

Appendix 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		38	0	90	0	-1090	-330	-660	-315	-319	-100	125	-2261
PJM	-38		0	0	0	0	0	660	315	319	0	-4806	-3550
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-90	0	0		-800	-1725	330	0	0	0	100	0	-2185
NB/NS	0	0	0	800		-600	0	0	0	0	0	0	200
Trans Énergie	1090	0	1250	1725	600		0	0	0	0	0	45	4710

APPENDIX A
SUMMARY OF SUMMER 2018 BASE TRANSFERS

NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-600
New Brunswick to New England	800
Total Export (+) / Import (-)	200

NEW ENGLAND	
New England to New Brunswick	-800
New England to TransÉnergie: Sandy Pond HVdc	-1500
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 (-)	-2185

NEW YORK ISO	
New York to TransÉnergie	-1090
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	75
New York to PJM: Sithe Allegheny	-37
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	-319
New York to MISO: NYPA to AMP- Ohio	125
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-2561

APPENDIX A SUMMARY OF SUMMER 2017 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	-75
PJM to New York: Sithe Allegheny	37
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	319
Miscellaneous Transfers to Other Areas	-4806
Total Export (+) / Import (-)	-3550

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	600
TransÉnergie to New England: Sandy Pond HVdc	1500
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	1090
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	4710

Appendix B – SUMMER 2018 BASE CASE CONDITIONS

Summer 2018 Conditions

GENERATION FACILITIES (LEVEL OF GENERATION IN CASE)

The status and dispatch level of generation represented in this analysis are a reasonable expectation based on the information available at the time of the study. Those modeling assumptions incorporate known unit outage status.

TransÉnergie HVdc CONVERTER SCHEDULES

Chateaugay HVdc	842 MW	In Service
Sandy Pond HVdc	1500 MW	In Service
Highgate HVdc	225 MW	In Service
Madawaska HVdc	300 MW	In Service
Eel River HVdc	300 MW	In Service

AREA LOADS & LOSSES

NYISO	32,903 MW
ISO-NE	29,918 MW
IESO (Ontario)	25,444 MW
PJM	58,545 MW

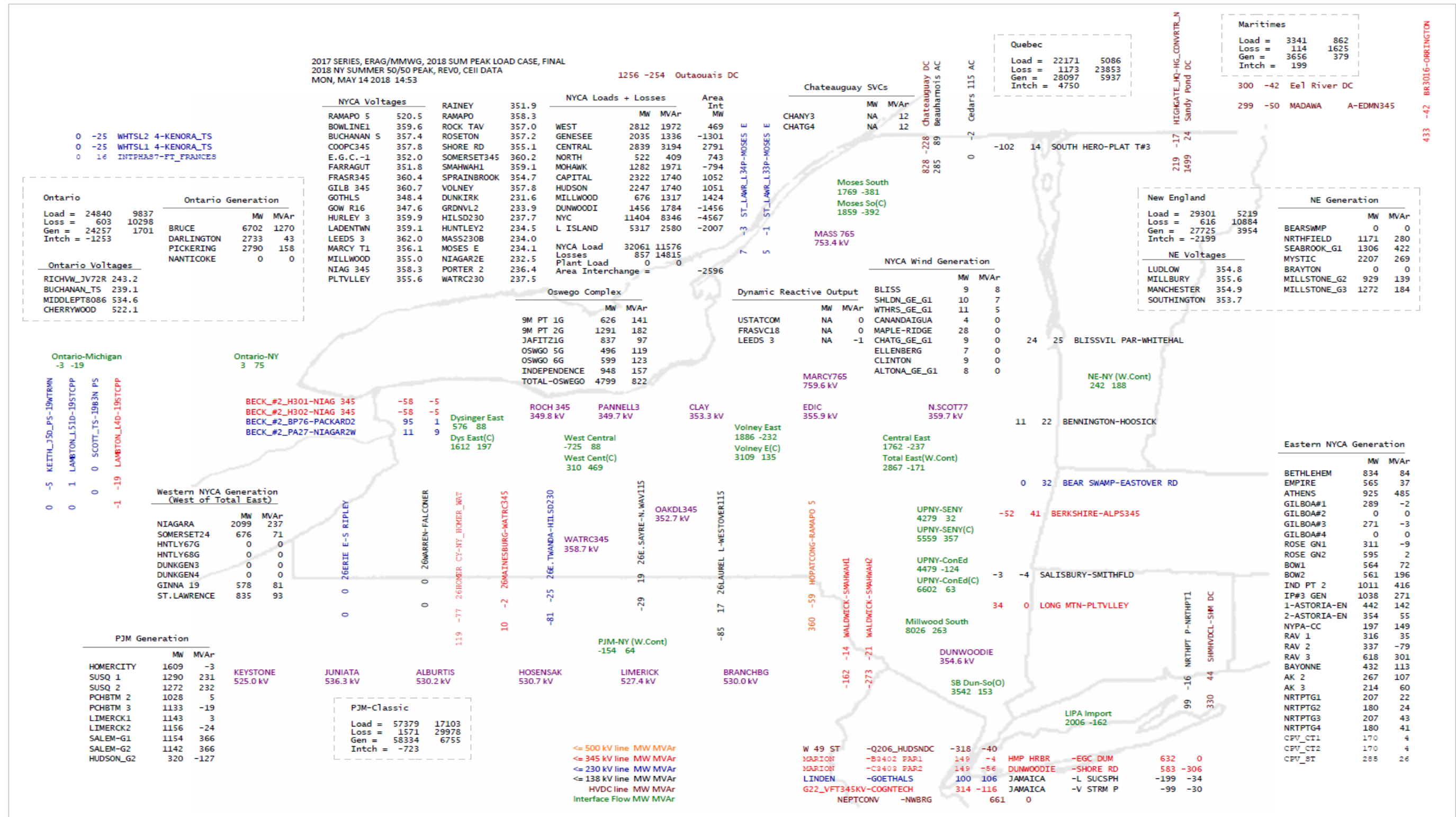
PHASE ANGLE REGULATOR SCHEDULES

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	-100 MW
Jamaica-Lake Success	-200 MW
Hudson-Farragut (B3402)	150 MW
Marion-Farragut (C3403)	150 MW
Linden-Goethals	100 MW
Waldwick-Hinchmans	133 MW
Waldwick-Fairlawn	133 MW
Waldwick-Hillsdale	133 MW
Ramapo PAR #1 (+ to NY)	180 MW
Ramapo PAR #2 (+ to NY)	180 MW

East Garden City #1	315 MW
East Garden City #2	315 MW

Appendix C – POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



Appendix D – RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ACADEMY__138A_138B_PAR8	PAR8	138	251	312	372	325750	150.01
ACADEMY__345_138_TR1	TR1	345	252	316	364	325753	150
ACADEMY__345_138_TR8	TR8	345	252	316	364	325752	150
ADIRNDCK_230_115_BK 1	BK1	115	115	144	172	26697	79.26
ADIRNDCK-CHASLAKE_230_13	13	230	440	478	560	325233	162.13
ADIRNDCK-PORTER__230_12	12-AP	230	440	478	560	25082	180.21
ALBANY__GREENBSH_115_1	1	115	186	208	237	25860	150.6
ALBANY__GREENBSH_115_2	2	115	186	208	237	25868	150.6
ALBANY__TRINITY_115_5	5	115	198	201	201	25861	110.89
ALBANY__TRINITY_115_9	9	115	147	178	258	25872	118.07
ALCOA__BRADY__115_13	13	115	128	147	159	25230	22.43
ALCOA__DENNISON_115_12	12-AD	115	175	202	222	25227	58.49
ALCOA_PA-ALCOA__115_R8105	R8105	115	206	247	310	25202	0.67
ALCOA_PA-GRASRIVR_115_MAL4	MAL4	115	218	253	291	326295	82.68
ALCOA_PA-GRASRIVR_115_MAL5	MAL5	115	218	253	291	326296	82.68
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	78	78	80	26481	10.56
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	97	97	97	26480	17.13
ANDOVER_-PALMITER_115_157-932	157_932	115	79	101	119	25094	13.03
ARCADE__MACHIAS__115_167	151	115	129	148	160	326168	5.46
ASH____-TEMPLE__115_9	9	115	207	233	233	26062	3.92
ASHLEYRD-MASONCR__115_909	909	115	155	179	193	25847	21.42
ASHLEYRD-PLATSBRG_115_700	700	115	174	193	220	25845	43.44
ASTANNEX_138A_138B_PAR1	PAR1	138	347	416	464	325848	74.89
ASTANNEX_345_138_TR1	TR1	345	268	335	393	325847	75
ASTANNEX-ASTORIAE_138_34091	34091	138	236	272	304	325849	74.88

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	499	741	1476	25134	125.12
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	499	741	1476	25142	153.79
ASTORIAE-ASTORIA3_138_34123	34123	138	271	311	400	25876	115.65
ASTORIAE-CORONA__138_34181	34181	138	174	235	368	25277	128.43
ASTORIAE-CORONA__138_34182	34182	138	174	235	368	25278	124.03
ASTORIAE-CORONA__138_34183	34183	138	174	235	368	25279	128.22
ASTORIAE-CORONA__138_34184	34184	138	174	235	368	25280	119.74
ASTORIAE-CORONA__138_34185	34185	138	174	235	368	25281	113.75
ASTORIAE-CORONA__138_34186	34186	138	174	235	368	25282	115.73
ASTORIAW-QUENBRDG_138_28241	28241	138	174	235	368	25315	51.5
ASTORIAW-QUENBRDG_138_28242	28242	138	174	235	368	25316	52.82
ASTORIAW-QUENBRDG_138_28243	28243	138	348	469	688	25317	96.58
ASTORIAW-QUENBRDG_138_28244	28244	138	363	525	688	25318	110.74
ATHENS__PLSNTVLY_345_91	91	345	1331	1538	1724	25054	946.47
AYERREND-TNWD206_115_36	36	115	174	177	178	326367	48.11
AYERREND-TNWD206_115_37	37	115	171	171	171	326370	49.92
BAGATLRD-PILGRIM__138_564	564	138	445	505	573	325607	34.93
BAKER_ST-FALCONER_115_160	160-3	115	176	197	239	26513	12.08
BALLSTON-TAPBLSTN_115_1	1	115	220	252	280	325896	94.04
BALLSTON-TAPBLSTN_115_302	302	115	116	120	145	325897	4.43
BARBEACH-GLENWOOD_69_472	472	69	125	154	170	325219	47.76
BARRETT__138_69__BK 1	BK 1	138	112	139	156	26600	92.9
BARRETT__138A_138B_PAR	B_PAR	138	266	271	325	25590	104.92
BARRETT_-BLDWN_LI_69_359	359	69	99	147	198	26596	65.31
BARRETT_-FREEPORT_138_459	459	138	184	271	325	26425	104.98
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	0.37
BATAVIA_-SEBATVIA_115_117	117	115	220	239	239	26017	18.54
BATH____-MONTRFL__115_965	965	115	124	139	149	26163	29.83
BATH____-SPENCHIL_115_723	723	115	124	139	159	325797	4.87

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BATNKILL-EASTOVER_115_10	10	115	186	214	237	26474	47.26
BEAR SWP-EASTOVER_230_E205W	E205W	230	440	505	555	25030	0.56
BECK____-NIAGARA__230_PA27	PA27	230	400	460	558	25025	11.26
BECK____-NIAGARA__345_PA301	PA301	345	1070	1322	1714	25040	58.22
BECK____-NIAGARA__345_PA302	PA302	345	1070	1322	1714	25041	58.22
BECK____-PACKARD__230_BP76	BP76	230	500	587	588	25024	95.76
BELLMORE-MASSAPEQ_69__566	566	69	100	120	130	26522	32.22
BELLMORE-NEWBRDGE_69__564	564	69	88	117	146	26590	55.32
BENETTRD-E_DUNKRK_115_161	161-3	115	168	185	206	326231	30.27
BENETTRD-E_DUNKRK_115_162	161-3	115	168	185	206	326233	29.23
BENNETT_-MORAINE__115_725	725	115	125	152	179	325858	42.06
BENNETT_-SPENCHIL_115_953	953	115	124	139	159	26164	0.44
BERKSHIR-ALPS____345_393	393	345	1463	1697	1912	25034	52.44
BERKSHIR-NORTHFLD_345_312	312	345	1345	1345	1793	25366	77.2
BERRY_LI-W.BABYLN_69__655	655	69	73	87	92	326359	35.27
BERRY_RD-BAKER_ST_115_160	160-2	115	193	213	240	26512	12.84
BETHLHEM-ALBANY__115_18	18-BA	115	329	369	423	26119	104.8
BETHLMRD-ROCKTVRN_115_RD	RD	115	125	144	155	326346	51.64
BIGTREE_-DAVIS_RD_115_904	904	115	139	163	183	25162	16.08
BIGTREE_-LANGNERD_115_903	903	115	176	196	225	326050	78.54
BLACKRVR-CLIMAX__115_1	1-BC	115	116	120	145	26067	44.61
BLACKRVR-EWATRTWN_115_5	5	115	116	120	145	325771	27.17
BLACKRVR-FORTDRUM_115_2	2-BF	115	116	120	145	26068	26.02
BLACKRVR-GLENPARK_115_3	3	115	119	119	119	325315	24.85
BLACKRVR-LIGHTHSE_115_6	6	115	116	120	145	25506	1.71
BLDWN_LI-BELLMORE_69__459	349	69	99	147	198	326378	9.73
BLISSVIL-WHITEHAL_115_K7	K7	115	187	217	229	25028	24.41
BLUESTOR-LAFARGE__115_8	8	115	116	120	145	326091	25.18
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	129	158	192	25505	39.58

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BLUESTOR-PLSTVYCH_115_8	8	115	116	120	145	25498	22.53
BNNINGTN-HOOSICK__115_K6	K6	115	150	217	239	25029	11.56
BNVLMUNI-PORTER__115_2	2	115	107	107	107	325778	18.8
BOONVLE-BNVLMUNI_115_2	2	115	96	96	96	26073	0.42
BOONVLE-PORTER__115_1	1-BP	115	100	100	100	26074	16.43
BOONVLE-ROME____115_3	3	115	116	120	122	26071	40.92
BOONVLE-ROME____115_4	4	115	105	114	123	26072	47.59
BORDRCTY-GUARDIAN_115_969	969	115	176	179	179	325283	77.52
BOWLINE__345_138_BK455	BK455	345	506	587	671	25664	214.2
BOWLINE_-WHAWSTRW_345_67-1	67-1	345	687	747	747	25567	563.29
BOWLINOR-CONGERS__138_561	561	138	317	363	383	26723	175.01
BRADY__-NOGDNBRG_115_13	13	115	193	213	240	326348	17.02
BRENTWOD-BRGHTWTR_69__763_764	763_764	69	100	120	130	26532	36.56
BRENTWOD-BRGHTWTR_69__769	769	69	100	120	130	26533	61.58
BRENTWOD-PILGRIM__69__660	660	69	83	96	102	26535	49.73
BRENTWOD-PILGRIM__69__765	765	69	236	259	266	26536	62.97
BRENTWOD-PILGRIM__69__768	768	69	83	96	102	26534	49.73
BRGHTWTR-WATSON__69__772_773	772	69	66	83	88	26537	23.95
BRIGHAM_-LUDLUM__115_161	161-2	115	168	185	206	26020	45.34
BRISTLHL-CLAY____115_4	4	115	105	107	107	25518	28.38
BRISTLHL-S.OSWEGO_115_4	4	115	105	114	134	25512	44.34
BROOK_RD-SMITHBRD_115_2	2	115	220	253	280	325901	28.73
BROOK_RD-SMITHBRD_115_302	302	115	220	253	280	325902	18.96
BROOK_RD-TAPBROOK_115_2	2	115	220	253	280	325899	63.17
BROOK_RD-TAPBROOK_115_302	302	115	220	253	280	325900	36.03
BROOKHVN_138_69__BK 1	BK 1	138	227	282	318	26548	95.56
BROOKHVN_138_69__BK 2	BK 2	138	227	282	318	325152	88.33
BROOKHVN-EDWARDVAV_138_864	864	138	259	319	351	25553	152.97
BROOKHVN-SILLSRD__138_874	874	138	395	481	568	325617	135.49

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BROOKHVN-SILLSRD__138_887	887	138	395	436	499	325619	135.08
BROOKHVN-WILDWOOD__138_861	861	138	389	474	560	325932	66.29
BROOKVLE-JERICO__69_473	473	69	66	83	88	326400	1.78
BROWNFLS-HIGLEY__115_1	1-BH	115	102	122	135	26078	42.93
BROWNFLS-TAYLORVL_115_3	3-BT	115	102	120	135	26076	49.87
BROWNFLS-TAYLORVL_115_4	4-BT	115	105	114	134	26077	49.88
BUCHAN_N_345_138_BK TA5	BK TA5	345	195	272	343	25425	103.5
BUCHAN_N-BUCHANAN_138_95891	95891	138	225	273	345	25568	103.45
BUCHAN_N-EASTVIEW_345_W93	W93	345	1722	1894	2404	25133	1208.84
BUCHAN_S-MILLWOOD_345_W97	W97	345	1490	1664	1876	25146	925
BUCHAN_S-MILLWOOD_345_W98	W98	345	1490	1664	1876	25247	925
BUCHANAN-MILLWOOD_138_96951	96951	138	275	302	383	25283	42.67
BUCHANAN-MILLWOOD_138_96952	96952	138	275	302	383	25284	42.67
BUFAL129-MAPLE140_115_38	38	115	145	151	185	326159	83.38
BUFAL129-MAPLE140_115_39	39	115	145	151	185	326160	81.46
BUFALO54-BUFALO61_115_38	38	115	187	215	236	326155	59.09
BUFALO54-BUFALO61_115_39	39	115	174	181	226	326156	57.22
BUFALO61-URBAN154_115_38	38	115	174	181	226	326153	53.89
BUFALO61-URBAN154_115_39	39	115	174	181	226	326154	51.91
BUFALO78-HUNTLEY__115_130	130	115	168	181	206	26043	97.53
BUFALO78-YOUNG214_115_133	133	115	168	185	206	326290	122.12
BULYMO__BOONVLE_115_6	6	115	116	120	145	325265	44.43
BURDECK_-ALTAMONT_115_17	17-BA	115	116	120	145	26151	63.73
BURDECK_-VORHVSLE_115_19	19-BV	115	116	120	145	26152	65.83
BURGOYNE-WHITEHAL_115_6	6	115	107	107	107	326308	8.11
BURNS___138_69_BK 519	BK 519	138	208	258	284	25889	75.13
BURNS___-CORPDRIV_138_702	702	138	189	217	226	325812	101.27
BURNS___-N.HEMPST_138_531	531	138	236	270	285	25878	16.57
BURNS___-NANUET__69_49	49	69	120	138	145	26252	69.87

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BURNS___-WHAUVSTOR_138_541	541	138	236	270	285	25879	81.19
BUTLER___-MOHICAN___115_18	18	115	116	120	145	26434	15.08
C._ISLIP_138_69__BK 3	BK 3	138	228	263	302	26519	111.91
C._ISLIP-PINES___69__759	759	69	142	155	178	26531	8.73
C._ISLIP-RONKOKMA_138_883	883	138	391	476	562	26497	99.8
C_BATNKILL-MULTP-10_115_10	10	115	182	197	237	26121	46.71
CANAL___-DEERFILD_69__972	972	69	107	107	107	325239	44.33
CANAL___-RIVRHEAD_138_910	910	138	217	247	283	325242	146.49
CANANDGA-STONYRDG_230_68	68	230	498	534	566	25176	52.48
CARD____-MILSTONE_345_383	383	345	1488	1912	2097	25332	273
CARMEL___-UNIONVAL_115_991	991	115	215	247	275	26155	67.8
CARMEL___-WOODSTNY_115_992	992	115	215	247	270	325278	101.38
CARR_ST_-BM_CC_GM_115_6	6	115	187	213	236	325216	68.86
CARR_ST_-DEWITT___115_15	15-CD	115	187	213	236	26093	7.97
CARRSCRN-SALAMANC_115_153	153	115	128	147	159	326163	19.57
CARRSCRN-SALAMANC_115_154	154	115	128	147	159	326165	23.34
CASTLEGD-FULLRHLW_115_937	937	115	249	287	319	325222	8.67
CATON___-HILLSIDE_115_960	960	115	102	113	120	325290	33.94
CAVANARD-PORTER___115_7	7	115	116	120	145	325214	54
CEDAR___-BURGOYNE_115_6	6	115	116	120	145	26516	24.55
CEDARS___-ROSEMNTA_115_1/11	43405	115	128	147	159	26083	0
CEDARS___-ROSEMNTB_115_2/22	43153	115	128	147	159	26082	0
CEDRHRST-HEWLETT___69__263	263	69	114	132	146	326318	2.04
CHADWICK-E.WALDEN_115_DW	DW-3	115	176	211	240	26218	26.67
CHADWICK-WBALMVLE_115_DW	DW-2	115	175	193	220	26217	4.92
CHASLAKE-PORTER___230_11	11	230	440	505	516	25051	187.67
CHAT_TAP-LYON_MTN_115_1(911)	911	115	135	159	175	325704	5.91
CHATEAUG-CHAT_TAP_115_911	911	115	38	39	41	325705	9.29
CHATGUAY-MASSENA___765_7040	7040	765	3975	4839	5300	25301	1109.91

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CHEMUNG_-NWAVERLY_115_962	962	115	150	180	205	325289	41.42
CHESTROR-SUGRLOAF_138_271	271	138	236	270	285	325424	33.73
CHRCHTWN-BLUESTOR_115_13-987	13	115	175	179	179	26685	51.61
CHRCHTWN-CRARYVIL_115_984	984	115	113	144	173	26500	23.24
CHRCHTWN-SCHODACK_115_14-984	14/984	115	175	196	196	26126	74.84
CHURCH_S-ROTTDAM_115_10	10-AR	115	116	120	131	26428	23.45
CLAY____345_115_BK 1	BK 1	345	455	606	794	25387	253.86
CLAY____345_115_BK 2	BK 2	345	478	637	794	25421	253.86
CLAY____-DEWITT____115_3	3-CD	115	116	120	139	25519	67.28
CLAY____-DEWITT____115_5	5-CD	115	193	213	240	25522	53.31
CLAY____-DEWITT____345_13	13	345	1109	1344	1529	25168	537.21
CLAY____-EDIC____345_1-16	43116	345	1301	1501	1685	25200	296.3
CLAY____-EDIC____345_2-15	43146	345	1301	1501	1685	25169	297.22
CLAY____-HOPKINS_115_11	11	115	220	252	280	25516	120.64
CLAY____-INDPDNCE_345_26	26	345	1670	1931	2210	25858	909.47
CLAY____-TEALLAVE_115_10	10-CT	115	116	120	145	25520	77.79
CLAY____-WETZEL____115_14	14-CG	115	220	252	280	25517	87.25
CLAY____-WOODARD____115_17	17	115	220	252	280	25515	112.33
CLIMAX_-TAYLORVL_115_8	8-CT	115	105	114	134	26431	10.41
CLINTON_-IMC_TAP____115_15	15-CI	115	116	120	145	26128	14.33
CLRKSCRN_345_115_BK1	BK1	345	235	255	295	325724	41.46
CLRKSCRN_345_115_BK2	BK2	345	235	255	295	325725	41.46
CLRKSCRN-OAKDALE____345_36	36	345	1207	1327	1590	325726	683.86
CLYDE____115_34____TR1	TR1	115	125	143	154	25221	21.44
CLYDE____-STATE_ST_115_3-971	971	115	119	137	149	68810	33.7
COBBLENM-COBBLENY_115_BK 1	BK 1	115	40	41	45	25426	17.39
COBBLENM-SPRINGVL_115_151	151	115	129	148	160	326166	22.13
COBBLENM-SPRINGVL_115_152	152	115	129	148	160	326170	12.88
CODNIGTN-E.ITHACA_115_981	981-1	115	108	128	143	25730	41.92

