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.4	254.6	256	119.3	59	1430LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.4	248.6	256	119.3	24	1130LINE	11C (ESA)	FIX	Recond	700	On	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.3	263	256	119.3	54	1416LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305.1	259.8	256	119.2	25	1130+1416LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	305	261	256	119.1	405	SASCOCR1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.8	252.5	256	119.1	395	PEQUON12TSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.7	261	256	119.0	367	GLENBROOK8T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	254.6	254.6	214	119.0		** Base Case	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.3	261	256	118.9	154	1890LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.3	261	256	118.9	388	NORWLKHAR1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.3	259.8	256	118.9	405	SASCOCR1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304.2	252.9	256	118.8	59	1430LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.8	261	256	118.7	54	1416LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304	259.8	256	118.7	367	GLENBROOK8T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	304	252.5	256	118.7	55	1430LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.6	259.8	256	118.6	154	1890LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.6	259.8	256	118.6	388	NORWLKHAR1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.4	261	256	118.5	295	1460-387DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.3	263.6	256	118.5	299	1460-387DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.2	261	256	118.4	224	387LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.1	250.4	256	118.4	395	PEQUON12TSTK	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	303.2	263.6	256	118.4	228	387LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.9	254.6	256	118.3	394	NORWLKHAR3T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.9	259.8	256	118.3	54	1416LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	252.9	252.9	214	118.2		** Base Case	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.5	256.8	256	118.2	29	1130+1416LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302.4	250.4	256	118.1	55	1430LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	252.5	252.5	214	118.0		** Base Case	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	302	256.8	256	118.0	409	SASCOCR1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.7	259.8	256	117.8	295	1460-387DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.6	248.6	256	117.8	395	PEQUON12TSTK	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.7	256.8	256	117.8	371	GLENBROOK8T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.4	259.8	256	117.7	224	387LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.3	256.8	256	117.7	158	1890LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.3	256.8	256	117.7	392	NORWLKHAR1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	301.1	248.6	256	117.6	55	1430LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.9	254.6	256	117.5	29	1130+1416LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.8	256.8	256	117.5	228	387LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.9	256.8	256	117.5	299	1460-387DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.5	254.6	256	117.4	409	SASCOCR1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.4	256.8	256	117.4	58	1416LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	300.1	254.6	256	117.2	371	GLENBROOK8T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.9	252.9	256	117.2	394	NORWLKHAR3T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.8	254.6	256	117.1	158	1890LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.8	254.6	256	117.1	392	NORWLKHAR1T	7C (ESA)	FIX	Recond	0	Off	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	250.4	250.4	214	117.0	**	Base Case	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.6	252.9	256	117.0	29	1130+1416LNS	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.5	252.5	256	117.0	390	NORWLKHAR3T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.3	252.9	256	116.9	409	SASCOCR1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.2	252.5	256	116.9	25	1130+1416LNS	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.9	252.9	256	116.8	371	GLENBROOK8T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.9	252.5	256	116.8	295	1460-387DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299	252.5	256	116.8	405	SASCOCR1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	299.1	267.6	256	116.8	344	DARIEN1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.7	254.6	256	116.7	58	1416LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.7	252.5	256	116.7	224	387LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.6	252.5	256	116.7	367	GLENBROOK8T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.6	252.9	256	116.6	158	1890LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.6	252.9	256	116.6	392	NORWLKHAR1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.3	254.6	256	116.5	228	387LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.4	254.6	256	116.5	299	1460-387DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.3	252.5	256	116.5	154	1890LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	298.3	252.5	256	116.5	388	NORWLKHAR1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.5	250.4	256	116.2	25	1130+1416LNS	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.5	250.4	256	116.2	405	SASCOCR1T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	248.6	248.6	214	116.2	**	Base Case	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.4	252.9	256	116.2	58	1416LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.1	250.4	256	116.1	367	GLENBROOK8T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.3	265.3	256	116.1	344	DARIEN1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	297.1	252.5	256	116.1	54	1416LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.8	250.4	256	115.9	154	1890LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.8	250.4	256	115.9	388	NORWLKHAR1T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.4	250.4	256	115.8	295	1460-387DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.2	250.4	256	115.7	224	387LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.2	248.6	256	115.7	25	1130+1416LNS	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.3	248.6	256	115.7	405	SASCOCR1T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.2	252.9	256	115.7	228	387LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.2	252.9	256	115.7	299	1460-387DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296.2	267.6	256	115.7	412	SOUTHEND6T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.8	250.4	256	115.6	390	NORWLKHAR3T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.9	248.6	256	115.6	367	GLENBROOK8T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	296	263.6	256	115.6	344	DARIEN1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.6	248.6	256	115.5	154	1890LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.6	248.6	256	115.5	388	NORWLKHAR1T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.4	250.4	256	115.4	54	1416LINE	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.3	263	256	115.4	340	DARIEN1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	295.5	267.6	256	115.4	164	1977LINENEW	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.3	265.3	256	115.0	412	SOUTHEND6T	6C (ESA)	FIX	Recond	0	Off	

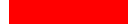



List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.1	248.6	256	114.9	224	387LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294.3	248.6	256	114.9	295	1460-387DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293.9	261	256	114.8	340	DARIEN1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	294	248.6	256	114.8	54	1416LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293.7	265.3	256	114.7	164	1977LINENEW	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293.1	259.8	256	114.5	340	DARIEN1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.8	248.6	256	114.4	390	NORWLKHAR3T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	293	263.6	256	114.4	412	SOUTHEND6T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.3	263.6	256	114.2	164	1977LINENEW	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	292.4	263	256	114.2	408	SOUTHEND6T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291.8	263	256	114.0	160	1977LINENEW	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	291	261	256	113.7	408	SOUTHEND6T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.5	256.8	256	113.5	344	DARIEN1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.3	261	256	113.4	160	1977LINENEW	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	290.1	259.8	256	113.3	408	SOUTHEND6T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	289.5	259.8	256	113.1	160	1977LINENEW	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	288.9	254.6	256	112.9	344	DARIEN1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	288.1	267.6	256	112.5	458	SCOVK5TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.7	252.9	256	112.4	344	DARIEN1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.6	256.8	256	112.3	412	SOUTHEND6T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	287.1	252.5	256	112.2	340	DARIEN1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.9	256.8	256	112.1	164	1977LINENEW	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	286.6	267.6	256	111.9	411	SOUTHEND5T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.9	254.6	256	111.7	412	SOUTHEND6T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.6	250.4	256	111.6	340	DARIEN1T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.4	263	256	111.5	454	SCOVK5TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.3	265.3	256	111.4	458	SCOVK5TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	285.3	254.6	256	111.4	164	1977LINENEW	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.8	265.3	256	111.3	411	SOUTHEND5T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.7	263.6	256	111.2	202	312LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.7	263.6	256	111.2	203	312+393LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.7	263.6	256	111.2	204	312+393REAC	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.6	252.9	256	111.2	412	SOUTHEND6T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.3	248.6	256	111.1	340	DARIEN1T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.4	263.6	256	111.1	456	NOMNT5TBKR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.4	263.6	256	111.1	457	NMSTBKREAC	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.2	252.5	256	111.0	408	SOUTHEND6T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	284.1	267.6	256	111.0	474	SNGPEQ-XFR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.9	252.9	256	110.9	164	1977LINENEW	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.5	263.6	256	110.8	411	SOUTHEND5T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.5	252.5	256	110.8	160	1977LINENEW	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283.2	263.6	256	110.6	458	SCOVK5TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283	261	256	110.5	454	SCOVK5TSTK	2C (ESA)	FIX	Recond	0	On	

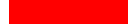



List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.9	263	256	110.5	407	SOUTHEND5T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	283	267.6	256	110.5	298	8100-8200DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.6	250.4	256	110.4	408	SOUTHEND6T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	282.4	263.6	256	110.3	229	393LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.9	250.4	256	110.1	160	1977LINENEW	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.6	265.3	256	110.0	474	SNGPEQ-XFR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.5	261	256	109.9	407	SOUTHEND5T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.2	248.6	256	109.9	408	SOUTHEND6T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.4	263	256	109.9	294	8100-8200DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	281.2	259.8	256	109.8	454	SCOVK5TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.7	252.9	256	109.7	232	398LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.7	252.9	256	109.7	233	398LREAC	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.8	256.8	256	109.7	458	SCOVK5TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.6	265.3	256	109.6	298	8100-8200DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.6	259.8	256	109.6	407	SOUTHEND5T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.6	248.6	256	109.6	160	1977LINENEW	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.1	248.6	256	109.4	228	398LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	280.1	248.6	256	109.4	229	398LREAC	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.7	259.8	256	109.3	198	312LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.7	259.8	256	109.3	199	312+393LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.7	259.8	256	109.3	200	312+393REAC	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.8	263.6	256	109.3	474	SNGPEQ-XFR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.5	261	256	109.2	294	8100-8200DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.5	259.8	256	109.2	452	NOMNTSTBKR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	279.5	259.8	256	109.2	453	NMSTBKREAC	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.9	263.6	256	109.0	298	8100-8200DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.4	252.5	256	108.8	454	SCOVK5TSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.3	259.8	256	108.7	294	8100-8200DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.1	254.6	256	108.6	458	SCOVK5TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.1	263	256	108.6	470	SNGPEQ-XFR	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	278.1	256.8	256	108.6	411	SOUTHEND5T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.4	259.8	256	108.4	225	393LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	277.4	267.6	256	108.3	254	1310-1763DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.8	267.6	256	108.1	356	DEVON24TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.5	254.6	256	108.0	411	SOUTHEND5T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	276.1	261	256	107.8	470	SNGPEQ-XFR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.9	250.4	256	107.8	454	SCOVK5TSTK	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.9	252.9	256	107.8	458	SCOVK5TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.3	265.3	256	107.6	456	NOMNTSTBKR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.3	265.3	256	107.6	457	NMSTBKREAC	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.4	248.6	256	107.6	448	LONGMT5TSTK	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.3	265.3	256	107.5	202	312LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.3	265.3	256	107.5	203	312+393LNS	6C (ESA)	FIX	Recond	0	Off	


List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.3	265.3	256	107.5	204	312+393REAC	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.1	265.3	256	107.5	254	1310-1763DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	275.2	252.9	256	107.5	411	SOUTHEND5T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.9	252.9	256	107.4	452	LONGMT5STK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.7	259.8	256	107.3	470	SNGPEQ-XFR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.8	252.5	256	107.3	407	SOUTHEND5T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.7	267.6	256	107.3	426	STEVENSNSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.5	265.3	256	107.2	356	DEVON24TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.2	267.6	256	107.1	247	1163-1550D-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.1	267.6	256	107.1	289	1800-1810DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.1	267.6	256	107.1	422	SOTHNGTN24T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274.2	267.6	256	107.1	425	SOTHNGTN28T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274	267.6	256	107.0	287	1770-1887DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	274	267.6	256	107.0	427	STONYHILL1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.6	248.6	256	106.9	454	SCOVK5TSTK	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.4	263.6	256	106.8	254	1310-1763DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.4	267.6	256	106.8	265	1505-1607DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.5	267.6	256	106.8	386	MIXAVE1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.3	267.6	256	106.8	431	TRIANGLE4T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.1	250.4	256	106.7	407	SOUTHEND5T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.3	265.3	256	106.7	229	393LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	273.2	267.6	256	106.7	267	1560-1570DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	263.6	256	106.6	356	DEVON24TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	263	256	106.6	250	1310-1763DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.8	267.6	256	106.6	462	SGTN4TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.4	267.6	256	106.4	475	DEV-XFR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272.1	265.3	256	106.3	426	STEVENSNSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	265.3	256	106.2	247	1163-1550D-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	265.3	256	106.2	289	1800-1810DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	265.3	256	106.2	422	SOTHNGTN24T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	265.3	256	106.2	425	SOTHNGTN28T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.8	248.6	256	106.2	407	SOUTHEND5T	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.9	267.6	256	106.2	330	BATESROCK1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	272	267.6	256	106.2	343	COLONY1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.8	267.6	256	106.2	406	QUINIPACST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.8	267.6	256	106.2	428	TRPFALLST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.6	265.3	256	106.1	287	1770-1887DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.6	265.3	256	106.1	427	STONYHILL1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.7	265.3	256	106.1	462	SGTN4TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.7	267.6	256	106.1	290	1800-1825DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.7	267.6	256	106.1	379	GREENHLL2T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.6	267.6	256	106.1	476	ESHR-XFR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.4	267.6	256	106.0	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off	


List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)


 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.4	267.6	256	106.0	253	1280-1870DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.5	267.6	256	106.0	268	1570-1575DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	106.0	463	SGTN5TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.4	267.6	256	106.0	478	NEWDEV2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	265.3	256	105.9	265	1505-1607DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	265.3	256	105.9	386	MIXAVE1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	265.3	256	105.9	431	TRIANGLE4T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	263.6	256	105.9	462	SGTN4TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	263	256	105.9	352	DEVON24TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.6	256	105.9	69	1500LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.6	256	105.9	88	1605LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	105.9	123	1760+1876LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	105.9	205	318LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	105.9	255	1355-1610DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.6	256	105.9	341	BUNKERH2T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.6	256	105.9	404	PLUMTREE28T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.1	267.6	256	105.9	408	SACKETST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	105.9	415	SOTHNGTN13T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271	267.6	256	105.9	430	TRIANGLE3T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271.2	267.6	256	105.9	461	SGTN3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	261	256	105.8	250	1310-1763DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	265.3	256	105.8	267	1560-1570DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.9	267.6	256	105.8	70	1505LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.7	267.6	256	105.8	207	329LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	271	267.6	256	105.8	243	1100-1200DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	267.6	256	105.8	419	SOTHNGTN20T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.8	267.6	256	105.8	444	WOODMNT1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	267.6	256	105.7	257	1394-1515DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.6	267.6	256	105.7	271	1575-1990DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.6	267.6	256	105.7	331	BECONFLSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	267.6	256	105.7	382	HAWTHORNST	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.6	267.6	256	105.7	385	MLLRVR2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	267.6	256	105.7	440	WBROOKFLD1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	261	256	105.6	452	NOMNTSTBKR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	261	256	105.6	453	NMSTBKREAC	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	252.9	256	105.6	456	NOMNTSTBKR	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.5	252.9	256	105.6	457	NMSTBKREAC	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.6	256	105.6	52	1355LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.6	256	105.6	104	1690LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.6	256	105.6	280	1670-1830DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.3	267.6	256	105.6	418	SOTHNGTN16T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.4	256.8	256	105.6	474	SNGPEQ-XFR	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	261	256	105.5	198	312LINE	2C (ESA)	FIX	Recond	0	On	

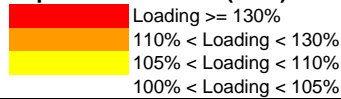
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)


 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	261	256	105.5	199	312+393LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	261	256	105.5	200	312+393REAC	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	265.3	256	105.5	463	SGTN5TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	265.3	256	105.5	475	DEV-XFR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	263.6	256	105.5	247	1163-1550D-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	263.6	256	105.5	289	1800-1810DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	263.6	256	105.5	422	SOTHNGTN24T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	263.6	256	105.5	425	SOTHNGTN28T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	263.6	256	105.5	426	STEVENSNSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	129	1770LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	210	347LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	211	347LREAC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	270	1575-1585DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270	267.6	256	105.5	339	BROADWYST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.2	267.6	256	105.5	364	EMERIDEN1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	383	JUNEST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	384	MLLRVR1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270.1	267.6	256	105.5	403	PLUMTREE25T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	270	267.6	256	105.5	465	SGTN7TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.7	265.3	256	105.4	343	COLONYLT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	263.6	256	105.4	287	1770-1887DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	263.6	256	105.4	427	STONYHILL1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	263	256	105.4	422	STEVENSNSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	46	1272+1445LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.7	267.6	256	105.4	62	1443+1759LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	147	1820LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	262	1470-1565DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	285	1732-1788DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.6	256	105.4	291	1810-1825DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.6	256	105.4	342	BUNKERH3T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.6	256	105.4	376	GRNDAV5TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.6	256	105.4	377	GRNDAV6TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	398	PEACEABLE1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.9	267.6	256	105.4	420	SOTHNGTN22T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.8	267.6	256	105.4	421	SOTHNGTN23T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	265.3	256	105.3	207	329LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	265.3	256	105.3	290	1800-1825DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	265.3	256	105.3	330	BATESROCK1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	265.3	256	105.3	379	GREENHLL2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	265.3	256	105.3	406	QUINIPACST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	265.3	256	105.3	428	TRPFALLST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	259.8	256	105.3	250	1310-1763DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	263.6	256	105.3	386	MIXAVE1	14C (ESA)	FIX	Recond	700	Off	

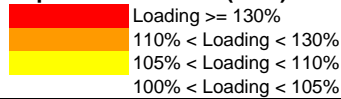
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	263.6	256	105.3	431	TRIANGLE4T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	263.6	256	105.3	463	SGTN5TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	263	256	105.3	243	1163-1550D-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	263	256	105.3	283	1770-1887DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	263	256	105.3	285	1800-1810DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	263	256	105.3	418	SOTHNGTN24T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	263	256	105.3	421	SOTHNGTN28T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	263	256	105.3	423	STONYHILL1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	83	1575LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.3	136	1780LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	142	1790LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	272	1580-1585DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	308	310-383DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.6	256	105.3	340	BUNKERHIT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	367	FROSTBR15T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.6	267.6	256	105.3	387	NOHAVNLTSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.5	267.6	256	105.3	413	SNAUGA1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	261	256	105.2	352	DEVON24TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	265.3	256	105.2	205	318LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	265.3	256	105.2	268	1570-1575DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	265.3	256	105.2	461	SGTN3TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	265.3	256	105.2	476	ESHR-XFR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	263.6	256	105.2	265	1505-1607DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	252.9	256	105.2	204	312+393REAC	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	12	100+400LINES	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	21	1050+1766LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	31	1163+1910LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	186	88005ALINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.3	267.6	256	105.2	244	1100-1300DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	278	1668-1721DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	363	DEVSWST4TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.6	256	105.2	375	GRNDAV4TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	267.6	256	105.2	378	GRNDAV7TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.4	267.6	256	105.2	424	SOTHNGTN26T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	265.3	256	105.1	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	265.3	256	105.1	253	1280-1870DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	265.3	256	105.1	255	1355-1610DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	265.3	256	105.1	415	SOTHNGTN13T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	265.3	256	105.1	478	NEWDEV2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	263.6	256	105.1	207	329LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	263.6	256	105.1	267	1560-1570DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	252.9	256	105.1	202	312LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.2	252.9	256	105.1	203	312+393LNS	15C (ESA)	FIX	Recond	700	Off	

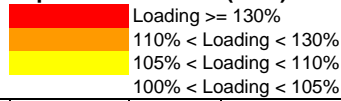
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	24	1070+1490LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	39	1235LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	77	1550+1950LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	184	88003ALINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	189	88006ALINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	192	89003BLINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	267.6	256	105.1	198	89006BLINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	267.6	256	105.1	389	NWALLING1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269	267.6	256	105.1	414	SOTHNGTN12T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	269.1	256.8	256	105.1	298	8100-8200DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	265.3	256	105.0	69	1500LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	265.3	256	105.0	88	1605LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	265.3	256	105.0	341	BUNKERH2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	265.3	256	105.0	408	SACKETST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	265.3	256	105.0	430	TRIANGLE3T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	265.3	256	105.0	444	WOODMNT1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	263	256	105.0	261	1505-1607DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	263	256	105.0	382	MIXAVAL1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	263	256	105.0	427	TRIANGLE4T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.6	256	105.0	19	1000LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.6	256	105.0	78	1560LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.6	256	105.0	122	1760LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.6	256	105.0	215	348N+AUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.6	256	105.0	237	1000-1090DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.9	267.6	256	105.0	328	BAIRDASTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.6	256	105.0	360	DEVSWST1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.8	267.6	256	105.0	362	DEVSWST3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.6	256	105.0	369	FROSTBR27T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.6	256	105.0	460	SGTN1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	265.3	256	104.9	70	1505LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	265.3	256	104.9	123	1760+1876LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	265.3	256	104.9	243	1100-1200DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	265.3	256	104.9	404	PLUMTREE28T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	265.3	256	104.9	419	SOTHNGTN20T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	263.6	256	104.9	475	DEV-XFR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	13	400LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	18	694LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	42	1250LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.9	47	1280LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	107	1720LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	165	1990LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	166	8100LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	167	8200LINE	22C (ESA)	FIX	Recond	-700	Off	

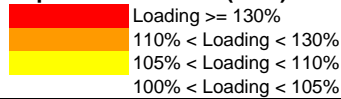
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	169	8400LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	182	88003ALINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	190	89003BLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	365	ESHORE12TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	372	GRNDAV1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.7	267.6	256	104.9	374	GRNDAV3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	441	WRIVER1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	442	WRIVER2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.5	267.6	256	104.9	479	362ELINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.6	267.6	256	104.9	483	1466-362EDCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	261	256	104.8	225	393LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	265.3	256	104.8	257	1394-1515DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	265.3	256	104.8	262	1470-1565DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	265.3	256	104.8	271	1575-1990DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	265.3	256	104.8	331	BECNFLSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	265.3	256	104.8	385	MLLRVR2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	265.3	256	104.8	398	PEACEABLE1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	263	256	104.8	263	1560-1570DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.8	90	1610LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	157	1887LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.8	175	8809ALINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.8	178	8909BLINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	185	88003ALINE-3	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	193	89003BLINE-3	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	201	310LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	214	348NLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.8	361	DEVSWST2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.3	267.6	256	104.8	368	FROSTBR21T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.6	256	104.8	445	WOODMNT2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.4	267.6	256	104.8	459	SCOVKR8TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.6	256	104.8	464	SGTN6TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	256.8	256	104.8	356	DEVON24TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	265.3	256	104.7	52	1355LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	265.3	256	104.7	104	1690LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	265.3	256	104.7	280	1670-1830DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	265.3	256	104.7	364	EMERIDEN1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	265.3	256	104.7	382	HAWTHORNST	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	265.3	256	104.7	418	SOTHNGTN16T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	265.3	256	104.7	440	WBROOKFLD1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	254.6	256	104.7	474	SNGPEQ-XFR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	259.8	256	104.7	352	DEVON24TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	263.6	256	104.7	343	COLONY1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	263	256	104.7	458	SGTN4TSTK	18C (ESA)	FIX	Recond	-700	On	

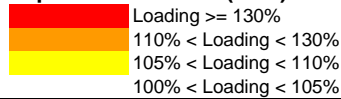
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	15	667-690LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	37	1208LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	45	1272LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	63	1445LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	82	1572+1772LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	85	1585LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	89	1607LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	112	1730BLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	154	1870LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	181	84004LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	240	1070-1080DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.2	267.6	256	104.7	313	SOUTH1XAUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	325	ALLINGS1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	326	ALLINGS2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	338	BRANFRDRR1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	351	DEVON8TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	352	DEVON10TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268	267.6	256	104.7	373	GRNDAV2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	416	SOTHNGTN14T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	435	WALLING4TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	268.1	267.6	256	104.7	436	WALLING5TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	261	256	104.6	422	STEVENSSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	265.3	256	104.6	129	1770LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	265.3	256	104.6	270	1575-1585DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	265.3	256	104.6	339	BROADWYST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	265.3	256	104.6	376	GRNDAV5TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	265.3	256	104.6	377	GRNDAV6TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	265.3	256	104.6	383	JUNEST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	265.3	256	104.6	384	MLLRVRTSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	265.3	256	104.6	403	PLUMTREE2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	263.6	256	104.6	205	318LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	263.6	256	104.6	290	1800-1825DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	263.6	256	104.6	330	BATESROCK1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	263.6	256	104.6	379	GREENHLL2T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	263.6	256	104.6	406	QUINIPACST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	263.6	256	104.6	428	TRPFALLST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	263.6	256	104.6	461	SGTN3TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	252.5	256	104.6	294	8100-8200DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	23	1070LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	26	1090LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	33	1191LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	60	1440LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	61	1443LINE	22C (ESA)	FIX	Recond	-700	Off	

