

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	Cross- Sound	Neptune -HVdc	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		-743	0	81	0	-1200	-330	-660	115	-2737
PJM	743		0	0	0	0	0	660	-937	466
IESO	0	0		0	0	0	0	0	0	0
ISONE	-81	0	0		0	-1740	330	0	0	-1491
NB/NS	0	0	0	0		200	0	0	0	200
Trans Énergie	1200	0	0	1740	-200		0	0	45	2785

APPENDIX A
SUMMARY OF SUMMER 2008 BASE TRANSFERS

NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	200
New Brunswick to New England	0
Total Export (+) / Import (-)	200

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond HVdc	-1500
New England to TransÉnergie: Vermont	-240
New England to New York	-81
New England to NY: Cross-Sound	330
Total Export (+) / Import (-)	-1491

NEW YORK ISO	
New York to TransÉnergie	-1200
New York to New England	81
New York to New England: Cross-Sound	-330
New York to PJM: NYPA to PA-RECS	67
New York to PJM: Sithe Allegheny	-36
New York to PJM: Non-Firm Energy	-774
New York to PJM: Neptune HVdc	-660
New York to MISO: NYPA to AMP- Ohio	115
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-2737

IESO (Ontario)	
IESO to TransÉnergie	0
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	0

APPENDIX A SUMMARY OF SUMMER 2008 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	774
PJM to New York: Neptune HVdc	660
Miscellaneous Transfers to Other Areas	-937
Total Export (+) / Import (-)	466

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	-200
TransÉnergie to New England: Sandy Pond HVdc	1500
TransÉnergie to New England: Vermont	240
TransÉnergie to New York	1200
TransÉnergie to IESO (Ontario)	0
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	2785

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APPENDIX B

SUMMER 2008 BASE CASE CONDITIONS

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Summer 2008 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	360 MW	In Service
Dunkirk	500 MW	In Service
Niagara	3095 MW	In Service
AES/Somerset	446 MW	In Service
GINNA	580 MW	In Service
Sithe/Independence	750 MW	In Service
Oswego #5	540 MW	In Service
Oswego #6	0 MW	Out of Service
Nine Mile Pt #1	646 MW	In Service
Nine Mile Pt #2	1204 MW	In Service
J.A. Fitzpatrick	882 MW	In Service
Maple Ridge Wind Farm	32 MW	In Service
St. Lawrence/FDR (17-32)	890 MW	In Service
Athens	885 MW	In Service
Bethlehem Energy Center	718 MW	In Service
Gilboa	541 MW	In Service
Roseton 1	482 MW	In Service
Roseton 2	565 MW	In Service
Indian Pt #2	1026 MW	In Service
Indian Pt #3	1031 MW	In Service
Bowline Pt 1	585 MW	In Service
Bowline Pt 2	585 MW	In Service
Poletti	657 MW	In Service
NYPA Astoria Combined-Cycle	492 MW	In Service
Ravenswood #3	846 MW	In Service
ECP/Linden Cogen	555 MW	In Service
Arthur Kill #3	404 MW	In Service
Northport 1	296 MW	In Service
Northport 2	284 MW	In Service
Northport 3	267 MW	In Service
Northport 4	251 MW	In 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	750 MW	In Service
Bear Swamp 1 & 2	280 MW	In Service
Norwalk Harbor 1 & 2	159/168 MW	In Service
Seabrook	1318 MW	In Service

Ontario

Darlington (4/4 Units)	3640MW	In Service
Beck 1 & 2	336/1339 MW	In Service
Bruce A (2/4 Units)	1500 MW	In Service
Bruce B (4/4 Units)	3360 MW	In Service
Lambton (4/4 Units)	1960 MW	In Service
Pickering (A & B, 6/8 Units)	1040/2080 MW	In Service
Nanticoke (8/8 Units)	4000 MW	In Service
St. Lawrence/Saunders (1-16)	900 MW	In Service

PJM

Peach Bottom #2	1111 MW	In Service
Peach Bottom #3	1112 MW	In Service
Salem #1	1174 MW	In Service
Salem #2	1150 MW	In Service
Limerick #1	1134 MW	In Service
Limerick #2	1134 MW	In Service
Hope Creek	1161 MW	In Service
Susquehanna #1	1217 MW	In Service
Susquehanna #2	1140 MW	In Service

TransÉnergie HVdc CONVERTER SCHEDULES

Chateauguay HVdc	725 MW	In Service
Sandy Pond HVdc	1500 MW	In Service
Highgate HVdc	200 MW	In Service
Madawaska HVdc	0 MW	Out of Service
Eel River HVdc	-200 MW	In Service

AREA LOADS & LOSSES

NYISO	33659 MW
ISO-NE	30771 MW
IESO (Ontario)	28841 MW
PJM	61648 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	100 MW
Jamaica-Valley Stream	-122 MW
Jamaica-Lake Success	-164 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)	220 MW
Ramapo PAR #2 (+ to NY)	220 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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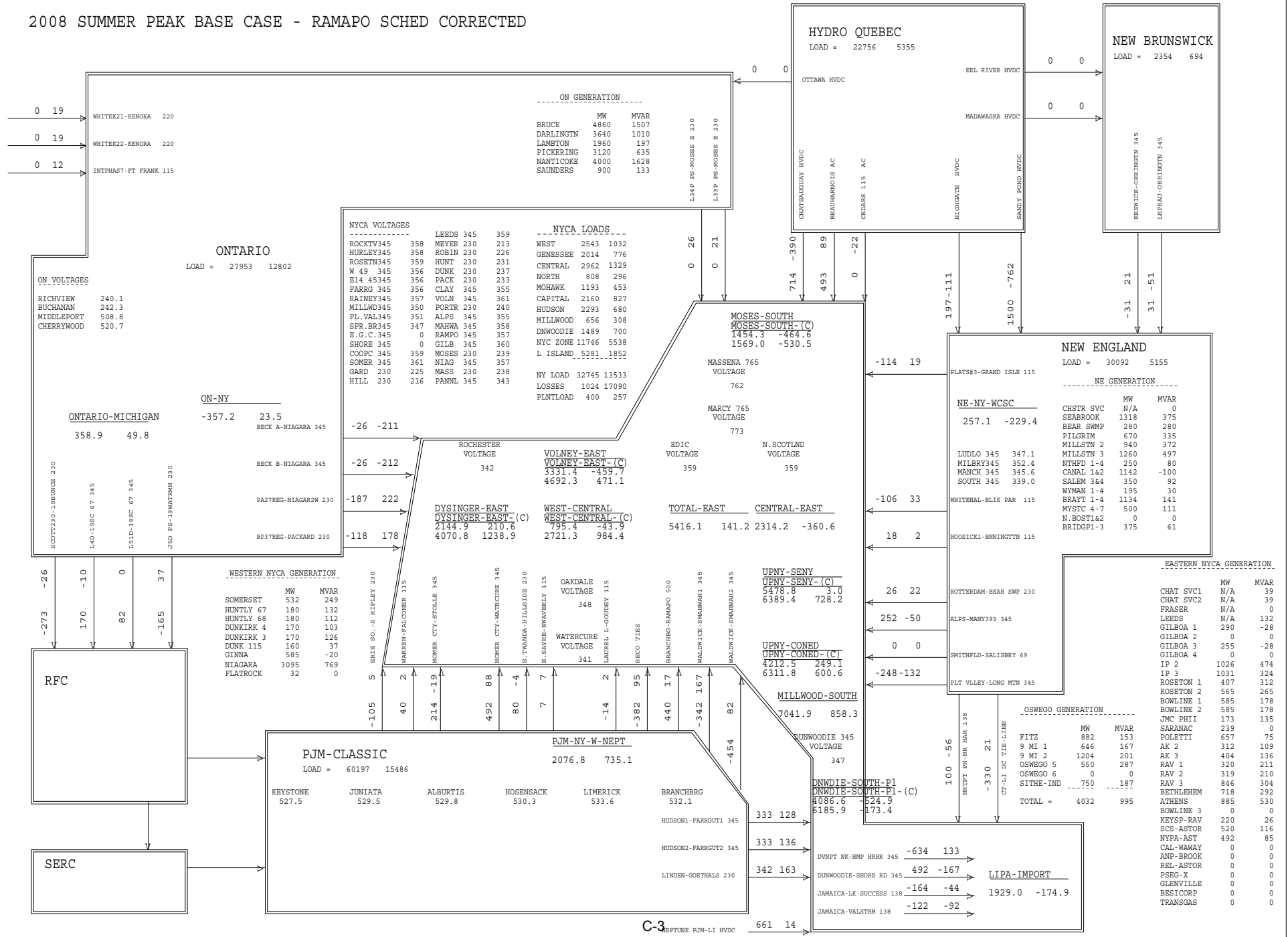
INDEX

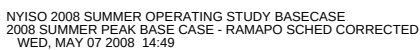
System Overview		C-3
Western NYISO		C-4
Eastern NYISO		C-5
Southern NYISO		C-6
Central Hudson		C-7
Consolidated Edison		C-8
LIPA		C-9, 10
NYSEG		C-11,12
National Grid		C-13-18
Orange & Rockland		C-19
Rochester		C-20
Beauharnois		C-21
PJM		C-22
PSE&G		C-23
UPNY - ConEd		C-24

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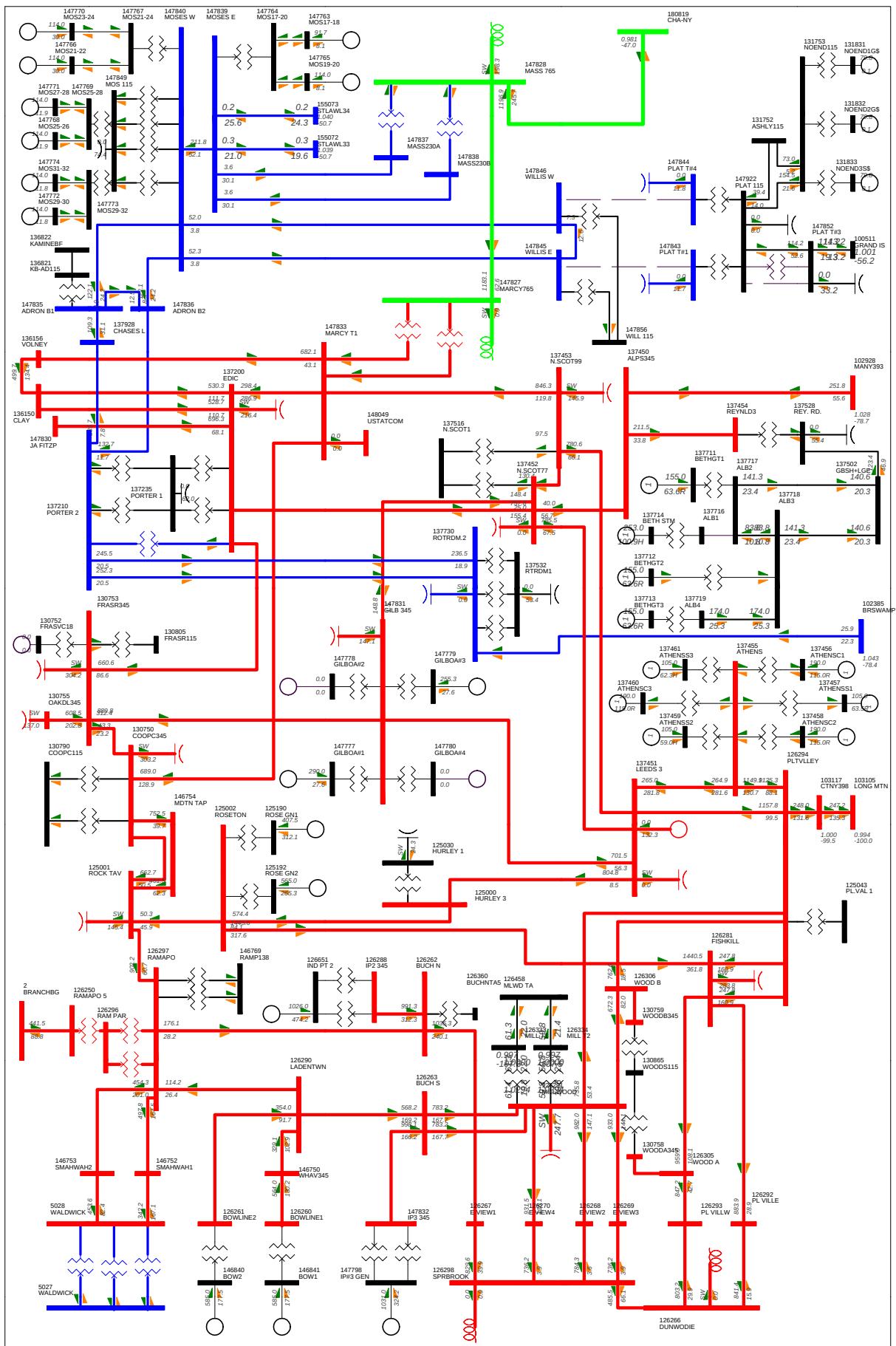
NYISO 2008 SUMMER OPERATING STUDY BASECASE

2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED



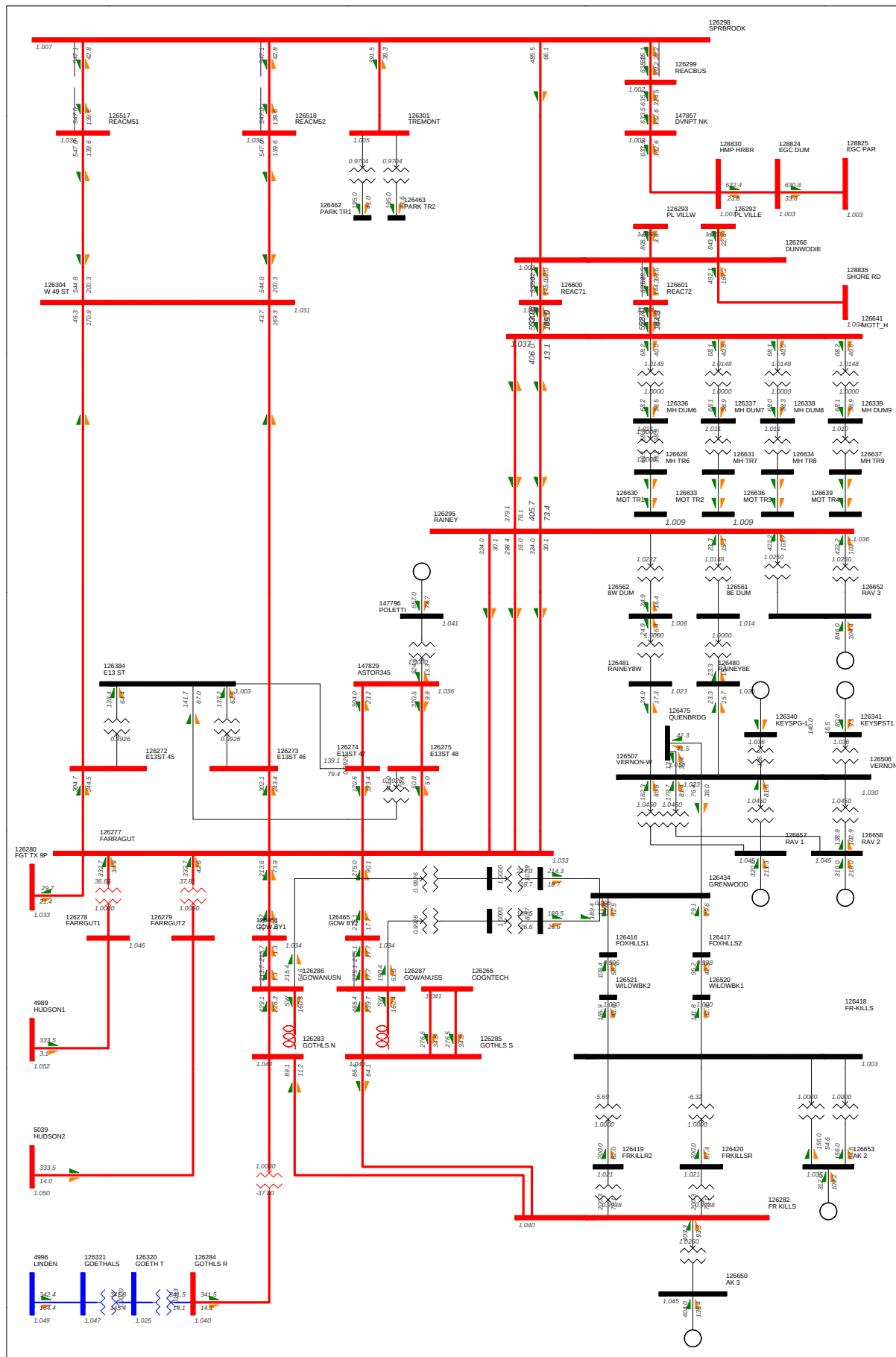


WESTERN NYISO



NYISO 2008 SUMMER OPERATING STUDY BASECASE
 2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED
 WED, APR 23 2008 17:27
 EASTERN NYISO

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

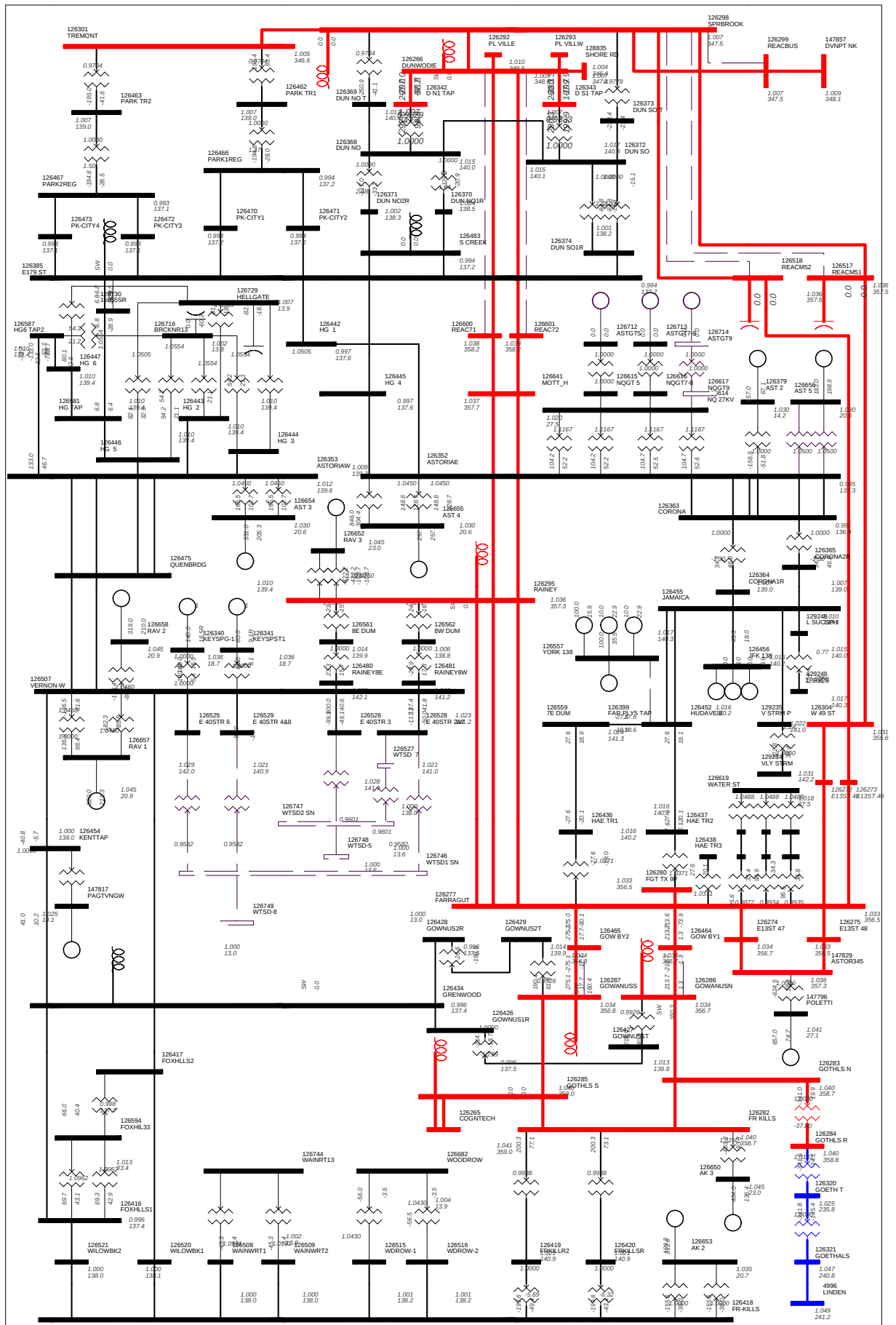


NYISO 2008 SUMMER OPERATING STUDY BASECASE
 2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED
 WED, APR 23 2008 17:51

3) Southern NYISO

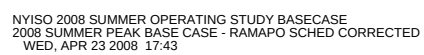
Bus - VOLTAGE (PU)
 Branch - MW/MVAR
 Equipment - MW/MVAR
 KV: <138.000 <230.000 <345.000 >345.000

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



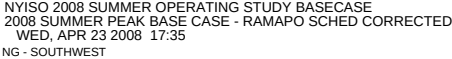
NYISO 2008 SUMMER OPERATING STUDY BASECASE
 2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED
 WED, APR 23 2008 17:15

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



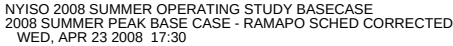
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR

