

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		37	0	83	0	-533	-330	-660	-315	-320	-100	120	-2018
PJM	-37		0	0	0	0	0	660	315	320	0	-3798	-2540
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-83	0	0		0	-225	330	0	0	0	100	0	122
NB/NS	0	0	0	0		-600	0	0	0	0	0	0	-600
Trans Énergie	533	0	1250	225	600		0	0	0	0	0	45	2653

APPENDIX A	
SUMMARY OF WINTER 2019-20 BASE TRANSFERS	
NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-300
New Brunswick to New England	0
Total Export (+) / Import (-)	-300

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond HVdc	0
New England to TransÉnergie: Vermont	-225
New England to New York	-83
New England to NY: Norwalk Harbor-Northport	100
New England to NY: Cross-Sound	330
Total Export (+) / Import (-)	115

NEW YORK ISO	
New York to TransÉnergie	-533
New York to New England	83
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	-38
New York to PJM: Non-Firm Energy	0
New York to PJM: Linden VFT	-315
New York to PJM: Neptune HVdc	-660
New York to PJM: HTP	-320
New York to MISO: NYPA to AMP- Ohio	120
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-2018

APPENDIX A	
SUMMARY OF WINTER 2019-20 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	38
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	660
PJM to New York: Linden VFT	315
PJM to New York: HTP	320
Miscellaneous Transfers to Other Areas	-3798
Total Export (+) / Import (-)	-2540

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	600
TransÉnergie to New England: Sandy Pond HVdc	0
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	533
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	2653

Appendix B – WINTER 2019-20 BASE CASE CONDITIONS

Winter 2019-20 Conditions

GENERATION FACILITIES (LEVEL OF GENERATION IN CASE)

The status and dispatch level of generation represented in this analysis is 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	533 MW	In Service
Sandy Pond HVdc	0 MW	Out-of-service
Highgate HVdc	225 MW	In Service
Madawaska HVdc	300 MW	In Service
Eel River HVdc	0 MW	Out-of-service

AREA LOADS & LOSSES

NYISO	24,123 MW
ISO-NE	21,317 MW
IESO (Ontario)	21,920 MW
PJM	45,153 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)	0 MW
Marion-Farragut (C3403)	0 MW
Linden-Goethals	0 MW
Waldwick-Hinchmans	0 MW
Waldwick-Fairlawn	0 MW
Waldwick-Hillsdale	0 MW
Ramapo PAR #1 (+ to NY)	120.3 MW
Ramapo PAR #2 (+ to NY)	120.3 MW

East Garden City #1

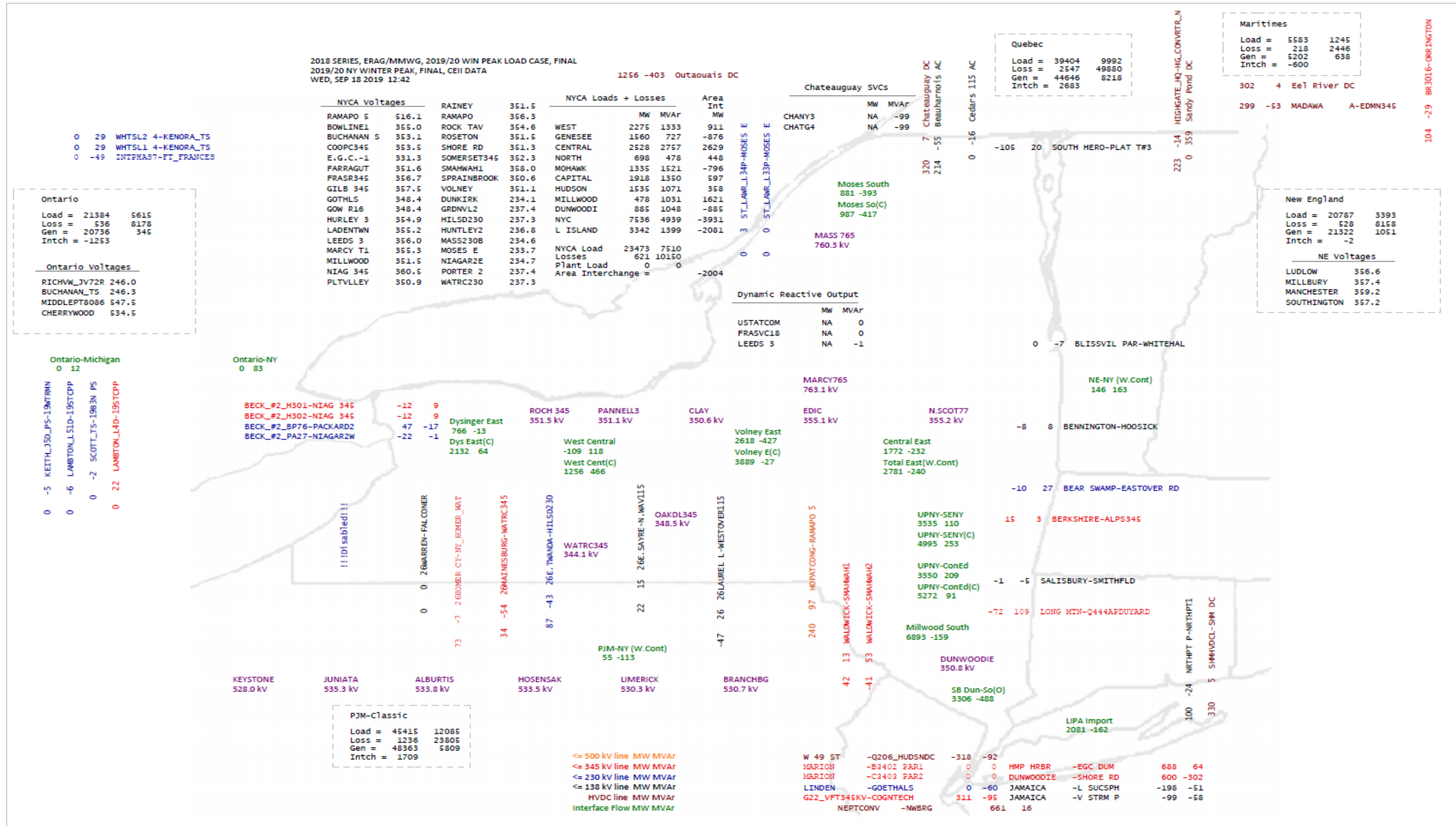
340 MW

East Garden City #2

340 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	301	360	451	325750	150
ADIRNDCK_230_115_BK 1	BK1	115	132	166	172	26697	0
ADIRNDCK-CHASLAKE_230_13	13	230	478	478	634	325233	13
ADIRNDCK-PORTER__230_12	12-AP	230	478	478	634	25082	89
AKRONVIL-N.AKRON__115_107	107	115	222	234	278	326868	25
ALBANY__GREENBSH_115_1	1	115	304	349	376	25860	139
ALBANY__GREENBSH_115_2	2	115	304	349	376	25868	139
ALBANY__TRINITY__115_5	5	115	214	256	317	25861	107
ALBANY__TRINITY__115_9	9	115	159	178	258	25872	72
ALCOA__BRADY____115_13	13	115	156	170	181	25230	20
ALCOA__DENNISON_115_12	12-AD	115	215	235	253	25227	34
ALCOA_PA-ALCOA____115_R8105	R8105	115	263	294	348	25202	55
ALCOA_PA-GRASRIVR_115_MAL4	MAL4	115	256	282	327	326295	100
ALCOA_PA-GRASRIVR_115_MAL5	MAL5	115	279	294	327	326296	100
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	88	88	98	26481	9
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	107	107	107	26480	12
ANDOVER_-PALMITER_115_157-932	157_932	115	97	117	119	25094	7
ANHRBUSH-LYSANDER_115_9	9	115	234	256	277	326803	6
ARCADE__MACHIAS__115_167	151	115	156	171	182	326168	20
ASH____TEMPLE__115_9	9	115	207	233	233	26062	2
ASHLEYRD-MASONCR__115_909	909	115	189	207	221	25847	19
ASHLEYRD-PLATSBRG_115_700	700	115	223	237	259	25845	28
ASTANNEX_138A_138B_PAR1	PAR1	138	415	477	544	325848	0
ASTANNEX-ASTORIAE_138_34091	34091	138	288	318	346	325849	0
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	415	639	1595	25134	153
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	415	639	1595	25142	145
ASTENRG2-ASTANNEX_345_G13	G13	345	950	1050	1150	325744	24

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ASTORIAE-ASTORIA3_138_34123	34123	138	299	335	400	25876	0
ASTORIAE-CORONA__138_34181	34181	138	195	249	378	25277	76
ASTORIAE-CORONA__138_34182	34182	138	195	249	378	25278	74
ASTORIAE-CORONA__138_34183	34183	138	195	249	378	25279	76
ASTORIAE-CORONA__138_34184	34184	138	195	249	378	25280	71
ASTORIAE-CORONA__138_34185	34185	138	195	249	378	25281	68
ASTORIAE-CORONA__138_34186	34186	138	195	249	378	25282	69
ASTORIAW-QUENBRDG_138_28241	28241	138	195	249	378	25315	53
ASTORIAW-QUENBRDG_138_28242	28242	138	195	249	378	25316	54
ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	99
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	114
ATHENS__-PLSNTVLY_345_91	91	345	1624	1783	1946	25054	820
AYERREND-TNWD206_115_36	36	115	211	211	212	326367	33
AYERREND-TNWD206_115_37	37	115	206	206	206	326370	34
BAGATLRD-PILGRIM__138_564	564	138	566	611	673	325607	37
BAKER_ST-FALCONER_115_160	160-3	115	222	234	239	26513	13
BALLSTON-TAPBLSTN_115_1	1	115	268	293	317	325896	43
BALLSTON-TAPBLSTN_115_302	302	115	268	293	317	325897	36
BARBEACH-GLENWOOD_69__472	472	69	164	176	195	325219	15
BARRETT__138_69__BK 1	BK 1	138	127	156	156	26600	0
BARRETT__138A_138B_PAR	B_PAR	138	266	271	325	25590	145
BARRETT_-BLDWN_LI_69__359	359	69	119	159	195	26596	57
BARRETT_-FREEPORT_138_459	459	138	192	271	325	26425	145
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	11
BATAVIA_-SEBATVIA_115_117	117	115	239	239	239	26017	15
BATH____-MONTRFL_115_965	965	115	146	149	149	26163	8
BATH____-SPENCHIL_115_723	723	115	146	160	178	325797	27
BATNKILL-EASTOVER_115_10	10	115	227	248	268	26474	48
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	10
BECK____-NIAGARA__230_PA27	PA27	230	480	540	685	25025	23

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BECK___-NIAGARA__345_PA301	PA301	345	1180	1469	1860	25040	12
BECK___-NIAGARA__345_PA302	PA302	345	1180	1469	1860	25041	12
BECK___-PACKARD__230_BP76	BP76	230	569	687	687	25024	47
BELLMORE-MASSAPEQ_69_566	566	69	132	146	156	26522	30
BELLMORE-NEWBRDGE_69_564	564	69	113	128	154	26590	38
BELMONT_-HOPKINS__115_13	13	115	270	297	324	326806	29
BELMONT_-WOODARD__115_4	4	115	190	208	221	326805	50
BENETTRD-E_DUNKRK_115_161	161-3	115	213	225	242	326231	13
BENETTRD-E_DUNKRK_115_162	161-3	115	213	225	242	326233	11
BENNETT_-MORAINES__115_725	725	115	149	172	179	325858	43
BENNETT_-SPENCHIL_115_953	953	115	146	160	178	26164	10
BERKSHIR-ALPS____345_393	393	345	1792	1883	1912	25034	16
BERRY_LI-W.BABYLN_69_655	655	69	96	106	111	326359	23
BERRY_RD-BAKER_ST_115_160	160-2	115	245	257	282	26512	6
BETHLHEM-ALBANY__115_18	18-BA	115	388	427	474	26119	76
BETHLMRD-ROCKTVRN_115_RD	RD	115	152	167	176	326346	31
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	20
BIGTREE_-LANGNERD_115_903	903	115	206	227	239	326050	55
BLACKRVR-CLIMAX__115_1	1-BC	115	141	144	159	26067	21
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	21
BLACKRVR-FORTDRUM_115_2	2-BF	115	141	144	159	26068	14
BLACKRVR-GLENPARK_115_3	3	115	119	119	119	325315	22
BLDWN_LI-BELLMORE_69_459	459	69	119	159	195	326378	24
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	0
BLUELAKE-RINGWOOD_69_982	982	69	139	152	158	326638	20
BLUESTOR-LAFARGE__115_8	8	115	141	144	159	326091	61
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	168	187	216	25505	54
BLUESTOR-PLSTVYCH_115_8	8	115	141	144	159	25498	56
BNNINGTN-HOOSICK__115_K6	K6	115	229	274	292	25029	9
BNVLMUNI-PORTER__115_2	2	115	124	124	124	325778	16

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BOONVLE-BNVLUMUNI_115_2	2	115	124	124	124	26073	7
BOONVLE-PORTER__115_1	1-BP	115	127	127	127	26074	13
BOONVLE-ROME____115_3	3	115	141	144	159	26071	32
BOONVLE-ROME____115_4	4	115	128	135	152	26072	38
BORDRCTY-GUARDIAN_115_969	969	115	179	179	179	325283	84
BOWLINE__345_138_BK455	BK455	345	506	587	671	25664	128
BOWLINE_-WHAVSTRW_345_67-1	67-1	345	777	837	837	25567	0
BOWLINOR-CONGERS__138_561	561	138	378	414	431	26723	103
BRADY___-NOGDNBRG_115_13	13	115	245	260	282	326348	15
BRDGHMPT-BUELL____69_968	968	69	115	115	115	26625	21
BRENTWOD-BRGHTWTR_69_763_764	763_764	69	132	146	156	26532	17
BRENTWOD-BRGHTWTR_69_769	769	69	132	146	156	26533	38
BRENTWOD-PILGRIM__69_660	660	69	104	113	120	26535	57
BRENTWOD-PILGRIM__69_765	765	69	274	285	285	26536	72
BRENTWOD-PILGRIM__69_768	768	69	104	113	120	26534	57
BRGHTWTR-WATSON__69_772_773	772	69	96	106	111	26537	26
BRIGHAM_-LUDLUM__115_161	161-2	115	213	225	242	26020	25
BRISTLHL-CLAY____115_4	4	115	128	135	135	25518	25
BRISTLHL-S.OSWEGO_115_4	4	115	128	134	152	25512	41
BROOK_RD-SMITHBRD_115_2	2	115	282	288	318	325901	24
BROOK_RD-SMITHBRD_115_302	302	115	268	292	317	325902	16
BROOK_RD-TAPBROOK_115_2	2	115	282	288	318	325899	52
BROOK_RD-TAPBROOK_115_302	302	115	268	292	317	325900	30
BROOKHVN_138_69__BK 1	BK 1	138	258	318	383	26548	76
BROOKHVN_138_69__BK 2	BK 2	138	258	318	424	325152	71
BROOKHVN-EASTPORT_69_854_855	854_855	69	96	106	111	26620	57
BROOKHVN-EDWARDAV_138_864	864	138	275	435	595	25553	91
BROOKHVN-SILLSRD__138_874	874	138	529	591	669	325617	77
BROOKHVN-SILLSRD__138_887	887	138	529	591	669	325619	77
BROOKHVN-WILDWOOD_138_861	861	138	521	582	659	325932	84