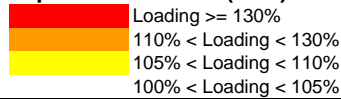
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	65	1460LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	73	1537LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	100	1668LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	108	1721LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	121	1759LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	125	1765LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	138	1784LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.6	151	1835LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.6	256	104.6	155	1876LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	168	8300LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	170	8500LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	173	8804ALINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	176	8904BLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	183	88003ALINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	191	89003BLINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	197	89006BLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	226	383LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.9	267.6	256	104.6	273	1580-1730BDC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	279	1670-1771DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	307	310-368DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	314	SOUTH2XAUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.7	267.6	256	104.6	329	BAIRDBSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	337	BRANFORD4T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	407	ROCKRIVER1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.8	267.6	256	104.6	417	SOTHNGTN15T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.6	437	WATERST1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	261	256	104.5	243	1163-1550D-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	261	256	104.5	283	1770-1887DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	261	256	104.5	285	1800-1810DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	261	256	104.5	418	SOTHNGTN24T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	261	256	104.5	421	SOTHNGTN28T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	261	256	104.5	423	STONYHILL1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	265.3	256	104.5	46	1272+1445LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	265.3	256	104.5	62	1443+1759LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	265.3	256	104.5	147	1820LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	265.3	256	104.5	285	1732-1788DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	265.3	256	104.5	291	1810-1825DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	265.3	256	104.5	342	BUNKERH3T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	265.3	256	104.5	420	SOTHNGTN22T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	265.3	256	104.5	421	SOTHNGTN23T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	265.3	256	104.5	465	SGTN7TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	263.6	256	104.5	216	352LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	263.6	256	104.5	268	1570-1575DCT	14C (ESA)	FIX	Recond	700	Off	

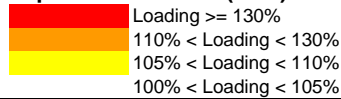
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	263.6	256	104.5	476	ESHX-XFR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	263	256	104.5	326	BATESROCKIT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	11	100LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	16	689LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	17	693LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	20	1050LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	22	1060LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	27	1100LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	30	1163LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	32	1165LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	34	1200LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	35	1206LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	36	1207LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	43	1261LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	44	1270LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	49	1310LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	50	1337LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	51	1342LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	56	1394LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	57	1410LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	64	1450LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	66	1466LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	68	1490LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	71	1508LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	76	1550LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	81	1572LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	84	1580LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	86	1588LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	87	1594LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	92	1620LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	93	1620LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	95	1625LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	98	1640LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	99	1655LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	101	1670LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	102	1675LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	105	1704LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	115	1740LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	117	1750LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	118	1752LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	119	1753LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	120	1756LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	124	1763LINE	22C (ESA)	FIX	Recond	-700	Off	

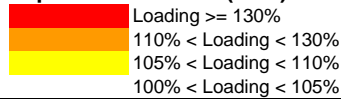
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	126	1766LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	127	1767LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	128	1769LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	130	1771LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	131	1772LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	133	1775LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	135	1779LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	139	1785LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	140	1786LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	141	1788LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	143	1792LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	144	1800-1860LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	145	1810LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	149	1825LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	150	1830LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	159	1900LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	160	1910LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	161	1921LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	162	1950LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	163	1975LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	171	8600LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	172	8700LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	179	9500LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	180	9502LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	223	376LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	224	381LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	225	381LREAC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	239	1060-1270DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.5	241	1080-1280DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	249	1208-1640DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	251	1261-1620DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	261	1440-1450DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	274	1620-1975DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	311	MANCHAUTO1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	322	LOSSNHAV	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	323	LOSSNOR1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	324	LOSSNOR2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	332	BOKUM1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	333	BOKUM2T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	334	BOKUM3T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	335	BRANFORD1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	336	BRANFORD2T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	348	DEVON4TSTK	22C (ESA)	FIX	Recond	-700	Off	

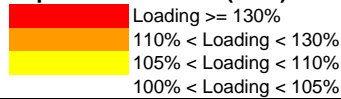
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	353	DEVON11TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	354	DEVON12TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	380	HADDAMAT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	381	HADDAMBT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	423	SOTHNGTN25T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.5	429	TRIANGLE2T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	433	WALLING2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	434	WALLING3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	438	WATERST2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	443	WESTON1T	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	456	NOMNTSTBKR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.5	267.6	256	104.5	457	NMSTBKREAC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.6	267.6	256	104.5	473	SNG-PEQTAP	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	261	256	104.4	458	SGTN4TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	21	1050+1766LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	265.3	256	104.4	31	1163+1910LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	265.3	256	104.4	83	1575LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	136	1780LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	142	1790LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	186	88005ALINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	265.3	256	104.4	272	1580-1585DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	265.3	256	104.4	340	BUNKERHIT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	363	DEVSWST4TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	265.3	256	104.4	367	FROSTBR15T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	265.3	256	104.4	387	NOHAVN1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	265.3	256	104.4	413	SNAUGALT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	265.3	256	104.4	424	SOTHNGTN26T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263.6	256	104.4	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	263.6	256	104.4	255	1355-1610DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263.6	256	104.4	262	1470-1565DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263.6	256	104.4	398	PEACEABLE1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	263.6	256	104.4	415	SOTHNGTN13T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	263.6	256	104.4	430	TRIANGLE3T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263.6	256	104.4	444	WOODMNT1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263.6	256	104.4	478	NEWDEV2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	263	256	104.4	339	COLONY1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263	256	104.4	402	QUINIPACST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	263	256	104.4	471	DEV-XFR	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.6	256	104.4	72	1515LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	91	1618LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	96	1630LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.6	256	104.4	103	1685LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	114	1732LINE	22C (ESA)	FIX	Recond	-700	Off	

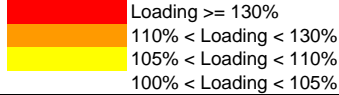
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.6	256	104.4	132	1773LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.4	134	1777LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.6	256	104.4	137	1783LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	174	8809ALINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.4	200	301-302LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.4	238	1060-1165DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	248	1207-1775DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.4	267.6	256	104.4	288	1777-1779DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.3	267.6	256	104.4	359	DEVON27TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	388	NOHAVN2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	432	WALLING1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.2	267.6	256	104.4	477	NEWDEV1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	261	256	104.3	382	MIXAVE1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	265.3	256	104.3	12	100+400LINES	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	265.3	256	104.3	189	88006ALINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	265.3	256	104.3	198	89006BLINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	265.3	256	104.3	216	352LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	265.3	256	104.3	244	1100-1300DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	265.3	256	104.3	278	1668-1721DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	265.3	256	104.3	375	GRNDV4TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	265.3	256	104.3	378	GRNDV7TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	254.6	256	104.3	298	8100-8200DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263.6	256	104.3	69	1500LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	263.6	256	104.3	70	1505LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263.6	256	104.3	88	1605LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	263.6	256	104.3	243	1100-1200DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263.6	256	104.3	253	1280-1870DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	263.6	256	104.3	341	BUNKERH2T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263.6	256	104.3	408	SACKETST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263	256	104.3	286	1800-1825DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	263	256	104.3	375	GREENHLL2T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	263	256	104.3	426	TRIANGLE3T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.3	14	500LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.3	80	1570LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	267.6	256	104.3	148	1821LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	267.6	256	104.3	152	1836LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267.1	267.6	256	104.3	177	8909BLINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	267	267.6	256	104.3	286	1751-1777DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.3	350	DEVON7TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	261	256	104.2	261	1505-1607DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	261	256	104.2	427	TRIANGLE4T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	24	1070+1490LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	39	1235LINE	6C (ESA)	FIX	Recond	0	Off	

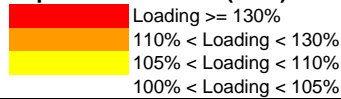
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	77	1550+1950LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	184	88003ALINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	192	89003BLINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	265.3	256	104.2	328	BAIRDASTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	265.3	256	104.2	360	DEVSWST1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	265.3	256	104.2	362	DEVSWST3TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	389	NWALLING1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	265.3	256	104.2	414	SOTHNGTN12T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	265.3	256	104.2	483	1466-362EDCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	259.8	256	104.2	458	SGTN4TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263.6	256	104.2	123	1760+1876LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263.6	256	104.2	217	352+AUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263.6	256	104.2	309	329-352DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263.6	256	104.2	331	BECONFLSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263.6	256	104.2	419	SOTHNGTN20T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	252.9	256	104.2	229	393LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263	256	104.2	201	318LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263	256	104.2	249	1280-1870DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	263	256	104.2	264	1570-1575DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	263	256	104.2	404	SACKETST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	263	256	104.2	424	TRPFALLST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263	256	104.2	457	SGTN3TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	267.6	256	104.2	25	1080LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.6	256	104.2	41	1238+1813LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.2	110	1726LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.6	256	104.2	187	88005ALINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.6	256	104.2	194	89005BLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.6	256	104.2	195	89005BLINE-1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.2	202	312LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.2	203	312+393LNS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.9	267.6	256	104.2	204	312+393REAC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.8	267.6	256	104.2	216	352LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.6	256	104.2	220	368LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.6	256	104.2	269	1570-1580DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.7	267.6	256	104.2	470	devon-eshr1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	265.3	256	104.1	19	1000LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	265.3	256	104.1	215	348N+AUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	265.3	256	104.1	217	352+AUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	265.3	256	104.1	237	1000-1090DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	265.3	256	104.1	309	329-352DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	265.3	256	104.1	369	FROSTBR27T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	265.3	256	104.1	374	GRNDAV3TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	265.3	256	104.1	460	SGTN1TSTK	6C (ESA)	FIX	Recond	0	Off	

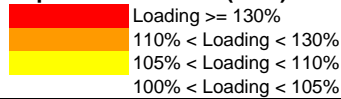
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	265.3	256	104.1	479	362ELINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	263.6	256	104.1	104	1690LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	263.6	256	104.1	234	PLUMNOR	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263.6	256	104.1	257	1394-1515DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263.6	256	104.1	271	1575-1990DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263.6	256	104.1	385	MLLRVR2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263.6	256	104.1	404	PLUMTREE28T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	263.6	256	104.1	440	WBROOKFLD1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	252.9	256	104.1	234	PLUMNOR	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263	256	104.1	65	1500LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263	256	104.1	84	1605LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263	256	104.1	119	1760+1876LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	263	256	104.1	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263	256	104.1	251	1355-1610DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263	256	104.1	400	PLUMTREE28T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	263	256	104.1	411	SOTHNGTN13T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	267.6	256	104.1	242	1080-1490DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.5	267.6	256	104.1	277	1637-1720DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	267.6	256	104.1	310	371-383DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.6	256.8	256	104.1	254	1310-1763DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	261	256	104.0	263	1560-1570DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	13	400LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	18	694LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	42	1250LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	78	1560LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	90	1610LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	122	1760LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	165	1990LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	166	8100LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	167	8200LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	169	8400LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	175	8809ALINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	178	8909BLINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	182	88003ALINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	190	89003BLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	308	310-383DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	361	DEVSWT2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	365	ESHORE12TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	265.3	256	104.0	372	GRNDAV1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	441	WRIVER1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	265.3	256	104.0	442	WRIVER2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	265.3	256	104.0	445	WOODMNT2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	265.3	256	104.0	459	SCOVKR8TSTK	6C (ESA)	FIX	Recond	0	Off	

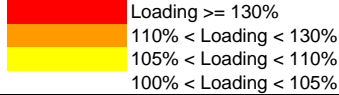
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	259.8	256	104.0	243	1163-1550D-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	259.8	256	104.0	283	1770-1887DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	259.8	256	104.0	285	1800-1810DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	259.8	256	104.0	418	SOTHNGTN24T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	259.8	256	104.0	421	SOTHNGTN28T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	259.8	256	104.0	422	STEVENSNSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	259.8	256	104.0	423	STONYHILL1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.4	263.6	256	104.0	52	1355LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263.6	256	104.0	280	1670-1830DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263.6	256	104.0	364	EMERIDEN1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	263.6	256	104.0	382	HAWTHORNST	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263.6	256	104.0	383	JUNEST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	263.6	256	104.0	384	MLLRVRT1STK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263.6	256	104.0	418	SOTHNGTN16T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	252.9	256	104.0	474	SNGPEQ-XFR	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	66	1505LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	239	1100-1200DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	337	BUNKERH2T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	372	GRNDV5TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	373	GRNDV6TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	263	256	104.0	415	SOTHNGTN20T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	263	256	104.0	440	WOODMNT1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	263	256	104.0	459	SGTN5TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	267.6	256	104.0	74	1545LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	267.6	256	104.0	188	88005ALINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	267.6	256	104.0	196	89005BLINE-2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	267.6	256	104.0	217	352+AUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.3	267.6	256	104.0	309	329-352DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	267.6	256	104.0	480	362WLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.2	267.6	256	104.0	484	1975-362WDCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	265.3	256	103.9	15	667-690LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	265.3	256	103.9	47	1280LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	265.3	256	103.9	107	1720LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	265.3	256	103.9	157	1887LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	265.3	256	103.9	185	88003ALINE-3	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	265.3	256	103.9	193	89003BLINE-3	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	265.3	256	103.9	201	310LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	265.3	256	103.9	214	348NLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	265.3	256	103.9	368	FROSTBR21T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	265.3	256	103.9	464	SGTN6TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	254.6	256	103.9	356	DEVON24TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	259.8	256	103.9	382	MIXAVE1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263.6	256	103.9	129	1770LINE	14C (ESA)	FIX	Recond	700	Off	

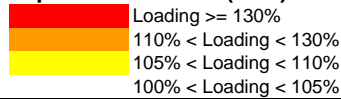
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	263.6	256	103.9	270	1575-1585DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263.6	256	103.9	291	1810-1825DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	263.6	256	103.9	339	BROADWYST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263.6	256	103.9	342	BUNKERH3T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263.6	256	103.9	376	GRNDAV5TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263.6	256	103.9	377	GRNDAV6TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263.6	256	103.9	403	PLUMTREE25T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263.6	256	103.9	420	SOTHNGTN22T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263.6	256	103.9	465	SGTN7TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263	256	103.9	253	1394-1515DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263	256	103.9	258	1470-1565DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263	256	103.9	267	1575-1990DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263	256	103.9	327	BECONFLSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263	256	103.9	381	MLLRVR2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263	256	103.9	394	PEACEABLE1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	263	256	103.9	436	WBROOKFLD1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	263	256	103.9	474	NEWDEV2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266	267.6	256	103.9	53	ONE1385	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	267.6	256	103.9	146	1813LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	267.6	256	103.9	276	1622-1887DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.9	267.6	256	103.9	410	SHEPAUG13A	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	266.1	267.6	256	103.9	467	SINGDEV1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	250.4	256	103.8	294	8100-8200DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	37	1208LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	45	1272LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	63	1445LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	82	1572+1772LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	85	1585LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	89	1607LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	112	1730BLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.8	154	1870LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	181	84004LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	197	89006BLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.8	224	381LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.8	225	381LREAC	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	240	1070-1080DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	313	SOUTH1XAUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	325	ALLINGS1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	326	ALLINGS2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	338	BRANFRDRR1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	351	DEVON8TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	352	DEVON10TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	265.3	256	103.8	373	GRNDAV2TSTK	6C (ESA)	FIX	Recond	0	Off	

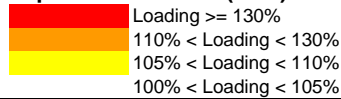
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	416	SOTHNGTN14T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	435	WALLING4TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	265.3	256	103.8	436	WALLING5TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	259.8	256	103.8	427	TRIANGLE4T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263.6	256	103.8	46	1272+1445LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263.6	256	103.8	62	1443+1759LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263.6	256	103.8	147	1820LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263.6	256	103.8	186	88005ALINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263.6	256	103.8	285	1732-1788DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263.6	256	103.8	363	DEVSWST4TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263.6	256	103.8	387	NOHAVN1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263.6	256	103.8	421	SOTHNGTN23T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263	256	103.8	48	1355LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263	256	103.8	100	1690LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263	256	103.8	182	88005ALINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263	256	103.8	203	329LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263	256	103.8	276	1670-1830DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	263	256	103.8	359	DEVSWST4TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	263	256	103.8	414	SOTHNGTN16T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.7	267.6	256	103.8	40	1238LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.8	267.6	256	103.8	48	1300LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	261	256	103.7	326	BATESROCK1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	261	256	103.7	339	COLONY1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	261	256	103.7	459	SGTN5TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	23	1070LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	26	1090LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.7	33	1191LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.7	44	1270LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	265.3	256	103.7	60	1440LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	61	1443LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	65	1460LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	66	1466LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	73	1537LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.7	86	1588LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	98	1640LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	100	1668LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	102	1675LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	108	1721LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	115	1740LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	119	1753LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	121	1759LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	125	1765LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	130	1771LINE	6C (ESA)	FIX	Recond	0	Off	

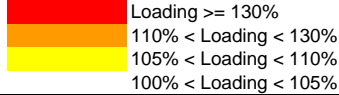
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	143	1792LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.7	145	1810LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	151	1835LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	161	1921LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	265.3	256	103.7	168	8300LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	170	8500LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	172	8700LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	265.3	256	103.7	173	8804ALINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	265.3	256	103.7	176	8904BLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	180	9502LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	183	88003ALINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	191	89003BLINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	249	1208-1640DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.7	273	1580-1730BDC	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	279	1670-1771DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	314	SOUTH2XAUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.7	329	BAIRDBSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	265.3	256	103.7	337	BRANFORD4T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	407	ROCKRIVER1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	417	SOTHNGTN15T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	423	SOTHNGTN25T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	434	WALLING3TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	437	WATERST1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	265.3	256	103.7	438	WATERST2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	259.8	256	103.7	261	1505-1607DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	248.6	256	103.7	452	NOMNTSTBKR	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	248.6	256	103.7	453	NMSTBKREAC	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	12	100+400LINES	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263.6	256	103.7	21	1050+1766LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	31	1163+1910LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263.6	256	103.7	83	1575LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263.6	256	103.7	136	1780LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263.6	256	103.7	142	1790LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263.6	256	103.7	272	1580-1585DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	278	1668-1721DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263.6	256	103.7	340	BUNKERH1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	367	FROSTBR15T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	375	GRNDAV4TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	378	GRNDAV7TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263.6	256	103.7	413	SNAUGA1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263.6	256	103.7	424	SOTHNGTN26T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	125	1770LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	206	347LINE	18C (ESA)	FIX	Recond	-700	On	

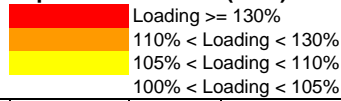
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	207	347LREAC	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.4	263	256	103.7	335	BROADWYST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263	256	103.7	360	EMERIDEN1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	371	GRNDAV4TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	374	GRNDAV7TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263	256	103.7	378	HAWTHORNST	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	379	JUNEST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.6	263	256	103.7	380	MLLRVR1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	263	256	103.7	399	PLUMFREE25T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	267.6	256	103.7	97	1637LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	267.6	256	103.7	355	DEVON23TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.5	267.6	256	103.7	357	DEVON25TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	261	256	103.6	286	1800-1825DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	261	256	103.6	375	GREENHLL2T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	261	256	103.6	402	QUINIPACST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	261	256	103.6	426	TRIANGLE3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	261	256	103.6	471	DEV-XFR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	11	100LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	16	689LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	17	693LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	20	1050LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	22	1060LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	27	1100LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	30	1163LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	32	1165LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	34	1200LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	35	1206LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	36	1207LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	43	1261LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	49	1310LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	50	1337LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	51	1342LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	56	1394LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	57	1410LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	64	1450LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	68	1490LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	71	1508LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	76	1550LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	81	1572LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	84	1580LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	87	1594LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	92	1620SLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	93	1620NLINE	6C (ESA)	FIX	Recond	0	Off	

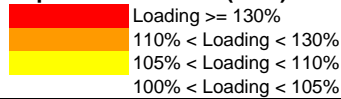
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	95	1625LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	99	1655LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	101	1670LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	105	1704LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	117	1751LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.6	118	1752LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	120	1756LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	124	1763LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	126	1766LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	127	1767LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	128	1769LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	131	1772LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	133	1775LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	135	1779LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	138	1784LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	139	1785LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	140	1786LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	141	1788LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	144	1800-1860LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	149	1825LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	150	1830LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	155	1876LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	159	1900LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	160	1910LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	162	1950LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	163	1975LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	171	8600LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	179	9500LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	223	376LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.6	238	1060-1165DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	239	1060-1270DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	251	1261-1620DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	261	1440-1450DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	274	1620-1975DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.6	307	310-368DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	311	MANCHAUTO1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	322	LOSSNHAV	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	323	LOSSNOR1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	324	LOSSNOR2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	332	BOKUM1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	333	BOKUM2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	334	BOKUM3T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	335	BRANFORD1T	6C (ESA)	FIX	Recond	0	Off	

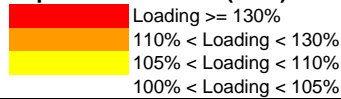
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	336	BRANFORD2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	348	DEVON4TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	353	DEVON11TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	354	DEVON12TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.6	359	DEVON27TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	380	HADDAMAT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	381	HADDAMBT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	265.3	256	103.6	429	TRIANGLE2T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	433	WALLING2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.6	443	WESTON1T	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	265.3	256	103.6	473	SNG-PEQTAP	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	259.8	256	103.6	459	SGTN5TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	24	1070+1490LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	39	1235LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	77	1550+1950LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263.6	256	103.6	184	88003ALINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263.6	256	103.6	189	88006ALINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263.6	256	103.6	192	89003BLINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263.6	256	103.6	198	89006BLINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263.6	256	103.6	244	1100-1300DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	328	BAIRDASTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	360	DEVSWST1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	362	DEVSWST3TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263.6	256	103.6	414	SOTHNGTN12T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.6	479	362ELINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263.6	256	103.6	483	1466-362EDCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	252.9	256	103.6	298	8100-8200DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263	256	103.6	42	1272+1445LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263	256	103.6	58	1443+1759LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	143	1820LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263	256	103.6	180	88003ALINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263	256	103.6	188	89003BLINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263	256	103.6	266	1575-1585DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	281	1732-1788DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	287	1810-1825DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	338	BUNKERH3T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263	256	103.6	356	DEVSWST1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263	256	103.6	358	DEVSWST3TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	383	NOHAVN1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	263	256	103.6	416	SOTHNGTN22T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	417	SOTHNGTN23T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	461	SGTN7TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	263	256	103.6	472	ESHR-XFR	18C (ESA)	FIX	Recond	-700	On	

