

APPENDIX A

**SCHEDULE OF SIGNIFICANT INTERCHANGES
ASSUMED FOR TRANSFER LIMITS STUDIES**

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SUMMARY OF NET INTERCHANGE SCHEDULES

TO FROM	NYISO	PJM	IESO	ISONE	NB/NS	Trans Énergie	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		-1379	0	81	0	0	115	-1183
PJM	1379		0	0	0	0	-2039	-660
IESO	0	0		0	0	0	0	0
ISONE	-81	0	0		0	-237	0	-318
NB/NS	0	0	0	0		250	0	250
Trans Énergie	0	0	0	237	-250		45	32

APPENDIX A
SUMMARY OF WINTER 2007-08 BASE TRANSFERS

NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	250
New Brunswick to New England	0
Total Export (+) / Import (-)	250

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond and Highgate HVdc	-237
New England to New York	-81
Total Export (+) / Import (-)	-318

NEW YORK ISO	
New York to TransÉnergie	0
New York to New England	81
New York to PJM: NYPA to PA-RECS	67
New York to PJM: Sithe Allegheny	-36
New York to PJM: Non-Firm Energy	-750
New York to PJM; Neptune Schedule	-660
New York to ECAR: NYPA to AMP- Ohio	115
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-1183

IESO (Ontario)	
IESO to TransÉnergie	0
IESO to New York	0
IESO to ECAR: ITC & METC	0
IESO to MAPP	0
Total Export (+) / Import (-)	0

APPENDIX A	
SUMMARY OF WINTER 2007-08 BASE TRANSFERS	
PJM	
PJM to New York: NYPA to PA-RECS	-67
PJM to New York: Sithe Allegheny	36
PJM to New York: Non Firm Energy	750
PJM to New York: Neptune Schedule	660
Miscellaneous Transfers to Other Areas	-2039
Total Export (+) / Import (-)	-660

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	-250
TransÉnergie to New England: Sandy Pond and Highgate HVdc	237
TransÉnergie to New York	0
TransÉnergie to IESO (Ontario)	0
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	32

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APPENDIX B

WINTER 2007-08 BASE CASE CONDITIONS

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Summer 2006 Conditions

GENERATION FACILITIES (LEVEL OF GENERATION IN CASE)

The status and dispatch of gross generation levels represented in this analysis is listed below.

NYISO

Huntley	382 MW	In Service
Dunkirk	388 MW	In Service
Niagara	3095 MW	In Service
AES/Somerset	511 MW	In Service
Ginna	588 MW	In Service
Sithe/Independence	794 MW	In Service
Oswego #5	0 MW	Out of Service
Oswego #6	0 MW	Out of Service
Nine Mile Pt #1	626 MW	In Service
Nine Mile Pt #2	1178 MW	In Service
J.A. Fitzpatrick	849 MW	In Service
Maple Ridge Wind Farm	99 MW	In Service
St. Lawrence/FDR (17-32)	907 MW	In Service
Athens	360 MW	In Service
Bethlehem Energy Center	480 MW	In Service
Gilboa	532 MW	In Service
Roseton 1	498 MW	In Service
Roseton 2	0 MW	Out of Service
Indian Pt #2	1034 MW	In Service
Indian Pt #3	1032 MW	In Service
Bowline Pt 1	0 MW	Out of Service
Bowline Pt 2	500 MW	In Service
Poletti	650 MW	In Service
NYPA Astoria Combined-Cycle	524 MW	In Service
Ravenswood #3	858 MW	In Service
ECP/Linden Cogen	531 MW	In Service
Arthur Kill #3	0 MW	Out of Service

ISO-NE

Millstone Point #2	940 MW	In Service
Millstone Point #3	1260 MW	In Service
Vermont Yankee	667 MW	In Service
Northfield 1,2 & 3	500 MW	In Service
Bear Swamp 1 & 2	560 MW	In Service
Norwalk Harbor 1 & 2	159/168 MW	In Service
Seabrook	1318 MW	In Service

Ontario

Darlington (4/4 Units)	3600 MW	In Service
Beck 1 & 2	232/1235 MW	In Service
Bruce A (2/4 Units)	1540 MW	In Service
Bruce B (4/4 Units)	3386 MW	In Service
Lambton (4/4 Units)	2000 MW	In Service
Pickering (A & B, 5/8 Units)	500/1682 MW	In Service
Nanticoke (5/8 Units)	2370 MW	In Service
St. Lawrence/Saunders (1-16)	781 MW	In Service

PJM

Peach Bottom #2	1108 MW	In Service
Peach Bottom #3	1119 MW	In Service
Salem #1	0 MW	Out of Service
Salem #2	1034 MW	In Service
Limerick #1	1179 MW	In Service
Limerick #2	1179 MW	In Service
Hope Creek	1100 MW	In Service
Susquehanna #1	1300 MW	In Service
Susquehanna #2	1110 MW	In Service

TransÉnergie HVdc CONVERTER SCHEDULES

Chateauguay HVdc	0 MW	In Service
Sandy Pond HVdc	0 MW	In Service
Highgate HVdc	200 MW	In Service
Madawaska HVdc	0 MW	Out of Service
Eel River HVdc	120 MW	In Service

AREA LOADS & LOSSES

NYISO	25646 MW
ISO-NE	23701 MW
IESO (Ontario)	26622 MW
PJM	47785 MW

PHASE ANGLE REGULATOR SCHEDULES

Inghams (CD-ED)	120 MW
Sandbar PAR (PV-20)	105 MW
St. Lawrence-Moses L33P	0 MW
St. Lawrence-Moses L34P	0 MW
Norwalk Harbor-Northport	Out of Service
Jamaica-Valley Stream	-107 MW
Jamaica-Lake Success	-210 MW
Hudson-Farragut (B3402)	333 MW
Hudson-Farragut (C3403)	333 MW
Linden-Goethals	333 MW
Waldwick-Hinchmans	325 MW
Waldwick-Fairlawn	345 MW
Waldwick-Hillsdale	330 MW
Ramapo PAR #1 (+ to NY)	200 MW
Ramapo PAR #2 (+ to NY)	200 MW
East Garden City #1	315 MW
East Garden City #2	315 MW

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APPENDIX C

POWER FLOW TRANSCRIPTION DIAGRAMS

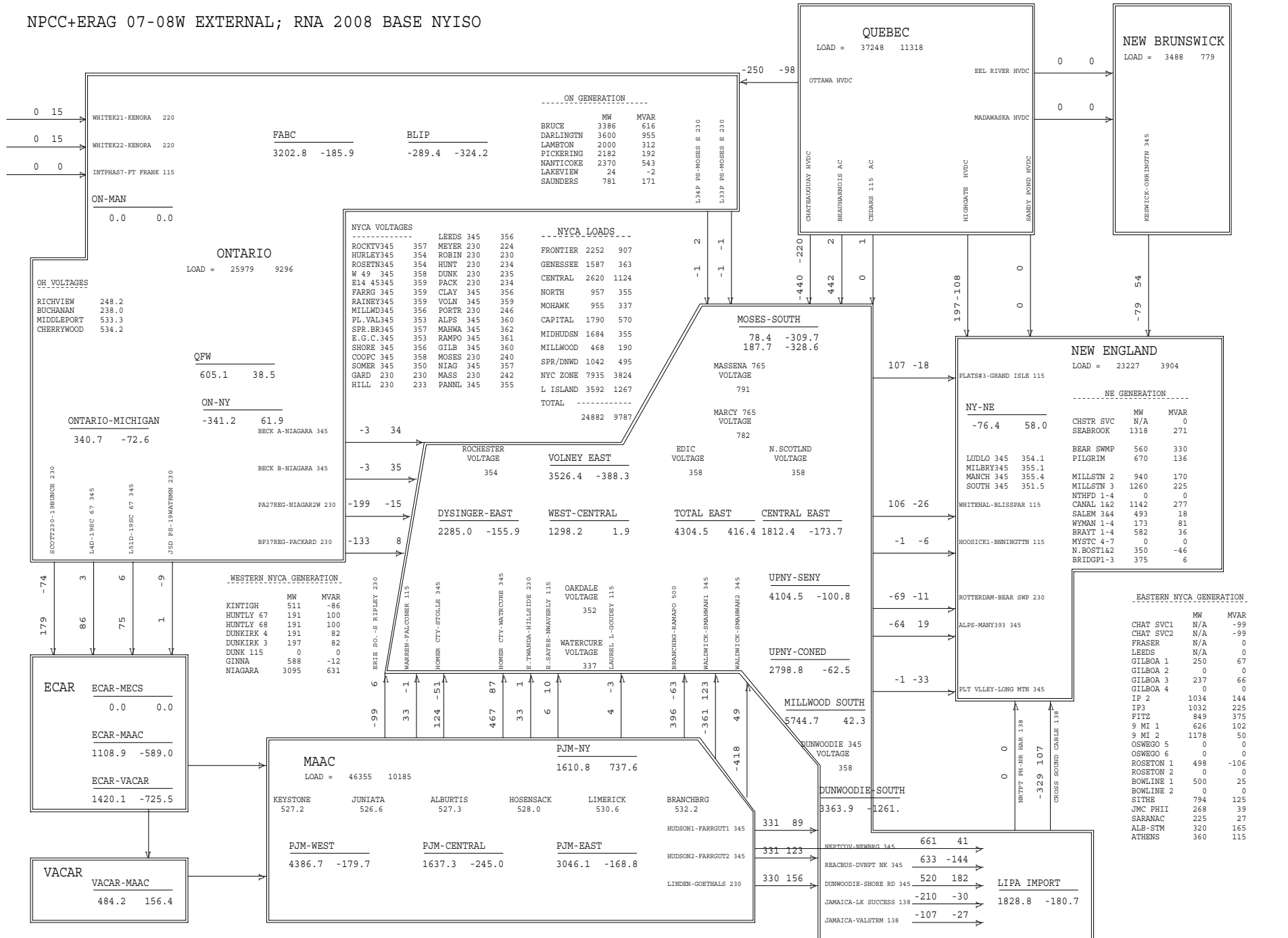
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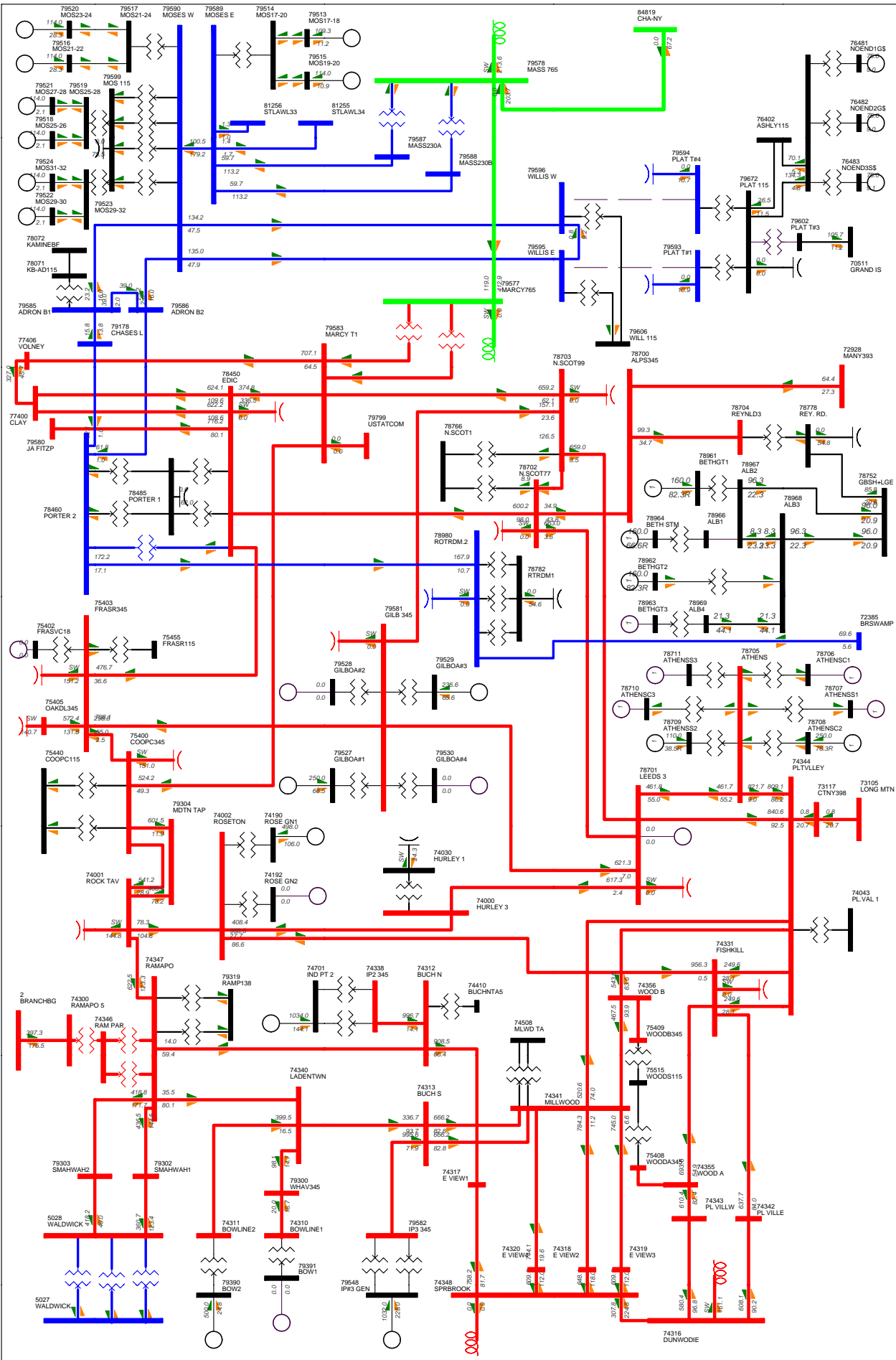
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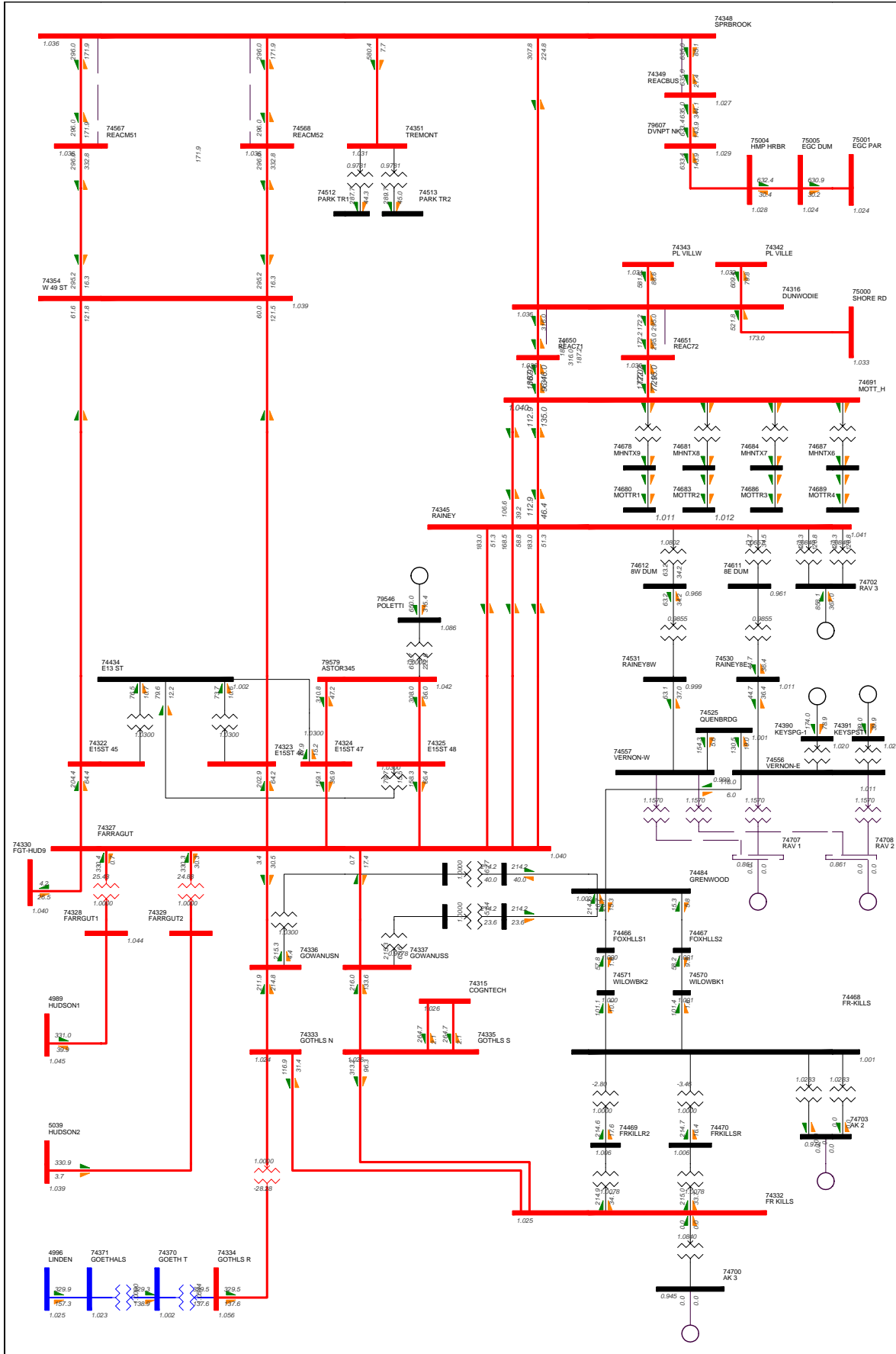
NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO





NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
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 EASTERN NYISO

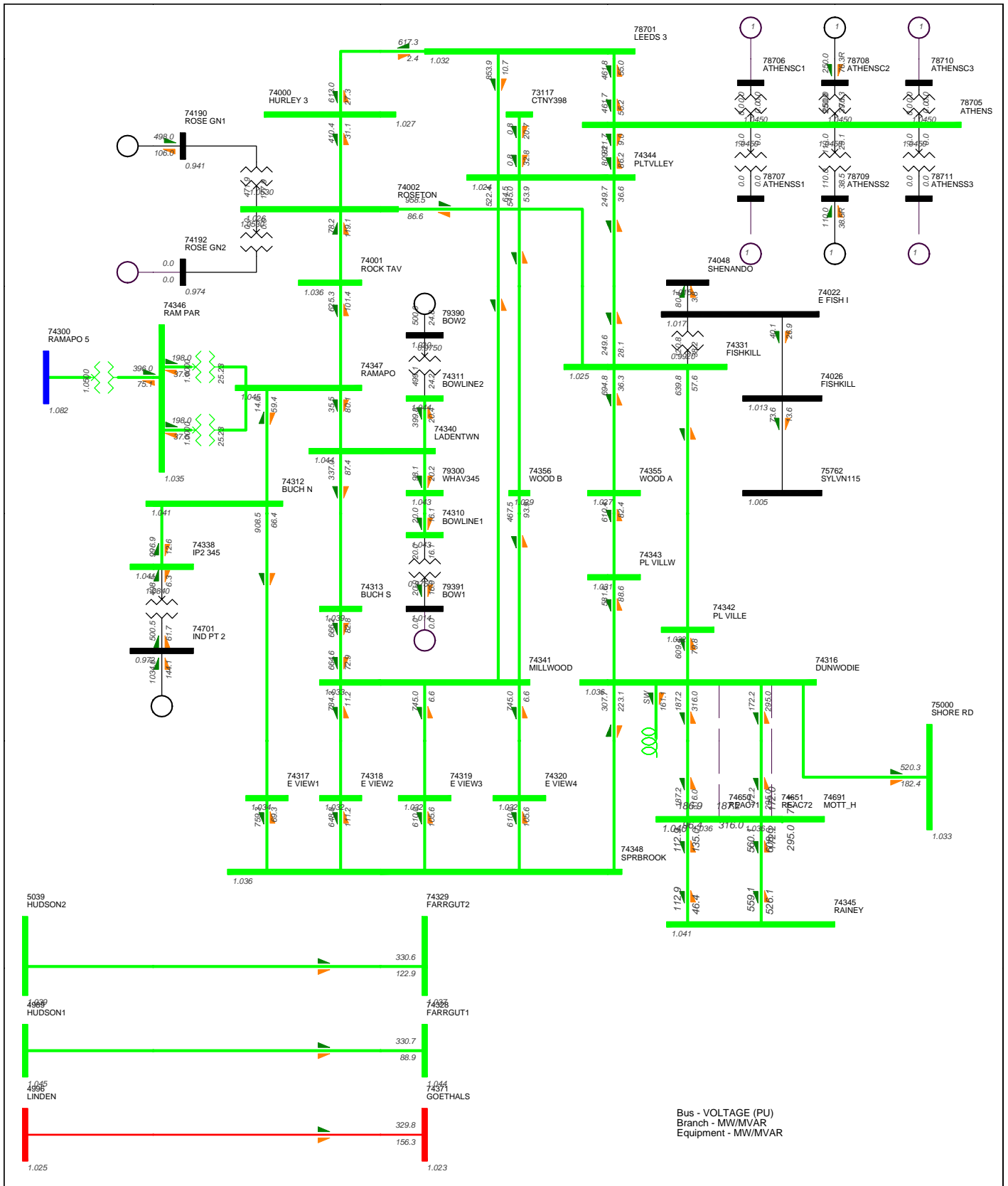
Bus - VOLTAGE (PU)/ANGLE
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100,000=200,000,300,000 <=500,000,600,000



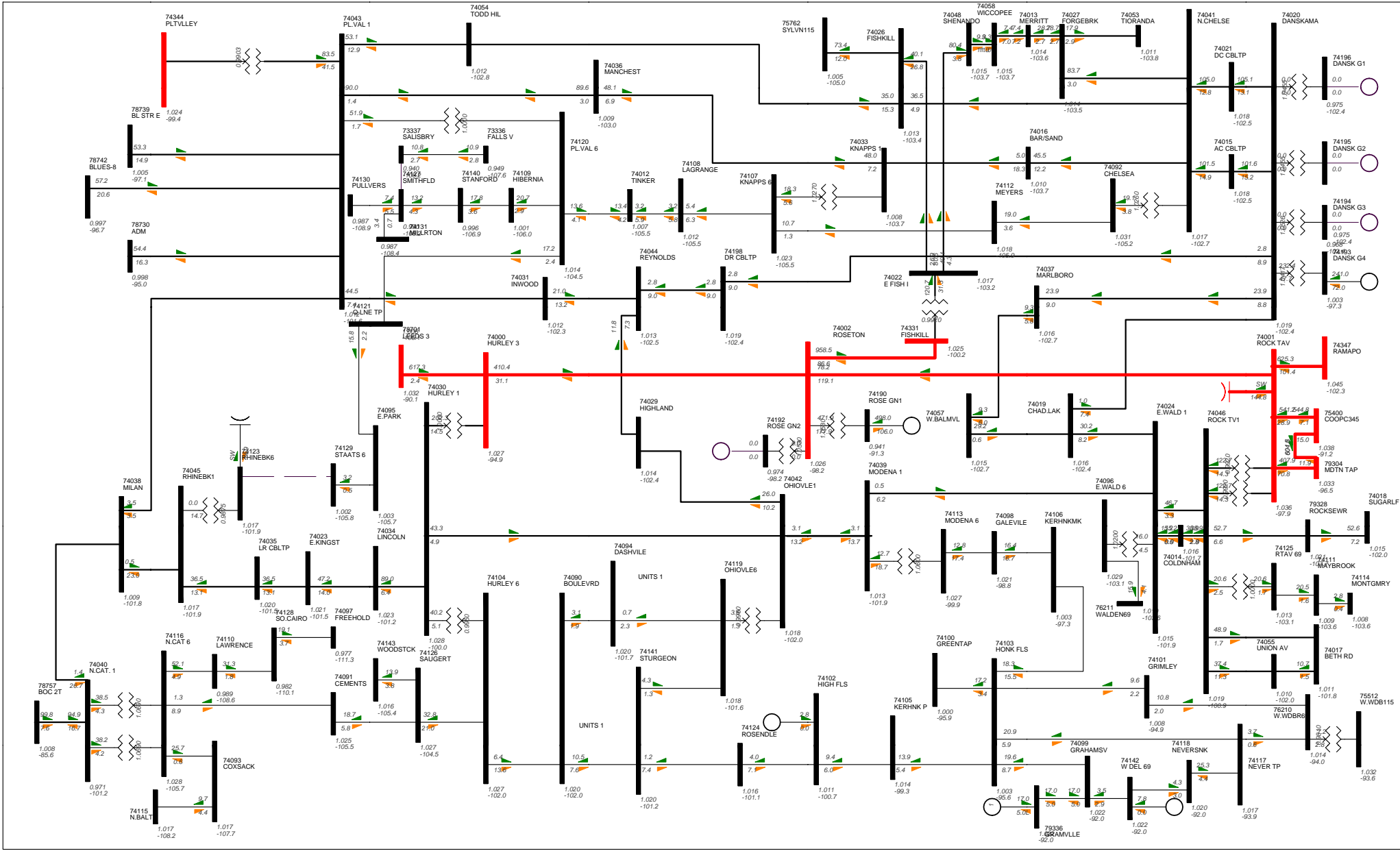
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 NPCC-HRAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 FRI, OCT 19 2007 9:45

Bus - VOLTAGE (KV)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=138.000 <=230.000 <=345.000 >345.000

Bus - VOLTAGE (KV)
 Branch - MW/MVAR
 Equipment - MW/MVAR

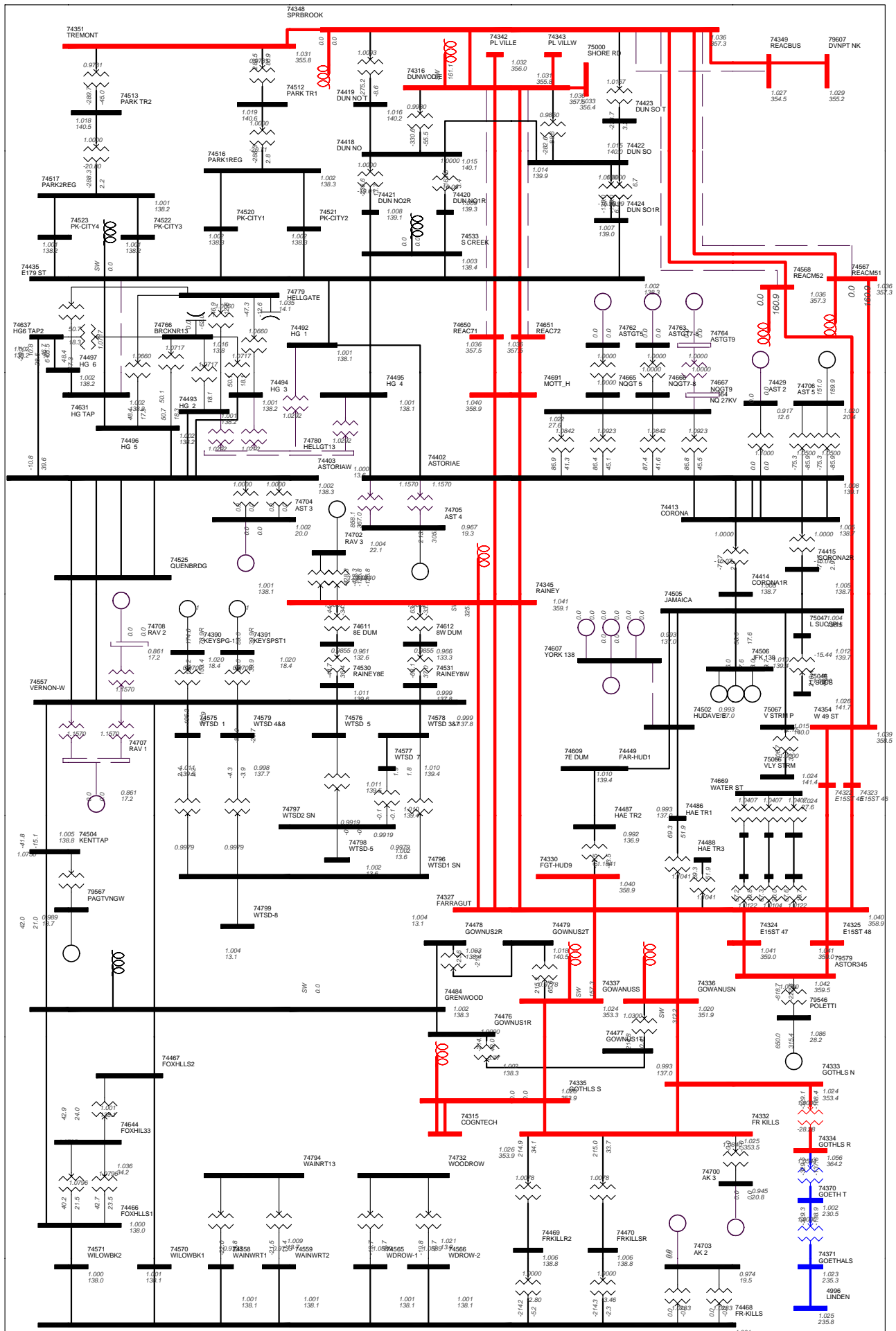


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 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
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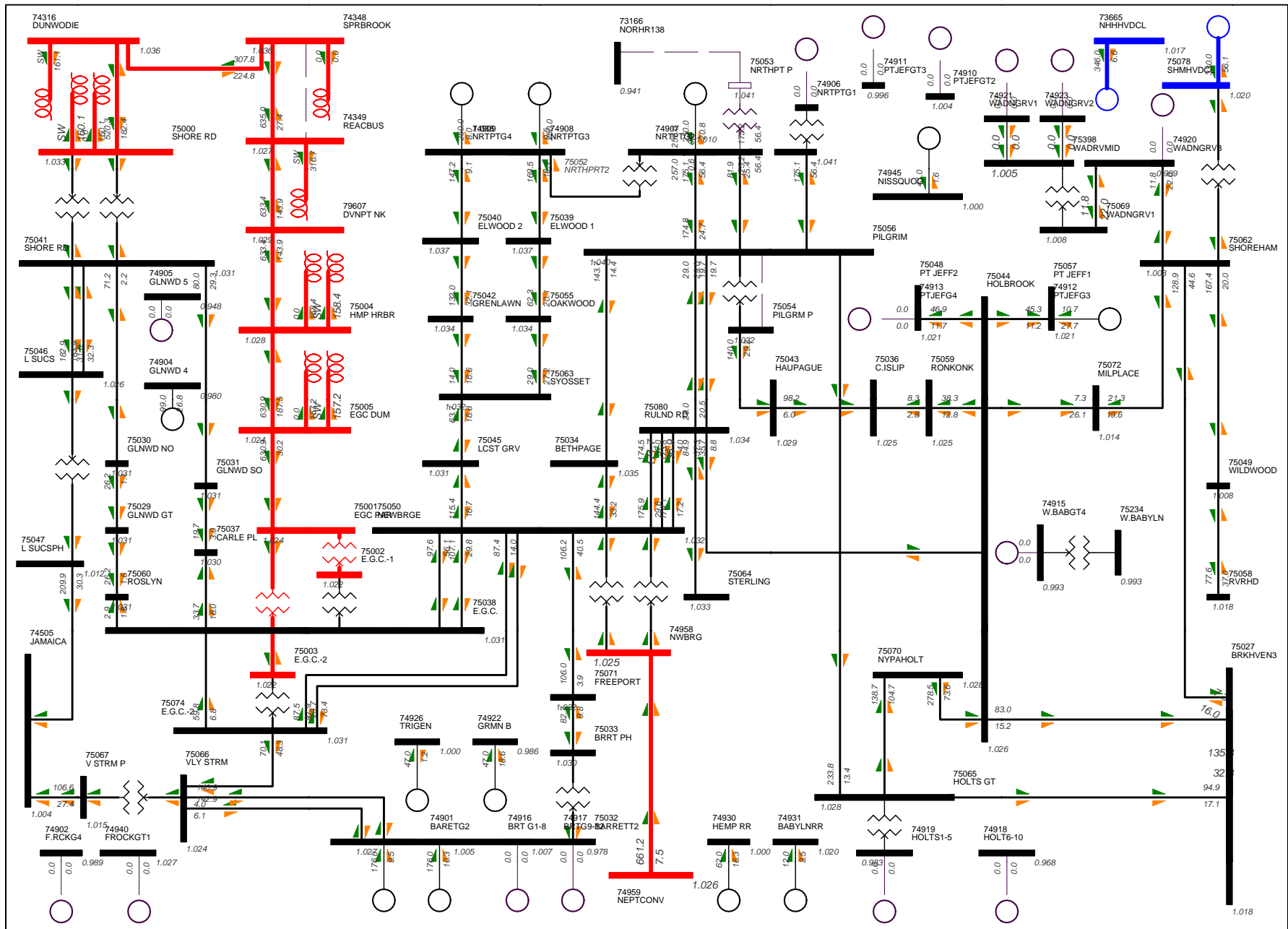
NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 MON, OCT 15 2007 16:26