KV: <=100.000<=200.000 300.000 <=400.000 600.000 >600.000

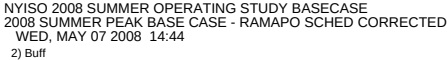


C-13

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

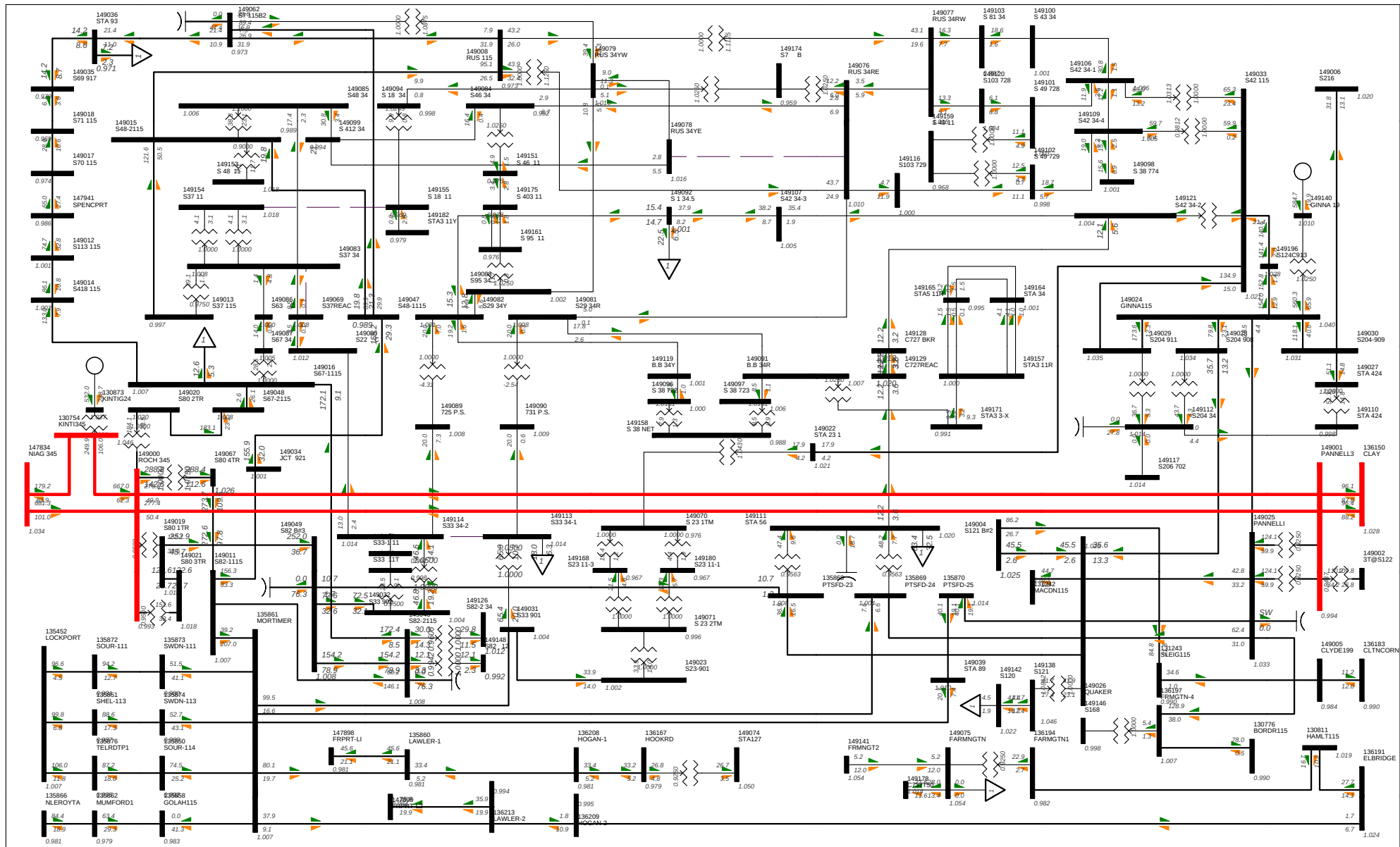


NG LOCKPORT



C-18

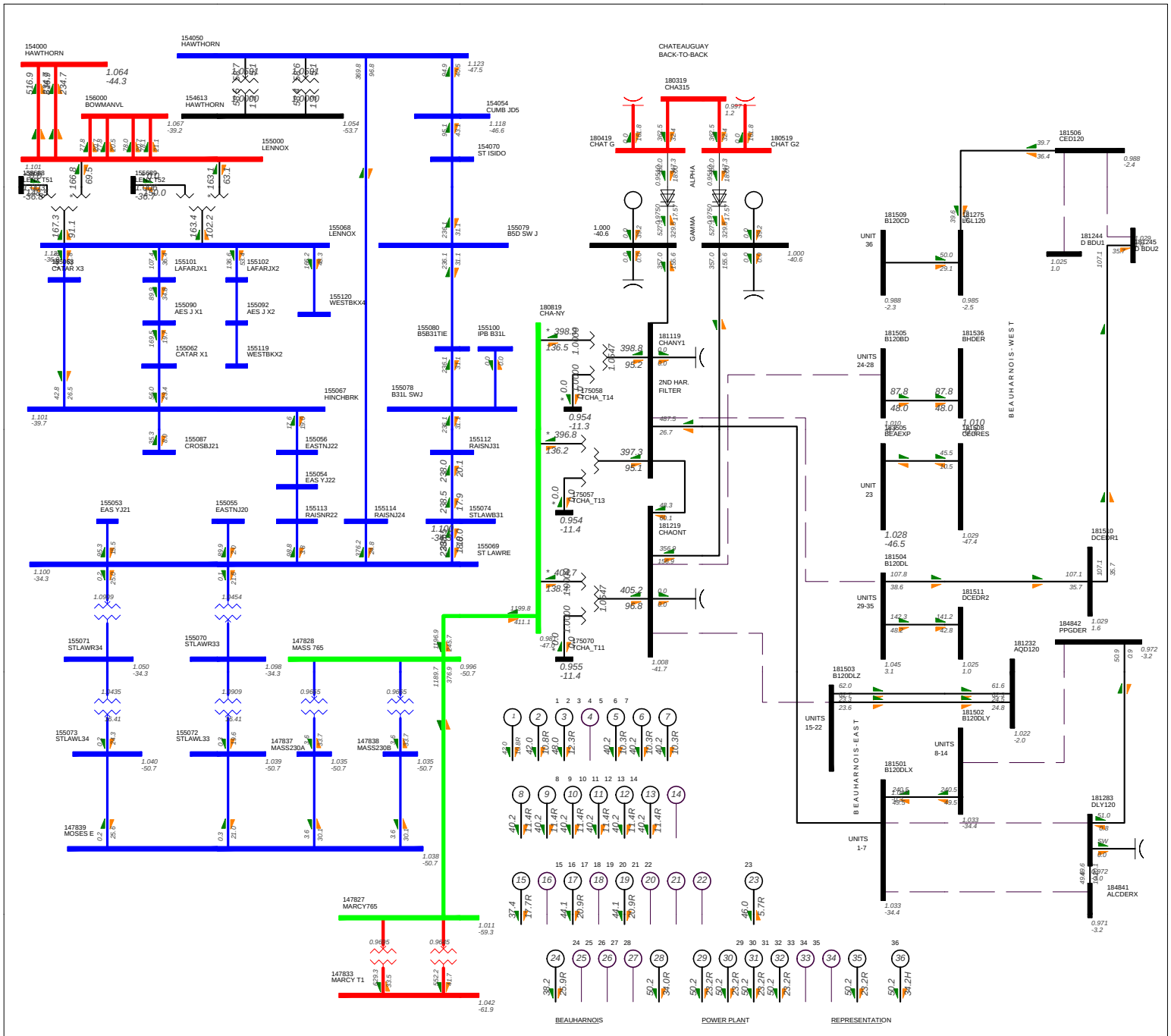
Bus - VOLTAGE (PU)
Branch - MW/MVAR
Equipment - MW/MVAR
KV: <=100.000 <=200.000 <=300.000 <=500.000 <=600.000



NYISO 2008 SUMMER OPERATING STUDY BASECASE
 2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED
 WED, APR 23 2008 17:47

RG&E

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



NYISO 2008 SUMMER OPERATING STUDY BASECASE
 2008 SUMMER PEAK BASE CASE - RAMAPO SCHED CORRECTED
 THU, APR 24 2008 19:55

5) Chat

APPENDIX D

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

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SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
ADIRNDCK-CHASLAKE_230_13	11	230	434	478	560	325233
ADIRNDCK-EDIC_PTR_230_12-AP	12	230	439	478	560	25082
ALBANY__-GREENBSH_115_1	1	115	186	208	237	25860
ALBANY__-GREENBSH_115_2	2	115	186	208	237	25868
ALBANY__-TRINITY__115_5	5	115	198	244	280	25861
ALBANY__-TRINITY__115_9	9	115	147	178	258	25872
ALCOA__-DENNISON_115_12-AD	12	115	176	203	223	25227
ALCOA__-NOGDNBRG_115_13-ANO	9	115	159	159	159	25230
ALCOA_N.-ALCOA____115_R8105		115	206	247	310	25202
AMERISTD_115/12__BK 2	923	115	38	39	42	25429
AMERISTD-GARDNVLB_115_182-3	182	115	129	181	206	26015
ANDOVER_-PALMITER_115_157(932)	932	115	78	85	98	25094
ARSENAL_-REYNOLDS_115_31	31	115	128	147	159	26423
ASH____-TEMPLE__115_9	9	115	207	233	233	26062
ASHLEYRD-MASONCR__115_909	909	115	155	179	193	25847
ASHLEYRD-PLATSBRG_115_700	700	115	174	179	239	25845
ASTORIAE-ASTORIA3_138_34123	34123	138	271	311	400	25876
ASTORIAE-CORONA__138_34181	34181	138	154	239	387	25277
ASTORIAE-CORONA__138_34182	34182	138	154	239	387	25278
ASTORIAE-CORONA__138_34183	34183	138	154	239	387	25279
ASTORIAE-CORONA__138_34184	34184	138	154	239	387	25280
ASTORIAE-CORONA__138_34185	34185	138	154	239	387	25281
ASTORIAE-CORONA__138_34186	34186	138	154	239	387	25282
ASTORIAW-QUENBRDG_138_28241	28241	138	154	239	387	25315
ASTORIAW-QUENBRDG_138_28242	28242	138	154	239	387	25316
ASTORIAW-QUENBRDG_138_28243	28243	138	308	478	645	25317
ASTORIAW-QUENBRDG_138_28244	28244	138	308	478	645	25318
ATHENS_-PLSNTVLY_345_91	91	345	1331	1538	1724	25054
BARRETT_-FREEPORT_138_459	459	138	205	278	313	26425
BATAVIA_-SBATAVIA_115_117	117	115	159	159	159	26017
BATH____-MONTRFL__115_965	965	115	124	139	149	26163
BATNKILL-MULTP-10_115_10	986	115	60	75	102	26121
BATTHILL-PYRITES__115_7-BHP	7	115	76	87	94	26065
BEAR SWP-ROTTRDAM_230_E205W		230	435	435	453	25030
BECK NM_-SWANRD_4_115_104-1	104	115	168	181	199	25042
BECK____-NIAGARA__230_PA27		230	400	460	558	25025
BECK____-NIAGARA__345_PA301		345	1070	1322	1714	25040
BECK____-NIAGARA__345_PA302		345	1070	1322	1714	25041
BECK____-PACKARD__230_BP76		230	478	492	569	25024
BENETTNM-DUNKIRK__115_142-3	142	115	88	101	108	26019
BENNETT_-BATH____115_953	953	115	124	139	159	26164
BERKSHIR-ALPS____345_393	393	345	1434	1649	1912	25034
BETHLHEM-ALBANY__115_18-BA	18	115	329	369	423	26119
BIGTREE_-DAVIS_RD_115_904	904	115	139	163	183	25162
BLACKRVR-CLIMAX__115_1-BC	2	115	116	120	145	26067

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
BLACKRVR-FORTDRUM_115_2-BF	2	115	116	120	145	26068
BLACKRVR-LIGHTHSE_115_6-BLH	6	115	116	120	145	25506
BLISSVIL-WHITEHAL_115_7	7	115	187	217	239	25028
BLUE_CIR-PLSTVYCH_115_8-BP	8	115	116	120	145	25498
BNNINGTN-HOOSICK_115_K6	6	115	150	217	273	25029
BOONVLE-EDIC/PTR_115_1-BP	1	115	116	120	145	26074
BOONVLE-EDIC/PTR_115_2-BP	2	115	116	120	145	26073
BOONVLE-ROME____115_3-BR	5	115	105	114	134	26071
BOONVLE-ROME____115_4-BR	5	115	105	114	134	26072
BORDRCTY-GUARDIAN_115_969	969	115	176	179	179	325283
BOULEVRD-OHIOVLE_69__OB		69	41	44	51	26212
BOWLINE__345_138_BK455		345	506	587	671	25664
BOWLINE_-WHAIVSTRW_345_67-1	67	345	687	747	747	25567
BOWLINE2-CONGERS__138_561	561	138	198	260	267	26723
BRANCHBG-RAMAPO__500_5018	5018	500	999	1303	1751	25019
BRIGHAM_-LUDLUM_B_115_161-2	161	115	168	185	206	26020
BRISTLHL-FULTON__115_7-BF	7	115	105	114	134	26081
BRISTLHL-S.OSWEGO_115_7-SB	7	115	105	114	134	25512
BRNDVLE-KENTS_FL_115_1_911	911	115	112	131	143	26205
BROOK_E_-SPIERFLS_115_1	1	115	116	120	145	25874
BROOK_W_-SPIERFLS_115_2	2	115	116	120	145	25873
BROOKHVN-HOLTSVLE_138_874	874	138	473	520	623	25339
BROOKHVN-RIVRHEAD_138_864	864	138	257	297	332	25553
BROWNFLS-HIGLEY__115_1-BH	1	115	102	122	135	26078
BROWNFLS-TAYLORVL_115_3-BT	3	115	102	120	135	26076
BROWNFLS-TAYLORVL_115_4-BT	4	115	105	114	134	26077
BUCHAN_N-EASTVIEW_345_W93		345	1720	1890	2401	25133
BUCHAN_S-MILLWOOD_345_W97		345	1493	1680	1902	25146
BUCHAN_S-MILLWOOD_345_W98		345	1493	1680	1902	25247
BUCHANAN-MILLWOOD_138_96951	96952	138	275	302	384	25283
BUCHANAN-MILLWOOD_138_96952	96951	138	275	302	384	25284
BULYMO_-BOONVLE_115_6	6	115	105	114	134	325265
BURD_STE-VORHVSLE_115_19-BV		115	105	114	134	26152
BURNS__138_69__BK 519		138	208	258	284	25889
BURNS_-HARNGCRN_138_702	702	138	189	217	228	25881
BURNS_-N.HEMPST_138_531	530	138	236	270	285	25878
BURNS_-NANUET__69__49	491	69	120	138	145	26252
BURNS_-TALLMAN__69__591	591	69	50	104	110	26253
BURNS_-WHAIVSTRW_138_541	919	115	161	177	179	25879
BUTLER_-MOHICAN__115_18-BM	18	115	116	120	145	26434
C_ISLIP-RONKOKMA_138_883	883	138	380	546	657	26497
CANAL__-RIVRHEAD_138_910	910	138	227	263	302	325242
CARMEL_-CROTONFL_115_991	991	115	215	247	275	26155
CARMEL_-WOODSTNY_115_992	992	115	215	247	275	325278
CARR_ST_-DEWITT__115_15-CD	15	115	187	213	236	26093

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
CATON___-HILLSIDE_115_960	958	115	102	113	120	325290
CAVANARD-EDIC_PTR_115_7	7	115	116	120	145	325214
CEDARS___-ROSEMNTA_115_1-CR	1	115	184	184	184	26083
CEDARS___-ROSEMNTB_115_2-CR	2	115	184	184	184	26082
CEMENT___-SAUGRTES_69_H-2		69	62	75	82	26214
CHADWICK-E.WALDEN_115_DW-3		115	176	211	240	26218
CHADWICK-WBALMVLE_115_DW-2		115	175	193	220	26217
CHASLAKE-EDIC_PTR_230_11	11	230	439	505	560	25051
CHATGUAY-MASSENA___765_7040		765	3975	3975	5300	25301
CHESTROR-SUGRLOAF_138_271	27	69	236	270	285	325424
CHRCHTWN-BLUE_S_A_115_13-BC	13	115	119	120	120	26685
CHRCHTWN-CRARYVIL_115_984	984	115	113	144	173	26500
CHURCH_S-ROTRDAM_115_10-AR	10	115	116	120	145	26428
CLAY___345_115_BK 1		345	308	367	405	25387
CLAY___345_115_BK 2		345	478	597	597	25421
CLAY___-DEWITT___115_3-CD	5	115	116	120	145	25519
CLAY___-DEWITT___115_5-CD	3	115	193	213	240	25522
CLAY___-DEWITT___345_13-CD	13	345	1032	1284	1434	25168
CLAY___-EDIC/PTR_345_2-15	42370	345	1301	1434	1434	25169
CLAY___-EDIC_PTR_345_1-16	42036	345	1301	1501	1685	25200
CLAY___-HOPKINS_115_11-CH	11	115	220	239	239	25516
CLAY___-INDPDNCE_345_26	26	345	1670	1931	2210	25858
CLAY___-SOLVAY___115_14-CG_GE	14	115	116	120	145	25517
CLAY___-TEALLAVE_115_10-CT	10	115	116	120	145	25520
CLIMAX___-TAYLORVL_115_8-CT	2	115	105	114	134	26431
CLINTON_-IMC_TAP___115_15-CI		115	105	114	134	26128
CLNTN-NM-STATE_ST_115_971	971	115	108	128	145	25063
CLYDE___-STATE_ST_115_971	3	115	125	143	154	68810
COBBLENM_115/34_BK 1	906	115	40	41	45	25426
COBBLENM-HOMER_HL_115_152-2	152	115	116	120	145	26022
CODNIGTN-E.ITHACA_115_981-1		115	108	128	143	25730
CODNIGTN-ETNA___115_998	998	115	227	253	283	25734
COFFEEN_-BLACKRVR_115_3-CBR	3	115	106	114	119	26069
COFFEEN_-LIGHTHSE_115_5-CL	5	115	116	119	119	25504
COLDENHM-ROCKTVRN_115_J		115	232	257	304	26420
COLLIERS-RICHFELD_115_929	929	115	90	90	90	26169
COLTON___-FLATROCK_115_2-CF	2	115	102	122	135	26088
COLTON___-HIGLEY___115_1-HC	1	115	102	122	135	26087
CONGERS_-W.NYACK___138_562	562	138	212	267	281	25887
COOPERS___345/115_BK 2		345	212	266	300	25433
COOPERS___345/115_BK 3		345	232	296	300	25434
COOPERS_-FERNDAL_115_950	950	115	176	179	179	26171
COOPERS_-MIDDLETP_345_CMT-34		345	1464	1793	1793	25110
COOPERS_-ROCKTVRN_345_CRT-42		345	1554	1733	1793	25111
COOPERS_-WWDBURNE_115_957	957	115	108	120	120	26170

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
CORONA__JAMAICA__138_18001	18001	138	161	245	393	25285
CORONA__JAMAICA__138_18002	18002	138	161	245	393	25286
CORTLAND-FENERWND_115_3	3	115	125	143	154	325248
CORTLAND-TILDEN__115_18-CT	18	115	176	208	236	26089
CORTLAND-TULLERHL_115_947-1	947	115	108	128	143	25059
CURRY_RD-WOLF_RD__115_8	8	115	116	120	145	26254
DANSKAMR-NCHELSEA_115_AC		115	192	211	240	25829
DANSKAMR-NCHELSEA_115_DC		115	177	198	315	25830
DANSKAMR-RYNDS_HL_115_DR		115	212	250	278	25831
DANSKAMR-WBALMVLE_115_DB		115	186	214	237	26221
DAVIS_RD-STOLLERD_115_927	927	115	203	226	239	26172
DEFERIET-TAYLORVL_115_2-DT		115	102	114	134	26090
DELHI__DELHI_TP_115_951-1		115	164	164	164	26174
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	182	197	248	25225
DENNISON-ROSEMNTA_115_1-RD	1	115	176	203	223	25523
DENNISON-ROSEMNTB_115_2-RD	2	115	176	203	223	25524
DENNISON-SANDSTON_115_5-DS	5	115	182	197	248	25226
DEPEW_TP-DEPEW__115_BK 1	921	115	108	120	120	25428
DEPEW_TP-ERIE_ST__115_921	921	115	129	181	206	26010
DEWITT__345_115_BK 2	2	345	517	658	796	25418
DEWITT__TEALLAVE_115_4-DT	4	115	116	120	145	26094
DUNKIRK__230_115_BK 31	41	230	138	174	223	25386
DUNKIRK__230_115_BK 41	31	230	133	190	211	25430
DUNKIRK_-BERRY_RD_115_160-1	160	115	176	197	239	26025
DUNKIRK_-BRIGHAM__115_161-1	161	115	168	181	206	26021
DUNKIRK_-LUDLUM_A_115_162-1	162	115	158	171	199	26027
DUNWODIE_345_138_BK N1_W74		345	307	419	499	25209
DUNWODIE_345_138_BK S1_W73		345	307	419	499	25208
DUNWODIE-DUNWODIE_138_99997 TIE	99997	138	226	317	342	25532
DUNWODIE-E179THST_138_99153	99153	138	223	314	396	25287
DUNWODIE-MOTTHAVN_345_71	71	345	704	765	1077	25151
DUNWODIE-MOTTHAVN_345_72	72	345	704	765	1077	25191
DUNWODIE-SHERMCRK_138_99031	99031	138	141	176	248	25193
DUNWODIE-SHERMCRK_138_99032	99032	138	194	293	390	25239
DUNWODIE-SHORE_RD_345_Y50		345	599	877	1416	25091
E.ITHACA-ETNA__115_981-2		115	84	101	143	25733
E.SAYRE_-NWAVERLY_115_956	956	115	90	124	124	25013
E.TWANDA-HILLSIDE_230_70	70	230	483	531	554	25014
E.WALDEN-COLDENHM_115_CW		115	232	257	304	26225
E.WALDEN-MODENA__115_EM		115	232	257	304	25832
E13THSTA_345/138_BK 10	37374	138	251	280	305	25467
E13THSTA_345/138_BK 11	37375	138	273	288	315	25468
E13THSTA_345/138_BK 12	37376	138	273	288	315	25463

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
E13THSTA_345/138_BK 13	37377	138	261	288	315	25464
E13THSTA_345/138_BK 14	37373	138	251	280	305	25465
E13THSTA_345/138_BK 15	37372	138	274	312	343	25466
E13THSTA_345/138_BK 16	37378	138	270	304	338	25469
E13THSTA_345_69_BK 17	44371	69	247	321	409	25459
E13THSTA-FARRAGUT_345_45	45	345	726	882	1258	25190
E13THSTA-FARRAGUT_345_46	46	345	726	882	1258	25251
E13THSTA-FARRAGUT_345_47		345	419	683	1124	25177
E13THSTA-FARRAGUT_345_48	48	345	419	683	1124	25252
E179THST-HELLGATE_138_15053	15053	138	161	245	393	25289
E179THST-HELLGATE_138_15054	15054	138	161	245	393	25290
E179THST-HELLTP_W_138_15055	15055	138	222	328	480	25288
E179THST-PARKCHTR_138_38X01		138	108	151	189	25327
E179THST-PARKCHTR_138_38X02		138	108	151	189	25328
E179THST-PARKCHTR_138_38X03		138	108	151	189	25329
E179THST-PARKCHTR_138_38X04		138	108	151	189	25330
EAST WALDEN - ROCK TAVERN		115	232	265	311	69037
EAST WALDEN - ROCK TAVERN		115	232	265	311	69038
EASTVIEW_345/138_BK 1N	87873	138	370	424	424	25472
EASTVIEW_345/138_BK 1S	87871	138	370	424	424	25373
EASTVIEW_345/138_BK 2N	87874	138	370	424	424	25471
EASTVIEW_345/138_BK 2S	87872	138	370	424	424	25470
EASTVIEW-SPRNBK_345_W64		345	2293	2708	3236	25143
EASTVIEW-SPRNBK_345_W65		345	1720	2214	2657	25144
EASTVIEW-SPRNBK_345_W78		345	2293	2708	3236	25346
EASTVIEW-SPRNBK_345_W79		345	1720	2214	2657	25153
EDIC/PTR-FRASER_345_EF24-40		345	1380	1380	1380	25112
EDIC/PTR-N.SCTLND_345_14-EN	14	345	1331	1538	1724	25170
EDIC/PTR-ROTTRDAM_230_30-PR	30	230	440	505	560	25173
EDIC/PTR-ROTTRDAM_230_31-PR	31	230	439	505	560	25194
EDIC/PTR-VALLEY_115_4-PV	4	115	116	120	145	25231
EDIC_PTR_230_115_BK 1P	2	230	269	320	338	25389
EDIC_PTR_230_115_BK 2P	1	230	269	320	338	25423
EDIC_PTR_345_115_BK 3E		345	455	540	679	25424
EDIC_PTR_345_115_BK 4E		345	505	629	794	25454
EDIC_PTR_345_230_BK 2E	17	230	478	562	637	25422
EDIC_PTR-WATKINRD_115_5-PW	2	115	116	120	145	25232
EELPOTRD-MEYER_115_968	968	115	108	128	143	325288
EFISHKIL_345_115_BK 1		345	412	497	531	25724
EFISHKIL-WOOD_ST_345_F38		345	1839	2606	3105	25367
EFISHKIL-WOOD_ST_345_F39		345	1839	2606	3400	25368
EGRDNCTY_345/138_BK 1		345	444	556	761	25551
EGRDNCTY_345/138_BK 2		345	444	556	761	25552
EGRDNCTY-CARLPLCE_138_361	361	138	257	297	332	25533
EGRDNCTY-EGRDNCTR_345_Y49_ST		345	637	900	1329	325158

