

Appendices

A. SCHEDULE OF SIGNIFICANT INTERCHANGES ASSUMED FOR TRANSFER LIMITS STUDIES

SUMMARY OF NET INTERCHANGE SCHEDULES

TO FROM	NYISO	PJM	IESO	ISONE	NB/NS	Trans Énergie	Cross- Sound	Neptune- HVdc	Linden VFT	HTP	NNC Transfer	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		35	0	90	0	-239	-330	-660	-315	-320	-100	121	-1718
PJM	-35		0	0	0	0	0	660	315	320	0	-1933	-993
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-90	0	0		0	-225	330	0	0	0	100	0	115
NB/NS	0	0	0	0		-300	0	0	0	0	0	0	-300
Trans Énergie	239	0	1250	225	300		0	0	0	0	0	45	2059

APPENDIX A
SUMMARY OF WINTER 2015-16 BASE TRANSFERS

NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-300
New Brunswick to New England	0
Total Export (+) / Import (-)	-300

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond HVdc	0
New England to TransÉnergie: Vermont	-225
New England to New York	-90
New England to NY: Norwalk Harbor-Northport	100
New England to NY: Cross-Sound	330
Total Export (+) / Import (-)	115

NEW YORK ISO	
New York to TransÉnergie	-239
New York to New England	90
New York to New England: Norwalk Harbor-Northport	-100
New York to New England: Cross-Sound	-330
New York to PJM: NYPA to PA-RECS	73
New York to PJM: Sithe Allegheny	-38
New York to PJM: Non-Firm Energy	0
New York to PJM: Linden VFT	-315
New York to PJM: Neptune HVdc	-660
New York to PJM: HTP	-320
New York to MISO: NYPA to AMP- Ohio	121
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-1718

APPENDIX A
SUMMARY OF WINTER 2015-16 BASE TRANSFERS

IESO (Ontario)	
IESO to TransÉnergie	-1250
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	-1250

PJM	
PJM to New York: NYPA to PA-RECS	-73
PJM to New York: Sithe Allegheny	38
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	660
PJM to New York: Linden VFT	315
PJM to New York: HTP	0
Miscellaneous Transfers to Other Areas	-1933
Total Export (+) / Import (-)	-993

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	300
TransÉnergie to New England: Sandy Pond HVdc	0
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	239
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	2059

B. WINTER 2015-16 BASE CASE CONDITIONS

Winter 2015-16 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	264 MW	In Service
Dunkirk	0 MW	Out of Service
Niagara	2675 MW	In Service
AES/Somerset	658 MW	In Service
Ginna	583 MW	In Service
Sithe/Independence	1100 MW	In Service
Oswego #5	198 MW	In Service
Oswego #6	0 MW	Out of Service
Nine Mile Pt #1	636 MW	In Service
Nine Mile Pt #2	1296 MW	In Service
J.A. Fitzpatrick	843 MW	In Service
Maple Ridge Wind Farm	97 MW	In Service
St. Lawrence/FDR (17-32)	745 MW	In Service
Athens	540 MW	In Service
Bethlehem Energy Center	529 MW	In Service
Empire	440 MW	In Service
Gilboa	520 MW	In Service
Bowline Pt 1	327 MW	In Service
Bowline Pt 2	0 MW	Out of Service
Roseton 1	527 MW	In Service
Roseton 2	265 MW	In Service
Indian Pt #2	1031 MW	In Service
Indian Pt #3	1047 MW	In Service
Astoria Energy II	300 MW	In Service
Bayonne Energy Center	0 MW	Out of Service
ConEd Astoria Units (Astoria 3 and 5)	252 MW	In Service
NYPA Astoria Combined-Cycle	292 MW	In Service
Ravenswood #3	894 MW	In Service
ECP/Linden Cogen	378 MW	In Service
Arthur Kill #3	0 MW	Out of Service

Northport 1	127 MW	In Service
Northport 2	127 MW	In Service
Northport 3	127 MW	In Service
Northport 4	127 MW	In Service

ISO-NE

Millstone Point #2	934 MW	In Service
Millstone Point #3	1276 MW	In Service
Vermont Yankee	0 MW	Retired
Northfield 1, 2, 3 & 4	0 MW	Out of Service
Bear Swamp 1 & 2	0 MW	Out of Service
Norwalk Harbor 1 & 2	173/179 MW	In Service
Seabrook	1317 MW	In Service

Ontario

Beck 1	357 MW	In Service
Beck 2	1095 MW	In Service
Thorold	200 MW	In Service
Decew Falls	126 MW	In Service
Bruce A	1368 MW	In Service
Bruce B	2121 MW	In Service
Darlington	3668 MW	In Service
Lambton	0 MW	Out of Service
Pickering A	519 MW	In Service
Pickering B	1537 MW	In Service
Nanticoke	0 MW	Out of Service
Saunders	690 MW	In Service

PJM

Peach Bottom #2	1171 MW	In Service
Peach Bottom #3	1126 MW	In Service
Salem #1	1200 MW	In Service
Salem #2	1191 MW	In Service
Limerick #1	1154 MW	In Service
Limerick #2	1146 MW	In Service
Hope Creek	1266 MW	In Service

Susquehanna #1	1340 MW	In Service
Susquehanna #2	1294 MW	In Service

TransÉnergie HVdc CONVERTER SCHEDULES

Chateaugay HVdc	127 MW	In Service
Sandy Pond HVdc	0 MW	Out of Service
Highgate HVdc	223 MW	In Service
Madawaska HVdc	300 MW	In Service
Eel River HVdc	0 MW	Out of Service

AREA LOADS & LOSSES

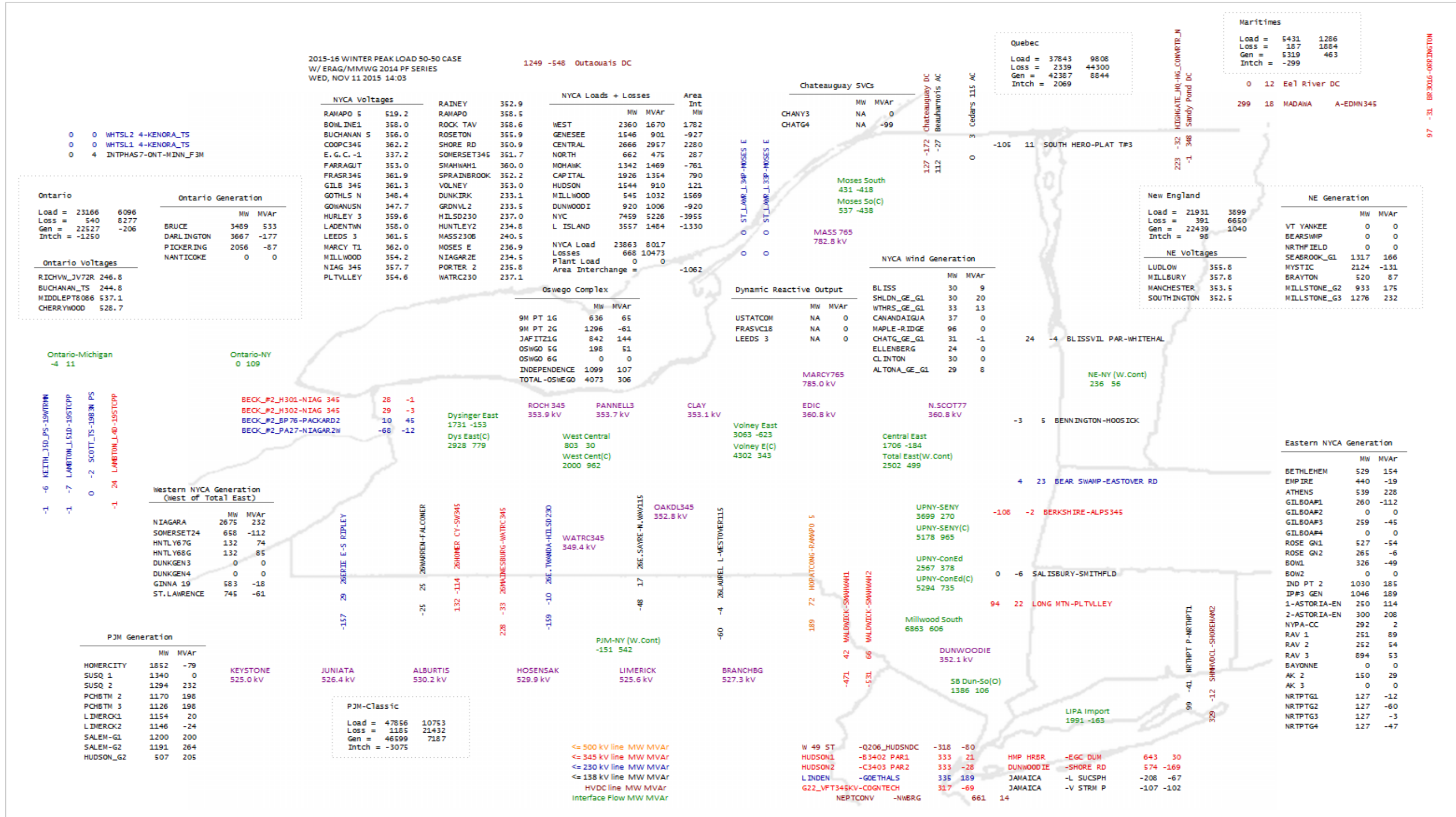
NYISO	24,515 MW
ISO-NE	22,324 MW
IESO (Ontario)	23,707 MW
PJM	48,817 MW

PHASE ANGLE REGULATOR SCHEDULES

Inghams (CD-ED)	120 MW
Sandbar PAR (PV-20)	100 MW
St. Lawrence-Moses L33P	0 MW
St. Lawrence-Moses L34P	0 MW
Norwalk Harbor-Northport	100 MW
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)	95 MW
Ramapo PAR #2 (+ to NY)	95 MW
East Garden City #1	320 MW
East Garden City #2	320 MW

C. POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



D. RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ACADEMY__138A_138B_PAR1	PAR1	138	301	360	451	325751	150
ACADEMY__138A_138B_PAR8	PAR8	138	301	360	451	325750	150
ACADEMY__345_138_TR1	TR1	345	303	368	446	325753	150
ACADEMY__345_138_TR8	TR8	345	303	368	446	325752	150
ADIRNDCK-CHASLAKE_230_13	13	230	478	478	634	325233	8
ADIRNDCK-PORTER__230_12	12	230	478	478	634	25082	85
ALBANY__-GREENBSH_115_1	1	115	227	248	268	25860	81
ALBANY__-GREENBSH_115_2	2	115	227	248	268	25868	81
ALBANY__-TRINITY__115_5	5	115	214	247	247	25861	75
ALBANY__-TRINITY__115_9	9	115	159	178	258	25872	80
ALCOA__-DENNISON_115_12-AD	12-AD	115	213	234	251	25227	25
ALCOA__-NOGDNRG_115_13	13	115	156	170	181	25230	26
ALCOA_PA-ALCOA__115_R8105	R8105	115	263	294	348	25202	51
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	88	88	98	26481	11
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	107	107	107	26480	14
AMERISTD-GARDNVLB_115_182-3	182-3	115	168	212	239	26015	61
ANDOVER_-PALMITER_115_157-932	157_932	115	97	117	119	25094	0
ARCADE_-MACHIAS__115_167	167	115	156	171	182	326168	14
ARSENAL_-REYNOLDS_115_31	31	115	156	170	181	26423	55
ASH_____-TEMPLE__115_9	9	115	207	233	233	26062	7
ASHLEYRD-MASONCR__115_909	909	115	189	207	221	25847	20
ASHLEYRD-PLATSBG_115_700	700	115	179	179	239	25845	24
ASTANNEX_138A_138B_PAR1	PAR1	138	415	477	544	325848	0
ASTANNEX_345_138_TR1	TR1	345	320	390	468	325847	0
ASTANNEX-ASTORIAE_138_34091	34091	138	288	318	346	325849	0
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	415	639	1595	25134	163
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	415	639	1595	25142	137
ASTORIAE-ASTORIA3_138_34123	34123	138	299	335	400	25876	0
ASTORIAE-CORONA__138_34181	34181	138	195	249	378	25277	66
ASTORIAE-CORONA__138_34182	34182	138	195	249	378	25278	64
ASTORIAE-CORONA__138_34183	34183	138	195	249	378	25279	66
ASTORIAE-CORONA__138_34184	34184	138	195	249	378	25280	61
ASTORIAE-CORONA__138_34185	34185	138	195	249	378	25281	58
ASTORIAE-CORONA__138_34186	34186	138	195	249	378	25282	59
ASTORIAW-QUENBRDG_138_28241	28241	138	195	249	378	25315	65
ASTORIAW-QUENBRDG_138_28242	28242	138	195	249	378	25316	66
ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	121
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	139
ATHENS__-PLSNTVLY_345_91	91	345	1624	1783	1946	25054	812
BAGATLRD-PILGRIM__138_564	564	138	572	628	698	325607	30
BAKER_ST-FALCONER_115_160-3	160-3	115	222	234	239	26513	7
BALLSTON-TAPBLSTN_115_302	302	115	141	144	165	325897	7
BARRETT__138A_138B_PAR	B_PAR	138	255	313	313	25590	135
BARRETT_-FREEPORT_138_459	459	138	193	281	313	26425	135
BATAVIA_-SEBATVIA_115_117	117	115	239	239	239	26017	64
BATH_____-MONTRFL_115_965	965	115	146	149	149	26163	11

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BATH____-SPENCHIL_115_723	723	115	146	160	178	325797	54
BATNKILL-EASTOVER_115_10	10	115	227	248	268	26474	21
BATTHILL-PYRITES_115_7	7	115	93	101	107	26065	18
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	4
BECK NM_-SWANROAD_115_BL104	BL 104	115	199	199	199	25042	0
BECK____-NIAGARA_230_PA27	PA27	230	480	540	685	25025	68
BECK____-NIAGARA_345_PA301	PA301	345	1180	1469	1860	25040	29
BECK____-NIAGARA_345_PA302	PA302	345	1180	1469	1860	25041	29
BECK____-PACKARD_230_BP76	BP76	230	582	687	687	25024	11
BENNETT_-MORAINES_115_725	725	115	149	172	179	325858	62
BENNETT_-SPENCHIL_115_953	953	115	146	160	178	26164	38
BERKSHIR-ALPS_____345_393	393	345	1601	1757	1912	25034	108
BERKSHIR-NORTHFLD_345_312	312	345	1345	1345	1793	25366	39
BERRY_RD-BAKER_ST_115_160-2	160-2	115	245	257	282	26512	7
BETHLHEM-ALBANY____115_18-BA	18-BA	115	388	427	474	26119	101
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	10
BIGTREE_-LANGNERD_115_903	903	115	179	197	213	326050	46
BLACKRVR-CLIMAX____115_1-BC	1-BC	115	141	144	159	26067	33
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	12
BLACKRVR-FORTDRUM_115_2-BF	2-BF	115	141	144	159	26068	12
BLACKRVR-GLENPARK_115_3	3	115	119	119	119	325315	17
BLACKRVR-LIGHTHSE_115_6	6	115	141	144	159	25506	27
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	25
BLUESTOR-LAFARGE_115_8	8	115	141	144	159	326091	23
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	168	187	216	25505	36
BLUESTOR-PLSTVYCH_115_8	8	115	141	144	159	25498	23
BNNINGTN-HOOSICK_115_K6	K6	115	229	265	278	25029	3
BNVLMUNI-PORTER____115_2	2	115	141	144	159	325778	17
BOONVLE-BNVLMUNI_115_2	2	115	124	124	124	26073	6
BOONVLE-PORTER____115_1	1	115	127	127	127	26074	14
BOONVLE-ROME____115_3	3	115	141	144	159	26071	22
BOONVLE-ROME____115_4	4	115	128	135	152	26072	28
BORDRCTY-GUARDIAN_115_969	969	115	179	179	179	325283	108
BOWLINE_345_138_BK455	BK455	345	506	587	671	25664	130
BOWLINE_-WHAVSTRW_345_67-1	67-1	345	777	837	837	25567	326
BOWLINOR-CONGERS_138_561	561	138	378	414	431	26723	112
BRIGHAM_-LUDLUM_B_115_161	161	115	213	225	242	26020	50
BRISTLHL-CLAY____115_4	4	115	128	135	135	25518	25
BRISTLHL-S.OSWEGO_115_4	4	115	128	134	152	25512	26
BROOK_RD-SMITHBRD_115_2	2	115	268	292	317	325901	24
BROOK_RD-SMITHBRD_115_302	302	115	268	292	317	325902	16
BROOK_RD-TAPBROOK_115_2	2	115	268	292	317	325899	54
BROOK_RD-TAPBROOK_115_302	302	115	268	292	317	325900	30
BROOKHVN_138_69_BK 1	BK 1	138	258	304	338	26548	88
BROOKHVN_138_69_BK 2	BK 2	138	258	304	338	325152	81
BROOKHVN-EDWARDAV_138_864	864	138	308	481	593	25553	81
BROOKHVN-SILLSRD_138_874	874	138	572	628	698	325617	88
BROOKHVN-SILLSRD_138_887	887	138	457	502	558	325619	88

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BROOKHVN-WILDWOOD_138_861	861	138	501	553	678	325932	73
BROWNFLS-HIGLEY___115_1-BH	1-BH	115	130	144	159	26078	7
BROWNFLS-TAYLORVL_115_3	3	115	130	144	150	26076	10
BROWNFLS-TAYLORVL_115_4	4	115	128	135	147	26077	10
BUCHAN_N_345_138_BK TA5	BK TA5	345	230	306	381	25425	79
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	79
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	729
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	490
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	490
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	16
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	16
BUFAL129-MAPLE140_115_38	38	115	176	181	209	326159	64
BUFAL129-MAPLE140_115_39	39	115	176	181	209	326160	63
BUFALO54-BUFALO61_115_38	38	115	227	249	268	326155	50
BUFALO54-BUFALO61_115_39	39	115	211	217	255	326156	49
BUFALO61-URBAN154_115_38	38	115	211	217	255	326153	45
BUFALO61-URBAN154_115_39	39	115	211	217	255	326154	44
BULYMO_-BOONVILLE_115_6	6	115	140	144	145	325265	32
BURDECK_-ALTAMONT_115_17-BA	17-BA	115	141	144	165	26151	44
BURDECK_-VORHVSLE_115_19	19	115	128	135	152	26152	51
BURNS___138_69__BK 519	BK 519	138	208	258	284	25889	47
BURNS___-CORPDRIV_138_702	702	138	226	248	258	325812	67
BURNS___-N.HEMPST_138_531	531	138	282	309	321	25878	13
BURNS___-WHAVSTOR_138_541	541	138	282	309	321	25879	55
BUTLER_-MOHICAN___115_18	18	115	141	144	165	26434	18
C._ISLIP_138_69__BK 3	BK 3	138	259	304	319	26519	94
C._ISLIP-RONKOKMA_138_883	883	138	478	621	691	26497	23
C BATNKILL-MULTP-10_115_10	10	115	222	234	268	26121	21
CANAL___-RIVRHEAD_138_910	910	138	258	304	338	325242	85
CANANDGA-STONYRDG_230_68	68	230	600	625	653	25176	240
CARD___-MILSTONE_345_383	383	345	1864	2187	2390	25332	89
CARMEL_-CROTONFL_115_991	991	115	261	287	311	26155	82
CARMEL_-WOODSTNY_115_992	992	115	261	287	311	325278	116
CARR_ST_-BM_CC_GM_115_6	6	115	227	249	268	325216	79
CARR_ST_-DEWITT___115_15-CD	15-CD	115	227	249	268	26093	2
CARRSCRN-SALAMANC_115_153	153	115	156	170	181	326163	35
CARRSCRN-SALAMANC_115_154	154	115	156	170	181	326165	38
CASTLEGD-FULLRHLW_115_937	937	115	149	149	149	325222	8
CATON___-HILLSIDE_115_960	960	115	119	120	120	325290	14
CAVANARD-PORTER___115_7	7	115	141	144	159	325214	38
CEDAR___-WHITEHAL_115_6	6	115	141	144	165	26516	3
CHADWICK-E.WALDEN_115_DW-3	DW-3	115	225	251	282	26218	56
CHADWICK-WBALMVLE_115_DW-2	DW-2	115	219	232	255	26217	17
CHASLAKE-PORTER___230_11	11	230	511	564	586	25051	103
CHAT_TAP-LYON_MTN_115_1(911)	911	115	173	191	205	325704	35
CHATEAUG-CHAT_TAP_115_911	911	115	173	191	205	325705	17
CHATGUAY-MASSENA_765_7040	7040	765	3975	3975	5300	25301	239
CHEMUNG_-NWAVERLY_115_962	962	115	143	157	167	325289	72

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
CHESTROR-SUGRLOAF_138_271	271	138	282	309	321	325424	94
CHRCHTWN-BLUESTOR_115_13	13	115	179	179	179	26685	46
CHRCHTWN-CRARYVIL_115_984	984	115	138	167	179	26500	14
CHRCHTWN-SCHODACK_115_14-984	14/984	115	168	199	199	26126	60
CHURCH_S-ROTTDAM_115_10	10	115	141	144	165	26428	26
CLAY____345_115_BK 1	BK 1	345	560	718	796	25387	235
CLAY____345_115_BK 2	BK 2	345	590	764	796	25421	238
CLAY____-DEWITT____115_3-CD	3-CD	115	141	144	165	25519	71
CLAY____-DEWITT____115_5-CD	5-CD	115	245	260	282	25522	51
CLAY____-DEWITT____345_13	13	345	1431	1605	1721	25168	538
CLAY____-EDIC_PTR_345_1-16	1-16	345	1591	1745	1904	25200	554
CLAY____-EDIC_PTR_345_2-15	2-15	345	1591	1745	1904	25169	556
CLAY____-HOPKINS____115_11	11	115	268	292	317	25516	120
CLAY____-INDPDNCE_345_26	26	345	1918	2115	2390	25858	758
CLAY____-SOLVAY____115_14	14	115	268	293	317	25517	59
CLAY____-TEALLAVE_115_10	10	115	141	144	165	25520	76
CLAY____-WOODARD____115_17	17	115	266	266	269	25515	63
CLIMAX____-TAYLORVL_115_8	8	115	128	135	152	26431	29
CLINTON____-IMC_TAP____115_15	15	115	141	144	165	26128	10
CLRKSCRN_345_115_BK1	BK1	345	280	313	336	325724	36
CLRKSCRN_345_115_BK2	BK2	345	280	313	336	325725	35
CLRKSCRN-OAKDALE____345_36	36	345	1279	1410	1781	325726	599
CLYDE____115_34_TR1	TR1	115	152	166	175	25221	19
CLYDE____-STATE_ST_115_3-971	3-971	115	146	159	159	68810	27
COBBLENM-COBBLENY_115_BK 1	BK 1	115	45	47	53	25426	14
COBBLENM-SPRINGVL_115_151	151	115	156	171	182	326166	24
COBBLENM-SPRINGVL_115_152	152	115	156	171	182	326170	19
CODNIGTN-E.ITHACA_115_981-1	981-1	115	133	149	162	25730	18
CODNIGTN-ETNA____115_998	998	115	266	293	299	25734	53
COFFEEN____-EWATRTWN_115_5	5	115	119	119	119	325769	25
COFFEEN____-GLENPARK_115_3-CG	3-CG	115	119	119	119	26069	48
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	7
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	0
COLTON____-FLATROCK_115_2-CF	2-CF	115	139	146	159	26088	7
COLTON____-HIGLEY____115_1-HC	1-HC	115	130	144	159	26087	9
COLTON____-TOWNLIN_115_9	9	115	119	119	119	325641	47
COMSTKNM-MOHICAN____115_13	13	115	141	144	159	26484	14
CONGERS____-SNKEHLRD_138_563	562	138	378	414	431	25887	87
COOPERNY-ROCKHILL_115_957	957	115	120	120	120	325614	24
COOPERS____345_115_BK 2	BK 2	345	256	295	300	25433	49
COOPERS____345_115_BK 3	BK 3	345	256	295	300	25434	49
COOPERS____-FERNDALE_115_950	950	115	179	179	179	26171	37
COOPERS____-MIDDLETP_345_CMT-34	CMT-34	345	1786	1793	1793	25110	548
COOPERS____-ROCKTVRN_345_CRT-42	CRT-42	345	1793	1793	1793	25111	468
CORONA____138A_138B_BK R1	B_BK R1	138	214	285	354	25621	50
CORONA____138A_138C_BK R2	C_BK R2	138	214	285	354	25622	50
CORONA____-JAMAICA_138_18001	18001	138	311	372	421	25285	50
CORONA____-JAMAICA_138_18002	18002	138	273	334	382	25286	50