Bus - VOLTAGE (PU)/ANGLE
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=500.000 >500.000



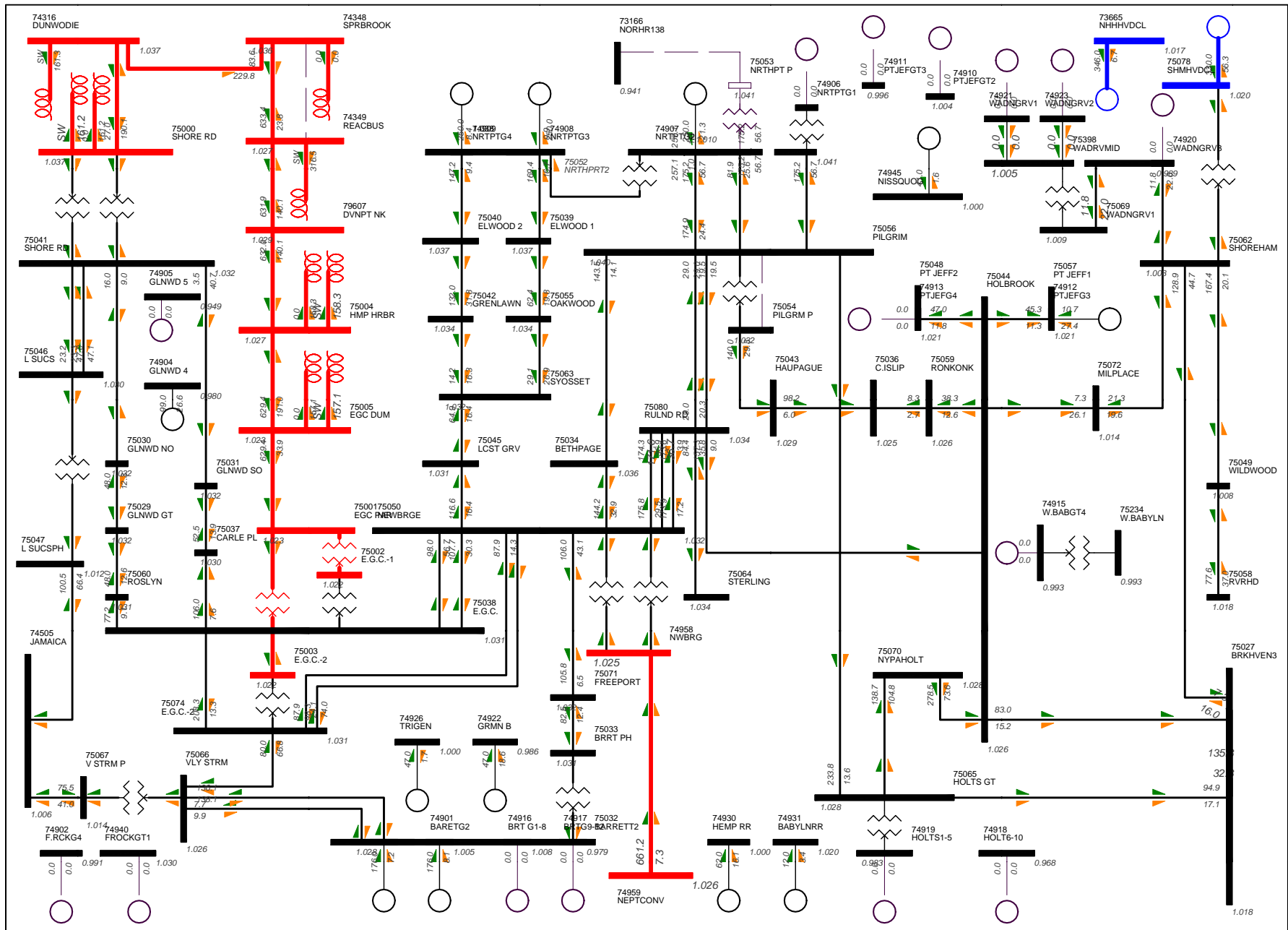
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Bus - VOLTAGE (KV/PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=34.000 <=150.000 <=300.000 <=600.000 <=1000.000 <=1000.000



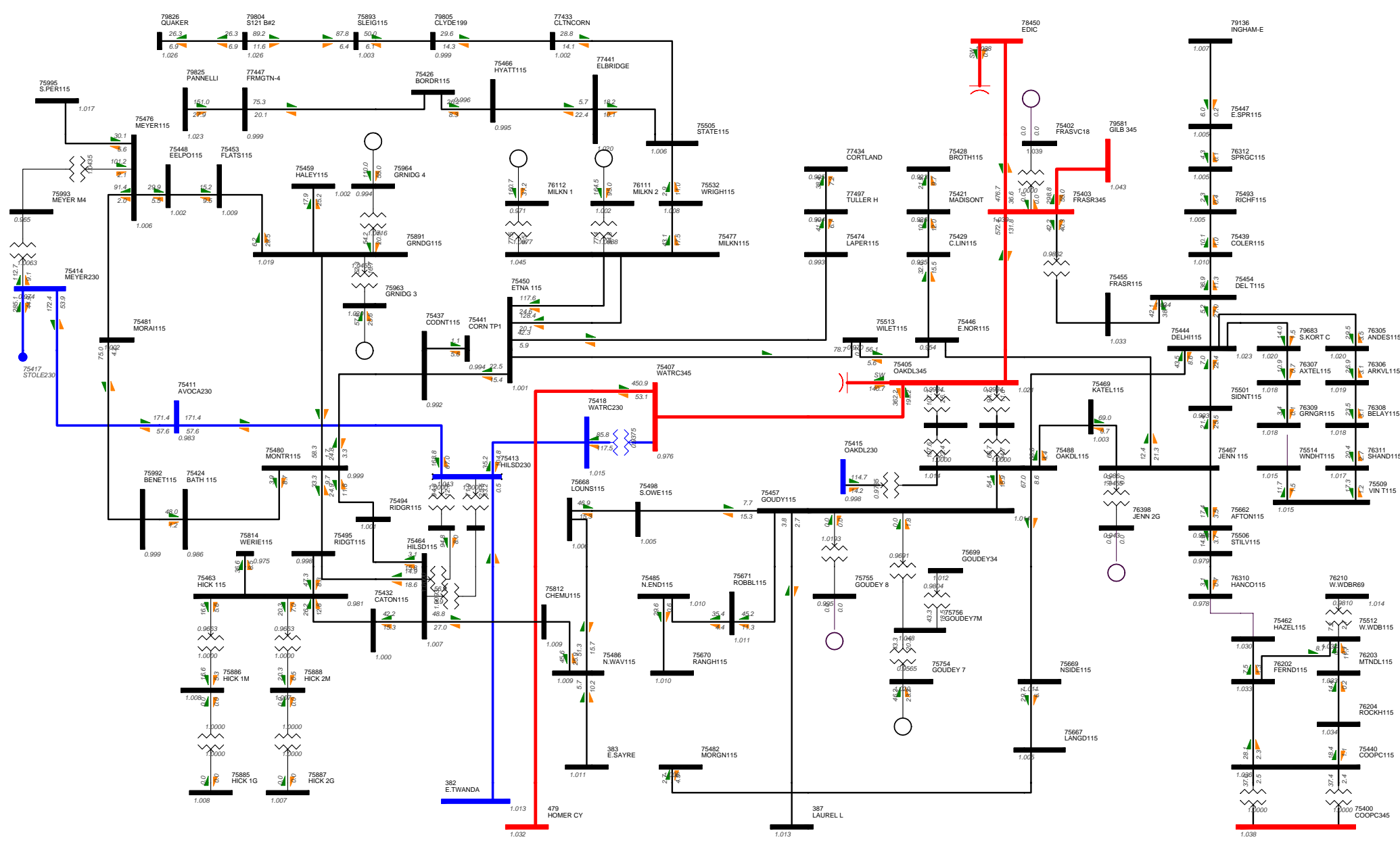
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 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=69.000 <=138.000 <=230.000 <=345.000 >345.000



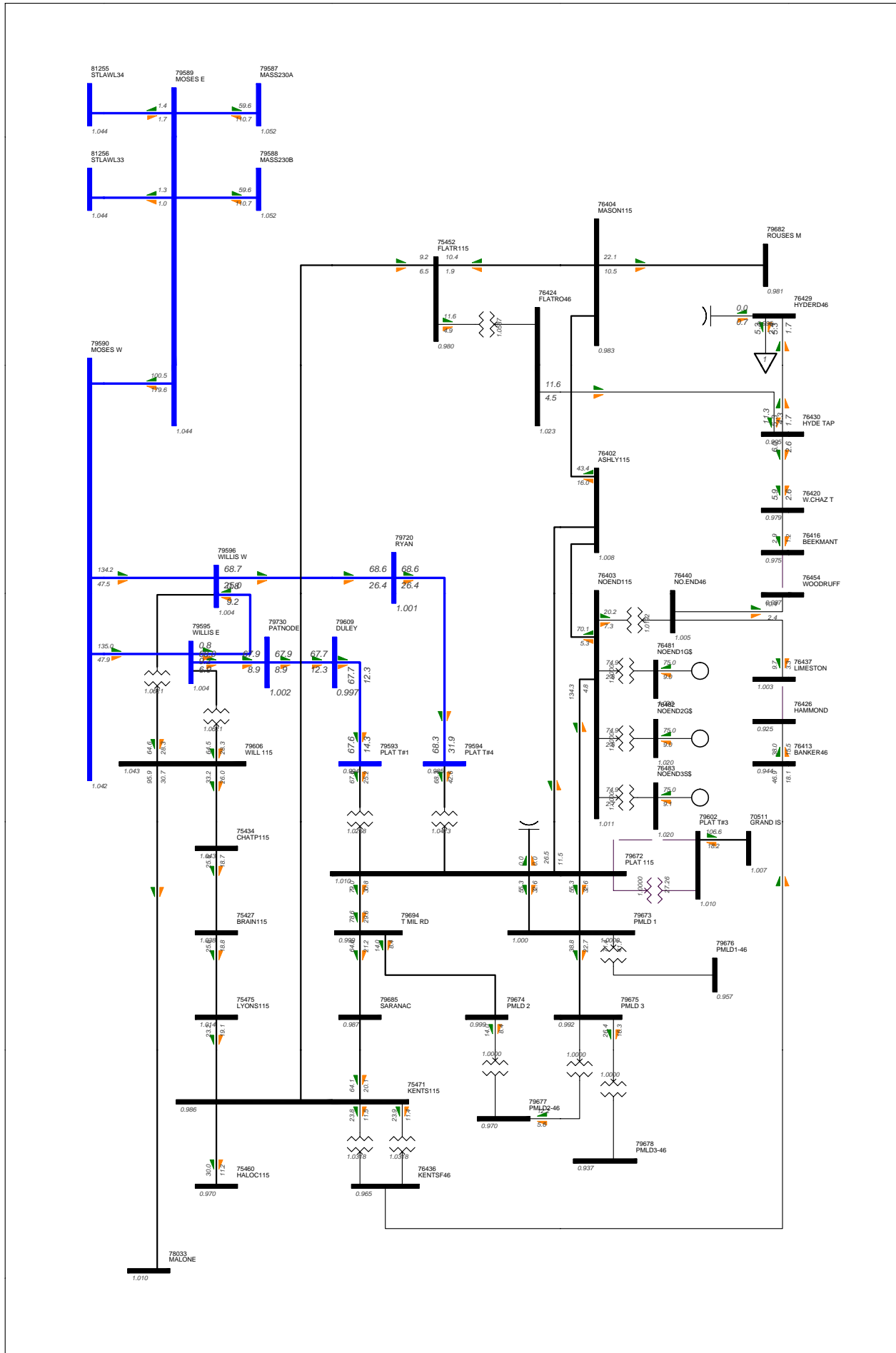
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Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR
KV: <=69.000 <=138.000 <=230.000 <=345.000 >345.000



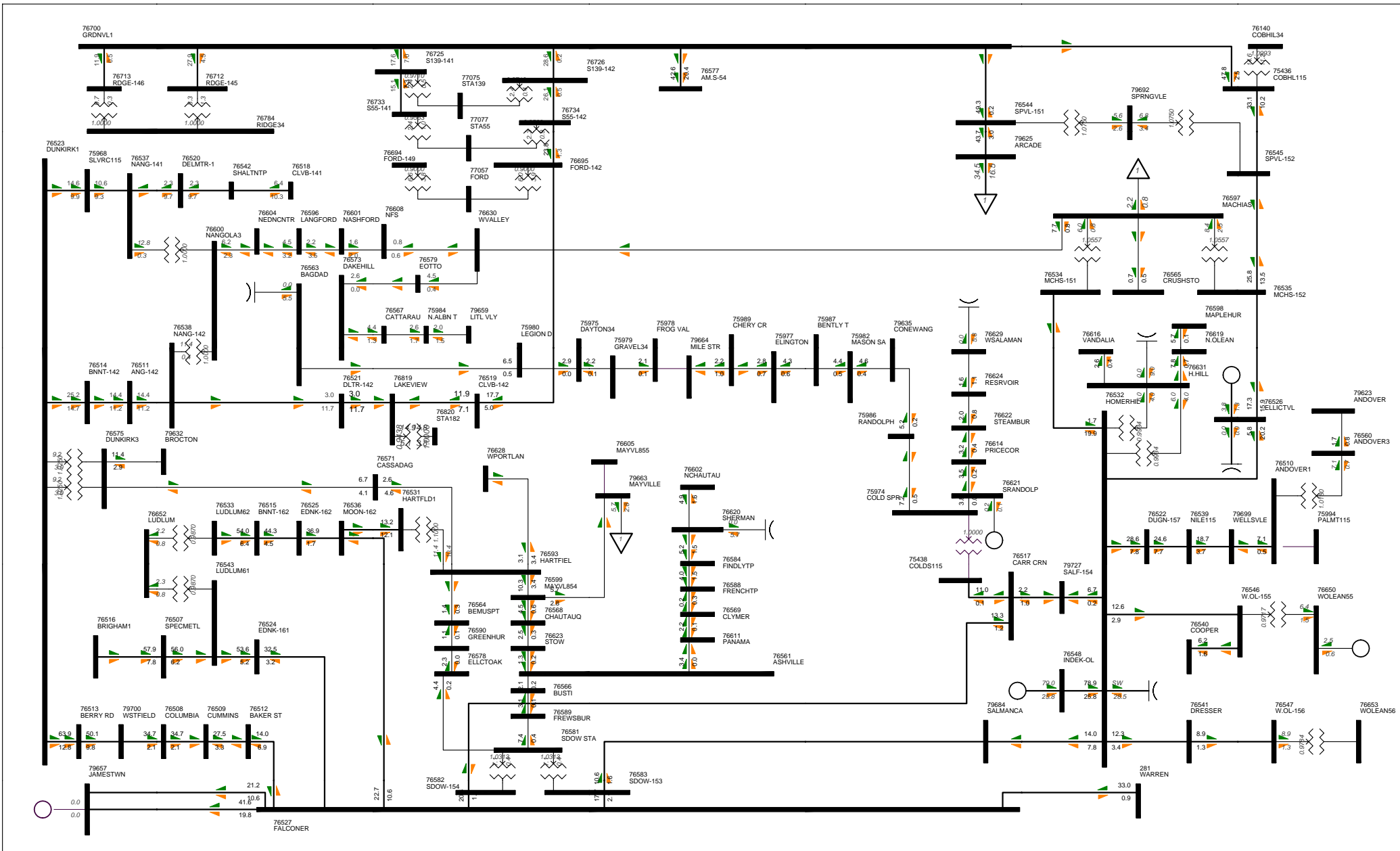
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Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=500.000 >500.000



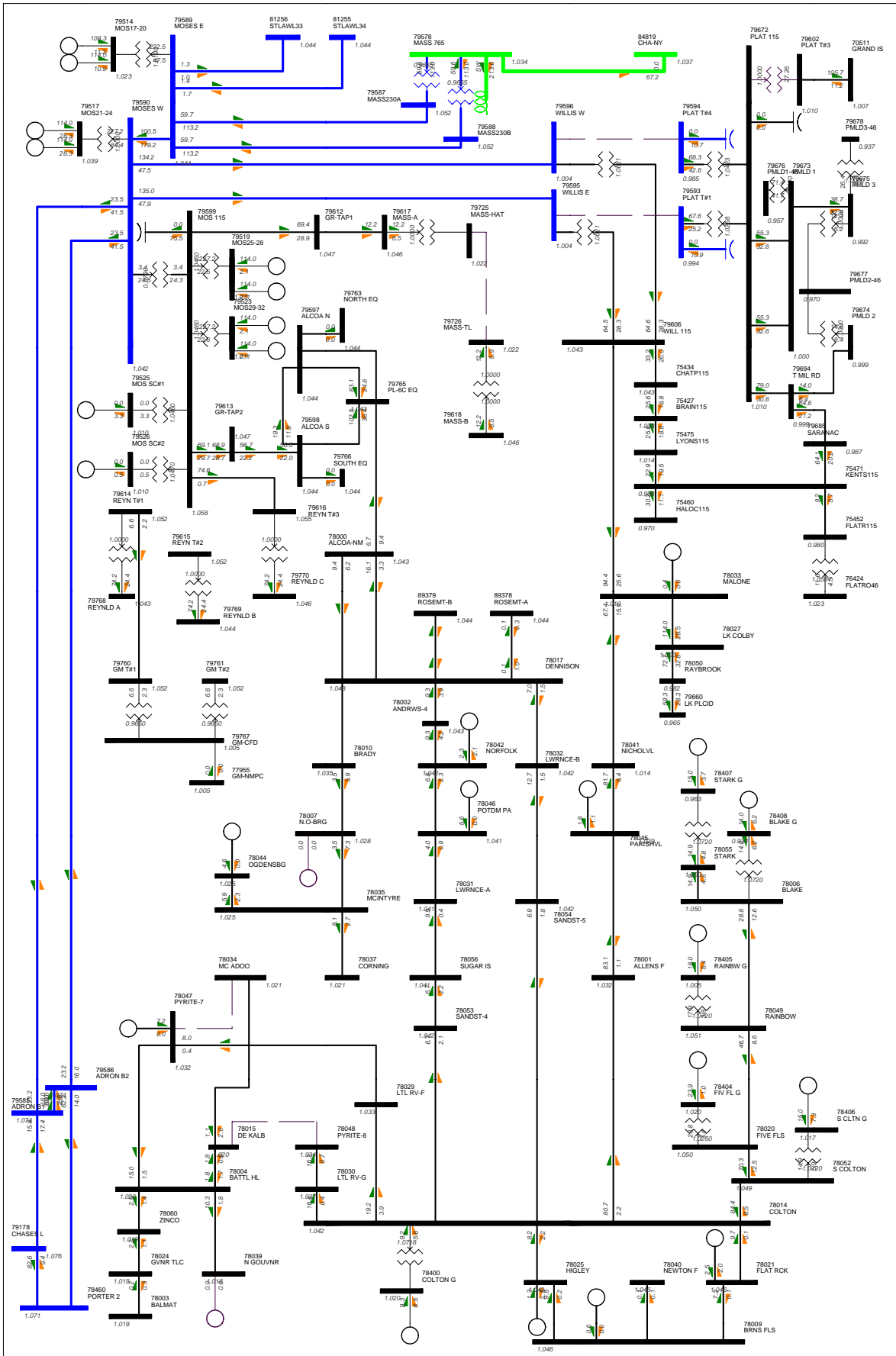
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 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 TUE, OCT 16 2007 16:50
 PLATT

Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000<=200.000<=300.000 <=400.000<=600.000 >=600.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 TUE, OCT 16 2007 14:54
 NG - SOUTHWEST

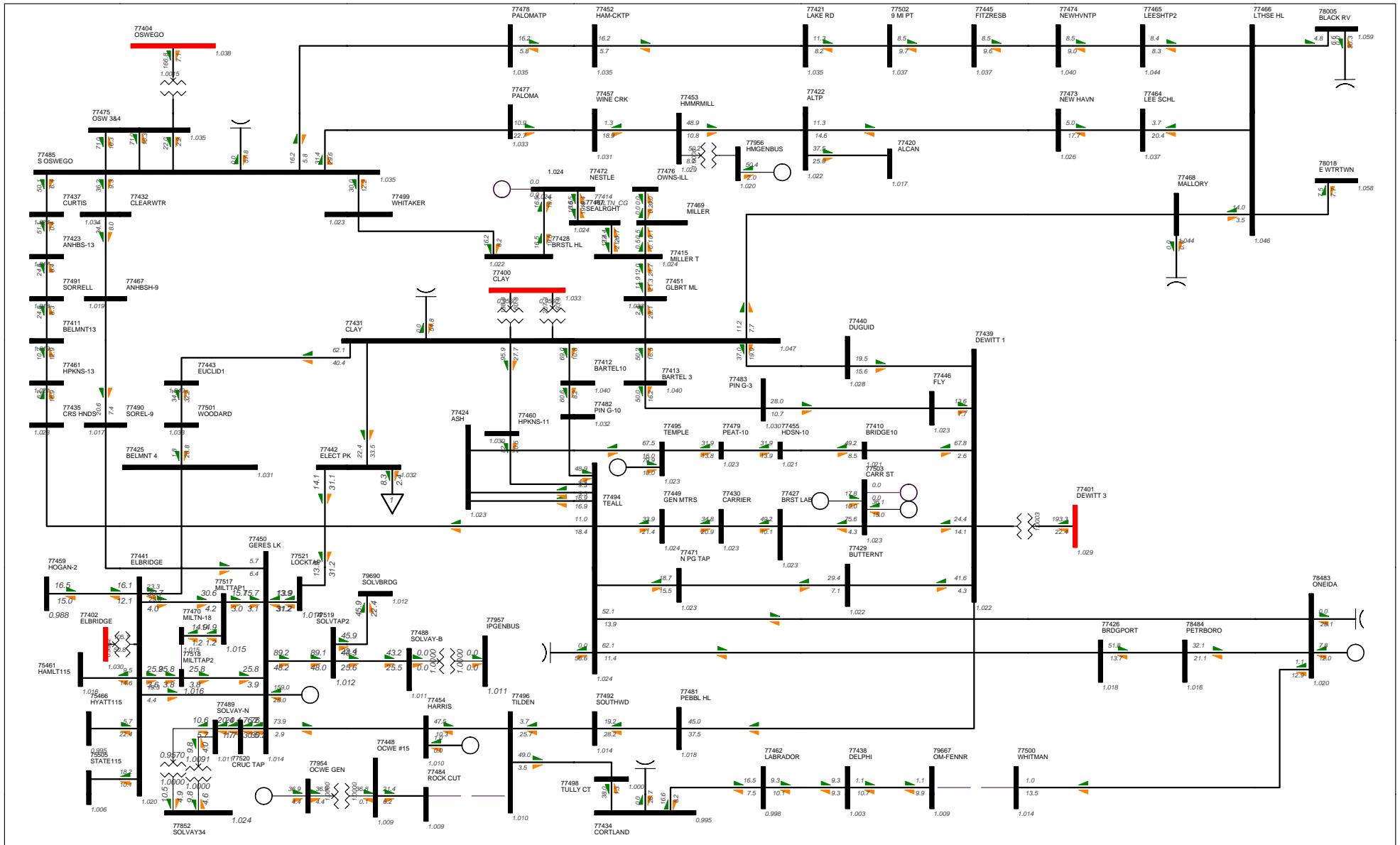
Bus - VOLTAGE (KV)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=500.000 >500.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 TUE, OCT 16 2007 12:04

NG NORTH

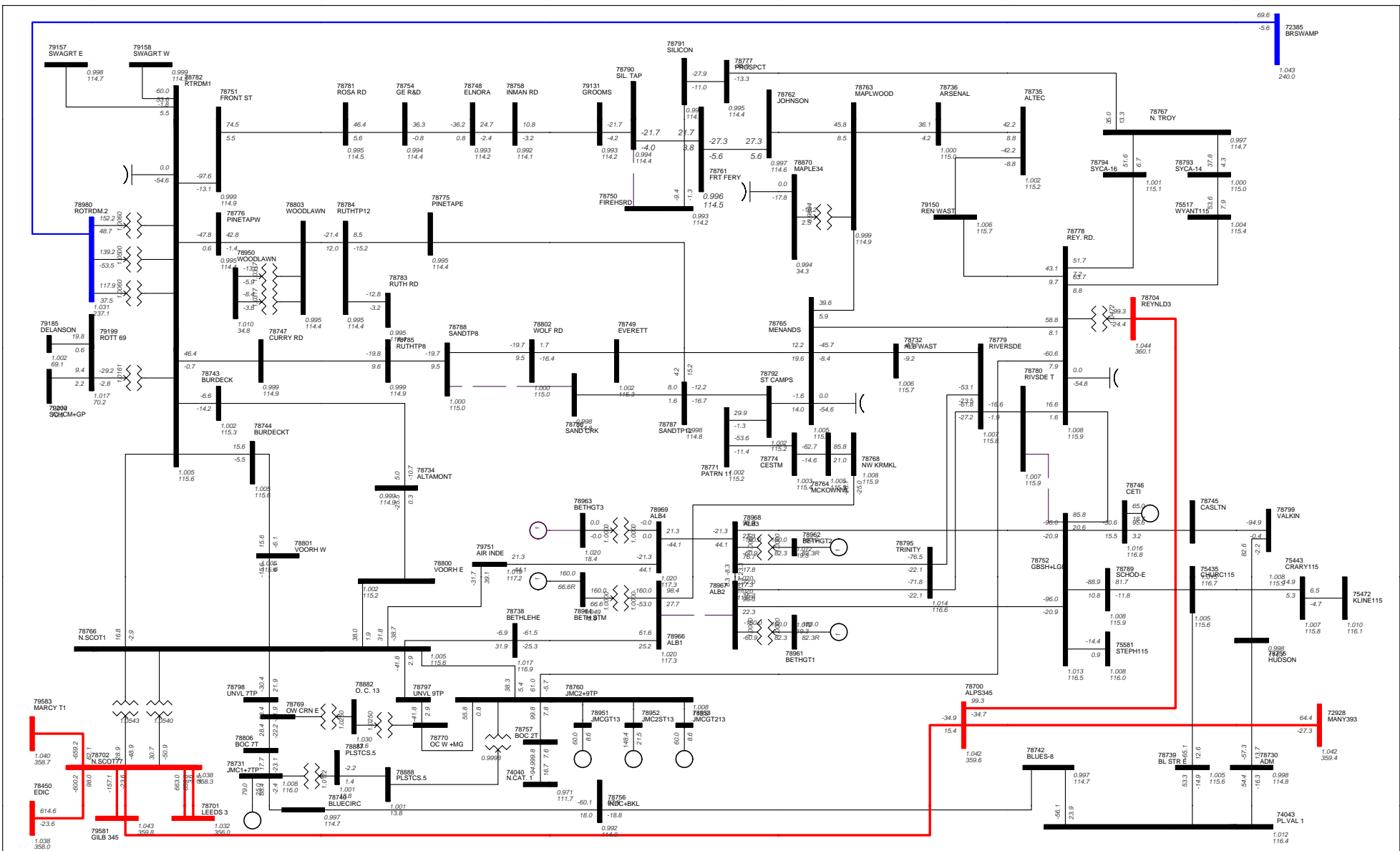
Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000<-200.000<300.000 <=500.000<600.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC-ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
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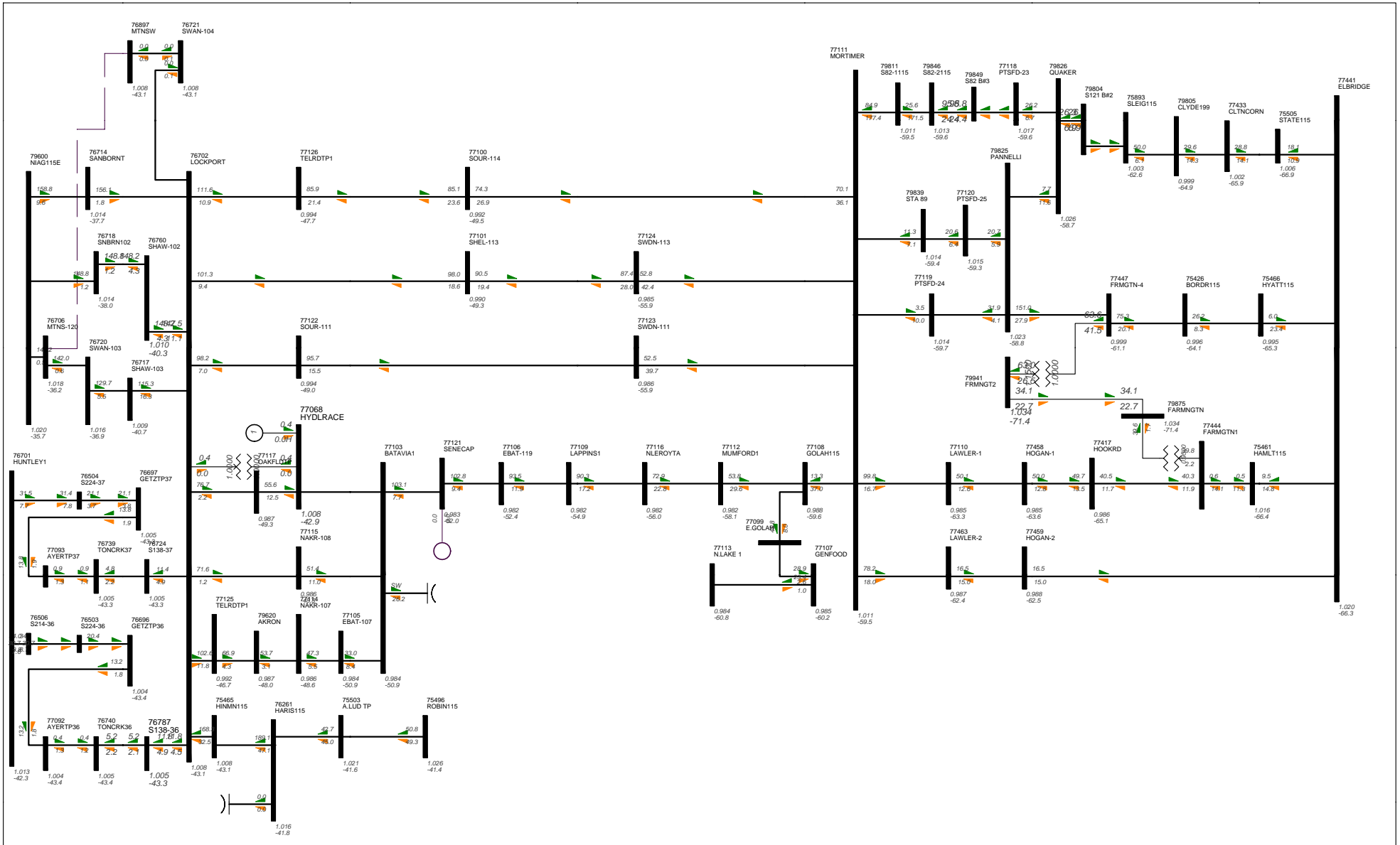
NG - SYRACUS