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
EGRDNCTY-NEWBRIDGE_138_462	462	138	230	312	396	25303
EGRDNCTY-NEWBRIDGE_138_463	463	138	230	338	481	25304
EGRDNCTY-NEWBRIDGE_138_465	465	138	248	358	488	25535
EGRDNCTY-ROSLYN___138_362	362	138	257	297	332	25534
EKINGSTN-RHINEBCK_115_LR-2		115	175	193	220	26222
ELBRIDGE_345_115_BK 1		345	470	557	717	25448
ELBRIDGE-GRS_LOCK_115_19-EG	19	115	116	120	145	26097
ELBRIDGE-GRS_LOCK_115_3-EG	3	115	145	151	185	26098
ELBRIDGE-HYATT___115_15-EH	15	115	129	148	160	25109
ELBRIDGE-LAFAYTTE_345_17-LE	17	345	940	1562	1912	25149
ELBRIDGE-MILTON_C_115_18-EM	18	115	129	148	160	26095
ELBRIDGE-STATE_ST_115_5_972	972	115	119	137	149	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	80	110	131	25729
ERIE SO.-S.RIPLEY_230_69	69	230	499	607	617	25016
ERIE ST - DEPEW TAP	921	115	108	120	120	25086
ERIE_ST_-PAVNMTRD_115_926	926	115	176	179	179	26175
ETNA___-LAPEER___115_947-3		115	119	147	159	26179
ETNA___-TULLERHL_115_947-2	947	115	108	128	143	26192
ETNA___-WILLET___115_945-2	945	115	108	128	145	25731
FAIRPRTA-HOOK_TAP_115_1-FH	3	115	145	151	185	26327
FAIRPRTB-ELBRIDGE_115_2-FE	2	115	129	144	158	26099
FALCONER-HOMER_HL_115_153	153	115	128	147	159	26033
FALCONER-HOMER_HL_115_154	154	115	128	147	159	26032
FARMGTN_-BORDRCTY_115_977	977	115	150	179	195	25057
FARMGTN_-HAMLTNM_115_1-HF	1	115	145	151	185	26101
FARRAGUT-GOWANN41_345_41	41	345	618	807	1183	25141
FARRAGUT-GOWANS42_345_42	42	345	618	807	1183	25140
FARRAGUT-HUDS_AVE_138_32077	32077	138	110	155	195	25291
FARRAGUT-HUDS_AVE_138_32078	32078	138	110	155	195	25292
FARRAGUT-HUDS_AVE_138_32711	32711	138	110	155	195	25293
FENERWND-ONEIDA___115_8	3	115	146	157	159	25894
FERNDAL-EEWDBURNE_115_959	959	115	90	90	90	26180
FEURABSH-NCATSKLL_115_2-FN	2	115	116	120	145	25067
FEURABSH-REYNOLDS_115_17-FR	17	115	254	292	333	25862
FISHKPLN-EFISHKIL_115_HF		115	198	229	259	26227
FISHKPLN-SYLVANLK_115_FP		115	232	253	312	25066
FITZPTRK-EDIC/PTR_345_FE1		345	1434	1434	1912	25077
FLATROCK-BROWNFLS_115_2-FBF	2	115	102	122	135	26079
FLATSTR_-EELPOTRD_115_968	968	115	108	128	143	325287
FORGEBRK-SHENDOAH_115_FS		115	193	213	240	26229
FORTDRUM-DEFERIET_115_2-FD		115	116	120	145	26091
FOXHILLS-WILLWBRK_138_29211-1		138	169	271	452	25771
FOXHILLS-WILLWBRK_138_29212-1		138	169	271	452	25772

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
FRASER___345/115_BK 2		345	305	386	420	25391
FRASER___-COOPERS___345_33	33	345	1207	1404	1703	25236
FRASER___-GILBOA___345_GF5-35	35	345	1428	1524	1524	25060
FRASERNY-DELHI_TP_115_951-3		115	239	239	239	26202
FREEPORT-NEWBRDGE_138_461	461	138	178	273	405	25155
FRESHKLS_138C_138A_R1_21191	21191	138	275	387	486	25639
FRESHKLS_138C_138B_R2_21192	21192	138	272	372	440	25640
FRESHKLS_345_138_TA 1		138	275	387	486	25457
FRESHKLS_345_138_TB 1		138	272	372	440	25458
FRONT_ST-ROSA_RD_115_11	11	115	200	239	239	26274
FTZPK_NM-LIGHTHSE_115_3-FLH	3	115	116	120	145	25502
FULTON___-CLAY___115_4-FC	4	115	116	120	145	25518
GARDNVLA_230/115_BK 6		230	316	409	420	25405
GARDNVLA_230/115_BK 7		230	204	246	300	25435
GARDNVLA-BIGTREE___115_903	904	115	139	163	183	325284
GARDNVLA-GIRDLERD_115_705	705	115	215	239	239	25116
GARDNVLA-STOLLERD_230_66	66	230	474	478	478	25180
GARDNVLB_230_115_BK 2	2	230	258	280	354	25385
GARDNVLB_230_115_BK 3	3	230	141	183	250	25416
GARDNVLB_230_115_BK 4	4	230	141	183	250	25417
GARDNVLB-ARCADE___115_151-1	151	115	116	120	145	26040
GARDNVLB-BETHWEST_115_149	149	115	278	318	318	325317
GARDNVLB-BETHWEST_115_150	150	115	278	318	318	325318
GARDNVLB-COBBLENM_115_152-1	152	115	116	120	145	26023
GARDNVLB-DUNKIRK___230_73	73	230	556	637	637	25166
GARDNVLB-DUNKIRK___230_74	74	230	556	637	637	25197
GARDNVLB-GARDNVLA_115_GARD-NY		115	550	682	947	25085
GARDNVLB-GARDNVLA_230_T8-12		230	663	739	773	25089
GARDNVLB-ST_139_A_115_141-1	141	115	88	101	108	26038
GARDNVLB-ST_139_B_115_142-1	142	115	88	101	108	26037
GARDNVLB-WALDEN___115_54-1	54	115	129	181	206	26035
GE_R_D___-GROOMS___115_20_15	20	115	200	217	260	26266
GILBOA___-LEEDS___345_GL3		345	1428	1605	1912	25219
GILBOA___-N.SCTLND_345_GNS1		345	1242	1386	1589	25052
GINNA___-PANNELL___115_912	912	115	207	247	285	25260
GINNA___-S42___115_913	913	115	213	233	237	26281
GINNA___-STA_204___115_908-1	908	115	252	302	355	26282
GINNA___-STA_204___115_911-1	911	115	252	302	394	26283
GIRDLERD-STOLLERD_115_706	706	115	203	226	239	325161
GLENWD___-CARLPLCE_138_363	363	138	291	321	372	25554
GLENWDGT-ROSLYN___138_364	364	138	291	321	372	25556
GOETHLSS-FRESHKLS_345_21	21	345	920	1010	1283	25138
GOETHSLN_345/230_BK 1		345	528	727	817	25642
GOETHSLN-FRESHKLS_345_22	22	345	982	1391	1624	25137
GOLAH___-MORTIMER_115_110	110	115	130	136	159	26034

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
GOWANUSA-GREENWD__138_42G24		138	244	268	268	26007
GOWANUSC-GREENWD__138_42G13		138	239	268	268	26006
GOWANUSN_138A_138B_PAR R2		138	238	276	328	25793
GOWANUSN_345_138_BK T2		138	238	276	328	25476
GOWANUSN-GOETHSLN_345_25	25	345	460	683	1022	25139
GOWANUSN-GREENWD__138_42231	42232	138	226	301	409	25214
GOWANUSS_138A_138B_PAR R14		138	238	276	328	25794
GOWANUSS_345_138_BK T14		138	238	276	328	25475
GOWANUSS-GOETHLSS_345_26	26	345	460	683	1022	25571
GOWANUSS-GREENWD__138_42232	42231	138	226	301	409	25215
GREENBSH-CHRCHTWN_115_14-GC	14	115	129	166	199	26126
GREENBSH-FT_ORAN_115_15	15	115	124	138	159	26130
GREENBSH-STEPHTWN_115-993	993	115	35	43	57	26447
GREENDGE-FLATSTR__115_968	968	115	108	128	143	26185
GREENDGE-MONTRFL__115_967	967	115	108	128	143	26184
GREENDGE-MONTRFL__115_970	970	115	124	139	159	26183
GREENLWN-ELWOOD__138_673	673	138	394	466	568	25546
GREENLWN-SYOSSET__138_676	676	138	269	358	541	25548
GREENWD_-FOXHILLS_138_29231	29231	138	154	239	387	25321
GREENWD_-FOXHILLS_138_29232	29232	138	154	239	387	25322
GRMVL-CH-HONK_FLS_69_HG-1		69	33	33	33	26233
GRMVL-CH-NEVRSNK_69_HG-2		69	39	41	49	26232
GROOMS_-JOHNSON__115_13	13	115	220	252	280	26267
GRS_LOCK-S.OSWEGO_115_9-GS	9	115	142	151	185	25510
GRS_LOCK-SOLVAY__115_8-GS	8	115	116	120	145	26103
GRS_LOCK-TILDEN__115_16-GT	16	115	116	120	145	26102
GUARDIAN-HALEYRD__115_969	969	115	176	179	179	26167
HALEYRD_-GREENDGE_115_969	969	115	176	179	179	325294
HAMILTON RD - LONG BR N.M.	983	115	155	179	193	69053
HAMILTON RD - MORTIMER N.M.	983	115	155	179	193	69138
HAMLTNNM-ELBRIDGE_115_1-HE	1	115	155	179	193	26096
HAMLTNNM-HAMLTNNY_115_BK1	1	115	30	37	56	25394
HANCOCK_-HAZEL___115_955-1	955	115	102	113	120	26187
HARNGCRN-CLOSTER_69_46	46	69	118	135	142	26258
HARNGCRN-MONTVALE_69_658	658	69	104	133	141	26260
HARNGCRN-W.NYACK_69_701	701	69	118	135	142	26259
HARRIMAN-HILLBURN_69_31_311	31	69	118	135	142	26261
HARSNRAD-ROBNSNRD_115_907	907	115	215	247	275	26162
HAUPPAUG-C_ISLIP_138_889	889	138	230	346	420	25681
HELLGATE-ASTORIAE_138_34051	34051	138	161	245	393	25323
HELLGATE-ASTORIAE_138_34052	34052	138	161	245	393	25324
HELLGATE-ASTORIAW_138_24051	24051	138	177	249	480	25210
HELLGATE-ASTORIAW_138_24052	24052	138	177	249	480	25211
HELLGATE-ASTORIAW_138_24053	24053	138	140	186	186	25212
HELLGATE-ASTORIAW_138_24054	24054	138	140	186	186	25213

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
HICKLING-CATON___115_958	958	115	102	113	120	26189
HICKLING-RIDGE_RD_115_964	964	115	96	124	147	26188
HILLBURN_138_69__BK 317		138	187	230	265	26330
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882
HILLBURN-RINGWOOD_69__89	89	69	118	135	142	26262
HILLBURN-S.MAHWAH_69__65	65	69	139	159	167	26263
HILLSIDE_230_115_BK 3		230	231	294	336	25397
HILLSIDE_230_115_BK 4		230	410	511	630	25046
HILLSIDE-CHEMUNG__115_962	962	115	150	176	179	25726
HILLSIDE-WATRCURE_230_69	69	230	504	584	657	25181
HINMAN__-HARSNRAD_115_908	908	115	238	287	306	26161
HOLBROOK-BROOKHVN_138_887	887	138	390	435	498	25340
HOLBROOK-HOLTSVLE_138_888	888	138	731	809	935	25542
HOLTSVLE-UNIONAVE_138_818	818	138	172	224	390	25584
HOMER C_-STOLLERD_345_37	37	345	605	757	840	25036
HOMER C_-WATRCURE_345_30	30	345	926	927	927	25018
HOMER_HL-NILE_____115_157-1	157	115	78	85	98	26041
HONK_FLS-HIGH_FLS_69__HK		69	33	41	48	26237
HONK_FLS-MODENA__69__MK		69	33	41	44	26236
HOOK_TAP-FARMGTN__115_1-HF	1	115	145	151	185	26100
HOOK_TAP-HOOK_RD__115_BK3	3	115	129	151	185	26503
HOPKINS_-TEALLAVE_115_11-HT	11	115	220	239	239	26105
HUDS_AVE-JAMAICA__138_701	701	138	129	213	366	25294
HUDS_AVE-JAMAICA__138_702	702	138	129	213	366	25295
HUDSON_-PLSNTVLY_115_12-HP	12	115	119	129	158	25499
HUDSONP_-FARRAGUT_345_B3402		345	519	699	795	25020
HUDSONP_-FARRAGUT_345_C3403		345	497	705	761	25038
HUNTLEY__115/23__BK 110		115	62	71	96	25907
HUNTLEY__230/23__BK 130		230	131	148	250	25909
HUNTLEY__230/23__BK 140		230	131	148	250	25910
HUNTLEY_-SAWYER__230_79	79	230	566	654	755	25127
HUNTLEY_-SAWYER__230_80	80	230	566	654	755	25128
HUNTLEY_-ST_60_36_115_36-1	36	115	145	151	185	26046
HUNTLEY_-ST_60_37_115_37-1	37	115	145	151	185	26045
HUNTLEY_-STA_129__115_39-1	39	115	145	151	185	26044
HUNTLEY_-STA_154__115_38-1	38	115	145	151	185	26047
HURLYAVE_345/115_BK 1		345	419	481	488	25419
HURLYAVE-BOULEVRD_69__I		69	62	73	82	26213
HURLYAVE-LINCNP RK_115_HP		115	198	229	259	25833
HURLYAVE-OHIOV LLE_115_OR		115	129	183	211	25834
HURLYAVE-ROSETON__345_303	303	345	1395	1623	1870	25218
HYATT___115/34__BK 1	1	115	54	67	100	70329
HYATT___-BORDRCTY_115_979	979	115	129	148	160	25106
IMC_TAP_-MECO_____115_15-IM	15	115	105	114	134	26132
INDK-OSW-LIGHTHSE_115_2-ILH	2	115	114	120	142	25503

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
INDN_PT3-BUCHAN_S_345_W96		345	1574	1762	1991	25570
INDPDNCE-SCRIBA__345_25	25	345	1670	1931	2211	25859
INGHAM_C_115_115_PAR 2	2	115	167	197	239	25242
INGHAM_C-INGHAM_E_115_R81		115	182	197	239	25243
INGHAM_E-ESPRGFLD_115_942-1	941	115	80	106	131	25061
INGHAM_E-IMC_TAP__115_15-II		115	105	114	134	25871
INGHAM_E-STJHNVLE_115_6-IS	6	115	86	90	107	26133
INGHAM_E-STONER__115_9-IS	12	115	105	114	134	25863
JAMAICA_-LAKSUCSS_138_903	903	138	238	341	428	25090
JAMAICA_-VALLYSTR_138_901 L_M		138	272	361	441	25048
JENNISON-DELHI__115_949	949	115	80	110	120	26173
JENNISON-HANCOCK__115_954	954	115	102	113	120	26186
JENNISON-KATTLVLE_115_943	943	115	110	139	159	25898
JOHNSON_-MAPLEWOD_115_12	12	115	129	182	239	26268
KATONAH_-AMAWALK__115_995	991	115	215	247	275	325279
KATONAH_-CROTONFL_115_991	991	115	215	247	275	26157
KENTAVE_-GREENWD__138_31231-2		138	154	239	387	25298
KENTAVE_-GREENWD__138_31232-2		138	154	239	387	25299
KENTS_FL-MASONCR__115_913	913	115	120	120	120	26207
KINTIGH_-ROCHESTR_345_SR-1	39	345	1301	1501	1685	25073
KNAPPCRN-PLSNTVLY_69__G		69	41	44	51	26239
KNAPPCRN-SANDDOCK_115_KB/KC		115	198	226	259	26240
LADENTWN-BOWLINE__345_68	68	345	687	747	747	25249
LADENTWN-BUCHAN_S_345_Y88		345	1703	1890	2401	25185
LADENTWN-WHAVSTRW_345_67-2	67	345	1720	2214	2657	25248
LAFAYTTE-DEWITT__345_22-DL	22	345	1670	1912	1912	25174
LAFAYTTE-OAKDALE__345_4-36	36	345	1255	1380	1380	25049
LANGDON_-NORTHSDE_115_936	936	115	176	196	225	26160
LAUREL L-GOUDEY__115_952	952	115	108	128	143	25012
LEEDS__-ATHENS__345_95	95	345	1331	1538	1724	25789
LEEDS__-HURLYAVE_345_301	301	345	1395	1623	1870	25055
LEEDS__-PLSNTVLY_345_92	92	345	1331	1538	1724	25056
LIGHTHSE-CLAY__115_7-CL	7	115	116	120	145	25521
LINCNP RK-EKINGSTN_115_LR-1		115	193	213	240	26223
LINDENP_-GOETHSLN_230_A2253		230	511	708	736	25017
LOCKPORT-HINMAN__115_100	100	115	220	252	280	25087
LOCKPORT-N.AKRN_1_115_108-2	108	115	130	136	165	25266
LOCKPORT-OAKFIELD_115_112-1	112	115	131	144	158	25300
LOCKPORT-SWEDEN_A_115_111-1	111	115	131	144	159	25262
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	143	165	180	25264
LOCUSTGR-NEWRDGE_138_558	558	138	359	466	568	25158
LONG_MTN-PLSNTVLY_345_398	398	345	1135	1317	1601	25033
LONGLANE-BLUE_CIR_115_6-BS	6	115	116	120	145	25864

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
LOVETT___138_69__BK 147		138	94	130	149	26331
LOVETT__-BOWLINOR_138_56	562	138	234	267	281	25877
LOVETT__-W.NYACK__69__55_551	551	69	95	108	114	25886
LU DLUM_A-FALCONER_115_162-2	162	115	88	101	108	26031
LU DLUM_B-FALCONER_115_161-3	161	115	88	101	108	26030
MALONE__-NICH LVLE_115_3-NM	3	115	129	182	199	25585
MALONE__-WILLIS___115_1-MW	910	115	129	159	175	25586
MANCHSTR-KNAPPCRN_115_MC		115	198	226	259	26241
MAPLEWOD-ARSENAL___115_15	31	115	129	176	224	25844
MAPLEWOD-MENANDS___115_19-MM	19	115	113	124	135	25870
MARCY___765_345_BK 1		765	1488	1668	1718	25455
MARCY___765_345_BK 2		765	1488	1650	1971	25456
MARCY___-COOPERS___345_UC2-41	41	345	1345	1345	1345	25113
MARCY___-EDIC_PTR_345_UE1-7		345	1677	1792	1792	25229
MARCY___-N.SCTLND_345_18	18	345	1488	1650	1792	25276
MARSHVLE-CLINTON___115_12	12	115	159	159	159	325267
MASSENA___765_230_BK 1		765	936	1151	1348	25665
MASSENA___765_230_BK 2		765	936	1151	1348	25666
MASSENA_-MARCY___765_MSU1		765	3975	3975	5300	25224
MCADOO__-BATTHILL_115_6-MBH	6	115	76	87	94	26064
MCINTYRE-COLTON___115_8-MC	8	115	76	87	94	25514
MCINTYRE-MCADOO___115_6	6	115	76	87	94	26108
MECO___-CHURCH_S_115_10-AM	10	115	116	120	145	26120
MENANDS_-REYNOLDS_115_2-MR	2	115	217	250	280	26135
MENANDS_-RIVERSDE_115_3-MR	3	115	165	184	211	26134
MEYER___230/115_BK 4		230	231	294	336	25398
MEYER___-BENNETT_115_966	966	115	125	152	179	26166
MEYER___-HILLSIDE_230_68	68	230	383	383	383	25176
MIDDLEOR-SHOEMAKR_138_29	29	138	527	603	636	26468
MIDDLETP_345_138_BK 114		345	506	587	671	26465
MIDDLETP-ROCKTVRN_345_MTR-34		345	1464	1793	1793	26464
MILAN___-PLSTVYCH_115_10	10	115	124	138	158	26433
MILAN___-RHINEBCK_115_MR		115	175	193	220	26242
MILLERPL-HOLBROOK_138_885	885	138	433	480	586	26691
MILLIKEN-ETNA___115_974	974	115	185	224	255	26177
MILLIKEN-ETNA___115_975	975	115	185	224	255	26178
MILLWOOD_345_138_TA 1	96922	138	216	307	346	25530
MILLWOOD_345_138_TA 2	96921	138	205	297	321	25531
MILLWOOD-EASTVIEW_345_W82		345	2293	2708	3236	25147
MILLWOOD-EASTVIEW_345_W85		345	2293	2708	3236	25258
MILLWOOD-EASTVIEW_345_W99		345	2293	2708	3236	25255
MILTON_C-GRS_LOCK_115_18-MG	18	115	129	148	160	26104
MODENA___115/69__TR 1		115	33	41	53	26325
MODENA__-OHIOVLE_115_PX		115	232	253	304	25835
MOHICAN_-BATNKILL_115_15-BM	15	115	105	114	134	26122