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	53
CORTLAND-FENERWND_115_3	3	115	152	166	175	325248	7
CORTLAND-TILDEN_115_18	18	115	224	239	239	26089	42
CORTLAND-TULLERHL_115_1-716	1-716	115	156	170	181	25059	26
CURRY_RD-WOLF_RD_115_8	8	115	141	144	165	26254	17
CURTPALM-EJWEST_115_9	9	115	156	170	181	326146	11
DALYROAD-GARDNVLB_115_39	39	115	168	212	239	26036	38
DANSKAMR-CHADWICK_115_DW	DW	115	255	282	315	26219	39
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	0
DANSKAMR-NCHELSEA_115_AC	AC	115	216	231	334	25829	0
DANSKAMR-NCHELSEA_115_DC	DC	115	200	217	334	25830	0
DANSKAMR-RYNDH HL_115_DR	DR	115	237	282	315	25831	0
DAVIS_RD-STOLLERD_115_927	927	115	238	239	239	26172	9
DEERFLD_-SCOBIE_345_373	373	345	1677	1677	1677	26383	418
DELEMTER-LAKEVIEU_115_141	141	115	107	117	123	325873	36
DELEMTER-LAKEVIEU_115_142	142	115	107	117	123	325880	48
DELHI_-DELHI_TP_115_951-1	951-1	115	164	164	164	26174	73
DELHI_-GR.GORGE_115_916	916	115	90	90	90	26479	19
DELHI_-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	41
DELHI_TP-COLLIERS_115_951-2	951-2	115	239	239	239	26203	39
DENNISON-NORFOLK_115_4	4	115	222	234	278	25225	13
DENNISON-ROSEMNTA_115_1/11	42015	115	215	235	253	25523	0
DENNISON-ROSEMNTB_115_2/22	42057	115	215	235	253	25524	0
DENNISON-SANDSTON_115_5	5	115	222	234	278	25226	12
DEPEW_TP-DEPEW_115_BK 1	BK 1	115	120	120	120	25428	8
DEPEW_TP-ERIE_ST_115_921	921	115	120	120	120	26010	14
DEWITT_345_115_BK 2	BK 2	345	619	758	796	25418	205
DEWITT_-TEALLAVE_115_4	4	115	141	144	165	26094	45
DULEY_-PATNODE_230_PND-1	PND-1	230	478	478	569	325856	109
DULEY_-PLATSBRG_230_DP-1	DP-1	230	288	320	356	25272	138
DUNKIRK_230_115_BK 31	BK 31	230	173	234	250	25386	62
DUNKIRK_230_115_BK 41	BK 41	230	166	226	250	25430	62
DUNKIRK_-BENETTNM_115_142	142	115	199	199	199	26018	23
DUNKIRK_-BERRY_RD_115_160-1	160-1	115	239	239	239	26025	53
DUNKIRK_-BRIGHAM_115_161-1	161-1	115	211	217	239	26021	53
DUNKIRK_-LUDLUM A_115_162	162	115	211	217	239	26027	46
DUNKIRK_-SILVRCRK_115_141	141	115	107	117	123	26026	21
DUNWODIE_138_138_BK N1	BK N1	138	376	428	500	25624	77
DUNWODIE_138_138_BK N2	BK N2	138	223	312	400	25623	115
DUNWODIE_138_138_BK S1	BK S1	138	443	585	600	25626	205
DUNWODIE_345_138_BK N1_W74	BKN1W74	345	490	575	667	25209	251
DUNWODIE_345_138_BK S1_W73	BKS1W73	345	386	454	511	25208	222
DUNWODIE-DUNWODIE_138_99997 TIE	99997	138	245	293	342	25532	7
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	205
DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	198
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	181
DUNWODIE-SHERMCRK_138_99031	99031	138	154	196	308	25193	77
DUNWODIE-SHERMCRK_138_99032	99032	138	219	307	421	25239	115

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
DUNWODIE-SHORE_RD_345_Y50	Y50	345	741	977	1667	25091	575
E.ITHACA-ETNA_115_981-2	981-2	115	100	115	143	25733	66
E.SAYRE_-NWAVERLY_115_956	956	115	102	139	139	25013	49
E.TWANDA-HILLSIDE_230_70	70	230	512	564	598	25014	161
E.WALDEN_115_69_TR_3	TR_3	115	67	81	91	26681	14
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	19
E.WALDEN-MODENA_115_EM	EM	115	285	310	349	25832	7
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	6
E13THSTA_138_69_BK_111	BK_111	138	91	121	142	25526	10
E13THSTA_138_69_BK_112	BK_112	138	91	121	142	25527	10
E13THSTA_138_69_BK_113	BK_113	138	91	121	142	25528	10
E13THSTA_138_69_BK_114	BK_114	138	91	121	142	25529	10
E13THSTA_345_138_BK_10	BK_10	138	294	326	367	25467	104
E13THSTA_345_138_BK_11	BK_11	138	284	297	315	25468	93
E13THSTA_345_138_BK_12	BK_12	138	284	297	315	25463	96
E13THSTA_345_138_BK_13	BK_13	138	307	373	447	25464	61
E13THSTA_345_138_BK_14	BK_14	138	295	326	369	25465	87
E13THSTA_345_138_BK_15	BK_15	138	323	369	410	25466	99
E13THSTA_345_138_BK_16	BK_16	138	318	372	495	25469	95
E13THSTA-FARRAGUT_345_45	45	345	773	944	1347	25190	90
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	104
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	60
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	164
E179THST-HELLGT_E_138_15053	15053	138	187	244	374	25289	143
E179THST-HELLGT_E_138_15054	15054	138	187	244	374	25290	143
E179THST-HELLTP_W_138_15055	15055	138	242	321	400	25288	225
E179THST-PARKCHTR_138_38X01	38X01	138	191	305	512	25327	52
E179THST-PARKCHTR_138_38X02	38X02	138	191	305	512	25328	52
E179THST-PARKCHTR_138_38X03	38X03	138	191	305	512	25329	37
E179THST-PARKCHTR_138_38X04	38X04	138	191	305	512	25330	37
EASTOVER_230_115_TR_1	TR_1	230	466	579	597	326097	77
EASTVIEW_345_138_BK_1N	BK_1N	138	438	493	493	25472	111
EASTVIEW_345_138_BK_1S	BK_1S	138	438	493	493	25373	114
EASTVIEW_345_138_BK_2N	BK_2N	138	438	493	493	25471	113
EASTVIEW_345_138_BK_2S	BK_2S	138	438	493	493	25470	111
EASTVIEW-SPRNBK_345_W64	W64	345	2430	2823	3357	25143	614
EASTVIEW-SPRNBK_345_W65	W65	345	1976	2387	2897	25144	601
EASTVIEW-SPRNBK_345_W78	W78	345	2430	2823	3357	25346	565
EASTVIEW-SPRNBK_345_W79	W79	345	1976	2387	2897	25153	563
EBATAVIA-GOLAH_115_119	119	115	168	185	196	26012	24
EDIC_-FRASER_345_EF24-40	EF24-40	345	1793	1793	1793	25112	548
EDIC_-N.SCTLND_345_14	14	345	1624	1783	1912	25170	542
EDIC_PTR_230_115_BK_1P	BK_1P	230	320	365	398	25389	22
EDIC_PTR_230_115_BK_2P	BK_2P	230	320	365	398	25423	22
EDIC_PTR_345_115_BK_3E	BK_3E	345	524	602	760	25424	180
EDIC_PTR_345_115_BK_4E	BK_4E	345	603	721	796	25454	180
EDIC_PTR_345_230_BK_2E	BK_2E	230	551	626	758	25422	241
EDIC_PTR-ROTTDAM_230_30-PR	30-PR	230	511	564	634	25173	193

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
EDIC_PTR-ROTTTRDAM_230_31-PR	31-PR	230	511	564	634	25194	193
EDIC_PTR-VALLEY___115_4-PV	4-PV	115	141	144	165	25231	66
EDIC_PTR-WATKINRD_115_5-PW	5-PW	115	141	144	165	25232	81
EDWARDAV-RIVRHEAD_138_893	893	138	308	345	375	325654	68
EELPOTRD-MEYER___115_968	968	115	133	149	162	325288	44
EFISHKCH_345_115_BK_1	BK_1	345	505	531	531	25724	17
EFISHKCH_345_115_BK_2	BK_2	345	558	560	560	325845	0
EFISHKIL_345_115_BK_1	BK_1	345	505	531	531	25724	17
EFISHKIL-WOOD_ST___345_F38	F38	345	2409	2679	3406	25367	694
EFISHKIL-WOOD_ST___345_F39	F39	345	2409	2679	3406	25368	771
EGRDNCTY_138_69___BK_1	BK_1	138	258	304	338	26652	81
EGRDNCTY_345_138_BK_1	BK_1	345	444	556	641	25551	320
EGRDNCTY_345_138_BK_2	BK_2	345	444	556	641	25552	320
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	444	812	855	25678	320
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	444	812	855	25679	320
EGRDNCTY-CARLPLCE_138_361	361	138	314	345	375	25533	28
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	693	940	1360	325158	641
EGRDNCTY-NEWBRDGE_138_462	462	138	188	267	470	25303	78
EGRDNCTY-NEWBRDGE_138_463	463	138	244	325	434	25304	78
EGRDNCTY-NEWBRDGE_138_465	465	138	262	344	442	25535	84
EGRDNCTY-ROSLYN___138_362	362	138	314	345	375	25534	4
EJWEST___-SCOFDRD_115_9	9	115	245	260	282	326147	37
EKINGSTN-RHINEBCK_115_ER	ER	115	219	232	255	26222	30
ELBRIDGE_345_115_BK_1	BK_1	345	542	621	796	25448	164
ELBRIDGE-GRS_LOCK_115_19-EG	19-EG	115	141	144	165	26097	12
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	18
ELBRIDGE-HYATT___115_15-979	15-979	115	156	171	182	25109	29
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1562	1912	25149	348
ELBRIDGE-MILTON_C_115_18	18	115	156	159	159	26095	24
ELBRIDGE-STATE_ST_115_5-972	5-972	115	146	167	178	25107	50
ELM_ST___-SENECA___230_71	71	230	223	254	262	26426	9
ELM_ST___-SENECA___230_72	72	230	223	254	262	26427	9
ELWOOD___138_69___BK_3	BK3	138	129	156	208	26540	50
ENDICOTT-RANGEHL_115_920	920	115	149	149	149	26158	17
ENDICOTT-ROBBLEAV_115_948	948	115	254	254	254	26159	36
ENORWICH-CTYLINE_115_918	918	115	120	120	120	325280	41
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729	21
ERIE E___-S.RIPLEY_230_69	69	230	553	637	637	25016	158
ERIE_ST___-PAVNMTRD_115_926	926	115	252	269	269	26175	19
ETNA___-CLRKSCRN_115_715	715	115	304	313	345	325728	22
ETNA___-CLRKSCRN_115_947	947	115	292	313	345	325727	22
ETNA___-WILLET___115_945-2	945-2	115	149	169	175	25731	93
FAIRFIEL-INGHAM_C_115_3	3	115	141	144	159	26106	62
FAIRPORT-ELBRIDGE_115_2	2	115	176	181	199	26099	7
FAIRPORT-HOOK_TAP_115_1	1	115	176	181	183	26327	24
FALCONER-SOUTHADOW_115_153	153	115	156	171	182	26033	28
FALCONER-SOUTHADOW_115_154	154	115	156	171	182	26032	20
FARMGTN_115_12_BK_3	BK_3	115	15	25	35	325380	9

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
FARMGTN_115_34_BK 1	BK 1	115	64	74	110	70259	26
FARMGTN_115_34_BK 2	BK 2	115	72	82	107	70258	16
FARMGTN_-BORDRCTY_115_977	977	115	187	206	219	25057	115
FARMGTN_-HAMLTNNM_115_7-HF	7-HF	115	176	181	209	26101	0
FARRAGUT_345A_138C_BK 9X	BK 9X	345	130	174	216	25636	12
FARRAGUT_345A_138D_BK 10X	BK 10X	345	130	174	216	25637	13
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	333
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	0
FARRAGUT-GOWANUS_345_41	41	345	653	856	1316	25141	85
FARRAGUT-GOWANUS_345_42	42	345	653	856	1316	25140	85
FARRAGUT-HUDS_AVE_138_32077	32077	138	130	174	216	25291	13
FARRAGUT-HUDS_AVE_138_32078	32078	138	136	181	216	25292	12
FARRAGUT-HUDS_AVE_138_32711	32711	138	148	148	148	25293	12
FENERWND-ONEIDA_115_8	8	115	159	159	159	25894	9
FERNDAL- WWDDBURNY_115_959	959	115	90	90	90	26180	11
FEURABSH-GREENBSH_115_17	17	115	311	341	375	25862	36
FEURABSH-NCATSKLL_115_2	2	115	141	144	165	25067	0
FISHKPLN-EFISHKIL_115_HF	HF	115	243	267	293	26227	18
FISHKPLN-SYLVANLK_115_FP/990	FP	115	238	239	239	25066	127
FITZPTRK-EDIC_345_FE-1	FE-1	345	1434	1434	1661	25077	731
FIVEMILE_345_115_TR1	TR1	345	597	597	597	326175	102
FIVEMILE-VALLEY44_115_152	152	115	141	144	159	326174	7
FIVEMILE-VALLEY44_115_167	167	115	141	144	159	326173	1
FLATROCK-BROWNFLS_115_2-FBF	2-FBF	115	130	144	159	26079	8
FLATSTR_-EELPOTRD_115_968	968	115	133	149	162	325287	31
FORGEBRK-MERTPARK_115_WF	WF	115	243	260	282	26229	80
FORTDRUM-DEFERIET_115_2-FD	2-FD	115	141	144	165	26091	6
FORTDRUM-TAYLORVL_115_2	2	115	128	135	152	26090	1
FOXHILLS-WILLWRK_138_29211-1	29211-1	138	207	275	450	25771	123
FOXHILLS-WILLWRK_138_29212-1	29212-1	138	207	275	450	25772	126
FRASER_345_115_BK 2	BK 2	345	356	420	420	25391	113
FRASER_-COOPERS_345_33	33	345	1482	1631	1793	25236	591
FRASER_-GILBOA_345_GF5-35	GF5-35	345	1747	1793	1793	25060	85
FRASERNY-DELHI_TP_115_951-3	951-3	115	239	239	239	26202	113
FREEPORT-NEWBRDGE_138_461	461	138	226	291	475	25155	176
FRESHKLS_138C_138A_R1_21191	21191	138	327	435	539	25639	174
FRESHKLS_138C_138B_R2_21192	21192	138	329	410	486	25640	174
FRESHKLS_345_138_TA 1	TA 1	138	327	435	540	25457	175
FRESHKLS_345_138_TB 1	TB 1	138	329	410	478	25458	175
FRONT_ST-ROSA_RD_115_11	11	115	239	239	239	26274	76
FROST_BR-LONG_MTN_345_352	352	345	1351	1554	1841	25363	204
FROST_BR-SOUTHNGT_345_329	329	345	1350	1554	1793	25364	385
FTZPK_NM-LIGHTHSE_115_3	3	115	119	119	159	25502	24
FULLRHWL-MORGANRD_115_937	937	115	149	149	149	325223	2
GARDNVLA_230_1_BK6P	BK6P	230	366	420	420	25405	97
GARDNVLA_230_1_BK7P	BK7P	230	245	296	300	25435	79
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	31
GARDNVLA-LANGNERD_115_903	903	115	179	197	213	325284	59

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
GARDNVLA-STOLLERD_230_66	66	230	478	478	478	25180	7
GARDNVLB_230_115_BK 2	BK 2	230	317	334	396	25385	76
GARDNVLB_230_115_BK 3	BK 3	230	168	210	250	25416	50
GARDNVLB_230_115_BK 4	BK 4	230	169	211	250	25417	50
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	15
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	5
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	55
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	55
GARDNVLB-COBLENM_115_151	151	115	199	199	199	26040	25
GARDNVLB-COBLENM_115_152-1	152-1	115	199	199	199	26023	34
GARDNVLB-DUNKIRK_230_73	73	230	637	637	637	25166	141
GARDNVLB-DUNKIRK_230_74	74	230	633	633	633	25197	142
GARDNVLB-GARDNVLA_115_T1012	T1012	115	376	403	420	25085	46
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	773	773	773	25089	169
GARDNVLB-WALDEN_115_54-921	54-921	115	168	212	239	26035	13
GE R D_-GROOMS_115_20_15	20_15	115	245	257	294	26266	29
GILBOA_-LEEDS_345_GL3	GL3	345	1762	1896	2151	25219	509
GILBOA_-N.SCTLND_345_GNS-1	GNS-1	345	1747	1896	2106	25052	92
GINNA_-PANNELRG_115_912	912	115	265	295	335	25260	51
GINNA_-S124_115_913	913	115	321	359	436	26281	149
GINNA_-STA_135_115_909	909	115	282	298	313	325837	68
GINNA_-STA_135_115_937	937	115	282	298	313	325838	68
GINNA_-STA_204_115_908	908	115	322	360	415	26282	86
GINNA_-STA_204_115_911	911	115	320	358	414	26283	161
GIRDLERD-STOLLERD_115_706	706	115	228	229	239	325161	8
GLENWD_138_69_BK 5	BK 5	138	128	156	203	25735	69
GLENWD_138_69_BK 6	BK 6	138	128	156	208	70637	68
GLENWD_-CARLPLCE_138_363	363	138	370	393	434	25554	18
GLENWD_-GLENWDGT_138_366	366	138	370	392	434	25555	25
GLENWDGT-ROSLYN_138_364	364	138	370	393	434	25556	25
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	332
GOETHALS-LINDN_CG_345_G23L	G23L	345	643	643	643	26000	345
GOETHALS-LINDN_CG_345_G23M	G23M	345	643	643	643	325203	345
GOETHLSS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	175
GOETHSLN_345/230_BK 1	BK 1	345	630	789	886	25642	335
GOETHSLN-FRESHKLS_345_22	22	345	1285	1618	1817	25137	175
GOLAH_-MORTIMER_115_110	110	115	158	159	159	26034	46
GOUDEY_-ROBBLEAV_115_940	940	115	292	320	351	325166	26
GOUVNEUR-BATTHILL_115_8-GBH	8-GBH	115	93	101	106	26066	14
GOWANUS_138A_138B_PAR R14	PAR R14	138	309	407	421	25794	249
GOWANUS_138A_138B_PAR R2	PAR R2	138	305	362	421	25793	249
GOWANUS_345_138_BK T14	BK T14	138	309	407	421	25475	251
GOWANUS_345_138_BK T2	BK T2	138	305	362	421	25476	250
GOWANUS_-GOETHLSS_345_26	26	345	561	748	1241	25571	336
GOWANUS_-GOETHSLN_345_25	25	345	561	748	1241	25139	336
GOWANUS_-GREENWD_138_42231	42231	138	273	362	421	25214	249
GOWANUS_-GREENWD_138_42232	42232	138	273	338	407	25215	249
GOWANUSA-GREENWD_138_42G24	42G24	138	270	307	322	26007	0

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
GOWANUSC-GREENWD_138_42G13	42G13	138	259	307	322	26006	0
GOWANUSN_345KV_REA_R41_REACTR	R41_REA	345	687	896	1315	26001	85
GOWANUSS_345KV_REA_R42_REACTR	R42_REA	345	687	896	1315	26003	85
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	149	172	215	26478	0
GREENBSH-FT._ORAN_115_15	15	115	159	159	159	26130	29
GREENBSH-RVSD_TAP_115_4	4	115	224	239	239	325649	0
GREENBSH-STEPHTWN_115_993	993	115	141	144	159	26447	13
GREENDGE-FLATSTR_115_968	968	115	133	149	162	26185	14
GREENDGE-MONTRFL_115_967	967	115	133	149	162	26184	27
GREENDGE-MONTRFL_115_970	970	115	146	160	178	26183	34
GREENLWN_138_69_BK5	BK5	138	129	156	203	26655	36
GREENLWN-ELWOOD_138_673	673	138	487	572	657	25546	15
GREENLWN-SYOSSET_138_676	676	138	318	399	561	25548	59
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	0
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	0
GRND_ISL-AMERISTD_115_182-2	182-2	115	211	217	242	26014	62
GROOMS_-JOHNSON_115_13-14	13-14	115	268	293	317	26267	41
GRS_LOCK-S.OSWEGO_115_9	9	115	171	171	171	25510	48
GRS_LOCK-TILDEN_115_16	16	115	141	144	165	26102	55
GUARDIAN-HALEYRD_115_969	969	115	179	179	179	26167	102
HALEYRD_-GREENDGE_115_969	969	115	179	179	179	325294	80
HAMLTNNM-ELBRIDGE_115_7-HE	7-HE	115	189	199	199	26096	10
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	34	42	56	25394	10
HANCOCK_-HAZEL_115_955-1	955-1	115	119	120	120	26187	0
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162	31
HAUPPAUG-C._ISLIP_138_889	889	138	237	321	473	25681	94
HAZEL_-FERNDALE_115_955-2	955-2	115	119	120	120	26181	10
HDSNBRDG-DEWITT_115_10	10	115	225	251	291	325260	70
HDSNBRDG-DEWITT_115_7	7	115	340	374	414	325261	46
HELLGATE-ASTORIAW_138_24053	24053	138	171	207	207	25212	94
HELLGATE-ASTORIAW_138_24054	24054	138	171	207	207	25213	93
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	143
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	143
HELLGT_W-ASTORIAW_138_24051	24051	138	188	264	447	25210	22
HELLGT_W-ASTORIAW_138_24052	24052	138	188	264	447	25211	14
HICKLING-CATON_115_958	958	115	119	120	120	26189	2
HICKLING-RIDGE_RD_115_964	964	115	127	147	167	26188	5
HILLBURN_138_69_BK 317	BK 317	138	187	230	265	26330	65
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	65
HILLSIDE_115_1_BK3S	BK3S	230	299	336	336	325761	64
HILLSIDE_115_1_BK4S	BK4S	230	467	561	699	325762	34
HILLSIDE_230_1_BK3P	BK3P	230	299	336	336	325759	64
HILLSIDE_230_1_BK4P	BK4P	230	467	561	699	325760	51
HILLSIDE-CHEMUNG_115_962	962	115	170	179	179	25726	76
HILLSIDE-WATRCURE_230_69	69	230	657	657	657	25181	136
HINMAN_-HARSNRAD_115_908	908	115	297	306	306	26161	177
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	238
HOLBROOK-NSHORBCH_138_884	884	138	400	440	487	25341	8