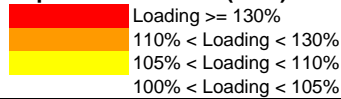
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	267.6	256	103.6	75	1545+SPS	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	267.6	256	103.6	94	1622LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	267.6	256	103.6	109	1722LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	267.6	256	103.6	221	371LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	267.6	256	103.6	229	393LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.3	267.6	256	103.6	466	NORSING1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.2	267.6	256	103.6	469	devonstuck	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	261	256	103.5	201	318LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	261	256	103.5	203	329LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	261	256	103.5	264	1570-1575DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	261	256	103.5	424	TRPFALLST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	261	256	103.5	457	SGTN3TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	72	1515LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	91	1618LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	96	1630LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.5	103	1685LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	114	1732LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	132	1773LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.5	134	1777LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	137	1783LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	174	8809ALINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	177	8909BLINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	200	301-302LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	265.3	256	103.5	226	383LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	265.3	256	103.5	241	1080-1280DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	248	1207-1775DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	265.3	256	103.5	288	1777-1779DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	388	NOHAVN2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	432	WALLING1TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	265.3	256	103.5	477	NEWDEV1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	263.6	256	103.5	237	1000-1090DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	263.6	256	103.5	389	NWALLING1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	263	256	103.5	79	1575LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	263	256	103.5	185	88006ALINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	263	256	103.5	194	89006BLINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.5	268	1580-1585DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265	263	256	103.5	304	310-383DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	263	256	103.5	336	BUNKERH1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.9	263	256	103.5	363	FROSTBR15T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.5	409	SNAUGA1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	267.6	256	103.5	113	1730CLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	267.6	256	103.5	222	371+AUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	265.1	267.6	256	103.5	401	PEQUON32TSTK	22C (ESA)	FIX	Recond	-700	Off	

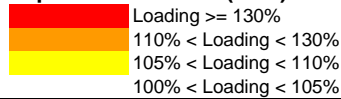
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261	256	103.4	249	1280-1870DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261	256	103.4	251	1355-1610DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261	256	103.4	258	1470-1565DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	261	256	103.4	394	PEACEABLE1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	261	256	103.4	404	SACKETST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	261	256	103.4	411	SOTHNGTNI3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	265.3	256	103.4	14	500LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	265.3	256	103.4	80	1570LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	265.3	256	103.4	148	182LLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	265.3	256	103.4	152	1836LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	265.3	256	103.4	187	88005ALINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	265.3	256	103.4	195	89005BLINE-1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	265.3	256	103.4	210	347LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	265.3	256	103.4	211	347LREAC	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	265.3	256	103.4	286	1751-1777DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	265.3	256	103.4	350	DEVON7TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	259.8	256	103.4	203	329LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	259.8	256	103.4	230	PLUMNOR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	259.8	256	103.4	263	1560-1570DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	18	694LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263.6	256	103.4	19	1000LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	166	8100LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	167	8200LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	175	8809ALINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	178	8909BLINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	182	88003ALINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	190	89003BLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	215	348N+AUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	361	DEVSWST2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263.6	256	103.4	365	ESHORE12TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	369	FROSTBR27T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	372	GRNDAV1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	374	GRNDAV3TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	441	WRIVER1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263.6	256	103.4	442	WRIVER2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263.6	256	103.4	460	SGTNI1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	8	100+400LINES	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	17	1050+1766LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	27	1163+1910LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263	256	103.4	132	1780LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263	256	103.4	138	1790LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263	256	103.4	178	88003ALINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.6	263	256	103.4	186	89003BLINE	18C (ESA)	FIX	Recond	-700	On	

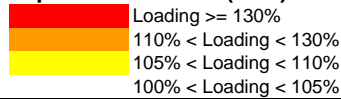
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263	256	103.4	240	1100-1300DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	274	1668-1721DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	324	BAIRDASTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	357	DEVSWST2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	263	256	103.4	420	SOTHNGTN26T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263	256	103.4	437	WRIVER1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.7	263	256	103.4	438	WRIVER2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	252.5	256	103.4	470	SNGPEQ-XFR	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.8	267.6	256	103.4	7	1759-353NDCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	261	256	103.3	65	1500LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	66	1505LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	261	256	103.3	84	1605LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	119	1760+1876LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	239	1100-1200DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	261	256	103.3	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	372	GRNDAV6TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	373	GRNDAV6TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	261	256	103.3	440	WOODMNT1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	265.3	256	103.3	25	1080LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	265.3	256	103.3	41	1238+1813LNS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	265.3	256	103.3	110	1726LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	265.3	256	103.3	194	89005BLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	265.3	256	103.3	269	1570-1580DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	254.6	256	103.3	254	1310-1763DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	248.6	256	103.3	230	PLUMNOR	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	13	400LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	42	1250LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	78	1560LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	90	1610LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	165	1990LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	169	8400LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263.6	256	103.3	185	88003ALINE-3	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263.6	256	103.3	193	89003BLINE-3	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263.6	256	103.3	214	348NLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	445	WOODMNT2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263.6	256	103.3	459	SCOVK8TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	252.9	256	103.3	356	DEVON24TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263	256	103.3	20	1070+1490LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	263	256	103.3	35	1235LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263	256	103.3	73	1550+1950LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263	256	103.3	181	88003ALINE-3	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263	256	103.3	189	89003BLINE-3	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.4	263	256	103.3	385	NWALLING1T	18C (ESA)	FIX	Recond	-700	On	

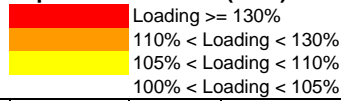
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	267.6	256	103.3	264	1470-1720DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	267.6	256	103.3	390	NORWALKST1	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.5	267.6	256	103.3	402	PEQUON42TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261	256	103.2	337	BUNKERH2T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	261	256	103.2	381	MLLRVR2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	261	256	103.2	400	PLUMTREE28T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	261	256	103.2	415	SOTHNGTN20T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	265.3	256	103.2	220	368LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	265.3	256	103.2	242	1080-1490DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	265.3	256	103.2	470	devon-eshr1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	259.8	256	103.2	258	1470-1565DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	259.8	256	103.2	339	COLONY1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	259.8	256	103.2	394	PEACEABLE1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	259.8	256	103.2	402	QUINIPACST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	248.6	256	103.2	198	312LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	248.6	256	103.2	199	312+393LNS	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	248.6	256	103.2	200	312+393REAC	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	15	667-690LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	37	1208LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	47	1280LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	82	1572+1772LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	89	1607LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	107	1720LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263.6	256	103.2	122	1760LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	157	1887LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	197	89006BLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263.6	256	103.2	201	310LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	224	381LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	225	381LREAC	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	240	1070-1080DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	313	SOUTH1XAUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	325	ALLINGS1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	326	ALLINGS2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	368	FROSTBR21T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	416	SOTHNGTN14T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	435	WALLING4TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263.6	256	103.2	436	WALLING5TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263.6	256	103.2	464	SGTN6TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263	256	103.2	15	1000LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	118	1760LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	162	8100LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	163	8200LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263	256	103.2	165	8400LINE	18C (ESA)	FIX	Recond	-700	On	

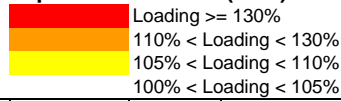
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263	256	103.2	171	8809ALINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263	256	103.2	174	8909BLINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263	256	103.2	193	89006BLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	233	1000-1090DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	321	ALLINGS1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	322	ALLINGS2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263	256	103.2	325	BAIRDBSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263	256	103.2	365	FROSTBR27T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	368	GRNDAV1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	263	256	103.2	370	GRNDAV3TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.3	263	256	103.2	410	SOTHNGTIN12T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.1	263	256	103.2	479	1466-362EDCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264.2	267.6	256	103.2	471	devon-eshr2	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261	256	103.1	100	1690LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	182	88005ALINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	253	1394-1515DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	267	1575-1990DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	327	BECONFLSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	359	DEVSWST4TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	261	256	103.1	436	WBROOKFLD1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261	256	103.1	474	NEWDEV2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	265.3	256	103.1	74	1545LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	265.3	256	103.1	188	88005ALINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	265.3	256	103.1	196	89005BLINE-2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	259.8	256	103.1	201	318LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	259.8	256	103.1	286	1800-1825DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	259.8	256	103.1	326	BATESROCK1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	259.8	256	103.1	375	GREENHLL2T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	259.8	256	103.1	426	TRIANGLE3T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	259.8	256	103.1	457	SGTN3TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	259.8	256	103.1	471	DEV-XFR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	248.6	256	103.1	294	8100-8200DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	45	1272LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	63	1445LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	263.6	256	103.1	85	1585LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	112	1730BLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263.6	256	103.1	173	8804ALINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263.6	256	103.1	176	8904BLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	181	84004LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	263.6	256	103.1	273	1580-1730BDC	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	329	BAIRDBSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263.6	256	103.1	337	BRANFORD4T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	338	BRANFRDRR1T	14C (ESA)	FIX	Recond	700	Off	

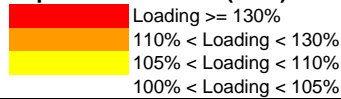
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	351	DEVON8TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	352	DEVON10TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263.6	256	103.1	373	GRNDAV2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.1	9	400LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263	256	103.1	14	694LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.1	38	1250LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.1	43	1280LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263	256	103.1	161	1990LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263	256	103.1	211	348N+AUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	263	256	103.1	456	SGTN1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	263	256	103.1	475	362ELINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	267.6	256	103.1	316	LOSSDEV7	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	264	267.6	256	103.1	468	SINGERSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	256.8	256	103.1	210	347LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.9	256.8	256	103.1	211	347LREAC	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261	256	103.0	48	1355LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261	256	103.0	276	1670-1830DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	261	256	103.0	360	EMERIDEN1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261	256	103.0	371	GRNDAV4TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261	256	103.0	374	GRNDAV7TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261	256	103.0	379	JUNEST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	261	256	103.0	380	MLLRVRT1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	261	256	103.0	414	SOTHNGTN16T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	265.3	256	103.0	53	ONE1385	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	265.3	256	103.0	146	1813LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	265.3	256	103.0	277	1637-1720DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	265.3	256	103.0	480	362WLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	265.3	256	103.0	484	1975-362WDCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	259.8	256	103.0	264	1570-1575DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	259.8	256	103.0	424	TRPFALLST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	16	689LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	17	693LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	22	1060LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	23	1070LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	26	1090LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	27	1100LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	30	1163LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	32	1165LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	33	1191LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	34	1200LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	43	1264LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	44	1270LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	50	1337LINE	14C (ESA)	FIX	Recond	700	Off	

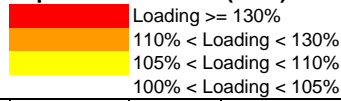
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	51	1342LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	57	1410LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	60	1440LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	61	1443LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	65	1460LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	66	1466LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	68	1490LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	71	1508LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	73	1537LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	76	1550LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	86	1588LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	87	1594LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	92	1620SLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	98	1640LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	99	1655LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	100	1668LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	101	1670LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	102	1675LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	105	1704LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	108	1721LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	115	1740LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	119	1753LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	120	1756LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	121	1759LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	125	1765LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	126	1766LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	128	1769LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	130	1771LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	135	1779LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	139	1785LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	140	1786LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	141	1788LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	143	1792LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	145	1810LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	149	1825LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	150	1830LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	151	1835LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263.6	256	103.0	154	1870LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	159	1900LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	160	1910LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	161	1921LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	162	1950LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	163	1975LINE	14C (ESA)	FIX	Recond	700	Off	

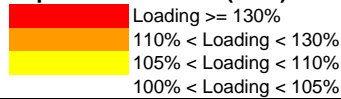
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263.6	256	103.0	168	8300LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	170	8500LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	171	8600LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	172	8700LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	179	9500LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	180	9502LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	183	88003ALINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	191	89003BLINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	239	1060-1270DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	249	1208-1640DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	261	1440-1450DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	279	1670-1771DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	308	310-383DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	314	SOUTH2XAUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	322	LOSSNHAV	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	323	LOSSNOR1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	324	LOSSNOR2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	333	BOKUM2T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	334	BOKUM3T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	348	DEVON4TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	354	DEVON12TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	407	ROCKRIVER1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	417	SOTHNGTN15T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	423	SOTHNGTN25T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	433	WALLING2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	434	WALLING3TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	437	WATERST1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263.6	256	103.0	438	WATERST2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	103.0	473	SNG-PEQTAP	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.0	74	1560LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263	256	103.0	86	1610LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263	256	103.0	103	1720LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.0	153	1887LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.0	169	8804ALINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.0	172	8904BLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263	256	103.0	177	84004LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	263	256	103.0	197	310LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263	256	103.0	210	348NLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	263	256	103.0	364	FROSTBR21T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	267.6	256	103.0	219	364+AUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.8	267.6	256	103.0	358	DEVON26TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.7	267.6	256	103.0	455	MONTVSTBKR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261	256	102.9	125	1770LINE	2C (ESA)	FIX	Recond	0	On	

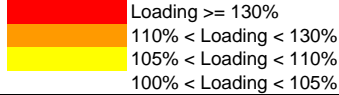
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261	256	102.9	266	1575-1585DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261	256	102.9	287	1810-1825DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261	256	102.9	335	BROADWYST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261	256	102.9	356	DEVSWST1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261	256	102.9	358	DEVSWST3TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261	256	102.9	378	HAWTHORNST	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	261	256	102.9	399	PLUMTREE25T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	261	256	102.9	416	SOTHNGTN22T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	265.3	256	102.9	40	L238LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	265.3	256	102.9	48	L300LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	265.3	256	102.9	276	1622-1887DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	265.3	256	102.9	310	371-383DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	265.3	256	102.9	410	SHEPAUG13A	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	265.3	256	102.9	467	SINGDEV1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	259.8	256	102.9	251	1355-1610DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	259.8	256	102.9	404	SACKETST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	259.8	256	102.9	411	SOTHNGTN13T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	11	L00LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	20	L050LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	35	L206LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	36	L207LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	49	L310LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	56	L394LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	64	L450LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263.6	256	102.9	72	L515LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	81	L572LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	84	L580LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	93	L620LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	95	L625LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	103	L685LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	117	L751LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	118	L752LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	124	L763LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	127	L767LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	131	L772LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	133	L775LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	134	L777LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	138	L784LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	144	1800-1860LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	155	L876LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	174	8809ALINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263.6	256	102.9	177	8909BLINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	223	376LINE	14C (ESA)	FIX	Recond	700	Off	

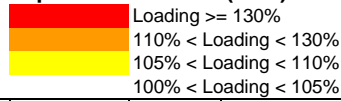
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	238	1060-1165DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	251	1261-1620DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	274	1620-1975DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	288	1777-1779DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.6	263.6	256	102.9	311	MANCHAUTO1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	332	BOKUM1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	335	BRANFORD1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	336	BRANFORD2T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	353	DEVON11TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	359	DEVON27TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	380	HADDAMAT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263.6	256	102.9	381	HADDAMBT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263.6	256	102.9	429	TRIANGLE2T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	11	667-690LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	33	1208LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	41	1272LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263	256	102.9	59	1445LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	78	1572+1772LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	85	1607LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	108	1730BLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263	256	102.9	150	1870LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	236	1070-1080DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	309	SOUTHXAUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	334	BRANFRDRR1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	347	DEVON8TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	348	DEVON10TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	263	256	102.9	369	GRNDAV2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	412	SOTHNGTN14T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	431	WALLING4TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	432	WALLING5TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.9	441	WOODMNT2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	455	SCOVKR8TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	263	256	102.9	460	SGTNGTSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.5	267.6	256	102.9	67	1470LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	267.6	256	102.9	312	PLUMAUT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	256.8	256	102.9	247	1163-1550D-2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	256.8	256	102.9	287	1770-1887DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	256.8	256	102.9	425	SOTHNGTN28T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.4	256.8	256	102.9	427	STONYHILL1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	42	1272+1445LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	58	1443+1759LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261	256	102.8	143	1820LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	180	88003ALINE-2	2C (ESA)	FIX	Recond	0	On	

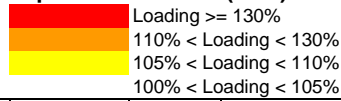
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261	256	102.8	185	88006ALINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	188	89003BLINE-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261	256	102.8	194	89006BLINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	281	1732-1788DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261	256	102.8	338	BUNKERH3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261	256	102.8	383	NOHAVN1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	261	256	102.8	417	SOTHNGTN23T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	261	256	102.8	461	SGTN7TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	261	256	102.8	472	ESHRR-XFR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	265.3	256	102.8	355	DEVON23TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	265.3	256	102.8	357	DEVON25TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	259.8	256	102.8	65	1500LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	259.8	256	102.8	66	1505LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	259.8	256	102.8	84	1605LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	259.8	256	102.8	212	352LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	259.8	256	102.8	239	1100-1200DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	259.8	256	102.8	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	259.8	256	102.8	249	1280-1870DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	259.8	256	102.8	372	GRNDAV5TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	259.8	256	102.8	373	GRNDAV6TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	259.8	256	102.8	440	WOODMNT1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263.6	256	102.8	91	1618LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263.6	256	102.8	96	1630LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263.6	256	102.8	114	1732LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263.6	256	102.8	132	1773LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263.6	256	102.8	137	1783LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	241	1080-1280DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	248	1207-1775DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	307	310-368DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	388	NOHAVN2TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263.6	256	102.8	432	WALLING1TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	443	WESTON1T	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263.6	256	102.8	477	NEWDEV1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.8	19	1070LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.8	22	1090LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.8	29	1191LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	56	1440LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	57	1443LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	61	1460LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	69	1537LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.8	81	1585LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	96	1668LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	104	1721LINE	18C (ESA)	FIX	Recond	-700	On	

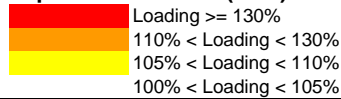
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	117	1759LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	134	1784LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.8	151	1876LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	164	8300LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	166	8500LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	179	88003ALINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	263	256	102.8	187	89003BLINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	222	3833LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	269	1580-1730BDC	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	275	1670-1771DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.8	310	SOUTH2XAUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	333	BRANFORD4T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	263	256	102.8	403	ROCKRIVER1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	263	256	102.8	413	SOTHNGTN15T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.8	433	WATERST1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	267.6	256	102.8	266	1545-1570DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.1	267.6	256	102.8	349	DEVON6TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	267.6	256	102.8	449	CARD2TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	267.6	256	102.8	485	362W-376DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	256.8	256	102.8	289	1800-1810DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.3	256.8	256	102.8	422	SOTHNGTN24T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263.2	256.8	256	102.8	426	STEVENSNSSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261	256	102.7	8	100+400LINES	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	17	1050+1766LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	27	1163+1910LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	79	1575LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	268	1580-1585DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	274	1668-1721DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	324	BAIRDASTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	261	256	102.7	336	BUNKERHIT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	261	256	102.7	357	DEVSWST2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	363	FROSTBRI15T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	409	SNAUGALT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	261	256	102.7	420	SOTHNGTN26T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261	256	102.7	437	WRIVER1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	261	256	102.7	438	WRIVER2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	265.3	256	102.7	75	1545+SPS	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	265.3	256	102.7	94	1622LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	265.3	256	102.7	97	1637LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	265.3	256	102.7	109	1722LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	259.8	256	102.7	119	1760+1876LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	259.8	256	102.7	182	88005ALINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	259.8	256	102.7	337	BUNKERH2T	10C (ESA)	FIX	Recond	700	On	

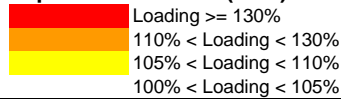
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	259.8	256	102.7	359	DEVSWST4TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	259.8	256	102.7	381	MLLRVR2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	259.8	256	102.7	415	SOTHNGTN20T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	14	500LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263.6	256	102.7	80	1570LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	148	1821LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	152	1836LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	187	88005ALINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263.6	256	102.7	194	89005BLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	195	89005BLINE-1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263.6	256	102.7	200	301-302LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263.6	256	102.7	286	1751-1777DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263.6	256	102.7	350	DEVON7TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	252.9	256	102.7	254	1310-1763DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	7	100LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	12	689LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	13	693LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	16	1050LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	18	1060LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	23	1100LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	26	1163LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	28	1165LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	30	1200LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	31	1206LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	32	1207LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	39	1261LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	40	1270LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	45	1310LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	46	1337LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	47	1342LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	52	1394LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	53	1410LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	60	1450LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	62	1466LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	64	1490LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	67	1508LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	72	1550LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	77	1572LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	80	1580LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	82	1588LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	83	1594LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	88	1620SLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	89	1620NLINE	18C (ESA)	FIX	Recond	-700	On	

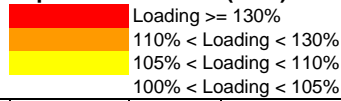
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	91	1625LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	94	1640LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	95	1655LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	97	1670LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	98	1675LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	101	1704LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	111	1740LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	113	1751LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	114	1752LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	115	1753LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	116	1756LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	120	1763LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	121	1765LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	122	1766LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	123	1767LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	124	1769LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	126	1771LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	127	1772LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	129	1775LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	131	1779LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	135	1785LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	136	1786LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	137	1788LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	139	1792LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	140	1800-1860LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	141	1810LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	145	1825LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	146	1830LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	147	1835LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	155	1900LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	156	1910LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	157	1921LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	158	1950LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	159	1975LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	167	8600LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	168	8700LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	170	8809ALINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	173	8909BLINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	175	9500LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	176	9502LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	183	88005ALINE-1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	190	89005BLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	191	89005BLINE-1	18C (ESA)	FIX	Recond	-700	On	

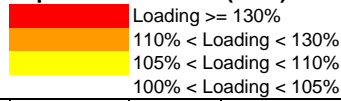
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	219	376LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	220	381LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	221	381LREAC	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	235	1060-1270DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	237	1080-1280DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	245	1208-1640DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	257	1440-1450DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	270	1620-1975DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	303	310-368DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	307	MANCHAUTO1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	319	LOSSNOR1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	320	LOSSNOR2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	329	BOKUM2T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	330	BOKUM3T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	331	BRANFORD1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	332	BRANFORD2T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	344	DEVON4TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	349	DEVON11TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	350	DEVON12TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.9	263	256	102.7	376	HADDAMAT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	419	SOTHNGTN25T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.7	425	TRIANGLE2T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	429	WALLING2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	430	WALLING3TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	434	WATERST2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	263	256	102.7	469	SNG-PEQTAP	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	252.5	256	102.7	352	DEVON24TSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	263	267.6	256	102.7	1	353NLINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261	256	102.6	132	1780LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261	256	102.6	138	1790LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261	256	102.6	178	88003ALINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261	256	102.6	186	89003BLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	261	256	102.6	240	1100-1300DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	250.4	256	102.6	470	SNGPEQ-XFR	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	265.3	256	102.6	113	1730CLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	265.3	256	102.6	221	371LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	265.3	256	102.6	264	1470-1720DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	265.3	256	102.6	390	NORWALKST1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	265.3	256	102.6	401	PEQUON32TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	254.6	256	102.6	234	PLUMNOR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	259.8	256	102.6	100	1690LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	259.8	256	102.6	253	1394-1515DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	259.8	256	102.6	267	1575-1990DCT	10C (ESA)	FIX	Recond	700	On	

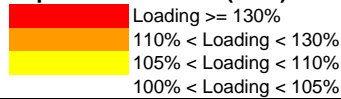
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	259.8	256	102.6	327	BECONFLSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	259.8	256	102.6	400	PLUMTREE28T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	259.8	256	102.6	436	WBROOKFLD1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	263.6	256	102.6	25	1080LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	263.6	256	102.6	41	1238+1813LNS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263.6	256	102.6	110	1726LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	263.6	256	102.6	226	383LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	263.6	256	102.6	242	1080-1490DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263.6	256	102.6	269	1570-1580DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	68	1515LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	87	1618LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.6	92	1630LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	99	1685LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	110	1732LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	128	1773LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	130	1777LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	133	1783LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.6	196	301-302LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.6	234	1060-1165DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	263	256	102.6	244	1207-1775DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	247	1261-1620DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	284	1777-1779DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	328	BOKUM1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	355	DEVON27TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	377	HADDAMBT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.6	384	NOHAVN2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.8	263	256	102.6	428	WALLING1TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.7	263	256	102.6	439	WESTON1T	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	263	256	102.6	473	NEWDEV1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	267.6	256	102.6	6	353N+AUTO	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	267.6	256	102.6	306	310-348DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	256.8	256	102.6	265	1505-1607DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.6	256.8	256	102.6	431	TRIANGLE4T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	20	1070+1490LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	35	1235LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	73	1550+1950LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	261	256	102.5	171	8809ALINE-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	261	256	102.5	174	8909BLINE-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	181	88003ALINE-3	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	189	89003BLINE-3	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	193	89006BLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	261	256	102.5	212	352LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261	256	102.5	233	1000-1090DCT	2C (ESA)	FIX	Recond	0	On	