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CODNIGTN-ETNA____115_998	998	115	227	253	283	25734	80.87
COFFEEN_-EWATRTWN_115_5	5	115	119	119	119	325769	20.71
COFFEEN_-GLENPARK_115_3	3-CG	115	119	119	119	26069	51.33
COLDENHM-ROCKTVRN_115_J	J	115	232	257	304	26420	21.79
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	13
COLLIERS-RICHFELD_115_929	929	115	125	152	215	26169	3.59
COLTON__-FLATROCK_115_2	2-CF	115	114	123	142	26088	43.8
COLTON__-HIGLEY____115_1	1-HC	115	128	147	159	26087	44.52
COLTON__-LITTLRIV_115_7	7	115	76	87	94	26086	0.38
COLTON__-TOWNLINE_115_9	9	115	119	119	119	325641	4.26
COMMACK_-ELWOOD____69_669	669	69	73	87	92	325266	32.52
COMSTKNM-BURGOYNE_115_13	13-MW	115	116	120	145	26484	25.42
CONGERS_-SNKEHLRD_138_563	563	138	317	363	383	25887	136.31
COOPERNY-FERNDALD_115_950	950	115	176	179	179	26171	54.44
COOPERNY-ROCKHILL_115_957	957	115	144	160	173	325614	36.16
COOPERS__345_115_BK 2	BK 2	345	220	261	300	25433	68.88
COOPERS__345_115_BK 3	BK 3	345	220	261	300	25434	69.48
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	438.79
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1464	1793	1793	25110	701.09
CORNING_-MCADOO____115_4	4	115	128	136	137	326380	5.66
CORONA__138A_138B_BK R1	B_BK R1	138	181	253	319	25621	45.03
CORONA__138A_138C_BK R2	C_BK R2	138	181	253	319	25622	45.07
CORONA__-JAMAICA__138_18001	18001	138	143	212	357	25285	45.04
CORONA__-JAMAICA__138_18002	18002	138	143	212	357	25286	45.07
CORONAAV-VALLYSTR_69_265	265	69	100	120	130	26594	63.29
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	78.71
CORTLAND-FENERWND_115_3	3	115	125	143	154	325248	3.58
CORTLAND-TULLERHL_115_1-716	1	115	128	147	159	25059	12.02
CORTLAND-TULLYCTR_115_18	18	115	176	192	192	26089	37.63

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CRESSKL_-SPARKL___69__751	751	69	118	135	142	26504	8.14
CURRY_RD-WOLF_RD___115_8	8	115	116	120	145	26254	10.21
CURTPALM-EJWEST___115_9	9	115	128	147	159	326146	6.46
DALEROAD-GARDNVLB_115_39	39	115	129	181	206	26036	45.81
DANSKAMR-CHADWICK_115_DW	DW-1	115	183	248	279	26219	31.6
DANSKAMR-MARLBORO_115_DB	DB	115	183	215	237	26221	51.28
DANSKAMR-NCHELSEA_115_AC	AC	115	183	211	295	25829	170.57
DANSKAMR-NCHELSEA_115_DC	DC	115	178	199	295	25830	176.75
DANSKAMR-RYNDL_HL_115_DR	DR	115	183	248	279	25831	50.89
DASHVILLE-BOULEVRD_69__O	O	69	45	47	55	26212	3.61
DAVIS_RD-STOLLERD_115_927	927	115	203	226	239	26172	11.49
DEERFLD_-SCOBIE___345_373	373	345	1373	1373	1373	26383	716
DEKALB_-BATTHILL_115_4	4	115	76	87	89	326398	10.85
DELETER-LAKEVIEW_115_141	141	115	88	101	108	325873	17.77
DELETER-LAKEVIEW_115_142	142	115	88	101	108	325880	30.68
DELHI___-DELHI_TP_115_951	951	115	164	164	164	26174	80.43
DELHI___-GR.GORGE_115_916	916	115	90	90	90	26479	11.34
DELHI___-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	18.01
DELHI_TP-COLLIER_115_951	951-2	115	239	239	239	26203	46.07
DENNISON-LAWRNCV_115_5	5	115	220	252	280	25226	28.88
DENNISON-NORFOLK___115_4	4	115	220	252	280	25225	30.13
DENNISON-ROSEMNTA_115_1/11	1-RD	115	176	203	223	25523	0.34
DENNISON-ROSEMNTB_115_2/22	2-RD	115	176	203	223	25524	0.34
DEPEW_NG-ERIE_ST___115_54-921	54-921	115	124	138	158	26010	48.14
DEPEW_TP-DEPEW___115_BK 1	BK 1	115	108	120	120	25428	14.21
DEWITT___345_115_BK 1	BK 1	345	318	318	318	325221	242.5
DEWITT___345_115_BK 2	BK 2	345	517	658	794	25418	242.55
DEWITT___-TEALLAVE_115_4	4-DT	115	116	120	145	26094	52.48
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1704	1852	2195	326310	1055.7

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
DULEY___-PATNODE__230_PND-1	PND-1	230	397	476	504	325856	18.98
DULEY___-PLATSBRG_230_DP-1	DP-1	230	247	277	318	25272	10.21
DUNKIRK__230_115_BK 31	BK 31	230	139	197	248	25386	71.79
DUNKIRK__230_115_BK 41	BK 41	230	133	190	248	25430	71.72
DUNKIRK_-BERRY_RD_115_160	160-1	115	193	213	239	26025	42.14
DUNKIRK_-BRIGHAM__115_161	161-1	115	168	181	206	26021	49.17
DUNKIRK_-BRIGHAM__115_162	162-1	115	168	181	206	26027	41.42
DUNKIRK_-SILVRCRK_115_141	141	115	88	101	108	26026	0.17
DUNKIRK_-SILVRCRK_115_142	142	115	88	101	108	26018	1.57
DUNWODIE_138__138__BK N1	BK N1	138	315	375	433	25624	115.02
DUNWODIE_138__138__BK N2	BK N2	138	194	293	400	25623	115.08
DUNWODIE_138__138__BK S1	BK S1	138	345	491	600	25626	180.18
DUNWODIE-DUNWOODN_345_W74	W74	345	411	494	554	326212	307.95
DUNWODIE-DUNWOODS_345_W73	W73	345	310	387	424	326211	262
DUNWODIE-E179THST_138_99153	99153	138	233	348	617	25287	180.01
DUNWODIE-MOTTHAVN_345_71	71	345	707	833	1298	25151	528.84
DUNWODIE-MOTTHAVN_345_72	72	345	707	833	1298	25191	525.28
DUNWODIE-SHERMCRK_138_99031	99031	138	139	187	303	25193	114.86
DUNWODIE-SHERMCRK_138_99032	99032	138	189	288	393	25239	115.01
DUNWODIE-SHORE_RD_345_Y50	Y50	345	600	862	1526	25091	583.78
DUNWOODN_345_138_BK N1	BK N1	345	411	494	554	25209	307.5
DUNWOODS_345_138_BK S1	BK S1	345	310	387	424	25208	262
DUNWOODS-DUNWOODN_138_99997	99997	138	205	255	311	25532	2.55
E.ITHACA-ETNA____115_981	981	115	108	128	143	25733	83.31
E.SAYRE_-NWAVERLY_115_956	956	115	108	128	143	25013	29.82
E.TWANDA-HILLSIDE_230_70	70	230	483	531	630	25014	81.85
E.WALDEN_115_69__TR_3	TR_3	115	52	69	81	26681	20.59
E.WALDEN-COLDENHM_115_CW	CW	115	232	257	304	26225	8.88
E.WALDEN-MODENA__115_EM	EM	115	232	257	304	25832	17.96

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
E.WALDEN-ROCKTVRN_115_D	D	115	233	265	312	26226	35.15
E_DUNKRK-MOONS_SW_115_161	161-3	115	88	101	108	326232	14.41
E_DUNKRK-MOONS_SW_115_162	161-3	115	88	101	108	326234	17.8
E13THSTA_138_69__BK 9	BK 9	138	163	209	261	26488	0
E13THSTA_345_138_BK 10	BK 10	138	251	280	305	25467	125.98
E13THSTA_345_138_BK 11	BK 11	138	273	288	315	25468	110.9
E13THSTA_345_138_BK 12	BK 12	138	273	288	315	25463	118.12
E13THSTA_345_138_BK 13	BK 13	138	258	320	368	25464	107.4
E13THSTA_345_138_BK 14	BK 14	138	251	280	305	25465	129.2
E13THSTA_345_138_BK 15	BK 15	138	274	312	343	25466	125.29
E13THSTA_345_138_BK 16	BK 16	138	270	304	338	25469	117.66
E13THSTA_345_69__BK 17	BK 17	69	247	321	409	25459	16.52
E13THSTA_69C__69A__BK 112	BK 112	69	79	110	139	25631	10.02
E13THSTA_69D__69A__BK 113	BK 113	69	79	110	139	25632	10.02
E13THSTA_69E__69A__BK 114	BK 114	69	79	110	139	25633	10.02
E13THSTA-EASTRIVR_138_37041	37041	138	148	242	432	326190	9.96
E13THSTA-EASTRIVR_138_37042	37042	138	148	242	432	326191	9.95
E13THSTA-EASTRIVR_138_37043	37043	138	148	242	432	326192	9.96
E13THSTA-EASTRIVR_138_37044	37044	138	148	242	432	326193	9.96
E13THSTA-FARRAGUT_345_45	45	345	745	913	1339	25190	120.2
E13THSTA-FARRAGUT_345_46	46	345	760	927	1350	25251	100.61
E13THSTA-FARRAGUT_345_48	48	345	554	740	1150	25252	83.58
E13THSTA-FARRAGUT_345_B47	B47	345	358	645	1011	25177	23.98
E179THST-HELLGT_E_138_15053	15053	138	165	229	364	25289	16.22
E179THST-HELLGT_E_138_15054	15054	138	165	229	364	25290	16.21
E179THST-HELLTP_W_138_15055	15055	138	210	301	384	25288	210
E179THST-PARKCHTR_138_38X01	38X01	138	169	288	501	25327	15.02
E179THST-PARKCHTR_138_38X02	38X02	138	169	288	501	25328	15.02
E179THST-PARKCHTR_138_38X03	38X03	138	169	288	501	25329	13.1

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
E179THST-PARKCHTR_138_38X04	38X04	138	169	288	501	25330	13.17
EASTOVER_230_115_BK1	TR 1	230	381	494	666	326097	44.52
EASTPORT-RIVRHEAD_69_951	951	69	142	155	178	26589	31.77
EASTPORT-TIANA___69_952_953_95	52/3_95	69	107	107	107	26611	29.77
EASTRIVR_138_69__BK 111	BK 111	138	76	108	159	25526	9.99
EASTRIVR_138_69__BK 112	BK 112	138	76	108	159	25527	9.99
EASTRIVR_138_69__BK 113	BK 113	138	76	108	159	25528	9.99
EASTRIVR_138_69__BK 114	BK 114	138	76	108	159	25529	9.99
EASTRIVR_69B__69A__BK 111	BK 111	69	79	110	139	25630	10.02
EASTVIEW_345_138_BK 1N	BK 1N	138	370	424	424	25472	175.61
EASTVIEW_345_138_BK 1S	BK 1S	138	370	424	424	25373	188.3
EASTVIEW_345_138_BK 2N	BK 2N	138	370	424	424	25471	192.42
EASTVIEW_345_138_BK 2S	BK 2S	138	370	424	424	25470	175.13
EASTVIEW-SPRNBK__345_W64	W64	345	2296	2658	3202	25143	1011.36
EASTVIEW-SPRNBK__345_W65	W65	345	1720	2215	2657	25144	866.64
EASTVIEW-SPRNBK__345_W78	W78	345	2296	2658	3202	25346	814.79
EASTVIEW-SPRNBK__345_W79	W79	345	1720	2215	2657	25153	804.33
EBATAVIA-NO.LEROY_115_119	119	115	139	160	173	26012	23.16
EDIC___-FRASER___345_EF24-40	EF24-40	345	1793	1793	1793	25112	732.4
EDIC___-N.SCTLND_345_14	14	345	1331	1538	1724	25170	545.08
EDIC_PTR_230_115_BK 1P	BK 1P	230	269	320	338	25389	50.18
EDIC_PTR_230_115_BK 2P	BK 2P	230	269	320	338	25423	50.18
EDIC_PTR_345_115_BK 3E	BK 3E	345	455	539	679	25424	160.46
EDIC_PTR_345_115_BK 4E	BK 4E	345	505	629	794	25454	160.46
EDIC_PTR_345_230_BK 2E	BK 2E	230	479	562	683	25422	179.75
EDWARDV-RIVRHEAD_138_893	893	138	258	298	334	325654	128.01
EELPOTRD-MEYER___115_724	968	115	112	131	143	325288	3.87
EFISHKCH_345_115_BK 1	BK 1	345	412	0	530	25724	55.69
EFISHKCH_345_115_BK 2	BK 2	345	450	505	560	325845	0

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
EFISHKIL-WOOD_ST__345_F38	F38	345	1839	2520	3202	25367	861.13
EFISHKIL-WOOD_ST__345_F39	F39	345	1839	2520	3202	25368	939.86
EGRDNCTY_138_69__BK 1	BK 1	138	227	263	302	26652	104.28
EGRDNCTY_345_138_BK 1	BK 1	345	444	513	641	25551	316.47
EGRDNCTY_345_138_BK 2	BK 2	345	444	513	641	25552	314.2
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	444	599	787	25678	316.47
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	444	599	787	25679	314.19
EGRDNCTY-CARLPCE_138_361	361	138	258	298	333	25533	51.99
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	637	900	1329	325158	631.02
EGRDNCTY-NEWBRDGE_138_462	462	138	199	276	484	25303	65.71
EGRDNCTY-NEWBRDGE_138_463	463	138	169	283	346	25304	65.71
EGRDNCTY-NEWBRDGE_138_465	465	138	197	289	350	25535	70.51
EGRDNCTY-NEWBRDGE_69__465_466	465_466	69	52	65	69	26582	6.28
EGRDNCTY-ROSLYN__138_362	362	138	253	292	327	25534	8.07
EJWEST__SCOFDRD_115_9	9	115	193	213	240	326147	45.13
EKINGSTN-RHINEBCK_115_ER	ER	115	175	193	220	26222	34.2
ELBRIDGE_345_115_BK 1	BK 1	345	470	557	717	25448	304.86
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	116	120	145	26097	10.6
ELBRIDGE-GRS_LOCK_115_3	3	115	143	143	143	26098	13.29
ELBRIDGE-HYATT__115_10-979	15-EH	115	129	148	160	25109	60.62
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1517	1830	25149	487.11
ELBRIDGE-MILTON_C_115_18	18-EM	115	129	136	136	26095	8.52
ELBRIDGE-STATE_ST_115_5-972	5-972	115	159	182	206	25107	69.3
ELBRIDGE-STATE_ST_115_6-710	6-710	115	175	182	206	326377	51.91
ELM_ST__-SENECA__230_71	71	230	223	254	262	26426	19.52
ELM_ST__-SENECA__230_72	72	230	223	254	262	26427	19.84
ELWOOD__138_69__BK 3	BK3	138	108	133	156	26540	53.7
ENDICOTT-RANGEHL__115_920	920	115	149	149	149	26158	20.12
ENDICOTT-ROBBLEAV_115_948	948	115	249	254	254	26159	65.69

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ENORWICH-CTYLINE__115_918	918	115	108	120	120	325280	37.78
ENORWICH-JENNISON__115_946	946	115	80	110	131	25729	19.03
ERIE E__-S.RIPLEY__230_69	69	230	480	572	637	25016	0
ERIE_ST_-PAVNMTRD__115_926	926	115	215	240	269	26175	20.62
ETNA____-CLRKSCRN__115_715	715	115	242	255	295	325728	34.82
ETNA____-CLRKSCRN__115_947	947	115	242	255	295	325727	34.82
ETNA____-WILLET__115_945	945-2	115	125	149	156	25731	76.24
FAIRFIEL-INGHAM_C__115_3	3	115	116	120	145	26106	61.45
FAIRPORT-ELBRIDGE__115_2	2	115	145	151	185	26099	33.44
FAIRPORT-HOOK_TAP__115_1	1	115	145	151	157	26327	72.45
FALCONER-SOUTHADOW__115_153	153	115	129	148	160	26033	12.63
FALCONER-SOUTHADOW__115_154	154	115	129	148	160	26032	3.65
FARMGTN__115_12__BK 3	BK 3	115	23	29	44	325380	5.4
FARMGTN__115_34__BK 1	BK 1	115	56	68	99	70259	37.49
FARMGTN__115_34__BK 2	BK 2	115	56	64	84	70258	28.69
FARMGTN_-BORDRCTY__115_4-977	977	115	150	177	193	25057	60.19
FARMGTN_-HAMLTNNM__115_7-983	7-983	115	108	108	108	26101	29.27
FARRAGUT_345A_138C_BK 9X	BK 9X	345	110	155	195	25636	41.73
FARRAGUT_345A_138D_BK 10X	BK 10X	345	110	155	195	25637	86.47
FARRAGUT_345B_345A_TR11	TR11	345	497	705	930	25044	149.62
FARRAGUT_345C_345A_TR12	TR12	345	503	699	930	25043	149.61
FARRAGUT-GOWANUS__345_41	41	345	630	829	1301	25141	519.53
FARRAGUT-GOWANUS__345_42	42	345	630	829	1301	25140	519.53
FARRAGUT-HUDS_AVE_138_32077	32077	138	106	106	106	25291	86.47
FARRAGUT-HUDS_AVE_138_32078	32078	138	114	169	194	25292	42.65
FARRAGUT-HUDS_AVE_138_32711	32711	138	108	144	159	25293	41.86
FARRCKWY-CEDRHRST__69_256	263	69	114	132	146	26566	2.03
FARRCKWY-WOODMERE__69_259	259	69	89	112	118	26597	3.99
FENERWND-ONEIDA__115_8	8	115	146	157	159	25894	12.2

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FERNDAL-WWDBURNY_115_959	959	115	90	90	90	26180	21.96
FEURABSH-GREENBSH_115_17	17	115	176	197	248	25862	17.09
FEURABSH-NCATSKLL_115_2	2-FN	115	116	120	145	25067	66.23
FISHKPLN-EFISHKIL_115_HF	HF	115	198	230	260	26227	36.14
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	203	226	239	25066	122.5
FITZPTRK-EDIC___345_FE-1	FE-1	345	1434	1434	1661	25077	619.21
FIVE_MIL-VALLEY44_115_152	152	115	129	148	160	326174	10.43
FIVE_MIL-VALLEY44_115_167	167	115	129	148	160	326173	6.13
FIVEMILE_345_115_TR1	TR1	345	538	597	597	326175	60.95
FIVEMILE-STOLLERD_345_29	29	345	639	769	840	326176	51.63
FLATROCK-BROWNFLS_115_2	2-FBF	115	102	122	135	26079	46.63
FLATSTR_-EELPOTRD_115_722	968	115	112	131	143	325287	20.79
FLOWRFLD-STONBROK_69_878	878	69	142	155	178	326335	50.35
FORGEBRK-MERTPARK_115_WF	WF	115	166	185	212	26229	82.56
FORTDRUM-DEFERIET_115_2-FD	2-FD	115	116	120	145	26091	6.08
FORTDRUM-TAYLORVL_115_2	2-DT	115	102	114	134	26090	13.34
FOXHILLS-WILLWBRK_138_29211	29211-1	138	182	262	439	25771	106.07
FOXHILLS-WILLWBRK_138_29212	29212-1	138	182	262	439	25772	93.82
FRASANNX-COOPERS___345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	756.41
FRASER___345_115_BK 2	BK 2	345	305	386	420	25391	127.31
FRASER___COOPERS___345_33	33	345	1494	1721	1793	25236	527
FRASER___GILBOA___345_GF5-35	GF5-35	345	1428	1605	1793	25060	33.63
FRASERNY-DELHI_TP_115_951	951-3	115	239	239	239	26202	126.78
FREEPORT-NEWBRDGE_138_461	461	138	228	295	346	25155	149.64
FRESHKLS_138C_138A_R1_21191	21191	138	275	387	486	25639	199.52
FRESHKLS_138C_138B_R2_21192	21192	138	272	372	439	25640	199.62
FRESHKLS_345_138_TA 1	TA 1	138	275	387	486	25457	200.27
FRESHKLS_345_138_TB 1	TB 1	138	272	372	440	25458	200.28
FRNKYONG-NBRDWWYNG_115_181-922	181-922	115	139	163	181	326277	100.35

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FRNKYONG-WALDENNG_115_182	182	115	168	181	206	326279	73.44
FRONT_ST-ROSA_RD__115_11	11	115	200	239	239	26274	78.82
FROST_BR-LONG_MTN_345_352	352	345	1240	1240	1425	25363	190
FROST_BR-SOUTHNGT_345_329	329	345	1240	1446	1601	25364	416.8
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	116	119	145	25502	19.09
FULLRHVL-MORGANRD_115_937	937	115	239	239	239	325223	4.29
GALEVILE-KERHONKS_69__GK	GK	69	121	140	159	326089	8.07
GARDNVLA_115_1___BK6S	BK6	115	304	387	420	325885	40
GARDNVLA_115_1___BK7S	BK7	115	202	253	300	325886	35.3
GARDNVLA-GIRDLERD_115_705	705	115	215	239	239	25116	56.23
GARDNVLA-LANGNERD_115_903	903	115	139	163	183	325284	100.65
GARDNVLA-STOLLERD_230_66	66	230	474	574	665	25180	183.75
GARDNVLB_230_115_BK 2	BK 2	230	258	280	354	25385	105.5
GARDNVLB_230_115_BK 3	BK 3	230	141	182	250	25416	70.59
GARDNVLB_230_115_BK 4	BK 4	230	141	183	250	25417	71.21
GARDNVLB-BETHWEST_115_149	149	115	200	217	260	325317	19.26
GARDNVLB-BETHWEST_115_150	150	115	200	217	260	325318	7.39
GARDNVLB-CLVRBANK_115_141	141	115	88	101	107	26038	38.11
GARDNVLB-CLVRBANK_115_142	142	115	88	101	108	26037	37.93
GARDNVLB-COBBLENM_115_151	151	115	187	199	199	26040	22.27
GARDNVLB-COBBLENM_115_152	152-1	115	187	199	199	26023	30.43
GARDNVLB-DUNKIRK__230_73	73	230	556	584	601	25166	71.76
GARDNVLB-DUNKIRK__230_74	74	230	505	505	505	25197	71.76
GARDNVLB-GARDNVLA_115_T1012	T1012	115	320	343	365	25085	10.57
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	636	739	773	25089	59.42
GARDNVLB-WALDENNG_115_54-921	54-921	115	129	182	236	26035	21.4
GE_R_D__GROOMS__115_20_15	20_15	115	200	217	260	26266	21.96
GELCKHM_-WETZEL__115_14	14-CG	115	220	252	280	326189	69.68
GETZVL60-AYERREND_115_36	36	115	174	181	226	26049	71.07

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GILBOA__-LEEDS___345_GL3	GL3	345	1428	1605	1971	25219	498.25
GILBOA__-N.SCTLND_345_GNS-1	GNS-1	345	1428	1605	1866	25052	92.97
GINNA__-PANNELRG_115_912	912	115	227	251	264	25260	42.27
GINNA__-S124_____115_913	913	115	251	301	354	26281	129.92
GINNA__-STA_135_115_909	909	115	226	249	269	325837	82.83
GINNA__-STA_135_115_937	937	115	226	249	269	325838	82.83
GINNA__-STA_204_115_908	908-1	115	252	302	355	26282	92.67
GINNA__-STA_204_115_911	911	115	251	300	354	26283	147.27
GIRDLERD-STOLLERD_115_706	706	115	203	226	239	325161	19.44
GLDNBRGD-CROTONFL_115_991	991	115	215	247	275	326416	7.55
GLENHEAD-ORCHARD__69_458	458	69	73	87	92	26577	26.93
GLENWDGT-ROSLYN___138_364	364	138	253	310	342	25556	39.01
GLENWOOD_138_69__BK 5	BK 5	138	112	138	156	25735	83.97
GLENWOOD_138_69__BK 6	BK 6	138	112	138	156	70637	81.24
GLENWOOD-BROOKVLE_69_457	457	69	66	83	88	26579	30.62
GLENWOOD-CARLPCE_138_363	363	138	254	312	344	25554	21.88
GLENWOOD-GLENWDGT_138_366	366	138	252	309	341	25555	52.09
GLENWOOD-MTCHGRDN_69_478	478	69	118	155	178	26581	1.41
GLENWOOD-NEWCASSL_69_487	487	69	100	120	130	26580	37.28
GLENWOOD-ORCHARD__69_530	530	69	125	154	170	26578	41.84
GOETHALS_345A_345B_BK 1N	BK 1N	345	688	843	1056	25641	99.89
GOETHALS-FRESHKLS_345_21	21	345	919	1006	1286	25138	93.35
GOETHALS-FRESHKLS_345_22	22	345	981	1390	1602	25137	93.35
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	429.3
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	429.3
GOETHSLN_345/230_BK 1	BK 1	345	528	727	817	25642	100
GOLAH__-MORTIMER_115_110	110	115	130	136	159	26034	76.22
GOLAH__-MORTIMER_69_109 EQ	109 EQ	69	51	56	91	69242	10.21
GOUDEY__-ROBBLEAV_115_940	940	115	238	277	305	325166	49.98