Bus - VOLTAGE (KV)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=500.000 >500.000



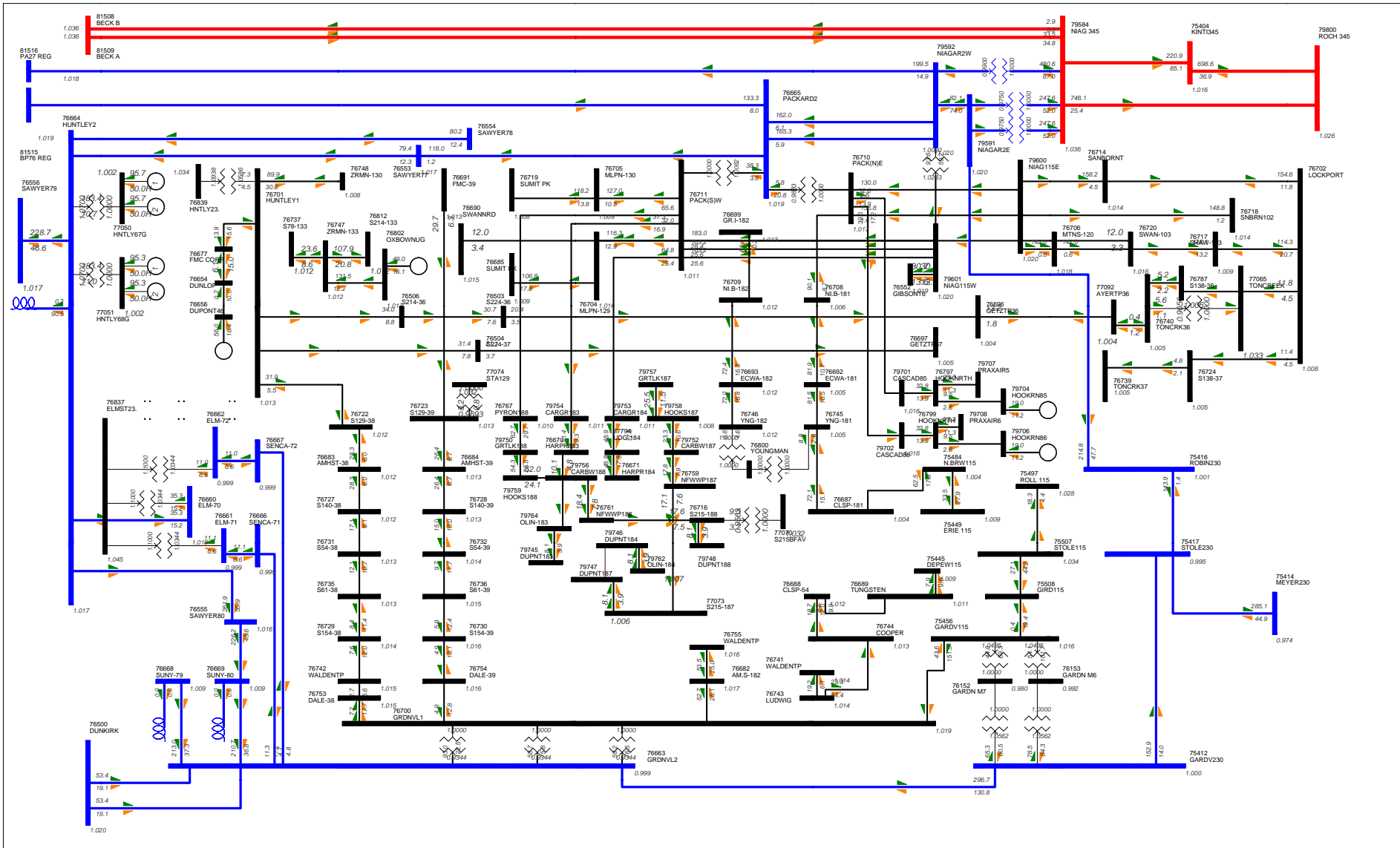
NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 MON, OCT 15 2007 16:34

Bus - VOLTAGE (KV/PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=150.000 <=300.000 <=400.000 <=600.000 <=1000.000 >1000.000



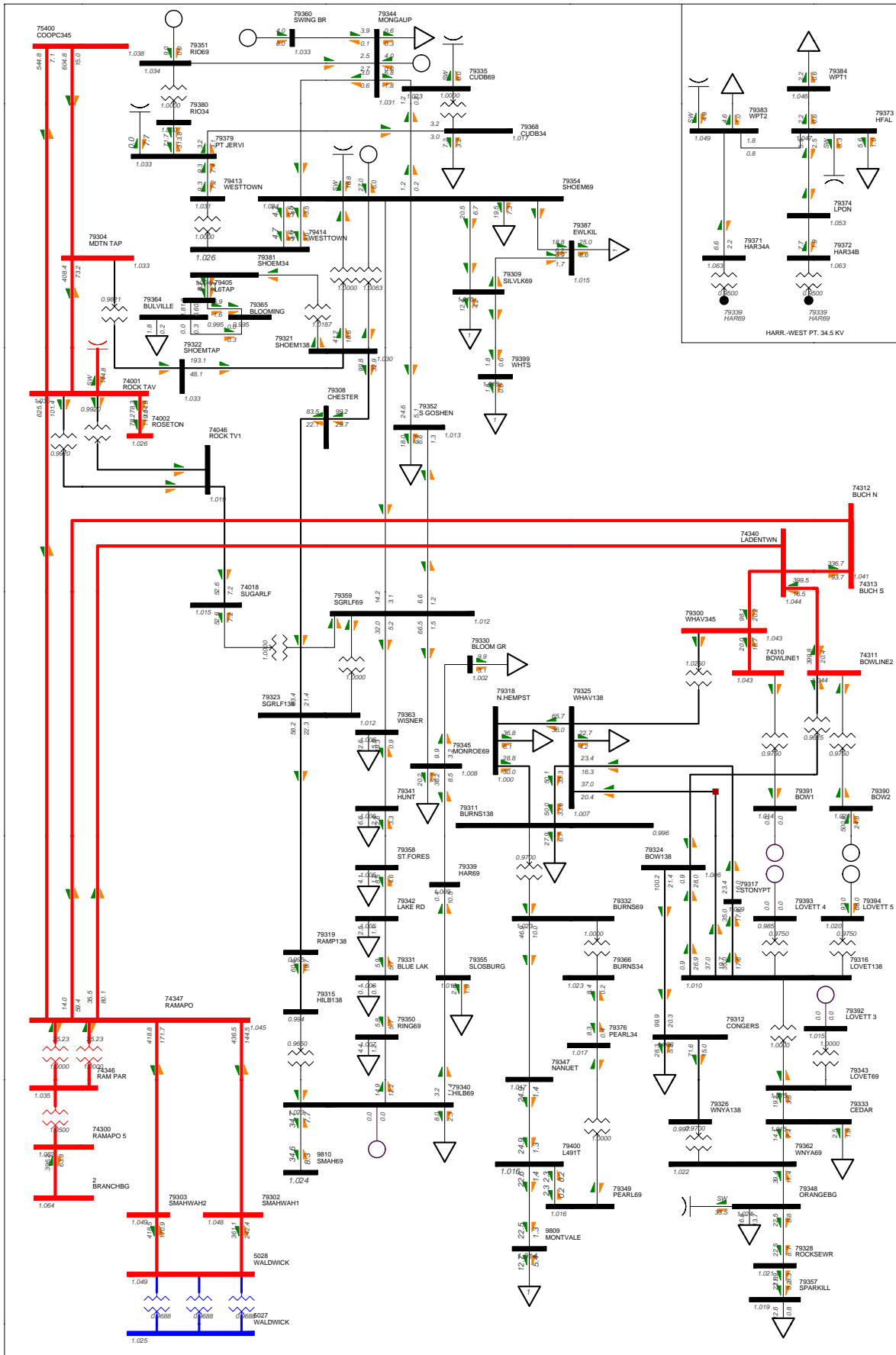
NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 MON, OCT 15 2007 16:42

Bus - VOLTAGE (PU)/ANGLE
 Branch - MWM/MVAR
 Equipment - MWM/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=500.000 >500.000



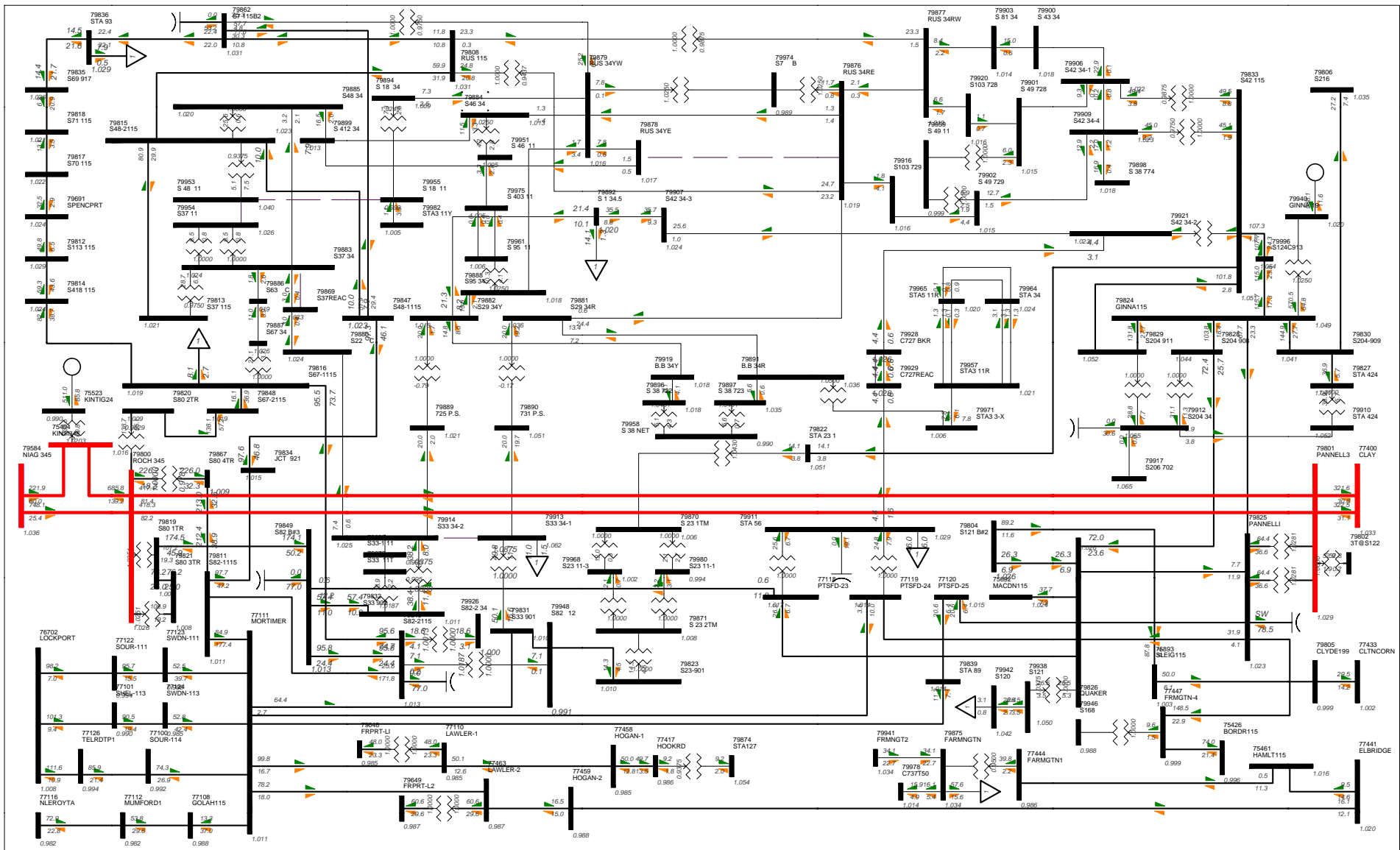
NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC-ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 MON, OCT 15 2007 16:28
 2) Buff

Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=400.000 <=600.000 >600.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 WED, OCT 17 2007 14:23

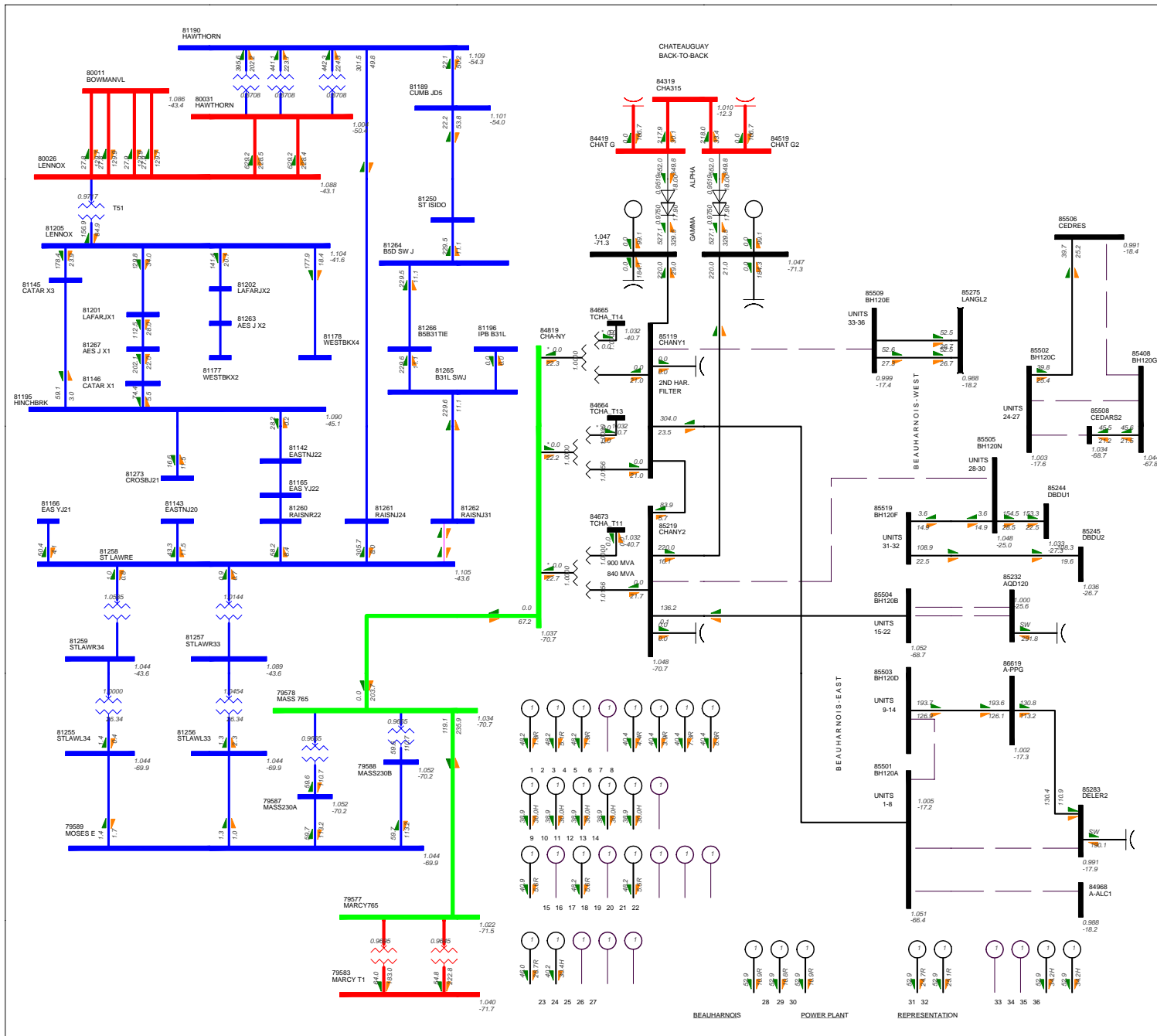
Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000<-200.000<300.000 <=500.000<600.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 TUE, OCT 16 2007 18:01

Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=400.000 <=500.000

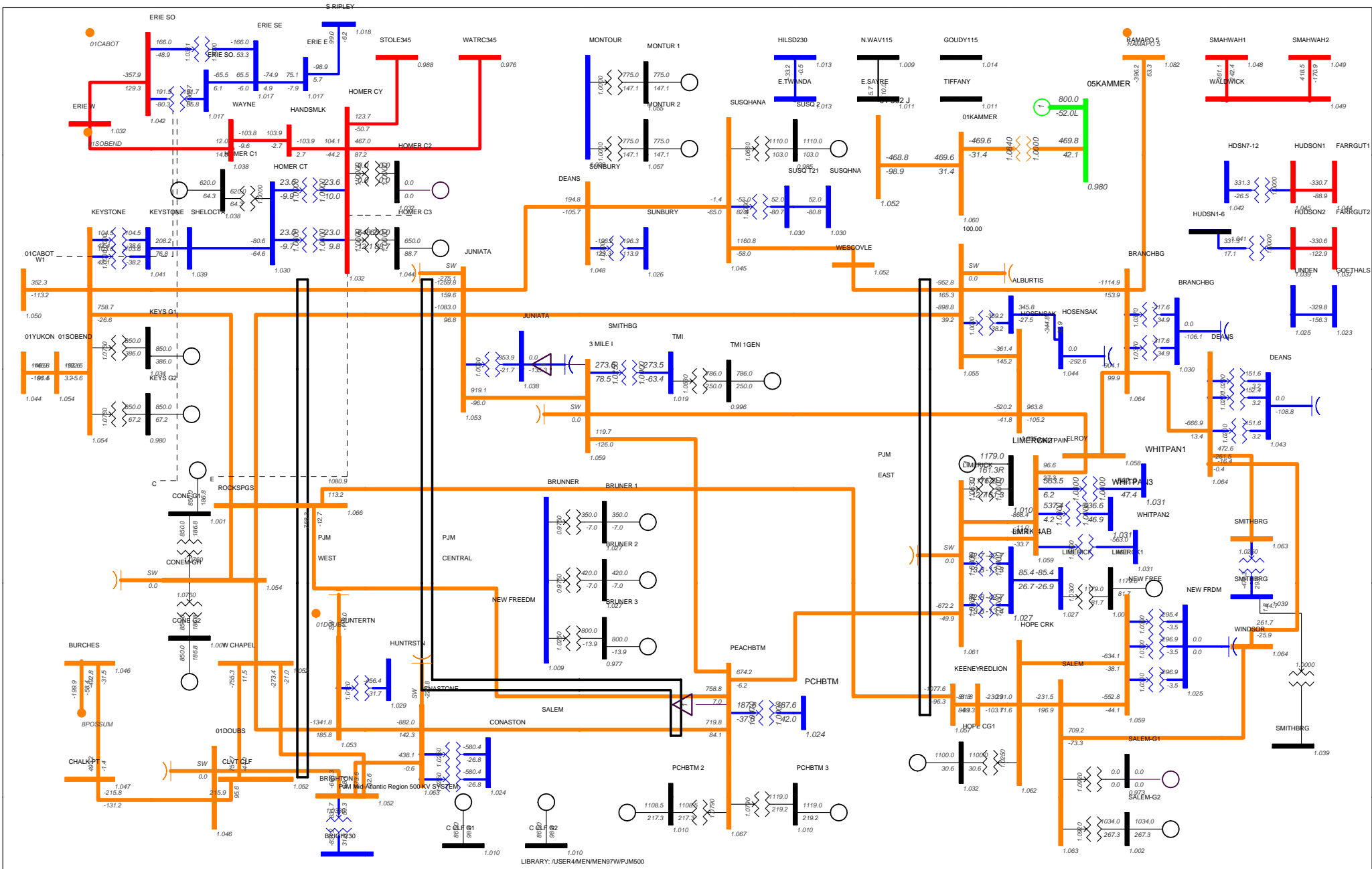
RG&E



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC-ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 WED, OCT 17 2007 9:51

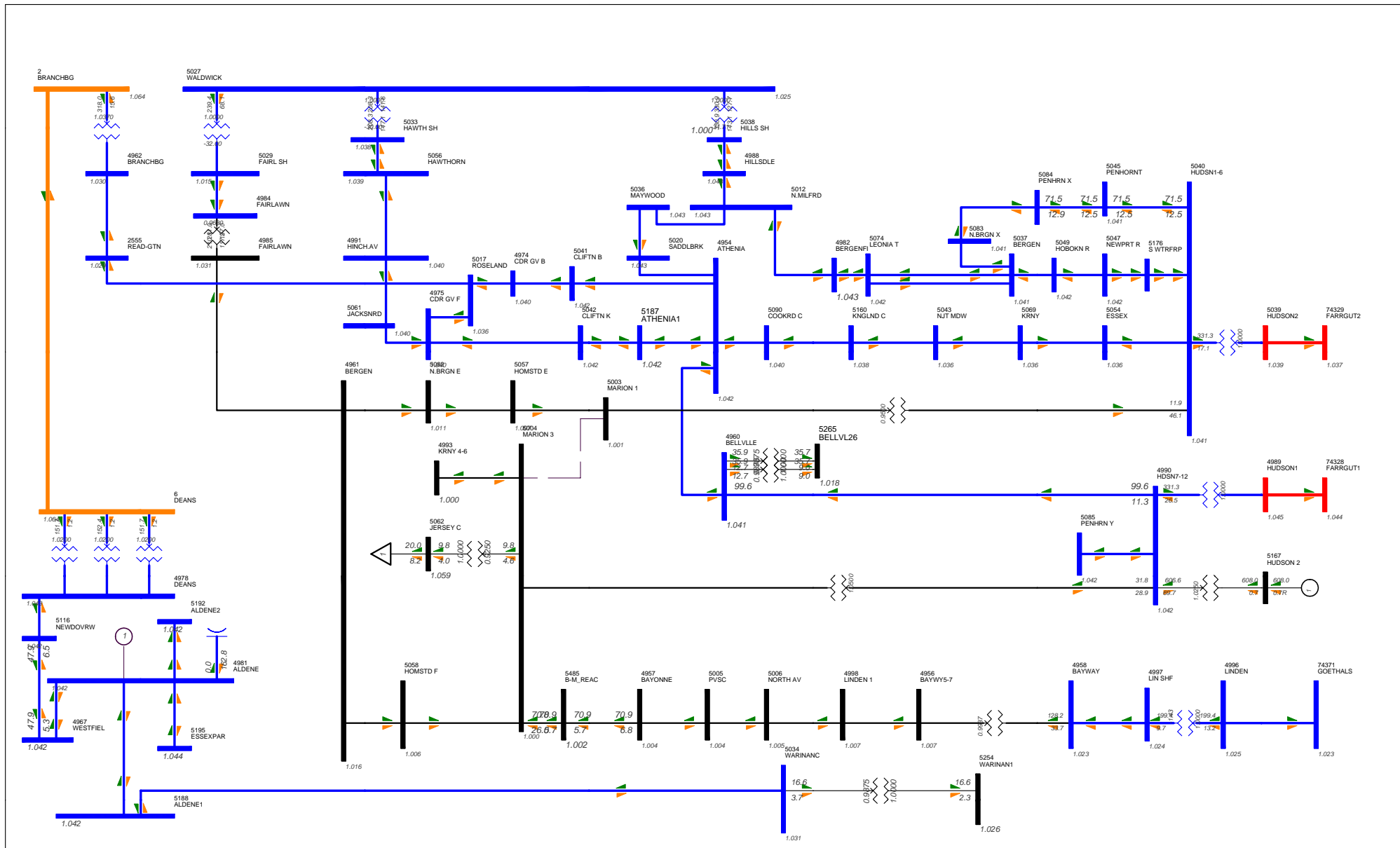
5) Chat

Bus - VOLTAGE (PU)/ANGLE
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=34.000 <=150.000 <=300.000 <=600.000 <=1000.000 >1000.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 THU, OCT 18 2007 16:12

Bus - VOLTAGE (KV)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=400.000 <=500.000 >600.000



NYISO WINTER 2007-08 PRELIMINARY TR2 CASE
 NPCC+ERAG 07-08W EXTERNAL; RNA 2008 BASE NYISO
 TUE, OCT 16 2007 17:21

Bus - VOLTAGE (V)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <=100.000 <=200.000 <=300.000 <=400.000 <=500.000 >600.000

APPENDIX D

**RATINGS OF MAJOR TRANSMISSION FACILITIES
IN NEW YORK**

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WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
ADIRNDCK-EDIC_PTR_230_12-AP	12	230	478	478	634	25082
ALCOA___-DENNISON_115_12-AD	12	115	213	234	251	25227
ALCOA___-NOGDNBRG_115_13-ANO	9	115	159	159	159	25230
ALCOA___-NOGDNBRG_115_13-ANO	9	115	159	159	159	25230
ALCOA_N.-ALCOA___115_R8105		115	263	294	348	25202
AMERISTD-GARDNVLB_115_182-3	182	115	168	212	239	26015
ANDOVER_-PALMITER_115_157(932)	932	115	95	100	111	25094
ASH_____-TEMPLE___115_9	9	115	207	233	233	26062
ASH_____-TEMPLE___115_9	9	115	207	233	233	26062
ASHLEYRD-MASONCR___115_909	909	115	189	207	221	25847
ASHLEYRD-PLATSBRG_115_700	700	115	179	179	239	25845
ASTORIAE-CORONA___138_34181	34181	138	177	254	394	25277
ASTORIAE-CORONA___138_34182	34182	138	177	254	394	25278
ASTORIAE-CORONA___138_34183	34183	138	177	254	394	25279
ASTORIAE-CORONA___138_34184	34184	138	177	254	394	25280
ASTORIAE-CORONA___138_34185	34185	138	177	254	394	25281
ASTORIAE-CORONA___138_34186	34186	138	177	254	394	25282
ASTORIAW-QUENBRDG_138_28241	28241	138	177	254	394	25315
ASTORIAW-QUENBRDG_138_28242	28242	138	177	254	394	25316
ASTORIAW-QUENBRDG_138_28243	28243	138	355	508	645	25317
ASTORIAW-QUENBRDG_138_28244	28244	138	355	508	645	25318
ATHENS_-PLSNTVLY_345_91	91	345	1624	1783	1946	25054
BARRETT_-FREEPORT_138_459	459	138	208	285	297	26425
BATH_____-MONTRFL___115_965	965	115	146	149	149	26163
BATNKILL-MULTP-10_115_10	986	115	68	85	112	26121
BATTHILL-PYRITES___115_7-BHP	7	115	93	101	107	26065
BEAR SWP-ROTTRDAM_230_E205W		230	511	545	574	25030
BECK_____-NIAGARA_230_PA27		230	480	540	685	25025
BECK_____-NIAGARA_345_PA301		345	1180	1469	1860	25040
BECK_____-NIAGARA_345_PA302		345	1180	1469	1860	25041
BECK_____-PACKARD_230_BP76		230	559	586	700	25024
BENETTNM-DUNKIRK___115_142-3	142	115	107	117	123	26019
BENNETT_-BATH____115_953	953	115	146	160	178	26164
BERKSHIR-ALPS___345_393	393	345	1601	1757	1912	25034
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162
BLACKRVR-CLIMAX___115_1-BC	2	115	128	135	152	26067
BLACKRVR-FORTDRUM_115_2-BF	2	115	141	144	159	26068
BLACKRVR-LIGHTHSE_115_6-BLH	6	115	141	144	159	25506
BLUE_CIR-PLSTVYCH_115_8-BP	8	115	141	144	159	25498
BNNINGTN-HOOSICK___115_K6	6	115	229	265	281	25029
BOONVLE-EDIC/PTR_115_1-BP	1	115	141	144	159	26074
BOONVLE-EDIC/PTR_115_2-BP	2	115	141	144	159	26073
BOONVLE-ROME_____115_3-BR	5	115	128	135	152	26071

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
BOONVLE-ROME____115_3-BR	5	115	128	135	152	26071
BOONVLE-ROME____115_3-BR	5	115	128	135	152	26071
BOONVLE-ROME____115_4-BR	5	115	128	135	152	26072
BOONVLE-ROME____115_4-BR	5	115	128	135	152	26072
BOONVLE-ROME____115_4-BR	5	115	128	135	152	26072
BOONVLE-ROME____115_4-BR	5	115	128	135	152	26072
BOULEVRD-OHIOVLE_69__OB		69	49	52	58	26212
BOULEVRD-OHIOVLE_69__OB		69	49	52	58	26212
BOWLINE__345_138_BK455		345	506	587	671	25664
BOWLINE_-WHAVSTRW_345_67-1	67	345	777	837	837	25567
BOWLINE2-CONGERS__138_561	561	138	230	267	268	26723
BRANCHBG-RAMAPO__500_5018	5018	500	1158	1416	1924	25019
BRISTLHL-FULTON__115_7-BF	7	115	128	135	152	26081
BRISTLHL-S.OSWEGO_115_7-SB	7	115	128	135	152	25512
BRISTLHL-S.OSWEGO_115_7-SB	7	115	128	135	152	25512
BRNSVLE-KENTS_FL_115_1_911	911	115	143	157	167	26205
BRNSVLE-KENTS_FL_115_1_911	911	115	143	157	167	26205
BROOK_E_-SPIERFLS_115_1	1	115	141	144	165	25874
BROOK_W_-SPIERFLS_115_2	2	115	141	144	165	25873
BROOKHVN-HOLTSVLE_138_874	874	138	501	553	698	25339
BROOKHVN-RIVRHEAD_138_864	864	138	314	345	375	25553
BROWNFLS-HIGLEY__115_1-BH	1	115	130	144	159	26078
BROWNFLS-TAYLORVL_115_3-BT	3	115	130	144	159	26076
BROWNFLS-TAYLORVL_115_4-BT	4	115	128	135	152	26077
BUCHAN_N-EASTVIEW_345_W93		345	1822	2010	2555	25133
BUCHAN_S-MILLWOOD_345_W97		345	1828	1976	2163	25146
BUCHAN_S-MILLWOOD_345_W98		345	1822	1976	2163	25247
BUCHANAN-MILLWOOD_138_96951	96952	138	291	322	409	25283
BUCHANAN-MILLWOOD_138_96952	96951	138	291	322	409	25284
BURNS__-N.HEMPST_138_531	530	138	282	309	321	25878
BURNS__-NANUET__69_49	491	69	144	157	163	26252
BURNS__-WHAVSTRW_138_541	919	115	171	179	179	25879
BUTLER__-MOHICAN__115_18-BM	18	115	141	144	159	26434
BUTLER__-MOHICAN__115_18-BM	18	115	141	144	159	26434
C._ISLIP-RONKOKMA_138_883	883	138	478	643	739	26497
CARMEL__-CROTONFL_115_991	991	115	261	287	311	26155
CARMEL__-CROTONFL_115_991	991	115	261	287	311	26155
CARMEL__-CROTONFL_115_991	991	115	261	287	311	26155
CARR_ST_-DEWITT__115_15-CD	15	115	227	249	268	26093
CEDARS__-ROSEMNTA_115_1-CR	1	115	239	239	239	26083
CEDARS__-ROSEMNTB_115_2-CR	2	115	239	239	239	26082
CEMENT__-SAUGRTES_69__H-2		69	86	90	96	26214
CHADWICK-E.WALDEN_115_DW-3		115	224	251	282	26218
CHADWICK-WBALMVLE_115_DW-2		115	224	251	282	26217
CHASLAKE-EDIC_PTR_230_11	11	230	511	564	634	25051