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
MOHICAN_-MULTP-3__115_3	3	115	116	120	145	26687
MONROE_-HARRIMAN_69_312	312	69	118	135	142	26269
MONROE_-SUGRLOAF_69_313	313	69	118	135	142	26270
MONTRFL_-CODNIGTN_115_982	982	115	108	128	144	25728
MONTRFL_-RIDGE_RD_115_978-2	978	115	108	128	145	26197
MONTVALE-GRANDAV__69__656	652	69	84	95	98	26271
MORTIMER-FAIRPRTA_115_1-FM	1	115	129	151	185	25163
MORTIMER-FAIRPRTB_115_2-FM	2	115	129	144	158	25240
MORTIMER-PITSFRDB_115_24-1	24	115	129	148	160	25096
MORTIMER-PITSFRDC_115_25-1	25	115	114	123	142	25095
MOSES____230/115_BK 1		230	401	490	646	25411
MOSES____230/115_BK 2		230	401	490	646	25451
MOSES____230/115_BK 3		230	192	240	287	25452
MOSES____230/115_BK 4		230	537	598	773	25453
MOSES____-ADIRNDCK_230_MA1		230	348	359	440	25269
MOSES____-ADIRNDCK_230_MA2		230	348	386	440	25270
MOSES____-ALCOA_N_115_MAL4		115	218	253	291	25582
MOSES____-ALCOA_N_115_MAL6		115	218	253	291	25581
MOSES____-ALCOA_S_115_MAL5		115	238	275	310	25583
MOSES____-MASSENA_230_MMS1		230	936	1151	1348	25274
MOSES____-MASSENA_230_MMS2		230	936	1151	1348	25275
MOSES____-WILLIS__230_MW1		230	349	386	440	25188
MOSES____-WILLIS__230_MW2		230	349	386	440	25271
MOSHIER_-TAYLORVL_115_7-MT	7	115	49	49	49	26109
MOTTHAVN-RAINEY__345_Q11		345	704	765	1077	325430
MOTTHAVN-RAINEY__345_Q12		345	704	765	1077	325431
MOUNTAIN-NIAGARA	121	115	176	211	240	25070
MOUNTAIN-NIAGARA(PASNY)	122	115	176	211	240	25072
MOUNTAIN-SWANRD_3_115_103-2	103	115	168	181	199	26054
MULTP-3_-N.TROY__115_3	3	115	105	114	119	26475
N.AKRN_1-BATAVIA__115_107-3	107	115	159	159	159	25124
N.AKRN_1-BATAVIA__115_108-1	108	115	125	136	154	25125
N.END____-ASHLEYRD_115_702	702	115	287	333	388	25846
N.END____-PLATSBURG_115_701	701	115	239	239	239	25848
N.HEMPST-WHAVSTOR_138_530	530	138	236	270	285	26506
N.SCTLND_345/115_BK 1		345	458	474	489	25445
N.SCTLND_345/115_BK 2		345	455	461	484	25460
N.SCTLND-ALBANY__115_8-NA	8	115	278	321	368	25496
N.SCTLND-ALPS____345_2-AN	2	345	1204	1326	1685	25217
N.SCTLND-ALTAMONT_115_20-NV	20	115	116	120	145	25492
N.SCTLND-BETHLHEM_115_4-NB	4	115	241	265	319	25497
N.SCTLND-FEURABSH_115_3-NF	3	115	254	292	333	25495
N.SCTLND-FEURABSH_115_9	9	115	116	120	145	25490
N.SCTLND-LEEDS____345_93-LN	93	345	1331	1538	1724	25171
N.SCTLND-LEEDS____345_94-LN	94	345	1331	1538	1724	25203

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
N.SCTLND-PLASTICS_115_7	7	115	116	120	145	25491
N.SCTLND-ROTTRDAM_115_13-NR	13	115	241	265	318	25494
N.SCTLND-VORHVSLE_115_19-NV	19	115	105	114	134	25493
N.TROY_-HOOSICK_115_5-NHF	5	115	200	245	280	26131
N.TROY_-REYNOLDS_115_16-NR	16	115	182	197	237	26139
N.TROY_-WYNTKLN_115_14-NW	14	115	176	211	237	26137
NBRDWYNM-ERIE_ST_115_922	922	115	124	139	159	26011
NCATSKLL-CEMENT_69_H-1		69	77	81	97	26215
NCATSKLL-MILAN_115_T7		115	124	138	159	26243
NCHELSEA_115/69_BK TR1		115	33	41	53	25836
NCHELSEA-FISHKPLN_115_NF		115	217	250	278	26228
NCHELSEA-FORGEBRK_115_FO		115	176	211	240	26230
NCHELSEA-KNAPPCRN_69_TY		69	41	44	51	26220
NEPTUNE_-DUFFYAVE_345_NEPTUNE		345	660	785	785	325304
NEWBRDGE-EGRDNCTY_138_467	467	138	282	422	474	325378
NEWBRDGE-PILGRIM_138_563	563	138	377	546	657	25536
NEWBRDGE-RULAND_138_561	561	138	257	297	332	25305
NEWBRDGE-RULAND_138_562	562	138	257	297	332	25306
NEWBRDGE-RULAND_138_567	567	138	279	422	473	325379
NEWKRMKL-ALBANY_115_7	7	115	275	303	354	325257
NIAGARA_230/115_BK T1		230	192	239	288	25409
NIAGARA_230/115_BK T2		230	249	359	424	25410
NIAGARA_345/230_BK 3		345	384	479	575	25408
NIAGARA_345/230_BK 4		345	767	943	1104	25449
NIAGARA_345/230_BK 5		345	384	479	575	25450
NIAGARA_-GARDNVLB_115_180	180	115	160	166	206	25104
NIAGARA_-KINTIGH_345_NS1-38	38	345	1301	1501	1685	25074
NIAGARA_-LOCKPORT_115_101	101	115	233	253	318	25267
NIAGARA_-MOUNTAIN_115_120	120	115	176	211	258	25135
NIAGARA_-PACKARD_115_191	191	115	248	275	328	25075
NIAGARA_-PACKARD_115_192	192	115	248	275	328	25099
NIAGARA_-PACKARD_115_193	194	115	248	275	328	25100
NIAGARA_-PACKARD_115_194	193	115	248	275	328	25101
NIAGARA_-PACKARD_115_195	195	115	248	275	328	25102
NIAGARA_-PACKARD_230_61		230	620	717	841	25186
NIAGARA_-PACKARD_230_62		230	620	717	841	25220
NIAGARA_-ROBNSNRD_230_64	64	230	496	550	657	25088
NIAGARA_-ROCHESTR_345_NR2		345	1301	1501	1685	25084
NIAGARA_-SANDBORN_115_102-2	102	115	233	253	318	25103
NIAGBLVD-NBRDWYNM_115_181-2	181	115	160	166	206	26057
NICHLVLE-PARISHVL_115_3-PN	3	115	125	143	154	26110
NINEMILE-CLAY_345_8-NC	8	345	1032	1190	1590	25167
NINEMILE-FTZPK_NM_115_4-NF	4	115	129	159	159	25500
NINEMILE-SCRIBA_345_9-NS	9	345	1032	1284	1562	25359
NOR HBR_-NORTHPORT_138_1385	1385	138	286	318	428	25035

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
NRTHPORT_138_138_PS2		138	406	505	570	25599
NRTHPORT-ELWOOD__138_681	681	138	352	504	604	25544
NRTHPORT-ELWOOD_W_138_678	678	138	352	504	604	25543
NRTHPORT-PILGRIM__138_672	672	138	204	267	353	25307
NRTHPORT-PILGRIM__138_677	677	138	409	532	705	25308
NRTHPORT-PILGRIM__138_679	679	138	409	532	705	25309
OAKDALE__230/115_BK 1		230	275	400	440	25400
OAKDALE__345/115_BK 2		345	428	556	600	25401
OAKDALE__345/115_BK 3		345	428	556	600	25399
OAKDALE_-ENDICOTT_115_938	938	115	161	177	225	26198
OAKDALE_-FRASER__345_32	32	345	1255	1380	1380	25235
OAKDALE_-GOUDEY__115_939	939	115	238	239	239	26182
OAKDALE_-KATTLVLE_115_943	943	115	139	163	192	26201
OAKDALE_-NORTHSDE_115_944	944	115	185	224	239	26199
OAKFIELD-BATAVIA__115_112-2	112	115	131	144	158	25126
OAKWOOD_-ELWOOD_E_138_674	674	138	394	466	568	25545
OAKWOOD_-SYOSSET__138_675	675	138	269	358	541	25547
OHIOVLE_115/69__BK TR1		115	33	41	53	25819
OHIOVLE-RYNDH_HL_115_OR/HR		115	129	176	224	26247
ONEIDA__WALESVIL_115_7	7	115	116	120	145	26115
ONEIDA__YAHNUNDA_115_6	3	115	105	114	134	26113
OSWEGO__345_115_BK 7		345	490	552	690	25372
OSWEGO_-ELBRIDGE_345_17-EO	17	345	1206	1326	1685	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	400	462	478	25509
OSWEGO_-VOLNEY__345_11-OV	11	345	1200	1326	1685	25199
OSWEGO_-VOLNEY__345_12-OV	12	345	1200	1326	1685	25201
PACKARD__230/115_BK 4	4	230	141	182	250	25415
PACKARD__230_115_BK 3	3	230	141	183	250	25414
PACKARD_-GRND_ISL_115_182-1	182	115	200	208	265	26056
PACKARD_-NIAGBLVD_115_181-1	922	115	124	139	159	26055
PACKARD_-SAWYER__230_77	78	230	556	644	746	25164
PACKARD_-SAWYER__230_78	77	230	556	644	746	25195
PACKARD_-WALCK_RD_115_129	129	115	239	283	283	25906
PACKARD_-ZIMMERM1_115_130-2	130	115	168	181	206	26059
PALMITER-BENNETT__115_932	157	115	78	85	98	26165
PANNELL__345/115_BK 1		345	235	280	290	25396
PANNELL__345/115_BK 2		345	235	280	290	25431
PANNELL__345/115_BK 3		345	235	280	290	25572
PANNELL_-CLAY____345_PC1	1	345	1195	1314	1673	25058
PANNELL_-CLAY____345_PC2	2	345	1032	1284	1434	25050
PANNELL_-FARMGTN__115_4-FP	4	115	207	247	280	25080
PANNELL_-PITSFRDB_115_25	25	115	114	123	142	26285
PANNELRG-PITSFRDC_115_24	24	115	129	148	160	26284

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
PARISHVL-COLTON__115_3-CP	3	115	119	128	152	25241
PATROON_-MCKNOWNV_115_6	8	115	258	321	368	25866
PATROON_-PATRTAP__115_15	15	115	160	176	224	25867
PATRTAP_-MENANDS__115_15	15	115	116	120	145	26493
PAWLING_-CROTONFL_115_994	994	115	176	179	179	25902
PEARLRVR_69_34__BK 431		69	29	33	40	26695
PEARLRVR-MONTVALE_69_491	49	69	116	135	142	26273
PETERBOR_ONEIDA__115_5	5	115	116	120	145	25896
PILGRIM_-HAUPPAUG_138_871	871	138	305	367	420	25550
PILGRIM_-HOLTSVLE_138_881	881	138	487	543	623	25537
PITSFRDB-QUAKERRD_115_23-1	23	115	145	151	180	26288
PITSFRDB-STA_82__115_23-2	23	115	145	151	185	26287
PLATSBG2-SARANAC__115_PS1		115	96	123	150	25078
PLATTSBURGH PMLD #2		115	157	179	197	69888
PLSNTVLE_345/13__BK 1	1	138	59	67	67	25477
PLSNTVLE_345/13__BK 2	2	138	59	67	67	25478
PLSNTVLE-DUNWODIE_345_W89		345	1720	1976	2265	25182
PLSNTVLE-DUNWODIE_345_W90		345	1720	1976	2265	25250
PLSNTVLY-EFISHKIL_345_F36		345	1720	2214	2657	25256
PLSNTVLY-EFISHKIL_345_F37		345	1720	2214	2657	25257
PLSNTVLY-FISHKPLN_115_C_A		115	143	164	178	26210
PLSNTVLY-INWOOD__115_X-1		115	165	184	211	26209
PLSNTVLY-MANCHSTR_115_M		115	203	226	260	26208
PLSNTVLY-SMITHFLD_69_E		69	53	61	65	25629
PLSNTVLY-WOOD_ST_345_F30		345	1720	2214	2657	25237
PLSNTVLY-WOOD_ST_345_F31		345	1720	2214	2657	25238
PLSTVYCH_345_115_BK S1		345	415	450	450	25382
PLSTVYCH-TODDHILL_115_C		115	143	164	178	325156
POLETTI_-E13THSTA_345_Q35L		345	538	621	1476	25134
POLETTI_-E13THSTA_345_Q35M		345	538	621	1476	25142
PORTJEFF-HOLBROOK_138_862	862	138	295	357	434	25539
PORTJEFF-HOLBROOK_138_886	886	138	295	357	434	25540
PYRITES_-COLTON__115_7-PC	7	115	76	87	94	26086
QUAKERRD-MACEDON__115_930	930	115	60	75	112	25093
QUAKERRD-PANNELL__115_914	914	115	207	247	285	25261
QUAKERRD-PANNELL__115_925	925	115	275	305	355	25682
QUAKERRD-SLEIGHT__115_980(13)	980	115	150	169	188	25079
QUAKERRD-STA_204__115_908	908	115	227	251	285	26286
QUENBRDG-VERNON__138_31281	31282	138	308	478	602	25159
QUENBRDG-VERNON__138_31282	31281	138	312	542	602	25160
QUENSBRY-CEDAR__115_10	6	115	116	120	145	26140
QUENSBRY-SHERMAN__115_17-QS	17	115	116	120	145	26142
RAINEY_-FARRAGUT_345_61	63	345	661	758	1081	25152
RAINEY_-FARRAGUT_345_62	62	345	694	791	1097	25253
RAINEY_-FARRAGUT_345_63	61	345	661	758	1081	25254

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
RAINEY_-VERNON__138_36311	36311	138	271	317	359	25296
RAINEY_-VERNON__138_36312	36312	138	240	281	313	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	545	741	999	25370
RAMAPO__345_345_PAR4500		345	545	741	999	25371
RAMAPO__500/345_BK 1500	1500	345	995	1304	1752	25656
RAMAPO_-BUCHAN_N_345_Y94		345	1703	1890	2401	25184
RAMAPO_-LADENTWN_345_W72		345	1720	1890	2401	25233
REYNOLDS_345/115_BK 2		345	459	562	755	25403
REYNOLDS-ALPS___345_1-AR	1	345	459	562	755	25587
REYNOLDS-GREENBSH_115_9-RG	9	115	237	293	318	26129
RIDGE_RD-HILLSIDE_115_963	963	115	108	127	133	26190
RIDGE_RD-HILLSIDE_115_978-1	978	115	108	128	145	26191
RINGWOOD-SUGRLOAF_69__982_99_993		69	118	135	142	26696
RIVERSDE-REYNOLDS_115_4-RRT	4	115	220	239	239	26144
ROBNSNRD_230/115_BK 1		230	297	367	420	25395
ROBNSNRD-STOLLERD_230_65	65	230	550	637	717	25065
ROCHESTR_345/115_BK 3		345	245	296	360	25446
ROCHESTR_345_115_BK 1		345	218	282	390	25412
ROCHESTR_345_115_BK 2		345	239	294	333	25432
ROCHESTR-PANNELL__345_RP1	1	345	1301	1501	1685	25192
ROCHESTR-PANNELL__345_RP2	2	345	1301	1501	1685	25172
ROCKTVRN_345_115_BK TR1		345	396	445	446	25406
ROCKTVRN_345_115_BK TR3		345	396	459	519	26168
ROCKTVRN-RAMAPO__345_77	77	345	1720	1890	2283	25183
ROCKTVRN-SUGRLOAF_115_SL		115	159	183	195	25420
ROME___-ONEIDA__115_1-RO	1	115	129	157	192	26112
RONKOKMA-HOLBROOK_138_875	875	138	473	520	661	25541
ROSA_RD_-GE_R&D__115_14	14	115	165	184	211	26145
ROSETON_-EFISHKIL_345_305	305	345	1935	2677	3137	25108
ROSETON_-ROCKTVRN_345_311	311	345	1395	1623	1870	25069
ROTTRDAM_230/115_BK 7		230	300	355	402	25392
ROTTRDAM_230/115_BK 8		230	326	369	423	25413
ROTTRDAM_230_115_BK 6		230	344	375	523	25407
ROTTRDAM-BURD_STE_115_19-RB	19	115	105	114	134	26146
ROTTRDAM-BURD_STW_115_17-RB	17	115	116	120	145	25129
ROTTRDAM-CURRY_RD_115_11	11	115	116	120	145	25869
ROTTRDAM-FRONT_ST_115_16	16	115	220	252	280	26147
ROTTRDAM-SWAGTN_E_115_1	1	115	223	223	223	26430
ROTTRDAM-SWAGTN_W_115_2	2	115	223	223	223	26429
ROTTRDAM-WOODLAWN_115_35	12	115	116	120	145	25865
RULAND_-HOLBROOK_138_882	882	138	489	552	664	25538
RULAND_-PILGRIM__138_661	661	138	487	543	555	25310
RULAND_-PILGRIM__138_662	662	138	555	555	555	25311

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
RYNDS_HL-INWOOD___115_55	55	115	193	213	239	26248
S HERO__-PLATSBRG_115_PV20		115	210	245	258	25027
S.MAHWAH-RAMAPOOR_138_51	51	138	236	270	285	25888
S.OSWEGO-HAMRHILL_115_6-IH	6	115	116	120	145	25513
S.OSWEGO-NINEMILE_115_1-SN	1	115	116	120	145	25501
S.OSWEGO-TEALLAVE_115_13_10-ST	13	115	187	215	236	25511
S.OWEGO_-GOUDEY___115_961	961	115	112	131	143	25725
S.OWEGO_-NWAVERLY_115_962-2	962	115	111	131	143	25727
S.PERRY_-MEYER___115_933	933	115	72	82	90	26193
S.PERRY_-MEYER___115_934	934	115	82	96	104	26194
S.RIPLEY-DUNKIRK__230_68	68	230	482	530	637	25045
SANDSTON-COLTON___115_5-SC	5	115	182	197	248	26085
SAWYER_-HUNTLEY__230_77	77	230	556	644	746	325043
SAWYER_-HUNTLEY__230_78	78	230	556	644	746	325044
SAWYER_-SUNY_77__230_79	79	230	566	654	755	325033
SAWYER_-SUNY_78__230_80	80	230	566	654	755	325046
SBATAVIA-GOLAH___115_119	119	115	129	160	173	26012
SCRIBA__345/25__23-GSU2	23	345	1670	1931	2211	70513
SCRIBA__-FITZPTRK_345_FS-10		345	1434	1434	1912	25076
SCRIBA__-VOLNEY___345_20-SV	20	345	1200	1396	1686	25204
SCRIBA__-VOLNEY___345_21-SV	21	345	1670	1912	1912	25314
SENECA_A-GARDNVLB_230_71	71	230	223	254	262	25856
SENECA_B-GARDNVLB_230_72	72	230	223	254	262	25857
SGOSHEN_-SHOEMAKR_69_24	24	69	69	79	83	26690
SGOSHEN_-SHOEMAKR_69_25	25	69	69	79	83	26692
SHENDOAH-EFISHKIL_115_EF		115	198	229	259	26251
SHERMAN_-SPIERFLS_115_17-SS	17	115	116	120	145	26148
SHERMCRK-E179THST_138_15031	15032	138	161	245	393	25156
SHERMCRK-E179THST_138_15032	15031	138	161	245	393	25157
SHOEMAKR_138_69__BK 711		138	212	281	319	26694
SHOEMAKR-CHESTROR_138_27	27	69	236	270	285	26466
SHOEMAKR-MONGAUP_69_12	12	69	51	65	74	26693
SHOEMAKR-MONGAUP_69_13_131	13	69	51	65	74	26467
SHOR_NPX-SHOREHAM_138_NPX_CSC	892	138	380	380	380	325153
SHORE_RD_345/138_BK 1		345	457	569	731	25439
SHORE_RD_345/138_BK 2		345	457	569	731	25440
SHORE_RD-GLENWD___138_365	365	138	487	543	623	25205
SHORE_RD-GLENWD___138_366-1	366	138	487	543	623	25154
SHORE_RD-LAKSUCSS_138_367	367	138	208	346	581	25145
SHORE_RD-LAKSUCSS_138_368	368	138	208	346	581	25150
SHOREHAM-BROOKHVN_138_861	861	138	434	480	586	25114
SHOREHAM-MILLERPL_138_879	879	138	434	480	586	25117
SHOREHAM-SHORHVDC_138_892	892	138	489	552	664	26432
SHOREHAM-WILDWOOD_138_863	863	138	434	480	586	25115
SLEIGHT__115/34__BK 1		115	35	43	67	70523

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
SLEIGHT__115/34__BK 2		115	35	43	67	70524
SLEIGHT_-CLYDE____115_971(3)	971	115	108	128	145	26686
SLEIGHT-AUB.	3	115	125	143	154	25356
SMAHWAH__345_138_BK 258	258	345	441	516	559	25393
SMAHWAH_-RAMAPO____345_69	69	345	1226	1737	2271	25021
SMAHWH_B-RAMAPO____345_70	70	345	1720	1890	2401	25259
SMITHFLD-FALLS VG_69__690		69	26	28	28	25619
SPARKILL - CLOSTER	751	69	65	76	79	69314
SPIERFLS-BUTLER____115_4-SFB	4	115	105	114	134	26136
SPIERFLS-MOHICAN__115_7-SFM	7	115	116	120	145	26435
SPIERFLS-QUENSBRY_115_5-SFQ	5	115	105	114	134	26141
SPRAINBROOK - SPRNBR49		345	693	936	1392	26725
SPRNBRK_-DUNWODIE_138_99941	99941	138	295	418	472	25245
SPRNBRK_-DUNWODIE_138_99942	99942	138	295	418	472	25246
SPRNBRK_-DUNWODIE_345_W75		345	2384	2708	3247	25071
SPRNBRK_-EGRDNCTR_345_Y49		345	637	900	1329	25105
SPRNBRK_-TREMONT__345_X28		345	469	673	1076	25175
SPRNBRK_-W49TH_ST_345_M51		345	774	866	1291	25053
SPRNBRK_-W49TH_ST_345_M52		345	774	866	1291	25223
ST_139_A-DUNKIRK__115_141-2	141	115	88	101	108	26026
ST_60_36-LOCKPORT_115_36-2	36	115	145	151	185	26049
ST_60_37-LOCKPORT_115_37-2	37	115	145	151	185	26048
STA_128_-STA_82____115_906	906	115	129	147	159	26303
STA_129_-GARDNVLB_115_39-2	39	115	129	151	185	26036
STA_154_-GARDNVLB_115_38-2	38	115	129	171	206	26039
STA_158_-STA_128__115_924	924	115	129	147	159	26654
STA_162_-S.PERRY__115_906- 7X		115	125	152	180	25062
STA_162_-STA_158__115_924	924	115	129	147	159	26653
STA_204_-S42____115_911-2	911	115	185	207	215	26307
STA_33_-MORTIMER_115_901-2	901	115	175	197	241	25097
STA_67_-ROCHESTR_115_922	922	115	239	269	275	26321
STA_67_-STA_82____115_903	903	115	223	247	255	26322
STA_82_-MORTIMER_115_7X8272		115	259	366	480	25098
STA_82_-ROCHESRG_115_905	905	115	208	248	312	26305
STATE_CA-PATRTAP__115_15	15	115	160	176	224	26494
STATE_ST-WRGHTAVE_115_976	976	115	185	221	239	26200
STERLING-RULAND____138_663	663	138	195	263	302	26498
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127
STLAWRNC_230A_230C_PS 33		230	240	259	334	25118
STLAWRNC_230B_230D_PS 34		230	300	336	466	25119
STOLLERD_345/115_BK 3		345	300	370	420	25461
STOLLERD_345/115_BK 4		345	305	387	420	25462
STOLLERD-MEYER____230_67	67	230	430	494	540	25064
STRUGNPL-BOULEVRD_69__N		69	45	47	55	26211
STRUGNPL-OHIOVLE_69__O		69	41	44	51	26246