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BROOKVLE-JERICOH__69__473	473	69	88	100	106	326400	2
BROWNFLS-HIGLEY__115_1	1-BH	115	130	144	159	26078	16
BROWNFLS-TAYLORVL_115_3	3-BT	115	130	144	154	26076	21
BROWNFLS-TAYLORVL_115_4	4-BT	115	128	135	152	26077	21
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	101
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	1137
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	832
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	832
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	29
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	29
BUFAL129-MAPLE140_115_38	38	115	176	181	209	326159	79
BUFAL129-MAPLE140_115_39	39	115	176	181	209	326160	77
BUFALO54-BUFALO61_115_38	38	115	227	249	268	326155	65
BUFALO54-BUFALO61_115_39	39	115	211	217	255	326156	63
BUFALO61-URBAN154_115_38	38	115	211	217	255	326153	61
BUFALO61-URBAN154_115_39	39	115	211	217	255	326154	59
BUFALO78-HUNTLEY__115_130	130	115	211	217	239	26043	82
BUFALO78-YOUNG214_115_133	133	115	211	217	242	326290	110
BULYMO__-BOONVLE_115_6	6	115	140	144	165	325265	42
BURDECK_-ALTAMONT_115_17	17-BA	115	141	144	165	26151	30
BURDECK_-VORHVSLE_115_19	19-BV	115	141	144	165	26152	22
BURGOYNE-WHITEHAL_115_6	6	115	132	132	132	326308	15
BURNS___138_69__BK 519	BK 519	138	208	258	284	25889	49
BURNS___-N.HEMPST_138_531	531	138	282	309	321	25878	9
BURNS___-NANUET__69__49	49	69	144	157	163	26252	45
BURNS___-WHAVSTOR_138_541	541	138	282	309	321	25879	56
BUTLER__-MOHICAN__115_18	18	115	141	144	165	26434	24
C._ISLIP_138_69__BK 3	BK 3	138	259	304	319	26519	80
C._ISLIP-PINES___69__759	759	69	164	176	195	26531	8
C._ISLIP-RONKOKMA_138_883	883	138	435	584	662	26497	7

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CALSPAN_-DEPEW___115_54-921	54-921	115	168	212	239	326276	35
CANAL___-DEERFILD_69_972	972	69	115	115	115	325239	27
CANAL___-RIVRHEAD_138_910	910	138	241	281	311	325242	98
CANANDGA-STONYRDG_230_68	68	230	600	625	653	25176	96
CARMEL___-UNIONVAL_115_991	991	115	261	287	311	26155	66
CARMEL___-WOODSTNY_115_992	992	115	261	287	303	325278	47
CARR_ST_-BM_CC_GM_115_6	6	115	227	249	268	325216	76
CARR_ST_-DEWITT___115_15	15-CD	115	227	249	268	26093	16
CARRSCRN-SALAMANC_115_153	153	115	156	170	181	326163	5
CARRSCRN-SALAMANC_115_154	154	115	156	170	181	326165	9
CASTLEGD-FULLRHLW_115_937	937	115	299	335	358	325222	11
CATON___-HILLSIDE_115_960	960	115	119	120	120	325290	27
CAVANARD-PORTER___115_7	7	115	141	144	159	325214	37
CEDAR___-BURGOYNE_115_6	6	115	141	144	165	26516	29
CEDRHRST-HEWLETT___69_263	263	69	143	157	168	326318	27
CHADWICK-E.WALDEN_115_DW	DW-3	115	219	232	255	26218	76
CHADWICK-WBALMVLE_115_DW	DW-2	115	219	232	255	26217	47
CHASLAKE-PORTER___230_11	11	230	511	564	586	25051	108
CHAT_TAP-LYON_MTN_115_1(911)	911	115	173	191	205	325704	3
CHATEAUG-CHAT_TAP_115_911	911	115	44	45	49	325705	12
CHATGUAY-MASSENA__765_7040	7040	765	5300	6254	6625	25301	534
CHEMUNG_-NWAVERLY_115_962	962	115	187	210	230	325289	18
CHESTROR-SUGRLOAF_138_271	271	138	282	309	321	325424	41
CHRCHTWN-BLUESTOR_115_13-987	13-987	115	179	179	179	26685	65
CHRCHTWN-CRARYVIL_115_984	984	115	138	167	179	26500	8
CHURCH_S-ROTTDAM_115_10	10-AR	115	141	144	155	26428	22
CLAY___345_115_BK 1	BK 1	345	560	718	796	25387	223
CLAY___345_115_BK 2	BK 2	345	590	764	796	25421	223
CLAY___-COLAMCRS_115_5	5	115	267	293	317	25522	58
CLAY___-DEWITT___115_3	3-CD	115	141	144	165	25519	69

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CLAY___-DEWITT___345_13	13	345	1431	1605	1721	25168	532
CLAY___-EDIC___345_1-16	43481	345	1591	1745	1904	25200	430
CLAY___-EDIC___345_2-15	43511	345	1591	1745	1904	25169	431
CLAY___-EUCLID___115_11	11	115	268	292	317	25516	121
CLAY___-EUCLID___115_17	17	115	268	293	317	25515	91
CLAY___-INDPDNCE_345_26	26	345	1918	2115	2390	25858	845
CLAY___-TEALLAVE_115_10	10-CT	115	141	144	165	25520	77
CLAY___-WETZEL___115_14	14-CG	115	268	293	317	25517	24
CLEARWTR-ANHRBUSH_115_9	9	115	234	256	277	326798	76
CLIMAX__-TAYLORVL_115_8	8-CT	115	128	135	152	26431	28
CLINTON_-IMC_TAP___115_15	15-CI	115	141	144	165	26128	12
CLRKSCRN_345_115_BK1	BK1	345	280	313	336	325724	84
CLRKSCRN_345_115_BK2	BK2	345	280	313	336	325725	84
CLRKSCRN-OAKDALE__345_36	36	345	1279	1410	1781	325726	570
CLYDE___115_34__TR1	TR1	115	152	166	175	25221	19
CLYDE___-STATE_ST_115_3-971	971	115	145	159	159	68810	3
COBBLENM-COBBLENY_115_BK 1	BK 1	115	45	47	53	25426	9
COBBLENM-SPRINGVL_115_151	151	115	156	171	182	326166	33
COBBLENM-SPRINGVL_115_152	152	115	156	171	182	326170	26
CODNIGTN-E.ITHACA_115_981	981-1	115	133	149	162	25730	5
CODNIGTN-ETNA____115_998	998	115	266	293	299	25734	29
COFFEEN_-EWATRTWN_115_5	5	115	119	119	119	325769	22
COFFEEN_-GLENPARK_115_3	3-CG	115	119	119	119	26069	49
COLAMCRS-DUGUID___115_5	5	115	267	293	317	326819	49
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	47
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	11
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	0
COLTON__-FLATROCK_115_2	2-CF	115	139	146	159	26088	16
COLTON__-HIGLEY___115_1	1-HC	115	156	159	159	26087	15
COLTON__-LITTLRIV_115_7	7	115	81	81	81	26086	7

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
COLTON__-TOWNLIN_115_9	9	115	119	119	119	325641	22
COMMACK_-ELWOOD__69_669	669	69	96	106	111	325266	17
COMSTKNM-BURGOYNE_115_13	13-MW	115	141	144	159	26484	25
CONGERS_-SNKEHLRD_138_563	563	138	378	414	431	25887	77
COOPERNY-FERNDALE_115_950	950	115	179	179	179	26171	46
COOPERNY-ROCKHILL_115_957	957	115	168	185	200	325614	31
COOPERS__345_115_BK 2	BK 2	345	256	295	300	25433	57
COOPERS__345_115_BK 3	BK 3	345	256	295	300	25434	57
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	293
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1786	1793	1793	25110	539
COOPR_LI-WILDWOOD_69__883	883	69	132	146	156	326595	51
CORAM__-WBARTLET_69__869	869	69	132	146	156	26549	2
CORNING_-MCADOO__115_4	4	115	156	171	182	326380	7
CORONA__138A_138B_BK R1	B_BK R1	138	214	285	354	25621	45
CORONA__138A_138C_BK R2	C_BK R2	138	214	285	354	25622	45
CORONA__-JAMAICA__138_18001	18001	138	168	225	368	25285	45
CORONA__-JAMAICA__138_18002	18002	138	168	225	368	25286	45
CORONAAV-VALLYSTR_69__265	265	69	132	146	156	26594	33
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	38
CORTLAND-LABDELFE_115_3	3	115	152	166	175	325248	2
CORTLAND-TULLERHL_115_1-716	1	115	156	170	181	25059	11
CORTLAND-TULLYCTR_115_18	18	115	224	239	239	26089	48
CRESSKL_-SPARKL__69__751	751	69	141	154	160	26504	9
CRICKVLY-PLSNTVLY_345_F83	F83	345	1414	1549	1796	326887	33
CRICKVLY-PLSNTVLY_345_F84	F84	345	1533	2045	2242	326888	39
CROUSEHD-HOPKINS__115_13	13	115	268	293	317	326783	16
CURRY_RD-LINE8TAP_115_8	8	115	141	144	165	26254	3
CURTIS__-LYSANDER_115_13	13	115	219	219	219	326782	65
CURTPALM-EJWEST__115_9	9	115	156	170	181	326146	8
DALEROAD-GARDNVLB_115_39	39	115	211	216	242	26036	55

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
DANSKAMR-CHADWICK_115_DW	DW-1	115	265	290	315	26219	29
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	2
DANSKAMR-NCHELSEA_115_AC	AC	115	216	231	334	25829	28
DANSKAMR-NCHELSEA_115_DC	DC	115	200	217	334	25830	29
DANSKAMR-RYNDS_HL_115_DR	DR	115	237	282	315	25831	31
DASHVILLE-BOULEVRD_69__O	O	69	54	56	63	26212	3
DAVIS_RD-STOLLERD_115_927	927	115	238	239	239	26172	4
DEKALB__-BATTHILL_115_4	4	115	93	101	106	326398	14
DELEMTER-LAKEVIEU_115_141	141	115	107	117	123	325873	25
DELEMTER-LAKEVIEU_115_142	142	115	107	117	123	325880	36
DELHI__-DELHI_TP_115_951	951	115	164	164	164	26174	82
DELHI__-GR.GORGE_115_916	916	115	90	90	90	26479	19
DELHI__-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	40
DELHI_TP-COLIERS_115_951	951-2	115	239	239	239	26203	41
DENNISON-LAWRNCAV_115_5	5	115	268	293	317	25226	16
DENNISON-NORFOLK__115_4	4	115	268	293	317	25225	18
DENNISON-ROSEMNTA_115_1/11	1-RD	115	215	235	253	25523	0
DENNISON-ROSEMNTB_115_2/22	2-RD	115	215	235	253	25524	0
DEPEW_NG-ERIE_ST__115_54-921	54-921	115	145	160	178	26010	28
DEPEW_TP-DEPEW__115_BK 1	BK 1	115	120	120	120	25428	8
DEWITT__345_115_BK 2	BK 2	345	619	758	796	25418	211
DEWITT__-TEALLAVE_115_4	4-DT	115	141	144	165	26094	40
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1793	2115	2390	326310	934
DUGUID__-DEWITT__115_5	5	115	245	260	282	326736	27
DULEY__-PATNODE__230_PND-1	PND-1	230	506	564	589	325856	2
DUNKIRK__230_115_BK 31	BK 31	230	173	234	250	25386	42
DUNKIRK__230_115_BK 41	BK 41	230	166	226	250	25430	42
DUNKIRK_-BERRY_RD_115_160	160-1	115	239	239	239	26025	41
DUNKIRK_-BRIGHAM__115_161	161-1	115	211	217	239	26021	29
DUNKIRK_-BRIGHAM__115_162	162-1	115	211	217	239	26027	21

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
DUNKIRK_-SILVRCRK_115_141	141	115	107	117	123	26026	10
DUNKIRK_-SILVRCRK_115_142	142	115	107	117	123	26018	11
DUNWODIE_138__138__BK N1	BK N1	138	376	428	500	25624	115
DUNWODIE_138__138__BK N2	BK N2	138	223	312	400	25623	115
DUNWODIE_138__138__BK S1	BK S1	138	443	585	600	25626	180
DUNWODIE-DUNWOODN_345_W74	W74	345	490	575	667	326212	248
DUNWODIE-DUNWOODS_345_W73	W73	345	386	454	511	326211	210
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	180
DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	469
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	457
DUNWODIE-SHERMCRK_138_99031	99031	138	154	196	308	25193	115
DUNWODIE-SHERMCRK_138_99032	99032	138	219	307	421	25239	115
DUNWODIE-SHORE_RD_345_Y50	Y50	345	677	913	1563	25091	601
DUNWOODS_345_138_BK S1	BK S1	345	386	454	511	25208	210
DUNWOODS-DUNWOODN_138_99997	99997	138	245	293	342	25532	3
E.ITHACA-ETNA____115_981	981	115	133	149	162	25733	43
E.SAYRE_-NWAVERLY_115_956	956	115	128	128	147	25013	23
E.TWANDA-HILLSIDE_230_70	70	230	512	564	670	25014	87
E.WALDEN_115_69__TR_3	TR_3	115	67	81	91	26681	13
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	19
E.WALDEN-MODENA__115_EM	EM	115	285	310	349	25832	6
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	90
E_DUNKRK-LAONA____115_161	161	115	107	117	123	326232	0
E_DUNKRK-LAONA____115_162	162	115	107	117	123	326234	1
E13THSTA_345_138_BK 12	BK 12	138	322	363	410	25463	75
E13THSTA_345_138_BK 15	BK 15	138	284	297	315	25466	78
E13THSTA_345_138_BK 16	BK 16	138	318	372	495	25469	72
E13THSTA_345_69__BK 17	BK 17	69	271	336	452	25459	101
E13THSTA_69C__69A__BK 112	BK 112	69	93	124	154	25631	10
E13THSTA_69D__69A__BK 113	BK 113	69	93	124	154	25632	10

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
E13THSTA_69E_69A_BK 114	BK 114	69	93	124	154	25633	10
E13THSTA-EASTRIVR_138_37043	37043	138	178	257	443	326192	10
E13THSTA-EASTRIVR_138_37044	37044	138	178	257	443	326193	10
E13THSTA-FARRAGUT_345_45	45	345	773	944	1347	25190	183
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	186
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	9
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	21
E179THST-HELLGT_E_138_15053	15053	138	187	244	374	25289	124
E179THST-HELLGT_E_138_15054	15054	138	187	244	374	25290	124
E179THST-HELLTP_W_138_15055	15055	138	242	321	400	25288	272
E179THST-PARKCHTR_138_38X01	38X01	138	191	305	512	25327	50
E179THST-PARKCHTR_138_38X02	38X02	138	191	305	512	25328	50
E179THST-PARKCHTR_138_38X03	38X03	138	191	305	512	25329	33
E179THST-PARKCHTR_138_38X04	38X04	138	191	305	512	25330	33
EASTOVER_230_115_BK1	TR 1	230	466	579	666	326097	38
EASTPORT-RIVRHEAD_69_951	951	69	164	176	195	26589	20
EASTPORT-TIANA___69_952_953_95	52/3_95	69	115	115	115	26611	15
EASTRIVR_138_69_BK 113	BK 113	138	91	121	142	25528	10
EASTRIVR_138_69_BK 114	BK 114	138	91	121	142	25529	10
EASTVIEW_345_138_BK 1N	BK 1N	138	438	493	493	25472	100
EASTVIEW_345_138_BK 2N	BK 2N	138	438	493	493	25471	125
EASTVIEW_345_138_BK 2S	BK 2S	138	438	493	493	25470	99
EASTVIEW-SPRNBK__345_W64	W64	345	2430	2823	3357	25143	1008
EASTVIEW-SPRNBK__345_W65	W65	345	1976	2387	2897	25144	810
EASTVIEW-SPRNBK__345_W78	W78	345	2430	2823	3357	25346	763
EASTVIEW-SPRNBK__345_W79	W79	345	1976	2387	2897	25153	767
EBATAVIA-NO.LEROY_115_119	119	115	169	185	196	26012	36
ECWABALP-FRNKYONG_115_181-922	181-922	115	211	217	255	326871	109
EDIC___-FRASER___345_EF24-40	EF24-40	345	1793	1793	1793	25112	582
EDIC___-N.SCTLND_345_14	14	345	1624	1783	1912	25170	575