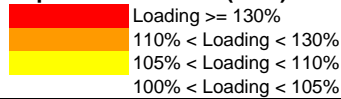
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261	256	102.5	325	BAIRDBSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261	256	102.5	368	GRNDAV1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261	256	102.5	370	GRNDAV3TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	261	256	102.5	385	NWALLING1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	261	256	102.5	410	SOTHNGTN12T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	261	256	102.5	479	1466-362EDCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	265.3	256	102.5	222	371+AUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	265.3	256	102.5	234	PLUMNOR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	265.3	256	102.5	469	devonstuck	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	259.8	256	102.5	48	1355LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	259.8	256	102.5	213	352+AUTO	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	259.8	256	102.5	276	1670-1830DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	259.8	256	102.5	305	329-352DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	259.8	256	102.5	356	DEVSWST1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	259.8	256	102.5	358	DEVSWST3TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	259.8	256	102.5	360	EMERIDEN1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	259.8	256	102.5	371	GRNDAV4TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	259.8	256	102.5	374	GRNDAV7TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	259.8	256	102.5	379	JUNEST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	259.8	256	102.5	380	MLLRVRLTSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	259.8	256	102.5	414	SOTHNGTN16T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	259.8	256	102.5	474	NEWDEV2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263.6	256	102.5	188	88005ALINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263.6	256	102.5	196	89005BLINE-2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	263.6	256	102.5	470	devon-eshr1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263	256	102.5	10	500LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	263	256	102.5	144	1821LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	263	256	102.5	148	1836LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	263	256	102.5	282	1751-1777DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.4	252.5	256	102.5	250	1310-1763DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	267.6	256	102.5	8	1767-353NDCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.5	256.8	256	102.5	478	NEWDEV2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	261	256	102.4	14	694LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	15	1000LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261	256	102.4	161	1990LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	162	8100LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	163	8200LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261	256	102.4	165	8400LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	261	256	102.4	211	348N+AUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261	256	102.4	304	310-383DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	321	ALLINGS1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	322	ALLINGS2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	261	256	102.4	365	FROSTBR27T	2C (ESA)	FIX	Recond	0	On	

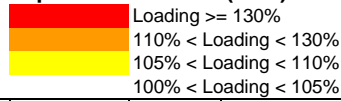
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	261	256	102.4	456	SGTN1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	261	256	102.4	475	362ELINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	265.3	256	102.4	402	PEQUON42TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	265.3	256	102.4	466	NORSING1	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	259.8	256	102.4	125	1770LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	259.8	256	102.4	266	1575-1585DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	259.8	256	102.4	287	1810-1825DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	259.8	256	102.4	335	BROADWYST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.4	383	NOHAVN1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	259.8	256	102.4	399	PLUMTREE25T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	259.8	256	102.4	416	SOTHNGTN22T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263.6	256	102.4	74	1545LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263.6	256	102.4	220	368LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	263	256	102.4	21	1080LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	37	1238+1813LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	76	1570LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263	256	102.4	106	1726LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	184	88005ALINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	263	256	102.4	192	89005BLINE-2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	263	256	102.4	216	368LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	346	DEVON7TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	452	NOMN1STBKR	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	263	256	102.4	453	NMSTBKREAC	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	263	256	102.4	466	devon-eshr1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.2	267.6	256	102.4	213	348LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	267.6	256	102.4	275	1975-348DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.1	267.6	256	102.4	315	LOSSBPT3	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262.3	256.8	256	102.4	386	MIXAVE1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	256.8	256	102.4	462	SGTN4TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	9	400LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	38	1250LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	86	1610LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	118	1760LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	169	8804ALINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	261	256	102.3	172	8904BLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	261	256	102.3	364	FROSTBR21T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	265.3	256	102.3	67	1470LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	42	1272+1445LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	58	1443+1759LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	143	1820LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	180	88003ALINE-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	185	88006ALINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	188	89003BLINE-2	10C (ESA)	FIX	Recond	700	On	

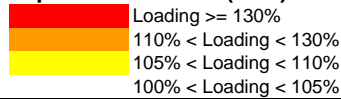
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	194	89006BLINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	259.8	256	102.3	281	1732-1788DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	338	BUNKERH3T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	357	DEVSWS2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	378	HAWTHORNST	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	259.8	256	102.3	417	SOTHNGTN23T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	259.8	256	102.3	461	SGTN7TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	259.8	256	102.3	472	ESHR-XFR	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263.6	256	102.3	53	ONE1385	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263.6	256	102.3	146	1813LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263.6	256	102.3	480	362WLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263.6	256	102.3	484	1975-362WDCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	263	256	102.3	212	352LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	263	256	102.3	238	1080-1490DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	262	263	256	102.3	265	1570-1580DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	263	256	102.3	306	371-383DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263	256	102.3	476	362WLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.9	263	256	102.3	480	1975-362WDCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261	256	102.2	11	667-690LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	43	1280LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	74	1560LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.2	78	1572+1772LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.2	85	1607LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	153	1887LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261	256	102.2	177	84004LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	197	310LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	210	348NLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	213	352+AUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261	256	102.2	236	1070-1080DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	305	329-352DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.2	309	SOUTH1XAUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.2	334	BRANFRDRR1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	261	256	102.2	455	SCOVK8TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	261	256	102.2	460	SGTN6TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	265.3	256	102.2	316	LOSSDEV7	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	8	100+400LINES	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	17	1050+1766LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	27	1163+1910LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	259.8	256	102.2	79	1575LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	259.8	256	102.2	268	1580-1585DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	274	1668-1721DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.8	259.8	256	102.2	324	BAIRDASTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	259.8	256	102.2	336	BUNKERH1T	10C (ESA)	FIX	Recond	700	On	

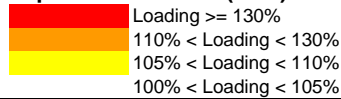
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	363	FROSTBR15T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	259.8	256	102.2	409	SNAUGA1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	259.8	256	102.2	420	SOTHNGTN26T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.2	437	WRIVER1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.2	438	WRIVER2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	248.6	256	102.2	225	393LINE	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	263.6	256	102.2	40	L238LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	263.6	256	102.2	48	L300LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	263.6	256	102.2	276	L622-1887DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.7	263.6	256	102.2	410	SHEPAUG13A	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	263	256	102.2	142	L813LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	263	256	102.2	198	L312LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	263	256	102.2	199	L312+393LNS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.6	263	256	102.2	200	L312+393REAC	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	33	L208LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	41	L272LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	59	L445LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261	256	102.1	81	L585LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	103	L720LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	108	L730BLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261	256	102.1	150	L870LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261	256	102.1	220	L381LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261	256	102.1	221	L381LREAC	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	261	256	102.1	333	BRANFORD4T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	347	DEVON8TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	348	DEVON10TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.1	369	GRNDAV2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	261	256	102.1	412	SOTHNGTN14T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	431	WALLING4TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	432	WALLING5TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	261	256	102.1	441	WOODMNT2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	265.3	256	102.1	312	PLUMAUT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	265.3	256	102.1	358	DEVON26TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	265.3	256	102.1	471	devon-eshr2	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	254.6	256	102.1	247	L163-1550D-2	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	254.6	256	102.1	425	SOTHNGTN28T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.1	35	L235LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	259.8	256	102.1	132	L780LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	259.8	256	102.1	138	L790LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.1	178	L88003ALINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	259.8	256	102.1	181	L88003ALINE-3	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.1	186	L89003BLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	259.8	256	102.1	189	L89003BLINE-3	10C (ESA)	FIX	Recond	700	On	

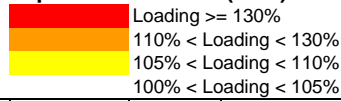
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	259.8	256	102.1	193	89006BLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.1	240	1100-1300DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	259.8	256	102.1	475	362ELINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	259.8	256	102.1	479	1466-362EDCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263.6	256	102.1	264	1470-1720DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	263.6	256	102.1	277	1637-1720DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263.6	256	102.1	355	DEVON23TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263.6	256	102.1	357	DEVON25TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263.6	256	102.1	390	NORWALKST1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	263.6	256	102.1	467	SINGDEV1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263	256	102.1	49	ONE1385	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.5	263	256	102.1	70	1545LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263	256	102.1	213	352+AUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	263	256	102.1	272	1622-1887DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263	256	102.1	305	329-352DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	263	256	102.1	406	SHEPAUG13A	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	263	256	102.1	463	SINGDEV1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	256.8	256	102.1	262	1470-1565DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.3	256.8	256	102.1	330	BATESROCK1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.4	256.8	256	102.1	398	PEACEABLE1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	12	689LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	13	693LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	18	1060LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	19	1070LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	22	1090LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	23	1100LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	26	1163LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	29	1191LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	30	1200LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	39	1261LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	40	1270LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	46	1337LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	47	1342LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	53	1410LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	56	1440LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	57	1443LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	61	1460LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	62	1466LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	64	1490LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	69	1537LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	72	1550LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	82	1588LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	83	1594LINE	2C (ESA)	FIX	Recond	0	On	

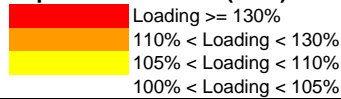
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	88	1620SLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	94	1640LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	95	1655LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	96	1668LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	97	1670LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	98	1675LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	101	1704LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	104	1721LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	111	1740LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	115	1753LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	116	1756LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	117	1759LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	121	1765LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	122	1766LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	123	1767LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	124	1769LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	126	1771LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	131	1779LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	134	1784LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	135	1785LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	136	1786LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	137	1788LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	139	1792LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	141	1810LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	145	1825LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	146	1830LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	147	1835LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	151	1876LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	155	1900LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	156	1910LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	157	1921LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	158	1950LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	159	1975LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	164	8300LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	166	8500LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	167	8600LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	168	8700LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	170	8809ALINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	173	8909BLINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	175	9500LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	176	9502LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	179	88003ALINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	183	88005ALINE-1	2C (ESA)	FIX	Recond	0	On	

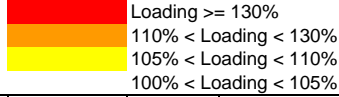
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	187	89003BLINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	191	89005BLINE-1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	235	1060-1270DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	245	1208-1640DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	257	1440-1450DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	269	1580-1730BDC	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	275	1670-1771DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	310	SOUTH2XAUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	319	LOSSNOR1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	320	LOSSNOR2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	329	BOKUM2T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	330	BOKUM3T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	344	DEVON4TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	350	DEVON12TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	403	ROCKRIVER1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	261	256	102.0	413	SOTHNGTN15T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	419	SOTHNGTN25T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	429	WALLING2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	430	WALLING3TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	433	WATERST1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	261	256	102.0	434	WATERST2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	102.0	469	SNG-PEQTAP	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	254.6	256	102.0	287	1770-1887DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	254.6	256	102.0	289	1800-1810DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	254.6	256	102.0	422	SOTHNGTN24T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	254.6	256	102.0	427	STONVHILL1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	254.6	256	102.0	456	NOMNTSTBKR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	254.6	256	102.0	457	NMSTBKREAC	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	254.6	256	102.0	462	SGTN4TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	20	1070+1490LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	73	1550+1950LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	171	8809ALINE-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	174	8909BLINE-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	325	BAIRDBSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	259.8	256	102.0	370	GRNDAV3TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	385	NWALLING1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	259.8	256	102.0	410	SOTHNGTN12T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	263.6	256	102.0	75	1545+SPS	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.2	263.6	256	102.0	94	1622LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	263.6	256	102.0	97	1637LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	263.6	256	102.0	109	1722LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	263.6	256	102.0	113	1730CLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	263.6	256	102.0	310	371-383DCT	14C (ESA)	FIX	Recond	700	Off	

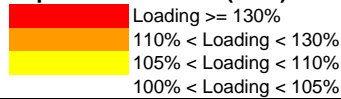
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	263.6	256	102.0	401	PEQUON32TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	263	256	102.0	36	1238LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	263	256	102.0	44	1300LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	263	256	102.0	273	1637-1720DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	256.8	256	102.0	290	1800-1825DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261.1	256.8	256	102.0	343	COLONY1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	7	100LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	16	1050LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	28	1165LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	31	1206LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	32	1207LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	45	1310LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	52	1394LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	60	1450LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	67	1508LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.9	68	1515LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	77	1572LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	80	1580LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	89	1620LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	91	1625LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	92	1630LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	99	1685LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	113	1751LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	114	1752LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	120	1763LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	127	1772LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.9	128	1773LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	129	1775LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	130	1777LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	140	1800-1860LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	190	89005BLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	219	376LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	234	1060-1165DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.9	237	1080-1280DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	270	1620-1975DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	284	1777-1779DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	303	310-368DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	307	MANCHAUTO1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	261	256	101.9	331	BRANFORD1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	332	BRANFORD2T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	349	DEVON1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	355	DEVON2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	376	HADDAMAT	2C (ESA)	FIX	Recond	0	On	

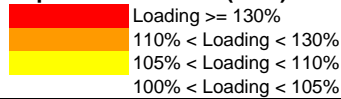
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	384	NOHAVN2TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	261	256	101.9	425	TRIANGLE2T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	261	256	101.9	428	WALLINGL1TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	250.4	256	101.9	352	DEVON24TSTK	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	265.3	256	101.9	7	1759-353NDCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	265.3	256	101.9	219	364+AUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	265.3	256	101.9	266	1545-1570DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	265.3	256	101.9	349	DEVON6TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	265.3	256	101.9	455	MONTVSTBKR	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	254.6	256	101.9	426	STEVENSNSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	259.8	256	101.9	14	694LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	259.8	256	101.9	15	1000LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	259.8	256	101.9	161	1990LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	259.8	256	101.9	162	8100LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	259.8	256	101.9	163	8200LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	259.8	256	101.9	165	8400LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	259.8	256	101.9	211	348N+AUTO	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	259.8	256	101.9	233	1000-1090DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	259.8	256	101.9	321	ALLINGS1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	259.8	256	101.9	322	ALLINGS2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	259.8	256	101.9	365	FROSTBR27T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	259.8	256	101.9	368	GRNDAV1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	259.8	256	101.9	441	WOODMNT2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	259.8	256	101.9	456	SGTNI1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	263.6	256	101.9	67	1470LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	263.6	256	101.9	221	371LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	267.6	256	101.9	263	1470-1637DCT	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	256.8	256	101.9	253	1280-1870DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	261	256.8	256	101.9	267	1560-1570DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.9	256.8	256	101.9	379	GREENHLL2T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.8	256.8	256	101.9	406	QUINIPACST1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	87	1618LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261	256	101.8	110	1732LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	133	1783LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	196	301-302LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261	256	101.8	206	347LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261	256	101.8	207	347LREAC	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261	256	101.8	222	383LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261	256	101.8	244	1207-1775DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	247	1261-1620DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	328	BOKUM1T	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	261	256	101.8	377	HADDAMBT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	261	256	101.8	439	WESTON1T	2C (ESA)	FIX	Recond	0	On	

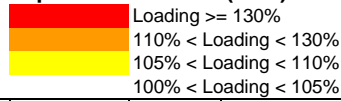
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	261	256	101.8	473	NEWDEV1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	265.3	256	101.8	468	SINGERSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	254.6	256	101.8	265	1505-1607DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	254.6	256	101.8	431	TRIANGLE4T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	259.8	256	101.8	9	400LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	259.8	256	101.8	38	1250LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	259.8	256	101.8	86	1610LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	259.8	256	101.8	169	8804ALINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	259.8	256	101.8	172	8904BLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	248.6	256	101.8	470	SNGPEQ-XFR	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	263.6	256	101.8	222	371+AUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	263	256	101.8	90	1622LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	263	256	101.8	93	1637LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	263	256	101.8	105	1722LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	263	256	101.8	217	371LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	263	256	101.8	351	DEVON23TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.6	263	256	101.8	353	DEVON25TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	263	256	101.8	465	devonstuck	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	267.6	256	101.8	116	1750LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	267.6	256	101.8	397	OLDTOWNST	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.7	256.8	256	101.8	430	TRIANGLE3T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	10	500LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	261	256	101.7	76	1570LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	261	256	101.7	106	1726LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	144	1821LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	148	1836LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	184	88005ALINE-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	192	89005BLINE-2	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	230	PLUMNOR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	261	256	101.7	282	1751-1777DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	261	256	101.7	346	DEVON7TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	250.4	256	101.7	230	PLUMNOR	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	250.4	256	101.7	250	1310-1763DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	265.3	256	101.7	485	362W-376DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	254.6	256	101.7	386	MIXAVE1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	11	667-690LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	43	1280LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	74	1560LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.7	78	1572+1772LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	85	1607LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	259.8	256	101.7	118	1760LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	259.8	256	101.7	153	1887LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	177	84004LINE	10C (ESA)	FIX	Recond	700	On	

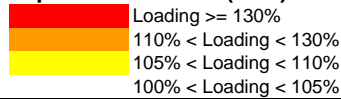
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	259.8	256	101.7	197	310LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	259.8	256	101.7	210	348NLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.7	220	381LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.7	221	381LREAC	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	259.8	256	101.7	364	FROSTBR21T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	259.8	256	101.7	455	SCOVK8TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	259.8	256	101.7	460	SGTN6TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.5	263.6	256	101.7	402	PEQUON42TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	263.6	256	101.7	469	devonstuck	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	252.9	256	101.7	462	SGTN4TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	263	256	101.7	71	1545+SPS	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	263	256	101.7	218	371+AUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	263	256	101.7	462	NORSING1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.8	256	101.7	69	1500LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.8	256	101.7	88	1605LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.8	256	101.7	205	318LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.8	256	101.7	268	1570-1575DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.8	256	101.7	308	310-383DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.3	256.8	256	101.7	408	SACKETST1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.8	256	101.7	461	SGTN3TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.4	256.8	256	101.7	463	SGTN5TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	261	256	101.6	21	1080LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	261	256	101.6	37	1238+1813LNS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	261	256	101.6	238	1080-1490DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	261	256	101.6	265	1570-1580DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	254.6	256	101.6	262	1470-1565DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	254.6	256	101.6	398	PEACEABLE1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	254.6	256	101.6	478	NEWDEV2	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	33	1208LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	259.8	256	101.6	41	1272LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	259.8	256	101.6	59	1445LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	259.8	256	101.6	81	1585LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	259.8	256	101.6	108	1730BLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	236	1070-1080DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	309	SOUTH1XAUTO	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	259.8	256	101.6	333	BRANFORD4T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	334	BRANFRDRR1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	259.8	256	101.6	347	DEVON8TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	259.8	256	101.6	348	DEVON10TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	369	GRNDAV2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	412	SOTHNGT14T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	431	WALLING4TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	259.8	256	101.6	432	WALLING5TSTK	10C (ESA)	FIX	Recond	700	On	

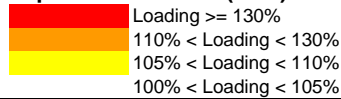
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	263	256	101.6	109	1730CLINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	263	256	101.6	260	1470-1720DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	263	256	101.6	386	NORWALKST1	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	263	256	101.6	397	PEQUON32TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.2	263	256	101.6	398	PEQUON42TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	256.8	256	101.6	70	1505LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	256.8	256	101.6	123	1760+1876LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260.1	256.8	256	101.6	243	1100-1200DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	256.8	256	101.6	404	PLUMTREE28T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	256.8	256	101.6	476	ESHR-XFR	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	261	256	101.5	216	368LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	261	256	101.5	466	devon-eshr1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	261	256	101.5	476	362WLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	261	256	101.5	480	1975-362WDCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	12	689LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	13	693LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	18	1060LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	19	1070LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	22	1090LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	23	1100LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	26	1163LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	29	1191LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	30	1200LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	40	1270LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	46	1337LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	53	1410LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	56	1440LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	57	1443LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	61	1460LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	62	1466LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	64	1490LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	69	1537LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	72	1550LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	82	1588LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	83	1594LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	94	1640LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	95	1655LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	96	1668LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	97	1670LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	98	1675LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	101	1704LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	103	1720LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	104	1721LINE	10C (ESA)	FIX	Recond	700	On	

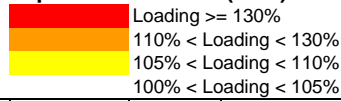
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	111	1740LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	115	1753LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	116	1756LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	117	1759LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	121	1765LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	122	1766LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	124	1769LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	126	1771LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	131	1779LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	135	1785LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	136	1786LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	137	1788LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	139	1792LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	141	1810LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	145	1825LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	146	1830LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	147	1835LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	150	1870LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	155	1900LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	156	1910LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	157	1921LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	158	1950LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	159	1975LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	259.8	256	101.5	164	8300LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	166	8500LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	167	8600LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	168	8700LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	259.8	256	101.5	170	8809ALINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	173	8909BLINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	175	9500LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	176	9502LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	179	88003ALINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	183	88005ALINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	187	89003BLINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	190	89005BLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	191	89005BLINE-1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.5	235	1060-1270DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	245	1208-1640DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	257	1440-1450DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	269	1580-1730BDC	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	275	1670-1771DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	259.8	256	101.5	304	310-383DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	310	SOUTH2XAUTO	10C (ESA)	FIX	Recond	700	On	

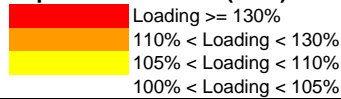
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	319	LOSSNOR1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	320	LOSSNOR2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	344	DEVON4TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	350	DEVON12TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	403	ROCKRIVER1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	413	SOTHNGTN15T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	419	SOTHNGTN25T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	429	WALLING2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	259.8	256	101.5	430	WALLING3TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	433	WATERST1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	434	WATERST2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	259.8	256	101.5	469	SNG-PEGTAP	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	263.6	256	101.5	210	347LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	263.6	256	101.5	211	347LREAC	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	263.6	256	101.5	316	LOSSDEV7	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	263.6	256	101.5	358	DEVON26TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	263.6	256	101.5	466	NORSING1	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	263	256	101.5	225	393LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	256.8	256	101.5	207	329LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	256.8	256	101.5	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	256.8	256	101.5	255	1355-1610DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	256.8	256	101.5	257	1394-1515DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	256.8	256	101.5	271	1575-1990DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.8	256.8	256	101.5	341	BUNKERH2T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	256.8	256	101.5	415	SOTHNGTN13T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	256.8	256	101.5	419	SOTHNGTN20T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	260	256.8	256	101.5	428	TRPFALLST1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.9	256.8	256	101.5	440	WBROOKFLD1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	261	256	101.4	70	1545LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	261	256	101.4	142	1813LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	265.3	256	101.4	306	310-348DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	265.3	256	101.4	315	LOSSBPT3	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	254.6	256	101.4	202	312LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	254.6	256	101.4	203	312+393LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	254.6	256	101.4	204	312+393REAC	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	7	100LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	16	1050LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	28	1165LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	31	1206LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	32	1207LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	39	126LLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	45	1310LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	47	1342LINE	10C (ESA)	FIX	Recond	700	On	