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
CHATGUAY-MASSENA_765_7040		765	3975	3975	5300	25301
CHRCHTWN-BLUE_S_A_115_13-BC	13	115	120	120	120	26685
CHRCHTWN-CRARYVIL_115_984	984	115	138	167	179	26500
CHURCH_S-ROTTDAM_115_10-AR	10	115	141	144	165	26428
CLAY____345_115_BK 1		345	355	410	448	25387
CLAY____345_115_BK 2		345	590	597	597	25421
CLAY____-DEWITT____115_3-CD	5	115	141	144	165	25519
CLAY____-DEWITT____115_3-CD	5	115	141	144	165	25519
CLAY____-DEWITT____115_5-CD	3	115	245	260	282	25522
CLAY____-DEWITT____115_5-CD	3	115	245	260	282	25522
CLAY____-DEWITT____345_13-CD	13	345	1348	1434	1434	25168
CLAY____-EDIC/PTR_345_2-15	42370	345	1434	1434	1434	25169
CLAY____-EDIC_PTR_345_1-16	42036	345	1591	1745	1904	25200
CLAY____-HOPKINS____115_11-CH	11	115	239	239	239	25516
CLAY____-INDPDNCE_345_26	26	345	1918	2115	2390	25858
CLAY____-TEALLAVE_115_10-CT	10	115	141	144	165	25520
CLAY____-TEALLAVE_115_10-CT	10	115	141	144	165	25520
CLAY____-TEALLAVE_115_10-CT	10	115	141	144	165	25520
CLIMAX__-TAYLORVL_115_1-CT	2	115	128	135	152	26431
CLIMAX__-TAYLORVL_115_1-CT	2	115	128	135	152	26431
CLINTON_-IMC_TAP____115_15-CI		115	128	135	152	26128
CLNTN-NM-STATE_ST_115_971	971	115	133	149	159	25063
CLYDE____115_34____TR1		115	152	166	175	25221
COBBLENM_115/34____BK 1	906	115	45	47	53	25426
COBBLENM-HOMER_HL_115_152-2	152	115	141	144	159	26022
COBBLENM-HOMER_HL_115_152-2	152	115	141	144	159	26022
COBBLENM-HOMER_HL_115_152-2	152	115	141	144	159	26022
COBBLENM-HOMER_HL_115_152-2	152	115	141	144	159	26022
CODNIGTN-E.ITHACA_115_981-1		115	133	149	162	25730
CODNIGTN-E.ITHACA_115_981-1		115	133	149	162	25730
CODNIGTN-ETNA____115_998	998	115	266	293	299	25734
COLLIERS-RICHFELD_115_929	929	115	90	90	90	26169
COLTON__-FLATROCK_115_2-CF	2	115	130	144	159	26088
COLTON__-HIGLEY____115_1-HC	1	115	130	144	159	26087
COOPERS__345/115_BK 2		345	248	298	300	25433
COOPERS__345/115_BK 3		345	270	300	300	25434
COOPERS_-FERNDAL_115_950	950	115	179	179	179	26171
COOPERS_-MIDDLETP_345_CMT-34		345	1786	1793	1793	25110
COOPERS_-ROCKTVRN_345_CRT-42		345	1793	1793	1793	25111
COOPERS_-WWDBURNE_115_957	957	115	120	120	120	26170
COOPERS_-WWDBURNE_115_957	957	115	120	120	120	26170
COOPERS_-WWDBURNE_115_957	957	115	120	120	120	26170
CORONA__-JAMAICA__138_18001	18001	138	184	259	401	25285
CORONA__-JAMAICA__138_18002	18002	138	184	259	401	25286
CORTLAND-TILDEN____115_18-CT	18	115	224	239	239	26089

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
CORTLAND-TILDEN__115_18-CT	18	115	224	239	239	26089
CORTLAND-TULLERHL_115_947-1	947	115	133	149	162	25059
CURRY_RD-WOLF_RD__115_8	8	115	141	144	165	26254
CURRY_RD-WOLF_RD__115_8	8	115	141	144	165	26254
CURRY_RD-WOLF_RD__115_8	8	115	141	144	165	26254
DANSKAMR-NCHELSEA_115_AC		115	215	231	282	25829
DANSKAMR-NCHELSEA_115_AC		115	215	231	282	25829
DANSKAMR-NCHELSEA_115_DC		115	200	217	355	25830
DANSKAMR-NCHELSEA_115_DC		115	200	217	355	25830
DANSKAMR-RYNDNS_HL_115_DR		115	237	282	315	25831
DANSKAMR-RYNDNS_HL_115_DR		115	237	282	315	25831
DANSKAMR-WBALMVLE_115_DB		115	227	249	268	26221
DANSKAMR-WBALMVLE_115_DB		115	227	249	268	26221
DAVIS_RD-STOLLERD_115_927	927	115	238	239	239	26172
DELHI__-DELHI_TP_115_951-1		115	164	164	164	26174
DELHI__-VINGR_TP_115_917_916	917	115	120	120	120	25911
DELHI__-VINGR_TP_115_917_916	917	115	120	120	120	25911
DELHI__-VINGR_TP_115_917_916	917	115	120	120	120	25911
DELHI__-VINGR_TP_115_917_916	917	115	120	120	120	25911
DELHI__-VINGR_TP_115_917_916	917	115	120	120	120	25911
DELHI_TP-COLLIERS_115_951-2		115	239	239	239	26203
DENNISON-NORFOLK__115_4-DA	4	115	222	234	278	25225
DENNISON-NORFOLK__115_4-DA	4	115	222	234	278	25225
DENNISON-ROSEMNTA_115_1-RD	1	115	215	235	253	25523
DENNISON-ROSEMNTB_115_2-RD	2	115	215	235	253	25524
DENNISON-SANDSTON_115_5-DS	5	115	222	234	278	25226
DENNISON-SANDSTON_115_5-DS	5	115	222	234	278	25226
DEPEW_TP-ERIE_ST__115_921	921	115	168	212	239	26010
DEWITT__345_115_BK 2	2	345	619	758	796	25418
DUNKIRK__230_115_BK 31	41	230	165	199	250	25386
DUNKIRK__230_115_BK 41	31	230	166	227	250	25430
DUNKIRK_-BERRY_RD_115_160-1	160	115	222	234	239	26025
DUNKIRK_-BRIGHAM__115_161-1	161	115	107	117	123	26021
DUNKIRK_-LUDLUM_A_115_162-1	162	115	107	117	123	26027
DUNWODIE_345_138_BK N1_W74		345	414	540	664	25209
DUNWODIE_345_138_BK S1_W73		345	414	540	664	25208
DUNWODIE-DUNWODIE_138_99997 TIE	99997	138	280	359	383	25532
DUNWODIE-E179THST_138_99153	99153	138	252	348	439	25287
DUNWODIE-SHERMCRK_138_99031	99031	138	149	259	290	25193
DUNWODIE-SHERMCRK_138_99032	99032	138	149	259	290	25239
DUNWODIE-SHORE_RD_345_Y50		345	613	891	1419	25091
E.ITHACA-ETNA__115_981-2		115	100	115	143	25733
E.ITHACA-ETNA__115_981-2		115	100	115	143	25733
E.SAYRE_-NWAVERLY_115_956	956	115	102	139	139	25013
E.TWANDA-HILLSIDE_230_70	70	230	512	564	598	25014

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
E.WALDEN-MODENA__115_EM		115	285	314	350	25832
E13THSTA_345/138_BK 10	37374	138	294	326	367	25467
E13THSTA_345/138_BK 11	37375	138	284	297	315	25468
E13THSTA_345/138_BK 12	37376	138	284	297	315	25463
E13THSTA_345/138_BK 13	37377	138	274	297	315	25464
E13THSTA_345/138_BK 14	37373	138	295	326	369	25465
E13THSTA_345/138_BK 15	37372	138	323	369	410	25466
E13THSTA_345/138_BK 16	37378	138	318	372	495	25469
E13THSTA_345_69__BK 17	44371	69	271	336	452	25459
E13THSTA-FARRAGUT_345_45	45	345	783	920	1285	25190
E13THSTA-FARRAGUT_345_46	46	345	783	920	1285	25251
E13THSTA-FARRAGUT_345_47		345	492	726	1151	25177
E13THSTA-FARRAGUT_345_48	48	345	492	726	1151	25252
E179THST-HELLGATE_138_15053	15053	138	184	259	401	25289
E179THST-HELLGATE_138_15054	15054	138	184	259	401	25290
E179THST-PARKCHTR_138_38X01		138	127	169	204	25327
E179THST-PARKCHTR_138_38X02		138	127	169	204	25328
E179THST-PARKCHTR_138_38X03		138	127	169	204	25329
E179THST-PARKCHTR_138_38X04		138	127	169	204	25330
EAST WALDEN - ROCK TAVERN		115	255	282	350	69037
EAST WALDEN - ROCK TAVERN		115	255	282	350	69038
EASTVIEW_345/138_BK 1N	87873	138	438	493	493	25472
EASTVIEW_345/138_BK 1S	87871	138	438	493	493	25373
EASTVIEW_345/138_BK 2N	87874	138	438	493	493	25471
EASTVIEW_345/138_BK 2S	87872	138	438	493	493	25470
EASTVIEW-SPRNBRK__345_W64		345	2430	2821	3349	25143
EASTVIEW-SPRNBRK__345_W65		345	1976	2384	2895	25144
EASTVIEW-SPRNBRK__345_W78		345	2430	2821	3349	25346
EASTVIEW-SPRNBRK__345_W79		345	1976	2384	2895	25153
EDIC/PTR-FRASER__345_EF24-40		345	1380	1380	1380	25112
EDIC/PTR-N.SCTLND_345_14-EN	14	345	1624	1783	1792	25170
EDIC/PTR-ROTTRDAM_230_30-PR	30	230	511	564	634	25173
EDIC/PTR-ROTTRDAM_230_31-PR	31	230	511	564	634	25194
EDIC/PTR-VALLEY__115_4-PV	4	115	141	144	165	25231
EDIC_PTR_230_115_BK 1P	2	230	320	366	398	25389
EDIC_PTR_230_115_BK 2P	1	230	320	366	398	25423
EDIC_PTR_345_115_BK 3E		345	525	603	761	25424
EDIC_PTR_345_115_BK 4E		345	603	722	796	25454
EDIC_PTR_345_230_BK 2E	17	230	551	626	637	25422
EDIC_PTR-WATKINRD_115_5-PW	2	115	141	144	159	25232
EFISHKIL_345_115_BK 1		345	505	531	531	25724
EFISHKIL-WOOD_ST__345_F38		345	2401	3031	3406	25367
EFISHKIL-WOOD_ST__345_F39		345	2401	3031	3406	25368
EGRDNCTY_345/138_BK 1		345	444	641	855	25551
EGRDNCTY_345/138_BK 2		345	444	641	855	25552

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
EGRDNCTY-CARLPLCE_138_361	361	138	304	334	364	25533
EGRDNCTY-NEWBRDGE_138_462	462	138	244	325	422	25303
EGRDNCTY-NEWBRDGE_138_463	463	138	244	325	434	25304
EGRDNCTY-NEWBRDGE_138_465	465	138	262	344	442	25535
EGRDNCTY-ROSLYN___138_362	362	138	314	345	375	25534
EKINGSTN-RHINEBCK_115_LR-2		115	224	249	282	26222
EKINGSTN-RHINEBCK_115_LR-2		115	224	249	282	26222
ELBRIDGE_345_115_BK 1		345	542	621	796	25448
ELBRIDGE-GRS_LOCK_115_19-EG	19	115	141	144	165	26097
ELBRIDGE-GRS_LOCK_115_3-EG	3	115	176	181	209	26098
ELBRIDGE-GRS_LOCK_115_3-EG	3	115	176	181	209	26098
ELBRIDGE-HYATT___115_15-EH	15	115	156	171	182	25109
ELBRIDGE-LAFAYTTE_345_17-LE	17	345	940	1562	1912	25149
ELBRIDGE-MILTON_C_115_18-EM	18	115	156	171	182	26095
ELBRIDGE-STATE_ST_115_5_972	972	115	145	159	169	25107
ELM_ST__-SENECA_A_230_71	71	230	223	254	262	26426
ELM_ST__-SENECA_B_230_72	72	230	223	254	262	26427
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729
ERIE SO.-S.RIPLEY_230_69	69	230	553	637	637	25016
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE ST - DEPEW TAP	921	115	120	120	120	25086
ERIE_ST_-PAVNMTRD_115_926	926	115	179	179	179	26175
ERIE_ST_-PAVNMTRD_115_926	926	115	179	179	179	26175
ETNA___-LAPEER___115_947-3		115	145	170	181	26179
ETNA___-WILLET___115_945-2	945	115	133	149	162	25731
FALCONER-HOMER_HL_115_153	153	115	156	159	159	26033
FALCONER-HOMER_HL_115_153	153	115	156	159	159	26033
FALCONER-HOMER_HL_115_153	153	115	156	159	159	26033
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FALCONER-HOMER_HL_115_154	154	115	156	159	159	26032
FARMGTN_-BORDRCTY_115_977	977	115	187	208	221	25057
FARMGTN_-HAMLTNM_115_1-HF	1	115	152	166	175	26101
FARRAGUT-GOWANN41_345_41	41	345	688	855	1215	25141
FARRAGUT-GOWANS42_345_42	42	345	688	855	1215	25140
FARRAGUT-HUDS_AVE_138_32078	32078	138	130	174	216	25292
FARRAGUT-HUDS_AVE_138_32711	32711	138	130	174	216	25293
FARRAGUT-HUDS_AVE_138_32711	32711	138	130	174	216	25293
FENERWND-ONEIDA___115_8	3	115	159	159	159	25894
FENERWND-ONEIDA___115_8	3	115	159	159	159	25894

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
FENERWND-ONEIDA__115_8	3	115	159	159	159	25894
FENERWND-ONEIDA__115_8	3	115	159	159	159	25894
FENERWND-ONEIDA__115_8	3	115	159	159	159	25894
FENERWND-ONEIDA__115_8	3	115	159	159	159	25894
FERNDAL- WWDBURNE_115_959	959	115	90	90	90	26180
FEURABSH-NCATSKLL_115_2-FN	2	115	141	144	165	25067
FEURABSH-NCATSKLL_115_2-FN	2	115	141	144	165	25067
FEURABSH-REYNOLDS_115_17-FR	17	115	311	341	375	25862
FISHKPLN-EFISHKIL_115_HF		115	242	266	292	26227
FISHKPLN-SYLVANLK_115_FP		115	256	282	350	25066
FITZPTRK-EDIC/PTR_345_FE1		345	1434	1434	1912	25077
FLATROCK-BROWNFLS_115_2-FBF	2	115	130	144	159	26079
FORGEBRK-SHENDOAH_115_FS		115	242	260	282	26229
FORGEBRK-SHENDOAH_115_FS		115	242	260	282	26229
FORGEBRK-SHENDOAH_115_FS		115	242	260	282	26229
FOXHILLS-WILLWBRK_138_29211-1		138	195	286	463	25771
FOXHILLS-WILLWBRK_138_29212-1		138	195	286	463	25772
FRASER__345/115_BK 2		345	356	420	420	25391
FRASER__COOPERS__345_33	33	345	1482	1631	1793	25236
FRASER__GILBOA__345_GF5-35	35	345	1524	1524	1524	25060
FRASERNY-DELHI_TP_115_951-3		115	239	239	239	26202
FRESHKLS_138C_138A_R1_21191	21191	138	327	435	540	25639
FRESHKLS_138C_138B_R2_21192	21192	138	329	410	478	25640
FRESHKLS_345_138_TA 1		138	327	435	540	25457
FRESHKLS_345_138_TB 1		138	329	410	478	25458
FRONT_ST-ROSA_RD__115_11	11	115	239	239	239	26274
FTZPK_NM-LIGHTHSE_115_3-FLH	3	115	141	144	159	25502
FTZPK_NM-LIGHTHSE_115_3-FLH	3	115	141	144	159	25502
FTZPK_NM-LIGHTHSE_115_3-FLH	3	115	141	144	159	25502
FULTON__CLAY____115_4-FC	4	115	141	144	165	25518
FULTON__CLAY____115_4-FC	4	115	141	144	165	25518
FULTON__CLAY____115_4-FC	4	115	141	144	165	25518
FULTON__CLAY____115_4-FC	4	115	141	144	165	25518
GARDNVLA_230/115_BK 6		230	370	420	420	25405
GARDNVLA_230/115_BK 7		230	246	288	300	25435
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116
GARDNVLA-STOLLERD_230_66	66	230	478	478	478	25180
GARDNVLB_230_115_BK 2	2	230	299	334	396	25385
GARDNVLB_230_115_BK 3	3	230	169	210	250	25416
GARDNVLB_230_115_BK 4	4	230	169	211	250	25417
GARDNVLB-ARCADE__115_151-1	151	115	141	144	159	26040
GARDNVLB-ARCADE__115_151-1	151	115	141	144	159	26040
GARDNVLB-COBBLENM_115_152-1	152	115	141	144	159	26023
GARDNVLB-DUNKIRK__230_73	73	230	637	637	637	25166
GARDNVLB-DUNKIRK__230_74	74	230	637	637	637	25197

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
GARDNVLB-GARDNVLA_115_GARD-NY		115	712	813	985	25085
GARDNVLB-GARDNVLA_230_T8-12		230	773	773	773	25089
GARDNVLB-ST_139_A_115_141-1	141	115	107	117	123	26038
GARDNVLB-ST_139_B_115_142-1	142	115	107	117	123	26037
GARDNVLB-WALDEN__115_54-1	54	115	168	212	239	26035
GE_R_D_-GROOMS__115_20_15	20	115	245	257	294	26266
GE_R_D_-GROOMS__115_20_15	20	115	245	257	294	26266
GE_R_D_-GROOMS__115_20_15	20	115	245	257	294	26266
GILBOA_-LEEDS__345_GL3		345	1762	1793	1912	25219
GILBOA_-N.SCTLND_345_GNS1		345	1458	1601	1780	25052
GINNA__-PANNELL__115_912	912	115	265	295	335	25260
GINNA__-STA_204__115_908-1	908	115	322	360	415	26282
GINNA__-STA_204__115_911-1	911	115	322	360	438	26283
GLENWD_-CARLPLCE_138_363	363	138	370	393	434	25554
GLENWDGT-ROSLYN__138_364	364	138	370	393	434	25556
GOETHLSS-FRESHKLS_345_21	21	345	971	1073	1362	25138
GOETHSLN_345/230_BK 1		345	630	789	886	25642
GOETHSLN-FRESHKLS_345_22	22	345	1283	1618	1817	25137
GOLAH__-MORTIMER_115_110	110	115	158	159	159	26034
GOWANUSA-GREENWD__138_42G24		138	270	307	322	26007
GOWANUSC-GREENWD__138_42G13		138	259	307	322	26006
GOWANUSN_138A_138B_PAR R2		138	272	308	376	25793
GOWANUSN_345_138_BK T2		138	272	308	376	25476
GOWANUSN-GOETHSLN_345_25	25	345	527	726	1076	25139
GOWANUSN-GREENWD__138_42231	42232	138	262	325	452	25214
GOWANUSS_138A_138B_PAR R14		138	272	308	376	25794
GOWANUSS_345_138_BK T14		138	272	308	376	25475
GOWANUSS-GOETHLSS_345_26	26	345	527	726	1076	25571
GOWANUSS-GREENWD__138_42232	42231	138	262	325	452	25215
GREENBSH-CHRCHTWN_115_14-GC	14	115	168	199	199	26126
GREENBSH-CHRCHTWN_115_14-GC	14	115	168	199	199	26126
GREENBSH-FT._ORAN_115_15	15	115	145	159	159	26130
GREENBSH-STEPHTWN_115-993	993	115	41	51	57	26447
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184
GREENDGE-MONTRFL__115_970	970	115	146	160	178	26183
GREENLWN-ELWOOD__138_673	673	138	487	572	657	25546
GREENLWN-SYOSSET__138_676	676	138	318	399	561	25548
GREENWD_-FOXHILLS_138_29231	29231	138	169	252	394	25321
GREENWD_-FOXHILLS_138_29232	29232	138	169	252	394	25322
GRMVL-CH-HONK_FLS_69__HG-1		69	40	40	40	26233
GRMVL-CH-NEVRSNK__69__HG-2		69	49	50	57	26232

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
GRMVL-CH-NEVRSNK_69_HG-2		69	49	50	57	26232
GROOMS_-JOHNSON_115_13	13	115	268	293	317	26267
GRS_LOCK-SOLVAY_115_8-GS	8	115	141	144	165	26103
HAMLTNNM-ELBRIDGE_115_1-HE	1	115	152	166	175	26096
HAMLTNNM-HAMLTNNY_115_BK1	1	115	34	42	56	25394
HANCOCK_-HAZEL_115_955-1	955	115	119	120	120	26187
HARRIMAN-HILLBURN_69_31_311	31	69	141	154	160	26261
HARRIMAN-HILLBURN_69_31_311	31	69	141	154	160	26261
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162
HELLGATE-ASTORIAE_138_34051	34051	138	184	259	401	25323
HELLGATE-ASTORIAE_138_34052	34052	138	184	259	401	25324
HELLGATE-ASTORIAW_138_24051	24051	138	202	283	489	25210
HELLGATE-ASTORIAW_138_24053	24053	138	171	207	207	25212
HELLGATE-ASTORIAW_138_24054	24054	138	171	207	207	25213
HICKLING-CATON_115_958	958	115	119	120	120	26189
HICKLING-CATON_115_958	958	115	119	120	120	26189
HICKLING-RIDGE_RD_115_964	964	115	127	147	167	26188
HILLBURN-RAMAPOOR_138_52	52	138	210	243	271	25882
HILLBURN-RINGWOOD_69_89	89	69	141	154	160	26262
HILLSIDE_230_115_BK 3		230	271	332	336	25397
HILLSIDE_230_115_BK 4		230	467	561	699	25046
HILLSIDE-CHEMUNG_115_962	962	115	170	179	179	25726
HILLSIDE-CHEMUNG_115_962	962	115	170	179	179	25726
HILLSIDE-WATRCURE_230_69	69	230	615	657	657	25181
HINMAN_-HARSNRAD_115_908	908	115	297	306	306	26161
HOLBROOK-BROOKHVN_138_887	887	138	457	502	558	25340
HOMER C_-STOLLERD_345_37	37	345	703	835	840	25036
HOMER C_-WATRCURE_345_30	30	345	927	927	927	25018
HOMER_HL-NILE_115_157-1	157	115	95	100	111	26041
HOMER_HL-NILE_115_157-1	157	115	95	100	111	26041
HONK_FLS-HIGH_FLS_69_HK		69	40	47	53	26237
HONK_FLS-HIGH_FLS_69_HK		69	40	47	53	26237
HONK_FLS-MODENA_69_MK		69	40	47	49	26236
HONK_FLS-MODENA_69_MK		69	40	47	49	26236
HONK_FLS-MODENA_69_MK		69	40	47	49	26236
HOOK_TAP-FARMGTN_115_1-HF	1	115	152	166	175	26100
HOPKINS_-TEALLAVE_115_11-HT	11	115	239	239	239	26105
HUDS_AVE-JAMAICA_138_701	701	138	175	228	370	25294
HUDS_AVE-JAMAICA_138_702	702	138	175	228	370	25295
HUDSON_-PLSNTVLY_115_12-HP	12	115	145	151	159	25499
HUDSON_-PLSNTVLY_115_12-HP	12	115	145	151	159	25499
HUDSONP_-FARRAGUT_345_B3402		345	586	748	863	25020
HUDSONP_-FARRAGUT_345_C3403		345	543	737	827	25038
HUNTLEY_-SAWYER_230_79	79	230	691	760	848	25127

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
HUNTLEY_-SAWYER___230_79	79	230	691	760	848	25127
HUNTLEY_-SAWYER___230_80	80	230	691	760	848	25128
HUNTLEY_-SAWYER___230_80	80	230	691	760	848	25128
HUNTLEY_-ST_60_36_115_36-1	36	115	176	181	199	26046
HUNTLEY_-ST_60_37_115_37-1	37	115	176	181	199	26045
HURLYAVE_345/115_BK 1		345	486	560	560	25419
HURLYAVE-BOULEVRD_69_I		69	78	87	96	26213
HURLYAVE-LINCNPBK_115_HP		115	242	266	292	25833
HURLYAVE-OHIOVLE_115_OR		115	168	212	239	25834
HURLYAVE-ROSETON_345_303	303	345	1712	1885	1912	25218
HYATT___115/34___BK 1	1	115	61	76	100	70329
HYATT___-BORDRCTY_115_979	979	115	156	171	179	25106
IMC_TAP_-MECO___115_15-IM	15	115	128	135	152	26132
INDN_PT3-BUCHAN_S_345_W96		345	1793	1793	2266	25570
INDPDNCE-SCRIBA___345_25	25	345	1918	2115	2390	25859
INGHAM_C_115_115_PAR 2	2	115	197	234	239	25242
INGHAM_C-INGHAM_E_115_R81		115	222	234	239	25243
INGHAM_E-ESPRGFLD_115_942-1	941	115	114	131	152	25061
INGHAM_E-STJHNVLE_115_6-IS	6	115	104	107	122	26133
INGHAM_E-STONER___115_9-IS	12	115	128	135	152	25863
JAMAICA_-LAKSUCSS_138_903	903	138	268	361	428	25090
JAMAICA_-VALLYSTR_138_901 L_M		138	307	391	441	25048
JENNISON-DELHI___115_949	949	115	117	120	120	26173
JENNISON-DELHI___115_949	949	115	117	120	120	26173
JENNISON-HANCOCK___115_954	954	115	119	120	120	26186
JENNISON-HANCOCK___115_954	954	115	119	120	120	26186
JENNISON-HANCOCK___115_954	954	115	119	120	120	26186
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898
JOHNSON_-MAPLEWOD_115_12	12	115	168	212	237	26268
KENTAVE_-GREENWD___138_31231-2		138	177	254	394	25298
KENTAVE_-GREENWD___138_31232-2		138	177	254	394	25299
KENTS_FL-MASONCR___115_913	913	115	120	120	120	26207
KENTS_FL-MASONCR___115_913	913	115	120	120	120	26207
KINTIGH_-ROCHESTR_345_SR-1	39	345	1591	1745	1793	25073
KNAPPCRN-PLSNTVLY_69_G		69	49	52	58	26239
KNAPPCRN-PLSNTVLY_69_G		69	49	52	58	26239
KNAPPCRN-PLSNTVLY_69_G		69	49	52	58	26239
KNAPPCRN-SANDDOCK_115_KB/KC		115	238	261	290	26240
LADENTWN-BOWLINE___345_68	68	345	777	837	837	25249
LADENTWN-BUCHAN_S_345_Y88		345	1822	2010	2555	25185
LADENTWN-WHAVSTRW_345_67-2	67	345	1976	2384	2895	25248
LAFAYTTE-DEWITT___345_22-DL	22	345	1912	1912	1912	25174
LAFAYTTE-OAKDALE_345_4-36	36	345	1380	1380	1380	25049
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160
LAUREL L-GOUDEY___115_952	952	115	128	149	162	25012

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
LEEDS__-ATHENS__345_95	95	345	1624	1783	1912	25789
LEEDS__-HURLYAVE_345_301	301	345	1712	1885	1912	25055
LEEDS__-PLSNTVLY_345_92	92	345	1624	1783	1912	25056
LIGHTHSE-CLAY___115_7-CL	7	115	141	144	165	25521
LIGHTHSE-CLAY___115_7-CL	7	115	141	144	165	25521
LINCNPRK-EKINGSTN_115_LR-1		115	242	260	282	26223
LINDENP_-GOETHSLN_230_A2253		230	613	768	768	25017
LOCKPORT-HINMAN___115_100	100	115	268	293	317	25087
LOCKPORT-N.AKRN_1_115_108-2	108	115	158	162	187	25266
LOCKPORT-OAKFIELD_115_112-1	112	115	166	175	187	25300
LOCKPORT-SWEDEN_A_115_111-1	111	115	166	175	187	25262
LOCKPORT-SWEDEN_A_115_111-1	111	115	166	175	187	25262
LOCKPORT-SWEDEN_B_115_113-1	113	115	129	149	153	25263
LOCKPORT-SWEDEN_B_115_113-1	113	115	129	149	153	25263
LOCKPORT-TELGRAPH_115_107-1	107	115	199	199	199	25265
LOCKPORT-TELGRAPH_115_114-1	114	115	174	191	199	25264
LOCUSTGR-NEWBRDGE_138_558	558	138	446	572	657	25158
LONG_MTN-PLSNTVLY_345_398	398	345	1283	1476	1635	25033
ONGLANE-BLUE_CIR_115_6-BS	6	115	141	144	159	25864
LOVETT___138_69_BK 147		138	94	130	149	26331
LOVETT_-BOWLINOR_138_56	562	138	279	305	317	25877
LOVETT_-W.NYACK_69_55_551	551	69	113	124	129	25886
LOVETT_-W.NYACK_69_55_551	551	69	113	124	129	25886
LUDLUM_A-FALCONER_115_162-2	162	115	107	117	123	26031
LUDLUM_A-FALCONER_115_162-2	162	115	107	117	123	26031
LUDLUM_A-FALCONER_115_162-2	162	115	107	117	123	26031
LUDLUM_A-FALCONER_115_162-2	162	115	107	117	123	26031
LUDLUM_B-FALCONER_115_161-3	161	115	107	117	123	26030
LUDLUM_B-FALCONER_115_161-3	161	115	107	117	123	26030
MALONE_-NICHLVLE_115_3-NM	3	115	145	152	159	25585
MALONE_-WILLIS___115_1-MW	910	115	168	191	199	25586
MANCHSTR-KNAPPCRN_115_MC		115	238	261	290	26241
MAPLEWOD-ARSENAL_115_15	31	115	156	170	181	25844
MAPLEWOD-MENANDS__115_19-MM	19	115	142	150	160	25870
MARCY___765_345_BK 1		765	1718	1718	1718	25455
MARCY___765_345_BK 2		765	1793	1793	2297	25456
MARCY_-COOPERS_345_UC2-41	41	345	1345	1345	1345	25113
MARCY_-EDIC_PTR_345_UE1-7		345	1792	1792	1792	25229
MARCY_-EDIC_PTR_345_UE1-7		345	1792	1792	1792	25229
MARCY_-N.SCTLND_345_18	18	345	1792	1792	1792	25276
MASSENA_765_230_BK 1		765	1076	1195	1404	25665
MASSENA_765_230_BK 2		765	1076	1195	1404	25666
MASSENA_-MARCY___765_MSU1		765	3975	3975	5300	25224
MCADOO_-BATTHILL_115_6-MBH	6	115	93	101	107	26064
MCADOO_-BATTHILL_115_6-MBH	6	115	93	101	107	26064