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
EDIC_PTR_230_115_BK 1P	BK 1P	230	320	365	398	25389	27
EDIC_PTR_230_115_BK 2P	BK 2P	230	320	365	398	25423	27
EDIC_PTR_345_115_BK 3E	BK 3E	345	524	602	760	25424	171
EDIC_PTR_345_115_BK 4E	BK 4E	345	603	721	796	25454	171
EDIC_PTR_345_230_BK 2E	BK 2E	230	551	626	758	25422	263
EDWARDAV-RIVRHEAD_138_893	893	138	275	346	377	325654	76
EELPOTRD-MEYER___115_724	968	115	143	157	167	325288	18
EFISHKCH_345_115_BK 1	BK 1	345	505	531	531	25724	125
EFISHKIL-WOOD_ST__345_F38	F38	345	2409	2679	3406	25367	721
EFISHKIL-WOOD_ST__345_F39	F39	345	2409	2679	3406	25368	790
EGRDNCTY_138_69__BK 1	BK 1	138	258	304	338	26652	83
EGRDNCTY_345_138_AT1	BK 1	345	428	556	641	25551	343
EGRDNCTY_345_138_AT2	BK 2	345	428	556	641	25552	343
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	428	812	855	25678	343
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	428	812	855	25679	343
EGRDNCTY-CARLPLCE_138_361	361	138	315	345	376	25533	15
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	693	940	1360	325158	687
EGRDNCTY-NEWBRDGE_138_462	462	138	186	274	452	25303	113
EGRDNCTY-NEWBRDGE_138_463	463	138	203	292	413	25304	113
EGRDNCTY-NEWBRDGE_138_465	465	138	212	300	419	25535	114
EGRDNCTY-NEWBRDGE_69_465_466	465_466	69	68	79	83	26582	8
EGRDNCTY-ROSLYN___138_362	362	138	309	339	369	25534	8
EJWEST__-SCOFLDRD_115_9	9	115	245	260	282	326147	38
EKINGSTN-RHINEBCK_115_ER	ER	115	219	232	255	26222	33
ELBRIDGE_345_115_BK 1	BK 1	345	542	621	796	25448	266
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	141	144	165	26097	4
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	8
ELBRIDGE-HYATT___115_10-979	15-EH	115	156	171	182	25109	40
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1562	1912	25149	430
ELBRIDGE-LAKELAND_115_4	4	115	190	208	221	325316	27

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ELBRIDGE-MILTON_C_115_18	18-EM	115	156	159	159	26095	14
ELBRIDGE-STATE_ST_115_5-972	5_972	115	299	343	358	25107	88
ELBRIDGE-STATE_ST_115_6-710	6-710	115	297	306	337	326377	62
ELM_ST__-SENECA__230_71	71	230	223	254	262	26426	19
ELM_ST__-SENECA__230_72	72	230	223	254	262	26427	19
ELWOOD__138_69__BK 3	BK3	138	129	156	203	26540	35
ENDICOTT-RANGEHL_115_920	920	115	149	149	149	26158	19
ENDICOTT-ROBBLEAV_115_948	948	115	254	254	254	26159	24
ENORWICH-CTYLINE__115_918	918	115	120	120	120	325280	45
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729	41
ERIE E__-S.RIPLEY_230_69	69	230	587	637	637	25016	125
ERIE_ST_-PAVMNTRD_115_926	926	115	252	277	308	26175	44
ETNA__-CLRKSCRN_115_715	715	115	304	313	345	325728	77
ETNA__-CLRKSCRN_115_947	947	115	292	313	345	325727	77
ETNA__-WILLET__115_945	945-2	115	149	169	175	25731	76
EUCLID__-HOPKINS__115_11	11	115	268	292	317	326784	103
EUCLID__-WOODARD__115_17	17	115	268	293	317	326785	73
EVERETRD-MENANDS__115_10	10	115	223	235	240	326642	69
FAIRFIEL-INGHAM_C_115_3	3	115	141	144	159	26106	67
FAIRPORT-ELBRIDGE_115_2	2	115	176	181	209	26099	18
FAIRPORT-HOOK_TAP_115_1	1	115	176	181	183	26327	2
FALCONER-SOUTHADOW_115_153	153	115	156	171	182	26033	2
FALCONER-SOUTHADOW_115_154	154	115	156	171	182	26032	9
FARMGTN__115_12__BK 3	BK 3	115	26	32	44	325380	9
FARMGTN__115_34__BK 1	BK 1	115	72	82	112	70259	29
FARMGTN__115_34__BK 2	BK 2	115	64	74	100	70258	13
FARMGTN_-BORDRCTY_115_4-977	977	115	187	206	219	25057	79
FARMGTN_-HAMLTNNM_115_7-983	7-983	115	146	146	146	26101	24
FARRAGUT_345A_138A_BK 1Y	BK 1Y	138	198	246	266	325083	134
FARRAGUT_345A_138A_BK 2X	BK 2X	138	121	145	155	325084	62

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FARRAGUT_345A_138A_BK 3X	BK 3X	138	121	145	156	325086	83
FARRAGUT_345A_138A_BK 3Y	BK 3Y	138	220	255	275	325087	135
FARRAGUT_345A_138A_BK 4X	BK 4X	138	121	145	155	325088	83
FARRAGUT_345A_138A_BK 4Y	BK 4Y	138	224	241	260	325089	133
FARRAGUT_345A_138A_BK 5X	BK 5X	138	121	128	132	25635	82
FARRAGUT_345A_138A_BK 5Y	BK 5Y	138	211	230	235	325081	43
FARRAGUT_345A_138A_BK 6X	BK 6X	138	121	145	156	325090	62
FARRAGUT_345A_138A_BK 6Y	BK 6Y	138	199	254	275	325091	134
FARRAGUT_345A_138C_BK 9X	BK 9X	345	130	174	216	25636	39
FARRAGUT_345A_138D_BK 10X	BK 10X	345	130	174	216	25637	39
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	0
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	0
FARRAGUT-GOWANUS__345_41	41	345	724	899	1356	25141	29
FARRAGUT-GOWANUS__345_42	42	345	724	899	1356	25140	29
FARRAGUT-HUDS_AVE_138_32077	32077	138	130	174	216	25291	39
FARRAGUT-HUDS_AVE_138_32711	32711	138	129	154	167	25293	39
FARRAGUT-PLYMTHST_138_32072	32072	138	121	145	155	326588	62
FARRAGUT-PLYMTHST_138_32076	32076	138	121	145	156	326589	62
FARRAGUT-PLYMTHST_138_32078	32078	138	129	154	168	25292	41
FARRAGUT-WATERSTR_138_32073	32073	138	121	145	156	326582	83
FARRAGUT-WATERSTR_138_32074	32074	138	121	145	155	326583	83
FARRAGUT-WATERSTR_138_32075	32075	138	121	128	132	326584	82
FARRCKWY-CEDRHRST_69__256	256	69	143	157	168	26566	21
FARRCKWY-WOODMERE_69__259	259	69	120	136	143	26597	28
FENERWND-WHITMAN__115_8	8	115	224	239	239	326865	10
FERNDALE-WWDBURNY_115_959	959	115	90	90	90	26180	20
FEURABSH-GREENBSH_115_17	17	115	222	234	278	25862	9
FEURABSH-NCATSKLL_115_2	2-FN	115	141	144	165	25067	67
FISHKPLN-EFISHKIL_115_HF	HF	115	243	267	293	26227	55
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	238	239	239	25066	86

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FITZPTRK-EDIC___345_FE-1	FE-1	345	1434	1434	1661	25077	688
FIVE_MIL-VALLEY44_115_152	152	115	156	171	182	326174	5
FIVE_MIL-VALLEY44_115_167	167	115	156	171	182	326173	3
FIVEMILE_345_115_TR1	TR1	345	597	597	597	326175	23
FIVEMILE-STOLLERD_345_29	29	345	754	840	840	326176	44
FLATROCK-BROWNFLS_115_2	2-FBF	115	130	144	159	26079	17
FLATSTR_-EELPOTRD_115_722	968	115	143	157	167	325287	2
FLOWRFLD-STONBROK_69__878	878	69	164	176	195	326335	25
FORGEBRK-MERTPARK_115_WF	WF	115	225	251	282	26229	1
FORTDRUM-DEFERIET_115_2-FD	2-FD	115	141	144	165	26091	13
FORTDRUM-TAYLORVL_115_2	2-DT	115	128	135	152	26090	7
FOXHILLS-WILLWBRK_138_29211	29211-1	138	207	275	450	25771	142
FOXHILLS-WILLWBRK_138_29212	29212-1	138	207	275	450	25772	143
FRASANNX-COOPERS__345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	497
FRASER___345_115_BK 2	BK 2	345	356	420	420	25391	123
FRASER__-COOPERS__345_33	33	345	1793	1793	1793	25236	448
FRASER__-GILBOA___345_GF5-35	GF5-35	345	1746	1793	1793	25060	177
FRASERNY-DELHI_TP_115_951	951-3	115	239	239	239	26202	122
FREEPOR-NEWBRDGE_138_461	461	138	222	289	413	25155	193
FRESHKLS_138C_138A_R1_21191	21191	138	371	429	483	25639	200
FRESHKLS_138C_138B_R2_21192	21192	138	348	438	499	25640	200
FRESHKLS_345_138_TA 1	TA 1	138	371	429	483	25457	200
FRESHKLS_345_138_TB 1	TB 1	138	348	438	499	25458	200
FRNKYONG-CALSPAN__115_181-922	181-922	115	179	197	211	326277	96
FRNKYONG-WALDENNG_115_182	182	115	211	217	242	326279	81
FRONT_ST-ROSA_RD__115_11	11	115	239	239	239	26274	69
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	119	119	159	25502	23
FULLRHWL-MORGANRD_115_937	937	115	239	239	239	325223	1
GALEVILE-KERHONKS_69__GK	GK	69	149	161	181	326089	11
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	58

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GARDNVLA-LANGNERD_115_903	903	115	179	197	213	325284	68
GARDNVLA-STOLLERD_230_66	66	230	613	673	765	25180	156
GARDNVLB_230_115_BK 2	BK 2	230	317	334	396	25385	74
GARDNVLB_230_115_BK 3	BK 3	230	168	210	250	25416	49
GARDNVLB_230_115_BK 4	BK 4	230	169	211	250	25417	50
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	10
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	0
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	40
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	41
GARDNVLB-COBBLENM_115_151	151	115	199	199	199	26040	33
GARDNVLB-COBBLENM_115_152	152-1	115	199	199	199	26023	36
GARDNVLB-DUNKIRK__230_73	73	230	637	637	637	25166	105
GARDNVLB-DUNKIRK__230_74	74	230	633	633	633	25197	105
GARDNVLB-GARDNVLA_115_T1012	T1012	115	376	403	420	25085	7
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	772	772	772	25089	8
GE_R_D_-GROOMS__115_20_15	20_15	115	245	257	294	26266	21
GELCKHM_-WETZEL__115_14	14-CG	115	268	293	317	326189	6
GETZVL60-AYERREND_115_36	36	115	211	217	255	26049	18
GILBOA_-LEEDS___345_GL3	GL3	345	1762	1896	2241	25219	420
GILBOA_-N.SCTLND_345_GNS-1	GNS-1	345	1746	1896	2103	25052	31
GINNA_-PANNELRG_115_912	912	115	289	305	312	25260	73
GINNA_-S124_____115_913	913	115	272	280	306	26281	96
GINNA_-STA_135__115_909	909	115	282	298	313	325837	86
GINNA_-STA_135__115_937	937	115	282	298	313	325838	86
GINNA_-STA_204__115_908	908-1	115	322	360	415	26282	115
GINNA_-STA_204__115_911	911	115	320	358	414	26283	113
GIRDLERD-STOLLERD_115_706	706	115	228	229	239	325161	38
GLDNBRGD-CROTONFL_115_991	991	115	261	287	311	326416	4
GLENHEAD-ORCHARD__69_458	458	69	96	106	111	26577	19
GLENWDGT-ROSLYN__138_364	364	138	336	372	409	25556	35

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GLENWOOD_138_69__BK 5	BK 5	138	128	156	203	25735	73
GLENWOOD_138_69__BK 6	BK 6	138	128	156	208	70637	70
GLENWOOD-BROOKVLE_69__457	457	69	88	100	106	26579	19
GLENWOOD-CARLPLCE_138_363	363	138	312	374	411	25554	31
GLENWOOD-GLENWDGT_138_366	366	138	335	371	407	25555	35
GLENWOOD-MTCHGRDN_69__478	478	69	141	174	195	26581	5
GLENWOOD-NEWCASSL_69__487	487	69	132	146	156	26580	27
GLENWOOD-ORCHARD__69__530	530	69	164	176	195	26578	25
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	0
GOETHALS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	200
GOETHALS-FRESHKLS_345_22	22	345	1285	1618	1817	25137	200
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	370
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	370
GOLAH__-MORTIMER_115_110	110	115	158	159	159	26034	60
GOLAH__-MORTIMER_69__109 EQ	109 EQ	69	64	68	72	69242	9
GOUDEY__-ROBBLEAV_115_940	940	115	292	320	351	325166	14
GOUVNEUR-BATTHILL_115_8	8-GBH	115	93	101	106	26066	23
GOWANUS__138A_138B_PAR R14	PAR R14	138	309	407	421	25794	140
GOWANUS__138A_138B_PAR R2	PAR R2	138	305	362	421	25793	140
GOWANUS__345_138_BK T14	BK T14	138	309	407	421	25475	140
GOWANUS_-GOETHALS_345_25	25	345	561	748	1241	25139	170
GOWANUS_-GOETHALS_345_26	26	345	561	748	1241	25571	0
GOWANUS_-GREENWD__138_42231	42231	138	273	387	516	25214	140
GOWANUS_-GREENWD__138_42232	42232	138	273	338	407	25215	140
GOWANUSA-GREENWD__138_42G24	42G24	138	270	307	322	26007	0
GOWANUSC-GREENWD__138_42G13	42G13	138	259	307	322	26006	0
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	149	172	215	26478	15
GREENBSH-FT._ORAN_115_15	15	115	199	199	199	26130	24
GREENBSH-STEPHTWN_115_993	993	115	141	144	159	26447	0
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185	14