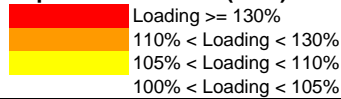
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	52	1394LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	60	1450LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	67	1508LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	77	1572LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	80	1580LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	88	1620SLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	89	1620NLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	91	1625LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	92	1630LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	99	1685LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	113	1751LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	114	1752LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	120	1763LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	123	1767LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	127	1772LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	129	1775LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	130	1777LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	134	1784LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	140	1800-1860LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	151	1876LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	219	376LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	234	1060-1165DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	270	1620-1975DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	284	1777-1779DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	307	MANCHAUTO1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	329	BOKUM2T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	330	BOKUM3T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	331	BRANFORD1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	332	BRANFORD2T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	349	DEVON11TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	259.8	256	101.4	355	DEVON27TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	376	HADDAMAT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	384	NOHAVN2TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	259.8	256	101.4	425	TRIANGLE2T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	259.8	256	101.4	428	WALLINGL1TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	248.6	256	101.4	296	1565-PLNRDCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	263.6	256	101.4	312	PLUMAUT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	247	1163-1550D-2	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	252.9	256	101.4	287	1770-1887DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	289	1800-1810DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	300	1565-PLNRDCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	422	SOTHNGTN24T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	252.9	256	101.4	425	SOTHNGTN28T	15C (ESA)	FIX	Recond	700	Off	

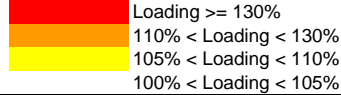
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	252.9	256	101.4	427	STONYHILL1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	263	256	101.4	3	1759-353DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	263	256	101.4	467	devon-eshr2	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	252.5	256	101.4	206	347LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.7	252.5	256	101.4	207	347LREAC	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.8	256	101.4	52	1355LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	256.8	256	101.4	104	1690LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.8	256	101.4	280	1670-1830DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.8	256	101.4	331	BECONFLSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.8	256	101.4	385	MLLRVR2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.6	256.8	256	101.4	418	SOTHNGTN16T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	261	256	101.3	49	ONE1385	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	261	256	101.3	272	1622-1887DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	261	256	101.3	406	SHEPAUG13A	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	265.3	256	101.3	263	1470-1637DCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	254.6	256	101.3	463	SGTNSTSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	68	1515LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	259.8	256	101.3	87	1618LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	259.8	256	101.3	110	1732LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	259.8	256	101.3	128	1773LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	133	1783LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	259.8	256	101.3	237	1080-1280DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	244	1207-1775DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	247	1261-1620DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	259.8	256	101.3	303	310-368DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	328	BOKUM1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	259.8	256	101.3	377	HADDAMBT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	259.8	256	101.3	473	NEWDEV1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.5	263	256	101.3	63	1470LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.3	263	256	101.3	312	LOSSDEV7	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	252.5	256	101.3	283	1770-1887DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	252.5	256	101.3	423	STONYHILL1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	256.8	256	101.3	129	1770LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	256.8	256	101.3	364	EMERIDEN1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	256.8	256	101.3	384	MLLRVRTSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.4	256.8	256	101.3	403	PLUMTREE25T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	261	256	101.2	36	1238LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	261	256	101.2	44	1300LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	261	256	101.2	306	371-383DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	261	256	101.2	463	SINGDEV1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	265.3	256	101.2	1	353NLINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	265.3	256	101.2	213	348LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	265.3	256	101.2	275	1975-348DCT	6C (ESA)	FIX	Recond	0	Off	

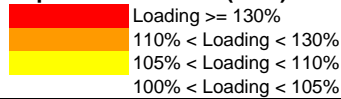
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	254.6	256	101.2	210	347LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	254.6	256	101.2	211	347LREAC	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	254.6	256	101.2	330	BATESROCK1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	254.6	256	101.2	343	COLONY1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	10	500LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	259.8	256	101.2	76	1570LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	144	182LLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	148	1836LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	184	88005ALINE-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	192	89005BLINE-2	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	259.8	256	101.2	196	301-302LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	259.8	256	101.2	282	1751-1777DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	259.8	256	101.2	346	DEVON7TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	259.8	256	101.2	439	WESTON1T	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	248.6	256	101.2	352	DEVON24TSTK	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	263.6	256	101.2	266	1545-1570DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	263.6	256	101.2	349	DEVON6TSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	263.6	256	101.2	471	devon-eshr2	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	252.9	256	101.2	262	1470-1565DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	252.9	256	101.2	398	PEACEABLE1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	263	256	101.2	215	364+AUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	263	256	101.2	354	DEVON26TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	263	256	101.2	451	MONTVSTBKR	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	263	256	101.2	464	SINGERSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	252.5	256	101.2	243	1163-1550D-2	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	252.5	256	101.2	285	1800-1810DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	252.5	256	101.2	418	SOTHNGTN24T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	252.5	256	101.2	421	SOTHNGTN28T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	267.6	256	101.2	38	1222LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	256.8	256	101.2	62	1443+1759LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	256.8	256	101.2	136	1780LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	256.8	256	101.2	142	1790LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	256.8	256	101.2	147	1820LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	256.8	256	101.2	285	1732-1788DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	256.8	256	101.2	291	1810-1825DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.2	256.8	256	101.2	339	BROADWYST1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	256.8	256	101.2	420	SOTHNGTN22T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259	256.8	256	101.2	421	SOTHNGTN23T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	259.1	256.8	256	101.2	444	WOODMNT1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	254.6	256	101.1	207	329LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	254.6	256	101.1	267	1560-1570DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	254.6	256	101.1	290	1800-1825DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	254.6	256	101.1	379	GREENHLL2T	7C (ESA)	FIX	Recond	0	Off	

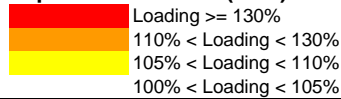
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	259.8	256	101.1	21	1080LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	259.8	256	101.1	37	1238+1813LNS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	259.8	256	101.1	106	1726LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	259.8	256	101.1	222	383LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	259.8	256	101.1	238	1080-1490DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	259.8	256	101.1	265	1570-1580DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	252.9	256	101.1	265	1505-1607DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	252.9	256	101.1	426	STEVENSNSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	252.9	256	101.1	431	TRIANGLE4T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	252.9	256	101.1	463	SGTN5TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	263	256	101.1	308	PLUMAUT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	263	256	101.1	481	362W-376DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	252.5	256	101.1	422	STEVENSNSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.8	256.8	256	101.1	46	1272+1445LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.1	186	88005ALINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	189	88006ALINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	198	89006BLINE-1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	270	1575-1585DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.1	328	BAIRDASTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	342	BUNKERH3T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.1	363	DEVSWST4TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.1	367	FROSTBR15T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	383	JUNEST1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.9	256.8	256	101.1	465	SGTN7TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	261	256	101.0	90	1622LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	261	256	101.0	105	1722LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	261	256	101.0	260	1470-1720DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	261	256	101.0	273	1637-1720DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	261	256	101.0	351	DEVON23TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	261	256	101.0	353	DEVON25TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	261	256	101.0	386	NORWALKST1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	265.3	256	101.0	6	353N+AUTO	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	265.3	256	101.0	8	1767-353NDCT	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	265.3	256	101.0	449	CARD2TSTK	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	254.6	256	101.0	205	318LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	254.6	256	101.0	253	1280-1870DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	254.6	256	101.0	406	QUINIPACST1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	254.6	256	101.0	430	TRIANGLE3T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	254.6	256	101.0	461	SGTN3TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	259.8	256	101.0	466	devon-eshr1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	248.6	256	101.0	250	1310-1763DCT	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	263.6	256	101.0	219	364+AUTO	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	263.6	256	101.0	455	MONTVSTBKR	14C (ESA)	FIX	Recond	700	Off	

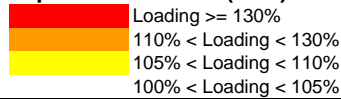
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	252.9	256	101.0	386	MIXAVE1	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	263	256	101.0	445	CARD2TSTK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	12	100+400LINES	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	21	1050+1766LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	31	1163+1910LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	83	1575LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.8	256	101.0	244	1100-1300DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.8	256	101.0	272	1580-1585DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	278	1668-1721DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	340	BUNKERHIT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.0	376	GRNDAV5TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.7	256.8	256	101.0	377	GRNDAV6TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.8	256	101.0	382	HAWTHORNST	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.8	256	101.0	413	SNAUGALT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.6	256.8	256	101.0	424	SOTHNGTN26T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.5	256.8	256	101.0	475	DEV-XFR	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	261	256	100.9	63	1470LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	261	256	100.9	71	1545+SPS	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	261	256	100.9	93	1637LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	261	256	100.9	217	371LINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	261	256	100.9	218	371+AUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	265.3	256	100.9	116	1750LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	254.6	256	100.9	268	1570-1575DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	254.6	256	100.9	408	SACKETST1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	259.8	256	100.9	70	1545LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	259.8	256	100.9	216	368LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	259.8	256	100.9	476	362WLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	259.8	256	100.9	480	1975-362WDCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	252.9	256	100.9	478	NEWDEV2	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	252.5	256	100.9	261	1505-1607DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.4	252.5	256	100.9	427	TRIANGLE4T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	256.8	256	100.9	24	1070+1490LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.3	256.8	256	100.9	39	1235LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	77	1550+1950LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	175	8809ALINE-2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	178	8909BLINE-2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	360	DEVSWST1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	362	DEVSWST3TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	256.8	256	100.9	389	NWALLING1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	261	256	100.8	109	1730CLINE	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	261	256	100.8	397	PEQUON32TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	261	256	100.8	398	PEQUON42TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	261	256	100.8	465	devonstuck	2C (ESA)	FIX	Recond	0	On	

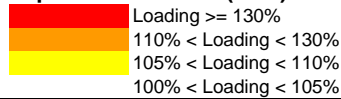
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	265.3	256	100.8	397	OLDTOWNST	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	254.6	256	100.8	69	1500LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	254.6	256	100.8	70	1505LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	254.6	256	100.8	88	1605LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	254.6	256	100.8	243	1100-1200DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	259.8	256	100.8	49	ONE1385	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	259.8	256	100.8	142	1813LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	263.6	256	100.8	263	1470-1637DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	263.6	256	100.8	315	LOSSBPT3	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	263.6	256	100.8	485	362W-376DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	252.9	256	100.8	207	329LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	263	256	100.8	262	1545-1570DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.2	263	256	100.8	302	310-348DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	263	256	100.8	345	DEVOM6STK	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	252.5	256	100.8	382	MIXAVE1	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	267.6	256	100.8	2	3538LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	267.6	256	100.8	234	PLUMNOR	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	256.8	256	100.8	19	1000LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	256.8	256	100.8	165	1990LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258	256.8	256	100.8	226	383LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	256.8	256	100.8	237	1000-1090DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	256.8	256	100.8	369	FROSTBR27T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	258.1	256.8	256	100.8	387	NOHAVN1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	123	1760+1876LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	255	1355-1610DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	415	SOTHNGTN13T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	419	SOTHNGTN20T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	254.6	256	100.7	428	TRPFALLST1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	254.6	256	100.7	440	WBROOKFLD1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	254.6	256	100.7	476	ESHR-XFR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	259.8	256	100.7	36	1238LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	259.8	256	100.7	44	1300LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	259.8	256	100.7	260	1470-1720DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	259.8	256	100.7	272	1622-1887DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	259.8	256	100.7	386	NORWALKST1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	259.8	256	100.7	406	SHEPAUG13A	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	263.6	256	100.7	7	1759-353NDCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.9	263.6	256	100.7	468	SINGERSTK	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	263	256	100.7	209	348LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	252.5	256	100.7	258	1470-1565DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	252.5	256	100.7	394	PEACEABLE1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	7	1759-353NDCT	23C (ESA)	FIX	Recond	-700	Off	

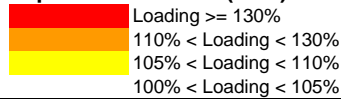
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	18	694LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	47	1280LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	122	1760LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	157	1887LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	169	8400LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	184	88003ALINE-2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	192	89003BLINE-2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	215	348N+AUTO	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	234	PLUMMOR	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	361	DEVSWST2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	368	FROSTBR21T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	375	GRNDAV4TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	378	GRNDAV7TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	460	SGTN1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.7	256.8	256	100.7	479	362ELINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.8	256.8	256	100.7	483	1466-362EDCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	261	256	100.6	462	NORSING1	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	254.6	256	100.6	104	1690LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	254.6	256	100.6	257	1394-1515DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	254.6	256	100.6	271	1575-1990DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	254.6	256	100.6	280	1670-1830DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	254.6	256	100.6	308	310-383DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	254.6	256	100.6	331	BECONFLSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	254.6	256	100.6	341	BUNKERH2T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	254.6	256	100.6	385	MLLRVR2TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	254.6	256	100.6	404	PLUMTREE28T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	254.6	256	100.6	418	SOTHNGTN16T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	259.8	256	100.6	63	1470LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	259.8	256	100.6	463	SINGDEV1	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	263	256	100.6	1	353LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	263	256	100.6	271	1975-348DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	252.5	256	100.6	458	SGTN4TSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	13	400LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	42	1250LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	256.8	256	100.6	154	1870LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	166	8100LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	167	8200LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	201	310LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.8	256	100.6	214	348NLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	365	ESHORE12TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	372	GRNDAV1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.6	256.8	256	100.6	374	GRNDAV3TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.5	256.8	256	100.6	459	SCOVKR8TSTK	23C (ESA)	FIX	Recond	-700	Off	

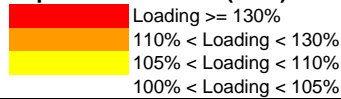
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	261	256	100.5	312	LOSSDEV7	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	261	256	100.5	354	DEVON26TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	254.6	256	100.5	52	1355LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	254.6	256	100.5	129	1770LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	254.6	256	100.5	229	393LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	254.6	256	100.5	364	EMERIDEN1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	254.6	256	100.5	403	PLUMTREE25T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	254.6	256	100.5	444	WOODMNT1TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	259.8	256	100.5	90	1622LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	259.8	256	100.5	105	1722LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	259.8	256	100.5	306	371-383DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	259.8	256	100.5	351	DEVON23TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	259.8	256	100.5	353	DEVON25TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	263.6	256	100.5	306	310-348DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	252.9	256	100.5	216	352LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	252.9	256	100.5	290	1800-1825DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	252.9	256	100.5	330	BATESROCK1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	252.9	256	100.5	343	COLONY1T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	263	256	100.5	2	353+AUTO	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	263	256	100.5	4	1767-353DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	263	256	100.5	311	LOSSBPT3	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	252.5	256	100.5	474	NEWDEV2	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	15	667-690LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	82	1572+1772LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	89	1607LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	98	1640LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	112	1730BLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	181	84004LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	182	88003ALINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	190	89003BLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	197	89006BLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.4	256.8	256	100.5	240	1070-1080DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	249	1208-1640DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	307	310-368DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	313	SOUTH1XAUTO	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	351	DEVON8TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	352	DEVON10TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	407	ROCKRIVER1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	416	SOTHNGTN14T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	441	WRIVER1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.5	442	WRIVER2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.3	256.8	256	100.5	464	SGTN6TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	261	256	100.4	467	devon-eshr2	2C (ESA)	FIX	Recond	0	On	

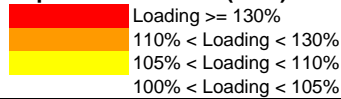
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	250.4	256	100.4	243	1163-1550D-2	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	250.4	256	100.4	283	1770-1887DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	250.4	256	100.4	285	1800-1810DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	250.4	256	100.4	418	SOTHNGTN24T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	250.4	256	100.4	421	SOTHNGTN28T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	250.4	256	100.4	423	STONYHILL1T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.4	136	1780LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.4	142	1790LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.4	216	352LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.4	285	1732-1788DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	254.6	256	100.4	291	1810-1825DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	254.6	256	100.4	339	BROADWYST1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	254.6	256	100.4	384	MLLRVRTSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	254.6	256	100.4	420	SOTHNGTN22T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	259.8	256	100.4	71	1545+SPS	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	252.9	256	100.4	205	318LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	252.9	256	100.4	267	1560-1570DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	252.9	256	100.4	379	GREENHLL2T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	252.9	256	100.4	406	QUINIPACST1	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	252.9	256	100.4	461	SGTN3TSTK	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	252.5	256	100.4	326	BATESROCK1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	256.8	256	100.4	45	1272LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	60	1440LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	61	1443LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	63	1445LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	85	1585LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	90	1610LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	121	1759LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	138	1784LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	256.8	256	100.4	174	8809ALINE-1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	177	8909BLINE-1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	185	88003ALINE-3	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	193	89003BLINE-3	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257	256.8	256	100.4	273	1580-1730BDC	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	279	1670-1771DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	329	BAIRDBSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	338	BRANFRDRR1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	373	GRNDV2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.2	256.8	256	100.4	414	SOTHNGTN12T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	257.1	256.8	256	100.4	417	SOTHNGTN15T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.4	433	WALLING2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	261	256	100.3	308	PLUMAUT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	254.6	256	100.3	46	1272+1445LNS	7C (ESA)	FIX	Recond	0	Off	

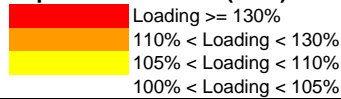
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	254.6	256	100.3	62	1443+1759LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.3	147	1820LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	254.6	256	100.3	186	88005ALINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.3	189	88006ALINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.3	198	89006BLINE-1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	254.6	256	100.3	270	1575-1585DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	254.6	256	100.3	328	BAIRDASTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	254.6	256	100.3	342	BUNKERH3T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	254.6	256	100.3	363	DEVSWST4TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	254.6	256	100.3	383	JUNEST1	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	254.6	256	100.3	421	SOTHNGTN23T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	254.6	256	100.3	465	SGTN7TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	93	1637LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	109	1730CLINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	217	371LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	259.8	256	100.3	218	371+AUTO	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	273	1637-1720DCT	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	397	PEQUON32TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	259.8	256	100.3	398	PEQUON42TSTK	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	263.6	256	100.3	116	1750LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	263.6	256	100.3	213	348LINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	263.6	256	100.3	275	1975-348DCT	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	252.9	256	100.3	253	1280-1870DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	252.9	256	100.3	268	1570-1575DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	252.5	256	100.3	286	1800-1825DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	252.5	256	100.3	339	COLONY1T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	267.6	256	100.3	111	1730ALINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	267.6	256	100.3	208	330LINE	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	267.6	256	100.3	447	CARD1TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	267.6	256	100.3	450	CARD3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	267.6	256	100.3	487	387LINE_ESA_config	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	267.6	256	100.3	488	1460-387DCT_ESA_conf	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	11	100LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	16	689LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	17	693LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	22	1060LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	23	1070LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	26	1090LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	27	1100LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	30	1163LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	32	1165LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	33	1191LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	34	1200LINE	23C (ESA)	FIX	Recond	-700	Off	

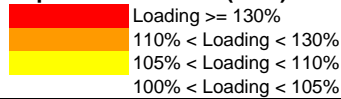
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	35	1206LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	36	1207LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	37	1208LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	43	1261LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	44	1270LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	49	1310LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	50	1337LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	51	1342LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	56	1394LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	57	1410LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	64	1450LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	65	1460LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	66	1466LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	68	1490LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	71	1508LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	73	1537LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	76	1550LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	78	1560LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.3	81	1572LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	86	1588LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	87	1594LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	92	1620SLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	93	1620NLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	100	1668LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	101	1670LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	102	1675LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	105	1704LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	108	1721LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	115	1740LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	117	1751LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	118	1752LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	119	1753LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	120	1756LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	124	1763LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	125	1765LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	126	1766LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	127	1767LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	128	1769LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	130	1771LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	131	1772LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	133	1775LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	135	1779LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	139	1785LINE	23C (ESA)	FIX	Recond	-700	Off	

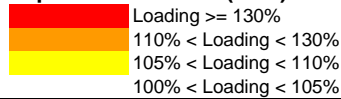
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	140	1786LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	141	1788LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	143	1792LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	144	1800-1860LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	145	1810LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	149	1825LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	150	1830LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	151	1835LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	155	1876LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	159	1900LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	160	1910LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	161	1921LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	162	1950LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	163	1975LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	168	8300LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	170	8500LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	172	8700LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	179	9500LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	180	9502LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	183	88003ALINE-1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	191	89003BLINE-1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	223	376LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	239	1060-1270DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	241	1080-1280DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	261	1440-1450DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	274	1620-1975DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	310	371-383DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	311	MANCHAUTO1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	314	SOUTH2XAUTO	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	322	LOSSNHAV	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	323	LOSSNOR1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	324	LOSSNOR2	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	325	ALLINGS1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	326	ALLINGS2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	333	BOKUM2T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	334	BOKUM3T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.9	256.8	256	100.3	337	BRANFORD4T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	348	DEVON4TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	354	DEVON12TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.7	256.8	256	100.3	380	HADDAMAT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	423	SOTHNGTN2ST	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	437	WATERST1TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.8	256.8	256	100.3	438	WATERST2TSTK	23C (ESA)	FIX	Recond	-700	Off	

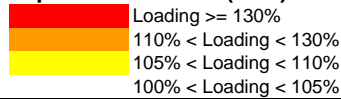
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	261	256	100.2	215	364+AUTO	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	261	256	100.2	451	MONTVSTBKR	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	250.4	256	100.2	422	STEVENSNSTK	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	250.4	256	100.2	458	SGTN4TSTK	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	265.3	256	100.2	38	L222LINE	6C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	254.6	256	100.2	12	100+400LINES	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	21	1050+1766LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	31	1163+1910LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	83	L575LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	254.6	256	100.2	272	1580-1585DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	278	1668-1721DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	340	BUNKERHIT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	367	FROSTBR15T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	254.6	256	100.2	376	GRNDV6TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	254.6	256	100.2	377	GRNDV6TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	254.6	256	100.2	413	SNAUGALT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	424	SOTHNGTN26T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	254.6	256	100.2	475	DEV-XFR	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	259.8	256	100.2	465	devonstuck	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	252.9	256	100.2	69	L500LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	252.9	256	100.2	88	L605LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	252.9	256	100.2	217	352+AUTO	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	252.9	256	100.2	309	329-352DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	252.9	256	100.2	408	SACKETST1	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	263	256	100.2	259	1470-1637DCT	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	252.5	256	100.2	249	1280-1870DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	252.5	256	100.2	375	GREENHLL2T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	252.5	256	100.2	402	QUINIPACST1	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	252.5	256	100.2	426	TRIANGLE3T	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	267.6	256	100.2	284	1720-1730ADC	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	20	L050LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	72	L515LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	84	L580LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	91	L618LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	95	L625LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	99	L655LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	107	L720LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	114	L732LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	132	L773LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	134	L777LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	137	L783LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	148	L821LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	152	L836LINE	23C (ESA)	FIX	Recond	-700	Off	