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
HOLBROOK-SILLSRD_138_872	872	138	555	590	678	25340	3
HOLBROOK-WEST BUS_138_888	888	138	572	628	698	25542	228
HOLTSVLE-UNIONAVE_138_818	818	138	172	224	390	25584	120
HOLTSVLE-WEST BUS_138_876	876	138	343	377	419	325974	0
HOLTSVLE-WEST BUS_138_877	877	138	572	628	698	325909	0
HOMER C_-FIVEMILE_345_37	37	345	754	840	840	25036	131
HOMER_HL-FIVEMILE_115_169	169	115	141	144	159	26452	48
HOMER_HL-FIVEMILE_115_170	170	115	141	144	159	26022	48
HOMER_HL-NILE____115_157	157	115	107	117	123	26041	33
HOMRC_NY-MAINS_NY_345_47	47	345	927	927	927	326121	374
HOOK_TAP-FARMGTN_115_7-HF	7-HF	115	176	181	199	26100	16
HOPATCON-RAMAPO____500_5018	5018	500	1156	1450	1915	25019	189
HOPKINS_-TEALLAVE_115_11	11	115	239	239	239	26105	79
HUDS_AVE-JAMAICA_138_701	701	138	172	234	371	25294	19
HUDS_AVE-JAMAICA_138_702	702	138	172	234	371	25295	19
HUDSON_-PLSTVYCH_115_12-HP	12-HP	115	159	159	159	25499	38
HUDSON_-VALKIN____115_15	15	115	145	159	159	26514	66
HUDSONP_-FARRAGUT_345_B3402	B3402	345	547	732	927	25020	333
HUDSONP_-FARRAGUT_345_C3403	C3403	345	565	763	827	25038	333
HUNTLEY_-BUFAL129_115_38	38	115	176	181	199	26047	70
HUNTLEY_-BUFAL129_115_39	39	115	176	181	209	26044	68
HUNTLEY_-ELM_ST____230_70	70	230	432	477	491	25855	47
HUNTLEY_-SAWYER____230_79	79	230	691	760	848	25127	344
HUNTLEY_-SAWYER____230_80	80	230	691	760	848	25128	387
HUNTLEY_-ST_60_36_115_36-1	36-1	115	199	199	199	26046	18
HUNTLEY_-ST_60_37_115_37-1	37-1	115	190	190	190	26045	18
HURLYAVE_345/115_BK_1	BK_1	345	486	560	560	25419	149
HURLYAVE-LINCNPBK_115_HP	HP	115	243	267	293	25833	67
HURLYAVE-OHIOVLE_115_OR	OR	115	169	213	239	25834	27
HURLYAVE-ROSETON_345_303	303	345	1713	1885	1912	25218	410
HYATT____-BORDRCTY_115_15-979	15-979	115	156	171	179	25106	14
IMC_TAP_-MECO____115_15-IM	15-IM	115	152	166	175	26132	22
INDCORTH-SPIERFLS_115_18	18	115	340	374	414	26149	101
INDK-OSW-LIGHTHSE_115_2-ILH	2-ILH	115	139	144	159	25503	10
INDN_PT3-BUCHAN_S_345_W96	W96	345	1793	1793	2266	25570	1045
INDPDNCE-SCRIBA____345_25	25	345	1918	2115	2390	25859	336
INGHAM_C_115_115_PAR_2	PAR_2	115	197	234	239	25242	120
INGHAM_C-INGHAM_E_115_R81	R81	115	222	234	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7-942	115	114	131	152	25061	25
INGHAM_E-IMC_TAP_115_15-II	15-II	115	128	135	152	25871	33
INGHAM_E-STJHNVLE_115_6-IS	6-IS	115	104	107	122	26133	31
INGHAM_E-STONER____115_9-IS	9-IS	115	128	135	152	25863	37
JAMAICA_-LAKSUCSS_138_903	903	138	268	350	428	25090	208
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	307	391	441	25048	107
JENNISON-HANCOCK_115_954	954	115	119	120	120	26186	24
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	62
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	1
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	70

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
KATONAH_-AMAWALK_115_995	995	115	261	287	311	325279	55
KATONAH_-CROTONFL_115_991	991	115	261	287	311	26157	0
KENTAVE_-GREENWD_138_31232-2	31231-2	138	195	249	310	25299	37
KENTS_FL-SCOTAFALT_115_913	913	115	120	120	120	26207	16
KINTIGH_-ROCHESTR_345_SR-1	SR-1	345	1591	1745	1793	25073	610
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	238	262	291	26240	35
KNAPPCRN-SPACKILL_115_SK	SK	115	238	262	291	325777	15
LADENTWN-BOWLINE_345_68	68	345	777	837	837	25249	130
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	66
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1976	2387	2895	25248	162
LAFAYTTE-CLRKSCRN_345_4-46	4-46	345	1279	1410	1781	25049	672
LAFAYTTE-DEWITT_345_22	22	345	1643	1643	1643	25174	332
LAKEVIEU-CLVRBANK_115_142	142	115	107	117	123	325881	48
LAKSUCSS_138A_138B_PAR	B_PAR	138	348	428	428	25593	209
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	44
LAUREL L-GOUDEY_115_952	952	115	128	149	162	25012	62
LAURLEGY-SCOV RCK_345_384	384	345	896	1255	1434	26389	228
LEEDS_-ATHENS_345_95	95	345	1624	1783	1946	25789	284
LEEDS_-HURLYAVE_345_301	301	345	1713	1885	1912	25055	558
LEEDS_-PLSNTVLY_345_92	92	345	1624	1783	1912	25056	823
LIGHTHSE-CLAY_115_7	7	115	141	144	165	25521	36
LIGHTHSE-EWATRTWN_115_5	5	115	119	119	119	25504	32
LINCNPRK-EKINGSTN_115_LR	LR	115	243	260	282	26223	39
LINDEN_-GOETHALS_230_A2253	A2253	230	688	785	908	25017	335
LOCKPORT-HINMAN_115_100	100	115	268	293	317	25087	157
LOCKPORT-N.AKRON_115_108	108	115	158	162	187	25266	56
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	61
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	72
LOCKPORT-SWEDEN_115_111	111	115	199	199	199	25262	68
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	80
LOCKPORT-TELGRAPH_115_114-1	114-1	115	174	191	199	25264	79
LOCUSTGR-NEWBRDGE_138_558	558	138	446	572	657	25158	266
LONG_MTN-PLSNTVLY_345_398	398	345	1283	1476	1590	25033	95
LONG_MTN-PLUM TRE_345_321	321	345	1601	1757	1984	25720	109
LONGLANE-LAFARGE_115_6	6	115	141	144	159	25864	42
LOVETT_138_69_BK_147	BK_147	138	94	130	149	26331	24
LOVETT_-BOWLINOR_138_56	56	138	279	305	317	25877	18
LOVETT_-STONYPNT_138_54	54	138	282	309	321	25885	2
LOWVILLE-BOONVLE_115_5	5	115	128	135	152	26075	22
LUDLOW_-CARP HL_345_301	301	345	1569	1757	1886	25722	134
LUDLOW_-NORTHFLD_345_354	354	345	1601	1757	1984	25713	16
LUDLUM_A-FALCONER_115_162	162	115	107	117	123	26031	35
LUDLUM_B-FALCONER_115_161	161	115	107	117	123	26030	44
LUTHERFT-MALTA_115_1	1	115	213	292	324	325889	57
LUTHERFT-MALTA_115_302	302	115	213	292	318	325890	21
LUTHERFT-MULBRYNM_115_3	3	115	227	248	268	26477	5
LUTHERFT-MULBRYNM_115_308	308	115	242	266	292	325742	54
LYON_MTN-KNTFSRNC_115_911	911	115	149	171	184	26205	33

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MACHIAS_-VALLEY44_115_152	152	115	156	171	182	326172	1
MACHIAS_-VALLEY44_115_167	167	115	145	160	178	326169	1
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	228
MALONE_-NICHVLVLE_115_3-NM	3-NM	115	168	197	199	25585	28
MALONE_-WILLIS_115_1-MW	1-MW	115	168	191	199	25586	60
MALTA_-TAPBLSTN_115_1	1	115	268	293	317	325891	57
MALTA_-TAPBLSTN_115_302	302	115	268	293	317	325892	13
MANCHSTR-SPACKILL_115_MC	MC	115	238	262	291	325776	5
MAPLE140-BUFALO54_115_38	38	115	211	217	255	326157	54
MAPLE140-BUFALO54_115_39	39	115	211	217	255	326158	53
MAPLEWOD-ARSENAL_115_15	15	115	168	188	239	25844	49
MAPLEWOD-MENANDS_115_19-MM	19-MM	115	156	170	181	25870	51
MARCY___765_345_BK_1	BK_1	765	1756	1756	1756	25455	170
MARCY___765_345_BK_2	BK_2	765	1793	1793	2297	25456	148
MARCY_-COOPERS_345_UCC2-41	UC2-41	345	1345	1345	1434	25113	525
MARCY_-EDIC_345_UE1-7	UE1-7	345	1918	2115	2390	25229	129
MARCY_-N.SCTLND_345_18	18	345	1793	1793	2297	25276	601
MARSHVLE-CLINTON_115_12	12	115	152	159	159	325267	8
MASSENA_765_230_BK_1	BK_1	765	1076	1254	1404	25665	0
MASSENA_765_230_BK_2	BK_2	765	1076	1254	1404	25666	79
MASSENA_-MARCY___765_MSU1	MSU1	765	3975	3975	5300	25224	318
MCADOO_-BATTHILL_115_4	4	115	93	101	107	26064	1
MCINTYRE-COLTON_115_8	8	115	93	101	106	25514	13
MCINTYRE-MCADOO_115_6	6	115	156	158	159	26108	14
MCKNOWNV-NEWKRMKL_115_8	8	115	291	320	356	26499	110
MECO_-CHURCH_S_115_10	10	115	152	166	175	26120	3
MENANDS_-REYNOLDS_115_2-MR	2-MR	115	255	282	316	26135	93
MENANDS_-RIVERSDE_115_3-MR	3-MR	115	222	234	239	26134	72
MERTPARK-WICCOPEE_115_WP	WP	115	244	260	282	325772	59
MEYER_115_1_BK4S	BK4S	230	271	331	336	325766	73
MEYER_230_1_BK4P	BK4P	230	271	331	336	325765	85
MEYER_-CANANDGA_230_60	60	230	591	649	715	325604	204
MEYER_-MORAINES_115_966	966	115	149	172	191	26166	76
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	251
MIDDLETP_345_138_BK_114	BK114	345	506	587	671	26465	251
MIDDLETP-ROCKTVRN_345_MTR-34	MTR-34	345	1786	1793	1793	26464	294
MILAN_-PLSTVYCH_115_10	10	115	169	187	199	26433	3
MILAN_-RHINEBCK_115_MR	MR	115	219	232	239	26242	6
MILLBURY-CARP_HL_345_302	302	345	1475	1560	1919	25721	92
MILLERPL-HOLBROOK_138_885	885	138	555	590	678	26691	0
MILLIKEN-ETNA_115_974	974	115	231	260	286	26177	110
MILLIKEN-ETNA_115_975	975	115	231	260	286	26178	120
MILLWOOD_345_138_TA_1	TA_1	138	248	333	359	25530	31
MILLWOOD_345_138_TA_2	TA_2	138	234	305	321	25531	38
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	712
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	676
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	678
MILTON_C-GRS_LOCK_115_18	18	115	156	171	182	26104	20

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MNCHESTR-CARD_____345_368	368	345	1350	1554	1939	25710	500
MNCHESTR-MILSTONE_345_310	310	345	1811	2145	2372	25336	325
MNCHESTR-NO.BLOOM_345_3642	3642	345	956	956	956	26399	29
MNCHESTR-SCOV RCK_345_353	353	345	1518	1805	2217	25714	559
MNTNDALE-WWDBURNY_115_957	957	115	120	120	120	325616	15
MODENA___115_69__BK1	BK1	115	40	50	53	26325	1
MODENA__-OHIOVLE_115_PX	PX	115	285	301	349	25835	2
MOHICAN__-BATNKILL_115_15	15	115	141	144	165	26122	16
MOHICAN__-MULBRYNM_115_3	3	115	227	248	268	26687	9
MONSEY__-BURNS____138_601	601	138	456	478	500	325608	82
MONTRFL__-CODNIGTN_115_982	982	115	133	149	162	25728	25
MONTRFL__-RIDGE RD_115_963-2	963-2	115	133	145	149	26196	36
MONTRFL__-RIDGE RD_115_978-2	978-2	115	133	149	162	26197	40
MONTVILL-MILSTONE_345_371	371	345	1864	2187	2390	25334	847
MORGANRD-LANGDON_115_936	936	115	206	227	239	325224	16
MORTIMER-FAIRPORT_115_1	1	115	168	181	188	25163	72
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	62
MORTIMER-PITSFRDB_115_24-1	24-1	115	156	171	182	25096	5
MORTIMER-PITSFRDC_115_25-1	25-1	115	139	145	162	25095	18
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	43
MOSES____230_115_BK 1	BK 1	230	526	589	722	25411	10
MOSES____230_115_BK 2	BK 2	230	526	589	722	25451	10
MOSES____230_115_BK 3	BK 3	230	220	276	287	25452	4
MOSES____230_115_BK 4	BK 4	230	598	598	797	25453	10
MOSES____-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	47
MOSES____-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	47
MOSES____-ALCOA_PA_115_MAL4	MAL4	115	256	282	327	25582	109
MOSES____-ALCOA_PA_115_MAL5	MAL6	115	279	294	327	25583	98
MOSES____-ALCOA_PA_115_MAL6	MAL5	115	279	282	327	25581	105
MOSES____-MASSENA_230_MMS1	MMS1	230	1076	1254	1404	25274	0
MOSES____-MASSENA_230_MMS2	MMS2	230	1076	1254	1404	25275	79
MOSES____-MED-ENGS_115_MRG1	MRG1	115	145	145	157	26328	32
MOSES____-MED-ENGS_115_MRG2	MRG2	115	145	145	157	26335	10
MOSES____-REYNLDPA_115_MR3	MR3	115	145	145	157	26332	0
MOSES____-WILLIS____230_MW1	MW1	230	447	473	517	25188	102
MOSES____-WILLIS____230_MW2	MW2	230	447	473	517	25271	101
MOSHIER__-TAYLORVL_115_7-MT	7-MT	115	49	49	49	26109	13
MOTTHAVN-RAINEY____345_Q11	Q11	345	741	858	1309	325430	79
MOTTHAVN-RAINEY____345_Q12	Q12	345	741	858	1309	325431	74
MOUNTAIN-SWANROAD_115_103	103	115	224	250	282	26054	106
MULBRYNM-EASTOVER_115_308	308	115	227	248	268	26475	61
N._SALEM-BATNKILL_115_989	989	115	45	52	57	26448	3
N.AKRON__-BATAVIA_115_107	107	115	159	159	159	25124	26
N.AKRON__-BATAVIA_115_108	108	115	152	159	159	25125	39
N.END____115_46__BK 1	BK 1	115	70	71	75	25849	41
N.END____-ASHLEYRD_115_702	702	115	351	386	434	25846	4
N.END____-PLATSBRG_115_701	701	115	239	239	239	25848	37
N.HEMPST-WHAVSTOR_138_530	530	138	282	309	321	26506	51

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	82
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	78
N.SCTLND-ALBANY__115_8	8	115	340	373	414	25496	23
N.SCTLND-ALPS____345_2	2	345	1278	1410	1792	25217	118
N.SCTLND-ALTAMONT_115_20	20	115	141	144	165	25492	72
N.SCTLND-BETHLHEM_115_4	4	115	311	313	313	25497	36
N.SCTLND-FEURABSH_115_3	3	115	311	341	375	25495	41
N.SCTLND-LEEDS____345_93	93	345	1534	1692	1912	25171	588
N.SCTLND-LEEDS____345_94	94	345	1534	1692	1912	25203	585
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	45
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	7
N.SCTLND-ROTTRDAM_115_13-NR	13-NR	115	255	282	358	25494	51
N.SCTLND-VORHVSLE_115_19-NV	19-NV	115	128	135	152	25493	52
N.TROY__-EASTOVER_115_306	306	115	227	248	268	326095	2
N.TROY__-EASTOVER_115_307	307	115	222	234	368	326096	2
N.TROY__-HOOSICK_115_5	5	115	259	292	317	26131	13
N.TROY__-REYNOLDS_115_16-NR	16-NR	115	222	234	239	26139	50
N.TROY__-WYNTKLMN_115_14-NW	14-NW	115	168	212	239	26137	35
NANGOLA_-DELEMTER_115_141	141	115	107	117	123	325872	36
NANGOLA_-DELEMTER_115_142	142	115	107	117	123	325879	33
NANGOLA_-SILVRCRK_115_141	141	115	107	117	123	325871	25
NANGOLA_-SILVRCRK_115_142	142	115	107	117	123	325878	23
NBRDWYNM-ERIE_ST_115_181-922	181-922	115	146	160	178	26011	50
NCATSKLL_115_69_TR 4	TR 4	115	57	71	79	25839	30
NCATSKLL_115_69_TR 5	TR 5	115	53	65	73	25818	30
NCATSKLL-MILAN____115_T7	T7	115	169	199	199	26243	5
NCHELSEA_115/69__BK TR1	BK TR1	115	40	50	53	25836	10
NCHELSEA-FISHKPLN_115_NF	NF	115	255	290	315	26228	116
NCHELSEA-FORGEBRK_115_FO	FO	115	225	251	282	26230	109
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	660
NEWBRDGE_345_138_BK_1	BK 1	345	375	375	375	325301	331
NEWBRDGE_345_138_BK_2	BK 2	345	375	375	375	325302	331
NEWBRDGE-BAGATLRD_138_563	563	138	465	621	691	25536	54
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	660
NEWBRDGE-EGRDNCTY_138_467	467	138	282	452	474	325378	68
NEWBRDGE-RULAND____138_561	561	138	314	345	375	25305	102
NEWBRDGE-RULAND____138_562	562	138	314	345	375	25306	102
NEWBRDGE-RULAND____138_567	567	138	279	452	473	325379	96
NEWKRMKL-ALBANY____115_7	7	115	340	371	413	325257	125
NEWWALDN-GARDNVLB_115_38	38	115	168	203	237	26039	34
NIAGARA__230_115_BK T1	BK T1	230	220	276	288	25409	41
NIAGARA__230_115_BK T2	BK T2	230	286	359	452	25410	47
NIAGARA__345_230_BK 3	BK 3	345	441	552	575	25408	107
NIAGARA__345_230_BK 4	BK 4	345	717	717	956	25449	185
NIAGARA__345_230_BK 5	BK 5	345	441	552	575	25450	107
NIAGARA_-GARDNVLB_115_180	180	115	194	199	233	25104	110
NIAGARA_-KINTIGH_345_NS1-38	NS1-38	345	1591	1745	1793	25074	48
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	106

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
NIAGARA -PACKARD_115_191	191	115	319	339	383	25075	162
NIAGARA -PACKARD_115_192	192	115	319	339	383	25099	170
NIAGARA -PACKARD_115_193	193	115	349	359	411	25100	138
NIAGARA -PACKARD_115_194	194	115	349	359	398	25101	138
NIAGARA -PACKARD_115_195	195	115	359	359	475	25102	159
NIAGARA -PACKARD_230_61	61	230	717	717	949	25186	318
NIAGARA -PACKARD_230_62	62	230	717	717	949	25220	313
NIAGARA -ROBNSNRD_230_64	64	230	639	678	717	25088	264
NIAGARA -ROCHESTR_345_NR2	NR2	345	1591	1745	1904	25084	506
NIAGARA -SANBORN_115_101	101	115	285	300	318	326180	117
NIAGARA -SANBORN_115_102	102	115	319	339	382	25103	114
NIAGBLVD-NBRDWNM_115_181-2	181-2	115	211	217	255	26057	100
NICHLVLE-PARISHVL_115_3-PN	3-PN	115	156	170	181	26110	34
NILE -ANDOVER_115_157	157	115	128	135	152	26016	16
NINEMILE-CLAY_345_8	8	345	1278	1410	1624	25167	585
NINEMILE-FTZPK_NM_115_4	4	115	119	119	159	25500	24
NINEMILE-SCRIBA_345_9	9	345	1278	1410	1792	25359	47
NOGDNBRG-MCINTYRE_115_9-NOM	9-NOM	115	159	159	159	26080	19
NORFOLK -SANDSTON_115_4-NS	4-NS	115	268	293	317	26111	12
NORTHFLD-VRNON VT_345_381	381	345	1195	1195	1580	25707	55
NRTH1385-NOR HBR_138_601	601	138	147	199	409	325597	33
NRTH1385-NOR HBR_138_602	602	138	147	199	409	325598	33
NRTH1385-NOR HBR_138_603	603	138	147	199	409	325599	33
NRTH1385-NRTHPORT_138_1385	1385	138	441	598	598	25035	99
NRTHPORT_138_138_PS2	138_PS2	138	463	570	570	25599	183
NRTHPORT-ELWOOD_138_678	678	138	398	536	677	25543	30
NRTHPORT-ELWOOD_138_681	681	138	398	536	677	25544	42
NRTHPORT-PILGRIM_138_672	672	138	229	310	421	25307	102
NRTHPORT-PILGRIM_138_677	677	138	459	609	677	25308	217
NRTHPORT-PILGRIM_138_679	679	138	459	609	677	25309	217
OAKDALE_230_115_BK_1	BK_1	230	318	435	440	25400	39
OAKDALE_345_115_BK_2	BK_2	345	583	600	600	25401	208
OAKDALE_345_115_BK_3	BK_3	345	489	577	600	25399	189
OAKDALE -DELHI_115_919	919	115	171	179	179	25897	25
OAKDALE -ENDICOTT_115_938	938	115	171	188	239	26198	95
OAKDALE -FRASER_345_32	32	345	1494	1692	1793	25235	247
OAKDALE -GOUDEY_115_939	939	115	292	321	352	26182	113
OAKDALE -KATTLVLE_115_943	943	115	171	188	221	26201	82
OAKDALE -NORTHSDE_115_944	944	115	231	239	239	26199	85
OAKFIELD-BATAVIA_115_112-2	112-2	115	156	162	181	25126	44
OAKWOOD -ELWOOD_138_674	674	138	487	572	657	25545	24
OAKWOOD -SYOSSET_138_675	675	138	318	399	561	25547	59
OHIOVLE_115_69_BK_TR1	BK_TR1	115	40	50	53	25819	1
OHIOVLE-HIGHLAND_115_OR	OR	115	169	213	239	26247	5
ONEIDA -WALESVIL_115_7	7	115	141	144	159	26115	19
ONEIDA -YAHNUNDA_115_6	6	115	128	135	152	26113	36
OSWEGO_345_115_BK_7	BK_7	345	576	657	774	25372	231
OSWEGO -ELBRIDGE_345_17	17	345	1278	1410	1792	25234	513