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184	30
GREENDGE-MONTRFL__115_970	970	115	146	160	178	26183	35
GREENLWN_138_69__BK5	BK5	138	129	156	203	26655	29
GREENLWN-ELWOOD___138_673	673	138	381	590	668	25546	30
GREENLWN-ELWOOD___69_668	668	69	96	106	111	26559	10
GREENLWN-SYOSSET__138_676	676	138	263	365	657	25548	97
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	104
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	104
GRISLD64-NIAGB130_115_182	182	115	211	217	255	26014	107
GRMVL-CH-HONK_FLS_69__HG-1	HG-1	69	40	40	40	26233	13
GRMVL-CH-WDELV_TP_69__HG	HG	69	49	51	57	26232	3
GROOMS__JOHNSON__115_13-14	13	115	268	293	317	26267	60
GRS_LOCK-HARRISRD_115_16	16-GT	115	141	144	165	26102	49
GRS_LOCK-SORELHIL_115_9	9	115	176	181	197	326801	51
GRTNECK_-PORTWASH_69__484	484	69	88	100	106	325217	15
GRUMMAN_-SYOSSET__69_558_552	558_552	69	88	100	106	26599	20
GUARDIAN-HALEYRD__115_969	969	115	179	179	179	26167	79
HALEYRD_-GREENDGE_115_969	969	115	179	179	179	325294	57
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	189	195	197	26096	34
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	34	42	56	25394	10
HAMRHILL-INDK-OSW_115_6	6-HI	115	139	144	159	26114	39
HANAWAFL-COLTON___115_5	5	115	222	234	278	326185	13
HARNGCRN-W.NYACK__69__701	701	69	141	154	160	26259	4
HARRIMAN-HILLBURN_69__31_311	31_311	69	181	229	258	26261	9
HARRISRD-TILDEN___115_16	16-GT	115	141	144	165	326815	22
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162	7
HARTLYRD-SGOSHEN__69__241	24	69	83	90	94	326128	6
HAUPPAUG-C._ISLIP_138_889	889	138	241	326	413	25681	106
HAZEL___-FERNDALE_115_955	955-2	115	119	120	120	26181	10
HDSNBRDG-DEWITT___115_10	10	115	340	374	413	325260	63

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HDSNBRDG-DEWITT__115_7	7	115	340	374	414	325261	45
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	124
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	124
HELLGT_W_138_13__BRU_3	BRU_3	138	96	128	159	25777	49
HELLGT_W-ASTORIAW_138_24051	24051	138	188	264	447	25210	50
HELLGT_W-ASTORIAW_138_24052	24052	138	188	264	447	25211	39
HELLGT_W-ASTORIAW_138_24053	24053	138	171	207	207	25212	90
HELLGT_W-ASTORIAW_138_24054	24054	138	171	207	207	25213	91
HEWLETT_-VALLYSTR_69__260	260	69	128	157	168	325286	45
HICKLING-CATON___115_958	958	115	119	120	120	26189	11
HICKLING-YAWGERRD_115_964	964	115	149	164	175	26188	11
HIGH_FLS-KERHONKS_69__FK	HK	69	54	56	63	326088	8
HILLBURN_138_69__BK 317	BK 317	138	187	230	265	26330	48
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	48
HILLBURN-RINGWOOD_69__89	89	69	141	154	160	26262	7
HILLBURN-S.MAHWAH_69__65	65	69	165	181	188	26263	20
HILLSIDE-CHEMUNG__115_962	962	115	171	181	224	25726	21
HILLSIDE-WATRCURE_230_69	69	230	657	657	657	25181	20
HINMAN__-HARSNRAD_115_908	908	115	297	306	306	26161	154
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	93
HOLBROOK_138_69__BK 1	BK 1	138	258	304	338	69378	132
HOLBROOK_138_69__BK 2	BK 2	138	122	136	136	69376	59
HOLBROOK-HOLT_8KU_69__857	857	69	142	173	203	26545	47
HOLBROOK-HOLT_8KU_69__866	866	69	142	173	203	26546	46
HOLBROOK-MCARTHUR_69__859	859	69	164	176	195	26556	40
HOLBROOK-NSHORBCH_138_884	884	138	404	443	491	25341	5
HOLBROOK-PORTJEFF_69__864_876	864_876	69	143	157	168	26607	8
HOLBROOK-PORTJEFF_69__865_875	865_875	69	143	157	168	26608	9
HOLBROOK-SILLSRD__138_872	872	138	564	600	682	25340	30
HOLBROOK-WEST BUS_138_888	888	138	575	616	683	25542	180

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HOLT_8KU-CORAM___69_874	874	69	132	146	156	26551	28
HOLT_8KU-HOLTS_8G_69_856_852	856_852	69	115	115	115	26552	28
HOLTSVLE-UNIONAVE_138_818	818	138	181	236	310	25584	83
HOLTSVLE-WEST BUS_138_877	877	138	557	598	662	325909	0
HOMER_HL-FIVE_MIL_115_169	169	115	270	297	324	26452	11
HOMER_HL-FIVE_MIL_115_170	170	115	270	297	324	26022	11
HOMER_HL-NILE____115_157	157-1	115	107	117	123	26041	24
HOMR_NYW-PIERC_NY_345_48	48	345	1508	1713	1789	326214	136
HOMRC_NY-MAINS_NY_345_47	47	345	1387	1631	1900	326121	74
HONK_FLS-KERHONKS_69_HK	FK	69	54	56	63	26237	14
HONK_FLS-KERHONKS_69_MK	MK	69	54	56	63	326087	13
HOOK_TAP-FARMGTN__115_7-983	7-983	115	176	181	188	26100	11
HOOK_TAP-HOOK_RD__115_BK3	BK3	115	60	60	60	26503	9
HOPATCON-RAMAPO__500_5018	5018	500	1156	1450	1915	25019	241
HOPKINS_-TEALLAVE_115_11	11	115	239	239	239	26105	82
HUDS_AVE-JAMAICA__138_701	701	138	172	234	371	25294	26
HUDS_AVE-JAMAICA__138_702	702	138	172	234	371	25295	26
HUDSON__-PLSTVYCH_115_12	12-HP	115	159	159	159	25499	54
HUDSON__-VALKIN____115_15	15	115	227	248	268	26514	83
HUDSONP_-FARRAGUT_345_B3402	B3402	345	464	643	877	25020	0
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	319
HUNT____-STRLFRST_69_99	99	69	141	154	160	326299	9
HUNTLEY_-BUFAL129_115_38	38	115	176	181	199	26047	81
HUNTLEY_-BUFAL129_115_39	39	115	176	181	209	26044	80
HUNTLEY_-ELM_ST__230_70	70	230	432	477	491	25855	31
HUNTLEY_-SAWYER__230_79	79	230	691	760	848	25127	232
HUNTLEY_-SAWYER__230_80	80	230	691	760	848	25128	278
HUNTLEY_-SWETH224_115_37	37	115	190	190	190	26045	6
HUNTLEY_-YOUNG214_115_36	36	115	199	199	199	26046	5
HURLYAVE_115_69__TR 3	TR 3	115	119	141	167	25837	33

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HURLYAVE_345/115_BK 1	BK 1	345	486	560	560	25419	177
HURLYAVE-BOULEVRD_69_I	I	69	76	81	86	26213	9
HURLYAVE-LINCNPRK_115_HP	HP	115	243	267	293	25833	67
HURLYAVE-ROSETON__345_303	303	345	1713	1885	1912	25218	360
HURLYAVE-STURGNPL_115_HS	HS	115	211	224	241	25834	65
HYATT___115_34__BK 1	BK 1	115	61	76	100	70329	14
HYATT___-BORDRCTY_115_10-979	979	115	143	143	143	25106	26
IMC_TAP_-MECO___115_15-IM	15-IM	115	152	166	175	26132	18
INDCORTH-SPIERFLS_115_18	18	115	340	374	414	26149	133
INDK-OSW-LIGHTHSE_115_2	2-ILH	115	139	144	159	25503	39
INDN_PT3-BUCHAN_S_345_W96	W96	345	1793	1793	2266	25570	1036
INDPDNCE_345_18__TB 5	MT 5	345	215	235	255	68303	161
INDPDNCE_345_18__TB 6	MT 6	345	215	235	255	68304	161
INDPDNCE-SCRIBA__345_25	25	345	1918	2115	2390	25859	114
INGHAM_C_115_115_PAR 2	PAR 2	115	197	234	239	25242	120
INGHAM_E-ESPRGFLD_115_7-942	7	115	114	131	152	25061	29
INGHAM_E-IMC_TAP__115_15	15-II	115	128	135	152	25871	31
INGHAM_E-STJHNVLE_115_6	6-IS	115	104	107	122	26133	31
INGHAM_E-STONER__115_9	9-IS	115	128	135	152	25863	13
JAMAICA_-LAKSUCSS_138_903	903	138	271	350	428	25090	199
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	307	368	441	25048	100
JENNISON_115_46__BK 1A	BK 1A	115	57	58	61	69462	17
JENNISON-HANCOCK__115_954	954	115	119	120	120	26186	23
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	72
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	10
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	76
KATONAH_-AMAWALK__115_995	995	115	261	287	311	325279	24
KATONAH_-GLDNBRGD_115_991	991	115	261	287	311	26157	21
KENTAVE_-GREENWD__138_31232	31231-2	138	195	249	310	25299	104
KINGS___-WEST BUS_138_881	881	138	563	604	669	326911	132

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
KINTIGH_-ROCHESTR_345_SR1-39	SR-1	345	1591	1745	1793	25073	291
KNAPPCRN_115_69__TR 2	TR 2	115	48	59	60	25838	10
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	238	262	291	26240	23
KNAPPCRN-SPACKILL_115_SK	SK	115	238	262	291	325777	44
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	7
LABDELFE-FENERWND_115_3	3	115	152	166	175	326864	10
LADENTWN-BOWLINE__345_68	68	345	777	837	837	25249	178
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	628
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1976	2387	2895	25248	149
LAFAYTTE-CLRKSCRN_345_4-46	16893	345	1279	1410	1781	25049	740
LAFAYTTE-DEWITT__345_22	22	345	1643	1643	1643	25174	319
LAKELAND-BELMONT__115_4	4	115	190	208	221	326804	36
LAKEVIEU-CLVRBANK_115_142	142	115	107	117	123	325881	36
LAKRD_OR-BLUELAKE_69_981	981	69	139	152	158	326313	23
LAKSUCSS_138_69__BK 5	BK 5	138	258	304	338	26603	98
LAKSUCSS_138_69__BK 6	BK 6	138	258	304	338	325098	90
LAKSUCSS_138A_138B_PAR	B_PAR	138	339	356	427	25593	200
LAKSUCSS-GRTNECK__69_414	414	69	101	149	251	325846	25
LAKSUCSS-GRTNECK__69_479	479	69	87	106	117	26587	26
LAKSUCSS-GRTNECK__69_480	480	69	147	176	195	26588	28
LAKSUCSS-SPERRY__69_481	481	69	120	137	149	26586	39
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	40
LAONA__-MOONS_SW_115_172	172	115	107	117	123	326591	12
LAONA__-MOONS_SW_115_173	173	115	107	117	123	326592	12
LAUREL L-GOUDEY__115_952	952	115	133	149	162	25012	49
LAWRNCAV-HANAWAFL_115_5	5	115	268	293	317	26085	8
LAWRNCAV-SUGARISL_115_4	4	115	268	293	317	326186	6
LEEDS__-ATHENS__345_95	95	345	1624	1783	1946	25789	296
LEEDS__-HURLYAVE_345_301	301	345	1713	1885	1912	25055	537
LEEDS__-PLSNTVLY_345_92	92	345	1624	1783	1912	25056	824

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LEVITTWN-BETHPAGE_69__570	570	69	164	176	195	26523	9
LEVITTWN-GRUMMAN__69__573	573	69	115	132	132	26583	36
LEVITTWN-PLAINDGE_69__571	571	69	164	176	195	26521	45
LIGHTHSE-EWATR2WN_115_5	5	115	119	119	119	25504	20
LIGHTHSE-MALLORY__115_7	7-CL	115	141	144	165	25521	19
LINCNPRK-EKINGSTN_115_LR	LR	115	243	260	282	26223	40
LINDEN__-GOETHALS_230_A2253	A2253	230	688	785	908	25017	0
LINDHRST-W.BABYLN_69__753	753	69	96	106	111	326344	26
LINDN_CG-LNDVFT__345_V-3022	V-3022	345	325	415	436	325657	312
LINE8TAP-WOLF_RD__115_8	8	115	141	144	165	326641	29
LITTLRIV-COLTON__115_8	8	115	93	101	106	25514	6
LITTLRIV-PYRITES__115_7	7	115	87	87	87	326402	8
LNGRD209-GARDNVLB_115_180	180	115	194	199	233	326282	106
LOCKPORT-HINMAN__115_100	100	115	268	293	317	25087	134
LOCKPORT-N.AKRON__115_108	108	115	158	162	187	25266	36
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	38
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	38
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	55
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	34
LOCKPORT-TELGRAPH_115_114	114-1	115	174	191	199	25264	44
LOCUSTGR-NEWBRDGE_138_558	558	138	351	579	659	25158	328
LOCUSVLY-OYSTERBY_69__532	532	69	96	106	111	326114	5
LONG_MTN-CRICKVLY_345_398	398	345	1414	1549	1796	25033	72
ONGLANE-LAFARGE__115_6	6	115	141	144	165	25864	79
LOVETT__138_69__BK 147	BK 147	138	94	130	149	26331	20
LOVETT__-BOWLINOR_138_56	56	138	279	305	317	25877	24
LOVETT__-CEDAR_OR_69__55	55	69	113	124	129	25886	20
LOVETT__-STONYPNT_138_54	54	138	282	309	321	25885	6
LOWVILLE-BOONVLE_115_5	5-LB	115	128	135	152	26075	35
LUDLUM__-BENETTRD_115_161	161-3	115	213	225	242	326230	22

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LUDLUM__-BENETTRD_115_162	162-2	115	213	225	242	326229	20
LUTHERFT-MALTA___115_1	1	115	213	292	324	325889	27
LUTHERFT-MALTA___115_302	302	115	213	292	318	325890	8
LUTHERFT-MULBRYNM_115_3	3	115	312	343	377	26477	30
LUTHERFT-MULBRYNM_115_308	308	115	312	320	320	325742	36
LYON_MTN-KNTFSRNC_115_1(911)	911	115	149	172	204	26205	2
LYSANDER-SORELHIL_115_13	13	115	234	256	277	326799	49
MACHIAS_-VALLEY44_115_152	152	115	156	171	174	326172	11
MACHIAS_-VALLEY44_115_167	151	115	145	160	178	326169	3
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	34
MALLORY_-WETZEL___115_7	7-CL	115	224	224	224	326206	6
MALONE__-NICHLVLE_115_3	3-NM	115	168	197	199	25585	8
MALONE__-WILLIS___115_MW1-910	1-MW	115	168	191	199	25586	69
MALTA___-TAPBLSTN_115_1	1	115	268	293	317	325891	27
MALTA___-TAPBLSTN_115_302	302	115	268	293	317	325892	21
MANCHSTR-SPACKILL_115_MC	MC	115	243	267	293	325776	63
MANHASET-GLENWOOD_69__467	467	69	164	176	195	326594	12
MAPLE140-BUFALO54_115_38	38	115	211	217	255	326157	68
MAPLE140-BUFALO54_115_39	39	115	211	217	255	326158	66
MAPLEWOD-WTRVLARS_115_19	19	115	168	212	239	25870	48
MAPLEWOD-WTRVLARS_115_31	31	115	168	188	239	25844	58
MARCY___765_345_AT2	BK 2	765	1917	2034	2297	25456	334
MARCY___765_345_BK 1	BK 1	765	1756	1756	1756	25455	380
MARCY__-EDIC___345_UE1-7	UE1-7	345	2187	2390	2390	25229	235
MARCY__-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	507
MARCY__-N.SCTLND_345_18	18	345	1793	2034	2241	25276	619
MARION__-FARRAGUT_345_C3403	C3403	345	454	645	841	25038	0
MARSHVLE-CLINTON__115_12	12	115	152	159	159	325267	3
MASSAPEQ-STERLING_69__567	567	69	167	184	203	26525	3
MASSENA__765_230_AT1	BK 1	765	1288	1378	1872	25665	91