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GOUVNEUR-BATTHILL_115_8	8-GBH	115	76	87	94	26066	26.11
GOWANUS__138A_138B_PAR R14	PAR R14	138	248	335	421	25794	139.76
GOWANUS__138A_138B_PAR R2	PAR R2	138	245	302	347	25793	139.86
GOWANUS__345_138_BK T14	BK T14	138	248	335	421	25475	140.21
GOWANUS__345_138_BK T2	BK T2	138	245	302	347	25476	140
GOWANUS_-GOETHALS_345_25	25	345	492	702	1211	25139	386
GOWANUS_-GOETHALS_345_26	26	345	492	702	1211	25571	0
GOWANUS_-GREENWD__138_42231	42231	138	254	302	347	25214	139.86
GOWANUS_-GREENWD__138_42232	42232	138	237	289	338	25215	139.76
GOWANUSA-GREENWD__138_42G24	42G24	138	244	268	268	26007	207.64
GOWANUSC-GREENWD__138_42G13	42G13	138	239	268	268	26006	199.27
GOWANUSN_345KV_REA_R41_REACTR	R41_REA	345	687	896	1315	26001	0
GOWANUSS_345KV_REA_R42_REACTR	R42_REA	345	687	896	1315	26003	0
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	125	152	193	26478	6.61
GREENBSH-FT._ORAN_115_15	15	115	186	199	199	26130	54.69
GREENBSH-RVSD_TAP_115_4	4	115	176	211	239	325649	0
GREENBSH-STEPHTWN_115_993	993	115	116	120	145	26447	0
GREENDGE-FLATSTR__115_968	968	115	108	128	143	26185	37.72
GREENDGE-MONTRFL__115_967	967	115	108	128	143	26184	34.3
GREENDGE-MONTRFL__115_970	970	115	124	139	159	26183	40.01
GREENLWN_138_69__BK5	BK5	138	108	133	156	26655	43.7
GREENLWN-ELWOOD__138_673	673	138	365	480	567	25546	78.54
GREENLWN-ELWOOD__69_668	668	69	73	87	92	26559	1.04
GREENLWN-SYOSSET__138_676	676	138	246	353	564	25548	32.97
GREENWD_-FOXHILLS_138_29231	29231	138	174	235	368	25321	12.11
GREENWD_-FOXHILLS_138_29232	29232	138	174	235	368	25322	27.61
GRISLD64-NIAGB130_115_182	182	115	174	181	226	26014	117.79
GRMVL-CH-HONK_FLS_69__HG-1	HG-1	69	33	33	33	26233	16.32
GRMVL-CH-WDELV_TP_69__HG	HG	69	39	41	49	26232	6.42

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GROOMS_-JOHNSON__115_13-14	13	115	220	252	280	26267	74.57
GRS_LOCK-GELCKHM__115_8	8-GS	115	116	120	145	26103	61.32
GRS_LOCK-S.OSWEGO_115_9	9-GS	115	135	135	135	25510	88.09
GRS_LOCK-TILDEN___115_16	16-GT	115	116	120	145	26102	29.83
GRTNECK_-PORTWASH_69__484	484	69	66	83	88	325217	19.03
GRUMMAN_-SYOSSET__69__558_552	558_552	69	66	83	88	26599	33.96
GUARDIAN-HALEYRD__115_969	969	115	176	179	179	26167	71.85
HALEYRD_-GREENDGE_115_969	969	115	176	179	179	325294	44.23
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	155	167	169	26096	139.97
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	30	37	56	25394	10.84
HAMRHILL-INDK-OSW_115_6	6-HI	115	114	120	142	26114	59.01
HANAWAFL-COLTON___115_5	5	115	182	197	248	326185	24.03
HANCOCK_-HAZEL___115_955	955-1	115	102	113	120	26187	0
HARNGCRN-W.NYACK__69__701	701	69	118	135	142	26259	2.17
HARRIMAN-HILLBURN_69_31_311	31_311	69	139	197	258	26261	22.12
HARSNRAD-ROBNSNRD_115_907	907	115	215	247	275	26162	32.63
HAUPPAUG-C._ISLIP_138_889	889	138	210	304	345	25681	43.99
HAZEL___-FERNDALE_115_955	955-2	115	102	113	120	26181	9.78
HDSNBRDG-DEWITT___115_10	10	115	207	233	233	325260	74.75
HDSNBRDG-DEWITT___115_7	7	115	237	274	318	325261	52.59
HELLGT_E-ASTORIAE_138_34051	34051	138	174	235	368	25323	16.23
HELLGT_E-ASTORIAE_138_34052	34052	138	174	235	368	25324	16.21
HELLGT_W-ASTORIAW_138_24051	24051	138	160	250	436	25210	25.16
HELLGT_W-ASTORIAW_138_24052	24052	138	160	250	436	25211	29.56
HELLGT_W-ASTORIAW_138_24053	24053	138	140	186	186	25212	132.3
HELLGT_W-ASTORIAW_138_24054	24054	138	140	186	186	25213	132.64
HELLGT_W-ASTORIAW_138_24056	24056	138	158	253	258	26461	25.2
HEWLETT_-VALLYSTR_69__260	260	69	107	132	146	325286	42.78
HICKLING-CATON___115_958	958	115	102	113	120	26189	14.42

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HICKLING-YAWGERRD_115_964	964	115	125	134	148	26188	28.54
HIGH_FLS-KERHONKS_69__FK	HK	69	45	47	55	326088	12.07
HILLBURN_138_69__BK 317	BK 317	138	187	230	265	26330	67.43
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	67.43
HILLBURN-RINGWOOD_69__89	89	69	118	135	142	26262	19.2
HILLBURN-S.MAHWAH_69__65	65	69	139	159	167	26263	37.57
HILLSIDE-CHEMUNG__115_962	962	115	150	176	179	25726	44.08
HILLSIDE-WATRCURE_230_69	69	230	550	637	657	25181	233.57
HINMAN__HARSNRAD_115_908	908	115	238	287	306	26161	140.58
HISHOLDN-STONCREK_230_81	81	230	417	479	533	325622	61.13
HOLBROOK_138_69__BK 1	BK 1	138	227	263	302	69378	129.14
HOLBROOK_138_69__BK 2	BK 2	138	99	122	136	69376	54.38
HOLBROOK-HOLT_8KU_69__857	857	69	125	154	170	26545	35.44
HOLBROOK-HOLT_8KU_69__866	866	69	125	154	170	26546	35.8
HOLBROOK-MCARTHUR_69__859	859	69	142	155	178	26556	75.38
HOLBROOK-NSHORBCH_138_884	884	138	330	382	437	25341	5.5
HOLBROOK-PORTJEFF_69__864_876	864_876	69	114	132	146	26607	2.02
HOLBROOK-PORTJEFF_69__865_875	865_875	69	114	132	146	26608	26.3
HOLBROOK-SILLSRD__138_872	872	138	441	488	595	25340	1.19
HOLBROOK-WEST BUS_138_888	888	138	496	543	622	25542	351.19
HOLT_8KU-CORAM____69__874	874	69	100	120	130	26551	29.78
HOLT_8KU-HOLTS_8G_69__856_852	856_852	69	100	107	107	26552	59.49
HOLTSVLE-UNIONAVE_138_818	818	138	181	231	264	25584	84.05
HOLTSVLE-WEST BUS_138_876	876	138	298	327	374	325974	214.3
HOLTSVLE-WEST BUS_138_877	877	138	481	527	603	325909	214.34
HOMER C_-HOMR_NYW_345_48	48	345	1287	1534	1622	326213	281.4
HOMER_HL-FIVE_MIL_115_169	169	115	221	256	287	26452	22.14
HOMER_HL-FIVE_MIL_115_170	170	115	221	256	287	26022	22.14
HOMER_HL-NILE____115_157	157-1	115	88	101	108	26041	16.76

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HOMR_NYW-PIERC_NY_345_48	48	345	1287	1534	1622	326214	281.41
HOMRC_NY-MAINS_NY_345_47	47	345	1207	1404	1703	326121	119.31
HONK_FLS-KERHONKS_69__HK	FK	69	45	47	55	26237	15.44
HONK_FLS-KERHONKS_69__MK	MK	69	45	47	55	326087	14.14
HOPATCON-RAMAPO__500_5018	5018	500	999	1301	1713	25019	359.66
HOPKINS_-TEALLAVE_115_11	11	115	220	239	239	26105	85.89
HUDS_AVE-JAMAICA__138_701	701	138	147	221	360	25294	79.21
HUDS_AVE-JAMAICA__138_702	702	138	147	221	360	25295	79.21
HUDSON__-PLSTVYCH_115_12	12-HP	115	129	157	159	25499	43.32
HUDSON__-VALKIN__115_15	15	115	186	214	237	26514	77.08
HUDSONP_-FARRAGUT_345_B3402	B3402	345	432	614	801	25020	149.6
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	318.78
HUNT____-STRLFRST_69_99	99	69	118	135	142	326299	18.04
HUNTLEY_-BUFAL129_115_38	38	115	145	151	185	26047	86.75
HUNTLEY_-BUFAL129_115_39	39	115	145	151	185	26044	84.85
HUNTLEY_-ELM_ST__230_70	70	230	432	477	491	25855	65.58
HUNTLEY_-SAWYER__230_79	79	230	566	654	755	25127	258.9
HUNTLEY_-SAWYER__230_80	80	230	566	654	755	25128	311.54
HUNTLEY_-SWETH224_115_37	37	115	148	148	148	26045	3.72
HUNTLEY_-YOUNG214_115_36	36	115	168	176	176	26046	2.42
HURLYAVE_115_69__TR 3	TR 3	115	95	118	149	25837	40.73
HURLYAVE_345/115_BK 1	BK 1	345	419	481	488	25419	193.4
HURLYAVE-BOULEVRD_69__I	I	69	61	67	74	26213	11.47
HURLYAVE-LINCNP RK_115_HP	HP	115	198	230	260	25833	85.81
HURLYAVE-ROSETON__345_303	303	345	1396	1623	1870	25218	436.09
HURLYAVE-STURGNPL_115_HS	HS	115	169	186	191	25834	48.37
HYATT____115_34__BK 1	BK 1	115	54	67	100	70329	15.55
HYATT____-BORDRCTY_115_10-979	979	115	129	148	160	25106	44.4
IMC_TAP_-MECO____115_15-IM	15-IM	115	125	143	154	26132	23.58

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
INDCORTH-SPIERFLS_115_18	18	115	278	321	368	26149	117.87
INDK-OSW-LIGHTHSE_115_2	2-ILH	115	114	120	142	25503	23.33
INDN_PT3-BUCHAN_S_345_W96	W96	345	1574	1762	1991	25570	1006.17
INDPDNCE_345_18__TB 5	MT 5	345	215	235	255	68303	166.64
INDPDNCE_345_18__TB 6	MT 6	345	215	235	255	68304	166.64
INDPDNCE-SCRIBA__345_25	25	345	1670	1931	2210	25859	29.21
INGCALTN-DEPEW_NG_115_54-921	54-921	115	129	182	239	326276	62.35
INGHAM_C_115_115_PAR 2	PAR 2	115	167	197	239	25242	119.93
INGHAM_C-INGHAM_E_115_R81	R81	115	182	197	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7	115	79	105	131	25061	20.24
INGHAM_E-IMC_TAP__115_15	15-II	115	105	114	134	25871	38.49
INGHAM_E-STJHNVLE_115_6	6-IS	115	86	90	107	26133	37.51
INGHAM_E-STONER__115_9	9-IS	115	105	114	134	25863	17.75
JAMAICA_-LAKSUCSS_138_903	903	138	240	328	428	25090	199.38
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	268	358	441	25048	99.51
JENNISON_115_46__BK 1A	BK 1A	115	52	52	53	69462	14.98
JENNISON-HANCOCK__115_954	954	115	102	113	120	26186	27.96
JENNISON-KATTLVLE_115_943	943	115	110	139	159	25898	41.42
JENNISON-SIDNEYRR_115_949	949	115	80	110	120	26173	20.71
JOHNSON_-MAPLEWOD_115_12	12	115	220	239	239	26268	94.7
KATONAH_-AMAWALK__115_995	995	115	215	247	275	325279	27.7
KATONAH_-GLDNBRGD_115_991	991	115	215	247	275	26157	22.54
KENTAVE_-GREENWD__138_31232	31231-2	138	174	226	247	25299	74.14
KINTIGH_-ROCHESTR_345_SR1-39	SR-1	345	1301	1501	1685	25073	318.27
KNAPPCRN_115_69__TR 2	TR 2	115	38	49	60	25838	9.04
KNAPPCRN-PLSTVYCH_69__G	G	69	45	47	55	26239	17.75
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	198	226	260	26240	37.61
KNAPPCRN-SPACKILL_115_SK	SK	115	198	226	260	325777	9.6
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	6.61

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LADENTWN-BOWLINE__345_68	68	345	687	747	747	25249	345.4
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1703	1894	2404	25185	843.83
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1720	2215	2657	25248	328.16
LAFAYTTE-CLRKSCRN_345_4-46	16893	345	1207	1327	1479	25049	770.06
LAFAYTTE-DEWITT__345_22	22	345	1164	1164	1164	25174	292.9
LAKEVIEU-CLVRBANK_115_142	142	115	88	101	108	325881	30.94
LAKRD_OR-RINGWOOD_69_981_982	981_982	69	117	133	141	326313	27.4
LAKSUCSS_138_69__BK 5	BK 5	138	227	263	302	26603	127
LAKSUCSS_138_69__BK 6	BK 6	138	227	263	302	325098	116.13
LAKSUCSS_138A_138B_PAR	B_PAR	138	297	356	427	25593	200.41
LAKSUCSS-GRTNECK__69__414	414	69	101	149	251	325846	37.29
LAKSUCSS-GRTNECK__69__479	479	69	73	96	110	26587	41.53
LAKSUCSS-GRTNECK__69__480	480	69	124	154	170	26588	43.05
LAKSUCSS-SPERRY__69__481	481	69	89	113	124	26586	32.8
LANGDON_-NORTHSDE_115_936	936	115	176	196	225	26160	56.34
LAUREL L-GOUDEY__115_952	952	115	108	128	143	25012	87.01
LAURLEGY-SCOV RCK_345_384	384	345	717	1004	1219	26389	379.2
LAWRNCAV-HANAWAFL_115_5	5	115	182	197	248	26085	21.06
LAWRNCAV-SUGARISL_115_4	4	115	220	252	280	326186	19.08
LEEDS__-ATHENS__345_95	95	345	1331	1538	1724	25789	39.31
LEEDS__-HURLYAVE_345_301	301	345	1396	1623	1870	25055	629.49
LEEDS__-PLSNTVLY_345_92	92	345	1331	1538	1724	25056	946.62
LEVITTWN-BETHPAGE_69__570	570	69	125	154	170	26523	40.81
LEVITTWN-GRUMMAN_69__573	573	69	100	120	121	26583	48.64
LEVITTWN-PLAINDGE_69__571	571	69	142	155	178	26521	69.41
LIGHTHSE-EWATRTWN_115_5	5	115	116	119	119	25504	5.61
LIGHTHSE-MALLORY__115_7	7-CL	115	108	108	108	25521	31.96
LINCNP RK-EKINGSTN_115_LR	LR	115	194	214	240	26223	46.67
LINDEN__-GOETHALS_230_A2253	A2253	230	541	715	845	25017	100.01

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LINDHRST-W.BABYLN_69__753	753	69	73	87	92	326344	2.14
LITTLRIV-COLTON__115_8	8	115	76	87	94	25514	0.64
LITTLRIV-PYRITES__115_7	7	115	76	87	94	326402	12.23
LNGRD209-GARDNVLB_115_180	180	115	160	166	206	326282	111.68
LNGRD209-GRISLD64_115_182	182	115	200	208	265	326283	139.2
LOCKPORT-HINMAN__115_100	100	115	220	252	280	25087	102.32
LOCKPORT-N.AKRON__115_108	108	115	130	136	165	25266	26.13
LOCKPORT-OAKFIELD_115_112	112	115	131	144	158	25300	25.19
LOCKPORT-SHELBY76_115_113	113	115	143	165	180	25263	21.89
LOCKPORT-TELGRAPH_115_107	107	115	220	252	280	25265	42.97
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	14.78
LOCKPORT-TELGRAPH_115_114	114-1	115	143	165	180	25264	26.75
LOCUSTGR-NEWBRDGE_138_558	558	138	321	472	575	25158	293.62
LOCUSVLY-OYSTERBY_69__532	532	69	73	87	92	326114	2.38
LONG_MTN-PLSNTVLY_345_398	398	345	1135	1313	1596	25033	34.72
LONG_MTN-PLUM TRE_345_321	321	345	1434	1649	1936	25720	155
LOGLANE-LAFARGE__115_6	6	115	116	120	145	25864	45.6
LOVETT__138_69__BK 147	BK 147	138	94	130	149	26331	35.81
LOVETT__-BOWLINOR_138_56	56	138	234	267	281	25877	38.41
LOVETT__-CEDAR_OR_69__55	55	69	95	108	114	25886	33.89
LOVETT__-STONYPNT_138_54	54	138	236	270	285	25885	9.43
LOWVILLE-BOONVLE_115_5	5-LB	115	105	114	134	26075	43.7
LUDLOW__-CARP HL_345_301	301	345	1240	1416	1489	25722	51.9
LUDLOW__-NORTHFLD_345_354	354	345	1434	1649	1936	25713	642.1
LUDLUM__-BENETTRD_115_161	161-3	115	168	185	206	326230	40.99
LUDLUM__-BENETTRD_115_162	162-2	115	168	185	206	326229	39.75
LUTHERFT-MALTA____115_1	1	115	197	256	287	325889	74.36
LUTHERFT-MALTA____115_302	2	115	197	256	287	325890	37.94
LUTHERFT-MULBRYNM_115_3	3	115	254	294	333	26477	3.65

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LUTHERFT-MULBRYNM_115_308	308	115	189	228	252	325742	72.71
LYON_MTN-KNTFSRNC_115_1(911)	911	115	125	151	175	26205	7.11
MACHIAS_-VALLEY44_115_152	152	115	129	148	160	326172	3.49
MACHIAS_-VALLEY44_115_167	151	115	124	138	158	326169	6.11
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	10.66
MALLORY_-WETZEL___115_7	7-CL	115	155	155	155	326206	9.06
MALONE_-NICHVLVLE_115_3	3-NM	115	129	163	183	25585	11.44
MALONE_-WILLIS___115_MW1-910	1-MW	115	129	159	175	25586	66.04
MALTA___-TAPBLSTN_115_1	1	115	220	252	280	325891	74.36
MALTA___-TAPBLSTN_115_302	302	115	220	252	280	325892	22
MANCHSTR-SPACKILL_115_MC	MC	115	198	230	260	325776	21.68
MAPLE140-BUFALO54_115_38	38	115	174	181	226	326157	63.79
MAPLE140-BUFALO54_115_39	39	115	174	181	226	326158	62.1
MAPLEWOD-WTRVLARS_115_19	19	115	129	182	239	25870	57.96
MAPLEWOD-WTRVLARS_115_31	31	115	129	176	224	25844	70.38
MARCY___765_345_AT2	BK 2	765	1488	1650	1756	25456	651.66
MARCY___765_345_BK 1	BK 1	765	1488	1650	1756	25455	741.95
MARCY___-EDIC___345_UE1-7	UE1-7	345	1488	1650	1971	25229	585.63
MARCY___-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	778.52
MARCY___-N.SCTLND_345_18	18	345	1488	1650	1971	25276	594.06
MARION_-FARRAGUT_345_C3403	C3403	345	414	589	767	25038	149.62
MARSHVLE-CLINTON___115_12	12	115	125	143	154	325267	3.77
MASSAPEQ-STERLING_69_567	567	69	125	154	170	26525	32.38
MASSENA_765_230_AT1	BK 1	765	936	1197	1872	25665	146.63
MASSENA_765_230_AT2	BK 2	765	936	1197	1872	25666	146.4
MASSENA_-MARCY___765_MSU1	MSU1	765	5115	5316	5411	25224	1393.6
MCADOO_-DEKALB___115_4	4	115	76	87	89	26064	8.11
MCADOO_-LITTLRIV_115_8	8	115	76	87	94	326404	0.61
MCADOO_-MCINTYRE_115_8	8	115	75	75	75	326410	0.52

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MCARTHUR-BAYPORT__69__776	776	69	73	87	92	326409	20.08
MCINTYRE-CORNING__115_6	6	115	128	136	137	26108	0.77
MCKNOWNV-NEWKRMKL_115_8	8	115	248	277	317	26499	116.15
MECO____-CHURCH_S_115_10	10-AM	115	125	130	130	26120	2.04
MENANDS_-REYNOLDS_115_2	2-MR	115	217	250	280	26135	127.88
MENANDS_-RIVERSDE_115_3	3-MR	115	226	274	326	26134	120.53
MENANDS_-WTRVLARS_115_19	19	115	128	147	159	326246	61.7
MERTPARK-WICCOPEE_115_WP	WP	115	194	214	240	325772	52.74
MEYER____115_1__BK4S	BK4S	230	235	286	336	325766	13.6
MEYER____230_1__BK4P	BK4P	230	235	286	336	325765	24.4
MEYER____-CANANDGA_230_60	60	230	483	556	634	325604	47.53
MEYER____-MORAINE__115_966	966	115	125	152	191	26166	54.85
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	252.92
MIDDLETP_345_138_BK 114	BK114	345	506	587	671	26465	253.44
MIDDLETP-ROCKTVRN_345_CCRT34	CCRT-34	345	1704	1852	2362	26464	442.64
MILAN____-PLSTVYCH_115_10	10	115	129	158	192	26433	3.94
MILAN____-RHINEBCK_115_MR	MR	115	175	193	220	26242	4.33
MILLBURY-CARP HL__345_302	302	345	1313	1405	1494	25721	50
MILLERPL-HOLBROOK_138_885	885	138	392	477	564	26691	19.32
MILLIKEN-ETNA____115_974	974	115	185	224	255	26177	115.96
MILLIKEN-ETNA____115_975	975	115	185	224	255	26178	125.1
MILLWOOD_345_138_TA 1	TA 1	138	216	307	346	25530	39.91
MILLWOOD_345_138_TA 2	TA 2	138	205	297	321	25531	39.47
MILLWOOD-EASTVIEW_345_W82	W82	345	2296	2658	3202	25147	1042.25
MILLWOOD-EASTVIEW_345_W85	W85	345	2296	2658	3202	25258	989.92
MILLWOOD-EASTVIEW_345_W99	W99	345	2296	2658	3202	25255	992.6
MILTON_C-GRS_LOCK_115_18	18-MG	115	129	148	160	26104	23.51
MILTR209-SUMMIT97_115_129	129	115	239	283	283	326288	125.5
MILTR209-SUMMIT97_115_130	129	115	239	298	298	326291	135.55

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MNCHESTR-CARD____345_368	368	345	1240	1446	1888	25710	377.6
MNCHESTR-MILSTONE_345_310	310	345	1488	1912	2097	25336	373.9
MNCHESTR-NO.BLOOM_345_3642	3642	345	956	956	956	26399	99.8
MNCHESTR-SCOV RCK_345_353	353	345	1240	1604	2097	25714	530.3
MNTNDALE-WWDBURNY_115_957	957	115	108	120	120	325616	24.77
MODENA__115_69__BK1	BK1	115	33	41	53	26325	0.48
MODENA__GALEVILE_69__MG	MG	69	41	44	51	26236	0.46
MODENA__OHIOVLE_115_PX	PX	115	232	257	304	25835	3.87
MOHANSIC_115_13__BK 2	BK 2	115	23	24	26	26482	10.56
MOHANSIC_115_13__BK 4	BK 4	115	23	24	26	26483	17.13
MOHICAN_-BATNKILL_115_15	15	115	116	120	145	26122	37.78
MOHICAN_-MULBRYNM_115_3	3	115	116	120	145	26687	3.65
MONROE__HARRIMAN_69__312	312	69	118	135	142	26269	44.96
MONROE__SUGRLOAF_69__313	313	69	139	197	258	26270	106.52
MONSEY__BURNS____138_601	601	138	425	451	475	325608	135.11
MONTRFL_-CODNIGTN_115_982	982	115	108	128	144	25728	71.79
MONTRFL_-RIDGE_RD_115_963	963-2	115	108	127	133	26196	47.3
MONTRFL_-RIDGE_RD_115_978	978-2	115	108	128	145	26197	43.34
MONTVALE-BLUE_HIL_69__43	43	69	22	27	32	26279	5.31
MONTVALE-BLUE_HIL_69__44	44	69	22	27	32	26502	5.31
MONTVILL-MILSTONE_345_371	371	345	1488	1912	2097	25334	662.6
MOONS_SW-FALCONER_115_161	161-3	115	88	101	108	26030	14.22
MOONS_SW-FALCONER_115_162	162-2	115	88	101	108	26031	6.04
MORGANRD-LANGDON__115_936	936	115	203	226	239	325224	21.39
MORTIMER-FAIRPORT_115_1	1	115	129	151	162	25163	24.4
MORTIMER-FAIRPORT_115_2	2	115	129	144	158	25240	1.25
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	5.03
MORTIMER-STA_56____115_24	43124	115	129	148	160	25096	48.5
MORTIMER-STA_56____115_25	43125	115	114	123	142	25095	72.24