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	171	8600LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	173	8804ALINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	176	8904BLINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	200	301-302LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	216	352LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	238	1060-1165DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	248	1207-1775DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	251	1261-1620DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	288	1777-1779DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	332	BOKUM1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	335	BRANFORD1T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.2	336	BRANFORD2T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.5	256.8	256	100.2	353	DEVON11TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	359	DEVON27TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.6	256.8	256	100.2	381	HADDAMBT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	261	256	100.1	481	362W-376DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	250.4	256	100.1	258	1470-1565DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	250.4	256	100.1	261	1505-1607DCT	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	250.4	256	100.1	394	PEACEABLE1T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	250.4	256	100.1	427	TRIANGLE4T	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	254.6	256	100.1	24	1070+1490LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	254.6	256	100.1	39	1235LINE	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	254.6	256	100.1	175	8809ALINE-2	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	254.6	256	100.1	178	8909BLINE-2	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	254.6	256	100.1	217	352+AUTO	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	254.6	256	100.1	244	1100-1300DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	254.6	256	100.1	309	329-352DCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	254.6	256	100.1	360	DEVSWST1TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	254.6	256	100.1	362	DEVSWST3TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	254.6	256	100.1	382	HAWTHORNST	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	259.8	256	100.1	206	347LINE	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	259.8	256	100.1	207	347LREAC	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	263.6	256	100.1	397	OLDTOWNST	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	252.9	256	100.1	70	1505LINE	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	252.9	256	100.1	243	1100-1200DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.9	256	100.1	255	1355-1610DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.9	256	100.1	415	SOTHNGTN13T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.9	256	100.1	430	TRIANGLE3T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	252.9	256	100.1	476	ESHR-XFR	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.5	256	100.1	201	318LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	252.5	256	100.1	263	1560-1570DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.5	256	100.1	304	310-383DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	252.5	256	100.1	404	SACKETST1	19C (ESA)	FIX	Recond	-700	On	

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	252.5	256	100.1	457	SGTN3TSTK	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	256.8	256	100.1	41	1238+1813LNS	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.8	256	100.1	110	1726LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.8	256	100.1	220	368LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.8	256	100.1	286	1751-1777DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.4	256.8	256	100.1	429	TRIANGLE2T	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.3	256.8	256	100.1	470	devon-eshr1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.2	256.8	256	100.1	477	NEWDEV1	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	261	256	100.0	262	1545-1570DCT	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	261	256	100.0	345	DEVON6TSTK	2C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	250.4	256	100.0	382	MIXAVE1	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	250.4	256	100.0	452	NOMNTSTBKR	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	250.4	256	100.0	453	NMSTBKREAC	3C (ESA)	FIX	Recond	0	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	254.6	256	100.0	77	1550+1950LNS	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	254.6	256	100.0	387	NOHAVN1TSTK	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	254.6	256	100.0	389	NWALLING1T	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	254.6	256	100.0	483	1466-362EDCT	7C (ESA)	FIX	Recond	0	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	259.8	256	100.0	312	LOSSDEV7	10C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	263.6	256	100.0	1	353NLINE	14C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	252.9	256	100.0	419	SOTHNGTN20T	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	252.9	256	100.0	428	TRPFALLST1	15C (ESA)	FIX	Recond	700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	263	256	100.0	112	1750LINE	18C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	252.5	256	100.0	65	1500LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	252.5	256	100.0	84	1605LINE	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	252.5	256	100.0	264	1570-1575DCT	19C (ESA)	FIX	Recond	-700	On	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	267.6	256	100.0	347	DEVON3TSTK	22C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	256.8	256	100.0	14	500LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	256.8	256	100.0	103	1685LINE	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	256.8	256	100.0	217	352+AUTO	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256.1	256.8	256	100.0	309	329-352DCT	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73207 FLAX HIL 115 1	LN	256	256.8	256	100.0	449	CARD2TSTK	23C (ESA)	FIX	Recond	-700	Off	
73172 NORWALK	115 73293 NORWALK 345 2	TR	604.4	365.1	600	100.7	231	PLUMNOR+AUTO	11C (ESA)	FIX	Recond	700	On	
73172 NORWALK	115 73293 NORWALK 345 2	TR	601.3	368.8	600	100.2	235	PLUMNOR+AUTO	15C (ESA)	FIX	Recond	700	Off	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	147.3	6.8	112	131.6	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	147.4	6.6	112	131.6	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	147.2	7.3	112	131.5	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	146.7	7.6	112	131.0	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	146.7	7.3	112	131.0	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	146.6	8	112	130.9	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	144.8	10	112	129.3	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	144.5	8.2	112	129.0	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off	
73188 BCNFL PF	115 73192 DRBY J B 115 1	LN	144.4	8.3	112	128.9	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off	

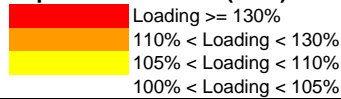
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	144.2	10.8	112	128.8	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	144.2	10.5	112	128.7	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	143.5	9.5	112	128.2	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.6	19.2	112	127.3	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.5	19.3	112	127.2	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.4	19.5	112	127.1	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142.1	24.3	112	126.9	248	1272-1721DCT	3C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	142	24.5	112	126.8	248	1272-1721DCT	11C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.8	24.3	112	126.6	248	1272-1721DCT	19C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.6	33.8	112	126.5	252	1272-1721DCT	24C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.5	33.9	112	126.4	252	1272-1721DCT	8C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.5	34.1	112	126.3	252	1272-1721DCT	16C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.3	39.1	112	126.1	248	1272-1721DCT	20C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.2	39.3	112	126.0	248	1272-1721DCT	4C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	141.1	39.4	112	126.0	248	1272-1721DCT	12C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.9	6.8	112	108.0	341	BUNKERH2T	9C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	121	6.6	112	108.0	341	BUNKERH2T	25C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.8	7.3	112	107.9	341	BUNKERH2T	17C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.5	7.3	112	107.6	337	BUNKERH2T	21C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.4	7.6	112	107.5	337	BUNKERH2T	5C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	120.3	8	112	107.4	337	BUNKERH2T	13C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	118.1	10	112	105.4	337	BUNKERH2T	18C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.4	9.5	112	104.8	341	BUNKERH2T	22C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.2	8.2	112	104.6	341	BUNKERH2T	6C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	117.1	8.3	112	104.5	341	BUNKERH2T	14C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.8	10.8	112	104.3	337	BUNKERH2T	2C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.7	10.5	112	104.2	337	BUNKERH2T	10C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.4	19.2	112	104.0	341	BUNKERH2T	23C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.3	19.3	112	103.9	341	BUNKERH2T	7C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.2	19.5	112	103.7	341	BUNKERH2T	15C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116	24.3	112	103.6	337	BUNKERH2T	19C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	116.1	33.8	112	103.6	341	BUNKERH2T	24C (ESA)	FIX	Recond	-700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.9	24.3	112	103.5	337	BUNKERH2T	3C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.8	24.5	112	103.4	337	BUNKERH2T	11C (ESA)	FIX	Recond	700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.7	39.1	112	103.3	337	BUNKERH2T	20C (ESA)	FIX	Recond	-700	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.3	33.9	112	103.0	341	BUNKERH2T	8C (ESA)	FIX	Recond	0	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	115.2	34.1	112	102.9	341	BUNKERH2T	16C (ESA)	FIX	Recond	700	Off		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	114.9	39.3	112	102.6	337	BUNKERH2T	4C (ESA)	FIX	Recond	0	On		
73188 BCNFL PF 115 73192 DRBY J B 115 1	LN	114.8	39.4	112	102.5	337	BUNKERH2T	12C (ESA)	FIX	Recond	700	On		
73192 DRBY J B 115 73705 IND.WELL 115 1	LN	153.4	77.6	150	102.2	70	1545LINE	12C (ESA)	FIX	Recond	700	On		
73192 DRBY J B 115 73705 IND.WELL 115 1	LN	150.8	76.4	150	100.5	70	1545LINE	4C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	467.2	223.3	256	182.5	259	1416-1880DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	463.7	221	256	181.1	259	1416-1880DCT	6C (ESA)	FIX	Recond	0	Off		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	461.1	219.3	256	180.1	259	1416-1880DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	461	218.5	256	180.1	255	1416-1880DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	458.1	216.6	256	179.0	255	1416-1880DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	456.4	215.4	256	178.3	255	1416-1880DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	452.5	212.1	256	176.8	259	1416-1880DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	449.3	210	256	175.5	259	1416-1880DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	446.9	207.7	256	174.6	255	1416-1880DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	446.8	208.4	256	174.5	259	1416-1880DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	443.7	205.6	256	173.3	255	1416-1880DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	441.2	204	256	172.3	255	1416-1880DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	440.3	223.3	256	172.0	296	1880-1977DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	436.8	221	256	170.6	296	1880-1977DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	434.3	219.3	256	169.6	296	1880-1977DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	434.1	218.5	256	169.6	292	1880-1977DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	431.2	216.6	256	168.4	292	1880-1977DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	429.5	215.4	256	167.8	292	1880-1977DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	425.6	212.1	256	166.3	296	1880-1977DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	422.5	210	256	165.0	296	1880-1977DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	420	207.7	256	164.1	292	1880-1977DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	420	208.4	256	164.0	296	1880-1977DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	416.9	205.6	256	162.8	292	1880-1977DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	414.3	204	256	161.8	292	1880-1977DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	379.1	223.3	256	148.1	246	113091001DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	377.9	221	256	147.6	246	113091001DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	377.1	219.3	256	147.3	246	113091001DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	377.1	218.5	256	147.3	242	113091001DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.4	216.6	256	147.0	242	113091001DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	376.3	215.4	256	147.0	242	113091001DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	375.9	223.3	256	146.8	370	GLENBROOK3T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.5	212.1	256	146.3	246	113091001DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.2	223.3	256	146.2	391	NORWALKST2	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.1	223.3	256	146.1	156	1880LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	374.1	223.3	256	146.1	395	NORWLKHAR4T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	373.6	210	256	145.9	246	113091001DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372.9	207.7	256	145.7	242	113091001DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372.8	208.4	256	145.6	246	113091001DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372	205.6	256	145.3	242	113091001DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	372	221	256	145.3	370	GLENBROOK3T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	371.2	204	256	145.0	242	113091001DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	370.2	221	256	144.6	156	1880LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	370.2	221	256	144.6	395	NORWLKHAR4T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	369.9	221	256	144.5	391	NORWALKST2	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	369	219.3	256	144.1	370	GLENBROOK3T	14C (ESA)	FIX	Recond	700	Off		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	368.4	218.5	256	143.9	366	GLENBROOK3T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	367.3	219.3	256	143.5	156	1880LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	367.3	219.3	256	143.5	395	NORWLKHAR4T	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.8	218.5	256	143.3	152	1880LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.8	218.5	256	143.3	391	NORWLKHAR4T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.6	219.3	256	143.2	391	NORWALKST2	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	366.3	218.5	256	143.1	387	NORWALKST2	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	365	216.6	256	142.6	366	GLENBROOK3T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	363.4	216.6	256	142.0	152	1880LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	363.4	216.6	256	142.0	391	NORWLKHAR4T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.7	215.4	256	141.7	366	GLENBROOK3T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	362.4	216.6	256	141.6	387	NORWALKST2	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	361.1	215.4	256	141.1	152	1880LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	361.1	215.4	256	141.1	391	NORWLKHAR4T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	359.8	215.4	256	140.5	387	NORWALKST2	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	358.1	212.1	256	139.9	370	GLENBROOK3T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	356.8	212.1	256	139.4	156	1880LINE	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	356.8	212.1	256	139.4	395	NORWLKHAR4T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.6	212.1	256	138.5	391	NORWALKST2	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.4	210	256	138.4	370	GLENBROOK3T	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	354.3	223.3	256	138.4	295	1880-1890DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353	210	256	137.9	156	1880LINE	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	353	210	256	137.9	395	NORWLKHAR4T	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	352.1	221	256	137.5	295	1880-1890DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	351.4	208.4	256	137.3	370	GLENBROOK3T	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	351.1	207.7	256	137.2	366	GLENBROOK3T	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.5	210	256	136.9	391	NORWALKST2	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.5	219.3	256	136.9	295	1880-1890DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.1	208.4	256	136.7	156	1880LINE	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	350.1	208.4	256	136.7	395	NORWLKHAR4T	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.9	207.7	256	136.7	152	1880LINE	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.9	207.7	256	136.7	391	NORWLKHAR4T	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	349.7	218.5	256	136.6	291	1880-1890DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.8	216.6	256	135.9	291	1880-1890DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.4	205.6	256	135.7	366	GLENBROOK3T	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.1	208.4	256	135.6	391	NORWALKST2	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	347.2	207.7	256	135.6	387	NORWALKST2	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.3	215.4	256	135.3	291	1880-1890DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.3	223.3	256	135.3	245	1130-1430DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.2	205.6	256	135.2	152	1880LINE	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	346.2	205.6	256	135.2	391	NORWLKHAR4T	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	345.2	221	256	134.8	245	1130-1430DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.5	204	256	134.6	366	GLENBROOK3T	11C (ESA)	FIX	Recond	700	On		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.5	219.3	256	134.6	245	1130-1430DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	344.2	218.5	256	134.5	241	1130-1430DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.7	216.6	256	134.3	241	1130-1430DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.7	215.4	256	134.3	241	1130-1430DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.5	223.3	256	134.2	260	1416-1890DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.2	204	256	134.1	152	1880LINE	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.2	204	256	134.1	391	NORWLKHAR4T	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343.4	212.1	256	134.1	295	1880-1890DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	343	205.6	256	134.0	387	NORWALKST2	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	342.5	221	256	133.8	260	1416-1890DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.8	219.3	256	133.5	260	1416-1890DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.9	212.1	256	133.5	245	1130-1430DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.4	210	256	133.4	295	1880-1890DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.5	218.5	256	133.4	256	1416-1890DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341	216.6	256	133.2	256	1416-1890DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.1	210	256	133.2	245	1130-1430DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	341.1	215.4	256	133.2	256	1416-1890DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.6	208.4	256	133.0	245	1130-1430DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	340.3	207.7	256	132.9	241	1130-1430DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.9	208.4	256	132.8	295	1880-1890DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.7	204	256	132.7	387	NORWALKST2	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.5	205.6	256	132.6	241	1130-1430DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.1	207.7	256	132.5	291	1880-1890DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339.2	212.1	256	132.5	260	1416-1890DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	339	204	256	132.4	241	1130-1430DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338.5	210	256	132.2	260	1416-1890DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	338	208.4	256	132.0	260	1416-1890DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.7	207.7	256	131.9	256	1416-1890DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337.2	205.6	256	131.7	291	1880-1890DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	337	205.6	256	131.6	256	1416-1890DCT	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	336.4	204	256	131.4	256	1416-1890DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	335.6	204	256	131.1	291	1880-1890DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	320	223.3	256	125.0	297	1890-1977DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	319	221	256	124.6	297	1890-1977DCT	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	318.4	219.3	256	124.4	297	1890-1977DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	318	218.5	256	124.2	293	1890-1977DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	317.6	215.4	256	124.1	293	1890-1977DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	317.6	216.6	256	124.0	293	1890-1977DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315.8	212.1	256	123.4	297	1890-1977DCT	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	315.1	210	256	123.1	297	1890-1977DCT	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	314.6	208.4	256	122.9	297	1890-1977DCT	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	314.3	207.7	256	122.8	293	1890-1977DCT	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	313.6	205.6	256	122.5	293	1890-1977DCT	3C (ESA)	FIX	Recond	0	On		

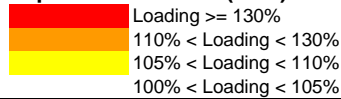
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	313.1	204	256	122.3	293	1890-1977DCT	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	296.5	223.3	256	115.8	199	91001LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	294.6	221	256	115.1	199	91001LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	293.3	219.3	256	114.6	199	91001LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	292.9	218.5	256	114.4	195	91001LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	291.5	216.6	256	113.9	195	91001LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	290.7	215.4	256	113.5	195	91001LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	288.2	212.1	256	112.6	199	91001LINE	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	286.6	210	256	111.9	199	91001LINE	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	285.3	208.4	256	111.4	199	91001LINE	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	285.1	207.7	256	111.4	195	91001LINE	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	283.4	205.6	256	110.7	195	91001LINE	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	282.1	204	256	110.2	195	91001LINE	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	279.5	223.3	256	109.2	394	NORWLKHAR3T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	276.3	223.3	256	107.9	28	1130LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	275.7	221	256	107.7	394	NORWLKHAR3T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	275.5	223.3	256	107.6	327	ASHCREEKBKR	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	275.4	223.3	256	107.6	399	PEQUON12TSTK	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	274.4	221	256	107.2	28	1130LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.8	221	256	107.0	327	ASHCREEKBKR	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273.4	221	256	106.8	399	PEQUON12TSTK	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	273	219.3	256	106.6	28	1130LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.6	219.3	256	106.5	327	ASHCREEKBKR	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.7	219.3	256	106.5	394	NORWLKHAR3T	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272.4	218.5	256	106.4	24	1130LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	271.9	219.3	256	106.2	399	PEQUON12TSTK	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272	218.5	256	106.2	323	ASHCREEKBKR	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	272	218.5	256	106.2	390	NORWLKHAR3T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.9	216.6	256	105.8	24	1130LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.7	216.6	256	105.8	323	ASHCREEKBKR	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.8	223.3	256	105.8	59	1430LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.5	218.5	256	105.7	395	PEQUON12TSTK	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.1	215.4	256	105.5	24	1130LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	270.1	215.4	256	105.5	323	ASHCREEKBKR	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269	216.6	256	105.1	395	PEQUON12TSTK	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	269.1	221	256	105.1	59	1430LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.5	216.6	256	104.9	390	NORWLKHAR3T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	268.1	215.4	256	104.7	395	PEQUON12TSTK	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.9	219.3	256	104.6	59	1430LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.4	212.1	256	104.5	327	ASHCREEKBKR	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.3	218.5	256	104.4	55	1430LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	223.3	223.3	214	104.4	**	Base Case	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	267.3	212.1	256	104.4	28	1130LINE	23C (ESA)	FIX	Recond	-700	Off		

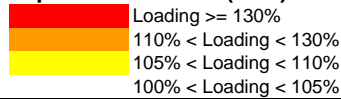
List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266.8	223.3	256	104.2	29	1130+1416LNS	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266	216.6	256	103.9	55	1430LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	266	210	256	103.9	327	ASHCREEKBKR	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.6	210	256	103.8	28	1130LINE	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.6	215.4	256	103.8	390	NORWLKHAR3T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.6	223.3	256	103.8	409	SASCOCR1T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.3	215.4	256	103.6	55	1430LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265.2	223.3	256	103.6	371	GLENBROOK8T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265	221	256	103.5	29	1130+1416LNS	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.9	208.4	256	103.5	327	ASHCREEKBKR	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.9	223.3	256	103.5	58	1416LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265	223.3	256	103.5	158	1890LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	265	223.3	256	103.5	392	NORWLKHAR1T	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	221	221	214	103.3	**	Base Case	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.4	212.1	256	103.3	399	PEQUON12TSTK	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.3	208.4	256	103.2	28	1130LINE	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.3	207.7	256	103.2	323	ASHCREEKBKR	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264	221	256	103.1	409	SASCOCR1T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264	223.3	256	103.1	228	387LINE	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	264.1	223.3	256	103.1	299	1460-387DCT	22C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.6	219.3	256	103.0	29	1130+1416LNS	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.8	207.7	256	103.0	24	1130LINE	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.5	221	256	102.9	371	GLENBROOK8T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.3	221	256	102.8	158	1890LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263.3	221	256	102.8	392	NORWLKHAR1T	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.9	205.6	256	102.7	323	ASHCREEKBKR	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263	221	256	102.7	58	1416LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	263	218.5	256	102.7	25	1130+1416LNS	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.8	212.1	256	102.7	59	1430LINE	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.6	210	256	102.6	399	PEQUON12TSTK	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.8	219.3	256	102.6	409	SASCOCR1T	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	219.3	219.3	214	102.5	**	Base Case	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.3	219.3	256	102.5	371	GLENBROOK8T	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.1	205.6	256	102.4	24	1130LINE	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.1	219.3	256	102.4	158	1890LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.1	219.3	256	102.4	392	NORWLKHAR1T	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	262.2	218.5	256	102.4	405	SASCOCR1T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.8	204	256	102.3	323	ASHCREEKBKR	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.5	216.6	256	102.2	25	1130+1416LNS	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.6	219.3	256	102.2	58	1416LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.7	218.5	256	102.2	367	GLENBROOK8T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	221	256	102.1	228	387LINE	6C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	221	256	102.1	299	1460-387DCT	6C (ESA)	FIX	Recond	0	Off		





List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by branch and then by loading

From bus	To bus	CKT	Tp	Cont MVA	Base Flow	Rating	Loading%	Ncon	Contingency	Dispatch	Controls	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	210	256	102.1	59	1430LINE	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.3	208.4	256	102.1	399	PEQUON12TSTK	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	218.5	218.5	214	102.1	**	Base Case	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.5	218.5	256	102.1	154	1890LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.4	218.5	256	102.1	295	1460-387DCT	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.5	218.5	256	102.1	388	NORWLKHAR1T	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.2	218.5	256	102.0	224	387LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261.2	212.1	256	102.0	394	NORWLKHAR3T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.9	216.6	256	101.9	405	SASCOCR1T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.8	204	256	101.9	24	1130LINE	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	261	218.5	256	101.9	54	1416LINE	18C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.7	215.4	256	101.8	25	1130+1416LNS	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	216.6	256	101.7	154	1890LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.4	216.6	256	101.7	367	GLENBROOK8T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	216.6	256	101.7	388	NORWLKHAR1T	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.3	215.4	256	101.7	405	SASCOCR1T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260.2	208.4	256	101.6	59	1430LINE	15C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.8	215.4	256	101.5	367	GLENBROOK8T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	260	207.7	256	101.5	395	PEQUON12TSTK	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.5	216.6	256	101.4	54	1416LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.6	215.4	256	101.4	154	1890LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.6	215.4	256	101.4	388	NORWLKHAR1T	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.7	207.7	256	101.4	55	1430LINE	19C (ESA)	FIX	Recond	-700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.2	219.3	256	101.3	299	1460-387DCT	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	216.6	216.6	214	101.2	**	Base Case	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.1	216.6	256	101.2	295	1460-387DCT	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	259.2	219.3	256	101.2	228	387LINE	14C (ESA)	FIX	Recond	700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.9	216.6	256	101.1	224	387LINE	2C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.7	215.4	256	101.1	54	1416LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	205.6	256	100.9	55	1430LINE	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	258.2	205.6	256	100.9	395	PEQUON12TSTK	3C (ESA)	FIX	Recond	0	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	215.4	215.4	214	100.7	**	Base Case	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.9	212.1	256	100.7	29	1130+1416LNS	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.7	212.1	256	100.7	409	SASCOCR1T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.6	210	256	100.6	394	NORWLKHAR3T	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.4	215.4	256	100.5	295	1460-387DCT	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.2	212.1	256	100.5	371	GLENBROOK8T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.1	215.4	256	100.4	224	387LINE	10C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257	204	256	100.4	55	1430LINE	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.1	212.1	256	100.4	158	1890LINE	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	257.1	212.1	256	100.4	392	NORWLKHAR1T	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.9	204	256	100.3	395	PEQUON12TSTK	11C (ESA)	FIX	Recond	700	On		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.3	210	256	100.1	29	1130+1416LNS	7C (ESA)	FIX	Recond	0	Off		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