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
OSWEGO__-S.OSWEGO_115_3-OS	3-OS	115	209	239	239	25507	97
OSWEGO__-S.OSWEGO_115_5-OS	5-OS	115	209	239	239	25508	97
OSWEGO__-S.OSWEGO_115_8-OS	8-OS	115	478	478	478	25509	35
OSWEGO__-VOLNEY___345_11	11	345	1278	1410	1792	25199	274
OSWEGO__-VOLNEY___345_12	12	345	1278	1410	1792	25201	274
OWENSCRN-SABICO___115_7	7	115	141	144	165	325736	51
OWENSCRN-SABICO___115_9	9	115	141	144	165	325737	28
PACKARD__230_115_BK_3	BK_3	230	233	250	250	25414	19
PACKARD__230_115_BK_4	BK_4	230	235	250	250	25415	46
PACKARD_-GRND_ISL_115_182	182	115	243	249	297	26056	119
PACKARD_-NIAGBLVD_115_181-1	181-1	115	194	199	233	26055	111
PACKARD_-SAWYER___230_77	77	230	680	747	795	25164	305
PACKARD_-SAWYER___230_78	78	230	680	747	836	25195	307
PACKARD_-WALCK_RD_115_129	129	115	239	301	301	25906	121
PACKARD_-ZIMMERM1_115_130-2	130-2	115	213	225	242	26059	133
PALMITER-BENNETT_115_932	932	115	95	100	111	26165	8
PANNELL__345_115_BK_1	BK_1	345	273	329	336	25396	83
PANNELL__345_115_BK_2	BK_2	345	273	328	336	25431	83
PANNELL__345_115_BK_3	BK_3	345	314	336	336	25572	67
PANNELL_-CLAY_____345_1	PC1	345	1195	1195	1195	25058	131
PANNELL_-CLAY_____345_2	PC2	345	1195	1195	1195	25050	131
PANNELRG-FARMGTN_115_4-977	4-977	115	265	293	317	25080	153
PANNELRG-PITSFRDB_115_24	24	115	139	145	162	26285	36
PANNELRG-PITSFRDC_115_25	25	115	156	171	182	26284	26
PANNELRG-STA_56___115_24	24	115	139	145	162	26285	36
PARISHVL-COLTON___115_3	3	115	156	170	181	25241	33
PATROON_-MCKNOWNV_115_6	6	115	240	373	414	25866	73
PATROON_-PATRTAP_115_15	15	115	170	188	239	25867	4
PATRTAP_-MENANDS_115_15	15	115	128	135	152	26493	4
PAVMNTRD-STOLLERD_115_926	926	115	299	335	368	325220	7
PAWLING_-CROTONFL_115_994	994	115	179	179	179	25902	48
PEAT ST_-HDSNBRDG_115_10	10	115	225	251	291	26648	56
PEAT ST_-HDSNBRDG_115_7	7	115	340	374	414	26649	16
PETERBOR_ONEIDA___115_5	5	115	141	144	165	25896	26
PILGRIM_138B_138A_PAR	PAR	138	348	428	428	25604	140
PILGRIM_-HAUPPAUG_138_871	871	138	348	426	428	25550	140
PILGRIM_-WEST BUS_138_881	881	138	572	628	698	25537	114
PITSFRDB-QUAKERRD_115_23-1	23-1	115	180	180	180	26288	29
PITSFRDB-STA_82___115_23-2	23-2	115	176	181	209	26287	9
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	15
PLATTSBURGH PMLD #2	PS-1/A	115	179	179	224	69888	10
PLSNTVLE-DUNWODIE_345_W89	W89	345	1976	2282	2542	25182	628
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	667
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	228
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	228
PLSNTVLY-WOOD_ST__345_F30	F30	345	1976	2384	2895	25237	646
PLSNTVLY-WOOD_ST__345_F31	F31	345	1976	2384	2895	25238	614
PLSTVYCH_115_69_TR_10	TR_10	115	134	143	143	25840	54

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	12
PLSTVYCH-INWOOD__115_X-1	X-1	115	219	232	255	26209	0
PLSTVYCH-MANCHSTR_115_M	M	115	238	262	291	26208	19
PLSTVYCH-TODDHILL_115_C	C	115	174	190	202	325156	32
PORTER__-DERFIELD_115_8_26_25_23	8262523	115	127	127	127	26116	10
PORTJEFF_138_69__BK 7	BK 7	138	127	156	208	25601	63
PORTJEFF_138_69__BK 8	BK 8	138	129	159	212	25600	55
PORTJEFF-HOLBROOK_138_886	886	138	351	405	487	25540	2
PORTJEFF-SUPERCON_138_862	862	138	351	405	487	25539	2
PYRITES_-COLTON__115_7	7	115	93	101	107	26086	26
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093	34
QUAKERRD-PANNELL__115_925	925	115	351	372	414	25682	67
QUAKERRD-PANNELRG_115_914	914	115	265	295	335	25261	1
QUAKERRD-SLEIGHT__115_980(13)	980(13)	115	187	206	221	25079	85
QUAKERRD-STA_204__115_908	908	115	289	305	335	26286	52
QUENBRDG-VERNON__138_31281	31281	138	413	550	602	25159	82
QUENBRDG-VERNON__138_31282	31282	138	413	550	602	25160	28
QUENSRY-CEDAR__115_10	10	115	156	170	181	26140	34
QUENSRY-SHERMAN__115_17-QS	17-QS	115	141	144	165	26142	40
RAINEY__-FARRAGUT_345_61	61	345	698	840	1300	25152	278
RAINEY__-FARRAGUT_345_62	62	345	739	854	1293	25253	256
RAINEY__-FARRAGUT_345_63	63	345	698	840	1300	25254	278
RAINEY__-VERNON__138_36311	36311	138	280	325	413	25296	137
RAINEY__-VERNON__138_36312	36312	138	295	353	409	25297	87
RAMAPO__345_138_BK 1300	1300	345	451	546	619	25441	132
RAMAPO__345_138_BK 2300	2300	345	451	546	619	25442	135
RAMAPO__345_345_PAR3500	PAR3500	345	656	849	1093	25370	94
RAMAPO__345_345_PAR4500	PAR4500	345	728	931	1093	25371	94
RAMAPO__500_345_BK 1500	BK 1500	345	1160	1419	1923	25656	189
RAMAPO__-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	221
RAMAPO__-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	98
RAMAPOOR-TALLMAN_138_60	60	138	456	478	500	25880	146
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	17
REYNOLDS_345_115_BK 2	BK 2	345	585	676	796	25403	211
REYNOLDS-ALPS____345_1	1	345	1912	1912	1912	25587	226
REYNOLDS-GREENBSH_115_9	9	115	398	398	398	26129	102
REYNOLDS-RVSD_TAP_115_4	4	115	239	239	239	325648	27
RICHFELD-ESPRGFLD_115_7-942	7-942	115	119	120	120	26176	21
RIDGE_RD-HILLSIDE_115_963	963	115	133	145	149	26190	18
RIDGE_RD-HILLSIDE_115_978-1	978-1	115	133	149	162	26191	14
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	27
RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	56
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	65
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	218
ROCHESTR_345_115_BK 1	BK 1	345	582	630	630	25412	116
ROCHESTR_345_115_BK 2	BK 2	345	390	476	478	25432	135
ROCHESTR_345_115_BK 3	BK 3	345	582	630	630	25446	115
ROCHESTR_345_115_BK 5	BK 5	345	546	630	630	325381	233

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ROCHESTR-PANNELL_345_RP1	RP1	345	1591	1745	1904	25192	249
ROCHESTR-PANNELL_345_RP2	RP2	345	1591	1745	1904	25172	249
ROCKHILL-MNTNDALE_115_957	957	115	120	120	120	325615	18
ROCKTVRN_345_115_BK_TR1	BK_TR1	345	485	530	530	25406	35
ROCKTVRN_345_115_BK_TR3	BK_TR3	345	485	533	560	26168	35
ROCKTVRN-RAMAPO_345_77	77	345	1822	2010	2271	25183	859
ROCKTVRN-SUGRLOAF_115_SL	SL	115	179	196	206	25420	0
ROME_--ONEIDA_115_1-RO	1-RO	115	168	187	216	26112	66
RONKOKMA-HOLBROOK_138_875	875	138	572	628	698	25541	52
ROSA_RD_-GE_R_D_115_16	14	115	245	257	294	26145	47
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1030
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	168
ROTTRDAM_230_115_BK_6	BK_6	230	406	447	585	25407	109
ROTTRDAM_230_115_BK_7	BK_7	230	346	396	448	25392	106
ROTTRDAM_230_115_BK_8	BK_8	230	377	427	474	25413	85
ROTTRDAM-BURDECK_115_17	17	115	141	144	165	25129	29
ROTTRDAM-BURDECK_115_19	19	115	128	135	152	26146	51
ROTTRDAM-CURRY_RD_115_11	11	115	141	144	165	25869	35
ROTTRDAM-EASTOVER_230_38	38	230	511	564	637	326094	73
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147	102
ROTTRDAM-SWAGRTWN_115_1	1	115	478	478	478	26429	69
ROTTRDAM-SWAGRTWN_115_2	2	115	282	288	318	26430	85
ROTTRDAM-WOODLAWN_115_35	35	115	141	144	165	25865	20
RULAND_-HOLBROOK_138_882	882	138	572	628	698	25538	53
RULAND_-PILGRIM_138_661	661	138	593	593	593	25310	26
RULAND_-PILGRIM_138_662	662	138	572	593	593	25311	26
RYAN_-PLATSBURG_230_RYP-2	RYP-2	230	288	320	356	25273	128
RYNDS_HL-HIGHLAND_115_HR	HR	115	237	267	293	325825	10
RYNDS_HL-INWOOD_115_IR	IR	115	219	232	255	26248	16
S_HERO_-PLATSBURG_115_PV20	PV20	115	236	274	274	25027	105
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	69
S.OSWEGO-CURTIS_115_10	10	115	199	199	199	25511	55
S.OSWEGO-HAMRHILL_115_6	6	115	139	144	161	25513	56
S.OSWEGO-NINEMILE_115_1-SN	1-SN	115	141	144	159	25501	27
S.OWEGO_-GOUDEY_115_961	961	115	143	157	167	25725	22
S.OWEGO_-NWAVERLY_115_962-2	962-2	115	143	157	167	25727	23
S.PERRY_-MEYER_115_934	934	115	106	116	120	26194	58
S.RIPLEY-DUNKIRK_230_68	68	230	511	564	607	25045	159
S42_-S124_115_932	932	115	176	243	454	325827	135
S42_-S124_115_938	938	115	176	243	454	325972	135
SABICO_-LONGLANE_115_7	7	115	199	199	199	26501	39
SALAMANC_HOMER_HL_115_153	153	115	156	159	159	325763	47
SALAMANC_HOMER_HL_115_154	154	115	156	159	159	325764	51
SANBORN_-LOCKPORT_115_101	101	115	285	300	318	25267	116
SANBORN_-SHAWNERD_115_102	102	115	350	371	413	326179	114
SAND_BAR-PLATSBURG_115_PV20	PV20	115	236	274	274	25027	105
SANDDOCK-NCHELSEA_115_SC	SC	115	255	282	315	26249	58
SANDSTON-COLTON_115_4	4	115	222	234	278	26084	6

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SANDSTON-COLTON__115_5	5	115	222	234	278	26085	9
SANDY PD-TEWKSBRY_345_337	337	345	2022	2182	2379	26366	132
SANDY PD-WACHUSST_345_314	314	345	2022	2325	2795	26352	124
SANDY PD-WACHUSST_345_343	343	345	1600	1760	1982	25716	128
SAWYER__-HUNTLEY__230_77	77	230	691	760	848	325043	256
SAWYER__-HUNTLEY__230_78	78	230	691	760	848	325044	258
SAWYER__-SUNY_77__230_79	79	230	691	760	800	325045	344
SAWYER__-SUNY_BUF_230_80	80	230	691	760	848	325046	341
SCHODACK-GREENBSH_115_13	13	115	168	199	199	325804	68
SCOBIE__-AMHERST__345_380	380	345	1697	1697	1697	25708	360
SCOBIE__-SEABROOK_345_363	363	345	1494	1494	1494	26378	467
SCOTAFLT-MASONCR_115_909	909	115	189	207	221	325702	2
SCRIBA__-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1912	25076	97
SCRIBA__-VOLNEY__345_20	20	345	1474	1626	1881	25204	744
SCRIBA__-VOLNEY__345_21-SV	21-SV	345	1912	1912	1912	25314	1028
SENECA__-GARDNVLB_230_71	71	230	306	354	370	25856	9
SENECA__-GARDNVLB_230_72	72	230	306	354	370	25857	9
SHALETON-CLVRBANK_115_141	141	115	107	117	123	325875	48
SHALETON-LAKEVIEU_115_141	141	115	107	117	123	325874	45
SHAWNERD-LOCKPORT_115_102	102	115	285	300	318	26052	106
SHAWNERD-LOCKPORT_115_103	103	115	199	199	199	26051	85
SHENDOAH-EFISHKIL_115_EF	EF	115	243	267	293	26251	1
SHERMAN__-SPIERFLS_115_17-SS	17-SS	115	141	144	159	26148	26
SHERMCRK-ACADEMY_138_331	331	138	345	431	546	325755	150
SHERMCRK-ACADEMY_138_332	332	138	345	431	546	325754	150
SHERMCRK-E179THST_138_15031	15031	138	184	235	371	25156	154
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	152
SHOEMAKR_138_69_BK_711	BK_711	138	212	281	319	26694	57
SHOEMAKR_138_69_BK_811	BK_811	138	193	225	253	326024	66
SHOR_NPX-SHOREHAM_138_NPX_CSC	NPX_CSC	138	601	650	747	325153	330
SHORE_RD_345_138_BK_1	BK_1	345	522	641	641	25439	287
SHORE_RD_345_138_BK_2	BK_2	345	522	641	641	25440	286
SHORE_RD-GLENWOOD_138_365	365	138	572	628	698	25205	86
SHORE_RD-GLENWOOD_138_366	366	138	586	650	747	25154	94
SHORE_RD-LAKSUCSS_138_367	367	138	260	409	632	25145	195
SHORE_RD-LAKSUCSS_138_368	368	138	260	409	632	25150	195
SHOREHAM-MILLERPL_138_879	879	138	501	553	678	25117	29
SHOREHAM-WILDWOOD_138_863	863	138	555	590	678	25115	140
SHOREHAM-WILDWOOD_138_867	867	138	501	553	678	25114	137
SIDNEYRR-DELHI__115_949	949	115	117	120	120	326184	22
SLEIGHT__-CLYDE__115_3-971	3-971	115	176	179	179	26686	46
SMAHWAH_345_138_BK_258	258	345	441	516	559	25393	90
SMAHWAH__-RAMAPO__345_69	69	345	1601	2010	2268	25021	563
SMAHWAH__-RAMAPO__345_70	70	345	1822	2010	2552	25259	532
SMITHBRD-WEIBELAV_115_2	2	115	268	292	317	325903	13
SMITHBRD-WEIBELAV_115_302	302	115	268	292	317	325904	16
SOUTHDOWN-CARRSCRN_115_153	153	115	156	170	181	326162	35
SOUTHDOWN-CARRSCRN_115_154	154	115	156	170	181	326164	28

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SPIERFLS-BUTLER__115_4	4	115	128	135	152	26136	29
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	39
SPIERFLS-MOHICAN__115_7	7	115	141	144	165	26435	24
SPIERFLS-QUENSBRY_115_5-SFQ	5-SFQ	115	141	145	165	26141	38
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	14
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	42
SPRAINBROOK - SPRNBR49	R49REAC	345	755	978	1423	26725	646
SPRINGVL-ARCADE__115_151	151	115	156	171	182	326167	18
SPRINGVL-MACHIAS__115_152	152	115	156	171	182	326171	13
SPRNBRK__345_138_BK N7	BK N7	345	382	451	472	25628	181
SPRNBRK__345_138_BK S6	BK S6	345	382	451	472	25625	155
SPRNBRK -ACADEMY__345_M29	M29	345	536	775	1369	325756	301
SPRNBRK -DUNWODIE_138_99941	99941	138	385	464	464	25245	154
SPRNBRK -DUNWODIE_138_99942	99942	138	409	438	464	25246	180
SPRNBRK -DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	131
SPRNBRK -EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	0
SPRNBRK -TREMONT__345_X28	X28	345	542	725	1220	25175	373
SPRNBRK -W49TH_ST_345_M51	M51	345	799	956	1543	25053	277
SPRNBRK -W49TH_ST_345_M52	M52	345	799	956	1543	25223	277
ST_60_36-LOCKPORT_115_36-2	36-2	115	176	181	199	26049	26
ST_60_37-LOCKPORT_115_37-2	37-2	115	176	181	199	26048	27
STA_113_-SP697071_115_917	917	115	143	151	161	326080	36
STA_128_-STA_82__115_906	906	115	155	171	181	26303	24
STA_135_-STA_230_115_929	929	115	282	298	313	325839	62
STA_158_-STA_128_115_924	924	115	155	171	181	26654	20
STA_162_-S.PERRY__115_906- 7X	906-7X	115	143	157	167	25062	35
STA_162_-STA_158_115_924	924	115	155	171	181	26653	5
STA_204_115_34_BK 1	BK 1	115	56	67	112	70539	27
STA_204_115_34_BK 2	BK 2	115	56	67	112	70540	33
STA_204_-S124__115_911	911	115	321	359	436	26307	133
STA_23_-S42__115_920	920	115	92	111	137	70027	0
STA_23_-STA_33__115_901	901	115	92	111	137	70028	0
STA_230_-QUAKERRD_115_929	929	115	282	298	313	325840	56
STA_251_-MORTIMER_115_901	901	115	222	234	278	25097	105
STA_33__115_34_BK10	BK 10	115	74	80	90	70541	34
STA_37__115_34_BK 8	BK 8	115	50	59	100	70542	30
STA_37_-STA_48__115_926	926	115	351	373	414	26314	44
STA_37_-STA_67__115_926	926	115	250	280	300	26313	74
STA_418_-STA_113_115_917	917	115	155	171	181	326069	45
STA_67_-ROCHESRG_115_922	922	115	343	391	416	26321	135
STA_67_-STA_418_115_910	910	115	225	239	239	326048	67
STA_67_-STA_82__115_903	903	115	343	416	433	26322	45
STA_7_-STA_48__115_919	919	115	282	299	314	26302	27
STA_7_-STA_93__115_917	917	115	129	145	161	26301	32
STA_82_-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	176
STA_82_-ROCHESRG_115_904	904	115	608	657	657	25081	220
STA_82_-ROCHESRG_115_905	905	115	608	657	657	26305	207
STA_82_-STA_251_115_902	902	115	225	239	239	70058	58

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
STA_93__-SP697071_115_917	917	115	151	167	175	326084	25
STATE_ST-WRGTAVE_115_976	976	115	231	239	239	26200	26
STERLING-RULAND__138_663	663	138	245	304	338	26498	100
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	29
STLAWRNC_230A_230C_PS 33	PS 33	230	285	298	363	25118	0
STLAWRNC_230B_230D_PS 34	PS 34	230	356	375	525	25119	0
STLAWRNC-MOSES____230_L33P	L33P	230	448	490	536	25026	0
STLAWRNC-MOSES____230_L34P	L34P	230	448	490	536	25037	0
STOLLERD_345_115_BK 3	BK 3	345	333	378	420	25461	14
STOLLERD_345_115_BK 4	BK 4	345	341	390	420	25462	14
STOLLERD-HISHELDN_230_67	67	230	506	556	603	25064	209
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	262
STONER__-ROTTDAM_115_12-SR	12-SR	115	102	102	102	25680	9
STONYRDG_230_115_BK1	BK1	230	291	336	336	325811	97
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	141
SUGRLOAF-RAMAPOOR_138_26	26	138	314	343	356	25326	1
SUGRLOAF-RAMAPOOR_138_28	28	138	282	309	321	325774	12
SULLVNPB-STONYRDG_115_712	712	115	277	320	320	325809	96
SUNY_BUF-GARDNVLB_230_79	79	230	691	760	790	25165	325
SUNY_BUF-GARDNVLB_230_80	80	230	691	760	810	25196	323
SWAGRTWN-TAPBLSTN_115_1	1	115	331	364	404	325895	72
SWAGRTWN-TAPBROOK_115_2	2	115	282	288	318	325894	68
SWANROAD-LOCKPORT_115_104	104	115	199	199	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	211	217	242	326181	92
SWEDEN__-MORTIMER_115_111	111	115	129	149	153	25347	35
SWEDEN__-MORTIMER_115_113	113	115	129	149	153	25348	22
SWEDEN__-SHELBY76_115_113	113	115	174	191	199	326131	60
SYLVANLK-PAWLING_115_990	990	115	239	239	239	26156	110
SYOSSET__138_69__BK 5	BK 5	138	258	304	338	26565	63
SYOSSET_-LOCUSTGR_138_559	559	138	555	590	678	25904	215
TALLMAN_-MONSEY____138_602	602	138	456	478	500	325609	111
TAPBLSTN-TAPBROOK_115_302	302	115	268	293	317	325898	7
TAYLORVL-BULYMO____115_6	6	115	128	135	145	26070	34
TAYLORVL-LOWVILLE_115_5-TL	5-TL	115	128	135	152	26107	41
TEALLAVE-ASH____115_7-TA	7-TA	115	123	148	148	26063	35
TEALLAVE-ASH____115_8-AT	8-AT	115	123	148	148	26117	35
TEALLAVE-BM_CC_GM_115_6	6	115	227	239	239	26154	68
TEALLAVE-CURTIS____115_13	13	115	199	199	199	326066	3
TEALLAVE-ONEIDA____115_2-OT	2-OT	115	141	144	159	25895	51
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	61
TELGRAPH-N.AKRON____115_107	107	115	231	231	231	26508	56
TELGRAPH-SHELBY76_115_114	114	115	129	149	153	25349	57
TEMPLE__-PEAT ST_115_10-TP	10-TP	115	145	176	179	26715	56
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	102	113	125	26470	7
TILDEN__-DEWITT____115_19	19	115	222	234	239	26092	35
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	16
TREMONT__138A_138B_BK 11	BK 11	138	271	329	377	25649	186
TREMONT__138C_138D_BK 12	BK 12	138	271	329	377	25650	186