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MASSENA__765_230_AT2	BK 2	765	1288	1378	1872	25666	91
MASSENA_-MARCY___765_MSU1	MSU1	765	5300	6254	6625	25224	714
MCADOO__-DEKALB___115_4	4	115	93	101	106	26064	10
MCADOO__-LITTLRIV_115_8	8	115	87	87	87	326404	6
MCADOO__-MCINTYRE_115_8	8	115	87	87	87	326410	6
MCARTHUR-BAYPORT__69__776	776	69	96	106	111	326409	12
MCINTYRE-CORNING__115_6	6	115	156	158	159	26108	1
MCKNOWNV-NEWKRMKL_115_8	8	115	337	373	414	26499	97
MECO___-CHURCH_S_115_10	10-AM	115	152	153	153	26120	4
MENANDS_-REYNOLDS_115_2	2-MR	115	255	282	316	26135	109
MENANDS_-RIVERSDE_115_3	3-MR	115	298	344	414	26134	92
MENANDS_-WTRVLARS_115_19	19	115	156	170	181	326246	51
MERTPARK-WICCOPEE_115_WP	WP	115	244	260	282	325772	19
MEYER___-CANANDGA_230_60	60	230	591	649	715	325604	90
MEYER___-MORAINES_115_966	966	115	149	172	191	26166	58
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	182
MIDDLERD-BABBITSC_115_6	6	115	141	144	165	326735	20
MIDDLETP_345_138_BK 114	BK114	345	506	587	671	26465	182
MIDDLETP-ROCKTVRN_345_CCRT34	CCRT-34	345	1918	2115	2390	26464	353
MILAN___-PLSTVYCH_115_10	10	115	168	187	199	26433	16
MILAN___-RHINEBCK_115_MR	MR	115	219	232	239	26242	10
MILLERPL-HOLBROOK_138_885	885	138	525	586	664	26691	2
MILLIKEN-ETNA___115_974	974	115	231	260	286	26177	25
MILLIKEN-ETNA___115_975	975	115	231	260	286	26178	27
MILLWOOD_345_138_TA 1	TA 1	138	248	333	359	25530	17
MILLWOOD_345_138_TA 2	TA 2	138	234	305	321	25531	14
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	910
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	863
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	862
MILTON_C-GRS_LOCK_115_18	18-MG	115	156	171	182	26104	5

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MILTR209-SUMMIT97_115_130	129	115	239	317	317	326291	108
MILTR210-SUMMIT97_115_129	129	115	239	294	299	326288	90
MNTNDALE-WWDBURNY_115_957	957	115	120	120	120	325616	22
MODENA__115_69__BK1	BK1	115	40	50	53	26325	3
MODENA__-GALEVILE_69__MG	MG	69	49	52	58	26236	3
MODENA__-OHIOVLE_115_PX	PX	115	285	310	349	25835	4
MOHANSIC_115_13__BK 2	BK 2	115	26	28	33	26482	9
MOHANSIC_115_13__BK 4	BK 4	115	26	28	33	26483	12
MOHICAN_-BATNKILL_115_15	15	115	270	297	324	26122	11
MOHICAN_-MULBRYNM_115_3	3	115	227	248	268	26687	30
MONROE__-HARRIMAN_69__312	312	69	141	154	160	26269	32
MONROE__-SUGRLOAF_69__313	313	69	181	229	258	26270	72
MONSEY__-BURNS____138_601	601	138	456	478	500	325608	76
MONTRFL_-CODNIGTN_115_982	982	115	133	149	162	25728	10
MONTRFL_-RIDGE_RD_115_963	963-2	115	133	145	149	26196	12
MONTRFL_-RIDGE_RD_115_978	978-2	115	133	149	162	26197	12
MONTVALE-BLUE_HIL_69__43	43	69	22	27	32	26279	1
MONTVALE-BLUE_HIL_69__44	44	69	22	27	32	26502	1
MOONS_SW-FALCONER_115_172	172	115	107	117	123	26030	24
MOONS_SW-FALCONER_115_173	173	115	107	117	123	26031	23
MORGANRD-LANGDON__115_936	936	115	238	239	239	325224	13
MORTIMER-FAIRPORT_115_1	1	115	168	181	183	25163	44
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	35
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	13
MORTIMER-STA_56__115_24	43489	115	156	171	182	25096	42
MORTIMER-STA_56__115_25	43490	115	139	146	162	25095	64
MOSES____230_115_AT1	BK 1	230	526	589	719	25411	34
MOSES____230_115_AT3	BK 3	230	220	276	288	25452	13
MOSES____230_115_AT4	BK 4	230	551	598	719	25453	34
MOSES__-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	0

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MOSES___-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	103
MOSES___-ALCOA_PA_115_MAL6	MAL6	115	256	282	327	25581	106
MOSES___-GRASRIVR_115_MAL4	MAL4	115	291	319	350	25582	109
MOSES___-GRASRIVR_115_MAL5	MAL5	115	291	319	350	25583	109
MOSES___-MASSENA__230_MMS1	MMS1	230	1279	1378	1593	25274	91
MOSES___-MASSENA__230_MMS2	MMS2	230	1279	1378	1593	25275	91
MOSES___-MED-ENGS_115_MRG1	MRG1	115	223	237	259	26328	93
MOSES___-MED-ENGS_115_MRG2	MRG2	115	223	237	259	26335	75
MOSES___-WILLIS__230_MW1	MW1	230	447	473	517	25188	5
MOSES___-WILLIS__230_MW2	MW2	230	447	473	517	25271	5
MOSHIER_-TAYLORVL_115_7-MT	7-MT	115	49	49	49	26109	15
MOTTHAVN-RAINEY___345_Q11	Q11	345	741	858	1309	325430	366
MOTTHAVN-RAINEY___345_Q12	Q12	345	741	858	1309	325431	343
MOUNTAIN-SWANROAD_115_103	103	115	224	250	282	26054	74
MOUNTAIN-SWANROAD_115_104	104	115	224	250	282	26053	0
MTCHGRDN-NEWBRDGE_69__475	475	69	141	174	195	25606	9
MULBRYNM-EASTOVER_115_308	308	115	227	248	268	26475	41
MYERSCRN-KNAPPCRN_69__KM	KM	69	54	56	63	326396	9
N._SALEM-BATNKILL_115_989	989	115	45	52	57	26448	2
N.AKRON_-BATAVIA__115_107	107	115	159	159	159	25124	21
N.AKRON_-BATAVIA__115_108	108	115	152	159	159	25125	21
N.END___115_46__BK 1	BK 1	115	70	71	75	25849	30
N.END___-ASHLEYRD_115_702	702	115	351	386	434	25846	47
N.END___-PLATSBRG_115_701	701	115	239	239	239	25848	101
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	81
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	78
N.SCTLND-ALBANY___115_8	8-NA	115	340	373	414	25496	32
N.SCTLND-ALPS_____345_2	2	345	1278	1410	1792	25217	273
N.SCTLND-ALTAMONT_115_20	20-NV	115	141	144	165	25492	45
N.SCTLND-BETHLHEM_115_4	4-NB	115	311	313	313	25497	19

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
N.SCTLND-FEURABSH_115_3	3-NF	115	311	341	375	25495	63
N.SCTLND-LEEDS___345_93	93	345	1534	1692	1912	25171	629
N.SCTLND-LEEDS___345_94	94	345	1534	1692	1912	25203	625
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	1
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	14
N.SCTLND-ROTTRDAM_115_13	13-NR	115	255	282	358	25494	51
N.SCTLND-VORHVSLE_115_19	19-NV	115	141	144	165	25493	36
N.TROY__-EASTOVER_115_306	308	115	227	248	268	326095	6
N.TROY__-EASTOVER_115_307	10	115	222	234	268	326096	5
N.TROY__-HOOSICK__115_5	5-NHF	115	232	232	232	26131	15
N.TROY__-REYNOLDS_115_16	16-NR	115	222	234	239	26139	54
N.TROY__-WYNTKLNM_115_14-988	14-NW	115	224	248	268	26137	56
NANGOLA_-DELEMTER_115_141	141	115	107	117	123	325872	25
NANGOLA_-DELEMTER_115_142	142	115	107	117	123	325879	22
NANGOLA_-SILVRCK_115_141	141	115	107	117	123	325871	14
NANGOLA_-SILVRCK_115_142	142	115	107	117	123	325878	11
NANOTECH-MCKNOWNV_115_2	2	115	337	373	414	326637	77
NANUET__-PEARLRVR_69__491	491T	69	29	33	40	26505	22
NBRDWYNG-ERIE_ST__115_181-922	181-922	115	145	160	178	26011	63
NCATSKLL_115_69__TR 4	TR 4	115	57	71	79	25839	19
NCATSKLL_115_69__TR 5	TR 5	115	53	65	73	25818	19
NCATSKLL-MILAN___115_T7	T7	115	168	199	199	26243	10
NCATSKLL-SAUGRTES_69__H	H-2	69	86	90	96	26214	16
NCHELSEA_115/69__BK TR1	BK TR1	115	40	50	53	25836	5
NCHELSEA-FISHKPLN_115_NF	NF	115	255	290	315	26228	0
NCHELSEA-FORGEBRK_115_FO	FO	115	225	251	282	26230	27
NCHELSEA-MYERSCRN_69__TV	TV	69	49	52	58	26220	5
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	661
NESCNSSET-HOLBROOK_69__673	673	69	132	146	156	326339	16
NEVRSNK_-NVRSK_TP_69__WH	WH1-2	69	101	114	121	26244	4

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NEVRSNK_-WDELV_TP_69__HG	HG	69	51	56	72	325624	1
NEWBRDGE_138_69__BK 6	BK 6	138	130	159	212	26604	61
NEWBRDGE_138_69__BK 7	BK 7	138	130	159	212	26605	61
NEWBRDGE_345_138_BK_1	BK 1	345	440	469	562	325301	331
NEWBRDGE_345_138_BK_2	BK 2	345	450	469	562	325302	331
NEWBRDGE-BAGATLRD_138_563	563	138	402	594	658	25536	57
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	661
NEWBRDGE-EGRDNCTY_138_467	467	138	267	468	666	325378	87
NEWBRDGE-JERICHO__69__474	474	69	120	137	149	26606	30
NEWBRDGE-LEVITTWN_69__565	565	69	164	176	195	26584	22
NEWBRDGE-RULAND__138_561	561	138	300	329	352	25305	110
NEWBRDGE-RULAND__138_562	562	138	299	327	350	25306	110
NEWBRDGE-RULAND__138_567	567	138	257	386	425	325379	109
NEWCASSL-JERICHO__69__469	469	69	132	146	156	326401	6
NEWKRMKL-ALBANY__115_7	7	115	340	371	413	325257	112
NIAGARA__230_115_AT1	BK T1	230	220	276	288	25409	56
NIAGARA__230_115_AT2	BK T2	230	275	349	414	25410	3
NIAGARA__345_230_AT3	BK 3	345	433	542	564	25408	20
NIAGARA__345_230_AT4	BK 4	345	864	896	1037	25449	37
NIAGARA__345_230_AT5	BK 5	345	433	542	564	25450	20
NIAGARA_-KINTIGH__345_NS1-38	NS1-38	345	1591	1745	1793	25074	128
NIAGARA_-LNGRD209_115_180	180	115	243	249	297	25104	115
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	74
NIAGARA_-MOUNTAIN_115_121	121	115	40	40	40	326182	2
NIAGARA_-MOUNTAIN_115_122	122	115	40	40	40	326183	2
NIAGARA_-PACKARD__115_191	191	115	348	358	398	25075	145
NIAGARA_-PACKARD__115_192	192	115	319	339	382	25099	163
NIAGARA_-PACKARD__115_193	193	115	348	358	398	25100	116
NIAGARA_-PACKARD__115_194	194	115	348	358	398	25101	116
NIAGARA_-PACKARD__115_195	195	115	359	359	475	25102	139

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NIAGARA_-PACKARD__230_61	61	230	767	844	949	25186	331
NIAGARA_-PACKARD__230_62	62	230	717	717	949	25220	324
NIAGARA_-ROBNSNRD_230_64	64	230	639	678	717	25088	238
NIAGARA_-ROCHESTR_345_NR2	NR2	345	1591	1745	1904	25084	181
NIAGARA_-SANBORN__115_101	101	115	285	300	318	326180	77
NIAGARA_-SANBORN__115_102	102	115	319	339	382	25103	76
NIAGB130-ECWABALP_115_181-922	181-922	115	211	217	255	26057	109
NIAGB130-ECWABALP_115_182	182	115	211	217	255	326278	97
NICHLVLE-PARISHVL_115_3	3-PN	115	156	170	181	26110	2
NILE____-ANDOVER__115_157	157-2	115	128	135	152	26016	3
NINEMILE-CLAY____345_8	8	345	1278	1410	1624	25167	686
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	23
NINEMILE-SCRIBA__345_9	9	345	1278	1410	1792	25359	65
NO.LEROY-MUMFRD50_115_119	119	115	168	185	196	326559	3
NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	15
NORFOLK_-LAWRNCAV_115_4	4	115	268	293	317	326397	14
NRTH1385-NOR HBR__138_601	601	138	147	200	409	325597	34
NRTH1385-NOR HBR__138_602	602	138	147	200	409	325598	33
NRTH1385-NOR HBR__138_603	603	138	147	200	409	325599	33
NRTH1385-NRTHPORT_138_NNC	1385	138	441	569	569	25035	100
NRTHILLS-MANHASET_69__368	368	69	88	100	106	326593	14
NRTHPORT_138_138_PS2	138_PS2	138	473	488	586	25599	183
NRTHPORT-ELWOOD__138_678	678	138	356	608	674	25543	17
NRTHPORT-ELWOOD__138_681	681	138	358	611	676	25544	14
NRTHPORT-PILGRIM__138_672	672	138	176	289	418	25307	119
NRTHPORT-PILGRIM__138_677	677	138	355	578	670	25308	238
NRTHPORT-PILGRIM__138_679	679	138	358	580	668	25309	238
OAKDALE__230_115_BK 1	BK 1	230	318	435	440	25400	40
OAKDALE__345_115_BK 3	BK 3	345	489	577	600	25399	182
OAKDALE_-DELHI____115_919	919	115	171	179	179	25897	23

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
OAKDALE_-ENDICOTT_115_938	938	115	171	188	239	26198	83
OAKDALE_-FRASER__345_32	32	345	1494	1692	1793	25235	171
OAKDALE_-GOUDEY__115_939	939	115	292	321	352	26182	97
OAKDALE_-KATTLVLE_115_943	943	115	171	188	221	26201	92
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199	80
OAKFIELD-BATAVIA__115_112-2	112-2	115	156	162	181	25126	26
OAKWD232-LOCKPORT_115_36	36	115	176	181	199	326369	45
OAKWD232-LOCKPORT_115_37	37	115	196	199	199	326372	47
OAKWOOD_-ELWOOD__138_674	674	138	381	588	666	25545	63
OAKWOOD_-SYOSSET__138_675	675	138	263	365	658	25547	99
OHIOVLE-HIGHLAND_115_OR	OR	115	223	234	278	26247	34
ONEIDA__SHERILPL_115_6	6	115	141	144	159	26113	51
ONEIDA__WALESVIL_115_7	7	115	141	144	159	26115	18
ORCHARD_-LOCUSVLY_69_531	531	69	96	106	111	26613	23
OSWEGO__345_115_BK 7	BK 7	345	576	657	774	25372	252
OSWEGO__ELBRIDGE_345_17	17	345	1278	1410	1792	25234	696
OSWEGO__S.OSWEGO_115_3	3-OS	115	209	239	239	25507	124
OSWEGO__S.OSWEGO_115_5	5-OS	115	209	239	239	25508	124
OSWEGO__VOLNEY__345_11	11	345	1278	1410	1792	25199	63
OSWEGO__VOLNEY__345_12	12	345	1278	1410	1792	25201	63
OWENSCRN-SABICO__115_7	7	115	141	144	165	325736	4
OWENSCRN-SABICO__115_9	9	115	141	144	165	325737	2
PACKARD__230_115_BK 3	BK 3	230	233	250	250	25414	6
PACKARD__230_115_BK 4	BK 4	230	235	250	250	25415	53
PACKARD_-LNGRD209_115_182	182	115	243	249	297	26056	122
PACKARD_-MILTR209_115_129	129	115	239	317	317	25906	98
PACKARD_-MILTR210_115_130	130	115	239	317	317	26059	114
PACKARD_-NIAGB130_115_181-922	181-922	115	194	199	233	26055	119
PACKARD_-SAWYER__230_78	78	230	680	747	836	25195	319
PALMITER-BENNETT__115_932	932	115	95	100	111	26165	15