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
SUGRLOAF_115_69_BK 6108		115	189	222	250	26333
SUGRLOAF_138_69_BK 7108		138	192	226	253	25891
SUGRLOAF-RAMAPOOR_138_26	26	138	264	300	316	25326
SUGRLOAF-SGOSHEN_69_24	24	69	69	79	83	325306
SUGRLOAF-SGOSHEN_69_25	25	69	69	79	83	325307
SUNY_77_-GARDNVLB_230_79-1	79	230	566	654	755	25165
SUNY_78_-GARDNVLB_230_80-1	80	230	566	654	755	25196
SWAGTN_E-BALLSTNE_115_1	1	115	223	223	223	26125
SWAGTN_W-BALLSTNW_115_2	2	115	223	223	223	26124
SWANRD_4-LOCKPORT_115_104-2	104	115	168	181	199	26050
SWEDEN_A-MORTIMER_115_111-2	111	115	129	136	153	25347
SYLVANLK-PAWLING_115_990	990	115	176	179	179	26156
SYOSSET_-LOCUSTGR_138_559	559	138	434	480	586	25904
TAYLORVL-BULYMO_115_6	6	115	105	114	134	26070
TAYLORVL-LOWVILLE_115_5-TL	5	115	102	114	134	26107
TEALLAVE-ASH_115_7-TA	7	115	120	148	148	26063
TEALLAVE-ASH_115_8-AT	8	115	120	148	148	26117
TEALLAVE-BM_CC_GM_115_6	6	115	187	213	236	26154
TEALLAVE-ONEIDA_115_2-OT	2	115	116	120	145	25895
TEALLAVE-PETERBOR_115_5	5	115	116	120	145	325164
TELGRAPH-MORTIMER_115_114-2	114	115	129	149	153	25349
TEMPLE_-PEAT ST_115_10-TP	10	115	176	211	233	26715
TIANA_-RIVRHEAD_69_962	962	69	184	243	297	26617
TILDEN_-DEWITT_115_19-TD	19	115	182	197	236	26092
TREMONT_138A_138B_BK 11		138	276	335	361	25649
TREMONT_138C_138D_BK 12		138	276	335	361	25650
TREMONT_345_138_BK 11		345	245	299	340	25473
TREMONT_345_138_BK 12		138	245	299	340	25474
TRINITY_-RIVERSDE_115_19	19	115	198	242	278	26492
VALLEY_-INGHAM_C_115_3-VI	3	115	116	120	145	26106
VALLYSTR-BARRETT_138_291	291	138	214	301	418	25312
VALLYSTR-BARRETT_138_292	292	138	214	301	418	25313
VALLYSTR-EGRDNCTY_138_262	262	138	201	289	405	25244
VERNON_18_138_MTX_XM_1		138	258	344	428	26726
VERNON_-KENTAVE_138_31231-1		138	154	239	387	25337
VERNON_-KENTAVE_138_31232-1		138	154	239	387	26123
VOLNEY_-CLAY_345_6-CV	6	345	1200	1359	1671	25198
VOLNEY_-MARCY_345_19	19	345	1434	1650	1971	25345
W.NYACK_138_69_BK 221		138	212	281	319	26334
W49TH_ST-E13THSTA_345_M54		345	774	866	1291	25228
W49TH_ST-E13THSTA_345_M55		345	774	866	1291	25222
WADNGRIV-HOLBROOK_138_884	884	138	328	379	434	25341
WADNGRIV-SHOREHAM_138_891	891	138	434	480	586	25342
WALDEN_-DEPEW_TP_115_54-2	54	115	129	181	206	26024
WALDWICK_345_230_BK1		345	549	713	806	25479

SUMMER ONLINE RATINGS (MW)

LINE NAME	LINE_ID	KV	NORMAL	LTE	STE	PTID
WALDWICK_345_230_BK2		345	557	716	794	25480
WALDWICK_345_230_BK3		345	609	794	901	25481
WALDWICK-FAIRLAWN_230_O2267		230	394	510	843	25489
WALDWICK-HILLSDAL_230_F2258		230	408	555	840	25487
WALDWICK-HINCHMAN_230_E2257-1		230	408	555	840	25488
WALDWICK-SMAHWAH_345_J3410		345	589	843	1094	25032
WALDWICK-SMAHWH_B_345_K3411		345	602	881	1150	25039
WARREN_-FALCONER_115_171	171	115	82	120	136	25015
WATRCURE_345_230_BK 1		345	426	520	600	25402
WATRCURE-OAKDALE_230_71	71	230	275	400	440	25179
WATRCURE-OAKDALE_345_31	31	345	926	1076	1076	25178
WHAVSTOR-LOVETT_138_53	53	138	236	270	285	25884
WHAVSTOR-LOVETT_138_54	54	138	236	270	285	25885
WHAVSTRW_345_138_BK 194		345	451	546	619	25447
WHITEHAL-COMSTKNM_115_13-MW	13	115	116	120	145	25903
WILDWOOD-RIVRHEAD_138_890	890	138	291	321	372	25905
WILLET_-ENORWICH_115_945-1	945	115	108	128	145	25732
WILLIS_230/115_BK 1		230	150	184	216	25388
WILLIS_230/115_BK 2		230	150	184	216	25390
WILLIS_-BRNDSVLE_115_1	911	115	120	140	156	26204
WILLIS_-PLATSBURG_230_WP1		230	170	188	214	25272
WILLIS_-PLATSBURG_230_WP2		230	170	188	214	25273
WILLWBRK-FRESHKLS_138_29211-2		138	169	271	452	25319
WILLWBRK-FRESHKLS_138_29212-2		138	169	271	452	25320
WOLF_RD_-MENANDS_115_10	10	115	105	114	134	26255
WOOD_ST_345/115_BK 1		345	327	409	420	25437
WOOD_ST_345/115_BK 2		345	325	406	420	25438
WOOD_ST_-AMAWALK_115_996	996	115	215	247	275	25574
WOOD_ST_-MILLWOOD_345_W80		345	1720	2214	2657	25148
WOOD_ST_-MILLWOOD_345_W81		345	1720	2214	2657	25525
WOOD_ST_-PLSNTVLE_345_Y87		345	1839	2606	3105	25132
WOODARD_-ELBRIDGE_115_4	17	115	156	179	195	325316
WRGHTAVE-MILLIKEN_115_973	973	115	185	221	249	26195
WWDBURNE_115/69_BK 1		115	48	50	50	25404
WWDBURNE-HONK_FLS_69_WH2		69	39	47	50	26234
WWDBURNE-NVRSK_TP_69_WH1-3+860L		69	39	47	50	26245
WYNTKLN-REYNOLDS_115_13-WR	13	115	186	214	237	26143
YAHNUNDA-EDIC_PTR_115_3	3	115	105	114	134	26515
ZIMMERM1-HUNTLEY_115_130-1	130	115	168	181	206	26043
ZIMMERM2-HUNTLEY_115_133-2	133	115	168	181	199	26042

APPENDIX E

INTERFACE DEFINITIONS

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NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
<i>West (Zone A)-Genesee (Zone B)</i>		
Name	Line ID	Voltage (kV)
*Somerset-Rochester (Station 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
<i>West (Zone A)-Central (Zone C)</i>		
*Stolle Rd.-Meyer	67	230

WEST CENTRAL		
<i>Genesee (Zone B) - Central (Zone C)</i>		
Name	Line ID	Voltage (kV)
Pannell Rd-Clay*	PC-1	345
Pannell Rd-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
*Quaker-Sleigh Rd	13	115
*St. 162 - S. Perry	906	115
Hook Rd (RGE-NGRID)	TB#3	34.5/115
Clyde	TR1	34.5/115
(Farmington 34.5/115kV)	#7	34.5/115
(Farmtn 34.5/115kV&12/115 kV)	#4	34.5/115 & 12/115
<i>West (Zone A) - Central (Zone C)</i>		
*Stolle Rd.-Meyer	67	230

CENTRAL EAST		
<i>Mohawk Valley (Zone E) – Capital (Zone F)</i>		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	UNS-18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
<i>North (Zone D) – ISONE (Zone N)</i>		
*Plattsburgh - Grand Isle	PV-20	115

* indicates the metered end of the circuit

TOTAL EAST		
<i>Mohawk Valley (Zone E) - Capital (Zone F)</i>		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	UNS-18	345
*Fraser-Gilboa	35	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
<i>Mohawk Valley (Zone E) - Hudson Valley (Zone G)</i>		
Coopers-Middletown*	CCRT-34	345
Coopers-Rock Tavern*	CCRT-42	345
West Woodbourne*115/69	T152	115/69
<i>North (Zone D) - ISONE (Zone N)</i>		
*Plattsburgh-Grand Isle	PV-20	115
<i>PJM East (Zone P) - Hudson Valley (Zone G)</i>		
Branchburg-Ramapo*	5018	500
*Waldwick- S.Mahwah	J3410	345
*Waldwick-S.Mahwah	K3411	345
<i>PJM East (Zone P) – NYC (Zone J)</i>		
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
<i>PJM (Rockland Electric) – Hudson Valley (Zone E)</i>		
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

* indicates the metered end of circuit

MOSES SOUTH		
<i>North (Zone D) - Mohawk Valley (Zone E)</i>		
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

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

SPRAIN BROOK-DUNWOODIE SOUTH		
<i>Dunwoodie (Zone I) – NYC (Zone J)</i>		
Name	Line ID	Voltage (kV)
*Dunwoodie-Mott Haven	71	345
*Dunwoodie-Mott Haven	72	345
Sprain Brook-Tremont*	28	345
*Sprain Brook-West 49th Street	M51	345
*Sprain Brook-West 49th Street	M52	345
*Dunwoodie-Sherman Creek	99031	138
*Dunwoodie-Sherman Creek	99032	138
*Dunwoodie-East 179th Street	99153	138
<i>Long Island (Zone K) – NYC (Zone J)</i>		
*Lake Success-Jamaica	903	138
*Valley Stream-Jamaica	901L/M	138

CONED - LIPA		
<i>Dunwoodie (Zone I) - Long Island (Zone K)</i>		
Name	Line ID	Voltage (kV)
*Dunwoodie-Shore Road	Y50	345
*Sprain Brook-East Garden City	Y49	345
<i>NYC (Zone J) - Long Island (Zone K)</i>		
Jamaica-Valley Stream*	901L/M	138
Jamaica-Lake Success*	903	138

* indicates the metered end of circuit

NYISO-ISONNE		
<i>North (Zone D)-ISONNE (Zone N)</i>		
Name	Line ID	Voltage (kV)
*Plattsburgh-Grand Isle	PV-20	115
<i>Capital (Zone F) – ISONNE (Zone N)</i>		
*Alps-Berkshire	393	345
Rotterdam-Bear Swamp*	E205W	230
*Hoosick -Bennington	6	115
*Whitehall-Blissville	7	115
<i>Hudson Valley (Zone G) – ISONNE (Zone N)</i>		
*Pleasant Valley-Long Mountain	398	345
*Smithfield-Salisbury	690	69
<i>Long Island (Zone K) – ISONNE (Zone N)</i>		
*Northport-Norwalk	1385	138

IESO (Ontario)-NYISO		
<i>Ontario East (Zone O) – North (Zone D)</i>		
Name	Line ID	Voltage (kV)
St. Lawrence-Moses*	L33P	240
St. Lawrence-Moses*	L34P	230
<i>Ontario South (Zone O) - West (Zone A)</i>		
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230
*Beck-Swan Rd.	104	115

* indicates the metered end of circuit

PJM-NYISO		
<i>PJM East-NYC</i>		
Name	Line ID	Voltage (kV)
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
<i>PJM West-Central</i>		
*Homer City-Watercure	30	345
E. Towanda-Hillside*	70	230
Laurel Lake-Goudey*	952	115
*E. Sayre-N. Waverly	956	115
<i>PJM West-West</i>		
*Homer City-Stolle Rd	37	345
Erie East - South Ripley*	69	230
*Warren-Falconer	171	115
<i>PJM East-Hudson Valley</i>		
Branchburg-Ramapo*	5018	500
*Waldwick-S.Mahwah	J3410	345
*Waldwick-S.Mahwah	K3411	345
<i>PJM (Rockland Electric) - Hudson Valley</i>		
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

* indicates the metered end of circuit

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APPENDIX F

ANNOTATED MUST OUTPUT

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On CD If Requested

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APPENDIX G

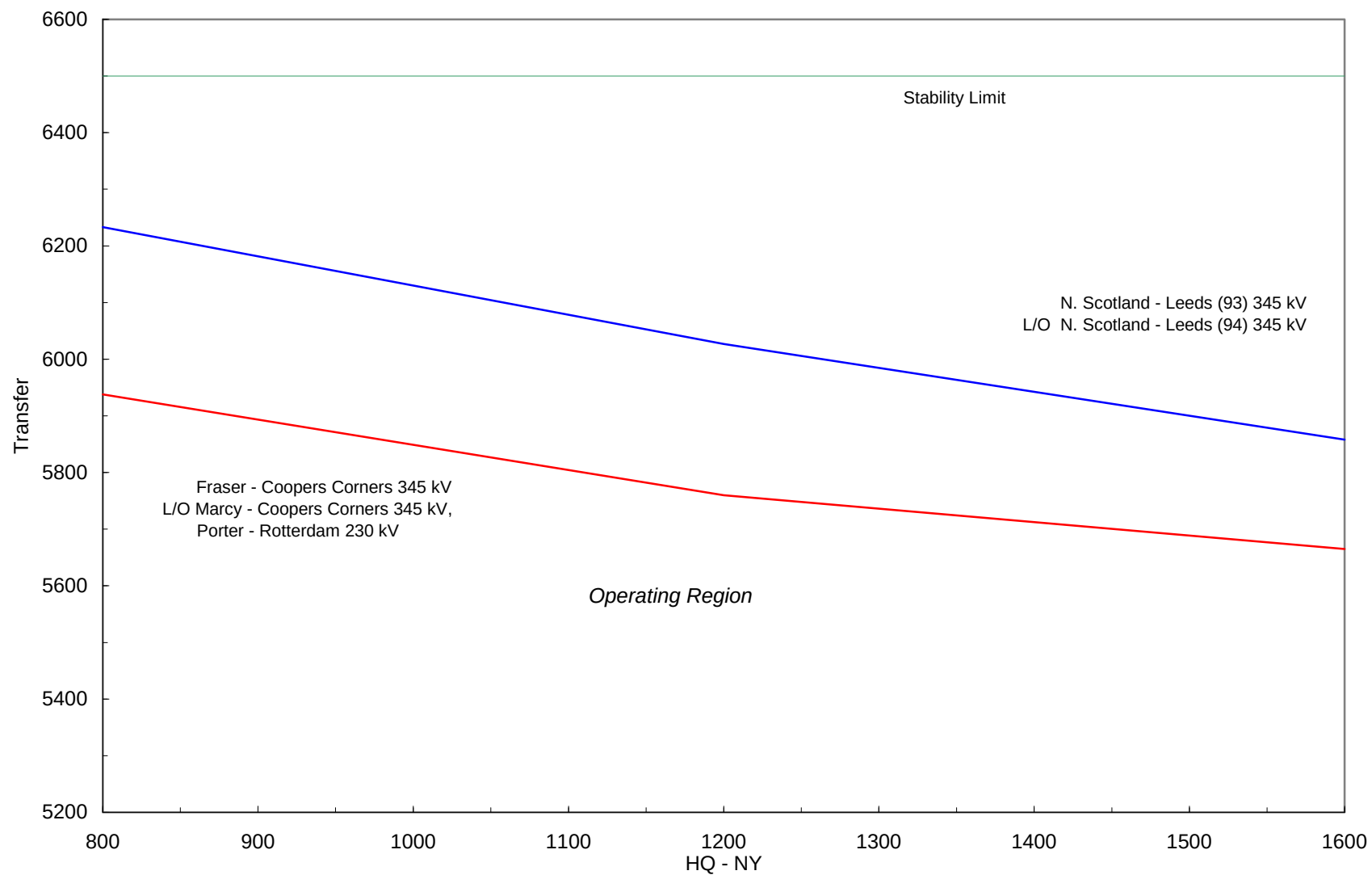
TRANSFER LIMIT SENSITIVITY GRAPHS

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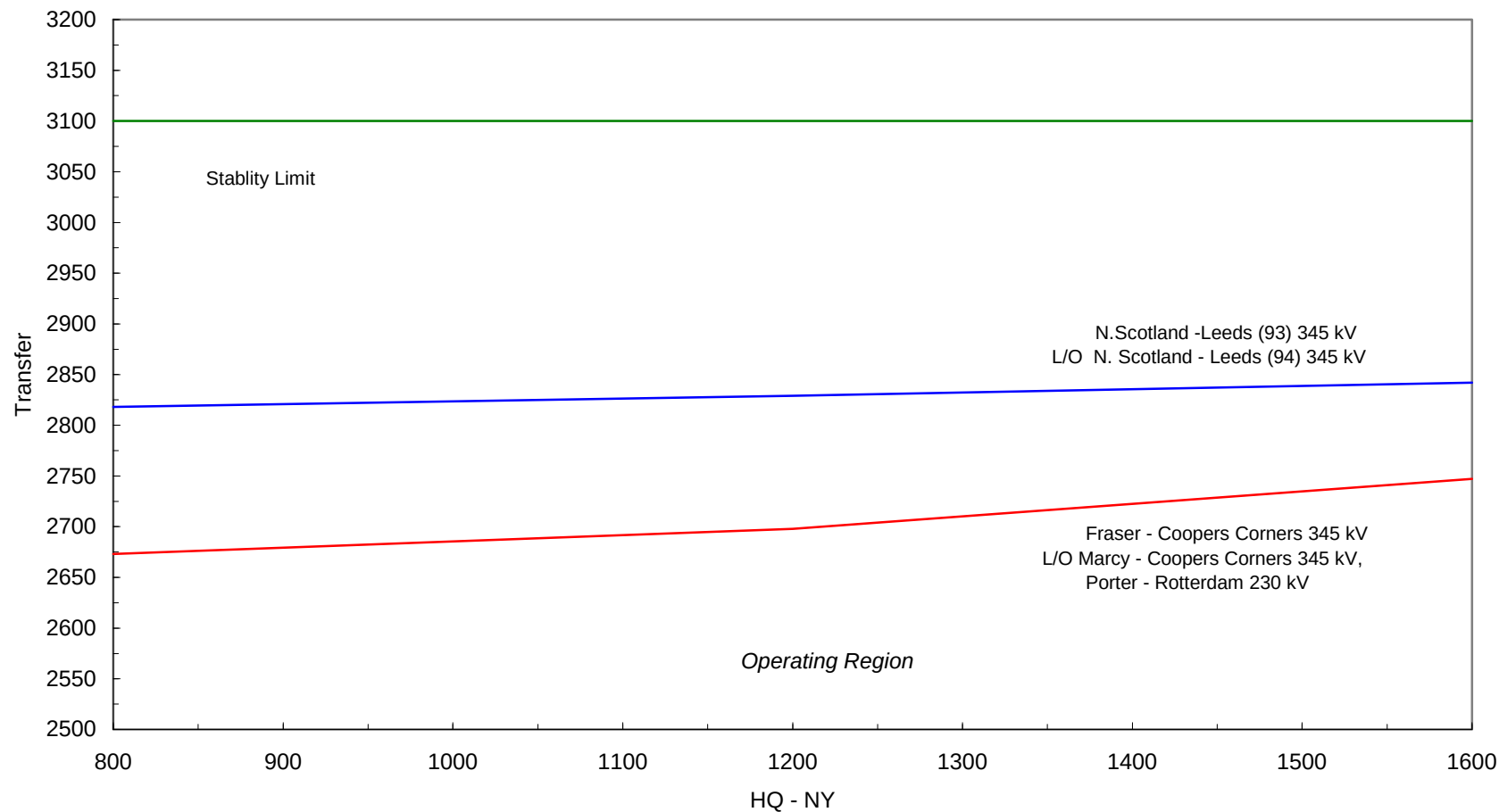
INDEX

1. Total East vs. HQ-NY		G-2
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3. Total East vs. Ramapo PAR Flow		G-4
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9. NYISO-IESO (ONTARIO) Transfer vs. L33P & L34P		G-10
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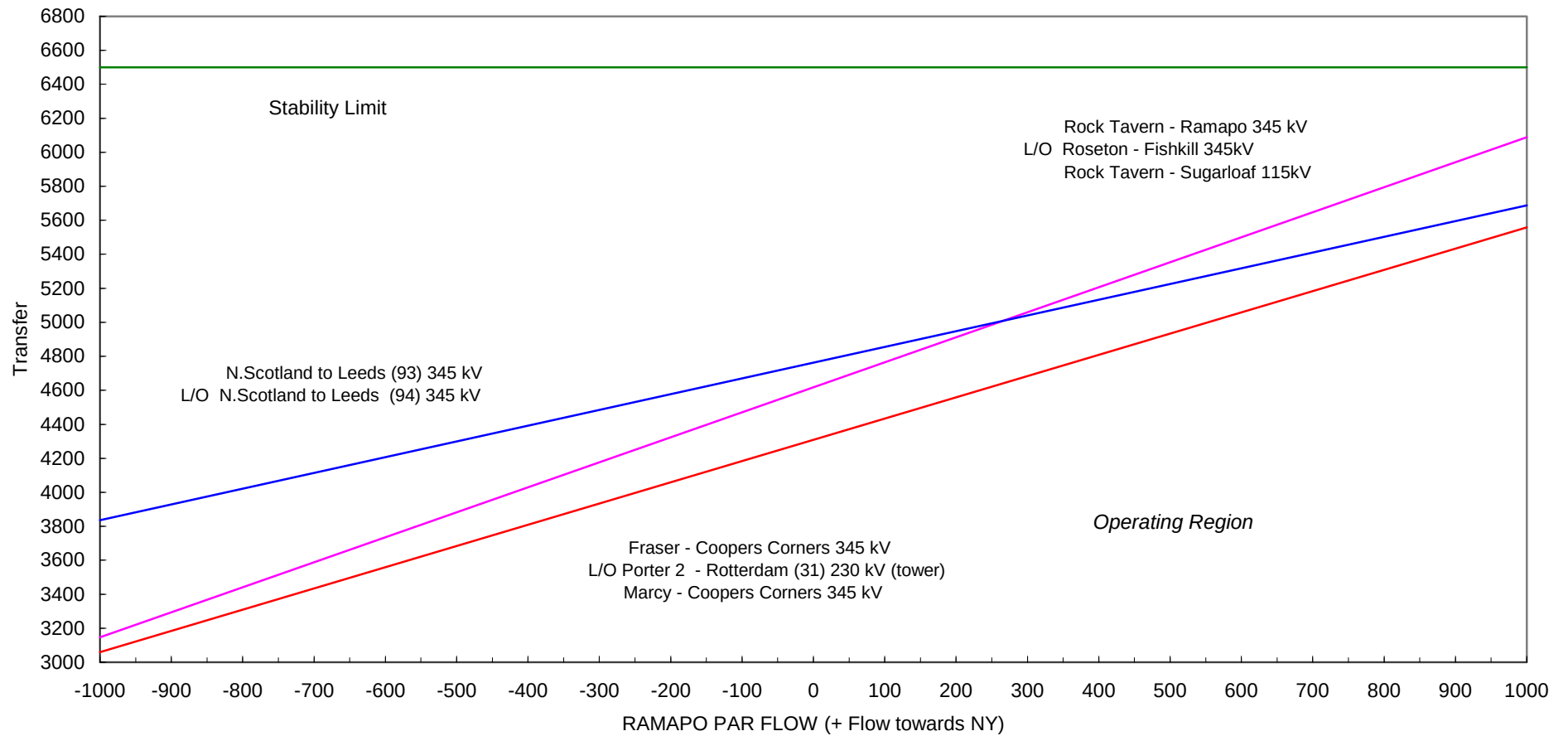
Total East vs. HQ Export to New York
For Normal Transfer Criteria
Summer 2008