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MOSES___230_115_AT1	BK 1	230	401	490	646	25411	37.21
MOSES___230_115_AT2	BK 2	230	401	490	646	25451	36.66
MOSES___230_115_AT3	BK 3	230	192	240	288	25452	14.34
MOSES___230_115_AT4	BK 4	230	479	589	690	25453	36.94
MOSES___-ADIRNDCK_230_MA1	MA1	230	348	386	440	25269	133.91
MOSES___-ADIRNDCK_230_MA2	MA2	230	348	386	440	25270	133.91
MOSES___-ALCOA_PA_115_MAL6	MAL6	115	218	253	291	25581	87
MOSES___-GRASRIVR_115_MAL4	MAL4	115	238	275	310	25582	89.38
MOSES___-GRASRIVR_115_MAL5	MAL5	115	238	275	310	25583	89.37
MOSES___-MASSENA_230_MMS1	MMS1	230	936	1197	1371	25274	146.67
MOSES___-MASSENA_230_MMS2	MMS2	230	936	1197	1394	25275	146.43
MOSES___-MED-ENGS_115_MRG1	MRG1	115	174	193	220	26328	25.96
MOSES___-MED-ENGS_115_MRG2	MRG2	115	174	179	179	26335	6.16
MOSES___-REYNLDPA_115_MR3	MR3	115	153	153	153	26332	0
MOSES___-WILLIS___230_MW1	MW1	230	349	386	440	25188	10.36
MOSES___-WILLIS___230_MW2	MW2	230	349	386	440	25271	10.3
MOSHIER_-TAYLORVL_115_7-MT	7-MT	115	49	49	49	26109	14.3
MOTTHAVN_345_138_TR6	TR6	345	457	558	603	325428	79.2
MOTTHAVN_345_138_TR7	TR7	345	457	558	603	325426	79.2
MOTTHAVN_345_138_TR8	TR8	345	457	558	603	325427	79.2
MOTTHAVN_345_138_TR9	TR9	345	457	558	603	325429	79.2
MOTTHAVN-RAINEY___345_Q11	Q11	345	707	833	1298	325430	380.39
MOTTHAVN-RAINEY___345_Q12	Q12	345	707	833	1298	325431	354.2
MOUNTAIN-SWANROAD_115_103	103	115	176	211	240	26054	81.61
MOUNTAIN-SWANROAD_115_104	104	115	176	211	240	26053	0
MTCHGRDN-NEWBRDGE_69_475	475	69	118	155	178	25606	13.15
MULBRYNM-EASTOVER_115_308	308	115	186	214	237	26475	100.48
N._SALEM-BATNKILL_115_989	989	115	40	50	57	26448	4.34
N.AKRON_-BATAVIA___115_107	107	115	159	159	159	25124	10.16

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
N.AKRON_-BATAVIA__115_108	108	115	125	136	154	25125	10.18
N.END___115_46__BK 1	BK 1	115	61	61	69	25849	31.48
N.END___-ASHLEYRD_115_702	702	115	287	333	388	25846	64.85
N.END___-PLATSBRG_115_701	701	115	217	239	239	25848	147.76
N.HEMPST-WHAVSTOR_138_530	530	138	236	270	285	26506	76.42
N.SCTLND_345_115_BK 1	BK 1	345	458	570	731	25445	150.05
N.SCTLND_345_115_BK 2	BK 2	345	510	690	794	25460	142.05
N.SCTLND-ALBANY___115_8	8-NA	115	278	321	368	25496	50.7
N.SCTLND-ALPS_____345_2	2	345	1204	1326	1685	25217	218.22
N.SCTLND-ALTAMONT_115_20	20-NV	115	116	120	145	25492	80.13
N.SCTLND-BETHLHEM_115_4	4-NB	115	254	266	266	25497	32.12
N.SCTLND-FEURABSH_115_3	3-NF	115	254	292	333	25495	76.3
N.SCTLND-LEEDS___345_93	93	345	1331	1538	1724	25171	570.74
N.SCTLND-LEEDS___345_94	94	345	1331	1538	1724	25203	567.45
N.SCTLND-OWENSCRN_115_7	7	115	116	120	145	25491	55.03
N.SCTLND-OWENSCRN_115_9	9	115	116	120	145	25490	16.82
N.SCTLND-ROTTDAM_115_13	13-NR	115	241	265	333	25494	61.77
N.SCTLND-VORHVSLE_115_19	19-NV	115	116	120	145	25493	83
N.TROY___-EASTOVER_115_306	308	115	186	214	237	326095	25.96
N.TROY___-EASTOVER_115_307	10	115	182	197	237	326096	24.44
N.TROY___-HOOSICK__115_5	5-NHF	115	200	232	232	26131	5.8
N.TROY___-REYNOLDS_115_16	16-NR	115	182	197	237	26139	74.96
N.TROY___-WYNTKLMN_115_14-988	14-NW	115	129	182	237	26137	74.42
NANGOLA_-DELEMTER_115_141	141	115	88	101	108	325872	17.77
NANGOLA_-DELEMTER_115_142	142	115	88	101	108	325879	13.28
NANGOLA_-SILVRCK_115_141	141	115	88	101	108	325871	5.6
NANGOLA_-SILVRCK_115_142	142	115	88	101	108	325878	1.57
NBRDWYNG-ERIE_ST__115_181-922	181-922	115	124	138	158	26011	54.56
NCATSKLL_115_69__TR 4	TR 4	115	48	60	74	25839	17.9

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NCATSKLL_115_69__TR 5	TR 5	115	44	55	73	25818	18.08
NCATSKLL-MILAN___115_T7	T7	115	129	182	199	26243	4.01
NCATSKLL-SAUGRTES_69__H	H-2	69	68	75	82	26214	11.64
NCHELSEA_115/69__BK TR1	BK TR1	115	33	41	53	25836	13.33
NCHELSEA-FISHKPLN_115_NF	NF	115	183	248	279	26228	114.78
NCHELSEA-FORGE BRK_115_FO	FO	115	176	211	240	26230	122.54
NCHELSEA-MYERSCRN_69__TV	TV	69	41	44	51	26220	13.3
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	660
NESCNSET-HOLBROOK_69__673	673	69	100	120	130	326339	62.46
NEVRSNK_-NVR SK_TP_69__WH	WH1-2	69	77	99	107	26244	11.01
NEVRSNK_-WDELV_TP_69__HG	HG	69	48	53	67	325624	3.22
NEWBRDGE_138_69__BK 6	BK 6	138	114	141	159	26604	80.04
NEWBRDGE_138_69__BK 7	BK 7	138	114	141	159	26605	72.16
NEWBRDGE_345_138_BK_1	BK 1	345	377	469	562	325301	330.55
NEWBRDGE_345_138_BK_2	BK 2	345	385	469	562	325302	330.55
NEWBRDGE-BAGATLRD_138_563	563	138	370	524	600	25536	1.4
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	660
NEWBRDGE-EGRDNCTY_138_467	467	138	250	455	616	325378	55.12
NEWBRDGE-JERICOH_69__474	474	69	89	113	124	26606	47.63
NEWBRDGE-LEVITTWN_69__565	565	69	142	155	178	26584	16.23
NEWBRDGE-RULAND___138_561	561	138	238	277	305	25305	80.21
NEWBRDGE-RULAND___138_562	562	138	237	275	303	25306	80.19
NEWBRDGE-RULAND___138_567	567	138	241	322	355	325379	81.8
NEWCASSL-JERICOH_69__469	469	69	100	120	130	326401	6.73
NEWKRMKL-ALBANY___115_7	7	115	275	303	354	325257	133.69
NEWWALDN-GARDNVLB_115_38	38	115	129	171	206	26039	39.33
NIAGARA__230_115_AT1	BK T1	230	192	240	288	25409	120.03
NIAGARA__230_115_AT2	BK T2	230	239	298	366	25410	32.17
NIAGARA__345_230_AT3	BK 3	345	376	470	564	25408	45.96

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NIAGARA__345_230_AT4	BK 4	345	697	770	881	25449	83.97
NIAGARA__345_230_AT5	BK 5	345	376	470	564	25450	45.96
NIAGARA_-KINTIGH__345_NS1-38	NS1-38	345	1301	1501	1685	25074	358.02
NIAGARA_-LNGRD209_115_180	180	115	200	208	265	25104	125.48
NIAGARA_-MOUNTAIN_115_120	120	115	176	211	258	25135	81.61
NIAGARA_-PACKARD__115_191	191	115	273	301	351	25075	165.18
NIAGARA_-PACKARD__115_192	192	115	273	301	352	25099	173.89
NIAGARA_-PACKARD__115_193	193	115	273	301	351	25100	128.09
NIAGARA_-PACKARD__115_194	194	115	273	301	351	25101	128.09
NIAGARA_-PACKARD__115_195	195	115	331	359	424	25102	147.21
NIAGARA_-PACKARD__230_61	61	230	626	727	846	25186	396.5
NIAGARA_-PACKARD__230_62	62	230	626	717	846	25220	388.53
NIAGARA_-ROBNSNRD_230_64	64	230	496	550	657	25088	294.24
NIAGARA_-ROCHESTR_345_NR2	NR2	345	1301	1501	1685	25084	63.58
NIAGARA_-SANBORN__115_101	101	115	233	253	318	326180	80.1
NIAGARA_-SANBORN__115_102	102	115	247	275	328	25103	77.29
NIAGB130-FRNKYONG_115_181-922	181-922	115	174	181	226	26057	125.71
NIAGB130-FRNKYONG_115_182	182	115	174	181	226	326278	101.16
NICHLVLE-PARISHVL_115_3	3-PN	115	128	147	159	26110	6.39
NILE____-ANDOVER__115_157	157-2	115	105	114	134	26016	10.42
NINEMILE-CLAY____345_8	8	345	1032	1271	1416	25167	743.92
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	19.09
NINEMILE-SCRIBA__345_9	9	345	1032	1284	1562	25359	125.01
NO.LEROY-MUMFRD50_115_119	119	115	129	160	173	326559	12.5
NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	17.02
NORFOLK_-LAWRNCV_115_4	4	115	220	252	280	326397	26.47
NORTHFLD-VRNON VT_345_381	381	345	1195	1195	1323	25707	288.6
NRTH1385-NOR HBR__138_601	601	138	147	182	409	325597	33.35
NRTH1385-NOR HBR__138_602	602	138	147	182	409	325598	33.24

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NRTH1385-NOR HBR__138_603	603	138	147	182	409	325599	33.02
NRTH1385-NRTHPORT_138_NNC	1385	138	436	518	532	25035	99.61
NRTHPORT_138_138_PS2	138_PS2	138	386	470	555	25599	182.59
NRTHPORT_138N_138E_PAR 1	E_PAR 1	138	436	518	532	25598	99.6
NRTHPORT-ELWOOD__138_678	678	138	356	536	614	25543	103.17
NRTHPORT-ELWOOD__138_681	681	138	358	538	616	25544	100.53
NRTHPORT-PILGRIM__138_672	672	138	188	289	350	25307	128.91
NRTHPORT-PILGRIM__138_677	677	138	379	534	611	25308	275.82
NRTHPORT-PILGRIM__138_679	679	138	383	532	609	25309	275.82
OAKDALE__230_115_BK 1	BK 1	230	275	400	440	25400	21.46
OAKDALE__345_115_BK 2	BK 2	345	491	587	600	25401	260.7
OAKDALE__345_115_BK 3	BK 3	345	420	499	600	25399	215.5
OAKDALE_-DELHI__115_919	919	115	161	177	179	25897	1.26
OAKDALE_-ENDICOTT_115_938	938	115	161	177	225	26198	129.18
OAKDALE_-FRASER__345_32	32	345	1255	1518	1793	25235	44.38
OAKDALE_-GOUDEY__115_939	939	115	238	274	306	26182	158.5
OAKDALE_-KATTLVLE_115_943	943	115	139	163	192	26201	55.44
OAKDALE_-NORTHSDE_115_944	944	115	185	224	239	26199	108.8
OAKFIELD-BATAVIA__115_112-2	112-2	115	128	136	158	25126	17.25
OAKWD232-LOCKPORT_115_36	36	115	145	151	185	326369	71.1
OAKWD232-LOCKPORT_115_37	37	115	155	170	189	326372	73.12
OAKWOOD_-ELWOOD__138_674	674	138	364	479	566	25545	22.46
OAKWOOD_-SYOSSET__138_675	675	138	247	353	564	25547	36.32
OHIOVLE-HIGHLAND_115_OR	OR	115	182	197	240	26247	11.02
ONEIDA__-WALESVIL_115_7	7	115	116	120	145	26115	28.91
ONEIDA__-YAHNUNDA_115_6	6	115	105	114	134	26113	29.41
ORCHARD_-LOCUSVLY_69_531	531	69	73	87	92	26613	34.66
OSWEGO__345_115_BK 7	BK 7	345	489	552	690	25372	299.73
OSWEGO__-ELBRIDGE_345_17	17	345	1207	1326	1426	25234	791.97

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
OSWEGO__-S.OSWEGO_115_3	3-OS	115	209	239	239	25507	124.71
OSWEGO__-S.OSWEGO_115_5	5-OS	115	209	239	239	25508	124.71
OSWEGO__-S.OSWEGO_115_8	8-OS	115	400	462	478	25509	44.08
OSWEGO__-VOLNEY__345_11	11	345	1200	1326	1685	25199	1.56
OSWEGO__-VOLNEY__345_12	12	345	1200	1326	1685	25201	1.56
OWENSCRN-SABICO__115_7	7	115	116	120	145	325736	59.23
OWENSCRN-SABICO__115_9	9	115	116	120	145	325737	6.55
PACKARD__230_115_BK 3	BK 3	230	189	250	250	25414	29.85
PACKARD__230_115_BK 4	BK 4	230	190	250	250	25415	94.59
PACKARD_-LNGRD209_115_182	182	115	200	208	265	26056	139.19
PACKARD_-MILTR209_115_1230	130	115	239	298	398	26059	144.55
PACKARD_-MILTR209_115_129	129	115	239	298	298	25906	137.07
PACKARD_-NIAGB130_115_181-922	181-922	115	160	166	206	26055	140.16
PACKARD_-SAWYER__230_77	77	230	556	644	746	25164	378.2
PACKARD_-SAWYER__230_78	78	230	556	644	746	25195	378
PALMITER-BENNETT__115_932	932	115	78	85	98	26165	22.63
PANNELL__345_115_3T	BK 3	345	255	319	336	25572	127.4
PANNELL__345_115_6T	BK 6	345	493	556	556	326317	127.4
PANNELL__345_115_BK 1	BK 1	345	228	282	336	25396	120.24
PANNELL__345_115_BK 2	BK 2	345	228	282	336	25431	119.85
PANNELL_-CLAY____345_1	PC1	345	1195	1195	1195	25058	411.41
PANNELL_-CLAY____345_2	2	345	1195	1195	1195	25050	412.74
PANNELRG-FARMGTN__115_4-977	4-FP	115	207	247	280	25080	103.89
PANNELRG-STA_56__115_24	24	115	129	148	160	26285	113.4
PANNELRG-STA_56__115_25	25	115	129	147	159	26284	94.2
PARISHVL-COLTON__115_3	3-CP	115	128	147	159	25241	9.61
PATROON_-MCKNOWNV_115_2-6	6	115	258	321	368	25866	66.54
PATROON_-PATRTAP__115_15	15	115	160	176	224	25867	30.75
PATRTAP_-MENANDS__115_15	15	115	105	114	134	26493	37.2

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PAVMNTRD-STOLLERD_115_926	926	115	249	287	327	325220	4.58
PAWLING_-TILYFSTR_115_994	994	115	175	178	179	25902	43.21
PEARLRVR_69__34__BK 431	BK 431	69	29	33	40	26695	0.25
PEARLRVR-HARNGCRN_34__45	45	34	19	24	28	26278	0.08
PEARLRVR-MONTVALE_69__491	491	69	116	135	142	26273	36.7
PEAT ST_-HDSNBRDG_115_10	10	115	207	233	233	26648	74.75
PEAT ST_-HDSNBRDG_115_7	7	115	278	318	318	26649	14.41
PETERBOR-ONEIDA__115_5	5	115	116	120	145	25896	13.01
PIERCBRK-FIVEMILE_345_37	37	345	1494	1721	1960	326225	112.83
PILGRIM__138B_138A_PAR	138_PS2	138	308	369	443	25604	110.11
PILGRIM_-COMMACK__69_674	674	69	114	132	146	26539	78.36
PILGRIM_-HAUPPAUG_138_871	871	138	259	319	351	25550	109.91
PILGRIM_-WEST BUS_138_881	881	138	439	498	565	25537	65.66
PINELAWN-W.BABYLN_69__754	754	69	131	131	131	26528	69.28
PINES__-BRENTWOD_69__758	758	69	100	120	130	326314	32.09
PLAINDEGE-MASSAPEQ_69__572	572	69	59	70	73	326379	24.54
PLAINVIE-RULAND__69__560	560	69	67	90	102	26562	31.57
PLATSBURG-KNTFSRNC_115_PS1	PS1	115	125	151	180	25078	19.43
PLATTSBURGH PMLD #2	PS-1/A	115	157	179	197	69888	4.8
PLSNTVLE_345_13__BK 1	BK 1	138	59	67	67	25477	39.5
PLSNTVLE_345_13__BK 2	BK 2	138	59	67	67	25478	37.98
PLSNTVLE-DUNWODIE_345_W89	W89	345	1720	1977	2265	25182	775.69
PLSNTVLE-DUNWODIE_345_W90	W90	345	1720	1977	2265	25250	815.52
PLSNTVLY-EFISHKIL_345_F36	F36	345	1720	2215	2657	25256	250.15
PLSNTVLY-EFISHKIL_345_F37	F37	345	1720	2215	2657	25257	250.15
PLSNTVLY-WOOD_ST__345_F30	F30	345	1720	2214	2657	25237	705.66
PLSNTVLY-WOOD_ST__345_F31	F31	345	1720	2214	2657	25238	670.74
PLSTVYCH_115_69__TR 10	TR 10	115	107	120	143	25840	54.2
PLSTVYCH_345_115_BK S1	BK S1	345	396	450	450	25382	47.86

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PLSTVYCH-INWOOD__115_X1	X-1	115	175	193	220	26209	5.25
PLSTVYCH-MANCHSTR_115_M	M	115	183	230	260	26208	43.62
PLSTVYCH-SMITHFLD_69__E	E	69	50	50	50	25629	24.06
PLSTVYCH-TODDHILL_115_C	C	115	183	248	295	325156	54.01
PORTER__-DERFIELD_115_8	8262523	115	116	120	127	26116	11.43
PORTER__-ROTTRDAM_230_30	30-PR	230	440	505	560	25173	222.97
PORTER__-ROTTRDAM_230_31	31-PR	230	440	505	560	25194	224.16
PORTER__-VALLEY__115_4	4-PV	115	116	120	145	25231	78.08
PORTER__-WATKINRD_115_5	5-PW	115	116	120	145	25232	86.62
PORTJEFF_138_69__BK 7	BK 7	138	112	138	156	25601	67.19
PORTJEFF_138_69__BK 8	BK 8	138	114	141	159	25600	49.3
PORTJEFF-HOLBROOK_138_862	862	138	255	314	346	25539	24.71
PORTJEFF-HOLBROOK_138_886	886	138	256	315	347	25540	24.25
PORTJEFF-WILDWOOD_69__881_872_87	881_872	69	73	87	92	26612	31.64
PORTWASH-BARBEACH_69__471	471	69	125	154	170	325218	15.76
PYRITES_-DEKALB__115_7	7	115	76	87	94	26065	8.52
QUAKERRD-MACEDON__115_930	930	115	60	75	112	25093	35.29
QUAKERRD-PANNELRG_115_914	914	115	207	247	264	25261	45.46
QUAKERRD-PANNELRG_115_925	925	115	274	303	354	25682	63.2
QUAKERRD-SLEIGHT__115_13-980	980(13)	115	150	169	188	25079	40.85
QUAKERRD-STA_204__115_908	908	115	227	251	285	26286	54.26
QUENBRDG-VERNON__138_31281	31281	138	363	455	602	25159	0.2
QUENBRDG-VERNON__138_31282	31282	138	363	455	602	25160	66.6
QUENSBRY-CEDAR__115_10	10	115	128	147	159	26140	42.21
QUENSBRY-SHERMAN__115_17	17-QS	115	116	120	145	26142	46.13
RAINEY__-FARRAGUT_345_61	61	345	651	811	1287	25152	205.22
RAINEY__-FARRAGUT_345_62	62	345	691	818	1281	25253	188.85
RAINEY__-FARRAGUT_345_63	63	345	651	811	1287	25254	205.1
RAINEY__-VERNON__138_36311	36311	138	233	280	317	25296	23.14

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
RAINEY__-VERNON__138_36312	36312	138	245	303	342	25297	88.01
RAMAPO__345_138_BK 1300	1300	345	451	546	619	25441	188.57
RAMAPO__345_138_BK 2300	2300	345	451	546	619	25442	192.25
RAMAPO__345_345_PAR3500	PAR3500	345	611	788	1054	25370	179.75
RAMAPO__345_345_PAR4500	PAR4500	345	575	803	1081	25371	179.8
RAMAPO__500_345_BK 1500	BK 1500	345	995	1304	1750	25656	359.66
RAMAPO__-BUCHAN_N_345_Y94	Y94	345	1703	1894	2404	25184	331.19
RAMAPO__-LADENTWN_345_W72	W72	345	1722	1894	2404	25233	171.96
RAMAPO__-SUGARLOF_345_76	76	345	1872	2037	2145	326219	505.72
RAMAPOOR-STRLFRST_138_26	26	138	264	300	316	326302	17.21
RAMAPOOR-TALLMAN__138_60	60	138	425	451	475	25880	235.4
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	17.53
REYNOLDS_345_115_BK 2	BK 2	345	459	562	755	25403	289.85
REYNOLDS-ALPS____345_1	1	345	1670	1912	1912	25587	270.66
REYNOLDS-GERENSLR_115_31	31	115	217	250	280	326247	78.35
REYNOLDS-GREENBSH_115_9	9	115	329	400	474	26129	137.45
REYNOLDS-RVSD_TAP_115_4	4	115	220	239	239	325648	25.37
RICHFELD-ESPRGFLD_115_7-942	942	115	102	113	120	26176	18.8
RIDGE_RD-HILLSIDE_115_963	963	115	108	128	145	26190	5.44
RIDGE_RD-HILLSIDE_115_978	978-1	115	108	128	145	26191	11.64
RIVERSDE-RVSD_TAP_115_4	4	115	220	239	239	26144	25.33
RIVERSDE-TRINITY__115_18	18	115	147	178	243	26491	87.24
RIVERSDE-TRINITY__115_19	19	115	198	242	278	26492	101.24
RIVRHEAD_138_69__BK 7	BK 7	138	114	141	156	26622	61.34
RIVRHEAD_138_69__BK 8	BK 8	138	112	138	156	26623	50.97
RIVRHEAD-SOUTHOLD_69__956_957	956_957	69	100	120	130	26621	16.48
ROBNSNRD_230_1__BK1P	BK 1	230	331	383	420	25395	24
ROBNSNRD-STOLLERD_230_65	65	230	550	637	717	25065	237.56
ROCHESTR_345_115_BK 1	BK 1	345	494	603	630	25412	165.59