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
MCINTYRE-COLTON__115_8-MC	8	115	93	101	106	25514
MCINTYRE-COLTON__115_8-MC	8	115	93	101	106	25514
MCINTYRE-COLTON__115_8-MC	8	115	93	101	106	25514
MCINTYRE-COLTON__115_8-MC	8	115	93	101	106	25514
MCINTYRE-MCADOO__115_6	6	115	93	101	106	26108
MECO__-CHURCH_S_115_10-AM	10	115	141	144	165	26120
MECO__-CHURCH_S_115_10-AM	10	115	141	144	165	26120
MENANDS_-REYNOLDS_115_2-MR	2	115	255	282	316	26135
MENANDS_-RIVERSDE_115_3-MR	3	115	194	213	237	26134
MENANDS_-RIVERSDE_115_3-MR	3	115	194	213	237	26134
MEYER__230/115_BK 4		230	271	332	336	25398
MEYER__-BENNETT__115_966	966	115	149	172	179	26166
MEYER__-BENNETT__115_966	966	115	149	172	179	26166
MEYER__-HILLSIDE_230_68	68	230	383	383	383	25176
MEYER__-HILLSIDE_230_68	68	230	383	383	383	25176
MIDDLETP_345_138_BK 114		345	506	587	671	26465
MIDDLETP-ROCKTVRN_345_MTR-34		345	1786	1793	1793	26464
MILAN__-PLSNTVLY_115_10	10	115	145	160	178	26433
MILAN__-RHINEBCK_115_MR		115	224	239	239	26242
MILLERPL-HOLBROOK_138_885	885	138	502	553	678	26691
MILLIKEN-ETNA__115_974	974	115	231	260	286	26177
MILLIKEN-ETNA__115_975	975	115	231	260	286	26178
MILLWOOD_345_138_TA 1	96922	138	248	333	359	25530
MILLWOOD_345_138_TA 2	96921	138	234	305	321	25531
MILLWOOD-EASTVIEW_345_W82		345	2430	2821	3349	25147
MILLWOOD-EASTVIEW_345_W85		345	2430	2821	3349	25258
MILLWOOD-EASTVIEW_345_W99		345	2430	2821	3349	25255
MODENA__115/69_TR 1		115	40	50	53	26325
MODENA__-OHIOVLL_115_PX		115	285	301	350	25835
MOHICAN_-BATNKILL_115_15-BM	15	115	128	135	152	26122
MONTRFL_-CODNIGTN_115_982	982	115	133	149	162	25728
MONTRFL_-RIDGE_RD_115_978-2	978	115	133	149	162	26197
MORTIMER-PITSFRDB_115_24-1	24	115	156	171	182	25096
MOSES__230/115_BK 1		230	526	589	722	25411
MOSES__230/115_BK 2		230	526	589	722	25451
MOSES__230/115_BK 3		230	220	276	287	25452
MOSES__230/115_BK 4		230	598	598	797	25453
MOSES__-ADIRNDCK_230_MA1		230	359	359	478	25269
MOSES__-ADIRNDCK_230_MA2		230	447	473	517	25270
MOSES__-ALCOA_N_115_MAL4		115	256	281	327	25582
MOSES__-ALCOA_N_115_MAL4		115	256	281	327	25582
MOSES__-ALCOA_S_115_MAL5		115	291	319	350	25583
MOSES__-MASSENA_230_MMS1		230	1076	1195	1404	25274
MOSES__-MASSENA_230_MMS2		230	1076	1195	1404	25275
MOSES__-WILLIS__230_MW1		230	447	473	517	25188

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
MOSES__-WILLIS__230_MW2		230	447	473	517	25271
MOSHIER_-TAYLORVL_115_7-MT	7	115	49	49	49	26109
MOUNTAIN-NIAGARA	121	115	224	239	282	25070
MOUNTAIN-NIAGARA(PASNY)	122	115	224	239	282	25072
MOUNTAIN-SWANRD_3_115_103-2	103	115	199	199	199	26054
N.AKRN_1-BATAVIA__115_107-3	107	115	145	152	159	25124
N.AKRN_2-BATAVIA__115_108-1	108	115	158	159	159	25125
N.END__-ASHLEYRD_115_702	702	115	351	386	434	25846
N.END__-PLATSBRG_115_701	701	115	239	239	239	25848
N.SCTLND_345/115_BK 1		345	529	560	619	25445
N.SCTLND_345/115_BK 2		345	533	547	597	25460
N.SCTLND-ALBANY__115_8-NA	8	115	340	373	414	25496
N.SCTLND-ALPS__345_2-AN	2	345	1278	1410	1780	25217
N.SCTLND-ALTAMONT_115_20-NV	20	115	141	144	165	25492
N.SCTLND-ALTAMONT_115_20-NV	20	115	141	144	165	25492
N.SCTLND-BETHLHEM_115_4-NB	4	115	255	282	358	25497
N.SCTLND-FEURABSH_115_3-NF	3	115	311	341	375	25495
N.SCTLND-FEURABSH_115_9	9	115	141	144	165	25490
N.SCTLND-FEURABSH_115_9	9	115	141	144	165	25490
N.SCTLND-FEURABSH_115_9	9	115	141	144	165	25490
N.SCTLND-LEEDS__345_93-LN	93	345	1534	1692	1912	25171
N.SCTLND-LEEDS__345_93-LN	93	345	1534	1692	1912	25171
N.SCTLND-LEEDS__345_94-LN	94	345	1534	1692	1912	25203
N.SCTLND-PLASTICS_115_7	7	115	141	144	165	25491
N.SCTLND-PLASTICS_115_7	7	115	141	144	165	25491
N.SCTLND-ROTTTRDAM_115_13-NR	13	115	255	282	318	25494
N.SCTLND-VORHVSLE_115_19-NV	19	115	128	135	152	25493
N.TROY__-HOOSICK__115_5-NHF	5	115	259	292	317	26131
N.TROY__-HOOSICK__115_5-NHF	5	115	259	292	317	26131
N.TROY__-REYNOLDS_115_16-NR	16	115	222	234	268	26139
N.TROY__-REYNOLDS_115_16-NR	16	115	222	234	268	26139
N.TROY__-WYNTKLNM_115_14-NW	14	115	224	248	268	26137
N.TROY__-WYNTKLNM_115_14-NW	14	115	224	248	268	26137
NBRDWYNM-ERIE_ST__115_922	922	115	146	160	178	26011
NCATSKLL-CEMENT__69_H-1		69	99	101	114	26215
NCATSKLL-MILAN__115_T7		115	145	160	178	26243
NHELSEA_115/69__BK TR1		115	40	50	53	25836
NHELSEA-FISHKPLN_115_NF		115	264	290	315	26228
NHELSEA-FORGEBRK_115_FO		115	224	251	282	26230
NHELSEA-KNAPPCRN_69__TY		69	49	52	58	26220
NHELSEA-KNAPPCRN_69__TY		69	49	52	58	26220
NEWBRDGE-RULAND__138_561	561	138	311	341	371	25305
NIAGARA__230/115_BK T1		230	220	276	288	25409
NIAGARA__230/115_BK T2		230	286	359	470	25410
NIAGARA__345/230_BK 3		345	441	552	575	25408

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
NIAGARA__345/230_BK 4		345	881	1027	1150	25449
NIAGARA__345/230_BK 5		345	441	552	575	25450
NIAGARA_-GARDNVLB_115_180	180	115	194	199	233	25104
NIAGARA_-GARDNVLB_115_180	180	115	194	199	233	25104
NIAGARA_-KINTIGH__345_NS1-38	38	345	1591	1745	1793	25074
NIAGARA_-LOCKPORT_115_101	101	115	285	300	318	25267
NIAGARA_-LOCKPORT_115_101	101	115	285	300	318	25267
NIAGARA_-MOUNTAIN_115_120	120	115	224	239	239	25135
NIAGARA_-PACKARD__115_191	191	115	319	339	383	25075
NIAGARA_-PACKARD__115_192	192	115	319	339	383	25099
NIAGARA_-PACKARD__115_193	194	115	319	339	383	25100
NIAGARA_-PACKARD__115_194	193	115	319	339	383	25101
NIAGARA_-PACKARD__115_195	195	115	319	339	383	25102
NIAGARA_-PACKARD__230_61	62	230	717	717	942	25186
NIAGARA_-PACKARD__230_62	61	230	717	717	942	25220
NIAGARA_-ROBNSNRD_230_64	64	230	639	678	717	25088
NIAGARA_-ROCHESTR_345_NR2		345	1591	1745	1904	25084
NIAGARA_-ROCHESTR_345_NR2		345	1591	1745	1904	25084
NIAGARA_-SANDBORN_115_102-2	102	115	285	300	318	25103
NICHLVLE-PARISHVL_115_3-PN	3	115	145	152	159	26110
NINEMILE-CLAY__345_8-NC	8	345	1278	1410	1763	25167
NINEMILE-FTZPK_NM_115_4-NF	4	115	159	159	159	25500
NINEMILE-SCRIBA__345_9-NS	9	345	1278	1410	1792	25359
NOR HBR_-NRTHPORT_138_1385	1385	138	286	363	428	25035
NRTHPORT-ELWOOD__138_681	681	138	398	536	677	25544
NRTHPORT-ELWOOD_W_138_678	678	138	398	536	677	25543
NRTHPORT-PILGRIM__138_672	672	138	229	310	421	25307
NRTHPORT-PILGRIM__138_677	677	138	459	609	677	25308
NRTHPORT-PILGRIM__138_679	679	138	459	621	842	25309
OAKDALE__230/115_BK 1		230	318	435	440	25400
OAKDALE__345/115_BK 2		345	508	600	600	25401
OAKDALE__345/115_BK 3		345	508	600	600	25399
OAKDALE_-ENDICOTT_115_938	938	115	171	188	239	26198
OAKDALE_-FRASER__345_32	32	345	1380	1380	1380	25235
OAKDALE_-GOUDEY__115_939	939	115	239	239	239	26182
OAKDALE_-KATTLVLE_115_943	943	115	171	188	221	26201
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199
OAKFIELD-BATAVIA__115_112-2	112	115	166	175	187	25126
OAKWOOD_-ELWOOD_E_138_674	674	138	487	572	657	25545
OAKWOOD_-SYOSSET__138_675	675	138	301	418	650	25547
OHIOVLE_115/69__BK TR1		115	40	50	53	25819
OHIOVLE-RYNDNS_HL_115_OR/HR		115	168	188	239	26247
ONEIDA__-WALESVIL_115_7	7	115	141	144	159	26115
ONEIDA__-WALESVIL_115_7	7	115	141	144	159	26115
ONEIDA__-WALESVIL_115_7	7	115	141	144	159	26115

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
OSWEGO__345_115_BK 7	.	345	576	657	774	25372
OSWEGO_-ELBRIDGE_345_17-EO	17	345	1278	1410	1792	25234
OSWEGO_-S.OSWEGO_115_3-OS	3	115	209	239	239	25507
OSWEGO_-S.OSWEGO_115_5-OS	5	115	209	239	239	25508
OSWEGO_-S.OSWEGO_115_8-OS	8	115	478	478	478	25509
OSWEGO_-VOLNEY__345_11-OV	11	345	1278	1410	1792	25199
OSWEGO_-VOLNEY__345_12-OV	12	345	1278	1410	1792	25201
PACKARD__230/115_BK 4	4	230	168	210	250	25415
PACKARD__230_115_BK 3	3	230	169	210	250	25414
PACKARD_-NIAGBLVD_115_181-1	922	115	146	160	178	26055
PACKARD_-SAWYER__230_77	78	230	680	747	836	25164
PACKARD_-SAWYER__230_77	78	230	680	747	836	25164
PACKARD_-SAWYER__230_78	77	230	680	747	836	25195
PACKARD_-SAWYER__230_78	77	230	680	747	836	25195
PACKARD_-WALCK_RD_115_129	129	115	239	301	301	25906
PACKARD_-WALCK_RD_115_129	129	115	239	301	301	25906
PACKARD_-WALCK_RD_115_129	129	115	239	301	301	25906
PALMITER-BENNETT__115_932	157	115	95	100	111	26165
PANNELL__345/115_BK 1	.	345	280	320	330	25396
PANNELL__345/115_BK 2	.	345	280	320	330	25431
PANNELL__345/115_BK 3	.	345	280	320	330	25572
PANNELL_-CLAY____345_PC1	1	345	1195	1314	1673	25058
PANNELL_-CLAY____345_PC2	2	345	1195	1314	1434	25050
PANNELL_-FARMGTN__115_4-FP	4	115	265	293	317	25080
PANNELL_-PITSFRDB_115_25	25	115	139	145	162	26285
PANNELRG-PITSFRDC_115_24	24	115	156	171	182	26284
PEARLRVR-MONTVALE_69__491	49	69	141	154	160	26273
PETERBOR_ONEIDA__115_5	5	115	141	144	165	25896
PILGRIM_-HAUPPAUG_138_871	871	138	348	426	428	25550
PILGRIM_-HOLTSVLE_138_881	881	138	583	641	712	25537
PITSFRDB-QUAKERRD_115_23-1	23	115	176	180	180	26288
PLATSBG2-SARANAC__115_PS1	.	115	128	148	170	25078
PLATTSBURGH PMLD #2	.	115	179	179	224	69888
PLSNTVLE_345/13__BK 1	1	138	64	70	70	25477
PLSNTVLE_345/13__BK 2	2	138	64	70	70	25478
PLSNTVLE-DUNWODIE_345_W89	.	345	1976	2282	2538	25182
PLSNTVLE-DUNWODIE_345_W90	.	345	1976	2282	2538	25250
PLSNTVLY-EFISHKIL_345_F36	.	345	1976	2384	2895	25256
PLSNTVLY-EFISHKIL_345_F37	.	345	1976	2384	2895	25257
PLSNTVLY-FISHKPLN_115_C_A	.	115	174	190	202	26210
PLSNTVLY-FISHKPLN_115_C_A	.	115	174	190	202	26210
PLSNTVLY-INWOOD__115_X-1	.	115	194	213	237	26209
PLSNTVLY-MANCHSTR_115_M	.	115	238	262	291	26208
PLSNTVLY-SMITHFLD_69__E	.	69	64	70	74	25629
PLSNTVLY-SMITHFLD_69__E	.	69	64	70	74	25629

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
PLSNTVLY-SMITHFLD_69_E	.	69	64	70	74	25629
PLSNTVLY-WOOD_ST_345_F30	.	345	1976	2384	2895	25237
PLSNTVLY-WOOD_ST_345_F31	.	345	1976	2384	2895	25238
PLSTVYCH_345_115_BK S1	.	345	478	478	478	25382
POLETTI_-E13THSTA_345_Q35L	.	345	598	675	1595	25134
POLETTI_-E13THSTA_345_Q35M	.	345	598	675	1595	25142
PORTJEFF-HOLBROOK_138_862	862	138	350	384	427	25539
PORTJEFF-HOLBROOK_138_886	886	138	301	331	419	25540
PYRITES_-COLTON__115_7-PC	7	115	93	101	107	26086
PYRITES_-COLTON__115_7-PC	7	115	93	101	107	26086
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093
QUAKERRD-PANNELL__115_914	914	115	265	295	335	25261
QUENBRDG-VERNON__138_31281	31282	138	355	508	602	25159
QUENBRDG-VERNON__138_31282	31281	138	368	570	602	25160
QUENSBRY-CEDAR__115_10	6	115	141	144	159	26140
QUENSBRY-SHERMAN__115_17-QS	17	115	141	144	159	26142
RAINEY_-FARRAGUT_345_61	63	345	758	866	1113	25152
RAINEY_-FARRAGUT_345_62	62	345	796	898	1135	25253
RAINEY_-FARRAGUT_345_63	61	345	758	866	1113	25254
RAINEY_-VERNON__138_36311	36311	138	321	368	422	25296
RAINEY_-VERNON__138_36312	36312	138	286	328	374	25297
RAMAPO__345_138_BK 1300	1300	345	451	546	619	25441
RAMAPO__345_138_BK 2300	2300	345	451	546	619	25442
RAMAPO__345_345_PAR3500	.	345	588	840	1113	25370
RAMAPO__345_345_PAR4500	.	345	588	840	1113	25371
RAMAPO__500/345_BK 1500	1500	345	1160	1419	1925	25656
RAMAPO_-BUCHAN_N_345_Y94	.	345	1822	2010	2555	25184
RAMAPO_-LADENTWN_345_W72	.	345	1822	2010	2555	25233
REYNOLDS_345/115_BK 2	.	345	585	676	796	25403
REYNOLDS-ALPS__345_1-AR	1	345	585	676	796	25587
REYNOLDS-GREENBSH_115_9-RG	9	115	304	318	318	26129
RIDGE_RD-HILLSIDE_115_963	963	115	133	145	149	26190
RIDGE_RD-HILLSIDE_115_978-1	978	115	133	149	162	26191
RIVERSDE-REYNOLDS_115_4-RRT	4	115	239	239	239	26144
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065
ROCHESTR_345/115_BK 3	.	345	286	320	360	25446
ROCHESTR_345_115_BK 1	.	345	268	324	402	25412
ROCHESTR_345_115_BK 2	.	345	291	342	360	25432
ROCHESTR-PANNELL__345_RP1	1	345	1591	1745	1904	25192
ROCHESTR-PANNELL__345_RP2	2	345	1591	1745	1904	25172
ROCKTVRN_345_115_BK TR1	.	345	485	530	530	25406
ROCKTVRN_345_115_BK TR3	.	345	485	533	560	26168
ROCKTVRN-RAMAPO__345_77	77	345	1822	2010	2390	25183
ROCKTVRN-SUGRLOAF_115_SL	.	115	179	196	206	25420
ROME__-ONEIDA__115_1-RO	1	115	168	187	216	26112

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
ROME__-ONEIDA__115_1-RO	1	115	168	187	216	26112
RONKOKMA-HOLBROOK_138_875	875	138	501	553	703	25541
ROSA_RD_-GE_R&D__115_14	14	115	194	213	237	26145
ROSETON_-EFISHKIL_345_305	305	345	2527	2773	3137	25108
ROSETON_-ROCKTVRN_345_311	311	345	1712	1885	1912	25069
ROTTRDAM_230/115_BK 7		230	346	396	448	25392
ROTTRDAM_230/115_BK 8		230	377	427	474	25413
ROTTRDAM_230_115_BK 6		230	406	447	585	25407
ROTTRDAM-BURD_STE_115_19-RB	19	115	128	135	152	26146
ROTTRDAM-BURD_STW_115_17-RB	17	115	141	144	165	25129
ROTTRDAM-CURRY_RD_115_11	11	115	141	144	165	25869
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147
ROTTRDAM-SWAGTN_E_115_1	1	115	238	238	238	26430
ROTTRDAM-SWAGTN_W_115_2	2	115	238	238	238	26429
ROTTRDAM-WOODLAWN_115_35	12	115	141	144	165	25865
ROTTRDAM-WOODLAWN_115_35	12	115	141	144	165	25865
RULAND__-HOLBROOK_138_882	882	138	502	553	698	25538
RYNDS_HL-INWOOD__115_55	55	115	246	260	282	26248
S HERO__-PLATSBURG_115_PV20		115	178	197	269	25027
S.OSWEGO-HAMRHILL_115_6-IH	6	115	141	144	165	25513
S.OSWEGO-HAMRHILL_115_6-IH	6	115	141	144	165	25513
S.OSWEGO-HAMRHILL_115_6-IH	6	115	141	144	165	25513
S.OSWEGO-HAMRHILL_115_6-IH	6	115	141	144	165	25513
S.OSWEGO-NINEMILE_115_1-SN	1	115	120	120	159	25501
S.OSWEGO-NINEMILE_115_1-SN	1	115	120	120	159	25501
S.OSWEGO-NINEMILE_115_1-SN	1	115	120	120	159	25501
S.OSWEGO-NINEMILE_115_1-SN	1	115	120	120	159	25501
S.OWEGO_-GOUDEY__115_961	961	115	143	157	167	25725
S.OWEGO_-NWAVERLY_115_962-2	962	115	143	157	167	25727
S.OWEGO_-NWAVERLY_115_962-2	962	115	143	157	167	25727
S.PERRY_-MEYER__115_933	933	115	92	100	104	26193
S.PERRY_-MEYER__115_934	934	115	106	116	120	26194
S.RIPLEY-DUNKIRK_230_68	68	230	511	564	637	25045
SANDSTON-COLTON__115_5-SC	5	115	222	234	278	26085
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SBATAVIA-GOLAH__115_119	119	115	168	185	196	26012
SCRIBA__345/25_23-GSU2	23	345	1151	2242	2390	70513
SCRIBA__-FITZPTRK_345_FS-10		345	1434	1434	1912	25076
SCRIBA__-VOLNEY__345_20-SV	20	345	1474	1626	1881	25204
SCRIBA__-VOLNEY__345_21-SV	21	345	1912	1912	1912	25314
SENECA_A-GARDNVLB_230_71	71	230	223	254	262	25856

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
SENECA_B-GARDNVLB_230_72	72	230	223	254	262	25857
SGOSHEN_-SHOEMAKR_69_24	24	69	83	90	94	26690
SGOSHEN_-SHOEMAKR_69_25	25	69	83	90	94	26692
SGOSHEN_-SHOEMAKR_69_25	25	69	83	90	94	26692
SHENDOAH-EFISHKIL_115_EF		115	242	266	292	26251
SHERMAN_-SPIERFLS_115_17-SS	17	115	141	144	159	26148
SHERMCRK-E179THST_138_15031	15032	138	184	259	401	25156
SHERMCRK-E179THST_138_15032	15031	138	184	259	401	25157
SHOEMAKR-CHESTROR_138_27	27	69	282	309	321	26466
SHOEMAKR-CHESTROR_138_27	27	69	282	309	321	26466
SHOEMAKR-MONGAUP_69_12	12	69	66	76	84	26693
SHOEMAKR-MONGAUP_69_13_131	13	69	66	76	84	26467
SHORE_RD_345/138_BK 1		345	522	641	731	25439
SHORE_RD_345/138_BK 2		345	522	641	731	25440
SHORE_RD-GLENWD__138_365	365	138	572	628	698	25205
SHORE_RD-GLENWD__138_366-1	366	138	572	628	698	25154
SHORE_RD-LAKSUCSS_138_367	367	138	258	377	623	25145
SHORE_RD-LAKSUCSS_138_368	368	138	258	377	623	25150
SHOREHAM-BROOKHVN_138_861	861	138	501	553	678	25114
SHOREHAM-MILLERPL_138_879	879	138	501	553	678	25117
SHOREHAM-WILDWOOD_138_863	863	138	555	590	678	25115
SLEIGHT__115/34__BK 1		115	43	51	67	70523
SLEIGHT__115/34__BK 2		115	43	51	67	70524
SLEIGHT_-CLYDE____115_971(3)	971	115	133	149	159	26686
SMAHWAH_-RAMAPO__345_69	69	345	1601	2010	2271	25021
SMAHWH_B-RAMAPO__345_70	70	345	1822	2010	2555	25259
SMITHFLD-FALLS VG_69_690		69	28	28	28	25619
SPARKILL - CLOSTER	751	69	81	88	92	69314
SPARKILL - CLOSTER	751	69	81	88	92	69314
SPARKILL - CLOSTER	751	69	81	88	92	69314
SPIERFLS-BUTLER__115_4-SFB	4	115	128	135	152	26136
SPIERFLS-MOHICAN__115_7-SFM	7	115	141	144	159	26435
SPIERFLS-QUENSBRY_115_5-SFQ	5	115	128	135	152	26141
SPIERFLS-QUENSBRY_115_5-SFQ	5	115	128	135	152	26141
SPRNBRK_-DUNWODIE_138_99941	99941	138	381	451	472	25245
SPRNBRK_-DUNWODIE_138_99942	99942	138	381	451	472	25246
SPRNBRK_-DUNWODIE_345_W75		345	2838	3185	3662	25071
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-EGRDNCTR_345_Y49		345	693	940	1360	25105
SPRNBRK_-TREMONT__345_X28		345	524	710	973	25175
SPRNBRK_-W49TH_ST_345_M51		345	737	968	1312	25053

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
SPRNBK_-W49TH_ST_345_M52		345	737	968	1312	25223
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
ST_139_A-DUNKIRK__115_141-2	141	115	107	117	123	26026
STA_162_-S.PERRY__115_906- 7X		115	125	152	180	25062
STA_162_-STA_158__115_924	924	115	155	171	181	26653
STA_204_-S42____115_911-2	911	115	213	233	237	26307
STA_33_-MORTIMER_115_901-2	901	115	222	234	278	25097
STA_67_-ROCHESTR_115_922	922	115	279	297	301	26321
STA_82_-MORTIMER_115_7X8272		115	337	426	480	25098
STATE_ST-WRGHTAVE_115_976	976	115	231	239	239	26200
STERLING-RULAND__138_663	663	138	245	304	319	26498
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127
STOLLERD_345/115_BK 3		345	347	415	420	25461
STOLLERD_345/115_BK 4		345	356	420	420	25462
STOLLERD-MEYER____230_67	67	230	512	564	606	25064
STRUGNPL-BOULEVRD_69__N		69	54	56	63	26211
STRUGNPL-OHIOVLE_69__O		69	49	52	58	26246
SUGRLOAF-RAMAPOOR_138_26	26	138	314	343	356	25326
SUNY_77_-GARDNVLB_230_79-1	79	230	691	760	848	25165
SUNY_78_-GARDNVLB_230_80-1	80	230	691	760	848	25196
SWAGTN_E-BALLSTNE_115_1	1	115	238	238	238	26125
SWAGTN_W-BALLSTNW_115_2	2	115	238	238	238	26124
SWANRD_4-LOCKPORT_115_104-2	104	115	199	199	199	26050
SWEDEN_A-MORTIMER_115_111-2	111	115	129	149	153	25347
SYLVANLK-PAWLING__115_990	990	115	179	179	179	26156
SYOSSET_-LOCUSTGR_138_559	559	138	555	590	678	25904
TAYLORVL-BULYMO__115_6	6	115	128	135	152	26070
TAYLORVL-BULYMO__115_6	6	115	128	135	152	26070
TAYLORVL-LOWVILLE_115_5-TL	5	115	128	135	152	26107
TEALLAVE-ASH____115_7-TA	7	115	123	148	148	26063
TEALLAVE-ASH____115_8-AT	8	115	123	148	148	26117
TEALLAVE-BM_CC_GM__115_6	6	115	227	239	239	26154
TEALLAVE-BM_CC_GM__115_6	6	115	227	239	239	26154
TEALLAVE-BM_CC_GM__115_6	6	115	227	239	239	26154
TEALLAVE-BM_CC_GM__115_6	6	115	227	239	239	26154
TEALLAVE-ONEIDA__115_2-OT	2	115	141	144	159	25895
TELGRAPH-MORTIMER_115_114-2	114	115	129	149	153	25349
TELGRAPH-MORTIMER_115_114-2	114	115	129	149	153	25349
TEMPLE_-PEAT ST__115_10-TP	10	115	207	233	233	26715

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
TILDEN__-DEWITT__115_19-TD	19	115	222	234	239	26092
TILDEN__-DEWITT__115_19-TD	19	115	222	234	239	26092
TILDEN__-DEWITT__115_19-TD	19	115	222	234	239	26092
TREMONT__138A_138B_BK 11		138	310	350	395	25649
TREMONT__138C_138D_BK 12		138	310	350	395	25650
TREMONT__345_138_BK 11		345	255	339	409	25473
TREMONT__345_138_BK 12		138	258	337	409	25474
VALLEY__-INGHAM_C_115_3-VI	3	115	141	144	159	26106
VALLEY__-INGHAM_C_115_3-VI	3	115	141	144	159	26106
VALLYSTR-BARRETT__138_291	291	138	261	332	422	25312
VALLYSTR-BARRETT__138_292	292	138	261	332	422	25313
VALLYSTR-EGRDNCTY_138_262	262	138	245	319	421	25244
VERNON__-KENTAVE__138_31231-1		138	177	254	394	25337
VERNON__-KENTAVE__138_31232-1		138	177	254	394	26123
VOLNEY__-CLAY____345_6-CV	6	345	1474	1626	1881	25198
VOLNEY__-MARCY____345_19	19	345	1434	1793	2297	25345
W49TH_ST-E13THSTA_345_M54		345	828	920	1312	25228
W49TH_ST-E13THSTA_345_M55		345	828	920	1312	25222
WADNGRIV-SHOREHAM_138_891	891	138	501	553	678	25342
WALDWICK-SMAHWAH__345_J3410		345	645	914	1189	25032
WALDWICK-SMAHWH_B_345_K3411		345	670	956	1249	25039
WARREN__-FALCONER_115_171	171	115	96	136	136	25015
WATRCURE_345_230_BK 1		345	494	590	600	25402
WATRCURE-OAKDALE__230_71	71	230	318	435	440	25179
WATRCURE-OAKDALE__230_71	71	230	318	435	440	25179
WATRCURE-OAKDALE_345_31	31	345	1076	1076	1076	25178
WHAVSTOR-LOVETT__138_53	53	138	282	309	321	25884
WHAVSTOR-LOVETT__138_54	54	138	282	309	321	25885
WHAVSTRW_345_138_BK 194		345	451	546	619	25447
WHITEHAL-COMSTKNM_115_13-MW	13	115	141	144	159	25903
WILLET__-ENORWICH_115_945-1	945	115	133	149	162	25732
WILLIS__230/115_BK 1		230	172	201	225	25388
WILLIS__230/115_BK 2		230	172	201	225	25390
WILLIS__-BRNDSVLE_115_1	911	115	149	171	184	26204
WILLIS__-BRNDSVLE_115_1	911	115	149	171	184	26204
WILLIS__-PLATSBRG_230_WP1		230	217	230	252	25272
WILLIS__-PLATSBRG_230_WP2		230	217	230	252	25273
WILLWBRK-FRESHKLS_138_29211-2		138	195	286	463	25319
WILLWBRK-FRESHKLS_138_29212-2		138	195	286	463	25320
WOLF_RD_-MENANDS__115_10	10	115	128	135	152	26255
WOLF_RD_-MENANDS__115_10	10	115	128	135	152	26255
WOOD_ST__345/115_BK 1		345	378	420	420	25437
WOOD_ST__345/115_BK 2		345	375	420	420	25438
WOOD_ST_-AMAWALK__115_996	996	115	261	287	311	25574
WOOD_ST_-MILLWOOD_345_W80		345	1976	2384	2895	25148