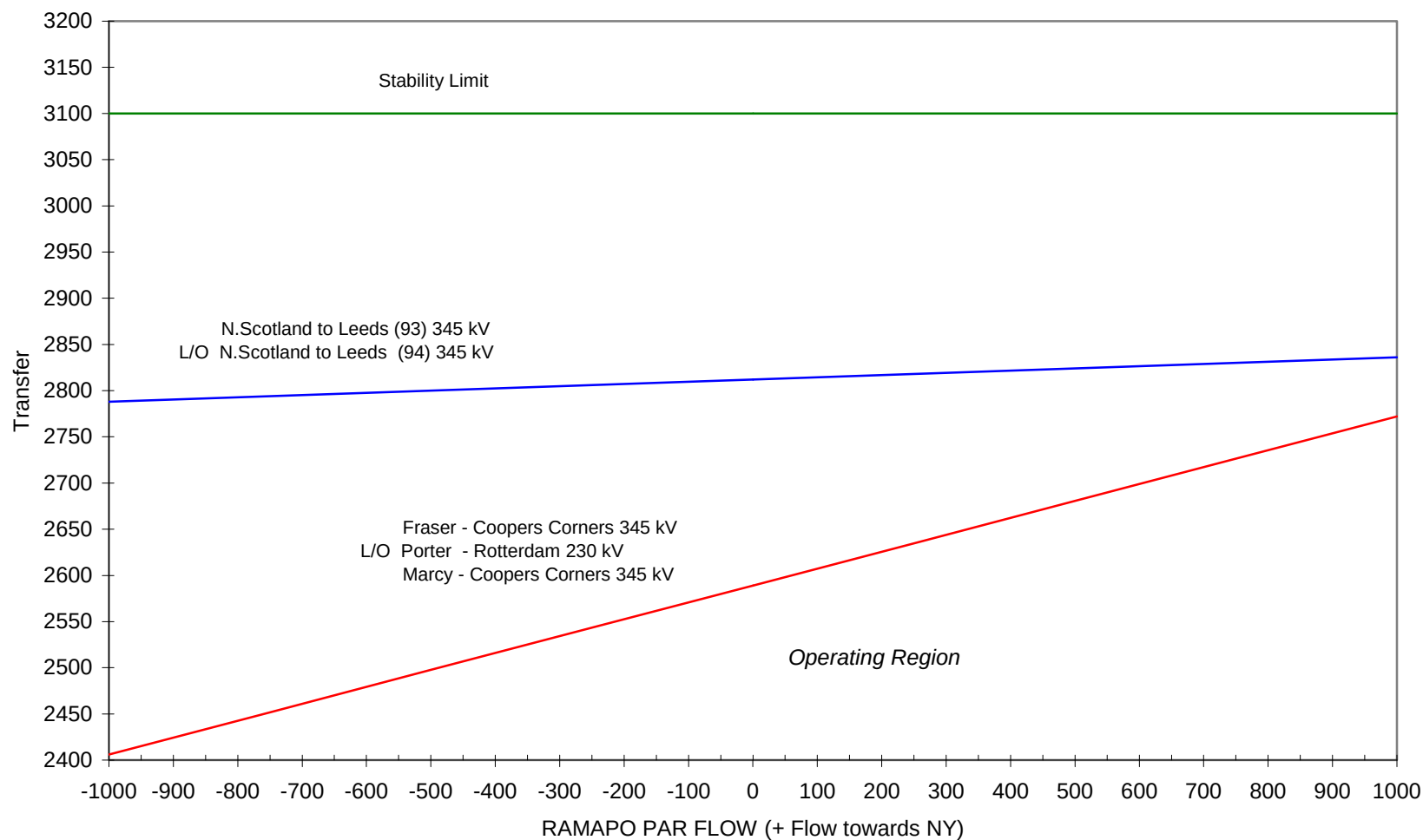
Central East vs. HQ Export to New York
For Normal Transfer Criteria
Summer 2008



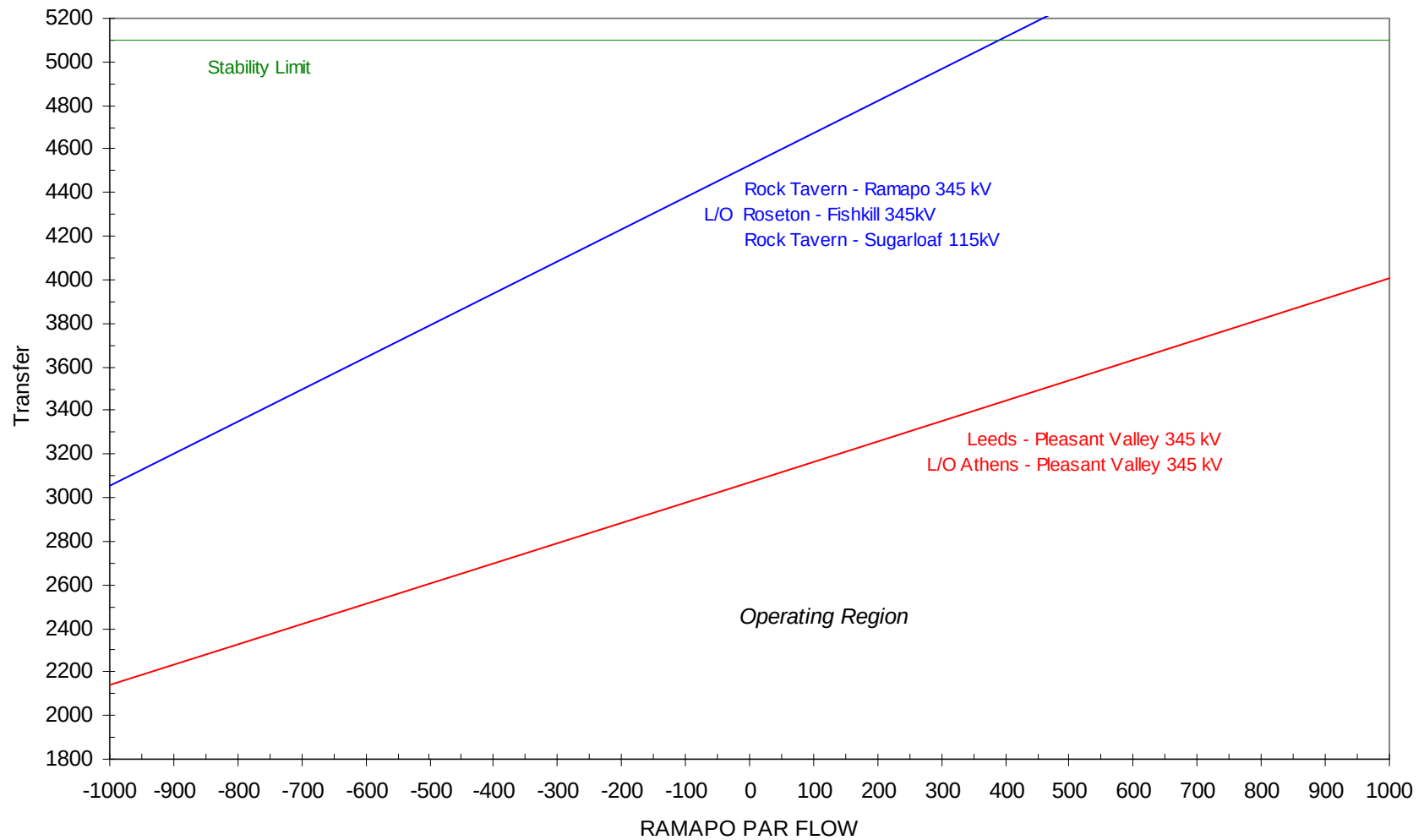
Total East vs. RAMAPO PAR Flow
For Normal Transfer Criteria
Summer 2008



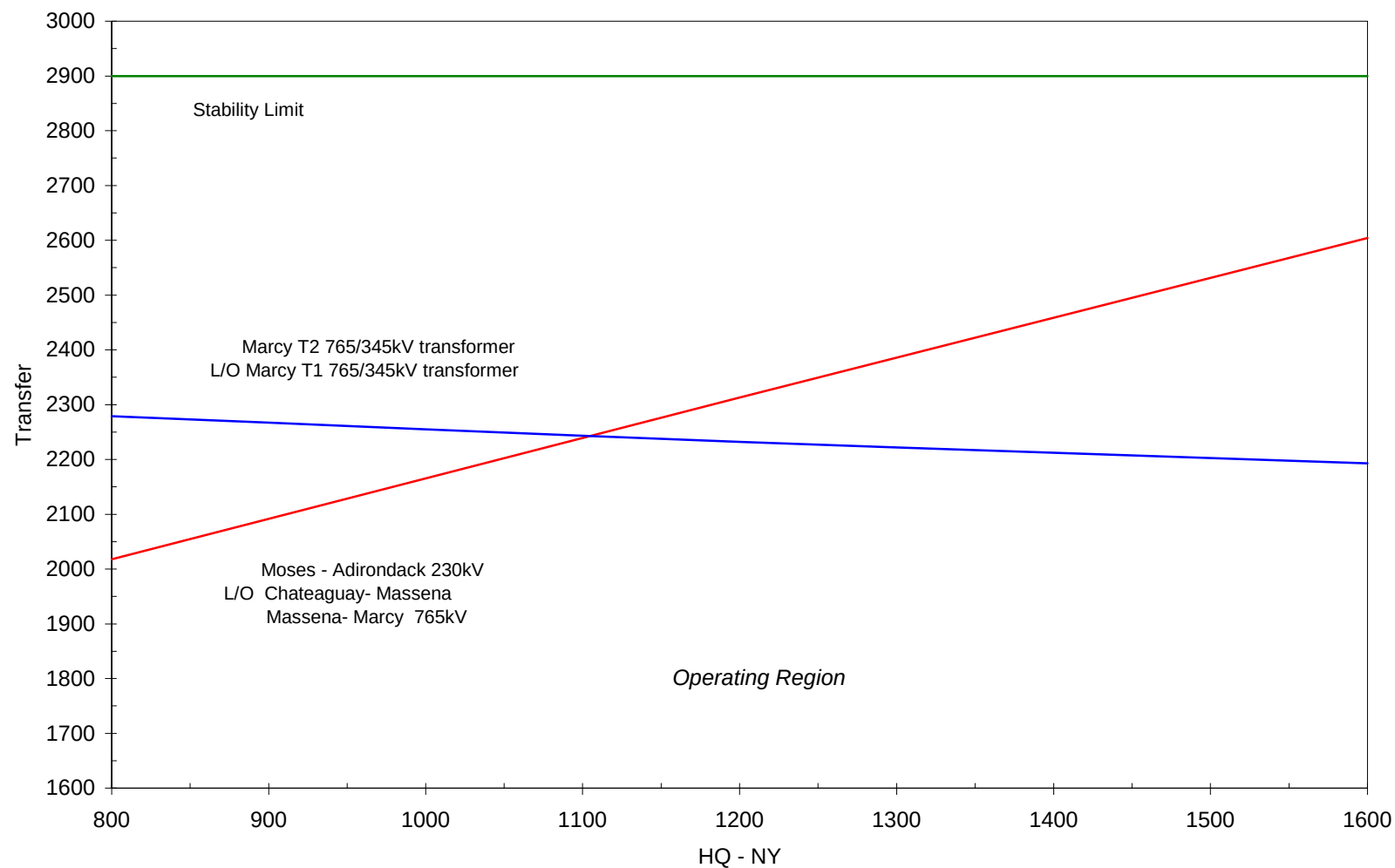
Central East vs. RAMAPO PAR Flow **For Normal Transfer Criteria** **Summer 2008**



UPNY CONED vs. RAMAPO PAR Flow
For Normal Transfer Criteria
Summer 2008



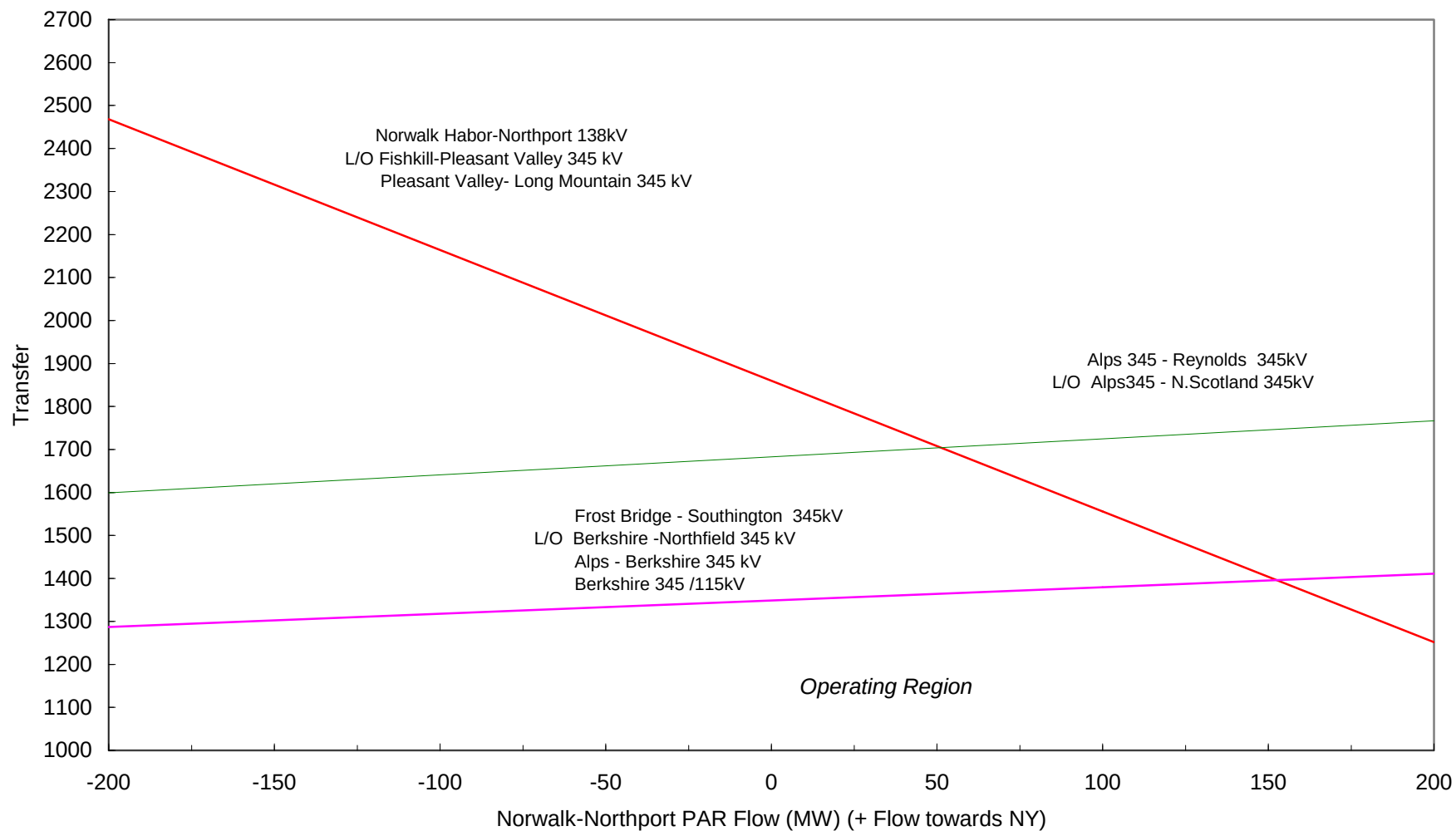
Moses South vs. HQ Export to New York **For Normal Transfer Criteria** **Summer 2008**