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ROCHESTR_345_115_BK 2	BK 2	345	327	415	478	25432	190.41
ROCHESTR_345_115_BK 3	BK 3	345	494	603	630	25446	159.45
ROCHESTR_345_115_BK 5	BK 5	345	462	567	630	325381	308.73
ROCHESTR-PANNELL__345_RP1	RP1	345	1301	1501	1685	25192	222.3
ROCHESTR-PANNELL__345_RP2	RP2	345	1301	1501	1685	25172	222.97
ROCKHILL-MNTNDALE_115_957	957	115	153	163	173	325615	30.62
ROCKTVRN_345_115_BK TR1	BK TR1	345	396	445	445	25406	84.22
ROCKTVRN_345_115_BK TR3	BK TR3	345	396	459	519	26168	84.22
ROCKTVRN-RAMAPO__345_77	77	345	1872	2037	2145	25183	618.51
ROCKTVRN-SUGARLOF_345_76	76	345	1872	2037	2145	326218	689.77
ROCKTVRN-SUGRLOAF_115_SL	SL	115	177	204	218	25420	0
ROCKTVRN-UNION_CH_115_RJ	RJ	115	161	177	220	326347	43.49
ROME____-ONEIDA__115_1	1-RO	115	129	157	192	26112	18.82
RONKOKMA-HOLBROOK_138_875	875	138	429	488	553	25541	145.15
ROSA_RD_-GE_R_D__115_14	14	115	200	217	260	26145	43.79
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	1936	2666	3133	25108	1360.72
ROSETON_-ROCKTVRN_345_311	311	345	1396	1623	1870	25069	21.62
ROTTRDAM_230_115_BK 6	BK 6	230	344	375	523	25407	123.2
ROTTRDAM_230_115_BK 7	BK 7	230	300	355	402	25392	116.45
ROTTRDAM_230_115_BK 8	BK 8	230	326	369	423	25413	95.41
ROTTRDAM-BURDECK__115_17	17-RB	115	116	120	145	25129	45.8
ROTTRDAM-BURDECK__115_19	19-RB	115	105	114	134	26146	65.83
ROTTRDAM-CURRY_RD_115_11	11	115	116	120	145	25869	20.17
ROTTRDAM-EASTOVER_230_38	38	230	443	512	574	326094	96.91
ROTTRDAM-FRONT_ST_115_16	16	115	220	252	280	26147	109.21
ROTTRDAM-SWAGRTWN_115_1	1	115	418	478	478	26429	113.71
ROTTRDAM-SWAGRTWN_115_2	2	115	232	241	291	26430	109.58
ROTTRDAM-WOODLAWN_115_35	35	115	116	120	145	25865	11
RULAND__-HOLBROOK_138_882	882	138	446	506	574	25538	10.93

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
RULAND__-PILGRIM__138_661	661	138	520	552	552	25310	89.47
RULAND__-PILGRIM__138_662	662	138	489	536	550	25311	89.47
RULAND__-PINELAWN_69__755	755	69	73	87	92	26561	26.37
RULAND__-STATSCHL_69__665	665	69	73	87	92	26560	48.04
RYAN____-PLATSBURG_230_RYP-2	RYP-2	230	249	277	318	25273	15
RYNDS_HL-HIGHLAND_115_HR	HR	115	183	214	240	325825	9.02
RYNDS_HL-INWOOD__115_IR	IR	115	175	193	220	26248	10.56
S.FRMDAL-BERRY_LI_69__654	654	69	73	87	92	26530	35.27
S.FRMDAL-RULAND__69__651	651	69	142	155	178	26568	71.45
S.FRMDAL-RULAND__69__751	751	69	127	175	238	26569	23.36
S.FRMDAL-STERLING_69__657	657	69	73	87	92	26526	13.49
S.MAHWAH-RAMAPOOR_138_51	51	138	236	270	285	25888	95.16
S.OSWEGO-CURTIS__115_10	10	115	175	175	175	25511	78.93
S.OSWEGO-HAMRHILL_115_6	6-IH	115	114	120	142	25513	10
S.OSWEGO-NINEMILE_115_1	1-SN	115	116	120	145	25501	26.76
S.OWEGO_-GOUDEY__115_961	961	115	112	131	143	25725	43.83
S.OWEGO_-NWAVERLY_115_962	962-2	115	111	131	143	25727	11.6
S.PERRY_-MEYER__115_934	934	115	82	96	104	26194	44.2
S.RIPLEY-DUNKIRK__230_68	68	230	475	475	475	25045	0
S124____115A_115B_PS1	PS1	115	163	234	354	325930	115.2
S124____115A_115B_PS2	PS2	115	163	234	354	325931	115.2
S42____-S124____115_932	932	115	163	234	358	325827	114.43
S42____-S124____115_938	938	115	185	207	215	325972	114.43
SABICO_-FEURABSH_115_9	9	115	220	252	280	326028	6.6
SABICO_-LONGLANE_115_7	7	115	199	199	199	26501	45.39
SALAMANC_HOMER_HL_115_153	153	115	128	147	159	325763	25.92
SALAMANC_HOMER_HL_115_154	154	115	128	147	159	325764	30.35
SANBORN_-LOCKPORT_115_101	101	115	233	253	318	25267	76.51
SANBORN_-SHAWNERD_115_102	102	115	275	303	354	326179	77.29

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SAND_BAR-PLATSBURG_115_PV20	PV20	115	210	245	258	25027	102.95
SANDDOCK-NCHELSEA_115_SC	SC	115	183	248	279	26249	75.08
SANDY PD-TEWKSBURY_345_337	337	345	1802	1908	2045	26366	220.7
SANDY PD-WACHUSSETT_345_314	314	345	1731	2108	2400	26352	566.6
SANDY PD-WACHUSSETT_345_343	343	345	1435	1609	1741	25716	566.6
SAUGRTES-HURLYAVE_69_SB	SB	69	68	75	82	26238	29.14
SAWYER__230_23_TB1	TB1	230	104	128	128	325047	56.68
SAWYER__230_23_TB2	TB2	230	104	128	128	325048	57.76
SAWYER__230_23_TB3	TB3	230	104	128	128	325049	54.14
SAWYER__HUNTLEY__230_77	77	230	566	654	755	325043	319.08
SAWYER__HUNTLEY__230_78	78	230	566	654	755	325044	317.7
SAWYER__SUNY_BUF_230_79	79	230	566	654	710	325045	258.9
SAWYER__SUNY_BUF_230_80	80	230	566	654	755	325046	257.4
SCHODACK-GREENSBURG_115_13	13	115	186	199	199	325804	85.75
SCHUYLER-PORTER__115_13	13	115	129	182	191	326142	37.49
SCOBIE__EAGLE__345_380	380	345	1431	1431	1431	25708	441.9
SCOBIE__SEABROOK_345_363	363	345	1494	1494	1494	26378	558.1
SCOTAFIELD-MASONCR__115_909	909	115	155	179	193	325702	6.83
SCRIBA__FITZPATRICK_345_FS-10	FS-10	345	1434	1434	1912	25076	207.67
SCRIBA__VOLNEY__345_20	20	345	1200	1396	1686	25204	604.63
SCRIBA__VOLNEY__345_21	21-SV	345	1670	1912	1912	25314	790.77
SEBASTIAN-EBATAVIA_115_119	119	115	129	160	173	326098	34
SENECA__GARDENVILLE_230_71	71	230	306	354	370	25856	19.7
SENECA__GARDENVILLE_230_72	72	230	306	354	370	25857	20.02
SGOSHEN__SHOEMAKER_69_25	25	69	69	79	83	26692	18.24
SHALETON-CLYDEBANK_115_141	141	115	88	101	108	325875	31.32
SHALETON-LAKEVIEW_115_141	141	115	88	101	108	325874	28.87
SHAWNERD-LOCKPORT_115_102	102	115	233	253	318	26052	68.1
SHAWNERD-LOCKPORT_115_103	103	115	174	181	199	26051	53.09

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SHELBY76-SWEDEN__115_111	111	115	199	199	199	326393	14.7
SHENDOAH-EFISHKIL_115_EF	EF	115	198	230	260	26251	19.55
SHERMAN_-SPIERFLS_115_17	17-SS	115	116	120	145	26148	45.66
SHERMCRK-ACADEMY__138_331	331	138	313	406	524	325755	149.72
SHERMCRK-ACADEMY__138_332	332	138	313	406	524	325754	149.72
SHERMCRK-E179THST_138_15031	15031	138	162	220	360	25156	123.47
SHERMCRK-E179THST_138_15032	15032	138	162	220	360	25157	122.09
SHOEMAKR_138_69__BK 711	BK 711	138	212	281	319	26694	78.23
SHOEMAKR_138_69__BK 811	BK 811	138	193	225	253	326024	94.53
SHOEMAKR-CHESTROR_138_27	27	69	236	270	285	26466	59.23
SHOEMAKR-HARTLYRD_69__24	24	69	69	79	83	26690	12.28
SHOEMAKR-MONGAUP__69__12	12	69	51	65	74	26693	7.18
SHOEMAKR-MONGAUP__69__13_131	13_131	69	51	65	74	26467	4.82
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	329.49
SHORE_RD_345_138_BK 1	BK 1	345	428	534	641	25439	291.4
SHORE_RD_345_138_BK 2	BK 2	345	428	534	641	25440	290.39
SHORE_RD-GLENWOOD_138_365	365	138	258	317	350	25205	103.16
SHORE_RD-GLENWOOD_138_366	366	138	272	349	409	25154	31.88
SHORE_RD-LAKSUCSS_138_367	367	138	237	411	543	25145	221.77
SHORE_RD-LAKSUCSS_138_368	368	138	238	412	545	25150	221.77
SHOREHAM-MILLERPL_138_879	879	138	393	479	565	25117	25.76
SHOREHAM-WILDWOOD_138_863	863	138	388	472	558	25115	145.25
SHOREHAM-WILDWOOD_138_867	867	138	395	480	567	25114	143
SHOREHM_-WILDWOOD_69__891	891	69	236	259	266	26570	50.85
SIDNEYRR-DELHI____115_949	949	115	80	110	120	326184	40.23
SLEIGHT__115_34__BK 1	BK 1	115	35	43	67	70523	24.45
SLEIGHT__115_34__BK 2	BK 2	115	35	43	67	70524	27.53
SLEIGHT_-CLYDE____115_3-971	971(3)	115	145	151	179	26686	11.13
SMAHWAH__345_138_BK 258	258	345	441	516	559	25393	159.61

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SMAHWAH_-RAMAPO___345_69	69	345	1226	1737	2268	25021	322.76
SMAHWAH_-RAMAPO___345_70	70	345	1720	1890	2398	25259	273.57
SMITHBRD-WEIBELAV_115_2	2	115	220	253	280	325903	15.24
SMITHBRD-WEIBELAV_115_302	302	115	220	253	280	325904	18.93
SMITHFLD-SALISBRY_69___690/FV	690	69	31	31	31	25619	3.89
SMITHTWN-FLOWRFLD_69___879	879	69	142	155	178	26609	38.24
SOUTHDOW-CARRSCRN_115_153	153	115	128	147	159	326162	19.47
SOUTHDOW-CARRSCRN_115_154	154	115	128	147	159	326164	10.32
SOUTHOLD-BUELL___69___958	958	69	105	126	178	26626	47.81
SPENCRT-STA_113___115_947	947	115	113	123	135	326080	65.08
SPERRY___GLENWOOD_69___367_467	367_467	69	66	83	88	26572	10.94
SPIERFLS-BUTLER___115_4	4-SFB	115	105	114	134	26136	28.25
SPIERFLS-CURTPALM_115_9	9	115	105	114	134	326145	26.51
SPIERFLS-MOHICAN___115_7	7	115	116	120	145	26435	22.61
SPIERFLS-QUENSBR_115_5	5-SFQ	115	116	120	145	26141	51.01
SPIERFLS-TAPBROOK_115_2	2	115	232	241	291	25874	48.48
SPIERFLS-TAPBROOK_115_302	302	115	182	197	248	25873	36.48
SPRAINBROOK - SPRNBR49	R49REAC	345	693	936	1392	26725	635.1
SPRINGVL-ARCADE___115_151	151	115	129	148	160	326167	16.77
SPRINGVL-MACHIAS___115_152	152	115	129	148	160	326171	7.98
SPRNBRK___345_138_BK N7	BK N7	345	284	397	417	25628	228.53
SPRNBRK___345_138_BK S6	BK S6	345	284	397	417	25625	231.45
SPRNBRK_-ACADEMY___345_M29	M29	345	474	719	1351	325756	300.85
SPRNBRK_-DUNWODIE_138_99941	99941	138	294	416	464	25245	230.91
SPRNBRK_-DUNWODIE_138_99942	99942	138	330	402	464	25246	227.97
SPRNBRK_-DUNWODIE_345_W75	W75	345	2331	2658	3202	25071	616.81
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	637	900	1329	25105	635.09
SPRNBRK_-TREMONT___345_X28	X28	345	465	675	1182	25175	401.54
SPRNBRK_-W49TH_ST_345_M51	M51	345	760	927	1527	25053	536.19

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SPRNBK_-W49TH_ST_345_M52	M52	345	760	927	1527	25223	536.19
STA_1185-STa_180_-115_907	907	115	61	81	108	326235	16.49
STA_128_-STA_82___115_906	906	115	129	147	159	26303	24.26
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	45
STA_135_-STA_230___115_929	929	115	226	249	269	325839	65.77
STA_158_-STA_128___115_924	924	115	129	147	159	26654	21.84
STA_162_-S.PERRY___115_906- 7X	906-7X	115	111	131	143	25062	24.57
STA_162_-STA_1185_115_907	907	115	96	127	169	325254	28.17
STA_162_-STA_158___115_924	924	115	129	147	159	26653	3.6
STA_204___115_34___BK 1	BK 1	115	56	67	112	70539	33.67
STA_204___115_34___BK 2	BK 2	115	56	67	112	70540	38.05
STA_204_-S124_____115_911	911	115	218	228	261	26307	113.22
STA_23___S42_____115_920	920	115	74	94	133	70027	8.59
STA_23___STA_262___115_944	944	115	400	538	640	70028	117.04
STA_230_-QUAKERRD_115_929	929	115	226	249	269	325840	53.15
STA_251_-MORTIMER_115_901	901	115	183	197	241	25097	148.62
STA_251_-STA_33___115_942	942	115	193	213	241	326100	40.2
STA_251_-STA_33___115_943	943	115	175	211	241	326101	175
STA_33___115_34___BK10	BK 1_2	115	75	90	132	70541	68.26
STA_37___115_34___BK 8	BK 8	115	50	59	100	70542	44.28
STA_37___STA_48___115_926	926	115	275	305	355	26314	96.73
STA_37___STA_48___34___716	716	34	34	37	40	26315	17.18
STA_37___STA_67___115_926	926	115	250	280	300	26313	141
STA_418_-STA_113___115_917	917_910	115	129	147	159	326069	76.47
STA_48___115_34___BK 6	BK 6	115	57	66	69	70544	35.03
STA_48___115_34___BK 9	BK 9	115	59	66	112	70543	33.19
STA_56___QUAKERRD_115_23	23	115	145	151	153	26288	84.8
STA_56___STA_82___115_23	43154	115	145	151	185	26287	43.2
STA_67___ROCHESRG_115_922	922	115	311	364	376	26321	189.96

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STA_67__-STA_418__115_910	910	115	175	211	239	326048	123.36
STA_67__-STA_82__115_903	903	115	311	364	384	26322	132.88
STA_69__-STA_71__115_945	945	115	103	121	141	326238	14.86
STA_69__-STA_93__115_917	917	115	125	143	155	326237	22.87
STA_7__-STA_48__115_919	919	115	226	249	269	26302	69.7
STA_7__-STA_48__115_927	927	115	253	292	309	326039	74.29
STA_7__-STA_93__115_917	917	115	117	127	147	26301	30.04
STA_70__-SPENCPR115_947	947	115	113	123	135	326343	55.72
STA_71__-STA_70__115_946	946	115	113	123	135	326342	19.73
STA_82__-MORTIMER_115_7X8272	7X8272	115	258	358	410	25098	143.17
STA_82__-ROCHESRG_115_904	904	115	506	584	618	25081	292.57
STA_82__-ROCHESRG_115_905	905	115	506	584	618	26305	277.68
STA_82__-STA_251__115_902	902	115	175	211	239	70058	40.16
STA_82__-STA_48__115_916	916	115	301	332	373	326055	128.32
STATE_CA-PATRTAP__115_15	15	115	160	176	224	26494	37.2
STATE_ST-WRGHTAVE_115_976	976	115	185	221	239	26200	19.46
STERLING_138_69__BK 3	BK 3	138	219	283	320	26524	143.02
STERLING-LINDHRST_69__752	752	69	73	87	92	26529	47.1
STERLING-RULAND__138_663	663	138	219	283	320	26498	143.32
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	31.74
STLAWRNC_230A_230C_PS 33	PS 33	230	240	259	334	25118	5
STLAWRNC_230B_230D_PS 34	PS 34	230	300	336	466	25119	5
STLAWRNC-MOSES__230_L33P	L33P	240	299	411	446	25026	5.46
STLAWRNC-MOSES__230_L34P	L34P	240	317	411	446	25037	7.44
STOLLERD_345_115_BK 3	BK 3	345	288	333	420	25461	25.88
STOLLERD_345_115_BK 4	BK 4	345	296	390	420	25462	25.75
STOLLERD-HISHOLDN_230_67	67	230	417	479	533	25064	50.61
STONBROK-PORTJEFF_69__877	877	69	100	120	130	326336	88.37
STONCREK-WETHSRFD_230_83	83	230	417	479	533	325973	61.04

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STONER__-ROTTRDAM_115_12	12-SR	115	84	84	84	25680	23.27
STONYRDG_230_115_BK1	BK1	230	247	336	336	325811	70.79
STONYRDG-HILLSIDE_230_72	72	230	498	574	653	325810	18.44
STRLFRST-LAKRD_OR_69_98	98	69	118	135	142	326300	34.67
STURGNPL_115_69__BK8	TR 8	115	86	116	135	326293	15.54
STURGNPL-BOULEVRD_69__N	N	69	45	47	55	26211	5.96
STURGNPL-DASHVLE_69__O	O	69	45	47	55	26246	4.55
STURGNPL-OHIOVLE_115_OR	OR	115	182	193	193	326294	30.81
STWMANOR-LAKSUCSS_69__366	366	69	66	83	88	26585	27.91
SUGARISL-COLTON__115_4	4	115	181	197	248	26084	21.14
SUGRLOAF_138_69__BK 6108	BK 6108	115	189	222	250	26333	74.97
SUGRLOAF_345_138_BK1112	BK1112	345	425	451	475	326220	181.33
SUGRLOAF_69__138_BK 7108	BK 7108	138	192	226	253	25891	64.02
SUGRLOAF-SGOSHEN_69_241	24	69	69	79	83	325306	3.69
SUGRLOAF-STRLFRST_138_261	26	138	264	300	316	25326	76.01
SUGRLOAF-WISNER__69_993	993	69	118	135	142	26696	27.6
SULLVNP-K-STONYRDG_115_712	712	115	235	272	313	325809	70.47
SUMMIT97-WALCK_RD_115_129	129	115	239	298	298	326289	92.02
SUNY_BUF-GARDNVLB_230_79	79-1	230	566	654	699	25165	247.88
SUNY_BUF-GARDNVLB_230_80	80-1	230	566	654	722	25196	242.8
SWAGRTWN-TAPBLSTN_115_1	1	115	271	314	359	325895	94.04
SWAGRTWN-TAPBROOK_115_2	2	115	232	241	291	325894	112.1
SWANROAD-LOCKPORT_115_104	104	115	168	181	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	168	181	206	326181	62.15
SWEDEN__-BROCKP74_115_111	111	115	129	136	153	326130	34.3
SWEDEN__-BROCKP74_115_113	113	115	143	165	180	326132	33.55
SWEDEN__-MORTIMER_115_111	111	115	129	149	153	25347	19.8
SWEDEN__-MORTIMER_115_113	113	115	129	149	153	25348	27.73
SWEDEN__-SHELBY76_115_113	113	115	143	165	180	326131	13.06

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SWETH224-GETZVL60_115_36	36	115	174	181	226	326365	12.57
SWETH224-GETZVL60_115_37	37	115	174	181	226	326366	13.88
SYLVANLK-PAWLING__115_990	990	115	203	227	239	26156	105.72
SYOSSET__138_69__BK 5	BK 5	138	227	263	302	26565	100.89
SYOSSET__WOODBURY_69_555	555	69	100	120	130	26567	46.08
SYOSSET_-LOCUSTGR_138_559	559	138	388	472	557	25904	221.02
SYOSSET_-OYSTERBY_69_533	533	69	140	155	178	326067	41.26
TALLMAN_-MONSEY__138_602	602	138	425	451	475	325609	179.81
TAPBLSTN-TAPBROOK_115_302	302	115	220	252	280	325898	4.43
TAYLORVL-BULYMO__115_6	6	115	105	114	124	26070	51.83
TAYLORVL-LOWVILLE_115_5	5-TL	115	102	114	134	26107	59.26
TEALLAVE-ASH____115_7-TA	7-TA	115	120	148	148	26063	42.41
TEALLAVE-ASH____115_8-AT	8-AT	115	120	148	148	26117	42.41
TEALLAVE-BM_CC_GM_115_6	6	115	187	213	236	26154	53.63
TEALLAVE-CURTIS__115_13	13	115	182	182	182	326066	7.69
TEALLAVE-ONEIDA__115_2	2-OT	115	116	120	145	25895	37.25
TEALLAVE-PETERBOR_115_5	5	115	116	120	145	325164	48.36
TELGRAPH_115_34__114__BK 2	BK 2	115	52	63	63	26509	19.14
TELGRAPH_115_34__115__BK 1	BK 1	115	52	63	63	26013	20.06
TELGRAPH-N.AKRON__115_107	107	115	179	179	179	26508	14.17
TELGRAPH-SHELBY76_115_114	114	115	129	149	153	25349	7.45
TEMPLE__-PEAT ST__115_10	10-TP	115	119	152	179	26715	56.31
TERMINAL-PORTER__115_6	6	115	200	208	265	326140	46.33
TERMINAL-SCHUYLER_115_7	7	115	116	120	145	326141	12.76
TIANA__-CANAL____69_966	966	69	107	107	107	26618	14.58
TIANA__-RIVRHEAD_69_961	961	69	107	107	107	26616	31.82
TIANA__-RIVRHEAD_69_962	962	69	107	107	107	26617	31.84
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	64	64	64	26470	14.37
TILDEN__-DEWITT__115_19	19-TD	115	182	197	236	26092	101.23

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	17.25
TNWD206-OAKWD232_115_36	36	115	145	151	185	326368	60.46
TNWD206-OAKWD232_115_37	37	115	145	151	185	326371	62.57
TODDHILL-FISHKPLN_115_A	A	115	232	253	304	325157	12.64
TREMONT__138A_138B_BK 11	BK 11	138	243	279	312	25649	200.05
TREMONT__138C_138D_BK 12	BK 12	138	243	279	312	25650	200.05
TREMONT__345_138_BK 11	BK 11	345	245	299	339	25473	200.43
TREMONT__345_138_BK 12	BK 12	138	246	299	339	25474	200.43
TREMONT_-PARKCHTR_138_38X01	38X01	138	180	320	526	25120	99.8
TREMONT_-PARKCHTR_138_38X02	38X02	138	180	320	526	25121	99.8
TREMONT_-PARKCHTR_138_38X03	38X03	138	190	318	526	25122	98.99
TREMONT_-PARKCHTR_138_38X04	38X04	138	190	318	526	25123	100.62
TULLERHL-CLRKSCRN_115_1-716	1-716	115	128	147	159	26192	12.88
UNION_CH-BETHLMRD_115_UB	UB	115	143	164	178	326345	19.4
UNIONVAL-CROTONFL_115_991	991	115	215	247	275	326417	48.47
URBAN154-DALEROAD_115_39	39	115	174	181	226	326152	49.7
URBAN154-NEWWALDN_115_38	38	115	174	181	226	326151	51.8
VALKIN__FT._ORAN_115_15	15	115	186	214	237	325685	92.39
VALLEY__FAIRFIEL_115_12	12	115	116	120	145	325743	54.06
VALLYSTR_138A_138B_PAR	B_PAR	138	307	368	441	25607	99.77
VALLYSTR-BARRETT__138_291	291	138	184	271	393	25312	122.73
VALLYSTR-BARRETT__138_292	292	138	181	271	330	25313	138.73
VALLYSTR-EGRDNCTY_138_262	262	138	206	286	344	25244	136.58
VERNON__138A_138B_PAR R1	PAR R1	138	352	431	495	325712	95.05
VERNON__GREENWD__138_31231	31231	138	174	226	247	25337	98.64
VERNON__KENTAVE__138_31232	31232-1	138	174	226	247	26123	37.5
VERNON__W49TH_ST_138_38M72	38M72	138	130	172	216	325122	0.28
VINGR_TP-VINEGAR__115_917 TAP	917 TAP	115	125	152	193	26455	2.59
VOLNEY__CLAY____345_6	6	345	1109	1344	1686	25198	809.21