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PANNELL__345_115_3T	BK 3	345	314	336	336	25572	80
PANNELL__345_115_BK 1	BK 1	345	273	329	336	25396	77
PANNELL__345_115_BK 2	BK 2	345	273	328	336	25431	77
PANNELL_-CLAY____345_1	PC1	345	1195	1195	1195	25058	196
PANNELL_-CLAY____345_2	2	345	1195	1195	1195	25050	197
PANNELRG-FARMGTN__115_4-977	4-FP	115	268	293	317	25080	120
PANNELRG-STA_56__115_24	24	115	156	171	182	26285	91
PANNELRG-STA_56__115_25	25	115	156	171	181	26284	75
PARISHVL-COLTON__115_3	3-CP	115	156	170	181	25241	5
PATROON_-NANOTECH_115_6	6	115	340	373	414	25866	55
PAVMNTRD-STOLLERD_115_926	926	115	299	335	368	325220	32
PAWLING_-TILYFSTR_115_994	994	115	175	178	179	25902	23
PEARLRVR_69__34__BK 431	BK 431	69	29	33	40	26695	0
PEARLRVR-HARNGCRN_34__45	45	34	25	29	32	26278	2
PEARLRVR-MONTVALE_69__491	491	69	141	154	160	26273	22
PEAT ST_-HDSNBRDG_115_10	10	115	207	233	233	26648	63
PEAT ST_-HDSNBRDG_115_7	7	115	340	374	414	26649	15
PETERBOR-ONEIDA__115_5	5	115	141	144	165	25896	32
PIERCBRK-FIVEMILE_345_37	37	345	1829	2008	2211	326225	20
PILGRIM__138B_138A_PAR	138_PS2	138	351	369	443	25604	140
PILGRIM_-COMMACK__69_674	674	69	143	157	168	26539	41
PILGRIM_-HAUPPAUG_138_871	871	138	345	368	419	25550	140
PILGRIM_-KINGS____138_880	880	138	559	603	664	25537	177
PINEBUSH-WOODLAWN_115_35	35	115	141	144	165	326633	3
PINELAWN-W.BABYLN_69__754	754	69	141	141	141	26528	40
PINES____-BRENTWOD_69__758	758	69	132	146	156	326314	23
PLAINVIE-RULAND__69__560	560	69	80	99	117	26562	14
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	11
PLATTSBURGH PMLD #2	PS-1/A	115	179	179	224	69888	8
PLSNTVLE_345_13__BK 1	BK 1	138	64	70	70	25477	24

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PLSNTVLE_345_13__BK 2	BK 2	138	64	70	70	25478	24
PLSNTVLE-DUNWODIE_345_W89	W89	345	1976	2282	2542	25182	660
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	693
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	193
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	193
PLSNTVLY-WOOD_ST__345_F30	F30	345	1976	2384	2895	25237	570
PLSNTVLY-WOOD_ST__345_F31	F31	345	1976	2384	2895	25238	539
PLSTVYCH_115_69__TR 10	TR 10	115	134	143	143	25840	41
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	75
PLSTVYCH-HIBERNIA_69__E	E	69	50	50	50	25629	15
PLSTVYCH-INWOOD__115_X1	X-1	115	219	232	255	26209	54
PLSTVYCH-MANCHSTR_115_M	M	115	243	267	293	26208	82
PLSTVYCH-TODDHILL_115_C	C	115	255	302	334	325156	77
PLYMTHST-HUDS_AVE_138_32078	32078	138	173	265	477	326581	41
PORTER__-DERFIELD_115_8	8	115	127	127	127	26116	18
PORTER__-ROTTDAM_230_30	30-PR	230	511	564	634	25173	202
PORTER__-ROTTDAM_230_31	31-PR	230	511	564	634	25194	204
PORTER__-VALLEY__115_4	4-PV	115	141	144	165	25231	73
PORTER__-WATKINRD_115_5	5-PW	115	141	144	165	25232	85
PORTJEFF_138_69__BK 7	BK 7	138	127	156	208	25601	48
PORTJEFF_138_69__BK 8	BK 8	138	130	159	212	25600	50
PORTJEFF-HOLBROOK_138_862	862	138	340	376	413	25539	3
PORTJEFF-HOLBROOK_138_886	886	138	341	377	415	25540	3
PORTJEFF-							
WILDWOOD_69__881_872_87	881_872	69	96	106	111	26612	17
PORTWASH-BARBEACH_69__471	471	69	150	176	195	325218	3
PYRITES_-DEKALB__115_7	7	115	93	101	106	26065	8
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093	30
QUAKERRD-PANNELRG_115_914	914	115	265	295	312	25261	10
QUAKERRD-SLEIGHT__115_13-980	980(13)	115	187	206	221	25079	61

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
QUAKERRD-STA_204__115_908	908	115	289	305	335	26286	82
QUENBRDG-VERNON__138_31281	31281	138	413	550	602	25159	39
QUENBRDG-VERNON__138_31282	31282	138	413	550	602	25160	12
QUENSBRY-CEDAR__115_10	10	115	156	170	181	26140	44
QUENSBRY-SHERMAN__115_17	17-QS	115	141	144	165	26142	46
RAINEY__-FARRAGUT_345_61	61	345	608	801	1286	25152	249
RAINEY__-FARRAGUT_345_62	62	345	739	854	1293	25253	229
RAINEY__-FARRAGUT_345_63	63	345	608	801	1286	25254	249
RAINEY__-VERNON__138_36311	36311	138	280	325	413	25296	228
RAINEY__-VERNON__138_36312	36312	138	295	353	409	25297	249
RAMAPO__345_138_BK 1300	1300	345	451	546	619	25441	107
RAMAPO__345_138_BK 2300	2300	345	658	752	825	25442	97
RAMAPO__345_345_PAR3500	PAR3500	345	740	901	1150	25370	120
RAMAPO__345_345_PAR4500	PAR4500	345	728	931	1093	25371	120
RAMAPO__500_345_BK 1500	BK 1500	345	1160	1419	1923	25656	241
RAMAPO__-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	214
RAMAPO__-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	599
RAMAPO__-SUGARLOF_345_76	76	345	2271	2271	2271	326219	412
RAMAPOOR-STRLFRST_138_26	26	138	314	343	356	326302	23
RAMAPOOR-TALLMAN__138_60	60	138	456	478	500	25880	131
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	19
REYNOLDS_345_115_BK 2	BK 2	345	585	676	796	25403	239
REYNOLDS-ALPS____345_1	1	345	1912	1912	1912	25587	257
REYNOLDS-GERENSLR_115_31	31	115	255	282	316	326247	65
REYNOLDS-GREENBSH_115_9	9	115	426	470	537	26129	101
REYNOLDS-RVSD_TAP_115_4	4	115	239	239	239	325648	27
RICHFELD-ESPRGFLD_115_7-942	942	115	119	120	120	26176	27
RIDGE_LI-COOPR_LI_69__873	873	69	132	146	156	326579	51
RIDGE_RD-HILLSIDE_115_963	963	115	133	149	162	26190	11
RIDGE_RD-HILLSIDE_115_978	978-1	115	133	149	162	26191	12

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	27
RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	67
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	78
RIVRHEAD_138_69__BK 7	BK 7	138	130	159	208	26622	46
RIVRHEAD_138_69__BK 8	BK 8	138	127	156	208	26623	40
RIVRHEAD-SOUTHOLD_69__956_957	956_957	69	132	146	156	26621	20
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	216
ROCHESTR_345_115_BK 1	BK 1	345	582	629	630	25412	120
ROCHESTR_345_115_BK 2	BK 2	345	389	476	478	25432	143
ROCHESTR_345_115_BK 3	BK 3	345	582	629	630	25446	122
ROCHESTR_345_115_BK 5	BK 5	345	546	630	630	325381	239
ROCHESTR-PANNELL__345_RP1	RP1	345	1591	1745	1904	25192	78
ROCHESTR-PANNELL__345_RP2	RP2	345	1591	1745	1904	25172	78
ROCKHILL-MNTNDALE_115_957	957	115	184	192	200	325615	25
ROCKTVRN_345_115_BK TR1	BK TR1	345	485	530	530	25406	104
ROCKTVRN_345_115_BK TR3	BK TR3	345	485	533	560	26168	104
ROCKTVRN-RAMAPO__345_77	77	345	2271	2271	2271	25183	489
ROCKTVRN-SUGARLOF_345_76	76	345	2271	2271	2271	326218	530
ROCKTVRN-SUGRLOAF_115_SL	SL	115	179	196	206	25420	0
ROCKTVRN-UNION_CH_115_RJ	RJ	115	171	188	239	326347	26
ROME___-ONEIDA__115_1	1-RO	115	168	187	216	26112	43
RONKOKMA-HOLBROOK_138_875	875	138	547	590	650	25541	19
ROSA_RD_-GE_R_D__115_14	14	115	245	257	294	26145	40
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1254
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	61
ROTTRDAM_230_115_BK 6	BK 6	230	406	464	476	25407	112
ROTTRDAM_230_115_BK 7	BK 7	230	346	396	448	25392	107
ROTTRDAM_230_115_BK 8	BK 8	230	377	427	474	25413	87
ROTTRDAM-BURDECK__115_17	17-RB	115	141	144	165	25129	16
ROTTRDAM-BURDECK__115_19	19-RB	115	141	144	165	26146	22

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ROTTRDAM-CURRY_RD_115_11	11	115	141	144	165	25869	23
ROTTRDAM-EASTOVER_230_38	38	230	511	564	637	326094	89
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147	94
ROTTRDAM-PINEBUSH_115_35	35	115	141	144	165	25865	15
ROTTRDAM-SWAGRTWN_115_1	1	115	478	478	478	26429	82
ROTTRDAM-SWAGRTWN_115_2	2	115	282	288	318	26430	55
RULAND__-HOLBROOK_138_882	882	138	568	613	675	25538	73
RULAND__-PILGRIM__138_661	661	138	590	590	590	25310	30
RULAND__-PILGRIM__138_662	662	138	567	589	589	25311	30
RULAND__-PINELAWN_69__755	755	69	96	106	111	26561	57
RULAND__-STATSCHL_69__665	665	69	96	106	111	26560	32
RUTHROAD-LINE8TAP_115_8	8	115	141	144	165	326639	20
RYAN____-PLATSBRG_230_RYP-2	RYP-2	230	292	320	356	25273	28
RYNDS_HL-HIGHLAND_115_HR	HR	115	220	234	256	325825	20
RYNDS_HL-INWOOD__115_IR	IR	115	219	232	255	26248	34
S.FRMDAL-BERRY_LI_69__654	654	69	96	106	111	26530	53
S.FRMDAL-RULAND__69__651	651	69	143	157	168	26568	60
S.FRMDAL-RULAND__69__751	751	69	151	191	272	26569	1
S.FRMDAL-STERLING_69__657	657	69	96	106	111	26526	7
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	49
S.OSWEGO-CLEARWTR_115_9	9	115	199	199	199	25510	78
S.OSWEGO-CURTIS__115_10	10	115	199	199	199	25511	71
S.OSWEGO-HAMRHILL_115_6	6-IH	115	139	144	161	25513	20
S.OSWEGO-NINEMILE_115_1	1-SN	115	141	144	159	25501	29
S.OWEGO_-GOUDEY__115_961	961	115	143	157	167	25725	8
S.OWEGO_-NWAVERLY_115_962	962-2	115	143	157	167	25727	41
S.PERRY_-MEYER__115_934	934	115	106	116	120	26194	56
S.RIPLEY-DUNKIRK__230_68	68	230	368	368	368	25045	126
S124____115A_115B_PS1	PS1	115	176	242	414	325930	85
S124____115A_115B_PS2	PS2	115	176	242	414	325931	85

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
S42____-S124_____115_932	932	115	213	233	237	325827	85
S42____-S124_____115_938	938	115	213	230	230	325972	85
SABICO__-LONGLANE_115_7	7	115	199	199	199	26501	15
SALAMANC_HOMER_HL_115_153	153	115	156	159	159	325763	16
SALAMANC_HOMER_HL_115_154	154	115	156	159	159	325764	19
SANBORN_-LOCKPORT_115_101	101	115	285	300	318	25267	77
SANBORN_-SHAWNERD_115_102	102	115	350	371	413	326179	76
SAND_BAR-PLATSBRG_115_PV20	PV20	115	236	274	274	25027	107
SANDCREK-LINE8TAP_115_8	8	115	141	144	165	326640	10
SANDDOCK-NCHELSEA_115_SC	SC	115	255	282	315	26249	15
SAUGRTES-HURLYAVE_69__SB	SB	69	86	90	96	26238	24
SAWYER___230_23__TB1	TB1	230	100	140	140	325047	48
SAWYER___230_23__TB2	TB2	230	100	140	140	325048	49
SAWYER___230_23__TB3	TB3	230	100	140	140	325049	46
SAWYER__-HUNTLEY__230_77	77	230	691	760	848	325043	271
SAWYER__-HUNTLEY__230_78	78	230	691	760	848	325044	270
SAWYER__-SUNY_BUF_230_79	79	230	691	760	800	325045	232
SAWYER__-SUNY_BUF_230_80	80	230	691	760	848	325046	232
SCHODACK-GREENBSH_115_13	13	115	199	199	199	325804	83
SCHUYLER-PORTER___115_13	13	115	224	239	239	326142	41
SCOTAFLT-MASONCR___115_909	909	115	189	207	221	325702	3
SCRIBA__-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1912	25076	149
SCRIBA__-VOLNEY___345_20	20	345	1474	1626	1881	25204	646
SCRIBA__-VOLNEY___345_21	21-SV	345	1912	1912	1912	25314	845
SENECA__-GARDNVLB_230_71	71	230	306	354	370	25856	19
SENECA__-GARDNVLB_230_72	72	230	306	354	370	25857	20
SHALETON-CLVRBANK_115_141	141	115	107	117	123	325875	35
SHALETON-LAKEVIEU_115_141	141	115	107	117	123	325874	33
SHAWNERD-LOCKPORT_115_102	102	115	285	300	318	26052	69
SHAWNERD-LOCKPORT_115_103	103	115	199	199	199	26051	55