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
TREMONT__345_138_BK 11	BK 11	345	299	350	407	25473	186
TREMONT__345_138_BK 12	BK 12	138	299	350	407	25474	186
TREMONT_-PARKCHTR_138_38X01	38X01	138	251	363	550	25120	92
TREMONT_-PARKCHTR_138_38X02	38X02	138	251	363	550	25121	92
TREMONT_-PARKCHTR_138_38X03	38X03	138	270	397	550	25122	93
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	92
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	27
URBAN154-DALYROAD_115_39	39	115	211	217	255	326152	42
URBAN154-NEWWALDN_115_38	38	115	211	217	255	326151	43
VALKIN_-FT._ORAN_115_15	15	115	159	159	159	325685	79
VALLEY_-FAIRFIEL_115_12	12	115	141	144	159	325743	47
VALLYSTR_138A_138B_PAR	B_PAR	138	348	428	428	25607	108
VALLYSTR-BARRETT__138_291	291	138	261	334	434	25312	75
VALLYSTR-BARRETT__138_292	292	138	261	334	434	25313	85
VALLYSTR-EGRDNCTY_138_262	262	138	189	263	458	25244	163
VERNON_-GREENWD_138_31231	31231	138	195	249	310	25337	12
VERNON_-KENTAVE_138_31232-1	31232-1	138	195	249	310	26123	37
VINGR_TP-VINEGAR_115_917 TAP	917 TAP	115	149	172	215	26455	8
VOLNEY_-CLAY____345_6	6	345	1431	1605	1881	25198	516
VOLNEY_-MARCY____345_19	19	345	1434	1793	2297	25345	699
VRNON VT-FITZWILL_345_379	379	345	896	896	896	26388	167
VT YANK_-VRNON VT_345_3340	3340	345	1266	1266	1434	25717	23
W.NYACK__138_69__BK 221	BK 221	138	212	281	319	26334	55
W.NYACK_-SNKEHLRD_138_562	563	138	212	281	319	325906	55
W_ERIAVE-HICKLING_115_935	935	115	120	120	120	325568	0
W_ERIAVE-SULLVNPK_115_711	711	115	299	327	360	325808	75
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	96
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	53
WADNGRIV-NSHORBCH_138_878	878	138	555	590	678	325642	24
WADNGRIV-SHOREHAM_138_891	891	138	501	553	678	25342	24
WALCK_RD-ZIMMERM2_115_133-1	133-1	115	213	225	242	26153	148
WALDEN_-DEPEW_TP_115_54-921	54-921	115	168	212	239	26024	31
WALDEN_-WALDN_A2_115_BK 1	BK 1	115	44	44	51	25429	9
WALDWICK_345_230_BK1	BK1	345	622	763	850	25479	338
WALDWICK_345_230_BK2	BK2	345	630	768	841	25480	338
WALDWICK_345_230_BK3	BK3	345	690	852	952	25481	327
WALDWICK-SMAHWAH__345_J3410	J3410	345	743	1094	1974	25032	472
WALDWICK-SMAHWAH__345_K3411	K3411	345	746	1093	1975	25039	532
WALESVIL-CAVANARD_115_7	7	115	141	144	159	325213	27
WARNSBRG-SCOFDRD_115_10	10	115	119	119	119	326148	33
WARREN_-FALCONER_115_171	171	115	136	136	140	25015	26
WATKINRD-INGHAM_C_115_2-WI	2-WI	115	141	144	159	25805	55
WATRCURE_345_230_BK 1	BK 1	345	494	590	600	25402	181
WATRCURE-OAKDALE__230_71	71	230	318	435	440	25179	39
WATRCURE-OAKDALE__345_31	31	345	1076	1076	1076	25178	47
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	30
WEST BUS-SILLSRD_138_873	873	138	572	628	698	325618	6
WETHSRFD-MEYER____230_85	85	230	506	556	603	325623	290

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
WHAVSTOR-LOVETT__138_53	53	138	282	309	321	25884	9
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	15
WHAVSTRW_345_138_BK_194	BK_194	345	451	546	619	25447	164
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	10
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	32
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	58
WILDWOOD_138_69__BK_4	BK_4	138	258	304	338	26550	94
WILDWOOD-RIVRHEAD_138_890	890	138	370	392	434	25905	109
WILLET__-ENORWICH_115_945-1	945-1	115	133	149	162	25732	65
WILLIS__230_115_BK_1	BK_1	230	172	201	225	25388	57
WILLIS__230_115_BK_2	BK_2	230	172	201	225	25390	57
WILLIS__-CHAT_TAP_115_1(911)	911	115	173	187	200	26204	52
WILLIS__-PATNODE__230_WPN-1	WPN-1	230	478	478	569	325565	45
WILLIS__-RYAN____230_WRY-2	WRY-2	230	478	478	569	325566	43
WILLWBRK-FRESHKLS_138_29211-2	29211-2	138	207	275	450	25319	141
WILLWBRK-FRESHKLS_138_29212-2	29212-2	138	207	275	450	25320	145
WOLF_RD_-MENANDS__115_10	10	115	128	135	140	26255	57
WOOD_ST__345_115_BK_1	BK_1	345	350	400	420	25437	116
WOOD_ST__345_115_BK_2	BK_2	345	358	412	420	25438	98
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	545
WOOD_ST_-MILLWOOD_345_W81	W81	345	1976	2387	2895	25525	614
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	652
WOODARD_-ELBRIDGE_115_4	4	115	190	208	221	325316	20
WOODLAWN-STATE_CA_115_12	12	115	148	166	166	26490	12
WOODSTNY-AMAWALK__115_996	996	115	261	287	311	25574	98
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	8
WWDURNY_115_69__BK_1	BK_1	115	50	50	50	25404	7
WYNTKLN-REYNOLDS_115_13-WR	13-WR	115	227	248	268	26143	61
YAHNUNDA-EDIC_PTR_115_3	3	115	141	144	159	26515	55
ZIMMERM1-HUNTLEY__115_130-1	130-1	115	211	217	239	26043	96
ZIMMERM2-HUNTLEY__115_133-2	133-2	115	211	217	242	26042	113

E. INTERFACE DEFINITIONS

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)	SR1-39	345
Niagara-Rochester*	NR2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Sweden 3	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
<i>West (Zone A) – Central (Zone C)</i>		
*Stolle Road – High Sheldon	67	230
*Andover - Palmiter	932	115

MOSES SOUTH		
<i>North (Zone D) – Mohawk Valley (Zone E)</i>		
Name	Line ID	Voltage (kV)
*Massena-Marcy	MSU1	765
*Moses-Adirondack	MA1	230
*Moses-Adirondack	MA2	230
*Dennison-Norfolk	4	115
*Dennison-Sandstone	5	115
*Alcoa-N. Ogdensburg	13	115
Parishville-Colton*	3	115

* indicates the metered end of the circuit

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- Wood St.	F31	345
*Pleasant Valley-E. Fishkill	F36	345
*Pleasant Valley-E. Fishkill	F37	345
*Ramapo-Buchanan North	Y94	345
Roseton-E. Fishkill*	RFK305	345
*Fishkill Plains–Sylvan Lake	FP	115
East Fishkill 115/345*	BK1	115/345
East Fishkill 115/345*	BK2	115/345

CENTRAL EAST		
<i>Mohawk Valley (Zone E) – Capital (Zone F)</i>		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	7	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
<i>North (Zone D) – ISONE (Zone N)</i>		
*Plattsburgh – Sand Bar	PV20	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*	18	345
*Fraser-Gilboa	GF5-35	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield - Inghams*	7	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
<i>Mohawk Valley (Zone E) – Hudson Valley (Zone G)</i>		
Middletown-Rock Tavern*	MTR-34	345
Coopers-Rock Tavern*	CRT-42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
<i>North (Zone D) – ISONE (Zone N)</i>		
*Plattsburgh-Sand Bar	PV20	115
<i>PJM East (Zone P) – Hudson Valley (Zone G)</i>		
Hopatcong-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 G)</i>		
*Cresskill – Sparkill	751	69
*Harings Corners – W. Nyack	701	69
*Harings Corners – Corporate Drive	703	138
*Montvale – Bluehill	44	69
*Montvale – Bluehill	43	69
*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 the circ

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*	X28	345
*Sprain Brook-West 49th Street	M51	345
*Sprain Brook-West 49th Street	M52	345
*Sprain Brook-Academy	M29	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-Lake Success*	903	138
Jamaica-Valley Stream*	901L&M	138

NYISO-ISONNE		
<i>North (Zone D) – ISONNE (Zone N)</i>		
Name	Line ID	Voltage (kV)
*Plattsburgh-Sand Bar	PV20	115
<i>Capital (Zone F) – ISONNE (Zone N)</i>		
*Alps-Berkshire	393	345
Eastover-Bear Swamp*	E205W	230
*Hoosick -Bennington	K6	115
*Whitehall-Blissville	K7	115
<i>Hudson Valley (Zone G) – ISONNE (Zone N)</i>		
Name	Line ID	Voltage (kV)
*Pleasant Valley-Long Mountain	398	345
Smithfield-Salisbury*	690	69

* indicates the metered end of the

IESO (Ontario)-NYISO		
<i>Ontario East (Zone O) – North (Zone D)</i>		
Name	Line ID	Voltage (kV)
St. Lawrence-Moses*	L33P	230
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

PJM-NYISO		
<i>PJM East (Zone P) – NYC (Zone J)</i>		
Name	Line ID	Voltage (kV)
Hudson-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
<i>PJM West – Central (Zone C)</i>		
Watercure-Mainesburg*	30	345
E. Towanda-Hillside*	70	230
Laurel Lake-Goudey*	952	115
*E. Sayre-N. Waverly	956	115
<i>PJM West – West (Zone A)</i>		
*Homer City-Five Mile Road	37	345
Erie East - South Ripley*	69	230
*Warren-Falconer	171	115
<i>PJM East (Zone P) – Hudson Valley (Zone G)</i>		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
<i>PJM (Rockland Electric) – Hudson Valley (Zone G)</i>		
*Cresskill – Sparkill	751	69
*Harings Corners – W. Nyack	701	69
*Harings Corners – Corporate Drive	703	138
*Montvale – Bluehill	44	69
*Montvale – Bluehill	43	69
*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 the circuit

F. ANNOTATED MUST OUTPUT

This Section Is Available Electronically If Requested

G. TRANSFER LIMIT SENSITIVITY GRAPHS

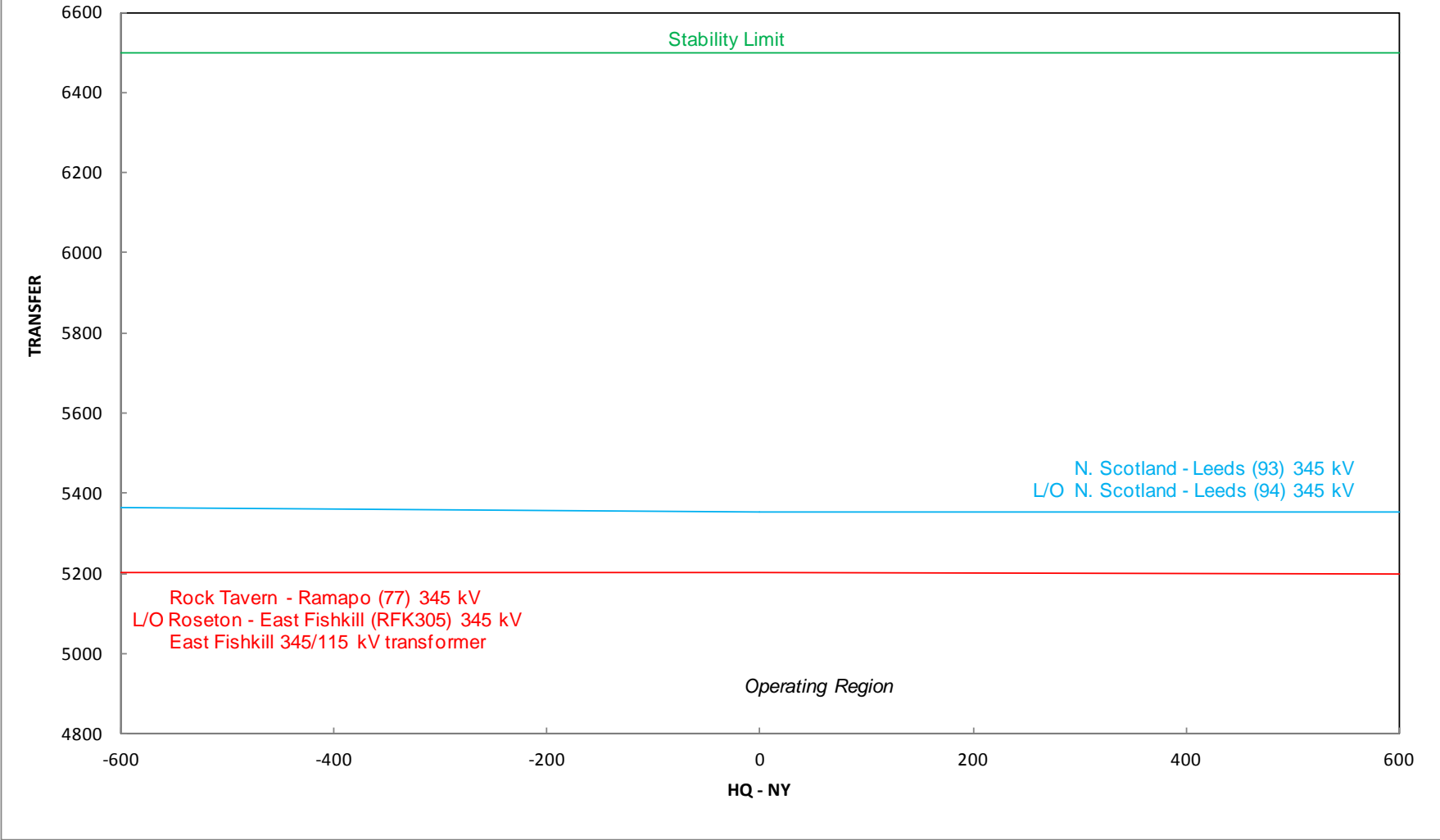
INDEX

1. Total East vs. HQ-NY	G-1
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7. IESO (ONTARIO)-NYISO Transfer vs. L33P & L34P	G-7

Total East vs. HQ Export to New York

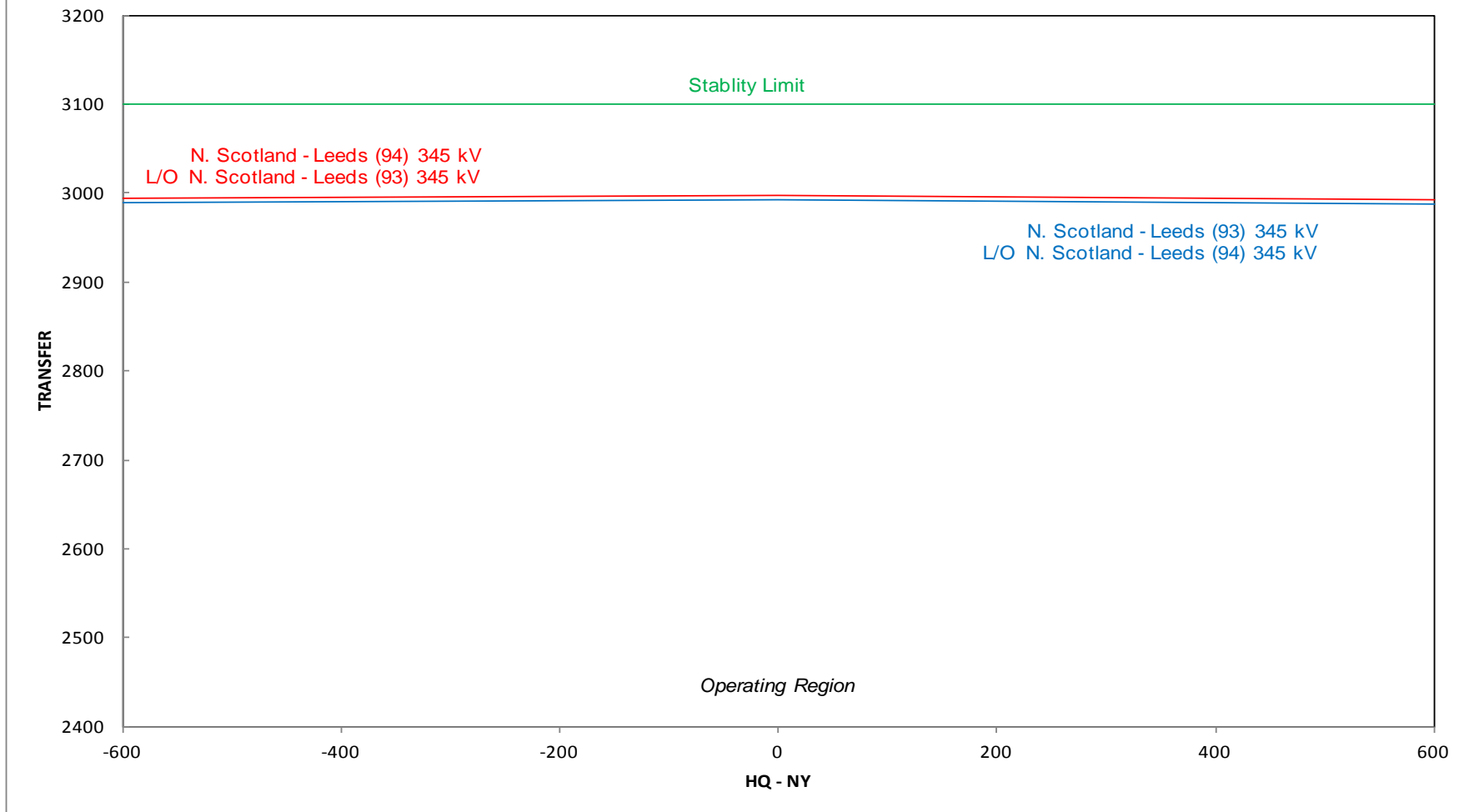
For Normal Transfer Criteria

Winter 2015-16



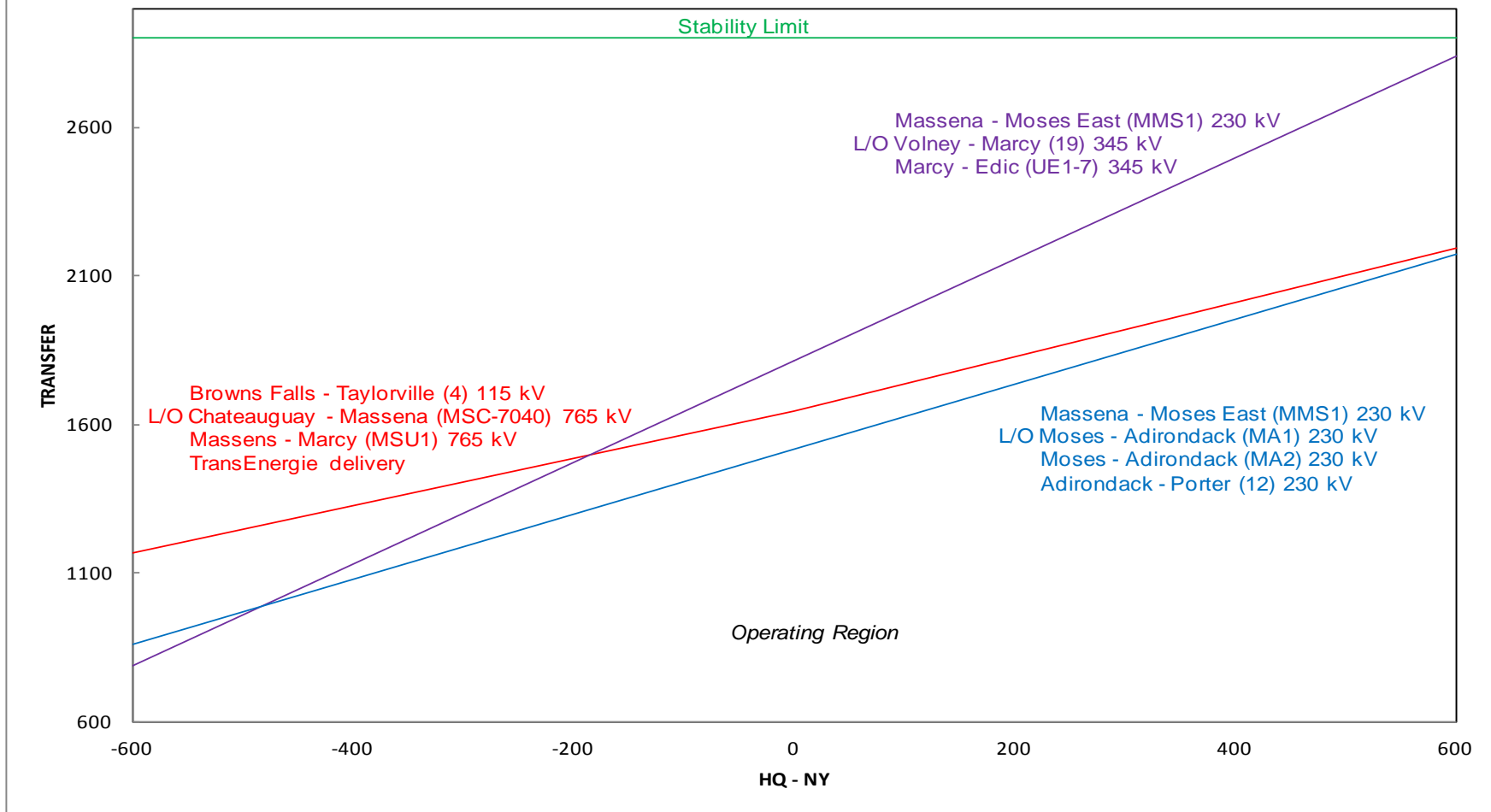
G-1

Central East vs. HQ Export to New York
For Normal Transfer Criteria
Winter 2015-16



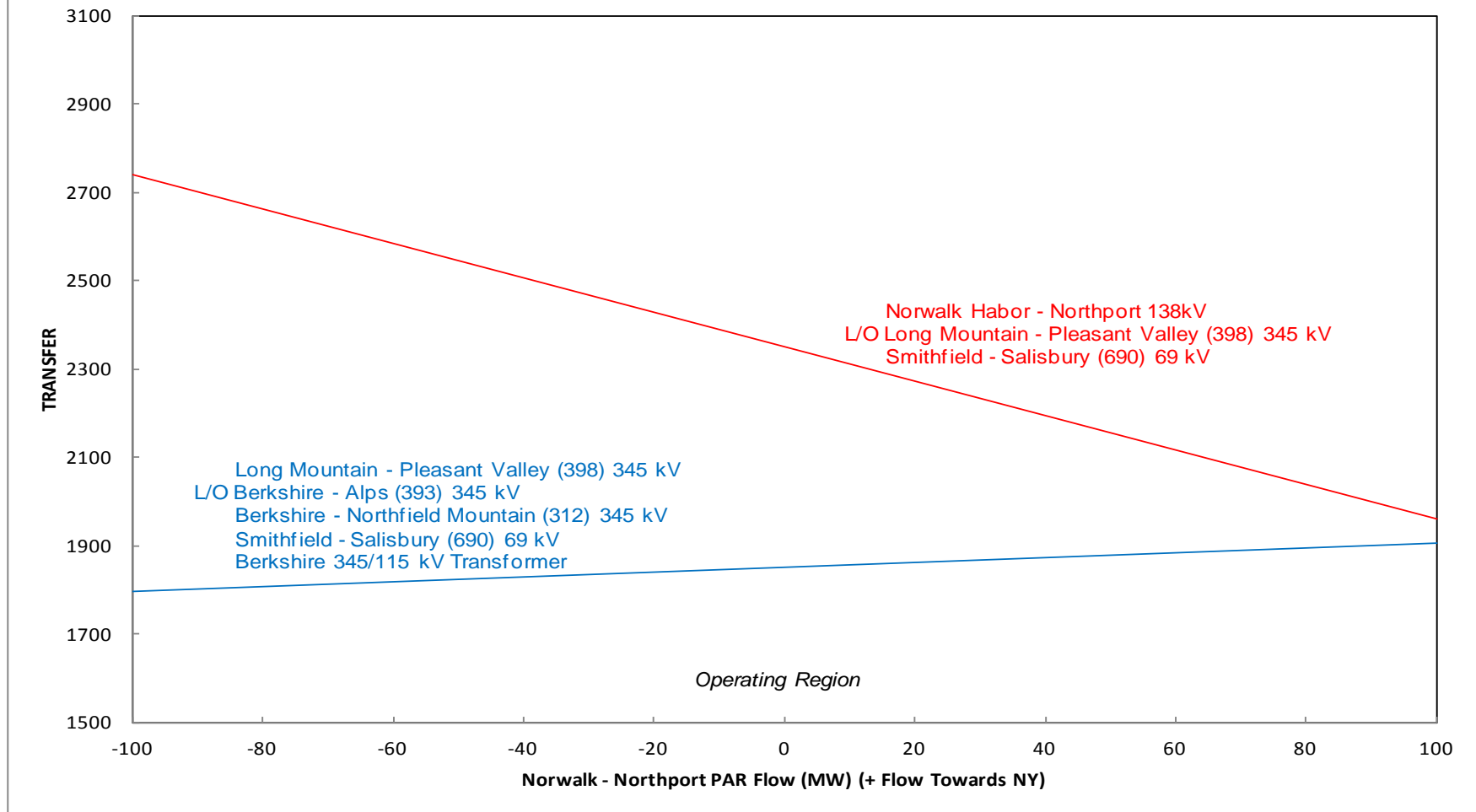
G-2

Moses South vs. HQ Export to New York For Normal Transfer Criteria Winter 2015-16