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
VOLNEY__-MARCY___345_19	19	345	1434	1650	1971	25345	575.08
VRNON VT-FITZWILL_345_379	379	345	896	896	896	26388	43.5
VT YANK_-VRNON VT_345_3340	3340	345	1224	1230	1434	25717	30
W.BABYLN-BRGHTWTR_69__766_771	766_771	69	136	150	178	26538	4.41
W.NYACK__138_69__BK 221	BK 221	138	212	281	319	26334	85.38
W.NYACK_-CEDAR_OR_69_551	551	69	117	133	141	326217	28.78
W.NYACK_-SNKEHLRD_138_562	563	138	212	267	281	325906	85.38
W_ERIAVE-HICKLING_115_935	935	115	120	120	120	325568	0.37
W_ERIAVE-SULLVNPk_115_711	711	115	245	272	313	325808	49.99
W49TH_ST-E13THSTA_345_M54	M54	345	753	986	1566	25228	134.87
W49TH_ST-E13THSTA_345_M55	M55	345	753	986	1566	25222	125.25
WADNGRIV-NSHORBCH_138_878	878	138	442	489	597	325642	15.42
WADNGRIV-SHOREHAM_138_891	891	138	391	476	562	25342	15.43
WALCK_RD-BUFALO78_115_133	133	115	239	298	298	26153	152.79
WALDEN__-WALDN_A2_115_BK 1	BK 1	115	38	39	42	25429	16.18
WALDENNG-GARDNVLB_115_182	182	115	129	182	236	26015	56.15
WALDENNG-INGCALTN_115_54-921	54-921	115	187	215	236	26024	21.43
WALDWICK_345_230_BK1	BK1	345	549	713	806	25479	147.2
WALDWICK_345_230_BK2	BK2	345	557	716	794	25480	147.2
WALDWICK_345_230_BK3	BK3	345	609	794	901	25481	142.2
WALDWICK-SMAHWAH__345_J3410	J3410	345	672	1043	1920	25032	163
WALDWICK-SMAHWAH__345_K3411	K3411	345	675	1041	1920	25039	273.46
WALESVIL-CAVANARD_115_7	7	115	116	120	145	325213	41.46
WARNSBRG-SCOFLDRD_115_10	10	115	105	114	119	326148	40.65
WARREN__-FALCONER_115_171	171	115	116	120	140	25015	0
WATKINRD-INGHAM_C_115_2	2-WI	115	116	120	145	25805	64.5
WATRCURE_345_230_BK 1	BK 1	345	426	520	600	25402	219.2
WATRCURE-OAKDALE__230_71	71	230	275	400	440	25179	21.46
WATRCURE-OAKDALE__345_31	31	345	963	1074	1076	25178	209.34

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WATSON__-BAYPORT__69__774_779	774_779	69	73	87	92	26557	14.6
WATSON__-SAYVILLE_69__780	780	69	73	87	92	26554	5
WBALMVLE-MARLBORO_115_MW	MW	115	198	230	260	326090	33.1
WEST BUS-SILLSRD__138_873	873	138	493	540	618	325618	12.64
WETHSRFD-MEYER__230_85/87	85	230	417	479	533	325623	72.2
WETZEL__-CLAY____115_7	7-CL	115	220	252	280	326207	7.48
WHAVSTOR-LOVETT__138_53	53	138	236	270	285	25884	6.84
WHAVSTOR-STONYPNT_138_542	542	138	236	270	285	326049	18.46
WHAVSTRW_345_138_BK 194	BK 194	345	451	546	619	25447	234.82
WHITEHAL-COMSTKNM_115_13	13	115	116	120	145	25903	15.27
WHITEHAL-TICONDRG_115_3	3	115	116	120	145	26471	38.33
WHITESIDE-VALLYSTR_69__262	262	69	73	87	92	26592	32.88
WICCOPEE-SHENDOAH_115_FS	FS	115	194	214	240	325773	52.54
WILDWOOD_138_69__BK 4	BK 4	138	227	263	302	26550	71.78
WILDWOOD-RIVRHEAD_138_890	890	138	295	325	377	25905	149.99
WILDWOOD-RIVRHEAD_69__955	955	69	142	155	178	26619	52.66
WILLET__-ENORWICH_115_945	945-1	115	108	128	145	25732	58.69
WILLIS__230_115_AT1	BK 1	230	145	179	209	25388	29.21
WILLIS__230_115_AT2	BK 2	230	145	179	209	25390	29.24
WILLIS__-CHAT_TAP_115_1(911)	1(911)	115	135	159	175	26204	3.4
WILLIS__-PATNODE__230_WPN-1	WPN-1	230	434	500	532	325565	38.31
WILLIS__-RYAN____230_WRY-2	WRY-2	230	396	459	524	325566	40.84
WILLWBRK-FRESHKLS_138_29211	29211-2	138	182	262	439	25319	134.86
WILLWBRK-FRESHKLS_138_29212	29212-2	138	182	262	439	25320	147.01
WISNER__-HUNT____69_991	991	69	118	135	142	326284	3.85
WOLF_RD_-MENANDS__115_10	10	115	116	117	117	26255	89.3
WOLFHILL-GREENLWN_69__667	667	69	142	155	178	26558	19.27
WOOD_ST__345_115_BK 1	BK 1	345	302	354	420	25437	120.1
WOOD_ST__345_115_BK 2	BK 2	345	311	368	420	25438	108.23

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WOOD_ST_-MILLWOOD_345_W80	W80	345	1720	2215	2657	25148	594.46
WOOD_ST_-MILLWOOD_345_W81	W81	345	1720	2215	2657	25525	670.7
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	1839	2520	3056	25358	857.3
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	1775	1977	2265	25132	815.73
WOODARD_-ELBRIDGE_115_4	4	115	156	179	195	325316	63.73
WOODBURY_PLAINVIE_69_483	483	69	106	147	178	325975	22.06
WOODLAWN-STATE_CA_115_12	12	115	116	120	145	26490	27.8
WOODMERE-VALLYSTR_69__261	261	69	89	112	118	325285	40.28
WOODSTNY-AMAWALK__115_996	996	115	215	247	275	25574	74.49
WRGHTAVE-MILLIKEN_115_973	973	115	185	221	249	26195	30.75
WTRVLARS-GERENSLR_115_31	31	115	128	147	159	26423	74.47
WWDBURNY_115_69__BK 1	BK 1	115	48	50	50	25404	21.37
WYNTKLN-REYNOLDS_115_13-988	13-WR	115	186	214	237	26143	92.92
YAHNUNDA-PORTER__115_3	3	115	116	120	145	26515	54.12
YAWGERRD-RIDGE_RD_115_963	963	115	217	227	262	326312	41.35
YOUNG214-HUNTLEY__115_133	133	115	168	181	206	26042	116.82
YOUNG214-SWETH224_115_36	36	115	174	181	226	326364	2.46

Appendix E – INTERFACE DEFINITIONS

NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
West (Zone A) – Genesee (Zone B)		
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-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

SPRAIN BROOK-DUNWOODIE SOUTH		
Dunwoodie (Zone I) – NYC (Zone J)		
Name	Line ID	Voltage (kV)
*Dunwoodie-Mott Haven	71	345
*Dunwoodie-Mott Haven	72	345
Sprain Brook-Tremont*	X28	345
*Sprain Brook-West 49 th Street	M51	345
*Sprain Brook-West 49 th Street	M52	345
*Sprain Brook-Academy	M29	345
*Dunwoodie-Sherman Creek	99031	138
*Dunwoodie-Sherman Creek	99032	138
*Dunwoodie-East 179 th Street	99153	138
Long Island (Zone K) – NYC (Zone J)		
*Lake Success-Jamaica	903	138
*Valley Stream-Jamaica	901L_M	138

* indicates the metered end of the circuit

MOSES SOUTH		
North (Zone D) – Mohawk Valley (Zone E)		
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

UPNY-CONED		
Hudson Valley (Zone G) – Millwood (Zone H)		
Name	Line ID	Voltage (kV)
*Ladentown-Buchanan South	Y88	345
*Pleasant Valley-Wood St.	F30	345
*Pleasant Valley-Wood St.	F31	345
*Pleasant Valley-East Fishkill	F36	345
*Pleasant Valley-East Fishkill	F37	345
*Ramapo-Buchanan North	Y94	345
Roseton-East Fishkill*	RFK305	345
*Fishkill Plains–Sylvan Lake	FP/990	115
East Fishkill 115/345*	BK1	115/345
East Fishkill 115/345*	BK2	115/345

CENTRAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
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*	7-942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115

* indicates the metered end of the circuit

TOTAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
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*	7-942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
Mohawk Valley (Zone E) – Hudson Valley (Zone G)		
Middletown-Rock Tavern*	CCCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM East (Zone P) – NYC (Zone J)		
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*Cresskill-Spkill	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

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

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

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

* indicates the metered end of the circuit

PJM-NYISO		
PJM East (Zone P) – NYC (Zone J)		
Name	Line ID	Voltage (kV)
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West – Central (Zone C)		
*Mainesburg-Watercure	30	345
*Mainesburg-Mainesburg NY	47	345
*Homer City-Homer City NY	47	345
E. Towanda-Hillside*	70	230
Laurel Lake-Goudey*	952	115
*E. Sayre-N. Waverly	956	115
PJM West – West (Zone A)		
*Pierce Brook-Five Mile Road	37	345
*Pierce Brook-Pierce Brook NY	48	345
*Homer City-Homer City NY	48	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*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

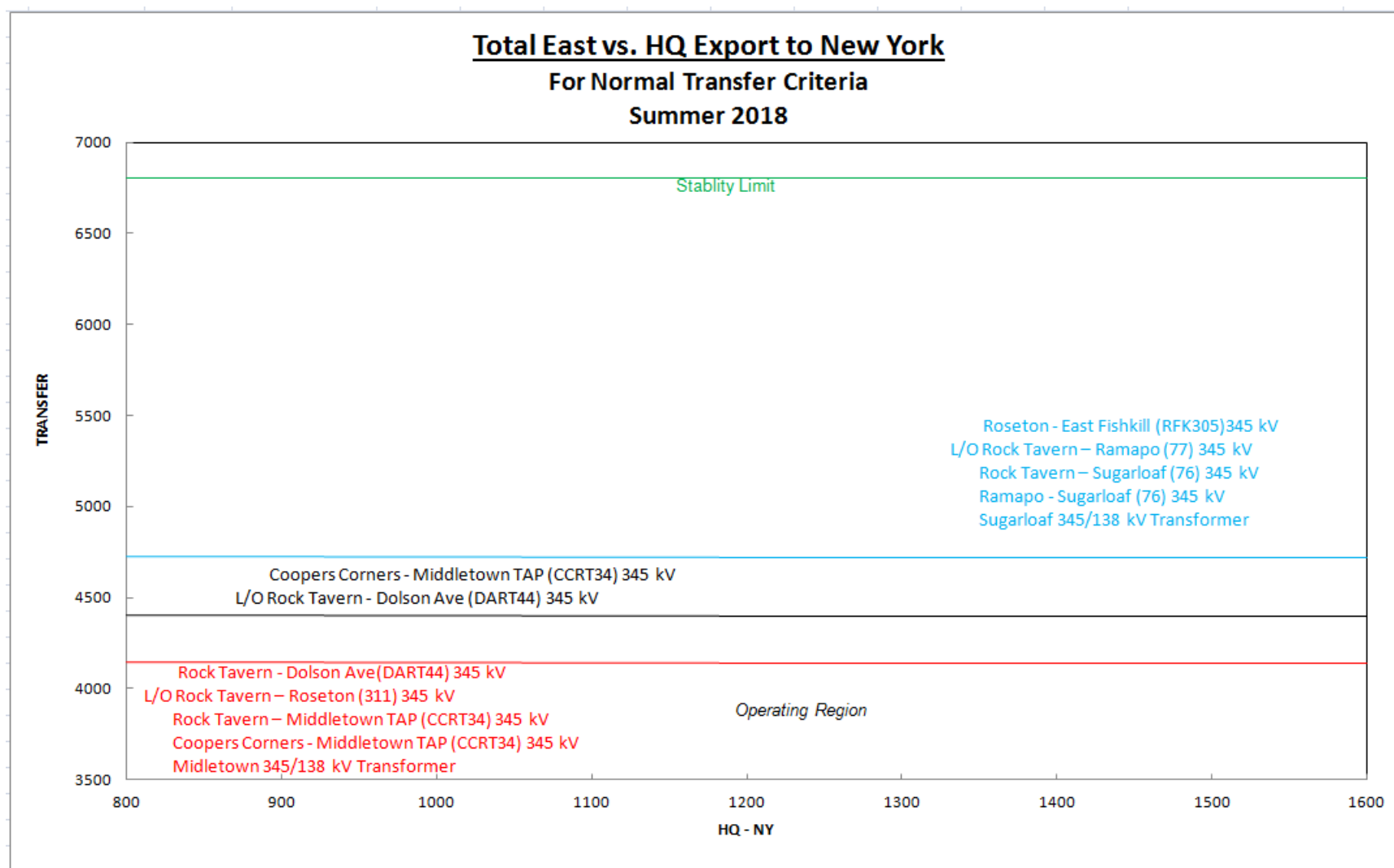
Appendix F – ANNOTATED MUST OUTPUT

This Section Is Available Electronically If Requested

Appendix G – TRANSFER LIMIT SENSITIVITY GRAPHS

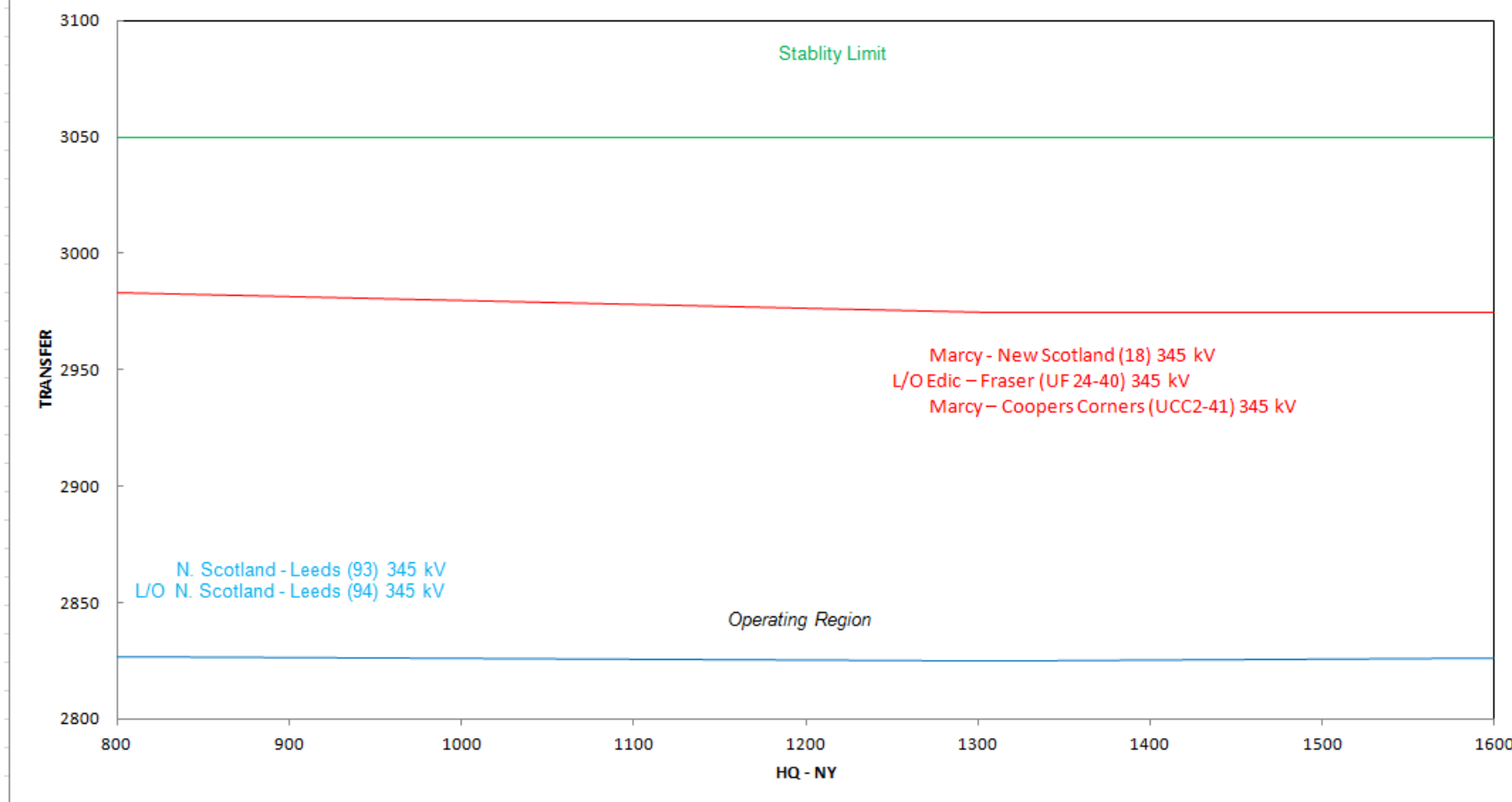
INDEX

1. Total East vs. HQ-NY		G-1
2. Central East vs. HQ-NY		G-2
3. Moses South vs. HQ Export to New York		G-3
4. NE-NY vs. Norwalk-Northport PAR flow for Normal Transfer		G-4
5. NY-NE vs. Norwalk-Northport PAR flow for Normal Transfer		G-5
6. IESO (ONTARIO) – NY Transfer vs. NYCA System Load (All Lines In-Service)		G-6
7. IESO (ONTARIO) – NY Transfer vs. NYCA System Load (68&171 Lines Out-of-Service)		G-7



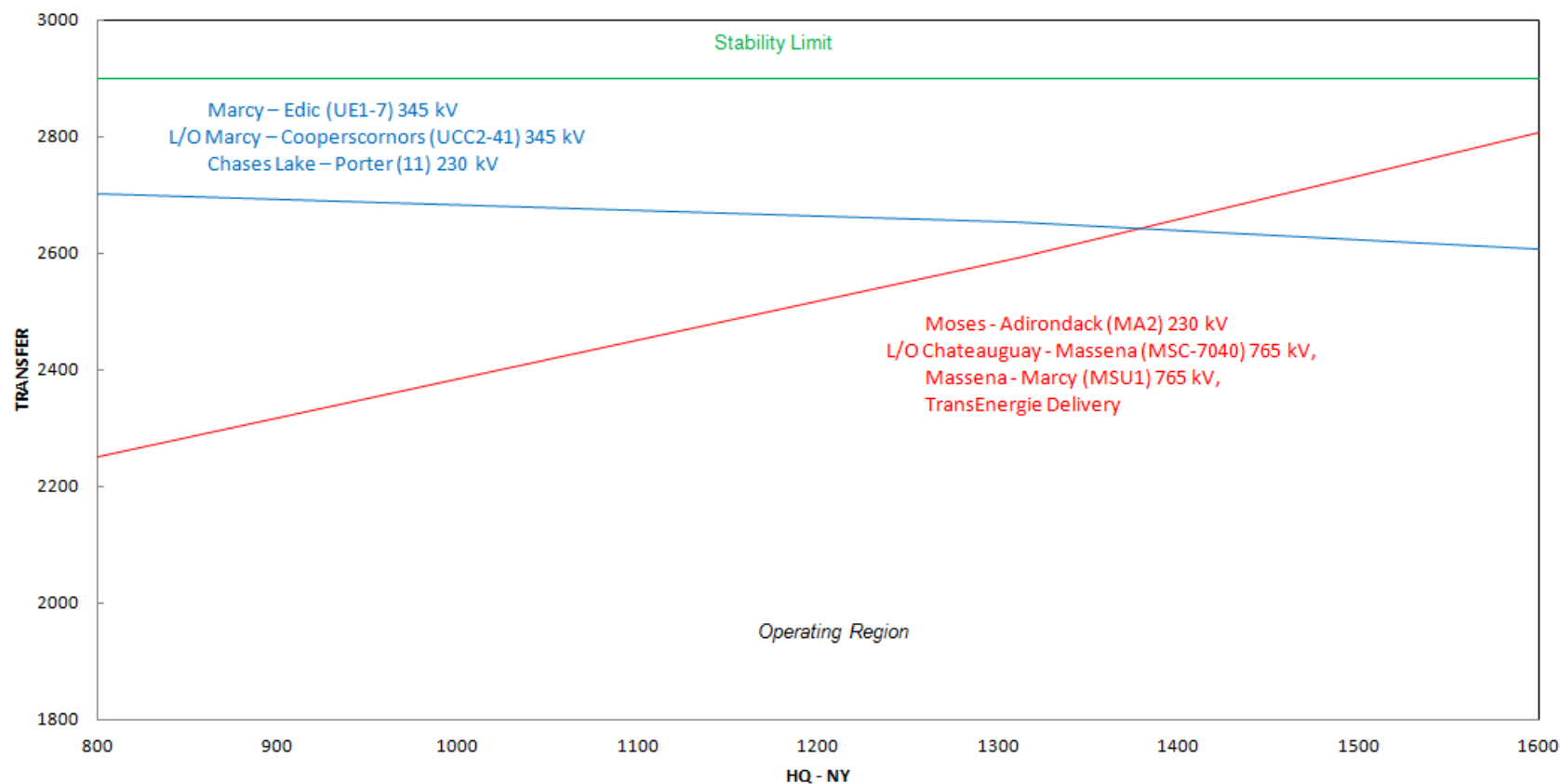
G-1

Central East vs. HQ Export to New York **For Normal Transfer Criteria** **Summer 2018**



G-2

Moses South vs. HQ Export to New York **For Normal Transfer Criteria** **Summer 2018**