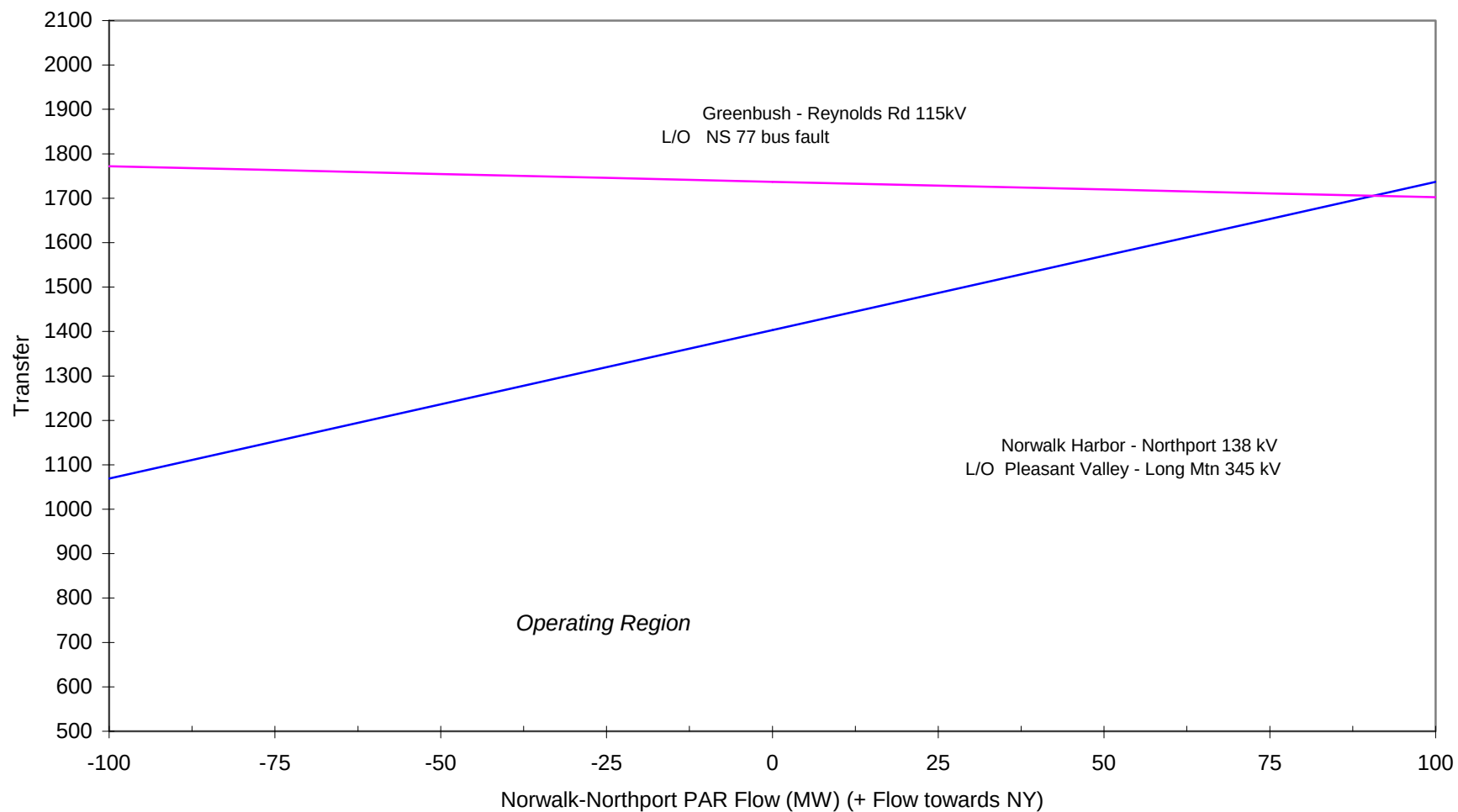
NE-NY vs. NORWALK-NORTHPORT PAR Flow

For Normal Transfer Criteria

Summer 2008

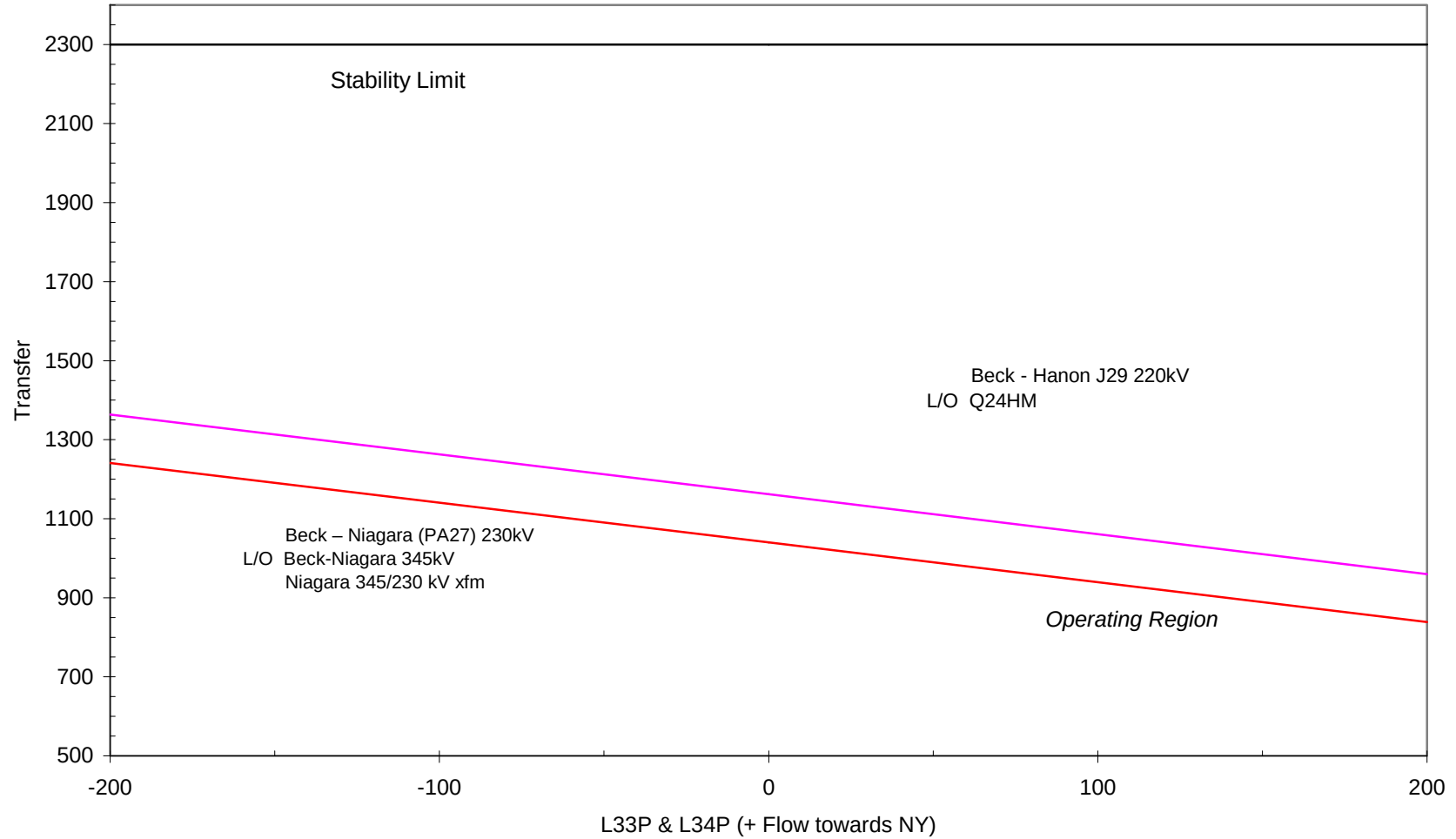


NY-NE vs. NORWALK-NORTHPORT PAR Flow
For Normal Transfer Criteria
Summer 2008



NY- IESO (Ontario) Transfer vs. L33P & L34P

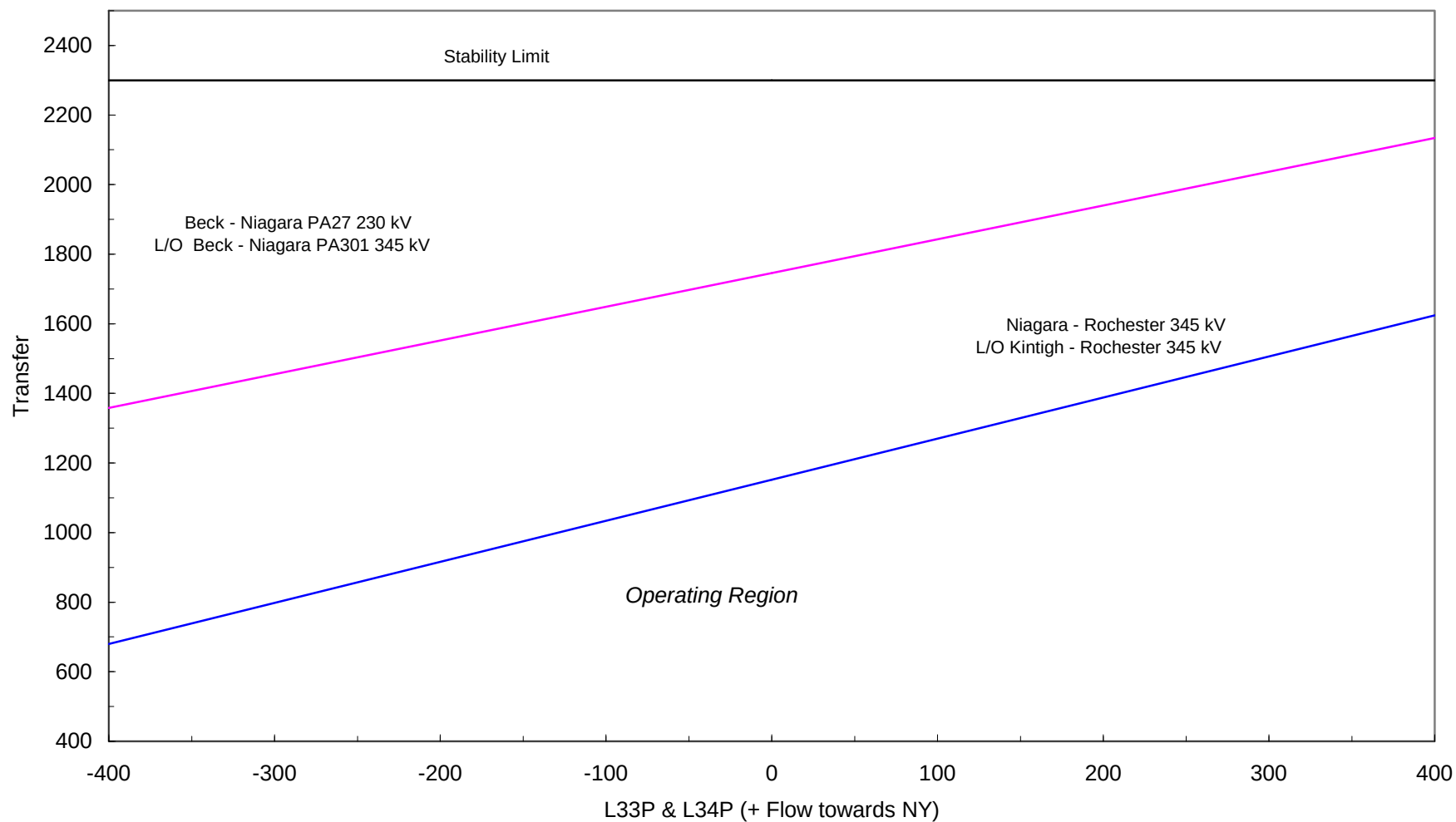
For Normal Transfer Criteria
Summer 2008 with BP76 O/S



IESO (Ontario)-NY Transfer vs. L33P & L34P

For Normal Transfer Criteria

Summer 2008 with BP76 O/S



APPENDIX H

COMPARISON OF TRANSFER LIMITS SUMMER 2008 vs. SUMMER 2007

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Comparison of Summer 2008 to Summer 2007 Thermal Limits

		SUMMER 2008		SUMMER 2007		
Interface		Limit (MW)	Contingency	Limit (MW)	Contingency	Delta
Dysinger East	Normal	2925	1	2900	1	25
	Emergency	3225	2	3175	3	50
West Central	Normal	1500	1	1725	1	-225
	Emergency	1800	3	2000	3	-200
UPNY - ConEd	Normal	3650	4	3125	4	525
	Emergency	4300	5	3775	5	525
Sprain Brook Dunwoodie-South	Normal	3650	6	3450	6A	200
	Emergency	3975	7	3725	7A	250
Con Ed - LIPA	Normal	900	8	925	8	-25
	Emergency	1450	9	1425	9	25
Central East	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	2725	10	2750	10	-25
	Emergency	3150	12	3150	11	0
	MSC-7040 FLOW	1200 MW		1200 MW		
	Normal	2675	10	2725	10	-50
	Emergency	3100	13	3150	11	-50
	MSC-7040 FLOW	800 MW		800 MW		
	Normal	2650	10	2700	10	-50
	Emergency	3075	13	3150	13	-75
Total East ¹	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	5000	10	4825	10	175
	Emergency	5825	12	5675	11	150
	MSC-7040 FLOW	1200 MW		1200 MW		
	Normal	5100	10	4800	10	300
	Emergency	5925	13	5675	11	250
	MSC-7040 FLOW	800 MW		800 MW		
	Normal	5275	10	4775	10	500
	Emergency	6100	13	5675	13	425
Moses - South	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	2175	16	2600	14	-425
	Emergency	2650	17	2950	15	-300
	MSC-7040 FLOW	1200 MW		1200 MW		
	Normal	2225	16	2300	14	-75
	Emergency	2650	15	2650	15	0
	MSC-7040 FLOW	800 MW		800 MW		
	Normal	2000	14	2025	14	-25
	Emergency	2350	15	2375	15	-25

¹ Limits in the NYISO Operating Study, Summer 2007 report were based on Total East Interface Definition that included the Neptune HVDC tie-line. Limits in this report do not include Neptune in the Total East Interface.

NYISO SUMMER 2008 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Niagara - Rochester (NR-2) 345kV	@LTE	1501 MW	L/O	AES/Somerset - Rochester (SR-1) 345kV
(2)	Niagara - Rochester (NR-2) 345kV	@STE	1685 MW	L/O	AES/Somerset - Rochester (SR-1) 345kV
(3)	Stolle Rd. – Meyer (67) 230 kV	@NOR	430 MW		Pre-Contingency Loading
(4)	Leeds – Pleasant Valley (92) 345kV	@LTE	1538 MW	L/O	Athens – Pleasant Valley (91) 345kV
(5)	Leeds – Pleasant Valley (92) 345kV	@STE	1724 MW	L/O	Athens – Pleasant Valley (91) 345kV
(6)	Mott Haven – Rainey 345kV	@SCUC	921 MW	L/O	Mott Haven – Rainey 345 kV
(6A)	Mott Haven – Rainey 345kV	@SCUC	949 MW	L/O	Mott Haven – Rainey 345 kV
(7)	Mott Haven – Rainey 345kV	@STE	1077 MW	L/O	Mott Haven – Rainey 345kV
(7A)	Mott Haven – Rainey 345kV	@STE	1081 MW	L/O	Mott Haven – Rainey 345kV
(8)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE	923 MW	L/O	Sprain Brook – E.G.C. (Y49) 345kV
(9)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NOR	630 MW		Pre-Contingency Loading
(10)	Fraser–Coopers Corners (FCC-33) 345kV	@LTE	1404 MW	L/O	Marcy–Coopers Corners (UCC2-41) 345 kV Porter – Rotterdam (30) 230 kV
(11)	New Scotland – Leeds (93) 345kV	@LTE	1538 MW	L/O	New Scotland – Leeds (94) 345kV
(12)	New Scotland – Leeds (93) 345kV	@STE	1724 MW	L/O	New Scotland – Leeds (94) 345kV
(13)	Fraser–Coopers Corners (FCC-33) 345kV	@NOR	1207 MW		Pre-Contingency Loading
(14)	Moses - Adirondack 230kV	@LTE	359 MW	L/O	Chateauguay–Massena (MSC-7040) 765 kV Massena – Marcy (MSU-1) 765 kV and TransÉnergie delivery
(15)	Moses - Adirondack 230kV	@STE	440 MW	L/O	Chateauguay–Massena (MSC-7040) 765 kV Massena – Marcy (MSU-1) 765 kV and TransÉnergie delivery
(16)	Marcy 765/345 T2 transformer	@LTE	1650 MW	L/O	Marcy 765/345 T1 transformer
(17)	Marcy 765/345 T2 transformer	@STE	1971 MW	L/O	Marcy 765/345 T1 transformer

APPENDIX I

GENERATION CHANGES ASSUMED FOR THERMAL ANALYSIS

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GENERATION PARTICIPATION FOR THERMAL ANALYSIS

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->				
<- GENERATOR MW-->					<----- GENERATOR MW --->				
	BUS NAME	BASE	SHIFT	CHANGE		BUS NAME	BASE	SHIFT	CHANGE
DYSINGER EAST, WEST CENTRAL									
158737	NANTICG2	500	550	50	126251	ER G6	120	116.5	-3.5
160702	LAMBTNG1	490	540	50	126252	ER G7	164	160.5	-3.5
					126653	AK 2	312	292	-20
					126655	AST 4	297.2	277.2	-20
					126656	AST 5	183	163	-20
					126657	RAV 1	320	300	-20
					129024	NRTPTG1	296.1	283.1	-13
UPNY - CONED									
158737	NANTICG2	500	515	15	126251	ER G6	120	116.5	-3.5
160702	LAMBTNG1	490	505	15	126252	ER G7	164	160.5	-3.5
135390	DUNKGEN3	170	175	5	126653	AK 2	312	292	-20
135801	HNTLY68G	180	185	5	126655	AST 4	297.2	277.2	-20
136701	9M PT 1G	646	696	50	126656	AST 5	183	163	-20
147765	MOS19-20	114	124	10	126657	RAV 1	320	300	-20
					129024	NRTPTG1	296.1	283.1	-13
SPRAIN BROOK DUNWOODIE - SOUTH									
158737	NANTICG2	500	515	15	126652	RAV 3	846	806	-40
160702	LAMBTNG1	490	505	15	126655	AST 4	217.2	187.2	-30
135390	DUNKGEN3	170	175	5	126657	RAV 1	320	290	-30
135801	HNTLY68G	180	185	5					
136701	9M PT 1G	646	696	50					
147765	MOS19-20	114	124	10					
CONED - LIPA									
125190	ROSE GN1	407.5	424.5	17	129024	NRTPTG1	296.1	278.1	-18
126251	ER G6	120	122.5	2.5	129026	NRTPTG3	267.9	249.9	-18
126252	ER G7	164	166.5	2.5	129027	NRTPTG4	251.1	233.1	-18
126652	RAV 3	846	871	25	129093	PTJFEG4	140	104	-36
126655	AST 4	297.2	304.7	7.5	147821	NYPA108	40	30	-10
126656	AST 5	183	190.5	7.5					
126657	RAV 1	320	336	16					
146840	BOW2	585	593.5	8.5					
147788	POLETGT2	160	173.5	13.5					
CENTRAL EAST, TOTAL EAST									
158737	NANTICG2	500	515	15	126251	ER G6	120	116.5	-3.5
160702	LAMBTNG1	490	505	15	126252	ER G7	164	160.5	-3.5
135390	DUNKGEN3	170	175	5	126653	AK 2	312	292	-20
135801	HNTLY68G	180	185	5	126655	AST 4	297.2	277.2	-20
136701	9M PT 1G	646	696	50	126656	AST 5	183	163	-20
147765	MOS19-20	114	124	10	126657	RAV 1	320	300	-20
					129024	NRTPTG1	296.1	283.1	-13

GENERATION PARTICIPATION FOR INTERFACES

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->				
<--- GENERATOR MW-->					<----- GENERATOR MW ---->				
BUS NAME	BASE	SHIFT	CHANGE		BUS NAME	BASE	SHIFT	CHANGE	
MOSES SOUTH									
147763	MOS17-18	91.7	141.7	50	126652	RAV 3	846	836	-10
147766	MOS21-22	114	164	50	126655	AST 4	297.2	287.2	-10
					126656	AST 5	183	173	-10
					135390	DUNKGEN3	170	160	-10
					135801	HNTLY68G	180	170	-10
NY - ONTARIO									
125190	ROSE GN1	407.5	426.4	18.9	156662	DARL G2	910	885	-25
126650	AK 3	404	419	15	156663	DARL G3	910	885	-25
126684	YORK G1	10	11.6	1.6	156664	DARL G4	910	885	-25
126685	YORK G2	10	11.6	1.6	156682	PIC B G5	520	495	-25
130873	KINTIG24	600	605.2	5.2					
136702	OSWGO 5G	750	759.5	9.5					
136703	OSWGO 6G	0	29.1	29.1					
136704	OCWE GEN	36.9	38.3	1.4					
136823	KAMINEGT	0	2.3	2.3					
136824	KAMINEST	0	1.6	1.6					
147777	GILBOA#1	290	291.4	1.4					
147779	GILBOA#3	255.3	259.7	4.4					
147796	POLETTI	657	665	8					
ONTARIO - NY									
155712	LENNOXG1	520	545	25	126650	AK 3	404	398	-6
155713	LENNOXG2	525	550	25	126657	RAV 1	320	311	-9
155715	LENNOXG4	520	545	25	130873	KINTIG24	600	588	-12
160716	WEST WG1	80	105	25	131313	GRNIDG 3	57	55.8	-1.2
					131314	GRNIDG 4	99	96.6	-2.4
					131461	MILKN 2	156	152.4	-3.6
					131462	MILKN 1	156	152.4	-3.6
					135391	DUNKGEN4	170	166.4	-3.6
					135800	HNTLY67G	180	174	-6
					136200	GERES LK	157.5	154.5	-3
					136703	OSWGO 6G	0	-18	-18
					136715	SITH-G1	115	112.6	-2.4
					136716	SITH-G2	115	112.6	-2.4
					136717	SITH-G3	115	112.6	-2.4
					136718	SITH-G4	115	112.6	-2.4
					136719	SITH-S5	145	142.6	-2.4
					136720	SITH-S6	145	142.6	-2.4
					137458	ATHENSC2	190	185.9	-4.1
					137459	ATHENSS2	105	103.1	-1.9
					137713	BETHGT3	155	150.8	-4.2
					146841	BOW1	585	581.4	-3.6
					147796	POLETTI	657	653.4	-3.6

GENERATION PARTICIPATION FOR THERMAL ANALYSIS

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->				
<- GENERATOR MW-->					<----- GENERATOR MW --->				
BUS NAME	BASE	SHIFT	CHANGE		BUS NAME	BASE	SHIFT	CHANGE	
NY - NE									
125190 ROSE GN1	409.1	439.1	20		101063 MYST G7	500	475	-25	
125193 DANSK G4	240	270	20		101252 CANAL G2	576	546	-30	
126655 AST 4	292.9	300.4	10		102868 NWNGT G1	422	397	-25	
126656 AST 5	183	190.5	5		103563 MILL#3	1260	1240	-20	
137711 BETHGT1	155	158	5						
137713 BETHGT3	155	158	5						
137714 BETH STM	253	257	5						
146840 BOW2	585	600	10						
NE - NY									
101063 MYST G7	500	525	25		125190 ROSE GN1	407.5	377.5	-30	
101252 CANAL G2	576	606	30		125193 DANSK G4	240	235	-5	
102868 NWNGT G1	422	447	25		125194 DANSK G3	136	121	-15	
103563 MILL#3	1260	1280	20		137711 BETHGT1	155	152	-3	
					137713 BETHGT3	155	152	-3	
					137714 BETH STM	253	249	-4	
					146840 BOW2	585	570	-15	
					147777 GILBOA#1	290	265	-25	
NY - PJM									
125190 ROSE GN1	597.8	625.6	27.8		Scale shift to all PJM generation				
126652 RAV 3	846	862.7	16.7						
135392 DUNK115G	160	171.1	11.1						
136701 9M PT 1G	646	679.3	33.3						
137711 BETHGT1	155	158.3	3.3						
137713 BETHGT3	155	158.3	3.3						
137714 BETH STM	253	257.4	4.4						
125190 ROSE GN1	597.8	625.6	27.8						
126652 RAV 3	846	862.7	16.7						
135392 DUNK115G	160	171.1	11.1						
136701 9M PT 1G	646	679.3	33.3						
137711 BETHGT1	155	158.3	3.3						
PJM - NY									
Scale shift from all PJM generation					125190 ROSE GN1	267.7	247.7	-20	
					126652 RAV 3	833	813	-20	
					130873 KINTIG24	425.4	405.4	-20	
					135390 DUNKGEN3	170	165	-5	
					135801 HNTLY68G	180	175	-5	
					147797 JAFITZ1G	882	852	-30	

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APPENDIX J

DISTRIBUTION FACTORS

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Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS

From	To	CKT	BFlow	Transfer	KINTI-ROCH	NIAGAR-ROCH	STOLLE-MEYER	LOCKPT-SOUR	LOCKPT-SHEL	NIAGAR-ROCH
KINTI345	ROCH 345	1	665	20.15%	TRIP	44.70%	14.96%	15.51%	14.07%	0/S
STOLE230	MEYER230	1	283.9	7.12%	5.78%	6.99%	TRIP	6.16%	5.59%	12.64%
ANDOVER1	PALMT115	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
LOCKPORT	SHEL -113	1	99.72	2.54%	3.52%	4.25%	3.61%	13.47%	TRIP	7.69%
LOCKPORT	NAKR-108	1	59.1	0.97%	1.35%	1.63%	1.39%	3.99%	3.73%	2.96%
LOCKPORT	OAKFLDTP	1	66.29	1.09%	1.51%	1.83%	1.55%	4.46%	4.16%	3.30%
LOCKPORT	SOUR-111	1	96.57	2.50%	3.48%	4.20%	3.57%	TRIP	12.08%	7.60%
LOCKPORT	TELRDTP1	1	88.18	1.32%	1.82%	2.21%	1.87%	6.55%	6.97%	3.99%
LOCKPORT	TELRDTP1	1	105.97	2.48%	3.45%	4.17%	3.54%	11.26%	18.40%	7.53%
NIAG 345	ROCH 345	1	661	29.54%	54.23%	TRIP	21.94%	22.74%	20.63%	TRIP
SUB-TOTALS				67.71%	75.14%	69.98%	52.43%	84.14%	85.63%	45.71%
L33P-L34P				0.00%	9.51%	11.50%	9.35%	4.86%	4.41%	20.79%
PJM-NYISO				32.29%	15.34%	18.54%	38.21%	11.00%	9.98%	33.52%
TOTALS				100.00%	99.99%	100.02%	99.99%	100.00%	100.02%	100.02%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

From	To	CKT	BFlow	Transfer	PANNEL-CLAY	STOLLE-MEYER	S121-SLEGH	PANNEL-FARM	PANNEL-CLAY
STOLE230	MEYER230	1	283.9	7.12%	2.50%	TRIP	3.07%	9.10%	5.93%
QUAKER	MACDN115	1	44.68	0.22%	0.46%	0.46%	20.45%	3.36%	1.10%
S121 B#2	SLEIG115	1	84	1.93%	3.57%	2.14%	TRIP	11.05%	8.47%
ANDOVER1	PALMT115	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
STA 162	S.PER115	1	-5	-0.67%	1.81%	18.91%	2.29%	5.16%	4.30%
MORTIMER	LAWLER-1	1	79.88	2.12%	2.63%	1.30%	3.86%	16.48%	6.24%
MORTIMER	LAWLER-2	1	37.69	2.25%	2.96%	1.02%	4.41%	3.89%	7.03%
PANNELL3	CLAY	1	94.37	26.38%	TRIP	9.13%	18.70%	20.08%	0/S
PANNELL3	CLAY	2	94.6	26.47%	57.86%	9.16%	18.76%	20.14%	TRIP
PANNELLI	FRMGTN-4	1	130.46	1.90%	6.22%	10.31%	17.93%	TRIP	14.76%
SUB-TOTALS				67.72%	78.01%	52.43%	89.47%	89.26%	47.83%
L33P-L34P				0.00%	8.53%	9.35%	3.39%	2.51%	20.24%
PJM-NYISO				32.29%	13.46%	38.21%	7.16%	8.24%	31.92%
TOTALS				100.01%	100.00%	99.99%	100.02%	100.01%	99.99%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