G-3

NE-NY vs. NORWALK-NORTHPORT PAR Flow
For Normal Transfer Criteria
Winter 2015-16

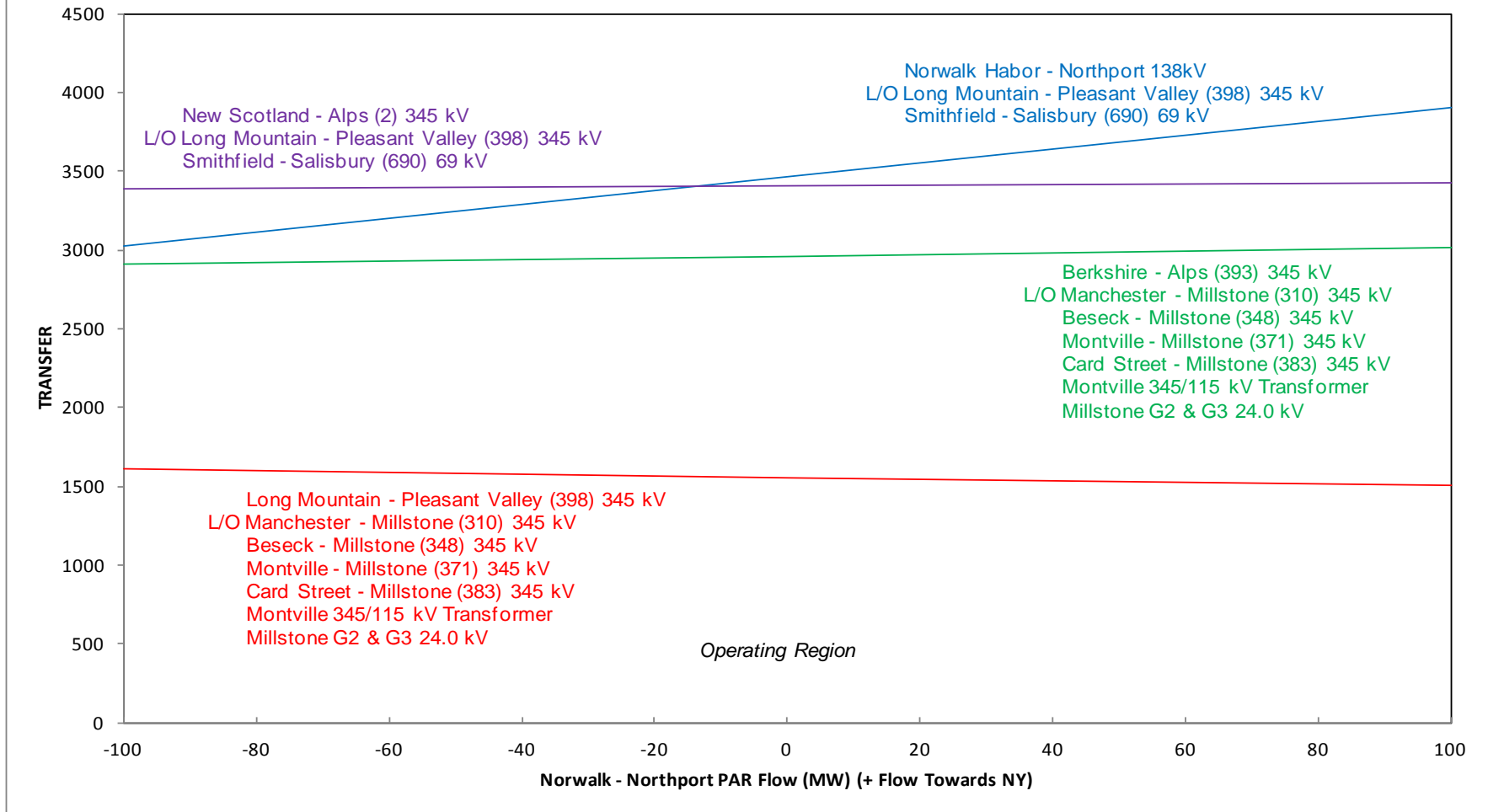


G-4

NY-NE vs. NORWALK-NORTHPORT PAR Flow

For Normal Transfer Criteria

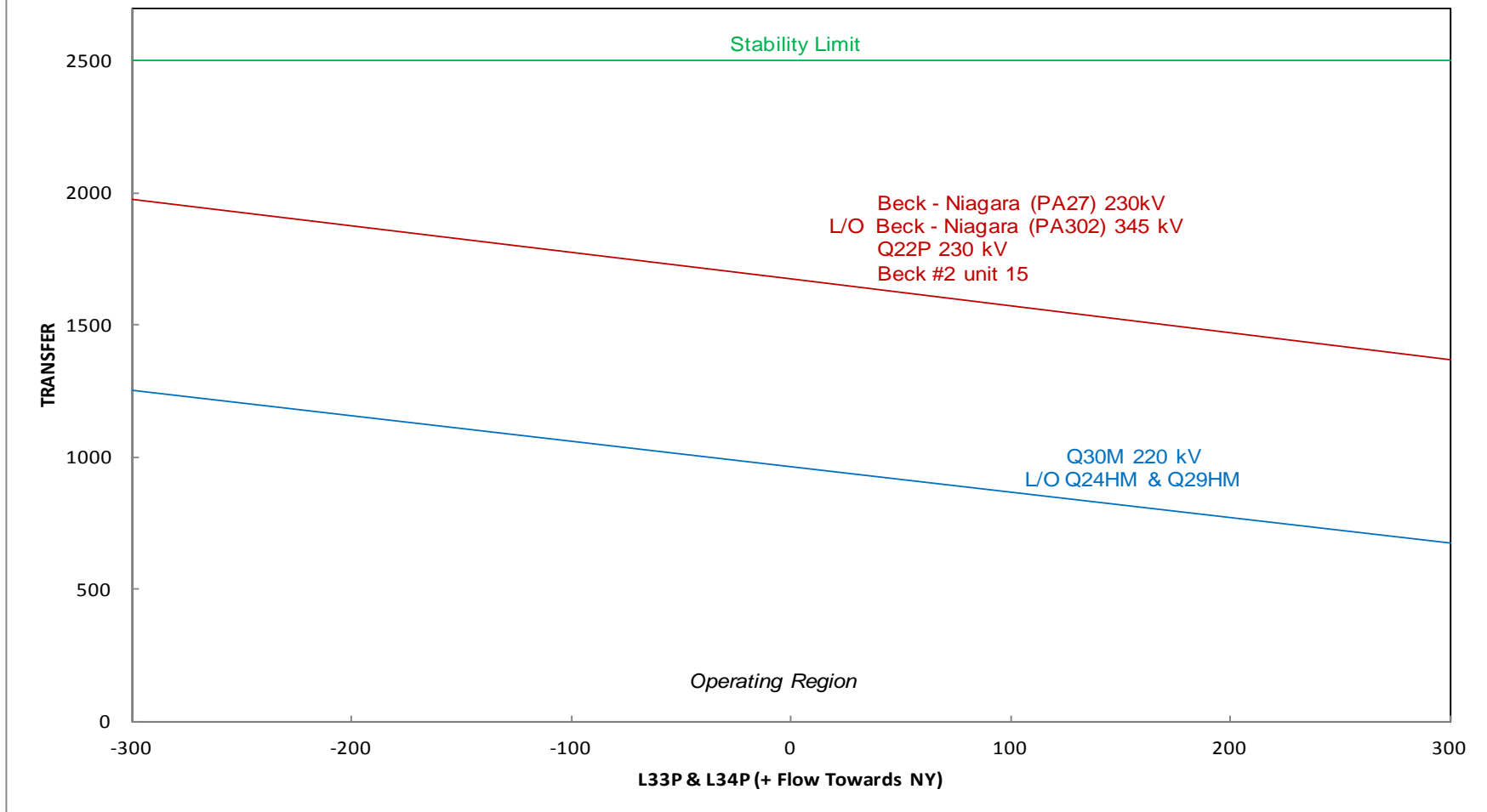
Winter 2015-16



G-5

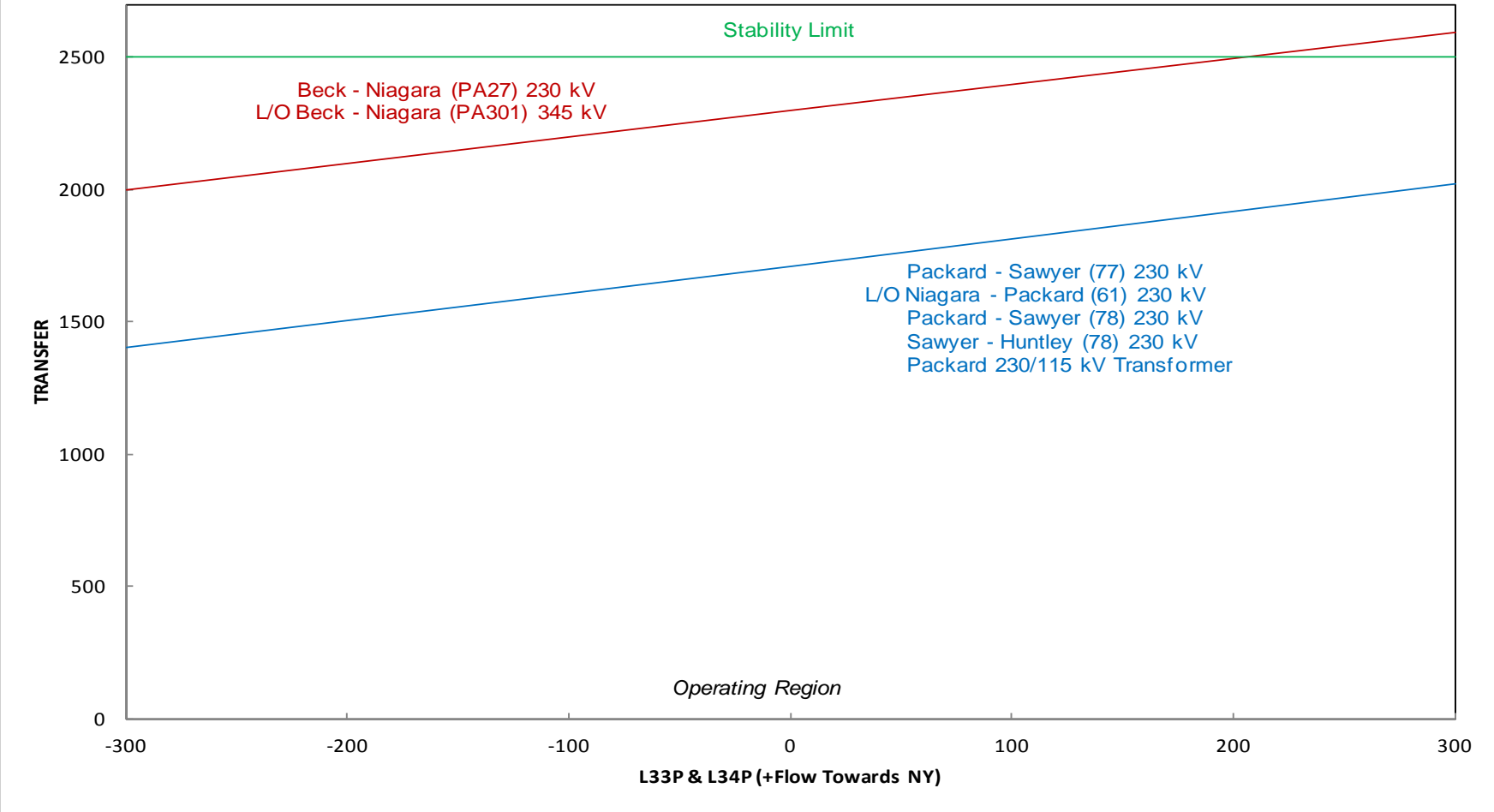
NY-IESO (Ontario) Transfer vs. L33P & L34P

For Normal Transfer Criteria
Winter 2015-16 with BP76 I/S



G-6

IESO (Ontario)-NY Transfer vs. L33P & L34P
For Normal Transfer Criteria
Winter 2015-16 with BP76 I/S



G-7

H. COMPARISON OF TRANSFER LIMITS WINTER 2015-16 vs. 2014-15

Comparison of Winter 2015-16 to Winter 2014-15 Thermal Limits

Interface		WINTER 2015-16		WINTER 2014-15		Delta
		Limit (MW)	Contingency	Limit (MW)	Contingency	
Dysinger East	Normal	2925	1	3000	1	-75
	Emergency	3250	2	3325	2	-75
UPNY - ConEd	Normal	4600	3	4600	3	0
	Emergency	5050	4	5050	4	0
Sprain Brook	Normal	4025	5	3900	5	125
Dunwoodie-South	Emergency	4125	6	4000	6	125
Con Ed - LIPA	Normal	950	7	950	7	0
	Emergency	1550	8	1550	8	0
Central East	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	2975	9	3025	9	-50
	Emergency	3350	10	3400	10	-50
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	2975	9	2975	9	0
	Emergency	3350	10	3350	10	0
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	2975	9	2950	9	25
	Emergency	3350	10	3325	10	25
Total East ²	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	5200	11	5175	11	25
	Emergency	6100	10	6100	12	0
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	5200	11	5175	11	25
	Emergency	6100	10	6100	12	0
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	5200	11	5175	11	25
	Emergency	6100	10	6100	12	0
Moses - South	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	2150	13	2150	13	0
	Emergency	2325	14	2325	14	0
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	1500	13	1500	13	0
	Emergency	1600	14	1600	14	0
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	775	15	750	15	25
	Emergency	875	14	850	14	25

² Limits in this report do not include Neptune in the Total East Interface.

NYISO WINTER 2015-16 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Huntley – Sawyer (80) 230 kV	@LTE	760 MW	L/O	Huntley – Sawyer (79) 230 kV
(2)	Packard – Sawyer (77) 230 kV	@STE	795 MW	L/O	Packard – Sawyer (78) 230 kV
(3)	Leeds – Pleasant Valley (92) 345kV	@LTE	1783 MW	L/O	Athens – Pleasant Valley (91) 345kV
(4)	Leeds – Pleasant Valley (92) 345kV	@STE	1912 MW	L/O	Athens – Pleasant Valley (91) 345kV
(5)	Dunwoodie – Mott Haven (71) 345kV	@SCUC	1084 MW	L/O	Dunwoodie – Mott Haven (72) 345kV
(6)	Dunwoodie – Mott Haven (71) 345kV	@NORM	741 MW		Pre – Contingency Loading
(7)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE	977 MW	L/O	Sprain Brook – E.G.C. (Y49) 345kV Sprain Brook – Academy (M29) 345 kV
(8)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	741 MW		Pre – Contingency Loading
(9)	New Scotland – Leeds (93) 345kV	@LTE	1692 MW	L/O	New Scotland – Leeds (94) 345kV
(10)	New Scotland – Leeds (93) 345kV	@STE	1912 MW	L/O	New Scotland – Leeds (94) 345kV
(11)	Rock Tavern – Ramapo (77) 345 kV	@LTE	2010 MW	L/O	Roseton – East Fishkill (RFK305) 345 kV East Fishkill 345/115 kV Transformer
(12)	Rock Tavern – Ramapo (77) 345 kV	@STE	2271 MW	L/O	Roseton – East Fishkill (RFK305) 345 kV
(13)	Massena – Moses East (MMS1) 230 kV	@LTE	1254 MW	L/O	Moses – Adirondack (MA1) 230 kV Moses – Adirondack (MA2) 230 kV Adirondack – Porter (12) 230 kV
(14)	Massena – Moses East (MMS1) 230 kV	@NORM	1076 MW		Pre – Contingency Loading
(15)	Massena – Moses East (MMS1) 230 kV	@LTE	1254 MW	L/O	Volney – Marcy (19) 345 kV Marcy – Edic (UE1-7) 345 kV

I. GENERATION SHIFTS ASSUMED FOR THERMAL ANALYSIS

<----- STUDY SYSTEM ----->					<----- OPPOSING SYSTEM ----->				
<----- GENERATOR MW----- >					<----- GENERATOR MW----- >				
BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE		
DYSINGER EAST									
155712	LENNOX_GS-1	400.0	405.0	5.0	126340	KEYSPG-1	112.7	107.7	-5.0
155715	LENNOX_GS-4	400.0	405.0	5.0	126652	RAV 3	894.0	860.0	-34.0
156673	PICK_A_GS-1	0.0	15.0	15.0	126653	AK 2	150.0	146.0	-4.0
156685	PICK_B_GS-7	0.0	15.0	15.0	126658	RAV 2	252.8	244.8	-8.0
158740	NANTICOKE_G5	0.0	15.0	15.0	126660	COGENGT2	59.0	57.0	-2.0
158741	NANTICOKE_G6	0.0	15.0	15.0	126661	COGENGT3	59.0	57.0	-2.0
159615	BRUCE_A_GS-3	0.0	10.0	10.0	126662	COGENGT4	59.0	57.0	-2.0
159619	BRUCE_A_GS-7	0.0	10.0	10.0	126663	COGENGT5	66.9	64.9	-2.0
159620	BRUCE_A_GS-8	0.0	10.0	10.0	126664	COGENST1	66.9	64.9	-2.0
					126665	COGENST2	66.9	64.9	-2.0
					128901	BARETG2	161.6	156.1	-5.0
					129071	CAITH-GT	91.9	87.9	-4.0
					129072	CAITH-ST	82.5	78.5	-4.0
					147788	POLETGT2	95.0	92.0	-3.0
					147789	POLETSTG	102.1	97.1	-5.0
					147790	POLETGT1	95.0	92.0	-3.0
					148708	Q308_GT1	75.0	72.0	-3.0
					148709	Q308_GT2	75.0	72.0	-3.0
					148710	Q308_ST	150.0	143.0	-7.0
UPNY - CONED									
136702	OSWGO 5G	198.4	222.4	24.0	126251	ER G6	94.5	92.5	-2.0
136703	OSWGO 6G	0.0	29.0	29.0	126340	KEYSPG-1	112.7	108.7	-4.0
147763	MOS17-18	45.1	47.1	2.0	126341	KEYSPST1	65.2	63.2	-2.0
148706	MRBLRV1_8G	64.6	69.6	5.0	126652	RAV 3	894.0	865.0	-29.0
158740	NANTICOKE_G5	0.0	15.0	15.0	126653	AK 2	150.0	147.0	-3.0
158743	NANTICOKE_G8	0.0	15.0	15.0	126654	AST 3	150.0	147.0	-3.0
159613	BRUCE_A_GS-1	200.0	210.0	10.0	126657	RAV 1	251.9	244.9	-7.0
					126658	RAV 2	252.8	245.8	-7.0
					126660	COGENGT2	59.0	57.0	-2.0
					126661	COGENGT3	59.0	57.0	-2.0
					126662	COGENGT4	59.0	57.0	-2.0
					126663	COGENGT5	66.9	64.9	-2.0
					126664	COGENST1	66.9	64.9	-2.0
					126665	COGENST2	66.9	64.9	-2.0
					126692	SCS18-G4	75.0	74.0	-1.0
					126710	SCS18-G5	75.0	74.0	-1.0
					126711	SCS18-G6	100.0	98.0	-2.0
					128901	BARETG2	161.6	157.6	-4.0
					128963	HEMP RR	55.3	53.3	-2.0
					129071	CAITH-GT	91.9	88.9	-3.0
					129072	CAITH-ST	82.5	79.5	-3.0
					129093	PTJFG4	90.9	88.9	-2.0
					147788	POLETGT2	95.0	92.0	-3.0
					147789	POLETSTG	102.1	98.1	-4.0

<----- STUDY SYSTEM -----> <----- OPPOSING SYSTEM ----->

<----- GENERATOR MW----- >

<----- GENERATOR MW----- >

BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE
				147790 POLETGT1	95.0	92.0	-3.0
				147821 NYPA108	80.3	77.3	-3.0

SPRAIN BROOK DUNWOODIE - SOUTH

136702	OSWGO 5G	198.4	220.4	22.0	126340	KEYSPG-1	112.7	107.7	-5.0
136703	OSWGO 6G	0.0	28.0	28.0	126341	KEYSPST1	65.2	62.2	-3.0
147763	MOS17-18	45.1	47.1	2.0	126652	RAV 3	894.0	861.0	-33.0
147855	CHATG_GE_G1	32.0	34.0	2.0	126654	AST 3	150.0	146.0	-4.0
148706	MRBLRV1_8G	64.6	70.6	6.0	126657	RAV 1	251.9	249.1	-2.0
158740	NANTICOKE_G5	0.0	20.0	20.0	126658	RAV 2	252.8	244.8	-8.0
159613	BRUCE_A_GS-1	200.0	220.0	20.0	126660	COGENGT2	59.0	57.0	-2.0
					126661	COGENGT3	59.0	57.0	-2.0
					126662	COGENGT4	59.0	57.0	-2.0
					126663	COGENGT5	66.9	63.9	-3.0
					126664	COGENST1	66.9	63.9	-3.0
					126665	COGENST2	66.9	63.9	-3.0
					126692	SCS18-G4	75.0	74.0	-1.0
					126710	SCS18-G5	75.0	74.0	-1.0
					126711	SCS18-G6	100.0	98.0	-2.0
					147788	POLETGT2	95.0	91.0	-4.0
					147789	POLETSTG	102.1	97.1	-5.0
					147790	POLETGT1	95.0	91.0	-4.0
					148708	Q308_GT1	75.0	72.0	-3.0
					148709	Q308_GT2	75.0	72.0	-3.0
					148710	Q308_ST	150.0	143.0	-7.0