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SHENDOAH-EFISHKIL_115_EF	EF	115	243	267	293	26251	70
SHERILPL-YAHNUNDA_115_6	6	115	128	135	152	326740	26
SHERMAN_-SPIERFLS_115_17	17-SS	115	141	144	159	26148	33
SHERMCRK-ACADEMY__138_331	331	138	345	431	546	325755	150
SHERMCRK-ACADEMY__138_332	332	138	345	431	546	325754	150
SHERMCRK-E179THST_138_15031	15031	138	184	235	371	25156	175
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	173
SHOEMAKR_138_69__BK 711	BK 711	138	212	281	319	26694	52
SHOEMAKR_138_69__BK 811	BK 811	138	193	225	253	326024	65
SHOEMAKR-CHESTROR_138_27	27	69	282	309	321	26466	59
SHOEMAKR-HARTLYRD_69__24	24	69	83	90	94	26690	18
SHOEMAKR-MONGAUP__69__12	12	69	66	76	84	26693	3
SHOEMAKR-MONGAUP__69__13_131	13_131	69	66	76	84	26467	9
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	330
SHORE_RD_345_138_BK 1	BK 1	345	487	534	641	25439	300
SHORE_RD_345_138_BK 2	BK 2	345	487	534	641	25440	299
SHORE_RD-GLENWOOD_138_365	365	138	343	380	418	25205	101
SHORE_RD-GLENWOOD_138_366	366	138	363	426	474	25154	108
SHORE_RD-LAKSUCSS_138_367	367	138	248	363	620	25145	194
SHORE_RD-LAKSUCSS_138_368	368	138	249	365	622	25150	194
SHOREHAM-MILLERPL_138_879	879	138	526	588	666	25117	23
SHOREHAM-WILDWOOD_138_863	863	138	519	580	657	25115	145
SHOREHAM-WILDWOOD_138_867	867	138	528	590	668	25114	142
SHOREHM_-WILDWOOD_69__891	891	69	274	285	285	26570	13
SIDNEYRR-DELHI___115_949	949	115	117	120	120	326184	30
SLEIGHT__115_34__BK 1	BK 1	115	43	51	67	70523	17
SLEIGHT__115_34__BK 2	BK 2	115	43	51	67	70524	20
SLEIGHT_-CLYDE___115_3-971	971(3)	115	143	143	143	26686	24
SMAHWAH__345_138_BK 258	258	345	441	516	559	25393	122
SMAHWAH_-RAMAPO___345_69	69	345	1601	2010	2268	25021	80

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SMAHWAH_-RAMAPO___345_70	70	345	1822	2010	2552	25259	41
SMITHBRD-WEIBELAV_115_2	2	115	282	288	318	325903	13
SMITHBRD-WEIBELAV_115_302	302	115	268	292	317	325904	16
SMITHFLD-SALISBRY_69__690/FV	690	69	31	31	31	25619	1
SMITHTWN-FLOWRFLD_69__879	879	69	164	176	195	26609	23
SORELHIL-ANHRBUSH_115_9	9	115	234	256	277	326802	69
SORELHIL-BELMONT__115_13	13	115	227	229	229	326800	49
SOUTHDOW-CARRSCRN_115_153	153	115	156	170	181	326162	5
SOUTHDOW-CARRSCRN_115_154	154	115	156	170	181	326164	3
SOUTHOLD-BUELL___69_958	958	69	125	140	195	26626	1
SPENCPRT-STA_113__115_947	947	115	143	151	161	326080	46
SPERRY__-NRTHILLS_69_367	367	69	120	137	149	26572	39
SPIERFLS-BUTLER___115_4	4-SFB	115	128	135	152	26136	35
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	41
SPIERFLS-MOHICAN__115_7	7	115	141	144	165	26435	30
SPIERFLS-QUENSBRY_115_5	5-SFQ	115	141	145	165	26141	45
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	27
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	14
SPRINGVL-ARCADE___115_151	151	115	156	171	182	326167	26
SPRINGVL-MACHIAS__115_152	152	115	156	161	161	326171	20
SPRNBRK__345_138_BK N7	BK N7	345	382	451	472	25628	176
SPRNBRK__345_138_BK S6	BK S6	345	382	451	472	25625	170
SPRNBRK_-ACADEMY__345_M29	M29	345	536	775	1369	325756	301
SPRNBRK_-DUNWODIE_138_99941	99941	138	385	464	464	25245	170
SPRNBRK_-DUNWODIE_138_99942	99942	138	409	438	464	25246	175
SPRNBRK_-DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	633
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	692
SPRNBRK_-TREMONT__345_X28	X28	345	542	725	1220	25175	402
SPRNBRK_-W49TH_ST_345_M51	M51	345	832	979	1542	25053	483
SPRNBRK_-W49TH_ST_345_M52	M52	345	832	979	1542	25223	483

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STA_1185-STA_180_-115_907	907	115	77	95	111	326235	17
STA_128_-STA_82__115_906	906	115	155	171	181	26303	12
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	55
STA_135_-STA_230__115_929	929	115	282	298	313	325839	96
STA_158_-STA_128__115_924	924	115	155	171	179	26654	8
STA_162_-S.PERRY__115_906- 7X	906-7X	115	143	157	167	25062	21
STA_162_-STA_1185_115_907	907	115	121	149	174	325254	38
STA_162_-STA_158__115_924	924	115	155	171	179	26653	17
STA_204__115_34__BK 1	BK 1	115	56	67	112	70539	31
STA_204__115_34__BK 2	BK 2	115	56	67	112	70540	32
STA_204_-S124____115_911	911	115	272	280	306	26307	82
STA_23__-STA_262__115_944	944	115	400	538	640	70028	101
STA_230_-QUAKERRD_115_929	929	115	282	298	313	325840	89
STA_251_-MORTIMER_115_901	901	115	222	234	278	25097	104
STA_251_-STA_33__115_943	943	115	245	261	283	326101	153
STA_33__115_34__BK10	BK 1_2	115	74	80	90	70541	51
STA_37__115_34__BK 8	BK 8	115	50	59	100	70542	33
STA_37_-STA_48__115_926	926	115	351	373	414	26314	69
STA_37_-STA_48__34__716	716	34	43	45	48	26315	7
STA_37_-STA_67__115_926	926	115	250	280	300	26313	101
STA_418_-STA_113__115_917	917_910	115	155	171	181	326069	55
STA_48__115_34__BK 6	BK 6	115	60	71	73	70544	24
STA_48__115_34__BK 9	BK 9	115	67	74	112	70543	23
STA_56_-QUAKERRD_115_23	23	115	176	180	180	26288	74
STA_56_-STA_82__115_23	43519	115	176	181	209	26287	41
STA_67_-ROCHESRG_115_922	922	115	343	391	416	26321	143
STA_67_-STA_418__115_910	910	115	225	239	239	326048	77
STA_67_-STA_82__115_903	903	115	343	416	433	26322	78
STA_69_-STA_71__115_945	945	115	129	145	161	326238	9
STA_69_-STA_93__115_917	917	115	151	167	175	326237	17

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STA_7__-STA_48__115_919	919	115	282	299	314	26302	49
STA_7__-STA_48__115_927	927	115	304	335	349	326039	52
STA_7__-STA_93__115_917	917	115	143	149	159	26301	24
STA_70__-SPENCPR115_947	947	115	143	151	161	326343	29
STA_71__-STA_70__115_946	946	115	143	151	161	326342	10
STA_82__-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	136
STA_82__-ROCHESRG_115_904	904	115	608	657	657	25081	225
STA_82__-ROCHESRG_115_905	905	115	608	657	657	26305	217
STA_82__-STA_251__115_902	902	115	225	239	239	70058	28
STA_82__-STA_48__115_916	916	115	458	542	564	326055	87
STATE_ST-WRGTAVE_115_976	976	115	231	239	239	26200	104
STERLING_138_69__BK 3	BK 3	138	237	320	408	26524	101
STERLING-LINDHRST_69__752	752	69	96	106	111	26529	52
STERLING-RULAND__138_663	663	138	237	320	408	26498	101
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	26
STLAWRNC_230A_230C_PS 33	PS 33	230	285	298	363	25118	0
STLAWRNC_230B_230D_PS 34	PS 34	230	356	375	525	25119	0
STLAWRNC-MOSES__230_L33P	L33P	240	409	489	519	25026	0
STLAWRNC-MOSES__230_L34P	L34P	240	420	490	519	25037	0
STOLLERD_345_115_BK 3	BK 3	345	372	420	420	25461	22
STOLLERD_345_115_BK 4	BK 4	345	382	420	420	25462	22
STOLLERD-HISHELDN_230_67	67	230	506	556	603	25064	57
STONBROK-PORTJEFF_69__877	877	69	132	146	156	326336	18
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	93
STONER__-ROTTDAM_115_12	12-SR	115	121	121	121	25680	22
STONYRDG_230_115_BK1	BK1	230	291	336	336	325811	75
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	20
STRLEFRST-LAKRD_OR_69_98	98	69	141	154	160	326300	28
STURGNPL_115_69__BK8	TR 8	115	120	141	153	326293	9
STURGNPL-BOULEVRD_69__N	N	69	54	56	63	26211	4

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STURGNPL-DASHVILLE_69__O	O	69	54	56	63	26246	1
STURGNPL-OHIOVILLE_115_OR	OR	115	223	234	242	326294	53
STWMANOR-LAKSUCSS_69__366	366	69	88	100	106	26585	30
SUGARISL-COLTON___115_4	4	115	222	234	278	26084	8
SUGRLOAF_138_69__BK 6108	BK 6108	115	189	222	250	26333	44
SUGRLOAF_345_138_BK1112	BK1112	345	425	451	475	326220	116
SUGRLOAF_69__138_BK 7108	BK 7108	138	192	226	253	25891	49
SUGRLOAF-SGOSHEN__69__241	24	69	83	90	94	325306	11
SUGRLOAF-STRLFRST_138_261	26	138	314	343	356	25326	64
SUGRLOAF-WISNER___69__993	993	69	141	154	160	26696	17
SULLVNP-K-STONYRDG_115_712	712	115	277	320	320	325809	75
SUMMIT97-BUFALO78_115_130	129	115	239	317	317	326292	100
SUMMIT97-WALCK_RD_115_129	129	115	239	317	317	326289	66
SUNY_BUF-GARDNVLB_230_79	79-1	230	691	760	790	25165	218
SUNY_BUF-GARDNVLB_230_80	80-1	230	691	760	810	25196	213
SWAGRTWN-SODEMNRD_115_2	2	115	476	476	476	325894	81
SWANROAD-LOCKPORT_115_104	104	115	199	199	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	211	217	242	326181	62
SWEDEN__-BROCKP74_115_111	111	115	129	149	153	326130	33
SWEDEN__-BROCKP74_115_113	113	115	174	191	204	326132	26
SWEDEN__-MORTIMER_115_111	111	115	129	149	153	25347	0
SWEDEN__-MORTIMER_115_113	113	115	129	149	153	25348	2
SWEDEN__-SHELBY76_115_113	113	115	174	191	204	326131	28
SWETH224-GETZVL60_115_36	36	115	211	217	255	326365	11
SWETH224-GETZVL60_115_37	37	115	211	217	255	326366	12
SYLVANLK-PAWLING__115_990	990	115	239	239	239	26156	72
SYOSSET__138_69__BK 5	BK 5	138	258	304	338	26565	61
SYOSSET__WOODBURY_69_555	555	69	132	146	156	26567	38
SYOSSET_-LOCUSTGR_138_559	559	138	519	580	656	25904	286
SYOSSET_-OYSTERBY_69__533	533	69	164	176	195	326067	15

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
TALLMAN_-MONSEY___138_602	602	138	456	478	500	325609	101
TAPBLSTN-SWAGRTWN_115_1	1	115	331	364	404	326826	43
TAPBLSTN-WESTMLTN_115_302	302	115	268	293	317	326823	20
TAYLORVL-BULYMO___115_6	6	115	128	135	145	26070	43
TAYLORVL-LOWVILLE_115_5	5-TL	115	128	135	152	26107	54
TEALLAVE-ASH_____115_7-TA	7-TA	115	123	148	148	26063	37
TEALLAVE-ASH_____115_8-AT	8-AT	115	123	148	148	26117	37
TEALLAVE-BM_CC_GM_115_6	6	115	227	239	239	26154	69
TEALLAVE-CROUSEHD_115_13	13	115	239	239	239	326066	14
TEALLAVE-ONEIDA___115_2	2-OT	115	141	144	159	25895	56
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	66
TELGRAPH_115_34__114__BK 2	BK 2	115	66	79	79	26509	17
TELGRAPH_115_34__115__BK 1	BK 1	115	66	79	79	26013	20
TELGRAPH-AKRONVIL_115_107	107	115	231	231	231	26508	35
TELGRAPH-SHELBY76_115_114	114	115	129	149	153	25349	27
TEMPLE__-PEAT ST__115_10	10-TP	115	145	176	179	26715	49
TERMINAL-PORTER___115_6	6	115	243	249	297	326140	47
TERMINAL-SCHUYLER_115_7	7	115	141	144	165	326141	17
TIANA___-CANAL___69_966	966	69	115	115	115	26618	7
TIANA___-RIVRHEAD_69_961	961	69	115	115	115	26616	17
TIANA___-RIVRHEAD_69_962	962	69	115	115	115	26617	17
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	71	71	71	26470	13
TILDEN__-DEWITT___115_19	19-TD	115	222	234	239	26092	116
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	2
TNWD206-OAKWD232_115_36	36	115	176	181	209	326368	41
TNWD206-OAKWD232_115_37	37	115	176	181	209	326371	42
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	53
TREMONT__138A_138B_BK 11	BK 11	138	271	329	377	25649	200
TREMONT__138C_138D_BK 12	BK 12	138	271	329	377	25650	200
TREMONT__345_138_BK 11	BK 11	345	299	350	407	25473	200

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
TREMONT__345_138_BK 12	BK 12	138	299	350	407	25474	200
TREMONT_-PARKCHTR_138_38X01	38X01	138	251	363	550	25120	100
TREMONT_-PARKCHTR_138_38X02	38X02	138	251	363	550	25121	100
TREMONT_-PARKCHTR_138_38X03	38X03	138	270	397	550	25122	100
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	99
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	11
UNION_CH-BETHLMRD_115_UB	UB	115	171	188	202	326345	8
UNIONVAL-CROTONFL_115_991	991	115	261	287	311	326417	50
URBAN154-DALEROAD_115_39	39	115	211	217	255	326152	58
URBAN154-NEWWALDN_115_38	38	115	211	217	255	326151	60
VALKIN__FT._ORAN_115_15	15	115	227	248	268	325685	96
VALLEY__-FAIRFIEL_115_12	12	115	141	144	165	325743	49
VALLYSTR_138A_138B_PAR	B_PAR	138	350	368	441	25607	100
VALLYSTR-BARRETT__138_291	291	138	199	282	454	25312	91
VALLYSTR-BARRETT__138_292	292	138	196	281	394	25313	103
VALLYSTR-EGRDNCTY_138_262	262	138	187	274	411	25244	127
VERNON__138A_138B_PAR R1	PAR R1	138	435	508	600	325712	95
VERNON__-GREENWD__138_31231	31231	138	195	249	310	25337	129
VERNON__-KENTAVE__138_31232	31232-1	138	195	249	310	26123	105
VERNON__-W49TH_ST_138_38M72	38M72	138	156	192	238	325122	154
VINGR_TP-VINEGAR__115_917 TAP	917 TAP	115	149	172	215	26455	8
VOLNEY__-CLAY____345_6	6	345	1431	1605	1881	25198	702
VOLNEY__-MARCY____345_19	19	345	1434	1793	2390	25345	656
W.BABYLN-BRGHTWTR_69__766_771	766_771	69	142	154	195	26538	24
W.NYACK__138_69__BK 221	BK 221	138	212	281	319	26334	55
W.NYACK_-CEDAR_OR_69__551	551	69	139	152	158	326217	20
W.NYACK_-SNKEHLRD_138_562	563	138	212	281	317	325906	55
W_ERIAVE-HICKLING_115_935	935	115	120	120	120	325568	12
W_ERIAVE-SULLVNPk_115_711	711	115	299	327	360	325808	55
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	341