WINTER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
WOOD_ST_-MILLWOOD_345_W81	.	345	1976	2384	2895	25525
WOOD_ST_-PLSNTVLE_345_Y87	.	345	2401	3031	3406	25132
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195
WWDBURNE_115/69__BK 1	.	115	50	50	50	25404
WWDBURNE-HONK_FLS_69__WH2	.	69	51	56	59	26234
WWDBURNE-HONK_FLS_69__WH2	.	69	51	56	59	26234
WWDBURNE-NVRSK_TP_69__WH1-3+860L	.	69	51	56	59	26245
WYNTKLN-REYNOLDS_115_13-WR	13	115	227	248	268	26143
ZIMMERM1-HUNTLEY__115_130-1	130	115	211	217	239	26043

APPENDIX E

INTERFACE DEFINITIONS

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NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

CENTRAL EAST		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	UNS-18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
*Plattsburgh - Grand Isle	PV-20	115
East Springfield - Inghams*	942	115
Inghams Bus Tie	PAR	115

TOTAL EAST		
Mohawk Valley-Capital/ Hudson Valley		
Name	Line ID	Voltage (kV)
Coopers-Middletown*	CCRT-34	345
Coopers-Rock Tavern*	CCRT-42	345
Edic-New Scotland*	14	345
*Fraser-Gilboa	35	345
Marcy-New Scotland*	UNS-18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	942	115
Inghams Bus Tie	PAR	115
West Woodbourne*115/69	T152	115/69
PJM East-Capital/Hudson Valley		
Branchburg-Ramapo*	5018	500
*Waldwick- S.Mahwah	J3410	345
* Waldwick-S.Mahwah	K3411	345
PJM East-New York City		
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
Adirondack-ISO-NE		
*Plattsburgh-Grand Isle	PV-20	115
PJM (Rockland Electric) – Hudson Valley		
Closter – Sparkill	751	69
Harings Corners – W. Nyack	701	69
Harings Corners – Burns	702	138
Montvale – Pearl River	491	69
Harings Corners – Pearl River	45	34
S. Mahwah – Ramapo	51	138
S. Mahwah - Hilburn	65	69
S. Mahwah 138/345	BK258	138/345
PJM East-Long Island		
Raritan River –Newbridge Road	Neptune HVdc	345

* indicates the metered end of circuit

MOSES SOUTH		
Adirondack-Mohawk Valley		
Name	Line ID	Voltage (kV)
*Massena-Marcy	MSU1	765
*Moses-Adirondack	MA-1	230
*Moses-Adirondack	MA-2	230
*Dennison-Colton	4	115
*Dennison-Colton	5	115
*Alcoa-N. Ogdensburg	13	115
Malone-Colton*	3	115

DYSINGER EAST		
Frontier-Genessee		
Name	Line ID	Voltage (kV)
*AES Somerset-Rochester (Sta 80)	SR-1/39	345
Niagara-Rochester*	NR2	345
*Andover - Palmiter	932	115
*Lockport-Batavia	107	115
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Sweden 3	113	115
*Lockport-Telegraph	114	115
Frontier-Central		
*Stolle-Meyer	67	230

WEST CENTRAL		
Genessee-Central		
Name	Line ID	Voltage (kV)
Pannell Road-Clay*	PC-1	345
Pannell Road-Clay*	PC-2	345
*Andover - Palmiter	932	115
*Quaker-Macedon	930	115
*Mortimer-Hook Rd- Elbridge	1/7	115
*Mortimer-Elbridge	2	115
*Pannell-Farmington	4	115
*Station 121-Sleight Road	13	115
*St. 162 - S. Perry	906	115
*Clyde 199-Sleight Rd		115
*Clyde 199-Clinton Corn		115
Hook Rd (RGE-NMPC)	TB#3	34.5/115
(Farmington 34.5/115kV)	#7	34.5/115
(Farmtn 34.5/115kV&12/115 kV)	#4	34.5/115 & 12/115
Frontier-Central		
*Stolle-Meyer	67	230

* indicates the metered end of circuit

UPNY-CONED		
Hudson Valley-Millwood		
Name	Line ID	Voltage (kV)
Ladentown-Buchanan South*	Y88	345
*Pleasant Valley-Wood St.	F30	345
*Pleasant Valley-E. Fishkill	F36	345
*Pleasant Valley-E. Fishkill	F37	345
*Pleasant Valley-Millwood	F31	345
*Ramapo-Buchanan North	Y94	345
Roseton-E. Fishkill*	305	345
East Fishkill – Sylvan Lake	A/990	115
East Fishkill 115/345		115/345

SPRAIN BROOK-DUNWOODIE SOUTH		
Dunwoodie-NYC		
Name	Line ID	Voltage (kV)
*REAC71- Mott Haven	3	345
*REAC72- Mott Haven	4	345
Sprain Brook-Tremont*	28	345
*Sprain Brook-West 49th Street	M51	345
*Sprain Brook-West 49th Street	M52	345
Dunwoodie-Sherman Creek*	99032	138
*Dunwoodie-Sherman Creek	99031	138
*Dunwoodie-East 179th Street	99153	138
Long Island-NYC		
*Lake Success-Jamaica	903	138
*Valley Stream-Jamaica	901L/M	138

NYISO-ISONE		
North-ISONE		
Name	Line ID	Voltage (kV)
*Plattsburgh-Grand Isle	PV-20	115
Capital-ISONE		
*Alps-Berkshire	393	345
Rotterdam-Bear Swamp*	E205W	230
*Hoosick -Bennington	6	115
*Whitehall-Blisspar (Velco)	7	115
Hudson Valley-ISONE		
*Pleasant Valley-Long Mountain	398	345
*Smithfield-Salisbury	690	69
Long Island-ISONE		
*Northport-Norwalk	1385	138

* indicates the metered end of circuit

PJM-NYISO		
PJM East-NYC		
Name	Line ID	Voltage (kV)
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West-Central		
*Homer City-Watercure	30	345
E. Towanda-Hillside*	70	230
Tiffany-Goudey*	952	115
*E. Sayre-N. Waverly	956	115
PJM West-Frontier		
*Homer City-Stolle Road	37	345
Erie East - South Ripley*	69	230
*Warren-Falconer	171	115
PJM East-Hudson Valley		
Branchburg-Ramapo*	5018	500
*Waldwick-S.Mahwah	J3410	345
*Waldwick-S.Mahwah	K3411	345
PJM (Rockland Electric) - Hudson Valley		
Closter – Sparkill	751	69
Harings Corners – W. Nyack	701	69
Harings Corners – Burns	702	138
Montvale – Pearl River	491	69
Harings Corners – Pearl River	45	34.5
S. Mahwah – Ramapo	51	138
S. Mahwah - Hillburn	65	69
S. Mahwah 138/345	BK258	138/345
PJM East-Long Island		
Netptune DC –New Bridge		345

IESO (Ontario)-NYISO		
Ontario East-North		
Name	Line ID	Voltage (kV)
St. Lawrence-Moses*	L33P	240
St. Lawrence-Moses*	L34P	230
Ontario South-Frontier		
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230

* indicates the metered end of circuit

CONED - LIPA		
Dunwoodie - Long Island		
Name	Line ID	Voltage (kV)
*Dunwoodie-Shore Road	Y50	345
*Sprain Brook-East Garden City	Y49	345
New York City - Long Island		
Jamaica-Valley Stream*	901L/M	138
Jamaica-Lake Success*	903	138

* indicates the metered end

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APPENDIX F

ANNOTATED MUST OUTPUT

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On CD If Requested

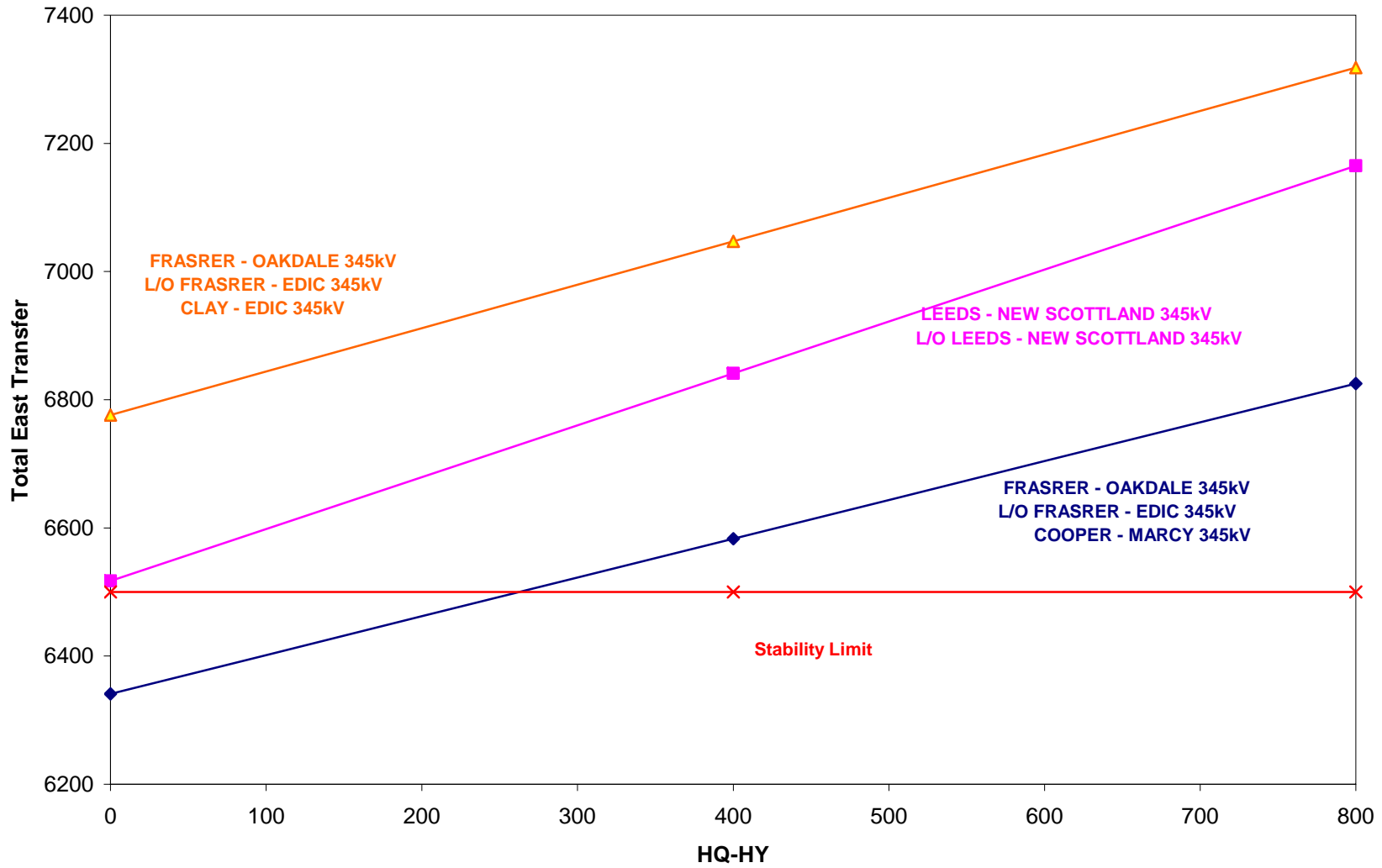
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APPENDIX G
TRANSFER LIMIT SENSITIVITY GRAPHS

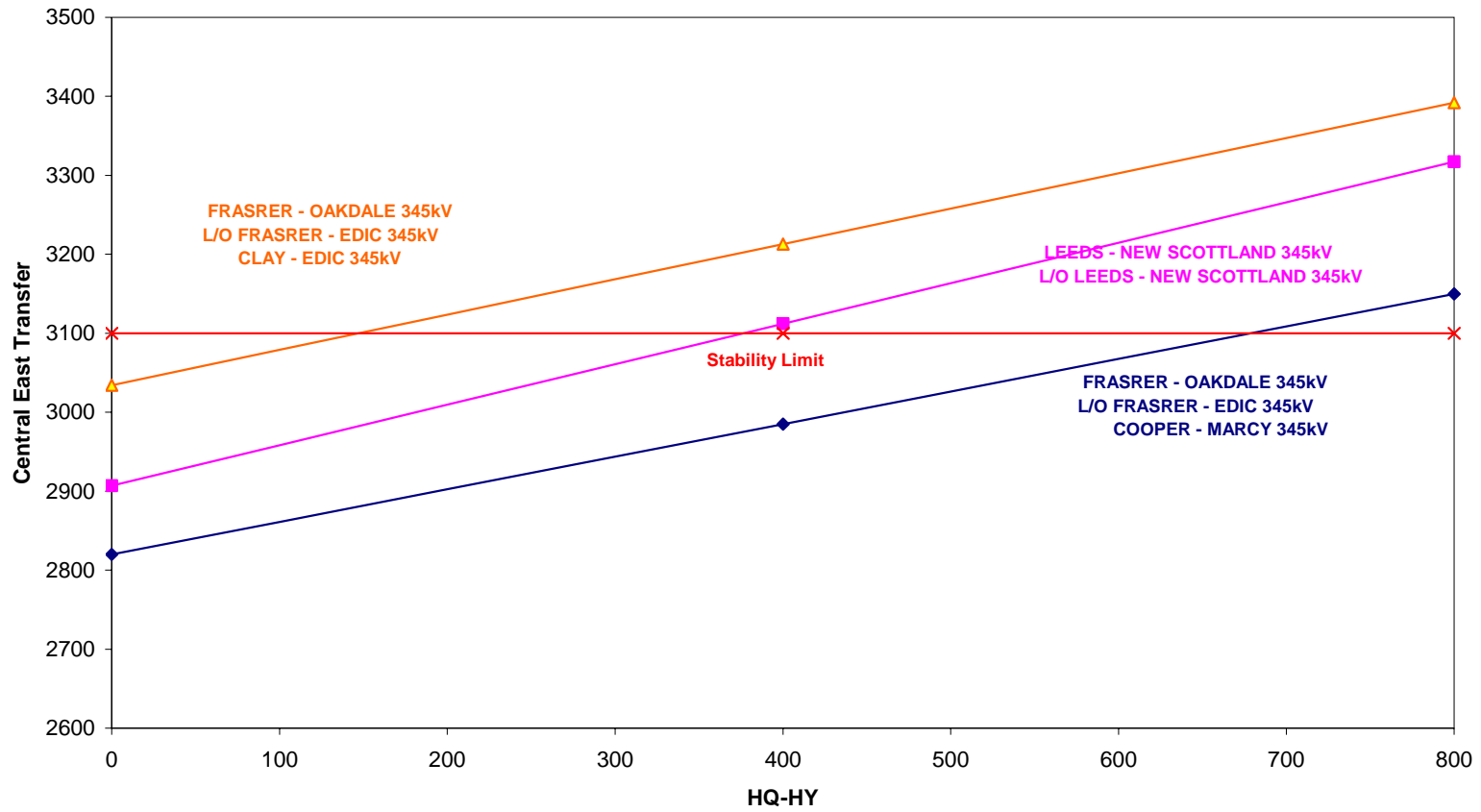
INDEX

1. Total East vs HQ-NY	G-3
2. Central East vs HQ-NY	.....	G-4
3. Total East vs Ramapo Par Flow	.....	G-5
4. Central East vs Ramapo Par Flow	.....	G-6
5. UPNY ConEd vs Ramapo Par Flow	.....	G-7
6. Moses South vs HQ Export to New York	.....	G-8
7. NE-NY 1385 out of service for Normal Transfer	.....	G-9
9. NY-NE 1385 out of service for Normal Transfer	.....	G-10
11. NYISO-IESO (ONTARIO) Transfer vs L33 & L34	.....	G-11
12. IESO (ONTARIO)-NYISO Transfer vs L33 & L34	.....	G-12

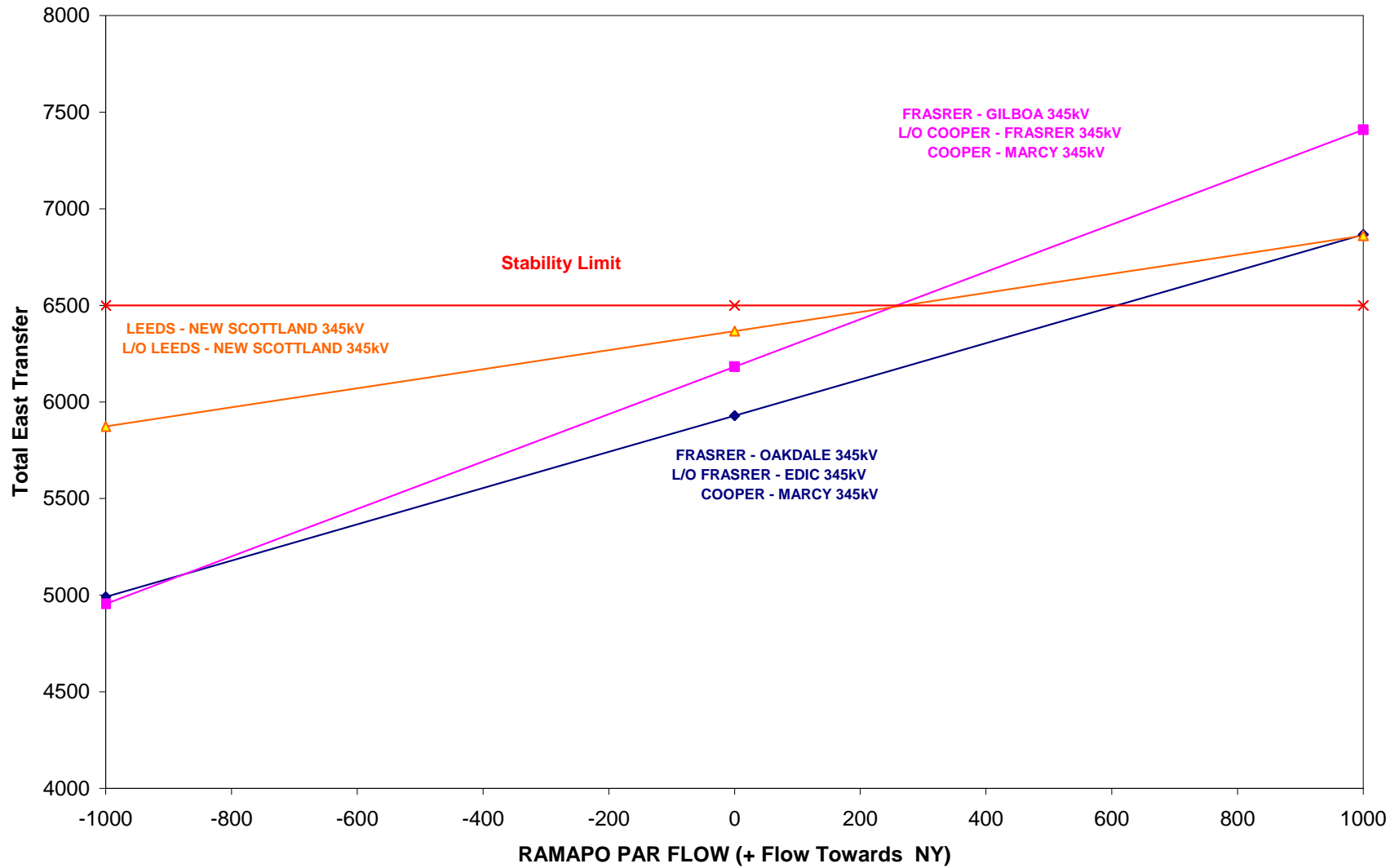
Total EAST vs. HQ For Normal Transfer Criteria Winter 2007



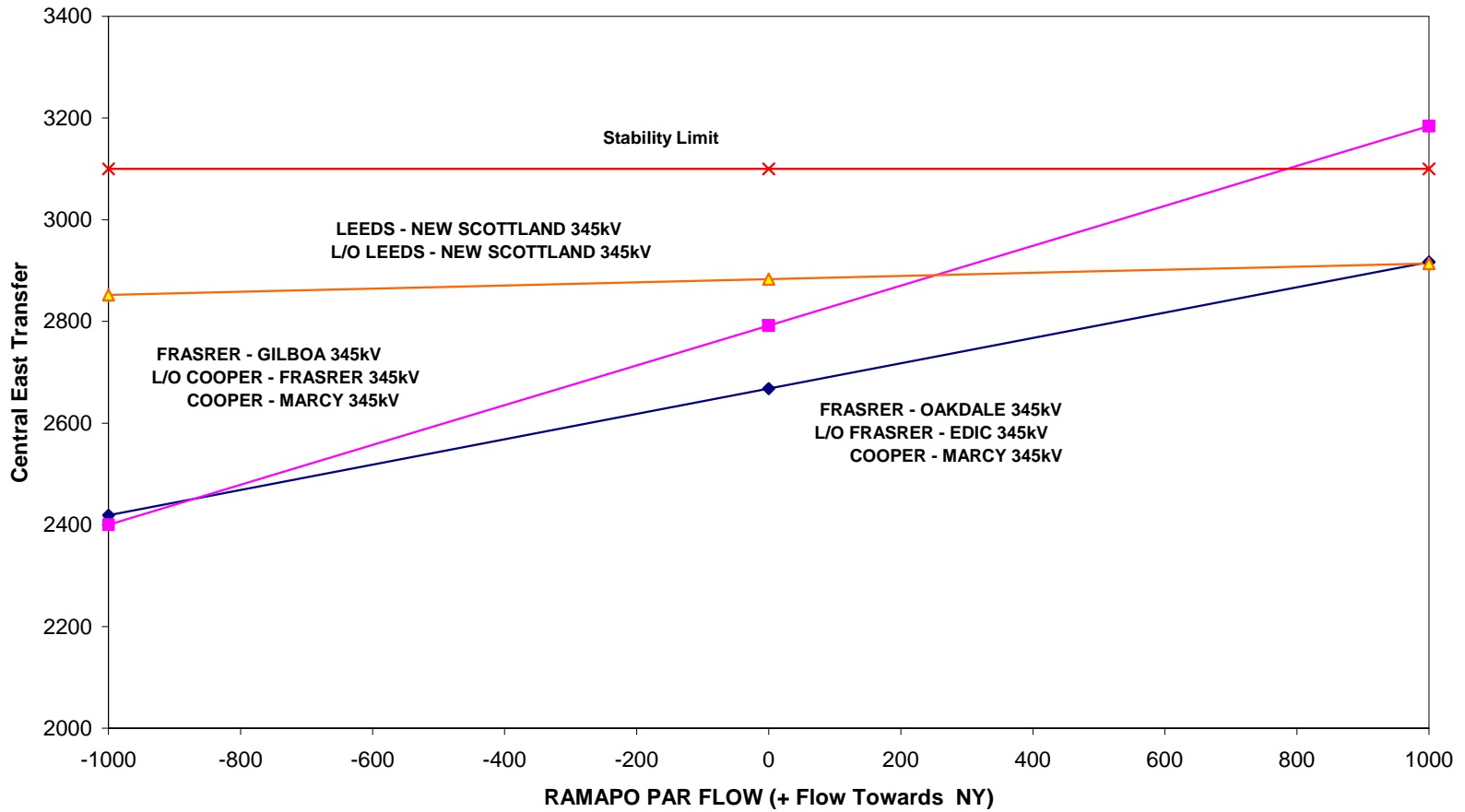
Central East vs. HQ For Normal Transfer Criteria Winter 2007



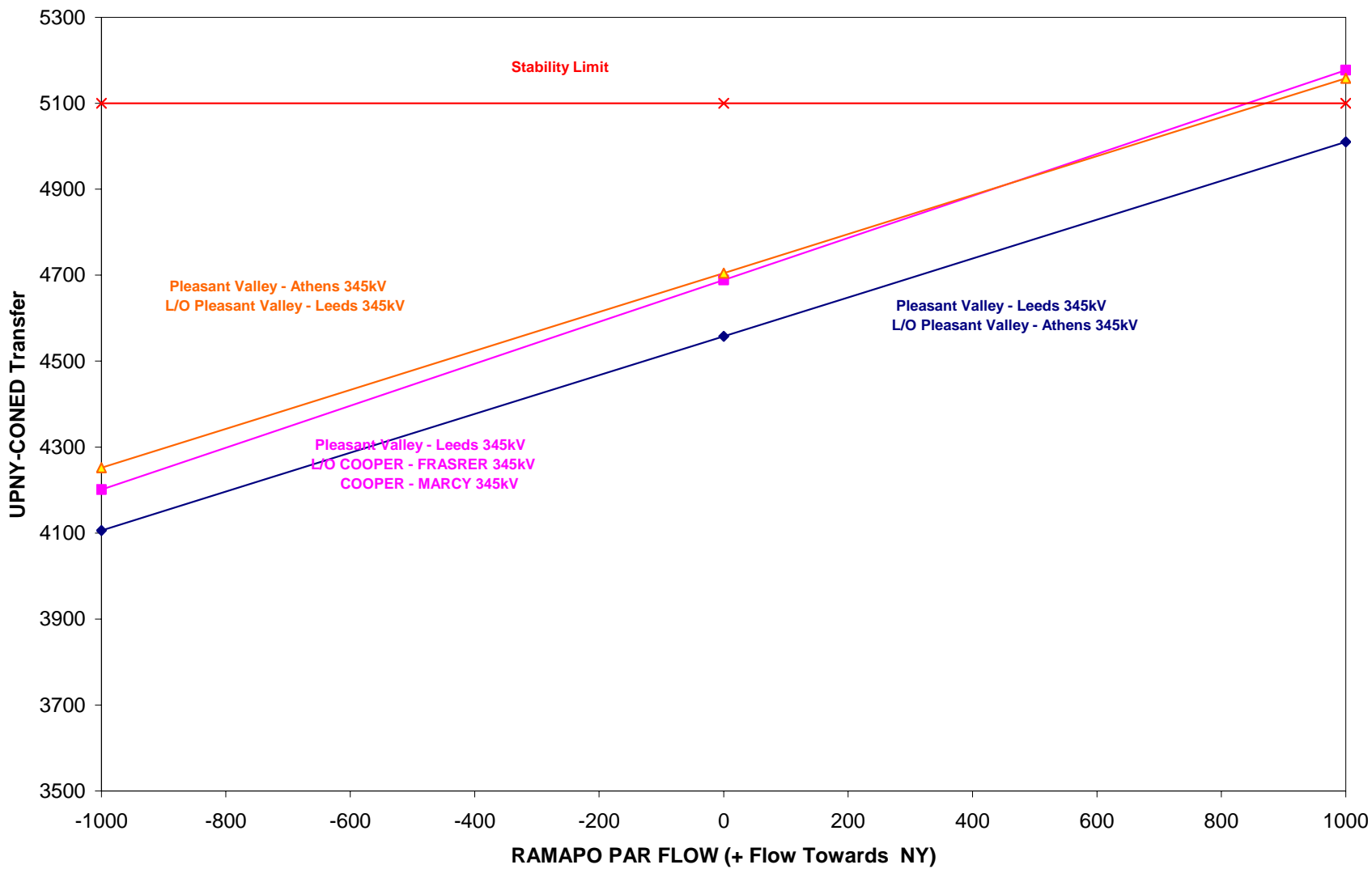
Total EAST vs. RAMAPO PAR FLOW For Normal Transfer Criteria Winter 2007



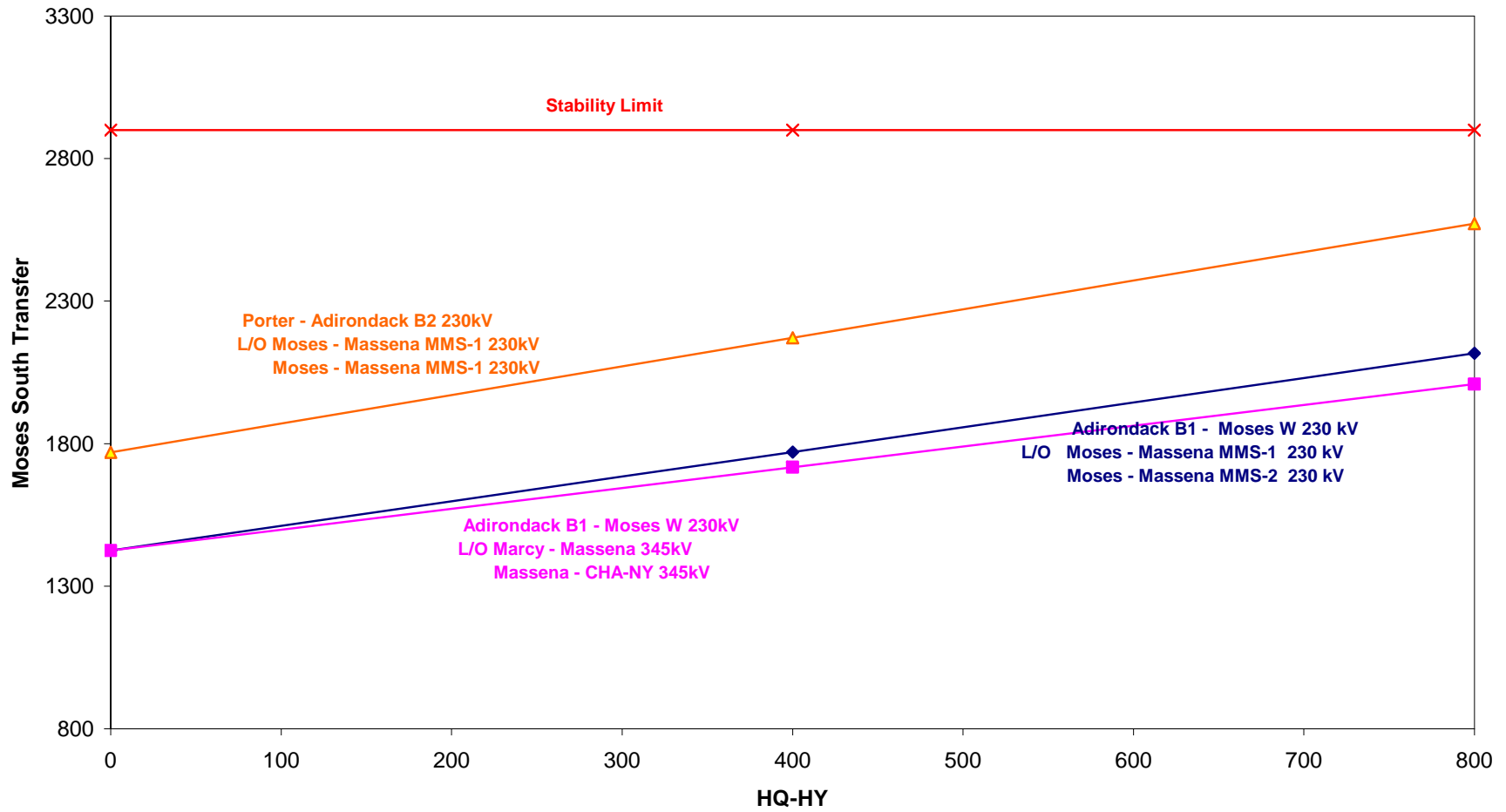
Central EAST vs. RAMAPO PAR FLOW
For Normal Transfer Criteria
Winter 2007