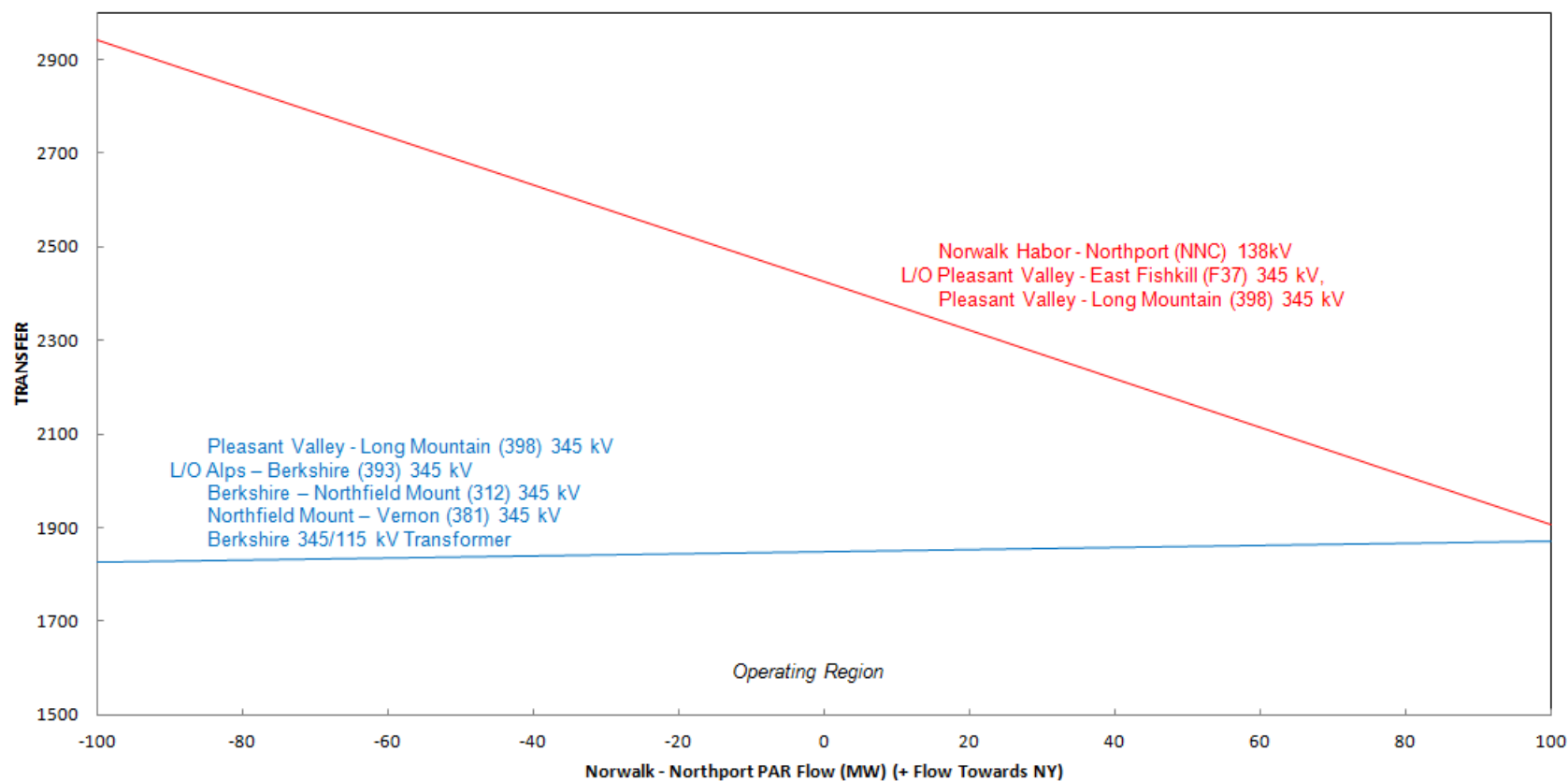


G-3

NE-NY vs. NORWALK-NORTHPORT PAR Flow

For Normal Transfer Criteria

Summer 2018

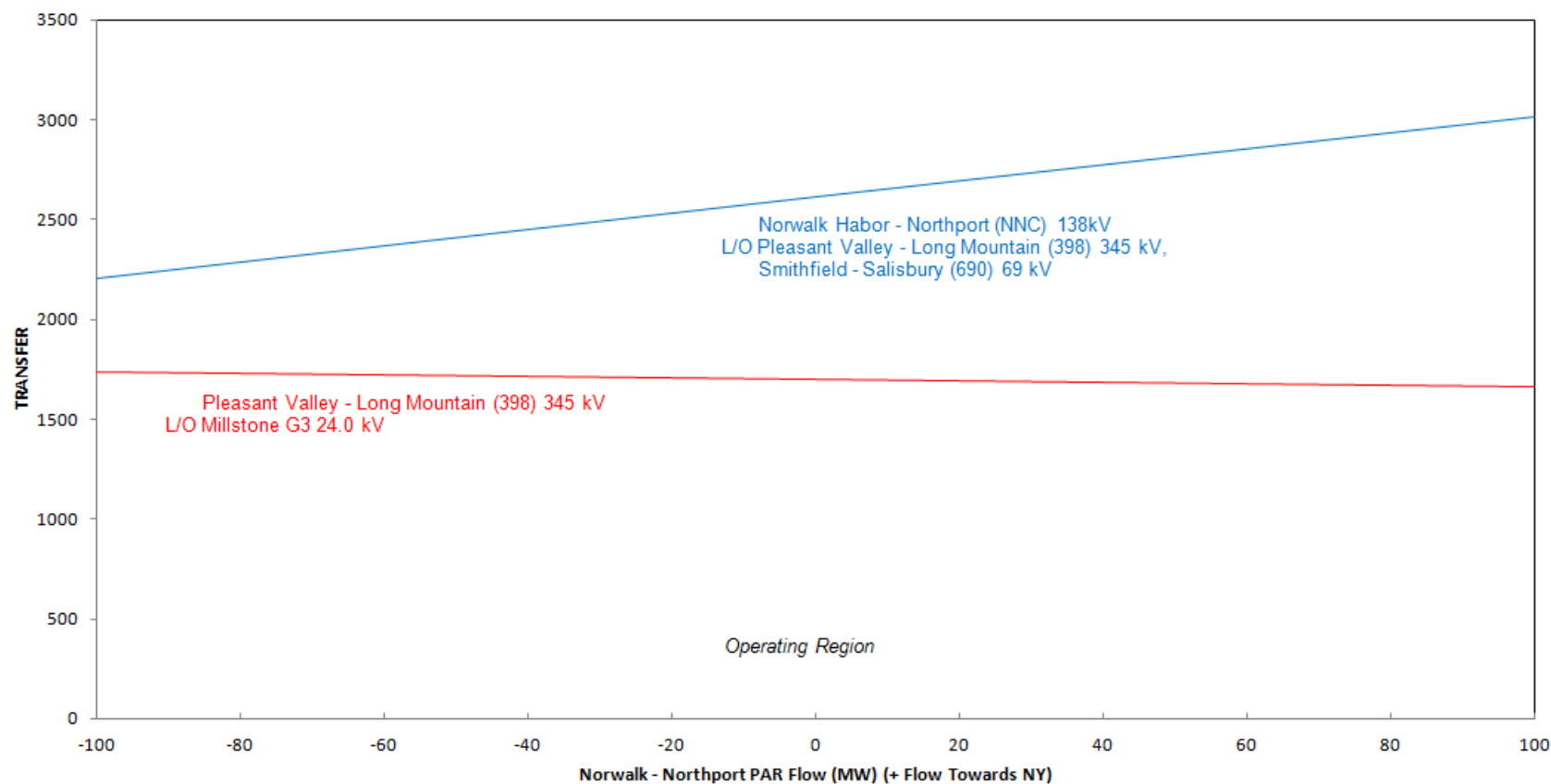


G-4

NY-NE vs. NORWALK-NORTHPORT PAR Flow

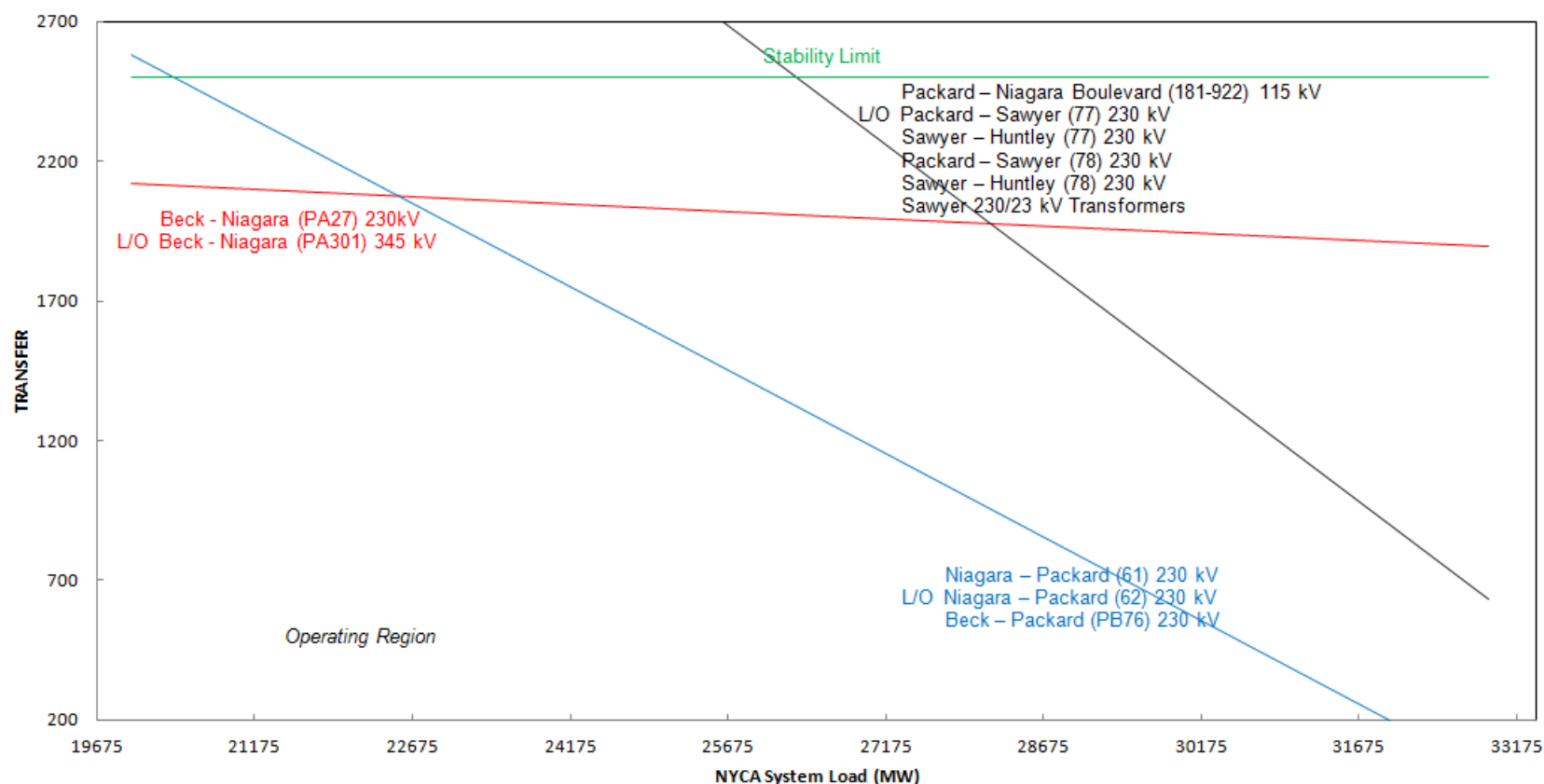
For Normal Transfer Criteria

Summer 2018



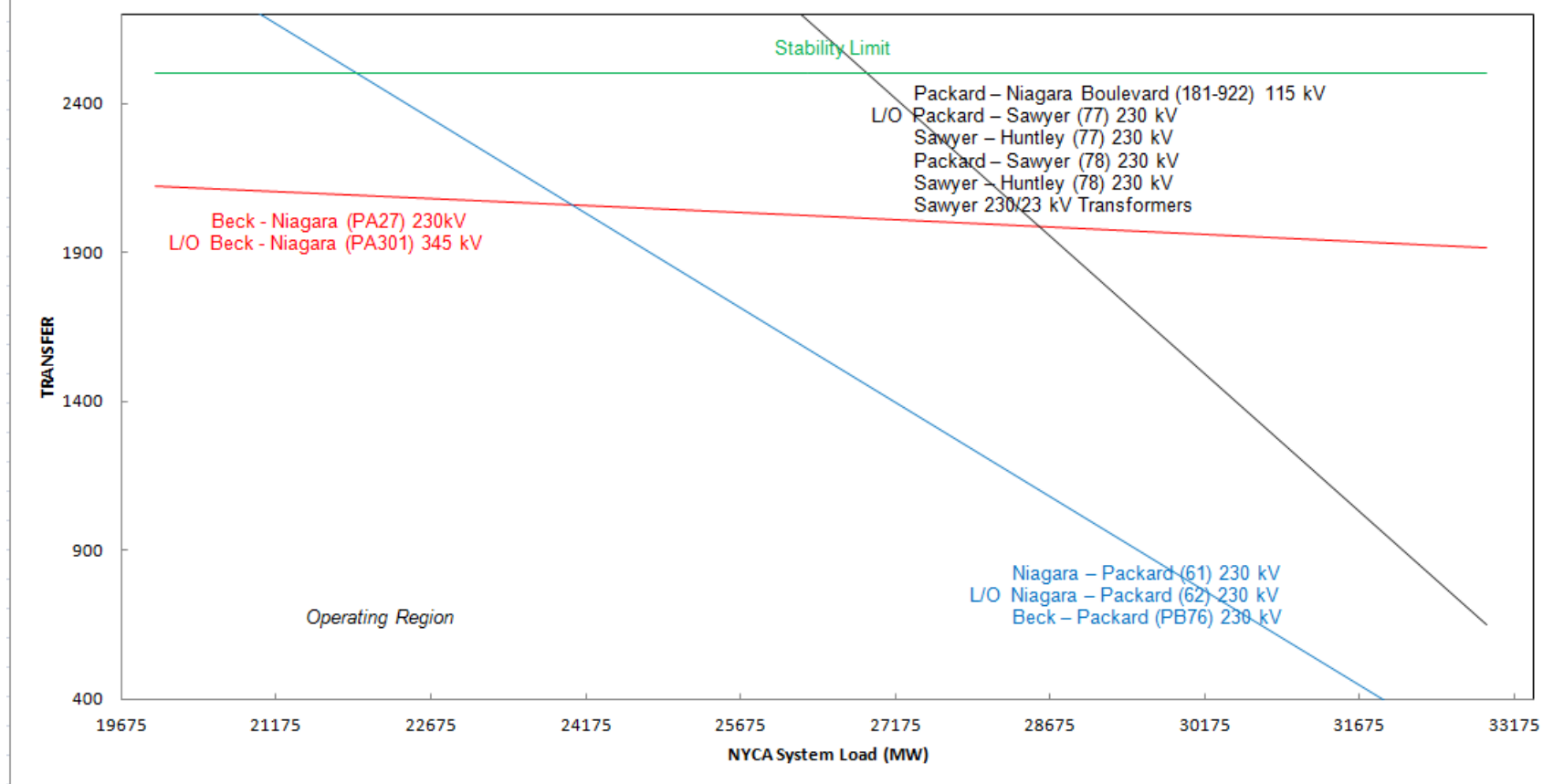
G-5

IESO (Ontario) - NY Transfer vs. NYCA System Load **For Normal Transfer Criteria (All Lines In-Service)** **Summer 2018**



G-6

IESO (Ontario) - NY Transfer vs. NYCA System Load **For Normal Transfer Criteria (68 & 171 Lines Out-of-Service)** **Summer 2018**



G-7

Appendix H – COMPARSION OF TRANSFER LIMITS SUMMER 2018 VS. 2017

Comparison of Summer 2018 to Summer 2017 Thermal Limits

		SUMMER 2018		SUMMER 2017		
Interface		Limit (MW)	Contingency	Limit (MW)	Contingency	Delta
Dysinger East	Normal	675	1	1025	1	-350
	Emergency	1725	2	1725	3	0
UPNY - ConEd	Normal	5050	4	4900	4	150
	Emergency	5775	5	5625	5	150
Sprain Brook Dunwoodie- South	Normal	4200	6	4200	6	0
	Emergency	4225	7	4225	7	0
Con Ed - LIPA	Normal	875	8	875	8	0
	Emergency	1500	9	1500	9	0
Central East	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	2825	11	2625	10	200
	Emergency	3050	12	2750	12	300
	MSC-7040 FLOW	1310 MW		1310 MW		
	Normal	2825	11	2625	10	200
	Emergency	3050	12	2750	12	300
	MSC-7040 FLOW	800 MW		800 MW		
	Normal	2825	11	2625	10	200
	Emergency	3050	12	2750	12	300
Total East ³	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	4125	13	4900	14	-775
	Emergency	4400	16	5300	15	-900
	MSC-7040 FLOW	1310 MW		1310 MW		
	Normal	4125	13	4900	14	-775
	Emergency	4375	16	5300	15	-925
	MSC-7040 FLOW	800 MW		800 MW		
	Normal	4125	13	4900	14	-775
	Emergency	4400	16	5300	15	-900
Moses - South	MSC-7040 FLOW	1600 MW		1600 MW		
	Normal	2600	17	2550	17	50
	Emergency	2675	18	2675	18	0
	MSC-7040 FLOW	1310 MW		1310 MW		
	Normal	2575	19	2550	19	25

³ Limits in this report do not include Neptune in the Total East Interface.

Emergency	2700	20	2700	18	0
MSC-7040 FLOW	800 MW		800 MW		
Normal	2250	19	2225	19	25
Emergency	2250	20	2225	20	25

NYISO SUMMER 2017 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Niagara – Packard (61) 230 kV	STE	846 MW	L/O	Niagara – Packard (62) 230 kV Beck – Packard (BP76) 230 kV
(2)	Packard – Niagara Boulevard (181-922) 230 kV	@NORM	160 MW		Pre-Contingency Loading
(3)	Young – Huntley (133) 115 kV	STE	206 MW	L/O	Buffalo – Huntley (130) 115 kV
(4)	Leeds – Pleasant Valley (92) 345 kV	LTE	1538 MW	L/O	Athens – Pleasant Valley (91) 345 kV
(5)	Leeds – Pleasant Valley (92) 345 kV	STE	1724 MW	L/O	Athens – Pleasant Valley (91) 345 kV
(6)	Mott Haven – Rainey (Q11) 345 kV	MTE	1066 MW	L/O	(SB:RAIN345_7W) Mott Haven – Rainey (Q12) 345 kV Rainey 345/138 kV Transformer 7W Rainey – East 75 St. 138 kV East 75 St. – West 110 St. 138 kV
(7)	Dunwoodie – Mott Haven (71) 345 kV	NORM	707 MW		Pre-Contingency Loading
(8)	Dunwoodie – Shore Rd. (Y50) 345 kV	LTE	914 MW	L/O	Sprain Brook – E.G.C. (Y49) 345 kV Sprain Brook – Academy (M29) 345 kV
(9)	Dunwoodie – Shore Rd. (Y50) 345 kV	NORM	653 MW		Pre-Contingency Loading
(10)	Fraser – Coopers Corners (33) 345 kV	LTE	1721 MW	L/O	Marcy – Fraser Annex (UCC2-41) 345 kV (Series Capacitor) Porter – Rotterdam (31) 230 kV
(11)	Leeds – New Scotland (93) 345 kV	@LTE	1538 MW	L/O	Leeds – New Scotland (94) 345 kV
(12)	Fraser – Coopers Corners (33) 345 kV	STE	1793 MW	L/O	Marcy – Fraser Annex (UCC2-41) 345 kV (Series Capacitor)
(13)	Rock Tavern – Dolson Ave (DART44) 345 kV	@LTE	1852 MW	L/O	Rock Tavern – Roseton (311) 345 kV Rock Tavern–Middletown TAP (CCRT34) 345 kV Coopers Corners–Middletown TAP (CCRT34) 345 kV Middletown 345/138 kV Transformer
(14)	Roseton – East Fishkill (RFK305) 345 kV	LTE	2666 MW	L/O	Rock Tavern – Ramapo (77) 345 kV Rock Tavern – Sugarloaf (76) 345 kV Ramapo – Sugarloaf (76) 345 kV Sugarloaf 345/138 kV Transformer
(15)	Coopers Corners – Middletown TAP (CMT34) 345 kV	STE	1793 MW	L/O	Coopers Corners – Dolson Ave. (CCDA42) 345 kV

(16)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Rock Tavern – Dolson Ave (DART44) 345 kV
(17)	Marcy – Edic (UE1-7) 345 kV	LTE	1650 MW	L/O	Marcy – Fraser Annex (UCC2-41) 345 kV (Series Capacitor) Chases Lake – Porter (11) 230 kV
(18)	Marcy 765/345 kV T2 Transformer	STE	1971 MW	L/O	Marcy 765/345 kV T1 Transformer
(19)	Moses – Adirondack (MA2) 230 kV	LTE	386 MW	L/O	Chateauguay–Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(20)	Browns Falls – Taylorville (4) 115 kV	STE	134 MW	L/O	Chateauguay–Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery

Appendix I – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS											
Monitored Element				Base Flow	TRANSFER	NIAGAR-ROCH	SOMMERSET-ROCH	STOLLE-HIGHSELDON	LOCKPT-SHEL	LOCKPT-SOUR	NIAGAR-ROCH
NIAG 345	345 ROCH 345	345 1	63.28	37.04%	TRIP	53.93%	20.49%	20.01%	22.05%	TRIP	
SOMERSET345	345 ROCH 345	345 1	318.26	25.26%	44.40%	TRIP	13.97%	13.65%	15.04%	0.00%	
STOLE230	230 SHLDN230	230 1	50.62	11.46%	7.11%	5.89%	TRIP	5.68%	6.25%	12.79%	
PALMT115	115 ANDOVER1	115 1	-13.01	1.61%	1.23%	1.02%	10.82%	1.06%	1.16%	2.21%	
LOCKPORT	115 SHEL-113	115 1	21.92	2.89%	4.26%	3.53%	3.48%	TRIP	15.01%	7.67%	
LOCKPORT	115 NAKR-108	115 1	26.15	1.04%	1.53%	1.27%	1.25%	3.49%	3.77%	2.75%	
LOCKPORT	115 OAKFLDTP	115 1	25.21	1.21%	1.79%	1.48%	1.46%	4.07%	4.40%	3.21%	
LOCKPORT	115 SOUR-111	115 1	14.8	2.93%	4.32%	3.58%	3.53%	13.81%	TRIP	7.77%	
LOCKPORT	115 TELRD107	115 1	42.98	1.40%	2.07%	1.71%	1.69%	6.32%	6.24%	3.72%	
LOCKPORT	115 TELRD114	115 1	26.78	2.87%	4.24%	3.52%	3.47%	18.56%	11.38%	7.63%	
SUB-TOTALS					87.70%	70.95%	75.93%	60.16%	86.65%	85.29%	47.75%
L33P-L34P				12.99	0.00%	11.47%	9.50%	9.29%	4.35%	4.80%	20.63%
PJM-NYISO				704.65	12.30%	17.58%	14.57%	30.55%	9.00%	9.92%	31.62%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitored Element				Base Flow	TRANSFER	CLAY-PANNELL	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH	PANNEL-CLAY
CLAY	345	PANNELL3	345 1	-411.35	30.01%	TRIP	10.41%	21.73%	18.25%	O/S
CLAY	345	PANNELL3	345 2	-412.68	30.11%	55.59%	10.44%	21.80%	18.31%	TRIP
STOLE230	230	SHLDN230	230 1	50.62	11.46%	3.06%	TRIP	8.18%	2.38%	6.90%
FRMGTN-4	115	PANNELLI	115 1	105.08	3.43%	6.21%	7.93%	TRIP	16.09%	13.97%
LAWLER-1	115	MORTIMER	115 1	-24.13	5.05%	5.47%	2.23%	10.37%	9.18%	12.31%
MACDN115	115	QUAKER	115 1	35.31	0.31%	0.47%	0.37%	3.47%	18.58%	1.06%
MORTIMER	115	LAWLER-2	115 1	-1.29	2.94%	3.19%	1.29%	5.35%	5.37%	7.19%
SLEIG115	115	S121 B#2	115 1	41.22	2.54%	3.67%	1.62%	11.32%	TRIP	8.26%
PALMT115	115	ANDOVER1	115 1	-13.01	1.61%	0.27%	10.82%	2.30%	0.42%	0.60%
S.PER115	115	STA 162	115 1	24.59	0.25%	1.82%	15.05%	4.85%	1.84%	4.09%
SUB-TOTALS					87.70%	79.74%	60.16%	89.37%	90.43%	54.38%
2 PJM-NYISO				12.99	0.00%	8.07%	9.29%	2.80%	3.31%	18.17%
2 PJM-NYISO				704.65	12.30%	12.19%	30.55%	7.83%	6.25%	27.45%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element			Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	WALDWK-SMAWA	PORTER-RTRDM	HOPATCONG-RAMPO	LINDEN-GOETH	WALDWK-SMAWA	MARION-FARGT
COOPC345	345 DOLSON_AVE	345 2	437.23	19.12%	7.94%	17.99%	8.30%	0.47%	4.72%	4.78%	0.67%	4.31%	0.71%
EDIC	345 N.SCOT77	345 1	533.45	16.61%	TRIP	19.33%	30.59%	0.17%	13.61%	2.29%	1.20%	1.54%	2.05%
FRASR345	345 GILB 345	345 1	33.62	16.82%	24.03%	TRIP	24.44%	0.16%	10.37%	2.63%	1.87%	1.42%	3.33%
N.SCOT99	345 MARCY T1	345 1	594.06	17.58%	32.03%	20.59%	TRIP	0.18%	14.26%	2.42%	1.29%	1.63%	2.19%
ROCK TAV	345 MDTN TAP	345 1	442.69	17.04%	7.46%	16.76%	7.80%	0.52%	4.43%	3.97%	0.78%	3.41%	1.05%
SMAHWAH1	345 WALDWICK	345 1	-163.48	-0.14%	1.40%	0.99%	1.41%	89.28%	0.87%	25.05%	8.26%	O/S	21.29%
SMAHWAH2	345 WALDWICK	345 1	-273.83	0.14%	1.39%	1.07%	1.40%	TRIP	0.86%	24.56%	7.92%	TRIP	20.44%
PORTER 2	230 ROTRDM.2	230 1	215.89	4.16%	5.33%	3.27%	5.33%	0.04%	TRIP	0.56%	0.31%	0.37%	0.52%
PORTER 2	230 ROTRDM.2	230 2	217.03	4.18%	5.36%	3.29%	5.36%	0.04%	31.85%	0.57%	0.31%	0.38%	0.53%
MDTN TAP	345 SHOEMTAP	138 1	253.45	2.91%	0.68%	1.73%	0.71%	-0.06%	0.41%	1.13%	-0.16%	1.25%	-0.46%
SMAHWAH1	345 SMAH138	138 1	-159.59	0.41%	-0.01%	0.13%	-0.01%	-3.44%	-0.01%	-0.59%	-0.46%	0.46%	-1.14%
CORPORATE DR	138 HCOR138	138 1	-78.54	-0.02%	0.00%	-0.01%	0.00%	0.04%	0.00%	0.02%	0.00%	0.01%	-0.01%
RAMP138	138 SMAH138	138 1	-94.8	-0.25%	0.02%	-0.07%	0.02%	2.75%	0.01%	0.57%	0.33%	-0.25%	0.82%
E.SPR115	115 INGHAM-E	115 1	-20.24	0.99%	-0.06%	2.16%	-0.05%	0.01%	0.94%	0.16%	0.08%	0.10%	0.14%
INGMS-CD	115 INGHAM-E	115 1	119.86	0.00%	3.40%	0.95%	3.38%	0.02%	9.15%	0.27%	0.14%	0.18%	0.25%
NE_PV20_NY	115 PLAT T#3	115 1	102.98	0.00%	2.70%	1.76%	2.84%	0.04%	3.15%	0.58%	0.32%	0.39%	0.54%
W.WDB115	115 W.WDBR69	69.0 1	21.37	0.61%	0.52%	1.09%	0.54%	0.00%	0.38%	0.05%	0.08%	0.00%	0.15%
BLUHILL	69.0 MONTVALE	69.0 1	5.31	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	5.31	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	-37.44	-0.31%	-0.05%	-0.14%	-0.05%	0.44%	-0.03%	0.00%	0.06%	-0.13%	0.15%
L491T	69.0 MONTVALE	69.0 1	-36.64	0.03%	0.01%	0.02%	0.01%	0.10%	0.01%	0.02%	0.02%	-0.02%	0.05%
SPARKILL	69.0 CRESSKIL	69.0 1	-8.13	0.03%	0.01%	0.02%	0.01%	0.02%	0.01%	-0.01%	0.01%	-0.02%	0.03%
WNYA69	69.0 HCOR69	69.0 1	-2.17	0.11%	0.03%	0.06%	0.03%	0.08%	0.02%	-0.02%	0.05%	-0.07%	0.10%
PEARL34	34.5 HCOR34	34.5 1	0.34	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
SUB-TOTALS				100.00%	92.18%	90.95%	92.05%	90.87%	94.99%	69.01%	23.07%	14.98%	52.72%
RAMAPO 5	500 HOPATCONG	500 1	359.63	0.00%	2.85%	2.63%	2.87%	3.69%	1.78%	TRIP	10.06%	34.09%	15.39%
NEPTCONV	345 NWBRG	345 1	661.09	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	313.96	0.00%	0.32%	0.40%	0.32%	0.25%	0.20%	2.14%	14.98%	2.37%	7.29%
B3402 PAR1	345 MARION	345 1	150.08	0.00%	1.85%	2.41%	1.89%	2.22%	1.20%	11.16%	26.29%	20.78%	O/S
C3403 PAR2	345 MARION	345 1	149.59	0.00%	1.80%	2.35%	1.84%	2.17%	1.17%	10.87%	25.60%	20.24%	TRIP
GOETHALS	230 LINDEN	230 1	100.69	0.00%	1.01%	1.27%	1.03%	0.81%	0.66%	6.82%	TRIP	7.54%	24.60%
TOTALS				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