 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	387 Line	NE-NY	NHHS
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.3	210	256	100.1	409	SASCOCR1T	7C (ESA)	FIX	Recond	0	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.3	212.1	256	100.1	228	387LINE	23C (ESA)	FIX	Recond	-700	Off		
73207 FLAX HIL 115 73271 RYTN J B 115 1	LN	256.3	212.1	256	100.1	299	1460-387DCT	23C (ESA)	FIX	Recond	-700	Off		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	253.3	64.7	231	109.6	342	DEVON2TSTK	12C (ESA)	FIX	Recond	700	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	249.5	63.7	231	108.0	342	DEVON2TSTK	4C (ESA)	FIX	Recond	0	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	245	62.4	231	106.1	342	DEVON2TSTK	20C (ESA)	FIX	Recond	-700	On		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	238.4	60.1	231	103.2	346	DEVON2TSTK	16C (ESA)	FIX	Recond	700	Off		
73224 TRMB J A 115 73700 PEQUONIC 115 1	LN	234.6	59	231	101.6	346	DEVON2TSTK	8C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	127.8	55.8	112	114.1	465	SGTN7TSTK	17C (ESA)	FIX	Recond	700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	127	52.1	112	113.4	465	SGTN7TSTK	9C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	126.6	48.3	112	113.0	465	SGTN7TSTK	25C (ESA)	FIX	Recond	-700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	125.9	54.1	112	112.4	465	SGTN7TSTK	14C (ESA)	FIX	Recond	700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	125.2	50.8	112	111.8	465	SGTN7TSTK	6C (ESA)	FIX	Recond	0	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	124.8	47	112	111.4	465	SGTN7TSTK	22C (ESA)	FIX	Recond	-700	Off		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	121.6	54.6	112	108.5	461	SGTN7TSTK	13C (ESA)	FIX	Recond	700	On		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	120.9	51.4	112	108.0	461	SGTN7TSTK	5C (ESA)	FIX	Recond	0	On		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	120.4	47.6	112	107.5	461	SGTN7TSTK	21C (ESA)	FIX	Recond	-700	On		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	119.8	53.3	112	106.9	461	SGTN7TSTK	10C (ESA)	FIX	Recond	700	On		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	119.1	50	112	106.3	461	SGTN7TSTK	2C (ESA)	FIX	Recond	0	On		
73227 E.MERIDN 115 73633 NO.WALLF 115 1	LN	118.6	46.2	112	105.9	461	SGTN7TSTK	18C (ESA)	FIX	Recond	-700	On		
73230 HADDAM 115 73231 BOKUM 115 1	LN	174.5	98.6	165	105.8	92	1620SLINE	17C (ESA)	FIX	Recond	700	Off		
73230 HADDAM 115 73231 BOKUM 115 1	LN	173.1	97.9	165	104.9	92	1620SLINE	14C (ESA)	FIX	Recond	700	Off		
73230 HADDAM 115 73231 BOKUM 115 1	LN	170.2	96.2	165	103.1	92	1620SLINE	9C (ESA)	FIX	Recond	0	Off		
73230 HADDAM 115 73231 BOKUM 115 1	LN	168.8	95.4	165	102.3	92	1620SLINE	6C (ESA)	FIX	Recond	0	Off		
73230 HADDAM 115 73231 BOKUM 115 1	LN	165.1	93.3	165	100.1	92	1620SLINE	25C (ESA)	FIX	Recond	-700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	301.7	22.4	134	225.2	429	TRIANGLE2T	15C (ESA)	FIX	Recond	700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	301.2	22.4	134	224.8	429	TRIANGLE2T	22C (ESA)	FIX	Recond	-700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	301.1	22.4	134	224.7	429	TRIANGLE2T	17C (ESA)	FIX	Recond	700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	300.9	22.4	134	224.6	429	TRIANGLE2T	9C (ESA)	FIX	Recond	0	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	300.9	22.4	134	224.5	429	TRIANGLE2T	6C (ESA)	FIX	Recond	0	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	300.9	22.4	134	224.5	429	TRIANGLE2T	25C (ESA)	FIX	Recond	-700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	300.8	22.4	134	224.4	429	TRIANGLE2T	14C (ESA)	FIX	Recond	700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.8	22.4	134	222.3	429	TRIANGLE2T	7C (ESA)	FIX	Recond	0	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.9	22.4	134	222.3	425	TRIANGLE2T	18C (ESA)	FIX	Recond	-700	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.8	22.4	134	222.3	429	TRIANGLE2T	23C (ESA)	FIX	Recond	-700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.7	22.4	134	222.2	425	TRIANGLE2T	2C (ESA)	FIX	Recond	0	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.8	22.5	134	222.2	429	TRIANGLE2T	16C (ESA)	FIX	Recond	700	Off		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.7	22.4	134	222.1	425	TRIANGLE2T	10C (ESA)	FIX	Recond	700	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.6	22.4	134	222.1	425	TRIANGLE2T	11C (ESA)	FIX	Recond	700	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.6	22.4	134	222.1	425	TRIANGLE2T	12C (ESA)	FIX	Recond	700	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.6	22.4	134	222.1	425	TRIANGLE2T	13C (ESA)	FIX	Recond	700	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.5	22.4	134	222.0	425	TRIANGLE2T	3C (ESA)	FIX	Recond	0	On		
73268 MDDLRLV 115 73176 TRIANGLE 115 1	LN	297.4	22.4	134	222.0	425	TRIANGLE2T	5C (ESA)	FIX	Recond	0	On		

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	297.4	22.4	134	222.0	429	TRIANGLE2T	8C (ESA)	FIX	Recond	0	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	297.5	22.4	134	222.0	425	TRIANGLE2T	19C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	297.3	22.4	134	221.9	425	TRIANGLE2T	4C (ESA)	FIX	Recond	0	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	297.3	22.4	134	221.9	425	TRIANGLE2T	21C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	297.1	22.4	134	221.7	429	TRIANGLE2T	24C (ESA)	FIX	Recond	-700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	296.5	22.4	134	221.3	425	TRIANGLE2T	20C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	149	22.4	134	111.2	238	1060-1165DCT	7C (ESA)	FIX	Recond	0	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.9	22.4	134	111.2	234	1060-1165DCT	12C (ESA)	FIX	Recond	700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	149.1	22.4	134	111.2	238	1060-1165DCT	15C (ESA)	FIX	Recond	700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	149	22.5	134	111.2	238	1060-1165DCT	16C (ESA)	FIX	Recond	700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.8	22.4	134	111.1	238	1060-1165DCT	8C (ESA)	FIX	Recond	0	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.9	22.4	134	111.1	234	1060-1165DCT	11C (ESA)	FIX	Recond	700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.9	22.4	134	111.1	238	1060-1165DCT	23C (ESA)	FIX	Recond	-700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.7	22.4	134	111.0	234	1060-1165DCT	2C (ESA)	FIX	Recond	0	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.8	22.4	134	111.0	234	1060-1165DCT	3C (ESA)	FIX	Recond	0	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.8	22.4	134	111.0	234	1060-1165DCT	4C (ESA)	FIX	Recond	0	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.7	22.4	134	111.0	234	1060-1165DCT	10C (ESA)	FIX	Recond	700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.7	22.4	134	111.0	234	1060-1165DCT	13C (ESA)	FIX	Recond	700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.7	22.4	134	111.0	234	1060-1165DCT	18C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.7	22.4	134	111.0	234	1060-1165DCT	19C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.6	22.4	134	110.9	234	1060-1165DCT	5C (ESA)	FIX	Recond	0	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.6	22.4	134	110.9	234	1060-1165DCT	20C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.5	22.4	134	110.9	238	1060-1165DCT	24C (ESA)	FIX	Recond	-700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.5	22.4	134	110.8	234	1060-1165DCT	21C (ESA)	FIX	Recond	-700	On
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.4	22.4	134	110.8	238	1060-1165DCT	22C (ESA)	FIX	Recond	-700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.3	22.4	134	110.7	238	1060-1165DCT	17C (ESA)	FIX	Recond	700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.2	22.4	134	110.6	238	1060-1165DCT	6C (ESA)	FIX	Recond	0	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.2	22.4	134	110.6	238	1060-1165DCT	9C (ESA)	FIX	Recond	0	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.2	22.4	134	110.6	238	1060-1165DCT	25C (ESA)	FIX	Recond	-700	Off
73268	MIDDLRIV 115 73176	TRIANGLE 115 1	LN	148.1	22.4	134	110.5	238	1060-1165DCT	14C (ESA)	FIX	Recond	700	Off
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	1091.5	436.5	794	137.5	467	devon-eshr2	10C (ESA)	FIX	Recond	700	On
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	1087.9	436.1	794	137.0	471	devon-eshr2	14C (ESA)	FIX	Recond	700	Off
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	998.5	405.9	794	125.8	467	devon-eshr2	13C (ESA)	FIX	Recond	700	On
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	998.7	407	794	125.8	471	devon-eshr2	17C (ESA)	FIX	Recond	700	Off
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	976.2	396.1	794	122.9	467	devon-eshr2	2C (ESA)	FIX	Recond	0	On
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	972.9	396.1	794	122.5	471	devon-eshr2	6C (ESA)	FIX	Recond	0	Off
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	883.3	368.2	794	111.3	471	devon-eshr2	9C (ESA)	FIX	Recond	0	Off
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	882.7	366.7	794	111.2	467	devon-eshr2	5C (ESA)	FIX	Recond	0	On
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	833.7	347	794	105.0	467	devon-eshr2	18C (ESA)	FIX	Recond	-700	On
73305	OR-ESHR3 345 73308	ESHR3-OR 345 1	LN	832.2	347.7	794	104.8	471	devon-eshr2	22C (ESA)	FIX	Recond	-700	Off
73311	DEVISING2 345 73313	SINGDEV2 345 1	LN	998.4	525.1	794	125.7	463	SINGDEV1	10C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345 73313	SINGDEV2 345 1	LN	978.5	525.1	794	123.2	465	devonstuck	10C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345 73313	SINGDEV2 345 1	LN	976.6	514.3	794	123.0	467	SINGDEV1	14C (ESA)	FIX	Recond	700	Off

List of Overloads: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	966.7	525.1	794	121.7	464	SINGERSTK	10C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	956.9	514.3	794	120.5	469	devonstuck	14C (ESA)	FIX	Recond	700	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	945	514.3	794	119.0	468	SINGERSTK	14C (ESA)	FIX	Recond	700	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	880.2	464.6	794	110.9	463	SINGDEV1	2C (ESA)	FIX	Recond	0	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	861.6	464.6	794	108.5	465	devonstuck	2C (ESA)	FIX	Recond	0	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	859.9	464.6	794	108.3	464	SINGERSTK	2C (ESA)	FIX	Recond	0	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	857.3	452.6	794	108.0	467	SINGDEV1	6C (ESA)	FIX	Recond	0	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	839.4	452.6	794	105.7	469	devonstuck	6C (ESA)	FIX	Recond	0	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	838.7	452.6	794	105.6	468	SINGERSTK	6C (ESA)	FIX	Recond	0	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	832.7	442	794	104.9	463	SINGDEV1	13C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	815.1	433.5	794	102.7	467	SINGDEV1	17C (ESA)	FIX	Recond	700	Off
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	814.9	442	794	102.6	465	devonstuck	13C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	799.1	442	794	100.6	464	SINGERSTK	13C (ESA)	FIX	Recond	700	On
73311	DEVISING2 345	73313 SINGDEV2 345 1	LN	797.5	433.5	794	100.4	469	devonstuck	17C (ESA)	FIX	Recond	700	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	1022.7	565.1	794	128.8	462	NORSING1	11C (ESA)	FIX	Recond	700	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	1003.7	565.1	794	126.4	464	SINGERSTK	11C (ESA)	FIX	Recond	700	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	984.7	545.2	794	124.0	466	NORSING1	15C (ESA)	FIX	Recond	700	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	966.3	545.2	794	121.7	468	SINGERSTK	15C (ESA)	FIX	Recond	700	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	912.3	509.8	794	114.9	462	NORSING1	3C (ESA)	FIX	Recond	0	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	908.3	506.1	794	114.4	462	NORSING1	12C (ESA)	FIX	Recond	700	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	896.3	509.8	794	112.9	464	SINGERSTK	3C (ESA)	FIX	Recond	0	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	894.7	506.1	794	112.7	464	SINGERSTK	12C (ESA)	FIX	Recond	700	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	875.6	490.8	794	110.3	466	NORSING1	7C (ESA)	FIX	Recond	0	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	870.9	486.7	794	109.7	466	NORSING1	16C (ESA)	FIX	Recond	700	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	860.2	490.8	794	108.3	468	SINGERSTK	7C (ESA)	FIX	Recond	0	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	858	486.7	794	108.1	468	SINGERSTK	16C (ESA)	FIX	Recond	700	Off
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	823.7	464	794	103.7	462	NORSING1	10C (ESA)	FIX	Recond	700	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	796.9	449.7	794	100.4	462	NORSING1	4C (ESA)	FIX	Recond	0	On
73317	NORSING2 345	73315 SINGNOR2 345 1	LN	795.1	464	794	100.1	464	SINGERSTK	10C (ESA)	FIX	Recond	700	On
73669	GRAND AV 115	73681 WEST RIV 115 1	LN	271.2	111.9	258	105.1	369	GRNDV2TSTK	13C (ESA)	FIX	Recond	700	On
73669	GRAND AV 115	73681 WEST RIV 115 1	LN	269.6	110	258	104.5	369	GRNDV2TSTK	5C (ESA)	FIX	Recond	0	On
73669	GRAND AV 115	73681 WEST RIV 115 1	LN	267.8	107.7	258	103.8	369	GRNDV2TSTK	21C (ESA)	FIX	Recond	-700	On
73669	GRAND AV 115	73681 WEST RIV 115 2	LN	271.2	111.9	258	105.1	369	GRNDV2TSTK	13C (ESA)	FIX	Recond	700	On
73669	GRAND AV 115	73681 WEST RIV 115 2	LN	269.6	110	258	104.5	369	GRNDV2TSTK	5C (ESA)	FIX	Recond	0	On
73669	GRAND AV 115	73681 WEST RIV 115 2	LN	267.8	107.7	258	103.8	369	GRNDV2TSTK	21C (ESA)	FIX	Recond	-700	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	280	51	273	102.6	369	GRNDV2TSTK	21C (ESA)	FIX	Recond	-700	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	278.9	37.8	273	102.2	369	GRNDV2TSTK	18C (ESA)	FIX	Recond	-700	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	277	52.8	273	101.5	369	GRNDV2TSTK	5C (ESA)	FIX	Recond	0	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	276	39.3	273	101.1	369	GRNDV2TSTK	2C (ESA)	FIX	Recond	0	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	274.5	54.3	273	100.6	369	GRNDV2TSTK	13C (ESA)	FIX	Recond	700	On
73680	WATER ST 115	73681 WEST RIV 115 1	LN	273.3	40.7	273	100.1	369	GRNDV2TSTK	10C (ESA)	FIX	Recond	700	On
73701	CRRA JCT 115	73703 ASCREEK 115 1	LN	439.3	276.7	439	100.1	252	1389-1880DCT	19C (ESA)	FIX	Recond	-700	On

Appendix F

Summary of Voltage Violations

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

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

NHHS is the 447 MW New Haven Harbor Station

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.
387 Line	“Recond” indicates the East Shore to Scovill Rock 345 kV line is the reconductored, as discussed in the accompanying report
NE-NY	MW transfer on the New England and New York tie lines, with a positive value indicating a New England export
NHHS	Indicates whether the 447 MW New Haven Harbor Station is on-line or off-line

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.
387 Line	“Recond” indicates the East Shore to Scovill Rock 345 kV line is reconductored, as discussed in the accompanying report
NE-NY	MW transfer on the New England and New York tie lines, with a positive value indicating a New England export
NHHS	Indicates whether the 447 MW New Haven Harbor Station is on-line or off-line

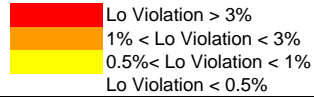
Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls	387 Line	NE-NY	NHHS
73160	BALDWINB	115	701	171	2	0.035	252	1272-1721DCT	-	-		9C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	2	0.035	252	1272-1721DCT	-	-		17C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	2	0.034	252	1272-1721DCT	-	-		25C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	2	0.033	248	1272-1721DCT	-	-		5C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	2	0.033	248	1272-1721DCT	-	-		13C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	2	0.032	248	1272-1721DCT	-	-		21C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	1	0.020	248	1272-1721DCT	-	-		2C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	1	0.020	252	1272-1721DCT	-	-		6C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	1	0.020	248	1272-1721DCT	-	-		10C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	1	0.020	252	1272-1721DCT	-	-		14C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	1	0.020	248	1272-1721DCT	-	-		18C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	1	0.016	248	1272-1721DCT	-	-		12C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	1	0.016	252	1272-1721DCT	-	-		16C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	1	0.015	248	1272-1721DCT	-	-		4C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		7C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		8C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	1	0.015	248	1272-1721DCT	-	-		11C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		15C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	1	0.015	248	1272-1721DCT	-	-		20C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		22C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		23C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	1	0.015	252	1272-1721DCT	-	-		24C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	1	0.014	248	1272-1721DCT	-	-		3C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	1	0.013	248	1272-1721DCT	-	-		19C (ESA)	FIX	Recond	-700	On
73188	BCNFL PF	115	701	171	1	0.006	252	1272-1721DCT	-	-		17C (ESA)	FIX	Recond	700	Off
73188	BCNFL PF	115	701	171	1	0.005	252	1272-1721DCT	-	-		9C (ESA)	FIX	Recond	0	Off
73188	BCNFL PF	115	701	171	1	0.005	252	1272-1721DCT	-	-		25C (ESA)	FIX	Recond	-700	Off
73188	BCNFL PF	115	701	171	1	0.004	248	1272-1721DCT	-	-		13C (ESA)	FIX	Recond	700	On
73188	BCNFL PF	115	701	171	1	0.003	248	1272-1721DCT	-	-		5C (ESA)	FIX	Recond	0	On
73188	BCNFL PF	115	701	171	1	0.003	248	1272-1721DCT	-	-		21C (ESA)	FIX	Recond	-700	On
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	3C (ESA)	FIX	Recond	0	On
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	4C (ESA)	FIX	Recond	0	On
73153	BRANFORD	115	701	171	1	-	-		0.004	337	BRANFORD4T	8C (ESA)	FIX	Recond	0	Off
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	11C (ESA)	FIX	Recond	700	On
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	12C (ESA)	FIX	Recond	700	On
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	19C (ESA)	FIX	Recond	-700	On
73153	BRANFORD	115	701	171	1	-	-		0.004	333	BRANFORD4T	20C (ESA)	FIX	Recond	-700	On
73153	BRANFORD	115	701	171	1	-	-		0.004	337	BRANFORD4T	24C (ESA)	FIX	Recond	-700	Off
73153	BRANFORD	115	701	171	1	-	-		0.003	337	BRANFORD4T	7C (ESA)	FIX	Recond	0	Off
73153	BRANFORD	115	701	171	1	-	-		0.003	337	BRANFORD4T	15C (ESA)	FIX	Recond	700	Off
73153	BRANFORD	115	701	171	1	-	-		0.003	337	BRANFORD4T	16C (ESA)	FIX	Recond	700	Off
73153	BRANFORD	115	701	171	1	-	-		0.003	337	BRANFORD4T	23C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	2	0.035	252	1272-1721DCT	-	-		9C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	2	0.035	252	1272-1721DCT	-	-		17C (ESA)	FIX	Recond	700	Off

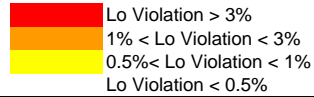
Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls	387 Line	NE-NY	NHHS
73185	BUNKER H	115	701	171	2	0.034	252	1272-1721DCT	-	-		25C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	2	0.033	248	1272-1721DCT	-	-		5C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	2	0.033	248	1272-1721DCT	-	-		13C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	1	0.032	248	1272-1721DCT	-	-		21C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	1	0.020	248	1272-1721DCT	-	-		2C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	1	0.020	252	1272-1721DCT	-	-		6C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	1	0.020	248	1272-1721DCT	-	-		10C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	1	0.020	252	1272-1721DCT	-	-		14C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	1	0.019	248	1272-1721DCT	-	-		18C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	1	0.016	248	1272-1721DCT	-	-		12C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	1	0.016	252	1272-1721DCT	-	-		16C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	1	0.015	248	1272-1721DCT	-	-		4C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	1	0.015	252	1272-1721DCT	-	-		7C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	1	0.015	252	1272-1721DCT	-	-		8C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	1	0.015	252	1272-1721DCT	-	-		15C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	1	0.015	248	1272-1721DCT	-	-		20C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	1	0.015	252	1272-1721DCT	-	-		22C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	1	0.015	252	1272-1721DCT	-	-		24C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	1	0.014	248	1272-1721DCT	-	-		3C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	1	0.014	248	1272-1721DCT	-	-		11C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	1	0.014	252	1272-1721DCT	-	-		23C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	1	0.013	248	1272-1721DCT	-	-		19C (ESA)	FIX	Recond	-700	On
73682	ELMWST A	115	701	185	2	0.016	374	GRNDAV7TSTK	-	-		13C (ESA)	FIX	Recond	700	On
73682	ELMWST A	115	701	185	2	0.010	374	GRNDAV7TSTK	-	-		5C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	3	0.008	378	GRNDAV7TSTK	-	-		9C (ESA)	FIX	Recond	0	Off
73682	ELMWST A	115	701	185	3	0.008	378	GRNDAV7TSTK	-	-		17C (ESA)	FIX	Recond	700	Off
73682	ELMWST A	115	701	185	3	0.006	378	GRNDAV7TSTK	-	-		25C (ESA)	FIX	Recond	-700	Off
73682	ELMWST A	115	701	185	2	0.004	374	GRNDAV7TSTK	-	-		21C (ESA)	FIX	Recond	-700	On
73682	ELMWST A	115	701	185	2	0.001	374	GRNDAV7TSTK	-	-		2C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	2	0.000	378	GRNDAV7TSTK	-	-		14C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	3	0.018	371	GRNDAV4TSTK	-	-		13C (ESA)	FIX	Recond	700	On
73683	ELMWST B	115	701	185	3	0.012	371	GRNDAV4TSTK	-	-		5C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	3	0.010	375	GRNDAV4TSTK	-	-		9C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	3	0.010	375	GRNDAV4TSTK	-	-		17C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	3	0.008	375	GRNDAV4TSTK	-	-		25C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	2	0.006	371	GRNDAV4TSTK	-	-		21C (ESA)	FIX	Recond	-700	On
73683	ELMWST B	115	701	185	2	0.003	371	GRNDAV4TSTK	-	-		2C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	2	0.002	375	GRNDAV4TSTK	-	-		6C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	2	0.002	375	GRNDAV4TSTK	-	-		14C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	2	0.001	375	GRNDAV4TSTK	-	-		22C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	1	0.037	252	1272-1721DCT	-	-		17C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	1	0.036	252	1272-1721DCT	-	-		9C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	1	0.036	252	1272-1721DCT	-	-		25C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	1	0.035	248	1272-1721DCT	-	-		13C (ESA)	FIX	Recond	700	On

Voltage Violations, Worst & Total: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)