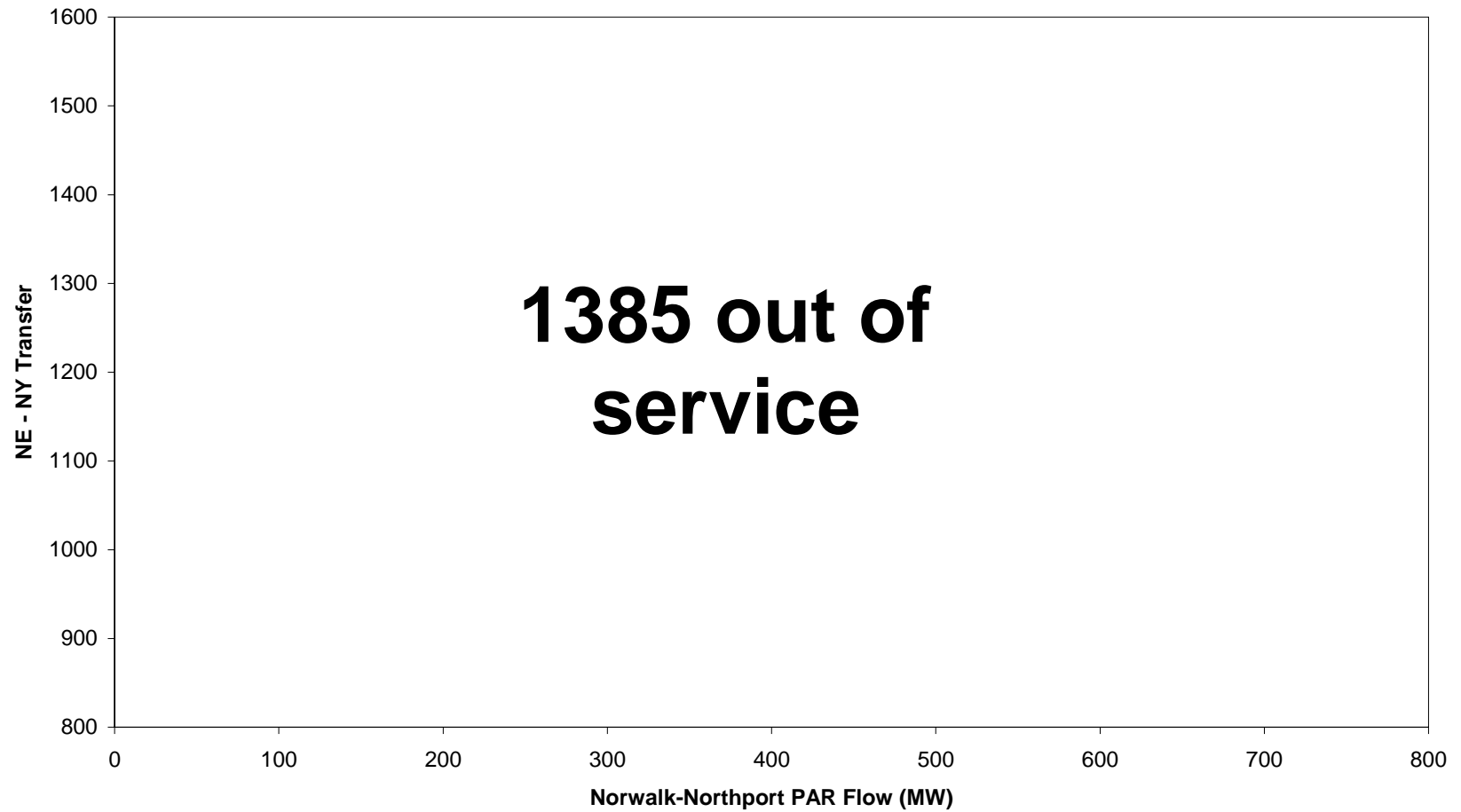
UPNY-ConED vs. RAMAPO PAR FLOW For Normal Transfer Criteria Winter 2007



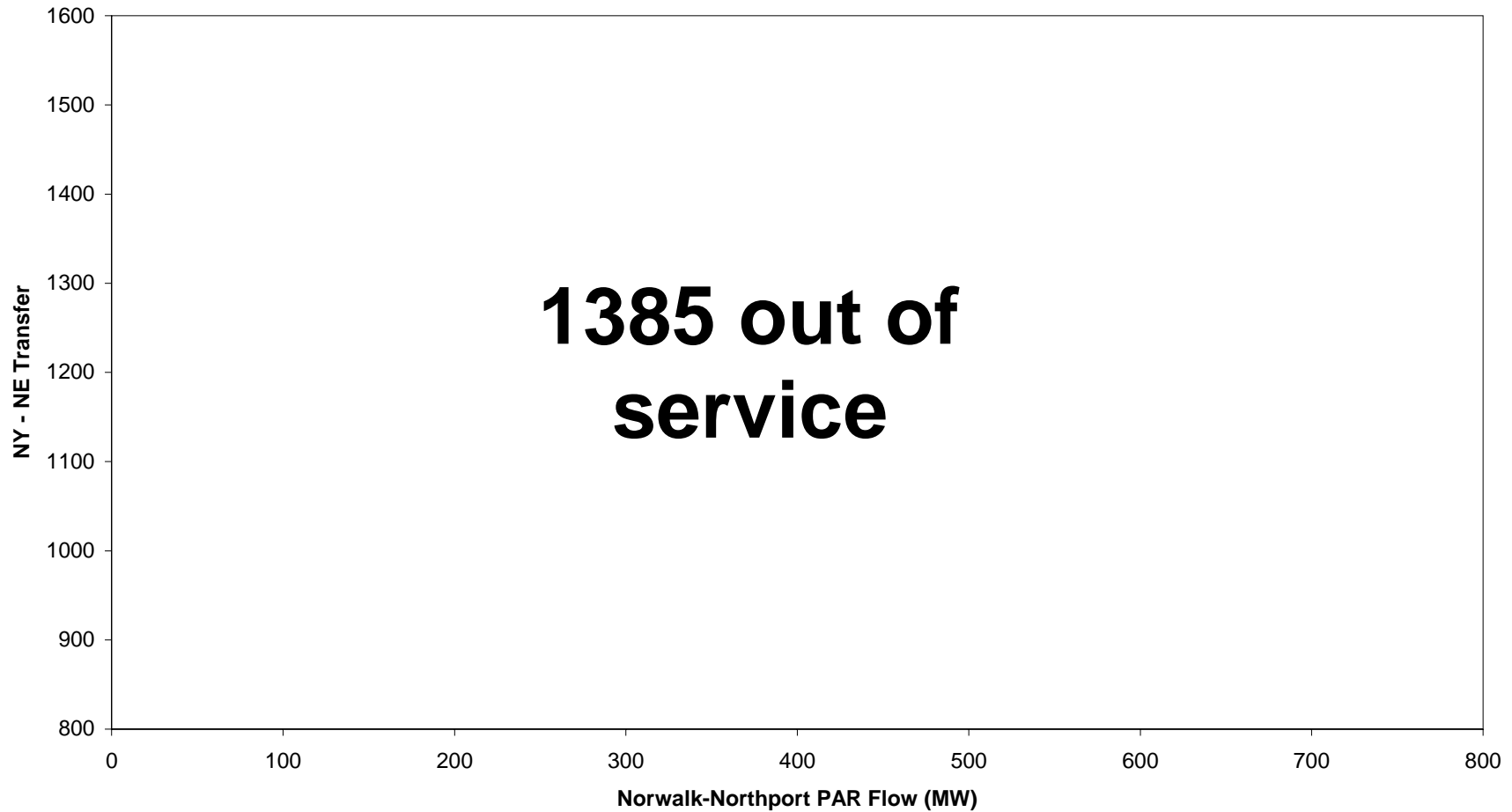
Moses South vs. HQ Export to New York
For Normal Transfer Criteria
Winter 2007



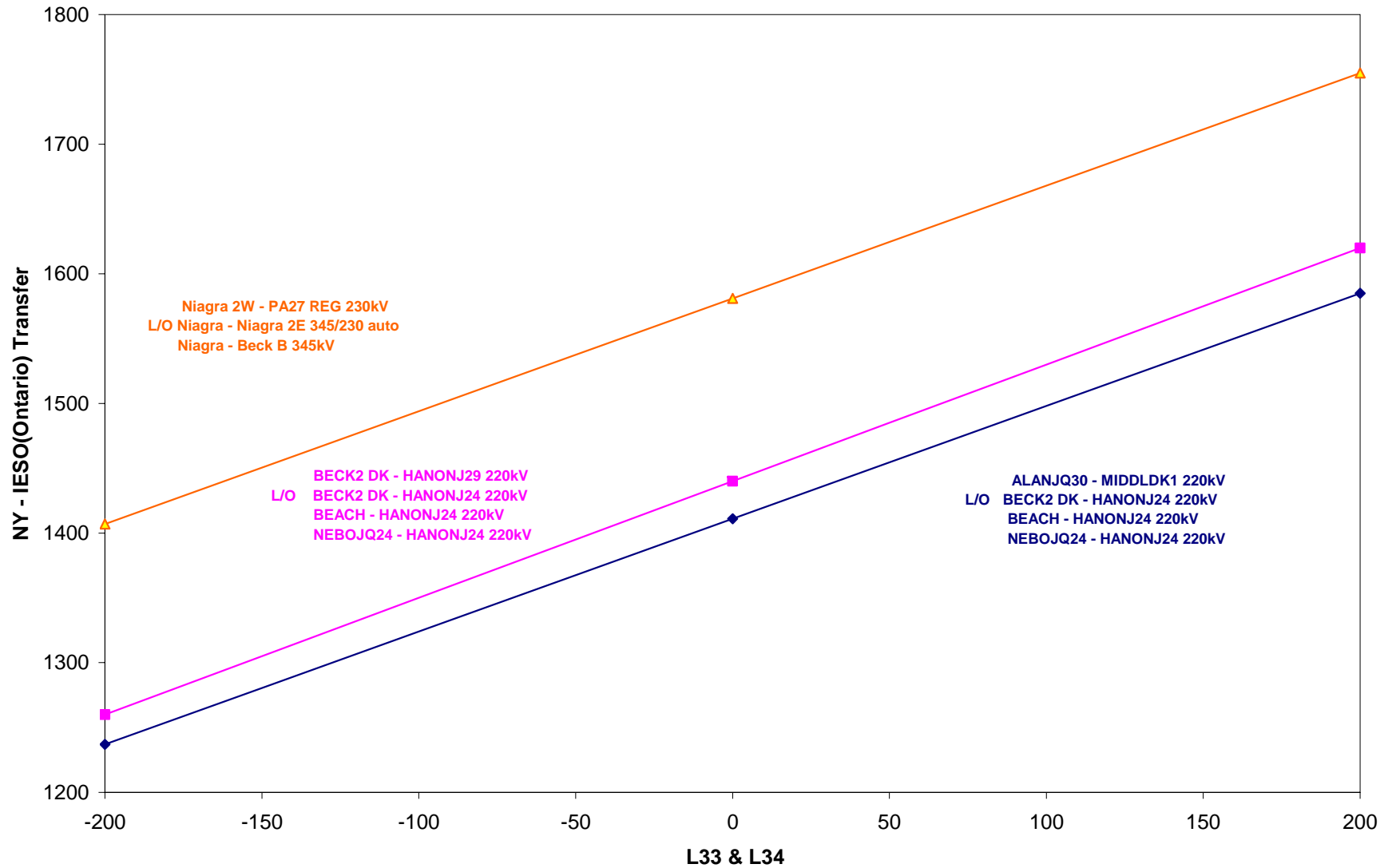
NE-NY vs. NORWALK-NORTHPORT PAR Flow
For Normal Transfer Criteria
Winter 2007



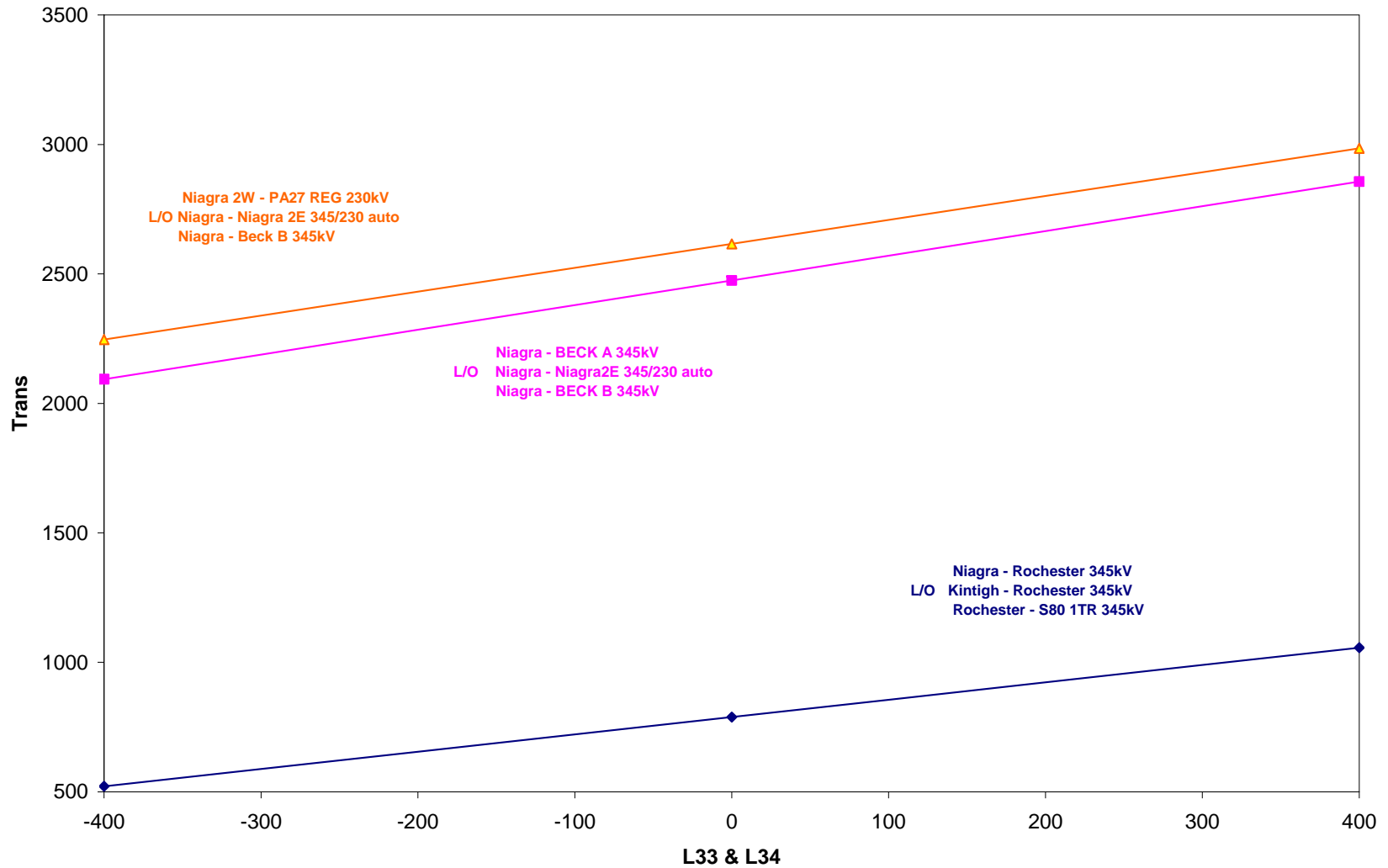
NY-NE vs. NORWALK-NORTHPORT PAR Flow
For Normal Transfer Criteria
Winter 2007



NY- IESO (Ontario) Transfer vs. L33 & L34 For Normal Transfer Criteria Winter 2007



NY- IESO (Ontario) Transfer vs. L33 & L34 For Normal Transfer Criteria Winter 2007



APPENDIX H

**COMPARISON OF TRANSFER LIMITS
WINTER 2007-08 vs. WINTER 2005-06**

Comparison of WINTER 2005-06 to WINTER 2004-05 Thermal Limits

		WINTER 2007-08		WINTER 2005-06		DELTA
Interface	Rating	Limit (MW)	Contingency	Limit (MW)	Contingency	
Dysinger East	Normal	3350	1	3325	1	25
	Emergency	3625	1b	3600	1b	25
West Central	Normal	2550	2	2650	2c	-100
	Emergency	2775	2b	2925	2d	-150
UPNY - ConEd	Normal	4750	4	4650	4	100
	Emergency	5175	4b	5100	4b	75
SprBk/Dun-South	Normal	4125	5c	3825	5	300
	Emergency	4350	5d	4125	5b	225
Con Ed - LIPA	Normal	825	7	925	7	-100
	Emergency	1450	6	1550	6	-100
Central East HQ ----> NY 400 MW	Normal	2975	9c	2975	9a	0
	Emergency	3475	9b	3350	9b	125
HQ ----> NY 0 MW	Normal	2800	9c	2950	9a	-150
	Emergency	3225	3b	3300	3b	-75
Total East HQ ----> NY 400 MW	Normal	6575	9c	5350	9a	1225
	Emergency	7575	9b	6100	9b	1475
HQ ----> NY 0 MW	Normal	6325	9c	5450	9a	875
	Emergency	7200	3b	6150	3b	1050
Moses - South HQ ----> NY 400 MW	Normal	1700	10b	1300	8	400
	Emergency	2225	10c	1750	8c	475
HQ ----> NY 0 MW	Normal	1425	10	1000	8b	425
	Emergency	1925	10c	1425	8c	500

NYISO WINTER 2005-06CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	<u>Limiting Element</u>				<u>Contingency</u>
(1)	Niagara - Rochester (NR-2) 345kV	@LTE	1745 MW	L/O	AES/Somerset - Rochester (SR-1) 345kV
(1b)	Niagara - Rochester (NR-2) 345kV	@STE	1904 MW	L/O	AES/Somerset - Rochester (SR-1) 345kV
(2)	Pannell - Clay 345kV (PC1)	@LTE	1314 MW	L/O	Pannell - Clay 345kV (PC2)
(2b)	Pannell - Clay 345kV (PC1)	@STE	1434 MW	L/O	Pannell 345/115 kV Pannell - Clay 345kV (PC2)
(2c)	Meyer - Stolle 230kV	@LTE	564 MW		Niagara – Rochester (NR2) 345kV
(2d)	Meyer - Stolle 230kV	@STE	606 MW		Niagara – Rochester (NR2) 345kV
(3)	Clay – Edic 345kV	@LTE	1434 MW	L/O	Clay – Edic 345kV
(3b)	Clay – Edic 345kV	@STE	1434 MW	L/O	Clay 345/115kV Clay – Edic 345kV
(4)	Leeds - Pleasant Valley (92) 345kV	@LTE	1783 MW	L/O	Athens - Pleasant Valley (91) 345kV
(4b)	Leeds - Pleasant Valley (92) 345kV	@STE	1912 MW	L/O	Athens - Pleasant Valley (91) 345kV
(5)	Dunwoodie - Rainey 345 kV	@SCUC	992 MW	L/O	Dunwoodie – Rainey 345kV
(5b)	Dunwoodie - Rainey 345 kV	@STE	1113 MW	L/O	Dunwoodie – Rainey 345kV
(5c)	Mott Haven - Rainey 345 kV	@SCUC	968 MW	L/O	Mott Haven - Rainey 345 kV
(5d)	Mott Haven - Rainey 345 kV	@STE	1237 MW		Mott Haven - Rainey 345 kV
(6)	Dunwoodie – Shore Rd. 345 kV	@NOR	664 MW		Pre-Contingency Loading
(7)	Dunwoodie – Shore Rd. 345 kV	@LTE	925MW	L/O	Sprain Brook – E.G.C. (Y49)345 kV
(8)	Porter 2– Chase Lake(Flat Rock 20%) 230 kV	@LTE	376 MW	L/O	Marcy - Massena 765kV Chateauguay - Massena 765kV
(8b)	Porter 2– Chase Lake(Flat Rock 20%) 230 kV	@LTE	376 MW	L/O	Moses - Massena MMS-1 230kV Moses - Massena MMS-2 230kV
(8c)	Porter 2– Chase Lake(Flat Rock 20%) 230 kV	@STE	478 MW		Marcy - Massena 765kV Chateauguay - Massena 765kV
(9a)	New Scotland - Leeds (93) 345kV	@LTE	1692 MW	L/O	New Scotland - Leeds (94) 345kV
(9b)	New Scotland - Leeds (93) 345kV	@STE	1912 MW	L/O	New Scotland - Leeds (94) 345kV
(9c)	Oakdale – Fraser (32) 345 kV	@LTE	1380 MW	L/O	(Tower 40&41) Marcy–Coopers C 345kV Edic – Fraser (EF24-40) 345 kV
(10)	Moses - Adirondack 230kV	@LTE	359 MW	L/O	Moses - Massena MMS-1 230kV Moses - Massena MMS-2 230kV
(10b)	Moses - Adirondack 230kV	@LTE	359 MW	L/O	Marcy - Massena 765kV
(10c)	Moses - Adirondack 230kV	@STE	478 MW		Chateauguay - Massena 765kV and Quebec delivery

APPENDIX I

**GENERATION CHANGES ASSUMED
FOR THERMAL ANALYSIS**

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GENERATION PARTICIPATION FOR INTERFACES

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->					
<- GENERATOR MW-->						<----- GENERATOR MW --->					
BUS NAME			BASE	SHIFT	CHANGE	BUS NAME			BASE	SHIFT	CHANGE
DYSINGER EAST, WEST CENTRAL											
81765	NANTICG6	22.0	500.0	550.0	50.0	74301	ER G6	13.2	90.0	85.6	-4.4
82765	LAMBTNG4	24.0	500.0	550.0	50.0	74302	ER G7	13.2	0.0	-4.4	-4.4
						74703	AK 2	20.0	0.0	-25.0	-25.0
						74705	AST 4	20.0	213.0	188.0	-25.0
						74706	AST 5	20.0	151.0	126.0	-25.0
						74906	NRTPTG1	22.0	0.0	-16.2	-16.2
UPNY - CONED											
81765	NANTICG6	22.0	500.0	515.0	15.0	74301	ER G6	13.2	90.0	85.6	-4.4
82765	LAMBTNG4	24.0	500.0	515.0	15.0	74302	ER G7	13.2	0.0	-4.4	-4.4
76640	DUNKGEN3	13.8	197.0	202.0	5.0	74703	AK 2	20.0	0.0	-25.0	-25.0
77051	HNTLY68G	13.8	190.6	195.6	5.0	74705	AST 4	20.0	213.0	188.0	-25.0
77951	9M PT 1G	23.0	626.0	676.0	50.0	74706	AST 5	20.0	151.0	126.0	-25.0
79515	MOS19-20	13.8	114.0	124.0	10.0	74906	NRTPTG1	22.0	0.0	-16.2	-16.2
SPRAIN BROOK DUNWOODIE - SOUTH											
81765	NANTICG6	22.0	500.0	515.0	15.0	74702	RAV 3	22.0	858.1	801.0	-57.1
82765	LAMBTNG4	24.0	500.0	515.0	15.0	74705	AST 4	20.0	213.0	170.1	-42.9
76640	DUNKGEN3	13.8	197.0	202.0	5.0						
77051	HNTLY68G	13.8	190.6	195.6	5.0						
77951	9M PT 1G	23.0	626.0	676.0	50.0						
79515	MOS19-20	13.8	114.0	124.0	10.0						
CONED - LIPA											
74190	ROSE GN1	24.0	498.0	518.2	20.2	74906	NRTPTG1	22.0	0.0	-18.0	-18.0
74301	ER G6	13.2	90.0	93.0	3.0	74908	NRTPTG3	22.0	250.0	232.0	-18.0
74302	ER G7	13.2	0.0	3.0	3.0	74909	NRTPTG4	22.0	250.0	232.0	-18.0
74702	RAV 3	22.0	858.1	887.9	29.8	74913	PTJEFG4	20.0	0.0	-36.0	-36.0
74705	AST 4	20.0	213.0	221.9	8.9	79571	NYPA108	13.8	90.0	80.0	-10.0
74706	AST 5	20.0	151.0	159.9	8.9						
79390	BOW2	20.0	500.0	510.1	10.1						
79538	POLETGT2	18.0	175.0	191.1	16.1						
CENTRAL EAST, TOTAL EAST											
81422	LENNOXG2	20.0	550.0	565.0	15.0	74301	ER G6	13.2	90.0	85.6	-4.4
81765	NANTICG6	22.0	500.0	515.0	15.0	74302	ER G7	13.2	0.0	-4.4	-4.4
76640	DUNKGEN3	13.8	197.0	202.0	5.0	74703	AK 2	20.0	0.0	-25.0	-25.0
77051	HNTLY68G	13.8	190.6	195.6	5.0	74705	AST 4	20.0	213.0	188.0	-25.0
77951	9M PT 1G	23.0	626.0	676.0	50.0	74706	AST 5	20.0	151.0	126.0	-25.0
79515	MOS19-20	13.8	114.0	124.0	10.0	74906	NRTPTG1	22.0	0.0	-16.2	-16.2

GENERATION PARTICIPATION FOR INTERFACES

<----- STUDY SYSTEM ----->						<----- OPPOSING SYSTEM ----->					
			<--- GENERATOR MW-->						<----- GENERATOR MW ---->		
BUS NAME			BASE	SHIFT	CHANGE	BUS NAME			BASE	SHIFT	CHANGE
MOSES SOUTH											
79513	MOS17-18	13.8	109.3	159.3	50.0	74702	RAV 3	22.0	858.1	848.1	-10.0
79516	MOS21-22	13.8	114.0	164.0	50.0	74705	AST 4	20.0	213.0	203.0	-10.0
						74706	AST 5	20.0	151.0	141.0	-10.0
						76640	DUNKGEN3	13.8	197.0	187.0	-10.0
						77051	HNTLY68G	13.8	190.6	180.6	-10.0
						77951	9M PT 1G	23.0	626.0	576.0	-50.0
NY - ONTARIO											
74190	ROSE GN1	24.0	498.0	528.0	30.0	81765	NANTICG6	22.0	500.0	450.0	-50.0
74193	DANSK G4	16.1	241.0	271.0	30.0	82765	LAMBTNG4	24.0	500.0	450.0	-50.0
74705	AST 4	20.0	213.0	220.5	7.5						
74706	AST 5	20.0	151.0	158.5	7.5						
78961	BETHGT1	18.0	160.0	163.0	3.0						
78963	BETHGT3	18.0	0.0	3.0	3.0						
78964	BETH STM	18.0	160.0	164.0	4.0						
79390	BOW2	20.0	500.0	515.0	15.0						
ONTARIO - NY											
81765	NANTICG6	22.0	500.0	550.0	50.0	74190	ROSE GN1	24.0	498.0	468.0	-30.0
82765	LAMBTNG4	24.0	500.0	550.0	50.0	74702	RAV 3	22.0	858.1	833.1	-25.0
						76640	DUNKGEN3	13.8	197.0	192.0	-5.0
						77051	HNTLY68G	13.8	190.6	185.6	-5.0
						78961	BETHGT1	18.0	160.0	158.5	-1.5
						78963	BETHGT3	18.0	0.0	-1.5	-1.5
						78964	BETH STM	18.0	160.0	158.0	-2.0
						79547	JAFITZ1G	24.0	848.8	818.8	-30.0

GENERATION PARTICIPATION FOR INTERFACES

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->						
<- GENERATOR MW-->					<----- GENERATOR MW --->						
BUS NAME			BASE	SHIFT	CHANGE	BUS NAME			BASE	SHIFT	CHANGE
NY - NE											
74190	ROSE GN1	24.0	498.0	528.0	30.0	71063	MYST G7	22.0	0.0	-25.0	-25.0
74193	DANSK G4	16.1	241.0	271.0	30.0	71252	CANAL G2	18.0	576.0	546.0	-30.0
74705	AST 4	20.0	213.0	220.5	7.5	72868	NWNGT G1	24.0	240.0	215.0	-25.0
74706	AST 5	20.0	151.0	158.5	7.5	73563	MILL#3	24.0	1260.0	1240.0	-20.0
78961	BETHGT1	18.0	160.0	163.0	3.0						
78963	BETHGT3	18.0	0.0	3.0	3.0						
78964	BETH STM	18.0	160.0	164.0	4.0						
79390	BOW2	20.0	500.0	515.0	15.0						
NE - NY											
71063	MYST G7	22.0	0.0	25.0	25.0	74190	ROSE GN1	24.0	498.0	468.0	-30.0
71252	CANAL G2	18.0	576.0	606.0	30.0	74193	DANSK G4	16.1	241.0	236.0	-5.0
72868	NWNGT G1	24.0	240.0	265.0	25.0	78961	BETHGT1	18.0	160.0	157.0	-3.0
73563	MILL#3	24.0	1260.0	1280.0	20.0	78963	BETHGT3	18.0	0.0	-3.0	-3.0
						78964	BETH STM	18.0	160.0	156.0	-4.0
						79390	BOW2	20.0	500.0	485.0	-15.0
						79394	LOVETT 5	20.0	93.0	78.0	-15.0
						79527	GILBOA#1	17.0	250.0	225.0	-25.0
NY - PJM											
74190	ROSE GN1	24.0	498.0	523.0	25.0	372	SHAWVL 3	22.0	0.0	-12.0	-12.0
74702	RAV 3	22.0	914.7	929.7	15.0	2897	S RIV G1	13.8	87.0	84.0	-3.0
74807	WTSD 6G	13.0	-	-	10.0	2907	KITTGEN1	13.8	120.0	109.0	-11.0
76642	DUNK115G	13.8	60.0	70.0	10.0	3150	MTN CK 3	24.0	849.0	833.0	-16.0
77951	9M PT 1G	23.0	626.0	656.0	30.0	3151	MTN CK 4	24.0	860.0	844.0	-16.0
78961	BETHGT1	18.0	160.0	163.0	3.0	4953	ATHENIA3	138	0.0	-11.0	-11.0
78963	BETHGT3	18.0	120.0	123.0	3.0	5055	BERGEN 1	24.0	197.0	186.0	-11.0
78964	BETH STM	18.0	300.0	304.0	4.0	5077	LINDENAB	26.0	0.0	-3.0	-3.0
						5909	PERRYG12	13.8	122.0	116.0	-6.0
						8101	BLE#1 ST	15.0	0.0	-11.0	-11.0