Monitored Element				Base Flow	TRANSFER	LADNTW-BUCHS	RAMAPO-BUCHN	PLVLVLY-FISHK	PLVLVLY-MILLW	ROSETN-FISHK	LINDEN-GOETH
BUCHANAN S	345	LADENTWN	345 1	844.81	17.66%	TRIP	53.44%	-4.01%	19.65%	26.52%	12.98%
BUCHANAN N	345	RAMAPO	345 1	331.2	15.79%	40.00%	TRIP	-0.41%	4.34%	14.70%	8.97%
E FISHKILL	345	PLTVLLEY	345 1	250.18	7.73%	-7.61%	-1.04%	TRIP	23.86%	31.77%	0.35%
E FISHKILL	345	PLTVLLEY	345 2	250.18	7.73%	-7.61%	-1.04%	65.88%	23.86%	31.77%	0.35%
MILLWOOD	345	PLTVLLEY	345 1	673.57	15.59%	13.81%	4.07%	8.84%	TRIP	-9.89%	1.53%
PLTVLLEY	345	WOOD B	345 1	705.55	15.40%	13.36%	4.03%	9.23%	33.78%	-9.58%	1.52%
ROSETON	345	E FISHKILL	345 1	1360.63	17.49%	25.35%	18.77%	16.01%	-13.46%	TRIP	5.63%
E FISH I	115	E FISHKILL	345 1	-55.74	1.71%	0.91%	0.82%	2.64%	-0.49%	6.02%	0.31%
E FISH I	115	E FISHKILL	345 2	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
FISHKILL	115	SYLVN115	115 1	122.54	0.90%	0.67%	0.40%	0.04%	0.74%	0.41%	0.14%
SUB_TOTALS					100.00%	78.87%	79.44%	98.21%	92.27%	91.71%	31.77%
B3402 PAR1	345	MARION	345 1	150.08	0.00%	7.89%	7.23%	0.08%	1.12%	3.46%	26.29%
C3403 PAR2	345	MARION	345 1	149.59	0.00%	7.68%	7.04%	0.07%	1.09%	3.37%	25.60%
GOETHALS	230	LINDEN	230 1	100.69	0.00%	3.47%	3.21%	0.05%	0.58%	1.58%	TRIP
COGNTECH	345	G22_VFT345KV	345 1	313.96	0.00%	1.09%	1.01%	0.02%	0.18%	0.49%	14.98%
NRTHPT P	138	NRTHPT1	138 1	99.94	0.00%	1.00%	2.07%	1.67%	4.76%	-0.61%	1.36%
TOTALS					100.00%	100.00%	100.00%	100.09%	100.00%	100.00%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element			Base Flow	DS_G_SHIFT	OPPOSING	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-JAMAICA	LKSUC-JMAICA	REAC72-MOTT
REAC71	345 MOTT HAVEN	345 3	527.48	0.00%	-25.69%	25.69%	TRIP	3.32%	18.41%	5.51%	5.58%	26.44%
REAC72	345 MOTT HAVEN	345 4	523.88	0.00%	-25.51%	25.51%	22.14%	3.29%	18.28%	5.47%	5.54%	TRIP
SPRAINBROOK	345 TREMONT	345 1	401.06	0.00%	0.00%	0.00%	2.39%	TRIP	2.63%	5.53%	5.29%	2.96%
SPRAINBROOK	345 ACADEMY	345 1	301.03	0.00%	0.00%	0.00%	2.12%	22.68%	2.35%	4.93%	4.72%	2.63%
W 49 ST	345 REACM51	345 1	536.24	0.00%	-24.40%	24.40%	18.01%	3.58%	TRIP	5.49%	5.33%	O/S
W 49 ST	345 REACM52	345 2	536.24	0.00%	-24.40%	24.40%	18.01%	3.58%	20.76%	5.49%	5.33%	22.45%
DUN NO1R	138 S CREEK W	138 1	114.77	0.00%	0.00%	0.00%	1.40%	13.45%	1.30%	2.94%	2.87%	1.69%
DUN NO2R	138 S CREEK E	138 1	114.92	0.00%	0.00%	0.00%	1.58%	15.08%	1.46%	3.29%	3.21%	1.90%
DUN SO1R	138 E179 ST W	138 1	179.73	0.00%	0.00%	0.00%	1.98%	19.08%	1.85%	4.16%	4.06%	2.38%
JAMAICA	138 V STRM P	138 1	99.03	0.00%	0.00%	0.00%	4.14%	5.76%	4.22%	TRIP	50.61%	5.06%
JAMAICA	138 L SUCSPH	138 1	200.03	0.00%	0.00%	0.00%	4.03%	5.31%	3.94%	48.69%	TRIP	4.89%
SUB-TOTALS						100.00%	75.79%	95.12%	75.18%	91.52%	92.55%	70.39%
B3402 PAR1	345 MARION	345 1	150.08	0.00%	0.00%	0.00%	9.62%	1.58%	9.88%	3.30%	2.91%	11.77%
C3403 PAR2	345 MARION	345 1	149.59	0.00%	0.00%	0.00%	9.35%	1.54%	9.63%	3.22%	2.83%	11.45%
GOETHALS	230 LINDEN	230 1	100.69	0.00%	0.00%	0.00%	3.99%	1.34%	4.04%	1.50%	1.31%	4.87%
COGNTECH	345 G22_VFT345KV	345 1	313.96	0.00%	0.00%	0.00%	1.25%	0.41%	1.27%	0.47%	0.41%	1.53%
TOTALS						100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS

Monitored Element				Base Flow	TRANSFER	MASSEN_CHAT	MASSEN-MARCY	MOSES2-ADRON	MOSES2-ADRONB1
MARCY765	765 MASS 765	765 1		1402.91	74.19%	66.29%	TRIP	43.53%	O/S
ADRON B1	230 MOSES W	230 1		137.55	9.47%	3.32%	18.31%	TRIP	TRIP
ADRON B2	230 MOSES W	230 1		137.59	9.47%	3.32%	18.31%	36.29%	48.09%
ALCOA-NM	115 BRADY	115 1		22.44	1.12%	0.44%	2.11%	0.74%	1.80%
ALLENS F	115 COLTON	115 1		9.6	1.57%	0.28%	1.80%	0.65%	1.55%
ANDRWS-4	115 DENNISON	115 1		30.17	2.09%	0.82%	3.97%	1.38%	3.38%
DENNISON	115 LWRNCE-B	115 1		28.89	2.10%	0.82%	3.97%	1.39%	3.38%
SUB_TOTALS					100.00%	75.29%	48.46%	83.98%	58.21%
MOSES E	230 ST_LAWR_L33P	230 1		-5.5	0.00%	8.99%	16.55%	5.03%	13.29%
MOSES E	230 ST_LAWR_L34P	230 1		-7.5	0.00%	12.08%	22.25%	6.76%	17.87%
MOSES W	230 WILLIS E	230 1		-10.36	0.73%	1.94%	7.15%	2.40%	5.99%
MOSES W	230 WILLIS W	230 1		-10.3	0.73%	1.93%	7.11%	2.39%	5.96%
TOTALS					101.46%	100.22%	101.52%	100.55%	101.32%

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS

Monitored 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	-52.2	34.49%	19.12%	30.82%	30.67%	21.06%	30.81%	30.81%	TRIP	37.03%
NE_398_NY	345 PLTVLLEY	345 1	34.13	52.58%	49.04%	34.10%	34.36%	21.67%	34.08%	34.08%	44.78%	TRIP
NE_E205W_NY	230 EASTOVER RD	230 1	0.6	8.82%	4.73%	8.06%	8.13%	4.16%	8.05%	8.05%	17.39%	8.26%
NE_K7_NY	115 WHITEHAL	115 1	24.37	0.00%	2.31%	4.65%	4.54%	6.73%	4.66%	4.66%	8.82%	4.26%
NE_K6_NY	115 HOOSICK	115 1	11.58	2.92%	1.56%	2.53%	2.54%	1.39%	2.53%	2.53%	8.10%	2.81%
NE_PV20_NY	115 PLAT T#3	115 1	-102.98	0.00%	4.05%	7.12%	6.96%	36.27%	7.16%	7.16%	7.59%	5.09%
NE_690_NY	69.0 SMITHFLD	69.0 1	-3.9	1.19%	1.11%	0.82%	0.83%	0.51%	0.82%	0.82%	1.17%	2.82%
NE_601_NY	138 NRTHPT P	138 1	33.49	0.00%	6.06%	3.98%	4.01%	2.75%	3.98%	3.98%	4.06%	13.30%
NE_602_NY	138 NRTHPT P	138 2	33.39	0.00%	6.04%	3.97%	3.99%	2.74%	3.97%	3.97%	4.05%	13.26%
NE_603_NY	138 NRTHPT P	138 3	33.16	0.00%	6.00%	3.94%	3.97%	2.72%	3.94%	3.94%	4.02%	13.17%
SHM DC	138 SHOREHAM2	138 1	329.49	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

Monitored Element			Base Flow	TRANSFER	BECKB-NIAGAR	PA27-NIAGAR	BP76-PACKD2	STLAWR34-MOSES	STLAWR33-MOSES	BECKA-PA301
NIAG 345	345 BECK_#2_H301	345 1	-58.57	33.67%	56.38%	33.95%	31.79%	7.08%	8.53%	TRIP
NIAG 345	345 BECK_#2_H302	345 1	-58.58	33.67%	TRIP	33.95%	31.79%	7.08%	8.53%	O/S
NIAGAR2W	230 BECK_#2_PA27	230 1	11.78	17.12%	0.20616	TRIP	30.05%	3.70%	4.46%	47.26%
PACKARD2	230 BECK_#2_BP76	230 1	96.16	15.54%	0.16844	26.22%	TRIP	3.38%	4.07%	38.61%
MOSES E	230 ST_LAWR_L33P	230 1	5.5	0.00%	0.01111	0.96%	1.00%	TRIP	59.43%	2.55%
MOSES E	230 ST_LAWR_L34P	230 1	7.5	0.00%	0.01494	1.29%	1.35%	66.33%	TRIP	3.42%
SUB-TOTALS				100.00%	96.44%	96.36%	95.97%	87.55%	85.00%	91.84%
1 ON-MICH			-3.04	0.00%	3.35%	3.43%	3.79%	11.54%	13.91%	7.67%
TOTALS				100.00%	99.79%	99.78%	99.76%	99.10%	98.91%	99.51%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	HOPATCONG-RAMPO	HUDSON-FARGT	LINDEN-GOETH	WALDWK-SMAWA	PIERCE-5MILE	MAIN-WATER	E.TOWD-HILLS	WALDWK-SMAWA	MARION-FARGT
RAMAPO 5	500	HOPATCONG	500 1	359.63	0.00%	TRIP	7.88%	10.06%	3.69%	9.31%	9.79%	8.93%	34.09%	15.39%
COGNTECH	345	G22_VFT345KV	345 1	313.96	0.00%	2.14%	3.73%	14.98%	0.25%	0.73%	0.76%	0.58%	2.37%	7.29%
B3402 PAR1	345	MARION	345 1	150.08	0.00%	11.16%	TRIP	26.29%	2.22%	4.00%	4.16%	3.25%	20.78%	O/S
C3403 PAR2	345	MARION	345 1	149.59	0.00%	10.87%	48.83%	25.60%	2.17%	3.89%	4.05%	3.16%	20.24%	TRIP
GOETHALS	230	LINDEN	230 1	100.69	0.00%	6.82%	12.58%	TRIP	0.81%	2.36%	2.47%	1.85%	7.54%	24.60%
NEPTCONV	345	NWBRG	345 1	661.09	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	-163.48	-0.06%	25.05%	10.90%	8.26%	89.28%	5.61%	5.97%	4.61%	O/S	21.29%
SMAHWAH2	345	WALDWICK	345 1	-273.83	0.06%	24.56%	10.46%	7.92%	TRIP	5.27%	5.61%	4.32%	TRIP	20.44%
5MILE345	345	26PIERCEBRK	345 1	112.9	30.36%	2.81%	0.85%	1.05%	0.24%	TRIP	15.12%	6.69%	2.26%	1.67%
NY_HOMER_STO	345	26HOMER CY	345 Z1	281.07	17.94%	1.70%	0.52%	0.65%	0.15%	-55.29%	10.37%	1.27%	1.39%	1.03%
NY_PIERCEBRK	345	26PIERCEBRK	345 Z1	-277.61	-17.94%	-1.70%	-0.52%	-0.65%	-0.15%	55.29%	-10.37%	-1.27%	-1.39%	-1.03%
WATRC345	345	26MAINESBURG	345 1	10.57	30.62%	3.75%	1.13%	1.40%	0.32%	19.19%	TRIP	24.83%	3.05%	2.20%
NY_HOMER_WAT	345	26HOMER CY	345 Z1	119.25	25.53%	2.93%	0.91%	1.14%	0.26%	14.46%	-63.08%	9.96%	2.47%	1.78%
NY_MAINESBUR	345	26MAINESBURG	345 Z1	-118.43	-25.53%	-2.93%	-0.91%	-1.14%	-0.26%	-14.46%	63.08%	-9.96%	-2.47%	-1.78%
HILSD230	230	26E.TWANDA	230 1	-81.3	23.65%	3.71%	0.95%	1.14%	0.27%	9.21%	26.91%	TRIP	2.55%	1.86%
SMAHWAH1	345	SMAH138	138 1	-159.59	0.18%	-0.59%	-0.58%	-0.46%	-3.44%	-0.46%	-0.50%	-0.40%	0.46%	-1.14%
FALCONER	115	26WARREN	115 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S
N.WAV115	115	26E.SAYRE	115 1	-29.83	8.05%	1.23%	0.32%	0.38%	0.09%	3.31%	8.41%	24.38%	0.86%	0.63%
WESTOVER115	115	26LAUREL L	115 1	-87.02	7.32%	1.21%	0.31%	0.37%	0.09%	1.42%	3.68%	8.97%	0.84%	0.61%
CORPORATE DR	138	HCOR138	138 1	-78.54	-0.01%	0.02%	0.00%	0.00%	0.04%	0.00%	0.00%	0.00%	0.01%	-0.01%
RAMP138	138	SMAH138	138 1	-94.8	-0.11%	0.57%	0.42%	0.33%	2.75%	0.31%	0.34%	0.27%	-0.25%	0.82%
BLUHILL	69.0	MONTVALE	69.0 1	5.31	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	5.31	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	-37.44	-0.14%	0.00%	0.08%	0.06%	0.44%	0.14%	0.16%	0.13%	-0.13%	0.15%
L491T	69.0	MONTVALE	69.0 1	-36.64	0.02%	0.02%	0.02%	0.02%	0.10%	0.00%	0.00%	0.00%	-0.02%	0.05%
SPARKILL	69.0	CRESSKIL	69.0 1	-8.13	0.01%	-0.01%	0.02%	0.01%	0.02%	0.00%	0.00%	0.00%	-0.02%	0.03%
WNYA69	69.0	HCOR69	69.0 1	-2.17	0.05%	-0.02%	0.05%	0.05%	0.08%	0.00%	0.00%	0.00%	-0.07%	0.10%
PEARL34	34.5	HCOR34	34.5 1	0.34	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
SUB-TOTALS					100.00%	93.32%	97.94%	97.45%	99.42%	64.28%	86.93%	91.58%	94.57%	95.98%
1 MICH-ON				3.04	0.00%	6.24%	1.92%	2.38%	0.54%	33.55%	12.26%	7.89%	5.08%	3.76%
TOTALS					100.00%	99.56%	99.87%	99.83%	99.96%	97.83%	99.19%	99.47%	99.65%	99.74%

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

Monitored Element	CENTRAL-EAST	ONT-NYISO	ONTARIO-MICH	PJM-NYISO	WEST-CENTRAL	BBURG-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1763.09	3.87	-3.11	671.18	-605.56	359.69	766.06	1560.48
DUM1	41.94%	0.00%	0.00%	0.00%	85.51%	0.00%	17.95%	40.76%
DUM2	41.94%	0.00%	0.00%	0.00%	85.51%	0.00%	17.95%	40.76%
NIAGARA	41.94%	0.00%	0.00%	0.00%	85.51%	0.00%	17.95%	40.76%
OSWEGO	45.60%	0.00%	0.00%	0.00%	-1.58%	0.00%	20.28%	44.87%
GILBOA	0.06%	0.00%	0.00%	0.00%	0.18%	0.00%	6.84%	-0.25%
BETH	-17.93%	0.00%	0.00%	0.00%	-0.17%	0.00%	9.10%	-15.96%
ATHENS	-7.21%	0.00%	0.00%	0.00%	-0.04%	0.00%	5.53%	-7.09%
ROSETON	-0.12%	0.00%	0.00%	0.00%	0.00%	0.00%	0.12%	-0.13%
BOWLINE	1.84%	0.00%	0.00%	0.00%	0.01%	0.00%	-1.29%	1.77%
INDIANPT2	1.42%	0.00%	0.00%	0.00%	0.01%	0.00%	-1.00%	1.37%
SBRK	-10.74%	0.00%	0.00%	0.00%	-0.11%	0.00%	5.97%	-10.02%
BECK	42.30%	100.00%	0.00%	0.00%	87.70%	0.00%	18.17%	41.15%
CONEMAUGH	37.18%	0.00%	0.00%	100.00%	29.61%	0.00%	15.01%	35.46%
SALEM	37.11%	0.00%	0.00%	100.00%	28.43%	0.00%	14.97%	35.37%
PORTLAND	37.08%	0.00%	0.00%	100.00%	27.90%	0.00%	14.95%	35.33%
HUDSON	37.09%	0.00%	0.00%	100.00%	28.01%	0.00%	14.95%	35.34%
EDDYSTONE	37.11%	0.00%	0.00%	100.00%	28.40%	0.00%	14.97%	35.37%
BRANDON	37.16%	0.00%	0.00%	100.00%	29.15%	0.00%	15.00%	35.42%
KARNS	37.21%	0.00%	0.00%	100.00%	30.01%	0.00%	15.03%	35.49%
ZEEL	37.21%	0.00%	0.00%	100.00%	30.01%	0.00%	15.03%	35.49%
BOWEN	37.20%	0.00%	0.00%	100.00%	29.84%	0.00%	15.03%	35.48%
BAYSHORE	37.22%	0.00%	0.00%	100.00%	30.10%	0.00%	15.04%	35.49%
MTSTORM	37.19%	0.00%	0.00%	100.00%	29.68%	0.00%	15.02%	35.46%
HATFIELD	37.20%	0.00%	0.00%	100.00%	29.80%	0.00%	15.02%	35.47%
NEWTON	37.21%	0.00%	0.00%	100.00%	29.93%	0.00%	15.03%	35.48%
HOPATCONG-RAMAPO	-6.84%	-6.68%	6.24%	17.84%	-6.04%	TRIP	-3.95%	-5.84%

Table-10b GENERATION SHIFT FACTORS WITH ALL PAR ANGLES FIXED								
Monitored Element	CENTRAL-EAST	ONT-NYISO	ONTARIO-MICH	PJM-NYISO	WEST-CENTRAL	BBURG-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1763.09	3.87	-3.11	671.18	-605.56	359.69	766.06	1560.48
DUM1	26.82%	-20.70%	19.42%	4.55%	52.23%	4.92%	10.45%	23.18%
DUM2	26.82%	-20.70%	19.42%	4.55%	52.23%	4.92%	10.45%	23.18%
NIAGARA	26.82%	-20.70%	19.42%	4.55%	52.23%	4.92%	10.45%	23.18%
OSWEGO	36.32%	-10.40%	9.73%	-3.56%	-13.05%	-0.23%	15.30%	32.52%
GILBOA	-6.00%	-5.29%	4.95%	-7.01%	-5.05%	-3.44%	4.27%	-6.25%
BETH	-24.24%	-5.65%	5.28%	-6.38%	-4.77%	-3.53%	6.88%	-19.20%
ATHENS	-12.05%	-4.31%	4.02%	-7.26%	-3.91%	-4.37%	3.66%	-11.46%
ROSETON	-3.28%	-2.58%	2.41%	-8.67%	-2.35%	-6.03%	-0.85%	-2.98%
BOWLINE	0.19%	-0.99%	0.92%	-11.91%	-0.92%	-9.17%	-1.33%	0.15%
INDIANPT2	-0.24%	-1.02%	0.95%	-10.66%	-0.94%	-8.17%	-1.08%	-0.22%
SBRK	-17.95%	-4.78%	4.46%	-6.44%	-3.38%	-3.99%	4.76%	-10.61%
BECK	27.08%	73.61%	24.78%	10.21%	48.25%	4.99%	10.53%	23.27%
CONEMAUGH	11.04%	9.99%	-9.37%	69.72%	9.72%	14.48%	3.47%	9.41%
SALEM	7.27%	6.19%	-5.78%	72.23%	5.57%	16.22%	1.91%	6.19%
PORTLAND	6.06%	4.32%	-4.04%	73.56%	3.89%	15.05%	1.40%	5.16%
HUDSON	2.95%	1.73%	-1.62%	73.49%	1.55%	6.18%	0.13%	2.51%
EDDYSTONE	7.27%	6.14%	-5.74%	72.32%	5.53%	16.39%	1.91%	6.19%
BRANDON	10.10%	10.54%	-9.82%	68.82%	9.03%	14.99%	3.09%	8.59%
KARNS	15.74%	26.28%	-25.29%	54.59%	17.83%	11.73%	5.50%	13.35%
ZEEL	15.56%	25.63%	-24.56%	55.20%	17.52%	11.84%	5.42%	13.20%
BOWEN	13.25%	17.94%	-16.31%	62.29%	13.66%	13.15%	4.43%	11.26%
BAYSHORE	15.35%	24.45%	-23.68%	56.33%	17.10%	11.94%	5.33%	13.03%
MTSTORM	11.95%	14.01%	-13.06%	65.89%	11.56%	13.90%	3.87%	10.17%
HATFIELD	12.16%	13.76%	-12.87%	66.22%	11.69%	13.77%	3.96%	10.34%
NEWTON	13.97%	20.09%	-18.16%	60.34%	14.80%	12.74%	4.73%	11.86%
HOPATCONG-RAMAPO	-6.84%	-6.68%	6.24%	17.84%	-6.04%	TRIP	-3.95%	-5.84%