Sorted by bus, then low violation, then high violation

Bus #	Bus Name	KV	Area	Zone	# Viols	Worst Lo Vio	Ncon Lo	Cont Name Worst Lo	Worst Hi Vio	Ncon Hi	Cont Name Worst Hi	Dispatch	Controls	387 Line	NE-NY	NHHS
73189	FREIGHT	115	701	171	1	0.034	248	1272-1721DCT	-	-		5C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	1	0.034	248	1272-1721DCT	-	-		21C (ESA)	FIX	Recond	-700	On
73189	FREIGHT	115	701	171	1	0.022	248	1272-1721DCT	-	-		2C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	1	0.022	248	1272-1721DCT	-	-		10C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	1	0.021	252	1272-1721DCT	-	-		6C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	1	0.021	252	1272-1721DCT	-	-		14C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	1	0.021	248	1272-1721DCT	-	-		18C (ESA)	FIX	Recond	-700	On
73189	FREIGHT	115	701	171	1	0.017	248	1272-1721DCT	-	-		4C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	1	0.017	252	1272-1721DCT	-	-		8C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	1	0.017	248	1272-1721DCT	-	-		12C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	1	0.017	252	1272-1721DCT	-	-		16C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	1	0.016	248	1272-1721DCT	-	-		3C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	1	0.016	252	1272-1721DCT	-	-		7C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	1	0.016	248	1272-1721DCT	-	-		11C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	1	0.016	252	1272-1721DCT	-	-		15C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	1	0.016	248	1272-1721DCT	-	-		20C (ESA)	FIX	Recond	-700	On
73189	FREIGHT	115	701	171	1	0.016	252	1272-1721DCT	-	-		22C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	1	0.016	252	1272-1721DCT	-	-		23C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	1	0.016	252	1272-1721DCT	-	-		24C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	1	0.015	248	1272-1721DCT	-	-		19C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1	-	-		0.005	384	NOHAVN2TSTK	4C (ESA)	FIX	Recond	0	On
73671	NO.HAVEN	115	701	185	1	-	-		0.005	384	NOHAVN2TSTK	12C (ESA)	FIX	Recond	700	On
73671	NO.HAVEN	115	701	185	1	-	-		0.005	384	NOHAVN2TSTK	20C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1	-	-		0.004	388	NOHAVN2TSTK	8C (ESA)	FIX	Recond	0	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.004	388	NOHAVN2TSTK	24C (ESA)	FIX	Recond	-700	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.003	384	NOHAVN2TSTK	3C (ESA)	FIX	Recond	0	On
73671	NO.HAVEN	115	701	185	1	-	-		0.003	384	NOHAVN2TSTK	11C (ESA)	FIX	Recond	700	On
73671	NO.HAVEN	115	701	185	1	-	-		0.003	388	NOHAVN2TSTK	16C (ESA)	FIX	Recond	700	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.003	384	NOHAVN2TSTK	19C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1	-	-		0.002	388	NOHAVN2TSTK	7C (ESA)	FIX	Recond	0	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.002	388	NOHAVN2TSTK	23C (ESA)	FIX	Recond	-700	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.001	384	NOHAVN2TSTK	2C (ESA)	FIX	Recond	0	On
73671	NO.HAVEN	115	701	185	1	-	-		0.001	388	NOHAVN2TSTK	15C (ESA)	FIX	Recond	700	Off
73671	NO.HAVEN	115	701	185	1	-	-		0.001	384	NOHAVN2TSTK	18C (ESA)	FIX	Recond	-700	On
73199	SO.NAUG	115	701	171	1	0.005	252	1272-1721DCT	-	-		9C (ESA)	FIX	Recond	0	Off
73199	SO.NAUG	115	701	171	1	0.005	252	1272-1721DCT	-	-		17C (ESA)	FIX	Recond	700	Off
73199	SO.NAUG	115	701	171	1	0.005	252	1272-1721DCT	-	-		25C (ESA)	FIX	Recond	-700	Off
73199	SO.NAUG	115	701	171	1	0.004	248	1272-1721DCT	-	-		13C (ESA)	FIX	Recond	700	On
73199	SO.NAUG	115	701	171	1	0.003	248	1272-1721DCT	-	-		5C (ESA)	FIX	Recond	0	On
73199	SO.NAUG	115	701	171	1	0.003	248	1272-1721DCT	-	-		21C (ESA)	FIX	Recond	-700	On

List of Voltage Violations: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73160	BALDWINB	115	701	171	0.8648	1.0052	0.9	1.05	-	-	L	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	0.8652	1.0063	0.9	1.05	-	-	L	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	0.8657	1.007	0.9	1.05	-	-	L	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	0.8667	1.0057	0.9	1.05	-	-	L	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	0.8671	1.0069	0.9	1.05	-	-	L	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	0.8678	1.0079	0.9	1.05	-	-	L	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	0.8797	1.0082	0.9	1.05	-	-	L	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	0.8797	1.0088	0.9	1.05	-	-	L	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	0.88	1.0119	0.9	1.05	-	-	L	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	0.8801	1.0122	0.9	1.05	-	-	L	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	0.8804	1.01	0.9	1.05	-	-	L	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	0.8842	1.0062	0.9	1.05	-	-	L	252	1272-1721DCT	16C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	0.8843	1.0063	0.9	1.05	-	-	L	248	1272-1721DCT	12C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	0.8846	1.0073	0.9	1.05	-	-	L	252	1272-1721DCT	8C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	0.8847	1.0073	0.9	1.05	-	-	L	248	1272-1721DCT	4C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	0.885	1.0099	0.9	1.05	-	-	L	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	0.8851	1.0084	0.9	1.05	-	-	L	252	1272-1721DCT	24C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	0.8852	1.0106	0.9	1.05	-	-	L	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	0.8852	1.0083	0.9	1.05	-	-	L	248	1272-1721DCT	20C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	0.8853	1.0093	0.9	1.05	-	-	L	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	0.8854	1.0103	0.9	1.05	-	-	L	248	1272-1721DCT	11C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	0.8854	1.0111	0.9	1.05	-	-	L	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	0.8856	1.011	0.9	1.05	-	-	L	248	1272-1721DCT	3C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	0.8867	1.0116	0.9	1.05	-	-	L	248	1272-1721DCT	19C (ESA)	FIX	Recond	-700	On
73160	BALDWINB	115	701	171	0.896	1.0052	0.9	1.05	-	-	L	341	BUNKERH2T	17C (ESA)	FIX	Recond	700	Off
73160	BALDWINB	115	701	171	0.8964	1.0063	0.9	1.05	-	-	L	341	BUNKERH2T	9C (ESA)	FIX	Recond	0	Off
73160	BALDWINB	115	701	171	0.8968	1.007	0.9	1.05	-	-	L	341	BUNKERH2T	25C (ESA)	FIX	Recond	-700	Off
73160	BALDWINB	115	701	171	0.8977	1.0057	0.9	1.05	-	-	L	337	BUNKERH2T	13C (ESA)	FIX	Recond	700	On
73160	BALDWINB	115	701	171	0.8981	1.0069	0.9	1.05	-	-	L	337	BUNKERH2T	5C (ESA)	FIX	Recond	0	On
73160	BALDWINB	115	701	171	0.8988	1.0079	0.9	1.05	-	-	L	337	BUNKERH2T	21C (ESA)	FIX	Recond	-700	On
73188	BCNFL PF	115	701	171	0.8944	0.9961	0.9	1.05	-	-	L	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73188	BCNFL PF	115	701	171	0.8949	0.997	0.9	1.05	-	-	L	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73188	BCNFL PF	115	701	171	0.8953	0.9976	0.9	1.05	-	-	L	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73188	BCNFL PF	115	701	171	0.8963	0.9969	0.9	1.05	-	-	L	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73188	BCNFL PF	115	701	171	0.8967	0.9978	0.9	1.05	-	-	L	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73188	BCNFL PF	115	701	171	0.8973	0.9987	0.9	1.05	-	-	L	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On
73153	BRANFORD	115	701	171	1.0527	1.0316	0.9	1.05	-	-	H	337	BRANFORD4T	15C (ESA)	FIX	Recond	700	Off
73153	BRANFORD	115	701	171	1.053	1.0323	0.9	1.05	-	-	H	337	BRANFORD4T	7C (ESA)	FIX	Recond	0	Off
73153	BRANFORD	115	701	171	1.0533	1.0334	0.9	1.05	-	-	H	337	BRANFORD4T	16C (ESA)	FIX	Recond	700	Off
73153	BRANFORD	115	701	171	1.0533	1.0328	0.9	1.05	-	-	H	337	BRANFORD4T	23C (ESA)	FIX	Recond	-700	Off
73153	BRANFORD	115	701	171	1.0536	1.034	0.9	1.05	-	-	H	337	BRANFORD4T	8C (ESA)	FIX	Recond	0	Off
73153	BRANFORD	115	701	171	1.0537	1.0333	0.9	1.05	-	-	H	333	BRANFORD4T	11C (ESA)	FIX	Recond	700	On

List of Voltage Violations: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73153	BRANFORD	115	701	171	1.0539	1.0337	0.9	1.05	-	-	H	333	BRANFORD4T	3C (ESA)	FIX	Recond	0	On
73153	BRANFORD	115	701	171	1.0539	1.0347	0.9	1.05	-	-	H	333	BRANFORD4T	12C (ESA)	FIX	Recond	700	On
73153	BRANFORD	115	701	171	1.054	1.0349	0.9	1.05	-	-	H	333	BRANFORD4T	4C (ESA)	FIX	Recond	0	On
73153	BRANFORD	115	701	171	1.054	1.0349	0.9	1.05	-	-	H	333	BRANFORD4T	20C (ESA)	FIX	Recond	-700	On
73153	BRANFORD	115	701	171	1.054	1.0346	0.9	1.05	-	-	H	337	BRANFORD4T	24C (ESA)	FIX	Recond	-700	Off
73153	BRANFORD	115	701	171	1.0541	1.0342	0.9	1.05	-	-	H	333	BRANFORD4T	19C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	0.865	1.0152	0.9	1.05	-	-	L	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	0.8654	1.0163	0.9	1.05	-	-	L	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	0.8659	1.0171	0.9	1.05	-	-	L	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	0.8669	1.0156	0.9	1.05	-	-	L	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	0.8673	1.0168	0.9	1.05	-	-	L	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	0.868	1.0179	0.9	1.05	-	-	L	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	0.8799	1.0176	0.9	1.05	-	-	L	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	0.88	1.0182	0.9	1.05	-	-	L	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	0.8802	1.0216	0.9	1.05	-	-	L	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	0.8803	1.0218	0.9	1.05	-	-	L	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	0.8807	1.0195	0.9	1.05	-	-	L	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	0.8843	1.0153	0.9	1.05	-	-	L	252	1272-1721DCT	16C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	0.8844	1.0155	0.9	1.05	-	-	L	248	1272-1721DCT	12C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	0.8847	1.0165	0.9	1.05	-	-	L	252	1272-1721DCT	8C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	0.8848	1.0164	0.9	1.05	-	-	L	248	1272-1721DCT	4C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	0.8852	1.0192	0.9	1.05	-	-	L	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	0.8852	1.0177	0.9	1.05	-	-	L	252	1272-1721DCT	24C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	0.8853	1.0175	0.9	1.05	-	-	L	248	1272-1721DCT	20C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	0.8854	1.02	0.9	1.05	-	-	L	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	0.8855	1.0188	0.9	1.05	-	-	L	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	0.8856	1.0197	0.9	1.05	-	-	L	248	1272-1721DCT	11C (ESA)	FIX	Recond	700	On
73185	BUNKER H	115	701	171	0.8856	1.0206	0.9	1.05	-	-	L	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	0.8858	1.0204	0.9	1.05	-	-	L	248	1272-1721DCT	3C (ESA)	FIX	Recond	0	On
73185	BUNKER H	115	701	171	0.8868	1.021	0.9	1.05	-	-	L	248	1272-1721DCT	19C (ESA)	FIX	Recond	-700	On
73185	BUNKER H	115	701	171	0.898	1.0152	0.9	1.05	-	-	L	341	BUNKERH2T	17C (ESA)	FIX	Recond	700	Off
73185	BUNKER H	115	701	171	0.8984	1.0163	0.9	1.05	-	-	L	341	BUNKERH2T	9C (ESA)	FIX	Recond	0	Off
73185	BUNKER H	115	701	171	0.8988	1.0171	0.9	1.05	-	-	L	341	BUNKERH2T	25C (ESA)	FIX	Recond	-700	Off
73185	BUNKER H	115	701	171	0.8997	1.0156	0.9	1.05	-	-	L	337	BUNKERH2T	13C (ESA)	FIX	Recond	700	On
73682	ELMWST A	115	701	185	0.8842	1.028	0.9	1.05	-	-	L	374	GRNDV7TSTK	13C (ESA)	FIX	Recond	700	On
73682	ELMWST A	115	701	185	0.8899	1.0281	0.9	1.05	-	-	L	374	GRNDV7TSTK	5C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	0.8915	1.0248	0.9	1.05	-	-	L	378	GRNDV7TSTK	17C (ESA)	FIX	Recond	700	Off
73682	ELMWST A	115	701	185	0.8919	1.025	0.9	1.05	-	-	L	378	GRNDV7TSTK	9C (ESA)	FIX	Recond	0	Off
73682	ELMWST A	115	701	185	0.8923	1.0248	0.9	1.05	-	-	L	441	WRIVER1TSTK	17C (ESA)	FIX	Recond	700	Off
73682	ELMWST A	115	701	185	0.8929	1.025	0.9	1.05	-	-	L	441	WRIVER1TSTK	9C (ESA)	FIX	Recond	0	Off
73682	ELMWST A	115	701	185	0.894	1.0257	0.9	1.05	-	-	L	378	GRNDV7TSTK	25C (ESA)	FIX	Recond	-700	Off
73682	ELMWST A	115	701	185	0.895	1.0257	0.9	1.05	-	-	L	441	WRIVER1TSTK	25C (ESA)	FIX	Recond	-700	Off

List of Voltage Violations: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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	387 Line	NE-NY	NHHS
73682	ELMWST A	115	701	185	0.8963	1.0248	0.9	1.05	-	-	L	377	GRNDAV6TSTK	17C (ESA)	FIX	Recond	700	Off
73682	ELMWST A	115	701	185	0.8963	1.0282	0.9	1.05	-	-	L	374	GRNDAV7TSTK	21C (ESA)	FIX	Recond	-700	On
73682	ELMWST A	115	701	185	0.8971	1.025	0.9	1.05	-	-	L	377	GRNDAV6TSTK	9C (ESA)	FIX	Recond	0	Off
73682	ELMWST A	115	701	185	0.898	1.028	0.9	1.05	-	-	L	437	WRIVER1TSTK	13C (ESA)	FIX	Recond	700	On
73682	ELMWST A	115	701	185	0.8984	1.0281	0.9	1.05	-	-	L	437	WRIVER1TSTK	5C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	0.8986	1.0303	0.9	1.05	-	-	L	374	GRNDAV7TSTK	2C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	0.8988	1.0282	0.9	1.05	-	-	L	437	WRIVER1TSTK	21C (ESA)	FIX	Recond	-700	On
73682	ELMWST A	115	701	185	0.8991	1.0257	0.9	1.05	-	-	L	377	GRNDAV6TSTK	25C (ESA)	FIX	Recond	-700	Off
73682	ELMWST A	115	701	185	0.8994	1.0303	0.9	1.05	-	-	L	437	WRIVER1TSTK	2C (ESA)	FIX	Recond	0	On
73682	ELMWST A	115	701	185	0.8995	1.0289	0.9	1.05	-	-	L	378	GRNDAV7TSTK	14C (ESA)	FIX	Recond	700	Off
73682	ELMWST A	115	701	185	0.9	1.0289	0.9	1.05	-	-	L	441	WRIVER1TSTK	14C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.8817	1.028	0.9	1.05	-	-	L	371	GRNDAV4TSTK	13C (ESA)	FIX	Recond	700	On
73683	ELMWST B	115	701	185	0.8877	1.0281	0.9	1.05	-	-	L	371	GRNDAV4TSTK	5C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	0.8895	1.0248	0.9	1.05	-	-	L	375	GRNDAV4TSTK	17C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.8899	1.025	0.9	1.05	-	-	L	375	GRNDAV4TSTK	9C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	0.8903	1.0248	0.9	1.05	-	-	L	442	WRIVER2TSTK	17C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.8909	1.025	0.9	1.05	-	-	L	442	WRIVER2TSTK	9C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	0.892	1.0257	0.9	1.05	-	-	L	375	GRNDAV4TSTK	25C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	0.893	1.0257	0.9	1.05	-	-	L	442	WRIVER2TSTK	25C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	0.8943	1.0248	0.9	1.05	-	-	L	376	GRNDAV5TSTK	17C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.8943	1.0282	0.9	1.05	-	-	L	371	GRNDAV4TSTK	21C (ESA)	FIX	Recond	-700	On
73683	ELMWST B	115	701	185	0.8952	1.025	0.9	1.05	-	-	L	376	GRNDAV5TSTK	9C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	0.8961	1.028	0.9	1.05	-	-	L	438	WRIVER2TSTK	13C (ESA)	FIX	Recond	700	On
73683	ELMWST B	115	701	185	0.8964	1.0281	0.9	1.05	-	-	L	438	WRIVER2TSTK	5C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	0.8965	1.0303	0.9	1.05	-	-	L	371	GRNDAV4TSTK	2C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	0.8968	1.0282	0.9	1.05	-	-	L	438	WRIVER2TSTK	21C (ESA)	FIX	Recond	-700	On
73683	ELMWST B	115	701	185	0.8972	1.0257	0.9	1.05	-	-	L	376	GRNDAV5TSTK	25C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	0.8973	1.0303	0.9	1.05	-	-	L	438	WRIVER2TSTK	2C (ESA)	FIX	Recond	0	On
73683	ELMWST B	115	701	185	0.8976	1.0289	0.9	1.05	-	-	L	375	GRNDAV4TSTK	14C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.898	1.0289	0.9	1.05	-	-	L	442	WRIVER2TSTK	14C (ESA)	FIX	Recond	700	Off
73683	ELMWST B	115	701	185	0.8985	1.0292	0.9	1.05	-	-	L	375	GRNDAV4TSTK	6C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	0.8989	1.0292	0.9	1.05	-	-	L	442	WRIVER2TSTK	6C (ESA)	FIX	Recond	0	Off
73683	ELMWST B	115	701	185	0.8992	1.0294	0.9	1.05	-	-	L	375	GRNDAV4TSTK	22C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	0.8995	1.028	0.9	1.05	-	-	L	372	GRNDAV5TSTK	13C (ESA)	FIX	Recond	700	On
73683	ELMWST B	115	701	185	0.8997	1.0294	0.9	1.05	-	-	L	442	WRIVER2TSTK	22C (ESA)	FIX	Recond	-700	Off
73683	ELMWST B	115	701	185	0.8998	1.0281	0.9	1.05	-	-	L	372	GRNDAV5TSTK	5C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	0.8635	1.017	0.9	1.05	-	-	L	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	0.8639	1.0182	0.9	1.05	-	-	L	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	0.8644	1.0189	0.9	1.05	-	-	L	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	0.8653	1.0174	0.9	1.05	-	-	L	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	0.8658	1.0187	0.9	1.05	-	-	L	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	0.8664	1.0198	0.9	1.05	-	-	L	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On

List of Voltage Violations: 27.7 GW NE Load, Dispatches 2C - 25C (ESA)

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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	387 Line	NE-NY	NHHS
73189	FREIGHT	115	701	171	0.8784	1.0192	0.9	1.05	-	-	L	248	1272-1721DCT	2C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	0.8785	1.0198	0.9	1.05	-	-	L	248	1272-1721DCT	10C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	0.8787	1.0232	0.9	1.05	-	-	L	252	1272-1721DCT	14C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	0.8788	1.0235	0.9	1.05	-	-	L	252	1272-1721DCT	6C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	0.8792	1.0211	0.9	1.05	-	-	L	248	1272-1721DCT	18C (ESA)	FIX	Recond	-700	On
73189	FREIGHT	115	701	171	0.8828	1.0171	0.9	1.05	-	-	L	252	1272-1721DCT	16C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	0.8829	1.0173	0.9	1.05	-	-	L	248	1272-1721DCT	12C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	0.8832	1.0183	0.9	1.05	-	-	L	252	1272-1721DCT	8C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	0.8833	1.0183	0.9	1.05	-	-	L	248	1272-1721DCT	4C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	0.8837	1.0209	0.9	1.05	-	-	L	252	1272-1721DCT	15C (ESA)	FIX	Recond	700	Off
73189	FREIGHT	115	701	171	0.8837	1.0195	0.9	1.05	-	-	L	252	1272-1721DCT	24C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	0.8838	1.0194	0.9	1.05	-	-	L	248	1272-1721DCT	20C (ESA)	FIX	Recond	-700	On
73189	FREIGHT	115	701	171	0.8839	1.0218	0.9	1.05	-	-	L	252	1272-1721DCT	7C (ESA)	FIX	Recond	0	Off
73189	FREIGHT	115	701	171	0.884	1.0204	0.9	1.05	-	-	L	252	1272-1721DCT	22C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	0.8841	1.0215	0.9	1.05	-	-	L	248	1272-1721DCT	11C (ESA)	FIX	Recond	700	On
73189	FREIGHT	115	701	171	0.8841	1.0223	0.9	1.05	-	-	L	252	1272-1721DCT	23C (ESA)	FIX	Recond	-700	Off
73189	FREIGHT	115	701	171	0.8843	1.0222	0.9	1.05	-	-	L	248	1272-1721DCT	3C (ESA)	FIX	Recond	0	On
73189	FREIGHT	115	701	171	0.8853	1.0228	0.9	1.05	-	-	L	248	1272-1721DCT	19C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1.0505	1.034	0.9	1.05	-	-	H	384	NOHAVN2TSTK	2C (ESA)	FIX	Recond	0	On
73671	NO.HAVEN	115	701	185	1.0512	1.0414	0.9	1.05	-	-	H	388	NOHAVN2TSTK	15C (ESA)	FIX	Recond	700	Off
73671	NO.HAVEN	115	701	185	1.0515	1.0349	0.9	1.05	-	-	H	384	NOHAVN2TSTK	18C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1.0518	1.0418	0.9	1.05	-	-	H	388	NOHAVN2TSTK	7C (ESA)	FIX	Recond	0	Off
73671	NO.HAVEN	115	701	185	1.0522	1.0422	0.9	1.05	-	-	H	388	NOHAVN2TSTK	23C (ESA)	FIX	Recond	-700	Off
73671	NO.HAVEN	115	701	185	1.0529	1.0427	0.9	1.05	-	-	H	384	NOHAVN2TSTK	11C (ESA)	FIX	Recond	700	On
73671	NO.HAVEN	115	701	185	1.053	1.0429	0.9	1.05	-	-	H	384	NOHAVN2TSTK	3C (ESA)	FIX	Recond	0	On
73671	NO.HAVEN	115	701	185	1.0531	1.0423	0.9	1.05	-	-	H	388	NOHAVN2TSTK	16C (ESA)	FIX	Recond	700	Off
73671	NO.HAVEN	115	701	185	1.0535	1.0432	0.9	1.05	-	-	H	384	NOHAVN2TSTK	19C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1.0537	1.0427	0.9	1.05	-	-	H	388	NOHAVN2TSTK	8C (ESA)	FIX	Recond	0	Off
73671	NO.HAVEN	115	701	185	1.0544	1.0431	0.9	1.05	-	-	H	388	NOHAVN2TSTK	24C (ESA)	FIX	Recond	-700	Off
73671	NO.HAVEN	115	701	185	1.0546	1.0432	0.9	1.05	-	-	H	384	NOHAVN2TSTK	12C (ESA)	FIX	Recond	700	On
73671	NO.HAVEN	115	701	185	1.0546	1.0434	0.9	1.05	-	-	H	384	NOHAVN2TSTK	20C (ESA)	FIX	Recond	-700	On
73671	NO.HAVEN	115	701	185	1.0547	1.0434	0.9	1.05	-	-	H	384	NOHAVN2TSTK	4C (ESA)	FIX	Recond	0	On
73199	SO.NAUG	115	701	171	0.8946	1.0059	0.9	1.05	-	-	L	252	1272-1721DCT	17C (ESA)	FIX	Recond	700	Off
73199	SO.NAUG	115	701	171	0.895	1.0068	0.9	1.05	-	-	L	252	1272-1721DCT	9C (ESA)	FIX	Recond	0	Off
73199	SO.NAUG	115	701	171	0.8954	1.0074	0.9	1.05	-	-	L	252	1272-1721DCT	25C (ESA)	FIX	Recond	-700	Off
73199	SO.NAUG	115	701	171	0.8963	1.0064	0.9	1.05	-	-	L	248	1272-1721DCT	13C (ESA)	FIX	Recond	700	On
73199	SO.NAUG	115	701	171	0.8967	1.0074	0.9	1.05	-	-	L	248	1272-1721DCT	5C (ESA)	FIX	Recond	0	On
73199	SO.NAUG	115	701	171	0.8973	1.0082	0.9	1.05	-	-	L	248	1272-1721DCT	21C (ESA)	FIX	Recond	-700	On