GENERATION PARTICIPATION FOR INTERFACES

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->										
					<--- GENERATOR MW-->							<----- GENERATOR MW --->			
BUS NAME			BASE	SHIFT	CHANGE	BUS NAME		BASE	SHIFT	CHANGE	BUS NAME		BASE	SHIFT	CHANGE
PJM - NY															
35	PCHBTM 3	22.0	1119.0	1134.0	15.0	74190	ROSE GN1	24.0	498.0	478.0	-20.0				
372	SHAWVL 3	22.0	0.0	20.0	20.0	74702	RAV 3	22.0	858.1	838.1	-20.0				
2921	RRCT1&2	13.8	0.0	5.0	5.0	75523	KINTIG24	24.0	511.0	491.0	-20.0				
2922	RRCT3&4	13.8	0.0	5.0	5.0	76640	DUNGEN3	13.8	77.0	72.0	-5.0				
3135	BRUNER 3	24.0	800.0	810.0	10.0	77051	HNTLY68G	13.8	190.6	185.6	-5.0				
3146	MONTUR 1	24.0	775.0	785.0	10.0	79547	JAFITZ1G	24.0	848.8	818.8	-30.0				
4110	EDDYSTN1	20.0	288.0	303.0	15.0										
5055	BERGEN 1	24.0	197.0	207.0	10.0										
5140	MERCER 1	24.0	324.0	334.0	10.0										

APPENDIX J

DISTRIBUTION FACTORS

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**TABLE 1
DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer <----->	KINTI- ROCH <----->	NIAGAR- ROCH <----->	STOLLE- MEYER <----->	LOCKPT- SOUR <----->	LOCKPT- SHEL <----->	NIAGAR- ROCH <----->
STOLE230 230	MEYER230 230	1	8.02%	5.96%	7.20%	TRIP	6.25%	5.67%	13.06%
GOLAH63K63.0	MORT63KV63.0	1	0.18%	0.26%	0.31%	0.26%	0.72%	0.65%	0.57%
LOCKPORT 115	NAKR-108 115	1	0.96%	1.36%	1.64%	1.35%	3.99%	3.73%	2.97%
LOCKPORT 115	OAKFLDTP 115	1	1.07%	1.52%	1.83%	1.51%	4.46%	4.16%	3.32%
LOCKPORT 115	SOUR-111 115	1	2.47%	3.48%	4.21%	3.48%	TRIP	12.07%	7.64%
LOCKPORT 115	SHEL-113 115	1	2.49%	3.52%	4.26%	3.52%	13.47%	TRIP	7.73%
LOCKPORT 115	TELRDTP1 115	1	2.44%	1.83%	2.21%	1.83%	6.55%	6.96%	4.01%
LOCKPORT 115	TELRDTP1 115	1	1.29%	3.45%	4.18%	3.45%	11.26%	18.40%	7.57%
KINTI345 345	ROCH 345 345	1	19.72%	TRIP	44.85%	14.78%	15.53%	14.08%	O/S
NIAG 345 345	ROCH 345 345	1	28.91%	54.39%	TRIP	21.68%	22.76%	20.65%	TRIP
			-----	-----	-----	-----	-----	-----	-----
	SUB-TOTALS		67.56%	75.76%	70.69%	51.85%	84.97%	86.36%	46.86%
INTERFACE	L33P-L34P		0.00%	9.13%	11.04%	9.31%	4.70%	4.27%	20.01%
INTERFACE	PJM-NYISO		28.34%	14.69%	17.77%	35.78%	10.51%	9.53%	32.21%
			-----	-----	-----	-----	-----	-----	-----
	TOTALS		95.90%	99.58%	99.49%	96.95%	100.18%	100.16%	99.08%

**TABLE 2
DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	PANNEL- CLAY TRIP	STOLLE- MEYER TRIP	S121- SLEGH TRIP	PANNEL- FARM TRIP	PANNEL- CLAY O/S TRIP
PANNELL3 345	CLAY 345	1	25.58%		10.41%	18.77%	20.44%	
PANNELL3 345	CLAY 345	2	25.66%	57.70%	10.44%	18.84%	20.50%	
STOLE230 230	MEYER230 230	1	8.02%	2.96%		2.95%	8.12%	7.00%
MORTIMER 115	LAWLER-1 115	1	2.07%	2.63%	1.32%	3.86%	16.46%	6.22%
MORTIMER 115	LAWLER-2 115	1	2.18%	2.96%	1.10%	4.42%	3.91%	6.99%
S121 B#2 115	SLEIG115 115	1	1.92%	3.58%	1.98%		11.01%	8.47%
PANNELLI 115	FRMGTN-4 115	1	2.12%	6.34%	8.85%	17.90%		14.99%
STA 162 115	S.PER115 115	1	-0.40%	1.93%	17.09%	2.26%	4.89%	4.57%
QUAKER 115	MACDN115 115	1	0.22%	0.47%	0.41%	20.45%	3.34%	1.11%
			-----	-----	-----	-----	-----	-----
	SUB-TOTALS		67.37%	78.57%	51.60%	89.45%	88.66%	49.34%
INTERFACE	L33P-L34P		0.00%	8.14%	9.31%	3.28%	2.56%	19.24%
INTERFACE	PJM-NYPP		37.00%	5.84%	10.89%	3.26%	4.38%	13.80%
			-----	-----	-----	-----	-----	-----
	TOTALS		104.37%	92.54%	71.80%	95.98%	95.59%	82.37%

**TABLE 3
DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	PRTR-RTRDM	EDIC34-NSCOT TRIP	MARCY-NSCOT	FRSR-GILBA	BRBRG-RAMPO	WLDWK-SMAWA	HUD-FARGT	LINDEN-GOETH	WLDK-SMWA	HUD-FARGT
EDIC 345	N.SCOT77 345	1	18.83%	13.75%	TRIP	32.90%	19.36%	3.18%	0.19%	1.60%	2.33%	1.69%	2.21%
MARCY T1 345	N.SCOT99 345	1	20.32%	14.65%	34.70%	TRIP	20.92%	3.43%	0.21%	1.73%	2.53%	1.82%	2.39%
PORTER 2 230	ROTRDM.2 230	1	4.48%	TRIP	5.37%	5.42%	3.07%	0.72%	0.04%	0.36%	0.53%	0.39%	0.50%
PORTER 2 230	ROTRDM.2 230	2	4.60%	34.00%	5.52%	5.57%	3.15%	0.74%	0.05%	0.37%	0.54%	0.40%	0.51%
E.SPR115 115	INGHAM-E 115	1	0.91%	0.91%	-0.25%	-0.24%	2.52%	0.16%	0.01%	0.09%	0.13%	0.09%	0.13%
INGMS-CD 115	INGHAM-E 115	1	0.00%	9.91%	3.79%	3.81%	0.73%	0.40%	0.02%	0.19%	0.28%	0.21%	0.26%
PLAT T#3 115	GRAND IS 115	1	0.00%	3.24%	2.91%	3.08%	1.80%	0.74%	0.05%	0.35%	0.52%	0.40%	0.49%
FRASR345 345	GILB 345 345	1	16.90%	9.35%	23.05%	23.61%	TRIP	3.46%	0.18%	2.46%	3.33%	1.49%	3.40%
BRANCHBG 500	RAMAPO 5 500	1	0.00%	1.84%	3.15%	3.22%	2.89%	TRIP	2.94%	8.32%	17.08%	25.85%	11.51%
COOPC345 345	MDTN TAP 345	1	17.30%	3.73%	6.71%	7.03%	18.34%	4.82%	0.37%	0.46%	1.33%	3.80%	0.63%
COOPC345 345	ROCK TAV 345	2	16.18%	3.58%	6.46%	6.77%	17.55%	4.36%	0.39%	0.61%	1.41%	3.31%	0.84%
HUDSON2 345	FARRGUT2 345	1	0.00%	0.99%	1.73%	1.78%	2.24%	9.10%	2.78%	28.17%	20.79%	24.78%	TRIP
HUDSON1 345	FARRGUT1 345	1	0.00%	0.95%	1.65%	1.70%	2.14%	8.67%	2.64%	TRIP	19.20%	23.51%	19.64%
LINDEN 230	GOETHALS 230	1	0.00%	1.00%	1.74%	1.79%	2.09%	12.84%	1.37%	13.85%	TRIP	12.25%	29.29%
WALDWICK 345	SMAHWAH1 345	1	-0.24%	0.92%	1.56%	1.59%	1.07%	23.78%	88.77%	21.10%	15.28%	TRIP	28.10%
WALDWICK 345	SMAHWAH2 345	1	0.24%	0.89%	1.52%	1.55%	1.20%	23.54%	TRIP	20.24%	14.62%	0.03%	-0.02%
HCOR138 138	BURNS138 138	1	-0.01%	0.00%	-0.01%	-0.01%	-0.01%	0.02%	0.03%	-0.01%	-0.01%	0.78%	-1.81%
SMAH138 138	SMAHWAH1 345	1	0.74%	-0.05%	-0.05%	-0.05%	0.19%	-0.37%	-3.71%	-1.30%	-0.99%	-0.51%	1.42%
SMAH138 138	RAMP138 138	1	-0.50%	0.03%	0.04%	0.03%	-0.14%	0.44%	3.16%	1.02%	0.77%	-0.02%	0.03%
CRESSKIL69.0	SPARKILL69.0	1	0.03%	0.00%	0.01%	0.01%	0.02%	0.00%	0.02%	0.02%	0.02%	-0.07%	0.12%
HCOR69 69.0	WNYA69 69.0	1	0.13%	0.01%	0.03%	0.03%	0.06%	0.00%	0.09%	0.09%	0.09%	0.00%	0.00%
MONTVALE69.0	BLUHILL 69.0	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE69.0	BLUHILL 69.0	2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.04%
MONTVALE69.0	L491T 69.0	1	0.05%	0.00%	0.01%	0.01%	0.02%	0.03%	0.08%	0.03%	0.03%	-0.22%	0.22%
SMAH69 69.0	HILB69 69.0	1	-0.44%	0.00%	-0.02%	-0.02%	-0.14%	-0.12%	0.33%	0.16%	0.11%	0.00%	-0.01%
HCOR34 34.5	PEARL34 34.5	1	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%	-0.01%	0.00%	0.00%
NEPTCONV 345	NWBRG 345	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTALS			99.5%	99.7%	99.6%	99.6%	99.0%	99.9%	100.0%	99.9%	99.9%	100.0%	99.9%

TABLE 4
DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

FROM	TO	CKT	% Pickup of Transfer	PLVLLY-MILLW	PLVLLY-FISHK	RAMAPO-BUCHN	LADNTW-BUCHS	LINDEN-GOETH	HUDSON-FARGT	ROSETN-FISHK TRIP
ROSETON 345	FISHKILL 345	1	19.88%	-11.52%	15.27%	16.03%	22.02%	9.35%	8.82%	
PLTVLLEY 345	MILLWOOD 345	1	17.38%	TRIP	9.09%	3.44%	12.94%	3.10%	2.32%	-8.87%
PLTVLLEY 345	FISHKILL 345	1	7.91%	24.85%	TRIP	-0.20%	-7.03%	1.33%	0.97%	32.13%
PLTVLLEY 345	FISHKILL 345	2	7.91%	24.85%	66.81%	-0.20%	-7.03%	1.33%	0.97%	32.13%
PLTVLLEY 345	WOOD B 345	1	17.16%	36.26%	9.48%	3.42%	12.51%	3.08%	2.32%	-8.58%
RAMAPO 345	BUCH N 345	1	13.49%	3.68%	-0.08%	TRIP	42.17%	16.78%	16.99%	13.19%
LADENTWN 345	BUCH S 345	1	13.48%	18.25%	-3.63%	55.63%	TRIP	24.20%	24.85%	23.91%
FISHKILL 115	SYLVN115 115	1	0.96%	0.80%	-0.06%	0.35%	0.62%	0.26%	0.23%	0.53%
E FISH I 115	FISHKILL 345	1	1.83%	-0.47%	2.60%	0.81%	0.92%	0.59%	0.53%	6.55%
SUB-TOTALS			100.00%	96.71%	99.49%	79.29%	77.12%	60.02%	57.99%	90.99%
LINDEN-GOETH			0.00%	1.05%	0.17%	5.34%	5.84%	TRIP	13.85%	2.45%
HUDSON-FAR#1			0.00%	1.15%	0.17%	7.89%	8.74%	20.79%	28.17%	3.37%
HUDSON-FAR#2			0.00%	1.10%	0.17%	7.49%	8.31%	19.20%	TRIP	3.20%
TOTALS			100.00%	100.00%	100.00%	100.00%	100.00%	100.01%	100.00%	100.00%

**TABLE 5
DISTRIBUTION FACTORS FOR SPRAINBROOK / DUNWOODIE SOUTH CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	SPRAIN-TRMNT	SPRBK-W49TH	DUNWD-RAINEY	DUNWDE-SHORE	SPRAIN-DVNPT	SPRBK-W49TH	DUNWD-RAINEY
DUN NO1R 138	S CREEK 138	1	0.00%	14.11%	0.28%	0.33%	2.98%	1.68%	0.51%	0.31%
DUN NO2R 138	S CREEK 138	1	0.00%	14.32%	0.29%	0.33%	3.03%	1.71%	0.52%	0.31%
DUN SO1R 138	E179 ST 138	1	0.00%	20.66%	0.41%	0.48%	4.37%	2.47%	0.75%	0.45%
REAC71 345	MOTT_H 345	3	32.12%	9.53%	25.19%	TRIP	13.73%	3.95%	45.84%	58.80%
REAC72 345	MOTT_H 345	4	29.29%	8.66%	22.89%	56.46%	12.48%	3.59%	41.66%	TRIP
DUNWODIE 345	SHORE RD 345	1	0.00%	7.83%	0.79%	1.04%	TRIP	65.57%	1.44%	0.98%
SPRBROOK 345	TREMONT 345	1	0.00%	TRIP	0.71%	0.52%	5.71%	3.56%	1.29%	0.50%
REACM51 345	W 49 ST 345	1	19.30%	9.62%	TRIP	18.84%	7.86%	8.12%	O/S	17.83%
REACM52 345	W 49 ST 345	2	19.30%	9.62%	45.05%	18.84%	7.86%	8.12%	TRIP	17.83%
REACBUS 345	DVNPT NK 345	1	0.0%	3.02%	0.51%	0.18%	40.43%	TRIP	0.92%	0.17%
SUB-TOTALS			100.00%	97.37%	96.11%	97.03%	98.43%	98.76%	92.93%	97.19%
LINDEN-GOETH			0.0%	2.39%	0.90%	0.75%	0.71%	0.50%	1.64%	0.71%
HUDSON-FAR#1			0.0%	0.12%	1.53%	1.14%	0.44%	0.38%	2.79%	1.08%
HUDSON-FAR#2			0.0%	0.13%	1.45%	1.08%	0.42%	0.36%	2.65%	1.03%
TOTALS			100%	100%	100%	100%	100%	100%	100%	100%

**TABLE 6
DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	MASSENA- MARCY TRIP	MASSENA- CHAT	MOSES2- ADRON TRIP	MOSES2- ADRON O/S
MASS 765 765	MARCY765 765	1	73.94%		65.49%	43.63%	
DENNISON 115	ANDRWS-4 115	1	2.16%	4.13%	0.83%	1.48%	0.03572
MOSES W 230	ADRON B1 230	1	9.56%	18.55%	3.23%		
MOSES W 230	ADRON B2 230	1	9.56%	18.55%	3.23%	36.34%	0.48347
DENNISON 115	LWRNCE-B 115	1	2.16%	4.13%	0.83%	1.48%	0.03574
ALCOA-NM 115	BRADY 115	1	1.11%	2.13%	0.43%	0.76%	0.01838
ALLENS F 115	COLTON 115	1	1.52%	1.71%	0.25%	0.63%	0.01496
			-----	-----	-----	-----	-----
	SUB-TOTALS		100.0%	49.19%	74.29%	84.33%	58.83%
MOSES-WILLE			0.76%	7.15%	1.87%	2.47%	6.08%
MOSES-WILLW			0.76%	7.11%	1.86%	2.46%	6.05%
MOSES-L34P			0.00%	21.44%	12.46%	6.37%	17.11%
MOSES-L33P			0.00%	16.83%	9.78%	5.00%	13.43%
			-----	-----	-----	-----	-----
	TOTALS		101.5%	101.7%	100.3%	100.6%	101.5%

**TABLE 7
DISTRIBUTION FACTORS FOR NYISO-ISONE CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	ALPS- BERK	P VLLY- LNG MNT	NWHAR- GEN	VTYANK- GEN	YRMTH- GEN	SBRK- GEN	HIGATE- DC	EEL RIVER	MADWAS- DC
ALPS345 345	MANY393 345	1	39.30%	TRIP	66.85%	24.61%	43.15%	37.75%	37.40%	24.72%	37.74%	37.74%
PLAT T#3 115	GRAND IS 115	1	0.00%	9.09%	8.68%	4.73%	7.91%	7.87%	7.77%	37.22%	7.87%	7.87%
HOOSICK 115	BNNINGTN 115	1	3.68%	10.16%	4.97%	1.84%	2.33%	2.80%	2.84%	1.35%	2.80%	2.80%
WHITEHAL 115	BLISSPAR 115	1	0.00%	10.26%	7.02%	2.63%	6.45%	5.16%	5.01%	7.90%	5.15%	5.15%
ROTRDM.2 230	BRSWAMP 230	1	8.54%	16.53%	12.49%	5.30%	6.66%	8.29%	8.41%	4.34%	8.29%	8.29%
PLTVLLEY 345	CTNY398 345	1	48.48%	53.96%	TRIP	60.91%	33.51%	38.13%	38.57%	24.48%	38.12%	38.11%
TOTALS			100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

**TABLE 8
DISTRIBUTION FACTORS FOR ONTARIO-NYISO CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	PA27- NIAGAR	BP76- PACKD2	STLAWR- MOSES TRIP	STLAWR- MOSES TRIP	BECKB- NIAGAR TRIP	BECKA- NIAGAR O/S TRIP
STLAWL34 230	MOSES E 230	1	0.0%	1.4%	1.4%		60.9%	1.6%	3.3%
STLAWL33 230	MOSES E 230	1	0.0%	1.1%	1.1%	55.0%		1.2%	2.6%
BECK B 345	NIAG 345 345	1	20.8%	33.7%	30.8%	9.0%	7.8%		
BECK A 345	NIAG 345 345	1	20.8%	33.6%	30.7%	9.0%	7.8%	52.6%	
PA27 REG 230	NIAGAR2W 230	1	12.0%		31.3%	5.4%	4.7%	23.2%	48.9%
BP76 REG 230	PACKARD2 230	1	10.1%	26.0%		4.6%	4.0%	17.6%	37.1%
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	SUB-TOTALS		63.6%	95.7%	95.2%	83.0%	85.2%	96.1%	91.8%
ONTARIO-MICH			36.4%	4.0%	4.5%	15.8%	13.7%	3.6%	7.7%
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	TOTALS		100.0%	99.8%	99.7%	98.8%	98.9%	99.8%	99.5%

**TABLE 9
DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS**

FROM	TO	CKT	% Pickup of Transfer	ERIE- RIPLEY	HC- STOLLE	HC- WTRC	E.TOW- HILLS	BBURG- RAMPO	WALD- SMAWA	HUDSN- FARGT	LIND- GOETH	WALD- SMAWA	HUDSN- FARGT
ERIE E 230	S RIPLEY 230	1	13.71%	TRIP	22.21%	7.66%	4.87%	2.36%	0.15%	0.85%	1.38%	1.37%	1.18%
WARREN 115	FALCONER 115	1	4.58%	20.97%	8.40%	1.78%	2.84%	0.81%	0.05%	0.30%	0.48%	0.48%	0.41%
HOMER CY 345	STOLE345 345	1	9.11%	15.66%	TRIP	15.07%	2.08%	1.67%	0.11%	0.61%	0.97%	0.97%	0.84%
HOMER CY 345	WATRC345 345	1	15.12%	6.60%	18.42%	TRIP	13.82%	3.53%	0.22%	1.21%	2.02%	1.97%	1.68%
E.TWANDA 230	HILSD230 230	1	17.96%	6.28%	3.81%	20.72%	TRIP	3.81%	0.31%	1.63%	2.34%	2.77%	2.24%
E.SAYRE 115	N.WAV115 115	1	6.39%	2.02%	1.43%	4.37%	28.74%	1.38%	0.11%	0.58%	0.84%	0.98%	0.79%
LAUREL L 115	GOUDY115 115	1	5.09%	0.97%	0.73%	2.49%	10.27%	1.13%	0.09%	0.48%	0.69%	0.81%	0.65%
BRANCHBG 500	RAMAPO 5 500	1	0.00%	6.16%	6.17%	10.67%	7.70%	TRIP	2.94%	8.32%	17.08%	25.85%	11.51%
HUDSON2 345	FARRGUT2 345	1	0.00%	2.43%	2.44%	4.01%	3.56%	9.10%	2.78%	28.17%	20.79%	24.78%	TRIP
HUDSON1 345	FARRGUT1 345	1	0.00%	2.32%	2.33%	3.83%	3.43%	8.67%	2.64%	TRIP	19.20%	23.51%	
LINDEN 230	GOETHALS 230	1	0.00%	2.71%	2.71%	4.58%	3.55%	12.84%	1.37%	13.85%	TRIP	12.26%	19.64%
WALDWICK 345	SMAHWAH1 345	1	0.07%	3.41%	3.41%	5.71%	5.33%	23.78%	88.77%	21.10%	15.28%	TRIP	29.29%
WALDWICK 345	SMAHWAH2 345	1	-0.07%	3.14%	3.15%	5.25%	4.93%	23.54%	TRIP	20.24%	14.62%		28.10%
HCOR138 138	BURNS138 138	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.03%	-0.01%	-0.01%	0.03%	-0.02%
SMAH138 138	SMAHWAH1 345	1	0.20%	-0.41%	-0.40%	-0.71%	-0.61%	-0.37%	-3.71%	-1.30%	-0.99%	0.78%	-1.81%
SMAH138 138	RAMP138 138	1	-0.14%	0.30%	0.29%	0.52%	0.45%	0.44%	3.16%	1.02%	0.77%	-0.51%	1.42%
CRESSKIL69.0	SPARKILL69.0	1	0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	0.02%	0.02%	-0.02%	0.03%
HCOR69 69.0	WNYA69 69.0	1	0.03%	-0.01%	-0.01%	-0.02%	-0.01%	0.00%	0.09%	0.09%	0.09%	-0.07%	0.12%
MONTVALE69.0	BLUHILL 69.0	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE69.0	BLUHILL 69.0	2	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE69.0	L491T 69.0	1	0.01%	-0.01%	-0.01%	-0.01%	-0.01%	0.03%	0.09%	0.03%	0.03%	0.00%	0.04%
SMAH69 69.0	HILB69 69.0	1	-0.11%	0.13%	0.13%	0.23%	0.19%	-0.12%	0.33%	0.16%	0.11%	-0.22%	0.22%
HCOR34 34.5	PEARL34 34.5	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%	-0.01%	0.00%	-0.01%
NEPTCONV 345	NWBRG 345	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
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	SUB-TOTALS		71.95%	72.7%	75.2%	86.1%	91.1%	92.6%	99.5%	97.3%	95.7%	95.7%	96.3%
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MICH - ONTARIO			0.2805	0.25758	0.23283	0.13014	0.08309	0.06903	0.00437	0.02492	0.0405	0.03976	0.03442
	TOTALS		100.00%	98.4%	98.5%	99.2%	99.4%	99.5%	100.0%	99.8%	99.7%	99.7%	99.8%

**TABLE 10A
GENERATION SHIFT FACTORS WITH ALL PAR'S HOLDING MW FLOW**

	CENTRAL- EAST	ONT- NYISO	ONTARIO- MICH	PJM- NYISO	WEST- CENTRAL	BBURG- RAMAPO	MARCY- SOUTH	UTICA- ALBANY
NIAGARA	-47.0%	5.1%	-5.0%	-4.9%	-76.6%	0.0%	-21.9%	-43.1%
HUNTLEY	-46.8%	5.4%	-5.2%	-5.2%	-75.8%	0.0%	-21.6%	-42.9%
DUNKIRK	-45.6%	-2.1%	2.3%	2.3%	-67.1%	0.0%	-20.0%	-41.7%
OSWEGO	-52.0%	1.0%	-0.9%	-0.9%	2.8%	0.0%	-29.0%	-48.4%
GILBOA	-1.7%	0.0%	0.1%	0.1%	-0.3%	0.0%	-1.1%	-0.7%
BETH	15.7%	0.2%	-0.1%	-0.1%	0.4%	0.0%	-11.3%	13.5%
ATHENS	5.7%	0.1%	0.0%	0.0%	0.1%	0.0%	-5.0%	5.8%
ROSETON	-0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.3%	-0.2%
BOWLINE	-1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	-1.2%
INDIANPT2	-1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	-0.9%
NORWALK	6.4%	0.1%	0.0%	0.0%	0.2%	0.0%	-4.8%	3.8%
BRAYTON	11.5%	0.2%	-0.1%	-0.1%	0.3%	0.0%	-8.6%	5.9%
SBRK	12.5%	0.2%	-0.1%	-0.1%	0.4%	0.0%	-9.3%	5.8%
LAMBTON	-46.1%	-69.1%	-30.7%	-30.7%	-67.9%	0.0%	-20.7%	-42.2%
NANTICOKE	-46.6%	-80.5%	-19.3%	-19.2%	-72.7%	0.0%	-21.5%	-42.8%
BECK	-47.1%	-90.0%	-9.8%	-9.8%	-76.7%	0.0%	-22.1%	-43.3%
CONEMAUGH	-43.5%	-18.1%	18.2%	-81.7%	-45.1%	0.0%	-16.9%	-39.5%
SALEM	-43.3%	-17.7%	17.9%	-82.1%	-43.7%	0.0%	-16.7%	-39.3%
PORTLAND	-43.2%	-17.0%	17.2%	-82.8%	-42.3%	0.0%	-16.6%	-39.2%
HUDSON	-43.3%	-17.3%	17.4%	-82.5%	-42.9%	0.0%	-16.6%	-39.2%
EDDYSTONE	-43.3%	-17.6%	17.8%	-82.2%	-43.6%	0.0%	-16.7%	-39.3%
BRANDON	-43.5%	-18.8%	19.0%	-81.0%	-45.2%	0.0%	-17.0%	-39.5%
KARNS	-44.2%	-29.6%	29.8%	-70.2%	-51.4%	0.0%	-17.9%	-40.2%
ZEEL	-44.0%	-26.2%	26.4%	-73.6%	-49.9%	0.0%	-17.7%	-40.0%
BOWEN	-43.7%	-21.8%	22.0%	-78.0%	-47.7%	0.0%	-17.3%	-39.8%
JEAMOS	-43.8%	-21.7%	21.9%	-78.1%	-47.8%	0.0%	-17.4%	-39.8%
MTSTORM	-43.6%	-20.4%	20.5%	-79.4%	-46.7%	0.0%	-17.2%	-39.7%
HATFIELD	-43.6%	-19.6%	19.8%	-80.2%	-46.5%	0.0%	-17.1%	-39.6%
NEWTON	-43.8%	-22.8%	23.0%	-76.9%	-48.3%	0.0%	-17.4%	-39.8%
BB-RAMAPO	43.3%	17.4%	-17.6%	-17.6%	43.3%	-100.0%	16.7%	39.3%

**TABLE 10B
GENERATION SHIFT FACTORS WITH ALL PAR'S FREE FLOW**

	CENTRAL- EAST	ONT-NYISO	ONTARIO- MICH	PJM- NYISO	WEST- CENTRAL	BBURG- RAMAPO	MARCY- SOUTH	UTICA- ALBANY
NIAGARA	-28.3%	16.3%	-15.2%	-16.2%	-48.5%	-10.4%	-14.8%	-26.1%
HUNTLEY	-27.9%	16.7%	-15.6%	-16.6%	-46.7%	-10.7%	-14.5%	-25.6%
DUNKIRK	-24.3%	7.3%	-6.8%	-7.2%	-37.8%	-12.5%	-11.9%	-22.2%
OSWEGO	-38.8%	8.8%	-8.2%	-8.8%	13.0%	-5.1%	-23.8%	-37.0%
GILBOA	4.4%	4.2%	-3.9%	-4.1%	4.6%	-1.8%	1.4%	4.9%
BETH	19.2%	4.7%	-4.4%	-4.7%	4.6%	-1.8%	-9.3%	17.1%
ATHENS	10.1%	3.3%	-3.0%	-3.2%	3.4%	-0.8%	-3.2%	9.8%
ROSETON	2.0%	1.6%	-1.5%	-1.6%	1.7%	0.8%	1.1%	1.9%
BOWLINE	-1.3%	-0.2%	0.2%	0.2%	-0.2%	4.1%	0.8%	-1.1%
INDIANPT2	-1.0%	-0.1%	0.2%	0.2%	-0.1%	3.3%	0.6%	-0.9%
NORWALK	9.5%	2.7%	-2.5%	-2.7%	2.4%	-0.3%	-3.5%	6.7%
BRAYTON	15.7%	4.0%	-3.7%	-3.9%	3.2%	-1.1%	-6.6%	9.8%
SBRK	16.9%	4.2%	-3.9%	-4.2%	3.3%	-1.2%	-7.2%	9.9%
LAMBTON	-22.6%	-43.3%	-56.2%	-56.6%	-24.6%	-14.2%	-11.1%	-20.3%
NANTICOKE	-27.7%	-64.1%	-33.7%	-35.8%	-31.6%	-11.4%	-14.5%	-24.9%
BECK	-28.7%	-77.3%	-21.3%	-22.7%	-45.1%	-10.4%	-15.2%	-26.3%
CONEMAUGH	-13.4%	-10.5%	9.8%	-89.5%	-11.4%	-19.3%	-5.2%	-12.1%
SALEM	-9.4%	-6.9%	6.5%	-93.1%	-7.1%	-21.9%	-3.2%	-8.5%
PORTLAND	-8.3%	-5.0%	4.7%	-94.9%	-5.2%	-17.3%	-2.6%	-7.4%
HUDSON	-3.4%	-2.0%	1.9%	-98.0%	-2.1%	-6.3%	-0.6%	-3.1%
EDDYSTONE	-9.4%	-6.8%	6.4%	-93.2%	-7.0%	-21.9%	-3.2%	-8.4%
BRANDON	-12.6%	-11.0%	10.3%	-88.9%	-10.8%	-19.9%	-4.9%	-11.4%
KARNS	-19.8%	-32.0%	31.6%	-67.9%	-20.7%	-15.7%	-9.3%	-17.8%
ZEEL	-18.3%	-26.3%	25.3%	-73.6%	-18.6%	-16.5%	-8.4%	-16.5%
BOWEN	-16.0%	-18.4%	16.8%	-81.5%	-15.4%	-17.8%	-6.9%	-14.5%
JEAMOS	-16.2%	-18.2%	17.0%	-81.7%	-15.5%	-17.7%	-6.9%	-14.6%
MTSTORM	-14.8%	-15.1%	14.1%	-84.8%	-13.7%	-18.5%	-6.2%	-13.4%
HATFIELD	-14.9%	-13.9%	13.1%	-86.0%	-13.6%	-18.4%	-6.1%	-13.5%
NEWTON	-16.8%	-20.6%	18.7%	-79.3%	-16.4%	-17.3%	-7.4%	-15.1%
BB-RAMAPO	9.0%	7.4%	-6.9%	-7.4%	7.7%	-100.0%	5.0%	8.1%

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