From	To	CKT	BFlow	Transfer	PORTER-RTRDM	EDIC34-NSCOT	MARCY3-NSCOT	FRASER-GILBA	BRBURG-RAMPO	WALDWK-SMAWA	HUDSON-FARGT	LINDEN-GOETH
BRANCHBG	RAMAPO 5	1	441	0.00%	1.89%	3.21%	3.29%	2.87%	TRIP	-3.16%	6.39%	16.79%
HUDSON1	FARRGUT1	1	333.64	0.00%	0.75%	1.23%	1.27%	1.59%	5.92%	-2.12%	TRIP	21.15%
LINDEN	GOETHALS	1	342.84	0.00%	1.06%	1.76%	1.80%	2.05%	13.40%	-1.20%	18.20%	TRIP
WALDWICK	SMAHWAH1	1	-341.3	-0.24%	1.07%	1.84%	1.88%	1.34%	25.78%	-89.60%	19.16%	12.64%
WALDWICK	SMAHWAH2	1	-452.8	0.24%	1.04%	1.80%	1.84%	1.46%	25.45%	TRIP	18.38%	12.08%
HUDSON2	FARRGUT2	1	333.7	0.00%	0.85%	1.40%	1.44%	1.79%	7.15%	-2.26%	31.05%	24.91%
HCOR138	BURNS138	1	-87.74	-0.01%	0.00%	-0.01%	-0.01%	-0.01%	0.02%	-0.03%	-0.01%	-0.01%
SMAH138	SMAHWAH1	1	-154.88	0.74%	-0.05%	-0.06%	-0.06%	0.18%	-0.49%	3.76%	-1.18%	-0.84%
SMAH138	RAMP138	1	-48.95	-0.50%	0.03%	0.05%	0.04%	-0.14%	0.53%	-3.19%	0.93%	0.65%
HCOR69	WNYA69	1	-13.46	0.13%	0.01%	0.03%	0.03%	0.06%	0.00%	-0.09%	0.08%	0.07%
MONTVALE	BLUHILL	1	6.37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	BLUHILL	2	6.37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	L491T	1	-35.21	0.05%	0.00%	0.01%	0.01%	0.02%	0.03%	-0.09%	0.03%	0.02%
SMAH69	HILB69	1	-60.77	-0.44%	0.00%	-0.02%	-0.02%	-0.14%	-0.10%	-0.34%	0.15%	0.10%
HCOR34	PEARL34	1	6.26	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CRESSKIL	SPARKILL	1	-9.96	0.04%	0.00%	0.01%	0.01%	0.02%	0.00%	-0.03%	0.02%	0.02%
PLAT T#3	GRAND IS	1	114	0.00%	3.21%	2.90%	3.07%	1.77%	0.78%	-0.05%	0.34%	0.56%
COOPC345	ROCK TAV	2	661	16.16%	3.66%	6.51%	6.82%	17.75%	4.31%	-0.40%	0.37%	1.30%
COOPC345	MDTN TAP	1	751	17.28%	3.81%	6.76%	7.09%	18.56%	4.76%	-0.38%	0.22%	1.22%
FRASR345	GILB 345	1	312	16.83%	9.31%	23.07%	23.63%	TRIP	3.48%	-0.22%	2.07%	3.11%
E.SPR115	INGHAM-E	1	-3.19	0.93%	0.95%	-0.23%	-0.22%	2.53%	0.16%	-0.01%	0.08%	0.13%
EDIC	N.SCOT77	1	756.54	18.85%	13.75%	TRIP	32.92%	19.42%	3.28%	-0.23%	1.35%	2.24%
PORTER 2	ROTRDM.2	1	236	4.49%	TRIP	5.37%	5.42%	3.06%	0.75%	-0.05%	0.32%	0.53%
PORTER 2	ROTRDM.2	2	242	4.61%	34.00%	5.52%	5.57%	3.15%	0.77%	-0.05%	0.33%	0.54%
INGMS-CD	INGHAM-E	1	119.82	0.00%	9.73%	3.72%	3.74%	0.71%	0.41%	-0.03%	0.16%	0.27%
MARCY T1	N.SCOT99	1	845	20.35%	14.65%	34.73%	TRIP	20.98%	3.54%	-0.25%	1.47%	2.43%
TOTALS				99.50%	99.72%	99.60%	99.56%	99.02%	99.93%	-100.02%	99.91%	99.91%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

From	To	CKT	BFlow	Transfer	PLVLLY-MILLW	PLVLLY-FISHK	RAMAPO-BUCHN	LADNTW-BUCHS	LINDEN-GOETH	HUDSON-FARGT	ROSETN-FISHK
ROSETON	FISHKILL	1	1445.01	19.81%	-11.22%	15.28%	16.76%	23.03%	8.43%	7.69%	TRIP
E FISH I	FISHKILL	1	-86	1.85%	-0.49%	2.59%	0.84%	0.97%	0.53%	0.45%	6.59%
FISHKILL	SYLVN115	1	112.71	0.97%	0.77%	-0.07%	0.36%	0.64%	0.22%	0.18%	0.54%
RAMAPO	BUCH N	1	176	13.51%	3.38%	-0.20%	TRIP	44.04%	14.72%	14.77%	13.70%
LADENTWN	BUCH S	1	569	13.48%	18.06%	-3.66%	57.62%	TRIP	21.36%	21.78%	24.63%
PLTVLLEY	FISHKILL	1	247.61	7.88%	23.67%	TRIP	-0.51%	-7.24%	0.82%	0.46%	32.31%
PLTVLLEY	FISHKILL	2	247.61	7.88%	23.67%	66.30%	-0.51%	-7.24%	0.82%	0.46%	32.31%
PLTVLLEY	MILLWOOD	1	738.68	17.43%	TRIP	8.72%	3.22%	13.16%	2.41%	1.55%	-8.74%
PLTVLLEY	WOOD B	1	761	17.20%	34.93%	9.11%	3.20%	12.72%	2.40%	1.56%	-8.46%
SUB-TOTALS				100.01%	92.77%	98.07%	80.98%	80.08%	51.71%	48.90%	92.88%
LINDEN-GOETH				0.00%	0.85%	0.11%	4.96%	5.50%	TRIP	18.20%	2.32%
HUDSON-FAR1				0.00%	0.72%	0.08%	6.32%	7.12%	24.91%	31.05%	2.71%
HUDSON-FAR2				0.00%	0.64%	0.07%	5.78%	6.52%	21.15%	TRIP	2.46%
NORHBR-NRPRT				0.00%	5.03%	1.69%	1.97%	0.80%	2.22%	1.86%	-0.37%
TOTALS				100.01%	100.01%	100.02%	100.01%	100.02%	99.99%	100.01%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK / DUNWOODIE SOUTH CIRCUITS

From	To	CKT	BFlow	Transfer	SPRAIN-TRMNT	DUNWDE-RAINY	VSTR-JAMAICA	LKSUC-JMAICA	REAC72-MOTT
SPRBROOK	TREMONT	1	391.01	0.00%	TRIP	2.89%	7.36%	8.10%	3.61%
REACM51	W 49 ST	1	544	24.20%	4.38%	18.95%	5.90%	6.56%	0/S
REACM52	W 49 ST	2	544	24.20%	4.38%	18.95%	5.90%	6.56%	23.91%
DUN N01R	S CREEK	1	129	0.00%	16.77%	1.47%	3.45%	3.86%	1.80%
DUN N02R	S CREEK	1	116	0.00%	20.51%	1.80%	4.22%	4.72%	2.20%
DUN S01R	E179 ST	1	169	0.00%	25.57%	2.24%	5.27%	5.88%	2.74%
V STRM P	JAMAICA	1	121	0.00%	6.83%	3.85%	TRIP	42.86%	4.76%
L SUCSPH	JAMAICA	1	163	0.00%	8.50%	5.02%	48.44%	TRIP	6.17%
REAC71	MOTT_H	3	530.62	25.89%	4.13%	TRIP	5.93%	6.83%	27.87%
REAC72	MOTT_H	4	526.93	25.71%	4.10%	23.07%	5.89%	6.79%	TRIP
SUB-TOTALS				100.00%	95.17%	78.24%	92.36%	92.16%	73.06%
LINDEN-GOETH				0.00%	1.54%	6.58%	2.35%	2.39%	8.14%
HUDSON-FAR1				0.00%	1.72%	7.95%	2.77%	2.85%	9.84%
HUDSON-FAR2				0.00%	1.57%	7.24%	2.53%	2.60%	8.96%
TOTALS				100.00%	100.00%	100.01%	100.01%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS

From	To	CKT	BFlow	Transfer	MASSEN_CHAT	MASSEN-MARCY	MOSES2-ADRON	MOSES2-ADRONB1
ALCOA-NM	BRADY	1	21.32	1.11%	0.42%	2.09%	0.76%	1.81%
ALLENS F	COLTON	1	-25	1.52%	0.24%	1.68%	0.63%	1.47%
DENNISON	ANDRWS-4	1	8.69	2.16%	0.81%	4.07%	1.47%	3.52%
DENNISON	LWRNCE-B	1	9.52	2.16%	0.81%	4.07%	1.47%	3.52%
MASS 765	MARCY765	1	1188	73.94%	64.94%	TRIP	43.37%	0/S
MOSES W	ADRON B1	1	124	9.56%	3.17%	18.28%	TRIP	TRIP
MOSES W	ADRON B2	1	124	9.56%	3.17%	18.28%	36.28%	48.02%
SUB-TOTALS				100.01%	73.56%	48.47%	83.98%	58.34%
PV-20				0.76%	1.87%	7.07%	2.46%	6.00%
CHAT-MASSENA				0.76%	1.86%	7.03%	2.45%	5.97%
MOSES-L34P				0.00%	12.70%	21.65%	6.49%	17.25%
MOSES-L33P				0.00%	10.24%	17.47%	5.24%	13.92%
TOTALS				101.53%	100.23%	101.69%	100.62%	101.48%

Table-7 DISTRIBUTION FACTORS FOR NYISO-NE CIRCUITS

From	To	CKT	BFlow	Transfer	NHHAR_GEN	VTYANK_GEN	YRMTH_GEN	SBRK_GEN	HIGATE_DC	EELRIVER	MADWAS_DC	ALPS34-MANY	PV.345-LNGMT
PLAT T#3	GRAND IS	1	114	0.00%	-4.31%	-7.75%	-7.84%	-7.61%	-36.80%	-7.91%	-7.91%	-8.64%	4.75%
HOOSICK	BNNINGTN	1	-18.16	3.69%	-1.59%	-2.21%	-2.66%	-2.71%	-1.27%	-2.66%	-2.66%	-9.78%	2.77%
WHITEHAL	BLISSPAR	1	104.92	0.00%	-2.26%	-6.21%	-4.97%	-4.78%	-7.69%	-4.99%	-4.99%	-9.72%	3.87%
ROTRDM.2	BRWAMP	1	-25.99	8.58%	-4.68%	-6.35%	-7.95%	-8.08%	-4.13%	-7.94%	-7.94%	-15.78%	6.91%
ALPS345	MANY393	1	-251.73	39.32%	-21.26%	-41.40%	-35.75%	-35.44%	-23.54%	-35.72%	-35.72%	TRIP	37.16%
PLTVLLEY	CTNY398	1	248.47	48.41%	-46.38%	-26.11%	-29.82%	-30.24%	-18.91%	-29.79%	-29.79%	-43.77%	TRIP
NRTHPT P	NORHR138	1	-100	0.00%	-19.53%	-9.97%	-11.02%	-11.14%	-7.65%	-11.01%	-11.01%	-12.31%	44.55%
TOTALS				100.00%	-100.01%	-100.00%	-100.01%	-100.00%	-99.99%	-100.02%	-100.02%	-100.00%	100.01%

Table-8 DISTRIBUTION FACTORS FOR ONTARIO-NYISO CIRCUITS

From	To	CKT	BFlow	Transfer	PA27-NIAGAR	STLAWR-MOSES	BECKB-NIAGAR	BECKA-PA302
BCK2BP76	PACKARD2	1	0/S	0/S	0/S	0/S	0/S	0/S
BECK A	NIAG 345	1	-72	27.81%	-45.79%	-8.23%	-65.21%	TRIP
BECK B	NIAG 345	1	-72	27.81%	-45.79%	-8.23%	TRIP	0/S
STLAWL33	MOSES E	1	0	0.00%	-1.34%	TRIP	-1.39%	-4.01%
STLAWL34	MOSES E	1	0	0.00%	-1.72%	-65.77%	-1.79%	-5.13%
BCK2PA27	NIAGAR2W	1	-189.51	15.21%	TRIP	-4.71%	-27.19%	-78.15%
SUB-TOTALS				70.83%	-94.64%	-86.94%	-95.58%	-87.29%
ON-MICH			325.87	29.17%	-5.05%	-12.14%	-4.17%	-11.98%
TOTALS				100.00%	-99.69%	-99.08%	-99.75%	-99.27%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

From	To	CKT	BFlow	Transfer	ERIESO-FALCS	HMRCTY-STOLL	HMRCTY-WATER	E.TOWD-HILLS	BRBURG-RAMPO	WALDWK-SMAWA	HUDSON-FARGT	LINDEN-GOETH
BRANCHBG	RAMAPO 5	1	441	0.00%	-6.21%	6.09%	13.58%	7.27%	TRIP	-3.16%	6.39%	16.79%
HUDSON1	FARRGUT1	1	333.64	0.00%	-1.69%	1.66%	3.61%	2.34%	5.92%	-2.12%	TRIP	21.15%
LINDEN	GOETHALS	1	342.84	0.00%	-2.75%	2.69%	5.92%	3.30%	13.40%	-1.20%	18.20%	TRIP
WALDWICK	SMAHWAH1	1	-341.3	-0.06%	-3.82%	3.73%	8.43%	5.44%	25.78%	-89.60%	19.16%	12.64%
WALDWICK	SMAHWAH2	1	-452.8	0.06%	-3.54%	3.46%	7.79%	5.06%	25.45%	TRIP	18.38%	12.08%
HUDSON2	FARRGUT2	1	333.7	0.00%	-1.95%	1.91%	4.17%	2.65%	7.15%	-2.26%	31.05%	24.91%
HCOR138	BURNS138	1	-87.74	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%	-0.03%	-0.01%	-0.01%
SMAH138	SMAHWAH1	1	-154.88	0.19%	0.43%	-0.41%	-0.97%	-0.58%	-0.49%	3.76%	-1.18%	-0.84%
SMAH138	RAMP138	1	-48.95	-0.14%	-0.31%	0.30%	0.71%	0.43%	0.53%	-3.19%	0.93%	0.65%
HCOR69	WNYA69	1	-13.46	0.03%	0.01%	0.00%	-0.02%	-0.01%	0.00%	-0.09%	0.08%	0.07%
MONTVALE	BLUHILL	1	6.37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	BLUHILL	2	6.37	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	L491T	1	-35.21	0.01%	0.01%	-0.01%	-0.01%	-0.01%	0.03%	-0.09%	0.03%	0.02%
SMAH69	HILB69	1	-60.77	-0.11%	-0.13%	0.12%	0.30%	0.17%	-0.10%	-0.34%	0.15%	0.10%
HCOR34	PEARL34	1	6.26	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CRESSKIL	SPARKILL	1	-9.96	0.01%	0.00%	0.00%	-0.01%	0.00%	0.00%	-0.03%	0.02%	0.02%
HOMER CY	STOLE345	1	214	8.25%	-15.77%	TRIP	15.06%	3.81%	1.66%	-0.12%	0.49%	0.92%
HOMER CY	WATRC345	1	492	17.00%	-5.90%	16.53%	TRIP	5.56%	4.06%	-0.29%	1.17%	2.22%
E.TWANDA	HILSD230	1	80.37	13.41%	-7.06%	6.13%	8.15%	TRIP	3.19%	-0.27%	1.11%	1.81%
LAUREL L	GOUDY115	1	-13	4.63%	-0.81%	0.37%	4.39%	10.80%	1.16%	-0.10%	0.40%	0.65%
E.SAYRE	N.WAV115	1	7.2	5.47%	-2.00%	1.46%	4.19%	33.89%	1.33%	-0.11%	0.45%	0.75%
ERIE E	S RIPLEY	1	-103	13.62%	TRIP	22.43%	7.64%	6.24%	2.40%	-0.17%	0.70%	1.33%
WARREN	FALCONER	1	40.21	4.30%	-20.97%	8.43%	1.95%	3.29%	0.83%	-0.06%	0.25%	0.46%
SUB-TOTALS				66.67%	-72.46%	74.89%	84.88%	89.65%	92.32%	-99.47%	97.77%	95.72%
MICH-ON				33.32%	-25.99%	23.60%	14.21%	9.71%	7.18%	-0.51%	2.11%	4.00%
TOTALS				99.99%	-98.45%	98.49%	99.09%	99.36%	99.50%	-99.98%	99.88%	99.72%

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
3	NIAGARA		46.4%	-7.3%	7.3%	7.3%	75.8%	0.0%	23.0%	45.1%
4	HUNTLEY		46.2%	-7.6%	7.6%	7.6%	74.9%	0.0%	22.7%	44.9%
5	DUNKIRK		45.3%	3.7%	-3.7%	-3.7%	67.9%	0.0%	21.4%	43.9%
6	OSWEGO		51.1%	-1.4%	1.4%	1.4%	-2.9%	0.0%	29.9%	50.3%
7	GILBOA		1.5%	0.2%	-0.2%	-0.2%	0.4%	0.0%	1.3%	1.1%
8	BETH		-15.8%	-0.2%	0.2%	0.2%	-0.3%	0.0%	11.3%	-13.8%
9	ATHENS		-5.8%	0.0%	0.0%	0.0%	-0.1%	0.0%	5.1%	-5.7%
10	ROSETON		0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.2%	0.3%
11	BOWLINE		1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-1.1%	1.2%
12	INDIANPT2		1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.9%	1.0%
13	NORWALK	115 SW CT	-5.4%	-0.1%	0.1%	0.1%	-0.1%	0.0%	4.2%	-5.1%
14	BRAYTON	345 SE MA	-9.4%	-0.1%	0.1%	0.1%	-0.2%	0.0%	7.2%	-8.7%
15	SBRK	345 SE NH	-10.0%	-0.1%	0.1%	0.1%	-0.2%	0.0%	7.6%	-9.2%
16	LAMBTON		45.0%	54.5%	45.5%	45.5%	62.1%	0.0%	20.9%	43.6%
17	NANTICOKE		45.8%	72.3%	27.7%	27.7%	69.4%	0.0%	22.2%	44.5%
18	BECK		46.5%	86.2%	13.8%	13.8%	75.2%	0.0%	23.1%	45.2%
19	CONEMAUGH	500 W PA	43.6%	28.1%	-28.1%	71.9%	49.8%	0.0%	18.9%	42.1%
20	SALEM	500 S NJ	43.6%	27.6%	-27.6%	72.4%	48.4%	0.0%	18.8%	42.0%
21	PORTLAND	230 E PA	43.4%	26.6%	-26.6%	73.4%	46.8%	0.0%	18.7%	41.8%
22	HUDSON	230 NE NJ	43.5%	27.0%	-27.0%	73.0%	47.4%	0.0%	18.7%	41.9%
23	EDDYSTONE	138 SE PA	43.5%	27.5%	-27.5%	72.5%	48.3%	0.0%	18.8%	42.0%
24	BRANDON	230 E MD	43.7%	29.2%	-29.2%	70.8%	50.0%	0.0%	19.0%	42.1%
25	KARNS	345 NE MI	44.5%	44.8%	-44.8%	55.2%	58.1%	0.0%	20.3%	43.1%
26	ZEEL	345 W MI	44.3%	40.0%	-40.0%	60.0%	56.0%	0.0%	19.9%	42.8%
27	BOWEN	500 NW GA	44.0%	33.6%	-33.6%	66.4%	53.0%	0.0%	19.4%	42.4%
28	MTSTORM	500 N WV	43.8%	30.8%	-30.8%	69.2%	51.4%	0.0%	19.2%	42.3%
29	HATFIELD	500 SW PA	43.8%	30.4%	-30.4%	69.6%	51.4%	0.0%	19.2%	42.3%
30	NEWTON	345 SE IL	44.1%	35.2%	-35.2%	64.8%	53.9%	0.0%	19.6%	42.6%

Table-10A 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
3	NIAGARA		29.4%	-16.9%	15.9%	16.9%	47.3%	-7.8%	14.6%	25.6%
4	HUNTLEY		28.9%	-17.3%	16.3%	17.3%	45.5%	-8.1%	14.3%	25.1%
5	DUNKIRK		25.0%	-7.9%	7.4%	7.9%	36.7%	-10.0%	11.7%	21.7%
6	OSWEGO		40.5%	-9.5%	8.9%	9.5%	-13.6%	-2.3%	23.3%	36.4%
7	GILBOA		-5.2%	-4.8%	4.5%	4.8%	-5.1%	1.0%	-2.0%	-5.5%
8	BETH		-22.8%	-5.3%	5.0%	5.3%	-5.1%	1.0%	8.7%	-17.7%
9	ATHENS		-11.0%	-3.9%	3.7%	3.9%	-4.0%	2.0%	2.6%	-10.5%
10	ROSETON		-3.0%	-2.3%	2.2%	2.3%	-2.4%	3.6%	-1.6%	-2.7%
11	BOWLINE		0.3%	-0.5%	0.5%	0.5%	-0.5%	6.7%	-1.1%	0.2%
12	INDIANPT2		-0.1%	-0.6%	0.5%	0.6%	-0.6%	6.0%	-0.9%	-0.1%
13	NORWALK	115 SW CT	-6.7%	-2.3%	2.1%	2.3%	-2.1%	2.7%	1.5%	-4.7%
14	BRAYTON	345 SE MA	-16.4%	-4.4%	4.1%	4.4%	-3.6%	1.7%	5.8%	-9.9%
15	SBRK	345 SE NH	-17.8%	-4.7%	4.4%	4.7%	-3.7%	1.6%	6.4%	-10.0%
16	LAMBTON		23.3%	43.4%	56.1%	56.6%	23.9%	-11.5%	11.0%	19.9%
17	NANTICOKE		28.8%	64.6%	33.4%	35.4%	31.5%	-8.7%	14.3%	24.5%
18	BECK		29.9%	77.4%	21.2%	22.6%	44.7%	-7.7%	15.1%	25.9%
19	CONEMAUGH	500 W PA	13.4%	10.1%	-9.4%	89.9%	10.8%	-16.8%	5.0%	11.5%
20	SALEM	500 S NJ	9.1%	6.5%	-6.0%	93.5%	6.5%	-19.5%	3.0%	7.8%
21	PORTLAND	230 E PA	7.9%	4.6%	-4.3%	95.4%	4.5%	-15.0%	2.3%	6.8%
22	HUDSON	230 NE NJ	3.1%	1.7%	-1.6%	98.3%	1.7%	-5.2%	0.5%	2.6%
23	EDDYSTONE	138 SE PA	9.1%	6.4%	-6.0%	93.6%	6.4%	-19.6%	3.0%	7.8%
24	BRANDON	230 E MD	12.5%	10.6%	-9.9%	89.4%	10.1%	-17.5%	4.6%	10.7%
25	KARNS	345 NE MI	20.3%	31.8%	-31.4%	68.2%	19.9%	-13.1%	9.1%	17.3%
26	ZEEL	345 W MI	18.7%	26.0%	-25.0%	74.0%	17.9%	-14.0%	8.1%	16.0%
27	BOWEN	500 NW GA	16.1%	17.9%	-16.3%	82.1%	14.6%	-15.3%	6.6%	13.8%
28	MTSTORM	500 N WV	14.6%	13.7%	-12.8%	86.3%	12.6%	-16.2%	5.7%	12.5%
29	HATFIELD	500 SW PA	15.0%	13.5%	-12.7%	86.5%	12.9%	-15.9%	5.9%	12.8%
30	NEWTON	345 SE IL	17.0%	20.2%	-18.4%	79.8%	15.7%	-14.8%	7.1%	14.5%

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