CONED - LIPA

126650	AK 3	0.0	39.0	39.0	128901	BARETG2	161.6	146.6	-15.0
126653	AK 2	150.0	154.0	4.0	128918	FRPT-GT1	40.2	36.2	-4.0
126659	COGENGT1	0.0	7.0	7.0	128963	HEMP RR	55.3	49.3	-6.0
126660	COGENGT2	59.0	64.0	5.0	129024	NRTPTG1	127.3	124.3	-3.0
126661	COGENGT3	59.0	64.0	5.0	129025	NRTPTG2	127.3	124.3	-3.0
126662	COGENGT4	59.0	64.0	5.0	129026	NRTPTG3	127.3	124.3	-3.0
126664	COGENST1	66.9	70.9	4.0	129027	NRTPTG4	127.3	124.3	-3.0
126665	COGENST2	66.9	70.9	4.0	129053	PLWN_CC	35.0	31.0	-4.0
126737	RNY 7EGT	0.0	9.0	9.0	129071	CAITH-GT	91.9	69.9	-22.0
126738	RNY 7WGT	0.0	9.0	9.0	129072	CAITH-ST	82.5	72.5	-10.0
126739	RNY 9EGT	0.0	9.0	9.0	129093	PTJEFG4	90.9	77.9	-13.0
					147821	NYPA108	80.3	70.3	-10.0
					147822	NYPA56	40.2	35.2	-5.0

CENTRAL EAST, TOTAL EAST

136702	OSWGO 5G	198.0	216.0	18.0	126340	KEYSPG-1	112.7	109.7	-3.0
136703	OSWGO 6G	0.0	24.0	24.0	126341	KEYSPST1	65.2	64.2	-1.0
137924	FLATRKG5_V8	69.3	71.8	2.5	126606	COOP CITY	40.5	39.5	-1.0
147763	MOS17-18	46.4	47.4	1.0	126652	RAV 3	894.0	868.0	-26.0
147808	ALTONA_GE_G1	29.3	31.3	2.0	126653	AK 2	150.0	148.0	-2.0
147855	CHATG_GE_G1	32.0	34.0	2.0	126654	AST 3	150.0	148.0	-2.0

<----- STUDY SYSTEM -----> <----- OPPOSING SYSTEM ----->

<----- GENERATOR MW----- >

<----- GENERATOR MW----- >

BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE
147971 ELNBG_GE_1G	24.3	25.8	1.5	126657 RAV 1	251.9	245.9	-6.0
148706 MRBLRV1_8G	64.6	68.6	4.0	126658 RAV 2	252.8	246.8	-6.0
158740 NANTICOKE_G5	0.0	13.0	13.0	126660 COGENGT2	59.0	57.0	-2.0
159613 BRUCE_A_GS-1	200.0	216.0	16.0	126661 COGENGT3	59.0	57.0	-2.0
159614 BRUCE_A_GS-2	200.0	216.0	16.0	126662 COGENGT4	59.0	57.0	-2.0
				126663 COGENGT5	66.9	65.9	-1.0
				126664 COGENST1	66.9	65.9	-1.0
				126665 COGENST2	66.9	65.9	-1.0
				126692 SCS18-G4	75.0	74.0	-1.0
				126710 SCS18-G5	75.0	74.0	-1.0
				126711 SCS18-G6	100.0	99.0	-1.0
				128901 BARETG2	161.6	157.6	-4.0
				128916 FROCKGT2	45.0	44.0	-1.0
				128918 FRPT-GT1	40.2	39.2	-1.0
				128924 FRPT-GT2	40.2	39.2	-1.0
				128963 HEMP RR	55.3	53.3	-2.0
				128970 TRIGEN	37.3	36.3	-1.0
				128984 CALP_CTG	40.2	39.2	-1.0
				129053 PLWN_CC	35.0	34.0	-1.0
				129071 CAITH-GT	91.9	88.9	-3.0
				129072 CAITH-ST	82.5	79.5	-3.0
				129093 PTJFEG4	90.9	89.9	-1.0
				147788 POLETGT2	95.0	92.0	-3.0
				147789 POLETSTG	102.1	99.1	-3.0
				147790 POLETGT1	95.0	92.0	-3.0
				147810 PAGTFOXH	32.3	31.3	-1.0
				147811 PAGTGOW1	31.5	30.5	-1.0
				147821 NYPA108	80.3	78.3	-2.0
				147822 NYPA56	40.2	39.2	-1.0
				148708 Q308_GT1	75.0	73.0	-2.0
				148709 Q308_GT2	75.0	73.0	-2.0
				148710 Q308_ST	150.0	146.0	-4.0
MOSES SOUTH							
147763 MOS17-18	46.4	96.4	50.0	126654 AST 3	150.0	146.0	-4.0
147766 MOS21-22	108.0	158.0	50.0	126658 RAV 2	252.8	245.8	-7.0
				130873 SOMERSET24	658.5	646.0	-12.5
				135800 HNTLY67G	132.0	128.0	-4.0
				135801 HNTLY68G	132.0	128.0	-4.0
				136702 OSWGO 5G	198.0	191.0	-7.0
				136715 SITH-G1	180.0	173.0	-7.0
				136716 SITH-G2	180.0	173.0	-7.0
				136717 SITH-G3	180.0	173.0	-7.0
				136718 SITH-G4	180.0	173.0	-7.0
				136719 SITH-S5	190.0	183.0	-7.0
				136720 SITH-S6	190.0	183.0	-7.0
				148708 Q308_GT1	75.0	70.0	-5.0
				148709 Q308_GT2	75.0	70.0	-5.0

<----- STUDY SYSTEM -----> <----- OPPOSING SYSTEM ----->

<----- GENERATOR MW----->				<----- GENERATOR MW----->			
BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE
NY - ONTARIO				148710	Q308_ST	150.0	140.5 -9.5
126650	AK 3	0.0	11.0	156661	DARLINGTON_G1	928.4	913.4 -15.0
126659	COGENGT1	0.0	3.0	156662	DARLINGTON_G2	931.1	916.1 -15.0
126660	COGENGT2	59.0	60.0	156663	DARLINGTON_G3	920.1	906.1 -14.0
126661	COGENGT3	59.0	60.0	156664	DARLINGTON_G4	888.2	874.2 -14.0
126662	COGENGT4	59.0	60.0	156683	PICK_B_GS-5	507.2	493.2 -14.0
126663	COGENGT5	66.9	67.9	156684	PICK_B_GS-6	508.3	494.3 -14.0
126664	COGENST1	66.9	67.9	156686	PICK_B_GS-8	522.0	508.0 -14.0
129024	NRTPTG1	127.3	135.3				
129025	NRTPTG2	127.3	133.3				
129026	NRTPTG3	127.3	133.3				
129027	NRTPTG4	127.3	132.3				
129095	PTJFEGT2	0.0	1.0				
129096	PTJFEGT3	0.0	1.0				
136702	OSWGO 5G	198.2	216.2				
136703	OSWGO 6G	0.0	18.0				
137456	ATHENSC1	115.0	118.0				
147778	GILBOA#2	0.0	4.0				
147780	GILBOA#4	0.0	11.0				
ONTARIO - NY							
156673	PICK_A_GS-1	0.0	16.0	125190	ROSE GN1	527.1	523.1 -4.0
158740	NANTICOKE_G5	0.0	16.0	126652	RAV 3	894.0	878.0 -16.0
158741	NANTICOKE_G6	0.0	16.0	130873	SOMERSET24	566.3	552.3 -14.0
158742	NANTICOKE_G7	0.0	16.0	131461	CAYUGA 2	130.0	128.0 -2.0
159613	BRUCE_A_GS-1	200.0	218.0	131462	CAYUGA 1	130.0	128.0 -2.0
159614	BRUCE_A_GS-2	200.0	218.0	135800	HNTLY67G	178.0	175.0 -3.0
				135801	HNTLY68G	178.0	175.0 -3.0
				136702	OSWGO 5G	198.3	193.3 -5.0
				136706	HMGENBUS	56.0	55.0 -1.0
				136716	SITH-G2	180.0	175.0 -5.0
				136717	SITH-G3	180.0	175.0 -5.0
				136719	SITH-G5	190.0	186.0 -4.0
				136720	SITH-G6	190.0	185.0 -5.0
				137458	ATHENSC2	115.0	111.0 -4.0
				137459	ATHENSS2	65.0	63.0 -2.0
				137714	BETH STM	225.9	219.9 -6.0
				147797	JAFITZ1G	842.8	823.8 -19.0
NY - NE							
125192	ROSE GN2	265.0	283.0	103060	MIS G1	180.7	175.7 -5.0
126252	ER G7	0.0	4.0	103061	MIS G2	180.7	175.7 -5.0
126379	AST 2	0.0	2.0	103062	MIS ST	178.0	174.0 -4.0
126468	ERGT1	0.0	5.0	105476	NEWINGTON_C1	162.8	159.8 -3.0
166469	ERGT2	0.0	5.0	105477	NEWINGTON_C2	162.8	159.8 -3.0
126650	AK 3	0.0	14.0	105478	NEWINGTON_S1	196.4	193.4 -3.0
126659	COGENGT1	0.0	3.0	105633	GRANITE R ST	231.8	225.8 -6.0
126662	COGENGT4	59.0	60.0	106056	GRANITE RDG1	227.2	222.2 -5.0
126666	COGENST3	0.0	3.0	111063	MYSTIC 7GT	615.5	597.5 -18.0
126737	RNY 7EGT	0.0	2.0	111069	MYSTIC GT 9A	267.6	261.6 -6.0

<----- STUDY SYSTEM -----> <----- OPPOSING SYSTEM ----->

<----- GENERATOR MW----- >				<----- GENERATOR MW----- >			
BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE
126738 RNY 7WGT	0.0	2.0	2.0	111070 MYSTIC 9ST	259.5	253.5	-6.0
126739 RNY 9EGT	0.0	2.0	2.0	111072 MYSTIC GT 9B	242.6	236.6	-6.0
136703 OSWGO 6G	0.0	15.0	15.0	111093 EDGAR GT1	239.4	235.4	-4.0
146840 BOW2	0.0	5.0	5.0	111097 EDGAR GT2	239.4	236.4	-3.0
146841 BOW1	326.5	334.5	8.0	113405 MILLENIUM CT	233.7	231.7	-2.0
147780 GILBOA#4	0.0	11.0	11.0	116420 STONY BRK 1S	85.2	81.2	-4.0
				116505 BERKSHRE_G1	277.0	271.0	-6.0
				116523 MOUNT TOM_G1	159.1	153.1	-6.0
				117434 TIVERTON GT	173.4	168.4	-5.0

NE - NY

100368 YARMOUTH #4	0.0	9.0	9.0	125190 ROSE GN1	524.5	507.5	-17.0
111070 MYSTIC 9ST	259.5	261.5	2.0	125192 ROSE GN2	265.0	256.0	-9.0
111126 KENDALL CT	0.0	6.0	6.0	125193 DANSK G4	200.0	195.0	-5.0
111252 CANAL G2	30.8	52.8	22.0	125194 DANSK G3	125.0	123.0	-2.0
114856 BRAYTN PT 4	0.0	20.0	20.0	125195 DANSK G2	59.5	58.5	-1.0
114861 ANP BLLNGHM1	0.0	5.0	5.0	125196 DANSK G1	60.5	59.5	-1.0
114862 ANP BLLNGHM2	0.0	6.0	6.0	126651 IND PT 2	1030.9	1016.9	-14.0
116413 NORTHFIELD 3	0.0	7.0	7.0	136700 9M PT 2G	1296.4	1284.4	-12.0
116414 NORTHFIELD 4	0.0	6.0	6.0	137702 JMC2ST13	102.1	100.1	-2.0
122043 MIDDLETWN G4	250.0	267.0	17.0	137711 BETHGT1	101.1	98.1	-3.0
				137713 BETHGT3	101.1	98.1	-3.0
				147777 GILBOA#1	260.0	257.0	-3.0
				147797 JAFITZ1G	842.8	832.8	-10.0
				147798 IP#3 GEN	1046.9	1028.9	-18.0

NY - PJM

125192 ROSE GN2	265.0	289.0	24.0				
126666 COGENST3	0.0	8.0	8.0				
126711 SCS18-G6	100.0	107.0	7.0				
128901 BARETG2	161.6	164.6	3.0				
129025 NRTPTG2	189.8	196.8	7.0				
135800 HNTLY67G	132.0	136.0	4.0				
136702 OSWGO 5G	434.9	454.9	20.0				
137460 ATHENSC3	140.0	148.0	8.0				
137559 BES120G1	109.0	116.0	7.0				
137713 BETHGT3	126.1	130.1	4.0				
147780 GILBOA#4	0.0	4.0	4.0				
147787 BLISS2_GE_1G	8.5	9.5	1.0				
147800 BLISS1_GE_1G	21.6	23.6	2.0				
147821 NYPA108	80.3	81.3	1.0				

Scale shift to all
PJM generation

PJM - NY

Scale shift from all
PJM generation

125190 ROSE GN1	419.6	414.6	-5.0
126251 ER G6	94.5	93.5	-1.0
126652 RAV 3	894.0	873.0	-21.0
126692 SCS18-G4	75.0	74.0	-1.0
126710 SCS18-G5	75.0	74.0	-1.0
126711 SCS18-G6	100.0	99.9	-1.0

<----- STUDY SYSTEM ----->				<----- OPPOSING SYSTEM ----->				
<----- GENERATOR MW----- >				<----- GENERATOR MW----- >				
BUS NAME	BASE	SHIFT	CHANGE	BUS NAME	BASE	SHIFT	CHANGE	
				130873	SOMERSET24	217.3	216.3	-1.0
				131461	CAYUGA 2	130.0	128.0	-2.0
				131649	LEA 4S	53.9	51.9	-2.0
				135552	OXBOWNUG	60.5	58.5	-2.0
				136702	OSEGO 5G	168.0	165.0	-3.0
				136715	SITH-G1	105.0	100.0	-5.0
				136716	SITH-G2	105.0	100.0	-5.0
				136717	SITH-G3	130.0	126.0	-4.0
				137459	ATHENSS2	65.0	63.0	-2.0
				137561	BESI20G3	222.3	217.3	-5.0
				147777	GILBOA#1	210.0	204.0	-6.0
				147797	JAFITZ1G	842.8	822.8	-20.0
				148708	Q308_GT1	75.0	72.0	-3.0
				148709	Q308_GT2	75.0	72.0	-3.0
				148710	Q308_ST	150.0	143.0	-7.0

J. DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS

Monitered Element	Base Flow	TRANSFER	NIAGAR-ROCH	SOMMERSET-ROCH	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR	NIAGAR-ROCH
NIAG 345 345 ROCH 345 345 1	497.07	35.88%	TRIP	54.28%	21.51%	20.16%	22.21%	TRIP
SOMERSET345 345 ROCH 345 345 1	609.87	24.47%	44.74%	TRIP	14.67%	13.75%	15.15%	O/S
STOLE230 230 SHLDN230 230 1	208.8	11.15%	7.23%	5.98%	TRIP	5.55%	6.11%	13.08%
LOCKPORT 115 SHEL-113 115 1	71.8	2.77%	4.30%	3.56%	3.52%	TRIP	15.04%	7.79%
LOCKPORT 115 SOUR-111 115 1	67.86	2.81%	4.36%	3.61%	3.57%	13.84%	TRIP	7.89%
LOCKPORT 115 NAKR-108 115 1	55.51	0.99%	1.54%	1.27%	1.26%	3.48%	3.77%	2.78%
LOCKPORT 115 OAKFLDTP 115 1	61.51	1.16%	1.80%	1.49%	1.47%	4.07%	4.40%	3.25%
LOCKPORT 115 TELRD107 115 1	79.96	1.32%	2.05%	1.69%	1.68%	6.10%	6.06%	3.70%
LOCKPORT 115 TELRD114 115 1	79.2	2.77%	4.31%	3.57%	3.53%	18.83%	11.62%	7.80%
PALMT115 115 ANDOVER1 115 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
SUB-TOTALS		83.32%	70.33%	75.45%	51.21%	85.78%	84.34%	46.30%
L33P-L34P	-0.12	0.00%	10.15%	8.39%	8.74%	3.82%	4.21%	18.36%
PJM-NYISO	876.11	16.68%	19.53%	16.16%	40.06%	10.39%	11.45%	35.34%
TOTALS		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitered Element				Base Flow	TRANSFER	CLAY-PANNELL	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH	PANNEL-CLAY
CLAY	345	PANNELL3	345 1	130.54	30.14%	TRIP	10.50%	20.45%	19.20%	O/S
CLAY	345	PANNELL3	345 2	130.95	30.24%	57.56%	10.53%	20.52%	19.26%	TRIP
STOLE230	230	SHLDN230	230 1	208.8	11.15%	3.02%	TRIP	8.30%	2.93%	7.12%
FRMGTN-4	115	PANNELLI	115 1	155.65	3.28%	6.04%	8.51%	TRIP	16.41%	14.23%
SLEIG115	115	S121 B#2	115 1	86.3	2.53%	3.68%	1.95%	10.64%	TRIP	8.66%
S.PER115	115	STA 162	115 1	34.85	0.47%	1.99%	16.81%	4.94%	2.31%	4.69%
MACDN115	115	QUAKER	115 1	34.23	0.31%	0.48%	0.42%	3.29%	20.32%	1.14%
LAWLER-1	115	MORTIMER	115 1	72.57	2.56%	2.73%	1.33%	14.38%	4.08%	6.43%
MORTIMER	115	LAWLER-2	115 1	62.36	2.64%	2.95%	1.16%	6.08%	4.40%	6.94%
PALMT115	115	ANDOVER1	115 1	0	0.00%	O/S	O/S	O/S	O/S	O/S
SUB-TOTALS					83.32%	78.44%	51.21%	88.59%	88.90%	49.19%
L33P-L34P				-0.12	0.00%	7.46%	8.74%	2.43%	3.12%	17.58%
PJM-NYISO				876.11	16.68%	14.10%	40.06%	8.99%	7.98%	33.23%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitered Element	Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	WALDWK-SMAWA	PORTER-RTRDM	HOPATCONG-RAMPO	HUDSON-FARGT	LINDEN-GOETH	WALDWK-SMAWA	HUDSON-FARGT
EDIC 345 N.SCOT77 345 1	530.68	18.29%	TRIP	18.61%	31.79%	0.14%	13.78%	2.34%	1.40%	1.77%	1.19%	2.06%
FRASR345 345 GILB 345 345 1	84.69	16.87%	22.83%	TRIP	23.55%	0.13%	9.68%	2.66%	2.26%	2.66%	0.94%	3.32%
N.SCOT99 345 MARCY T1 345 1	601.17	20.20%	34.05%	20.56%	TRIP	0.16%	15.01%	2.58%	1.55%	1.96%	1.31%	2.28%
ROCK TAV 345 COOPC345 345 2	467.53	16.01%	6.37%	17.38%	6.74%	0.34%	3.75%	3.59%	0.48%	1.03%	2.68%	0.74%
ROCK TAV 345 MDTN TAP 345 1	293.59	13.34%	6.09%	16.16%	6.43%	0.43%	3.57%	2.35%	1.07%	1.40%	1.32%	1.58%
SMAHWAH1 345 WALDWICK 345 1	-471.33	-0.21%	1.26%	0.72%	1.29%	88.09%	0.77%	23.61%	17.79%	10.72%	O/S	25.13%
SMAHWAH2 345 WALDWICK 345 1	-530.73	0.21%	1.26%	0.89%	1.29%	TRIP	0.77%	23.18%	17.00%	10.22%	TRIP	24.01%
PORTER 2 230 ROTRDM.2 230 1	187.27	4.93%	5.66%	3.24%	5.76%	0.04%	TRIP	0.60%	0.37%	0.46%	0.30%	0.54%
PORTER 2 230 ROTRDM.2 230 2	187.24	4.93%	5.66%	3.24%	5.76%	0.04%	32.55%	0.60%	0.37%	0.46%	0.30%	0.54%
CORPORATE DR 138 HCOR138 138 1	-52.89	-0.02%	-0.01%	-0.01%	-0.01%	0.04%	0.00%	0.02%	0.00%	-0.01%	0.01%	-0.01%
MDTN TAP 345 SHOEMTAP 138 1	251.34	4.00%	0.52%	2.02%	0.56%	-0.11%	0.32%	1.79%	-0.81%	-0.50%	1.94%	-1.15%
RAMP138 138 SMAH138 138 1	-68.7	-0.42%	0.00%	-0.18%	-0.01%	2.68%	0.00%	0.43%	0.72%	0.45%	-0.34%	1.02%
SMAHWAH1 345 SMAH138 138 1	-90.32	0.59%	0.00%	0.25%	0.01%	-3.33%	0.00%	-0.41%	-0.98%	-0.64%	0.57%	-1.39%
E.SPR115 115 INGHAM-E 115 1	-25.15	0.89%	-0.20%	2.53%	-0.19%	0.01%	0.89%	0.14%	0.09%	0.11%	0.06%	0.13%
INGMS-CD 115 INGHAM-E 115 1	120.04	0.00%	3.66%	0.73%	3.71%	0.02%	9.28%	0.29%	0.17%	0.22%	0.15%	0.26%
NE_PV20_NY 115 PLAT T#3 115 1	105.81	0.00%	2.82%	1.73%	2.99%	0.04%	3.27%	0.61%	0.38%	0.48%	0.31%	0.56%
BLUHILL 69.0 MONTVALE 69.0 1	3.39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL 69.0 MONTVALE 69.0 2	3.39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69 69.0 SMAH69 69.0 1	-9.61	-0.31%	-0.04%	-0.16%	-0.04%	0.40%	-0.02%	-0.02%	0.13%	0.08%	-0.13%	0.18%
L491T 69.0 MONTVALE 69.0 1	-23.49	0.03%	0.01%	0.02%	0.01%	0.10%	0.01%	0.01%	0.04%	0.03%	-0.02%	0.06%
SPARKILL 69.0 CRESSKIL 69.0 1	-5.36	0.03%	0.01%	0.02%	0.01%	0.02%	0.00%	-0.01%	0.02%	0.02%	-0.02%	0.03%
W.WDB115 115 W.WDBR69 69.0 1	7.24	0.55%	0.47%	1.17%	0.50%	0.00%	0.37%	0.02%	0.11%	0.11%	-0.04%	0.15%
WNYA69 69.0 HCOR69 69.0 1	-1.23	0.11%	0.03%	0.06%	0.03%	0.08%	0.02%	-0.02%	0.08%	0.07%	-0.07%	0.12%
PEARL34 34.5 HCOR34 34.5 1	0.74	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
SUB-TOTALS		100.00%	90.47%	88.98%	90.17%	89.31%	94.00%	64.35%	42.20%	31.09%	10.46%	60.14%
RAMAPO 5 500 HOPATCONG 500 1	188.31	0.00%	3.39%	3.14%	3.48%	3.85%	2.10%	TRIP	10.81%	16.56%	32.00%	16.32%
NEPTCONV 345 NWBRG 345 1	661.1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COGNTECH 345 G22_VFT345KV 345 1	314.37	0.00%	0.39%	0.48%	0.40%	0.28%	0.25%	2.52%	2.94%	16.37%	2.32%	4.36%
B3402 PAR1 345 HUDSON1 345 1	333.05	0.00%	1.93%	2.54%	1.99%	2.70%	1.23%	10.31%	TRIP	17.57%	22.68%	O/S
C3403 PAR2 345 HUDSON2 345 1	331.61	0.00%	2.02%	2.65%	2.09%	2.67%	1.29%	11.14%	31.05%	18.42%	22.45%	TRIP
GOETHALS 230 LINDEN 230 1	335.51	0.00%	1.81%	2.21%	1.87%	1.20%	1.14%	11.68%	12.99%	TRIP	10.09%	19.18%
TOTALS		100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitered Element				Base Flow	TRANSFER	LADNTW-BUCHS	RAMAPO-BUCHN	PLVLLY-MILLW	PLVLLY-FISHK	HUDSON-FARGT	LINDEN-GOETH	ROSETN-FISHK
BUCHANAN S	345	LADENTWN	345 1	-65.32	13.26%	TRIP	53.08%	17.56%	-3.66%	22.75%	19.23%	22.85%
BUCHANAN N	345	RAMAPO	345 1	-221.19	13.39%	40.03%	TRIP	3.07%	-0.21%	15.46%	13.23%	12.55%
E FISHKILL	345	PLTVLLEY	345 1	227.56	8.08%	-6.99%	-0.53%	23.62%	TRIP	0.62%	0.79%	32.13%
E FISHKILL	345	PLTVLLEY	345 2	227.56	8.08%	-6.99%	-0.53%	23.62%	66.23%	0.62%	0.79%	32.13%
MILLWOOD	345	PLTVLLEY	345 1	616.78	17.50%	12.34%	2.86%	TRIP	8.70%	1.75%	2.09%	-8.72%
PLTVLLEY	345	WOOD B	345 1	645.58	17.27%	11.92%	2.84%	34.91%	9.09%	1.76%	2.08%	-8.44%
ROSETON	345	E FISHKILL	345 1	1029.75	19.60%	20.77%	15.12%	-11.27%	15.29%	7.97%	7.33%	TRIP
E FISH I	115	E FISHKILL	345 1	-17.29	1.85%	0.72%	0.67%	-0.41%	2.58%	0.43%	0.42%	6.58%
E FISH I	115	E FISHKILL	345 2	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S	O/S
FISHKILL	115	SYLVN115	115 1	126.71	0.97%	0.56%	0.31%	0.78%	-0.06%	0.19%	0.19%	0.55%
SUB-TOTALS					100.00%	72.36%	73.82%	91.87%	97.96%	51.55%	46.14%	89.63%
B3402 PAR1	345	HUDSON1	345 1	333.05	0.00%	9.70%	8.74%	1.06%	0.14%	TRIP	17.57%	3.74%
C3403 PAR2	345	HUDSON2	345 1	331.61	0.00%	9.83%	8.87%	1.11%	0.15%	31.05%	18.42%	3.81%
GOETHALS	230	LINDEN	230 1	335.51	0.00%	6.06%	5.53%	0.94%	0.13%	12.99%	TRIP	2.54%
COGNTECH	345	G22_VFT345KV	345 1	314.37	0.00%	1.35%	1.23%	0.20%	0.03%	2.94%	16.37%	0.56%
NRTHPT P	138	NRTHPT1	138 1	99.43	0.00%	0.69%	1.80%	4.82%	1.60%	1.47%	1.51%	-0.29%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS											
Monitered Element				Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-JAMAICA	LKSUC-JMAICA	REAC72-MOTT
REAC71	345	MOTT HAVEN	345 3	198.03	30.02%	TRIP	5.37%	25.37%	9.92%	10.68%	64.81%
REAC72	345	MOTT HAVEN	345 4	181.56	27.37%	55.16%	4.90%	23.14%	9.05%	9.74%	TRIP
SPRAINBROOK	345	TREMONT	345 1	372.14	0.00%	0.30%	TRIP	0.54%	4.02%	3.94%	0.40%
SPRAINBROOK	345	ACADEMY	345 1	301.38	0.00%	0.27%	20.72%	0.48%	3.57%	3.49%	0.35%
W 49 ST	345	REACM51	345 1	276.36	21.31%	19.26%	7.24%	TRIP	9.22%	8.75%	0.00%
W 49 ST	345	REACM52	345 2	276.36	21.31%	19.26%	7.24%	43.32%	9.22%	8.75%	27.37%
DUN NO1R	138	S CREEK W	138 1	76.78	0.00%	0.22%	11.75%	0.19%	2.04%	2.03%	0.25%
DUN NO2R	138	S CREEK E	138 1	114.84	0.00%	0.25%	13.46%	0.22%	2.34%	2.32%	0.29%
DUN SO1R	138	E179 ST W	138 1	204.6	0.00%	0.34%	18.46%	0.31%	3.20%	3.18%	0.39%
JAMAICA	138	V STRM P	138 1	107.35	0.00%	0.66%	4.75%	0.81%	TRIP	45.07%	0.81%
JAMAICA	138	L SUCSPH	138 1	209.18	0.00%	0.70%	4.56%	0.75%	44.23%	TRIP	0.83%
SUB-TOTALS					100.00%	96.41%	98.44%	95.14%	96.82%	97.94%	95.51%
B3402 PAR1	345	HUDSON1	345 1	333.05	0.00%	1.29%	0.17%	1.75%	1.05%	0.67%	1.61%
C3403 PAR2	345	HUDSON2	345 1	331.61	0.00%	1.29%	0.17%	1.81%	1.10%	0.71%	1.62%
GOETHALS	230	LINDEN	230 1	335.51	0.00%	0.83%	1.00%	1.06%	0.85%	0.56%	1.03%
COGNTECH	345	G22_VFT345KV	345 1	314.37	0.00%	0.18%	0.22%	0.24%	0.19%	0.12%	0.23%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS

Monitered Element				Base Flow	TRANSFER	MASSEN_CHAT	MASSEN-MARCY	MOSES2-ADRON	MOSES2-ADRONB1
MARCY765	765 MASS	765	1	318.65	68.26%	70.47%	TRIP	39.25%	O/S
ADRON B1	230 MOSES W	230	1	47.45	11.70%	2.64%	18.92%	TRIP	TRIP
ADRON B2	230 MOSES W	230	1	47.48	11.70%	2.64%	18.92%	37.73%	48.77%
ALCOA-NM	115 BRADY	115	1	26	1.35%	0.36%	2.19%	0.87%	1.87%
ALLENS F	115 COLTON	115	1	-32.96	1.91%	0.20%	1.87%	0.76%	1.62%
ANDRWS-4	115 DENNISON	115	1	12.89	2.54%	0.68%	4.11%	1.64%	3.52%
DENNISON	115 LWRNCE-B	115	1	12.44	2.55%	0.68%	4.12%	1.64%	3.52%
SUB-TOTALS					100.00%	77.66%	50.11%	81.90%	59.30%
MOSES E	230 ST_LAWR_L33P	230	1	0.14	0.00%	8.46%	16.33%	5.81%	13.20%
MOSES E	230 ST_LAWR_L34P	230	1	-0.02	0.00%	10.55%	20.37%	7.24%	16.46%
MOSES W	230 WILLIS E	230	1	100.72	0.89%	1.75%	7.41%	2.86%	6.23%
MOSES W	230 WILLIS W	230	1	100.12	0.89%	1.74%	7.37%	2.85%	6.20%
TOTALS					101.78%	100.15%	101.58%	100.65%	101.38%

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS													
Monitered Element				Base Flow	TRANSFER	NHHAR_GEN	YRMTH_GEN	SBRK_GEN	HIGATE_DC	ELLRIVER	MADWAS_DC	ALPS34-MANY	PV.345-LNGMT
NE_393_NY	345	ALPS345	345 1	-107.98	36.78%	19.01%	30.84%	30.56%	21.24%	30.83%	30.83%	TRIP	37.57%
NE_398_NY	345	PLTVLLEY	345 1	94.26	49.78%	49.67%	34.39%	34.79%	22.05%	34.37%	34.37%	45.35%	TRIP
NE_E205W_NY	230	EASTOVER RD	230 1	4.14	9.13%	4.54%	7.82%	7.94%	3.89%	7.81%	7.81%	16.13%	7.97%
NE_PV20_NY	115	PLAT T#3	115 1	-105.81	0.00%	4.14%	7.29%	7.08%	36.09%	7.33%	7.33%	7.76%	5.16%
NE_K7_NY	115	WHITEHAL	115 1	24.94	0.00%	2.33%	4.75%	4.58%	6.84%	4.76%	4.76%	9.26%	4.39%
NE_K6_NY	115	HOOSICK	115 1	-3.22	3.18%	1.54%	2.53%	2.56%	1.32%	2.53%	2.53%	8.50%	2.86%
NE_690_NY	69.0	SMITHFLD	69.0 1	0.4	1.13%	1.08%	0.82%	0.83%	0.51%	0.82%	0.82%	1.20%	2.78%
NE_601_NY	138	NRTHPT P	138 1	33.33	0.00%	5.93%	3.87%	3.91%	2.70%	3.87%	3.87%	3.95%	13.15%
NE_602_NY	138	NRTHPT P	138 2	33.22	0.00%	5.91%	3.86%	3.90%	2.69%	3.86%	3.86%	3.94%	13.11%
NE_603_NY	138	NRTHPT P	138 3	33	0.00%	5.87%	3.83%	3.87%	2.67%	3.83%	3.83%	3.91%	13.02%
SHMHVDCL	192	SHOREHAM2	138 1	330	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitered Element	Base Flow	TRANSFER	PA27-NIAGAR	BP76-PACKD2	STLAWR34-MOSES	STLAWR33-MOSES	BECKB-NIAGAR	BECKA-PA302
NIAG 345 345 BECK_#2_H301 345 1	29.03	31.45%	32.83%	30.48%	7.82%	8.89%	52.39%	TRIP
NIAG 345 345 BECK_#2_H302 345 1	29.03	31.45%	32.83%	30.48%	7.82%	8.89%	TRIP	O/S
NIAGAR2W 230 BECK_#2_PA27 230 1	-68.08	19.26%	TRIP	31.58%	4.71%	5.35%	22.61%	47.49%
PACKARD2 230 BECK_#2_BP76 230 1	10.86	17.85%	27.57%	TRIP	4.28%	4.87%	18.33%	38.50%
MOSES E 230 ST_LAWR_L33P 230 1	-0.14	0.00%	1.00%	TRIP	TRIP	55.41%	1.14%	2.40%
MOSES E 230 ST_LAWR_L34P 230 1	0.02	0.00%	1.24%	1.30%	60.78%	TRIP	1.42%	2.99%
SUB-TOTALS		100.00%	95.48%	93.84%	85.40%	83.40%	95.89%	91.37%
ON-MICH	-4.09	0.00%	4.25%	4.81%	13.56%	15.42%	3.87%	8.12%
TOTALS		100.00%	99.73%	98.66%	98.96%	98.82%	99.76%	99.49%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitered Element	Base Flow	TRANSFER	HOPATCONG-RAMPO	HUDSON-FARGT	LINDEN-GOETH	WALDWK-SMAWA	HMRCTY-STOLL	MAIN-WATER	E. TOWD-HILLS	ERIESO-FALCS	WALDWK-SMAWA	HUDSON-FARGT
RAMAPO 5 500 HOPATCONG 500 1	188.31	0.00%	TRIP	10.81%	16.56%	3.85%	6.35%	9.58%	9.19%	6.22%	32.00%	16.32%
COGNTECH 345 G22_VFT345KV 345 1	314.37	0.00%	2.52%	2.94%	16.37%	0.28%	0.59%	0.88%	0.68%	0.58%	2.32%	4.36%
B3402 PAR1 345 HUDSON1 345 1	333.05	0.00%	10.31%	TRIP	17.57%	2.70%	2.68%	3.97%	3.29%	2.64%	22.68%	O/S
C3403 PAR2 345 HUDSON2 345 1	331.61	0.00%	11.14%	31.05%	18.42%	2.67%	2.83%	4.20%	3.47%	2.79%	22.45%	TRIP
GOETHALS 230 LINDEN 230 1	335.51	0.00%	11.68%	12.99%	TRIP	1.20%	2.76%	4.12%	3.15%	2.72%	10.09%	19.18%
NEPTCONV 345 NWBRG 345 1	661.1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SMAHWAH1 345 WALDWICK 345 1	-471.33	-0.09%	23.61%	17.79%	10.72%	88.09%	3.02%	4.62%	3.66%	2.98%	O/S	25.13%
SMAHWAH2 345 WALDWICK 345 1	-530.73	0.09%	23.18%	17.00%	10.22%	TRIP	2.78%	4.24%	3.35%	2.75%	TRIP	24.01%
SW345 345 26HOMER CY 345 1	132.15	15.48%	1.50%	0.66%	0.92%	0.11%	TRIP	10.23%	2.58%	17.93%	0.93%	0.99%
WATRC345 345 26MAINESBURG 345 1	228.75	24.13%	2.98%	1.29%	1.82%	0.22%	13.47%	TRIP	23.12%	6.54%	1.88%	1.92%
HILSD230 230 26E.TWANDA 230 1	-159.54	21.31%	3.36%	1.26%	1.63%	0.20%	3.99%	27.18%	TRIP	5.35%	1.75%	1.87%
S RIPLEY 230 26ERIE E 230 1	-157.55	19.55%	1.70%	0.76%	1.05%	0.13%	20.73%	5.74%	4.00%	TRIP	1.07%	1.12%
CORPORATE DR 138 HCOR138 138 1	-52.89	-0.01%	0.02%	0.00%	-0.01%	0.04%	0.00%	0.01%	0.00%	0.00%	0.01%	-0.01%
RAMP138 138 SMAH138 138 1	-68.7	-0.19%	0.43%	0.72%	0.45%	2.68%	0.23%	0.36%	0.29%	0.22%	-0.34%	1.02%
SMAHWAH1 345 SMAH138 138 1	-90.32	0.27%	-0.41%	-0.98%	-0.64%	-3.33%	-0.32%	-0.51%	-0.42%	-0.32%	0.57%	-1.39%
FALCONER 115 26WARREN 115 1	-25.78	5.62%	0.52%	0.23%	0.31%	0.04%	14.79%	1.93%	1.89%	19.52%	0.32%	0.34%
N.WAV115 115 26E.SAYRE 115 1	-49.02	7.26%	1.12%	0.43%	0.56%	0.07%	1.55%	8.63%	24.98%	1.71%	0.59%	0.63%
WESTOVER115 115 26LAUREL L 115 1	-61.89	6.65%	1.10%	0.41%	0.54%	0.07%	0.77%	3.72%	9.17%	0.85%	0.58%	0.61%
BLUHILL 69.0 MONTVALE 69.0 1	3.39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL 69.0 MONTVALE 69.0 2	3.39	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69 69.0 SMAH69 69.0 1	-9.61	-0.14%	-0.02%	0.13%	0.08%	0.40%	0.09%	0.15%	0.13%	0.09%	-0.13%	0.18%
SPARKILL 69.0 CRESSKIL 69.0 1	-5.36	0.01%	-0.01%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	0.00%	-0.02%	0.03%
WNYA69 69.0 HCOR69 69.0 1	-1.23	0.05%	-0.02%	0.08%	0.07%	0.08%	0.00%	-0.01%	-0.01%	0.00%	-0.07%	0.12%
PEARL34 34.5 HCOR34 34.5 1	0.74	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
L491T 69.0 MONTVALE 69.0 1	-23.49	0.01%	0.01%	0.04%	0.03%	0.10%	0.00%	0.00%	0.00%	0.00%	-0.02%	0.06%
SUB-TOTALS		100.00%	94.70%	97.63%	96.68%	99.61%	76.30%	89.03%	92.52%	72.57%	96.66%	96.47%
MICH-ON	4.09	0.00%	4.95%	2.22%	3.11%	0.37%	22.25%	10.30%	7.01%	25.85%	3.13%	3.30%
TOTALS		100.00%	99.66%	99.85%	99.78%	99.98%	98.55%	99.33%	99.53%	98.42%	99.78%	99.77%

Table-10a GENERATION SHIFT FACTORS WITH ALL PARS HOLDING MW FLOW

Monitered Element	CENTRAL-EAST	ONT-NYISO	ONT-MICH	PJM-NYISO	WEST-CENTRAL	HOPAT-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1706.95	0.56	-3.97	595.64	916.15	188.18	1078.74	1506.27
DUM1	46.09%	0.00%	0.00%	-9.69%	81.18%	0.00%	22.92%	44.85%
DUM2	46.09%	0.00%	0.00%	-9.69%	81.18%	0.00%	22.92%	44.85%
NIAGARA	46.09%	0.00%	0.00%	-9.69%	81.18%	0.00%	22.92%	44.85%
HUNTLEY	45.89%	0.00%	0.00%	-10.09%	80.30%	0.00%	22.63%	44.63%
OSWEGO	50.80%	0.00%	0.00%	-1.21%	-2.19%	0.00%	29.92%	50.08%
GILBOA	1.56%	0.00%	0.00%	0.15%	0.27%	0.00%	1.28%	1.18%
BETH	-15.75%	0.00%	0.00%	-0.17%	-0.27%	0.00%	11.28%	-13.82%
ATHENS	-5.72%	0.00%	0.00%	-0.04%	-0.07%	0.00%	5.03%	-5.63%
ROSETON	0.29%	0.00%	0.00%	0.00%	0.01%	0.00%	-0.23%	0.27%
BOWLINE	1.31%	0.00%	0.00%	0.01%	0.02%	0.00%	-1.10%	1.26%
INDIANPT2	1.02%	0.00%	0.00%	0.01%	0.01%	0.00%	-0.86%	0.98%
NORWALK	-5.62%	0.00%	0.00%	-0.06%	-0.10%	0.00%	4.33%	-5.23%
BRAYTON	-8.65%	0.00%	0.00%	-0.09%	-0.16%	0.00%	6.54%	-7.99%
SBRK	-9.12%	0.00%	0.00%	-0.10%	-0.17%	0.00%	6.89%	-8.42%
BECK	46.47%	100.00%	0.00%	-8.63%	83.32%	0.00%	23.49%	45.27%
CONEMAUGH	41.74%	0.00%	0.00%	73.97%	39.65%	0.00%	16.54%	40.07%
SALEM	41.61%	0.00%	0.00%	75.29%	38.05%	0.00%	16.34%	39.91%
PORTLAND	41.53%	0.00%	0.00%	75.79%	37.23%	0.00%	16.23%	39.83%
EDDYSTONE	41.60%	0.00%	0.00%	75.33%	37.99%	0.00%	16.33%	39.91%
BRANDON	41.71%	0.00%	0.00%	74.73%	39.24%	0.00%	16.49%	40.03%
KARNS	41.86%	0.00%	0.00%	74.37%	40.91%	0.00%	16.72%	40.20%
ZEEL	41.86%	0.00%	0.00%	74.37%	40.89%	0.00%	16.72%	40.20%
BOWEN	41.83%	0.00%	0.00%	74.39%	40.53%	0.00%	16.67%	40.16%
BAYSHORE	41.88%	0.00%	0.00%	74.39%	41.12%	0.00%	16.75%	40.22%
MTSTORM	41.79%	0.00%	0.00%	74.39%	40.12%	0.00%	16.61%	40.12%
HATFIELD	41.80%	0.00%	0.00%	74.21%	40.27%	0.00%	16.63%	40.13%
NEWTON	41.84%	0.00%	0.00%	74.36%	40.71%	0.00%	16.69%	40.18%
HOPATCONG-RAMAPO	-7.15%	-5.30%	4.95%	8.28%	-6.07%	TRIP	-3.98%	-6.11%

Table-10b GENERATION SHIFT FACTORS WITH ALL PARS HOLDING MW FLOW

Monitered Element	CENTRAL-EAST	ONT-NYISO	ONT-MICH	PJM-NYISO	WEST-CENTRAL	HOPAT-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1706.95	0.56	-3.97	595.64	916.15	188.18	1078.74	1506.27
DUM1	28.56%	-17.35%	16.29%	16.63%	49.02%	10.60%	13.86%	24.70%
DUM2	28.56%	-17.35%	16.29%	16.63%	49.02%	10.60%	13.86%	24.70%
NIAGARA	28.56%	-17.35%	16.29%	16.63%	49.02%	10.60%	13.86%	24.70%
HUNTLEY	27.97%	-17.85%	16.76%	16.94%	46.98%	10.91%	13.43%	24.13%
OSWEGO	40.68%	-9.06%	8.49%	12.61%	-14.01%	4.69%	23.40%	36.49%
GILBOA	-4.30%	-4.19%	3.92%	6.94%	-5.12%	1.07%	-1.82%	-4.77%
BETH	-21.80%	-4.68%	4.38%	6.83%	-5.03%	1.04%	8.74%	-17.24%
ATHENS	-10.01%	-3.26%	3.05%	5.01%	-3.77%	0.01%	2.83%	-9.65%
ROSETON	-1.94%	-1.63%	1.52%	2.55%	-1.90%	-1.79%	-1.31%	-1.82%
BOWLINE	1.32%	0.14%	-0.13%	-0.19%	0.13%	-6.36%	-0.85%	1.11%
INDIANPT2	1.01%	0.11%	-0.10%	-0.15%	0.10%	-5.06%	-0.66%	0.86%
NORWALK	-6.81%	-1.89%	1.77%	2.75%	-1.83%	-0.48%	2.20%	-4.48%
BRAYTON	-14.40%	-3.52%	3.29%	4.99%	-3.13%	0.21%	5.40%	-8.45%
SBRK	-15.68%	-3.79%	3.54%	5.33%	-3.23%	0.37%	5.97%	-8.56%
BECK	29.03%	76.23%	22.32%	23.21%	46.03%	10.55%	14.23%	24.95%
CONEMAUGH	12.85%	9.22%	-8.65%	84.81%	11.52%	19.21%	4.58%	10.95%
SALEM	8.57%	5.97%	-5.58%	90.85%	6.77%	20.88%	2.63%	7.30%
PORTLAND	7.20%	4.27%	-3.99%	93.36%	4.87%	19.47%	1.93%	6.13%
EDDYSTONE	8.54%	5.88%	-5.50%	90.97%	6.68%	21.07%	2.60%	7.27%
BRANDON	11.86%	10.08%	-9.40%	85.41%	10.72%	19.64%	4.22%	10.10%
KARNS	17.90%	25.72%	-24.79%	69.78%	19.23%	16.53%	7.54%	15.18%
ZEEL	17.72%	25.04%	-24.03%	70.41%	18.95%	16.62%	7.43%	15.02%
BOWEN	15.30%	17.13%	-15.55%	77.84%	15.44%	17.86%	6.04%	13.01%
BAYSHORE	17.59%	23.79%	-23.11%	71.48%	18.80%	16.67%	7.34%	14.93%
MTSTORM	13.85%	13.10%	-12.22%	81.73%	13.34%	18.61%	5.23%	11.78%
HATFIELD	14.11%	12.82%	-12.00%	81.62%	13.58%	18.47%	5.33%	12.02%
NEWTON	16.07%	19.28%	-17.41%	75.75%	16.53%	17.46%	6.47%	13.64%
HOPATCONG-RAMAPO	-7.15%	-5.30%	4.95%	8.28%	-6.07%	TRIP	-3.98%	-6.11%