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	337
WADNGRIV-NSHORBCH_138_878	878	138	566	601	683	325642	19
WADNGRIV-SHOREHAM_138_891	891	138	524	585	662	25342	19
WALCK_RD-BUFALO78_115_133	133	115	239	317	317	26153	132
WALDEN__-WALDN_A2_115_BK 1	BK 1	115	44	44	51	25429	9
WALDENNG-CALSPAN__115_54-921	54-921	115	227	249	268	26024	37
WALDENNG-GARDNVLB_115_182	182	115	211	217	242	26015	71
WALDENNG-GARDNVLB_115_38	38	115	211	216	242	26039	50
WALDWICK_345_230_BK1	BK1	345	622	763	850	25479	0
WALDWICK_345_230_BK2	BK2	345	630	768	841	25480	0
WALDWICK_345_230_BK3	BK3	345	690	852	952	25481	0
WALDWICK-SMAHWAH__345_J3410	J3410	345	743	1094	1974	25032	42
WALDWICK-SMAHWAH__345_K3411	K3411	345	746	1093	1975	25039	41
WALESVIL-CAVANARD_115_7	7	115	141	144	159	325213	26
WARNSBRG-SCOFDRD_115_10	10	115	119	119	119	326148	34
WARREN__-FALCONER_115_171	171	115	131	131	136	25015	0
WATKINRD-INGHAM_C_115_2	2-WI	115	141	144	159	25805	59
WATRCURE_345_230_BK 1	BK 1	345	494	590	600	25402	65
WATRCURE-OAKDALE__230_71	71	230	318	435	440	25179	40
WATRCURE-OAKDALE__345_31	31	345	1076	1076	1076	25178	31
WATSON__-BAYPORT__69__774_779	774_779	69	96	106	111	26557	5
WATSON__-SAYVILLE_69__780	780	69	96	106	111	26554	6
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	11
WBARTLET-RIDGE_LI_69__870	870	69	132	146	156	326578	21
WEST BUS-SILLSRD__138_873	873	138	571	613	678	325618	35
WESTMLTN-SODEMNRD_115_302	302	115	541	594	648	326824	16
WETHSRFD-S.PERRY__230_85	85	230	506	556	603	325623	129
WETZEL__-CLAY____115_7	7-CL	115	268	293	317	326207	23
WHAVSTOR-LOVETT__138_53	53	138	282	309	321	25884	2
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	9

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WHAVSTRW_345_138_BK 194	BK 194	345	451	546	619	25447	149
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	21
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	29
WHITMAN_-ONEIDA__115_8	8	115	159	159	159	25894	9
WHTESIDE-VALLYSTR_69__262	262	69	96	106	111	26592	13
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	19
WILDWOOD_138_69__BK 4	BK 4	138	258	304	338	26550	85
WILDWOOD-RIVRHEAD_138_890	890	138	375	397	440	25905	118
WILDWOOD-RIVRHEAD_69__955	955	69	164	176	195	26619	25
WILLET__-ENORWICH_115_945	945-1	115	133	149	162	25732	51
WILLIS__230_115_AT1	BK 1	230	167	195	218	25388	33
WILLIS__230_115_AT2	BK 2	230	167	195	218	25390	33
WILLIS__-CHAT_TAP_115_1(911)	1(911)	115	173	191	205	26204	16
WILLIS__-PATNODE__230_WPN-1	WPN-1	230	530	582	612	325565	2
WILLIS__-RYAN____230_WRY-2	WRY-2	230	478	478	591	325566	58
WILLWBRK-FRESHKLS_138_29211	29211-2	138	207	275	450	25319	161
WILLWBRK-FRESHKLS_138_29212	29212-2	138	207	275	450	25320	160
WISNER__-HUNT____69_991	991	69	141	154	160	326284	1
WOLF_RD_-EVERETRD_115_10	10	115	140	140	140	26255	52
WOLFHILL-GREENLWN_69__667	667	69	164	176	195	26558	6
WOOD_ST__345_115_BK 1	BK 1	345	350	400	420	25437	103
WOOD_ST__345_115_BK 2	BK 2	345	358	412	420	25438	97
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	471
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	2409	2679	3406	25358	719
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	685
WOODBURY_PLAINVIE_69_483	483	69	121	156	195	325975	23
WOODLAWN-RUTHROAD_115_12	12	115	222	234	268	26490	18
WOODMERE-VALLYSTR_69__261	261	69	120	136	143	325285	45
WOODSTNY-AMAWALK__115_996	996	115	261	287	311	25574	61
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	70

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WTRVLARS-GERENSLR_115_31	31	115	156	170	181	26423	62
WWDBURNY_115_69__BK 1	BK 1	115	50	50	50	25404	24
WYNTKLNM-REYNOLDS_115_13-988	13-WR	115	227	248	268	26143	63
WYNTKLNM-WYNTKLN_115_BK 2	BK2	115	64	65	72	26489	7
YAHNUNDA-DEBALSO__115_3	3	115	152	159	159	26515	47
YAWGERRD-RIDGE_RD_115_963	963	115	271	279	307	326312	23
YOUNG214-HUNTLEY__115_133	133	115	211	217	242	26042	106
YOUNG214-SWETH224_115_36	36	115	211	217	255	326364	5

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*	CCRT34	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-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

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) – ISONE (Zone N)		
Name	Line ID	Voltage (kV)
*Plattsburgh-Sand Bar	PV20	115
Capital (Zone F) – ISONE (Zone N)		
*Alps-Berkshire	393	345
Eastover-Bear Swamp*	E205W	230
*Hoosick –Bennington	K6	115
*Whitehall-Blissville	K7	115
Hudson Valley (Zone G) – ISONE (Zone N)		
Name	Line ID	Voltage (kV)
*Cricket 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-Homer City NY	47	345
*Homer City-Mainesburg 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-Homer City NY	48	345
*Homer City-Pierce Brook 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

WESTERN EXPORT		
West (Zone A) – Ontario South (Zone O)		
Name	Line ID	Voltage (kV)
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230
West (Zone A) – PJM West		
*Pierce Brook-Five Mile Road	37	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115
West (Zone A) – Genesee (Zone B)		
*Somerset-Rochester (Station 80)	SR1-39	345
Niagara-Rochester (Station 80)*	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

OSWEGO EXPORT	
Oswego Complex Generation Export Limit	
Name	Gen ID
Sithe Unit G1	Sithe-G1
Sithe Unit G2	Sithe-G2
Sithe Unit G3	Sithe-G3
Sithe Unit G4	Sithe-G4
Sithe Unit G5	Sithe-G5
Sithe Unit G6	Sithe-G6
Fitzpatrick Generator	Fitz
Nine Mile Point 1 Generator	9 mile #1
Nine Mile Point 2 Generator	9 mile #2
Oswego 5 Generator	Oswego 5
Oswego 6 Generator	Oswego 6

* indicates the metered end of the circuit

Appendix F – ANNOTATED TARA OUTPUT

This Section Is Available Electronically If Requested

Appendix G – COMPARISON OF TRANSFER LIMITS WINTER 2019-20 VS. 2018-19

Comparison of Winter 2019-20 to Winter 2018-19 Thermal Limits

Interface		WINTER 2019-20		WINTER 2018-19		Delta
		Limit (MW)	Contingency	Limit (MW)	Contingency	
Dysinger East	Normal	2200	1	1975	1	225
	Emergency	3000	2	2700	3	300
UPNY - ConEd	Normal	5625	4	5300	4	325
	Emergency	5950	5	5375	5	575
Sprain Brook Dunwoodie- South	Normal	4075	6	4150	6	-75
	Emergency	4250	7	4350	7	-100
Con Ed - LIPA	Normal	1000	8	975	8	25
	Emergency	1675	9	1650	9	25
Central East	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	2950	10	2950	10	0
	Emergency	3300	11	3325	11	-25
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	2925	10	2950	10	-25
	Emergency	3300	11	3300	11	0
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	2925	10	2925	10	0
	Emergency	3300	11	3275	11	25
Total East ¹	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	5175	12	4975	12	200
	Emergency	5175	5	4975	5	200
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	5150	12	4950	12	200
	Emergency	5150	5	4950	5	200
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	5150	12	4925	12	225
	Emergency	5150	5	4925	5	225
Moses - South	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	1725	19	2275	13	550
	Emergency	2275	20	3100	14	825
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	1275	18	1825	15	550
	Emergency	2325	16	2525	16	-200

¹ Limits in this report do not include Neptune in the Total East Interface.

MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
Normal	725	18	1100	17	-375
Emergency	1625	16	1800	16	-175

NYISO WINTER 2019-20 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Niagara – Packard (61) 230 kV	@STE	956 MW	L/O	Beck – Packard (BP76) 230 kV Niagara – Packard (62) 230 kV
(2)	Niagara 230/115 kV (AT1) Transformer	@STE	288 MW	L/O	Niagara – Robinson Rd. (64) 230 kV
(3)	Niagara 230/115 kV (AT1) Transformer	@NORM	220 MW		Pre-Contingency Loading
(4)	Leeds – Pleasant Valley (92) 345kV	@LTE	1783 MW	L/O	Athens – Pleasant Valley (91) 345kV
(5)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART-44) 345 kV
(6)	Dunwoodie – Mott Haven (71) 345kV	@MTE	1083 MW	L/O	Dunwoodie – Mott Haven (72) 345kV
(7)	Dunwoodie – Mott Haven (71) 345kV	@NORM	741 MW		Pre – Contingency Loading
(8)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE	977 MW	L/O	(SB RNS2 @ Sprain Brook 345 kV) Sprain Brook – East Garden City (Y49) 345 kV Sprain Brook – Academy (M29) 345 kV
(9)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	741 MW		Pre – Contingency Loading
(10)	New Scotland – Leeds (93) 345kV	@LTE	1692 MW	L/O	New Scotland – Leeds (94) 345kV
(11)	New Scotland – Leeds (93) 345kV	@STE	1912 MW	L/O	New Scotland – Leeds (94) 345kV
(12)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@LTE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART-44) 345 kV
(13)	Adirondack – Porter (AP12) 230 kV	@LTE	478 MW	L/O	Chateaugay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(14)	Browns Falls – Taylorville (4) 115 kV	@STE	152 MW	L/O	Browns Falls – Taylorville (3) 115 kV
(15)	Adirondack – Porter (12) 230 kV	@LTE	478 MW	L/O	Moses – Massena (MMS1) 230 kV Moses – Massena (MMS2) 230 kV
(16)	Moses – Massena (MMS1) 230 kV	@STE	1593 MW	L/O	Moses – Massena (MMS2) 230 kV
(17)	Moses – St_Lawrence (L34P) 230 kV	@LTE	490 MW	L/O	Chateaugay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery

(18)	Moses – Adirondack (MA2) 230 kV	@LTE	473 MW	L/O	Moses–Massena (MMS-1) 230 kV Moses–Massena (MMS-2) 230 kV
(19)	Moses – Adirondack (MA2) 230 kV	@LTE	473 MW	L/O	Chateauguay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(20)	Marcy 765/345 kV (AT1) Transformer	@STE	1756 MW	L/O	Marcy 765/345 kV (AT2) Transformer

Appendix H – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS										
Monitored Element				Base Flow	TRANSFER	NIAGAR-ROCH	SOMMERSET-ROCH	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR
NIAG 345	345 ROCH 345	345 1		179.761	36.39%	TRIP	54.65%	20.31%	20.26%	22.32%
SOMERSET345	345 ROCH 345	345 1		291.382	24.82%	45.11%	TRIP	13.85%	13.82%	15.22%
STOLE230	230 SHLDN230	230 1		57.247	11.06%	7.13%	5.89%	TRIP	5.53%	6.09%
PALMT115	115 ANDOVER1	115 1		-7.07	1.57%	1.22%	1.01%	10.66%	1.03%	1.13%
LOCKPORT	115 SHEL-113	115 1		38.17	2.74%	4.34%	3.59%	3.37%	TRIP	15.05%
LOCKPORT	115 NAKR-108	115 1		35.943	0.98%	1.56%	1.29%	1.21%	3.50%	3.79%
LOCKPORT	115 OAKFLDTP	115 1		38.163	1.15%	1.82%	1.50%	1.41%	4.09%	4.42%
LOCKPORT	115 SOUR-111	115 1		34.082	2.77%	4.40%	3.64%	3.42%	13.85%	TRIP
LOCKPORT	115 TELRD107	115 1		55.529	1.33%	2.11%	1.74%	1.64%	6.35%	6.26%
LOCKPORT	115 TELRD114	115 1		44.504	2.72%	4.32%	3.57%	3.36%	18.61%	11.43%
SUB-TOTALS					85.53%	72.01%	76.87%	59.22%	87.03%	85.71%
L33P-L34P				0	0.00%	9.65%	7.97%	7.50%	3.56%	3.92%
PJM-NYISO				1048.01	14.47%	18.33%	15.14%	33.28%	9.40%	10.35%
TOTALS					100.00%	99.98%	99.99%	99.99%	99.99%	99.99%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitored Element				Base Flow	TRANSFER	CLAY-PANNELL	PANNEL-CLAY	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH
CLAY	345	PANNELL3	345 1	-195.58	30.52%	TRIP	57.76%	10.53%	20.55%	19.85%
CLAY	345	PANNELL3	345 2	-196.2	30.62%	57.84%	TRIP	10.57%	20.61%	19.91%
STOLE230	230	SHLDN230	230 1	57.247	11.06%	3.16%	3.17%	TRIP	7.76%	2.57%
FRMGTN-4	115	PANNELLI	115 1	120.975	3.20%	6.18%	6.19%	7.77%	TRIP	16.45%
LAWLER-1	115	MORTIMER	115 1	44.43	2.53%	2.66%	2.66%	1.32%	14.28%	4.56%
MACDN115	115	QUAKER	115 1	30.127	0.33%	0.51%	0.51%	0.38%	3.34%	18.84%
MORTIMER	115	LAWLER-2	115 1	34.769	2.60%	2.88%	2.89%	1.19%	6.01%	5.02%
SLEIG115	115	S121 B#2	115 1	61.762	2.74%	4.01%	4.02%	1.73%	11.05%	TRIP
PALMT115	115	ANDOVER1	115 1	-7.07	1.57%	0.27%	0.27%	10.66%	2.18%	0.45%
S.PER115	115	STA 162	115 1	21.226	0.36%	1.98%	1.98%	15.08%	4.51%	2.06%
SUB-TOTALS					85.53%	79.49%	79.45%	59.22%	90.30%	89.71%
L33P-L34P				0	0.00%	7.13%	7.14%	7.50%	2.03%	3.03%
PJM-NYISO				1048.01	14.47%	13.38%	13.40%	33.28%	7.68%	7.26%
TOTALS					100.00%	99.99%	99.99%	99.99%	100.00%	100.00%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element			Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	HOPATCONG-RAMPO	PORTER-RTRDM
COOPC345	345 DOLSON_AVE	345 2	292.003	16.73%	6.54%	17.67%	6.82%	4.37%	3.86%
EDIC	345 N.SCOT77	345 1	563.096	18.41%	TRIP	19.34%	32.74%	3.03%	14.03%
FRASR345	345 GILB 345	345 1	178.15	17.46%	23.19%	TRIP	23.63%	3.56%	9.49%
N.SCOT99	345 MARCY T1	345 1	619.521	19.56%	34.21%	20.59%	TRIP	3.22%	14.69%
ROCK TAV	345 MDTN TAP	345 1	353.4	14.95%	6.22%	16.58%	6.49%	3.71%	3.66%
SMAHWAH1	345 WALDWICK	345 1	41.685	-0.16%	2.35%	2.11%	2.38%	30.09%	1.38%
SMAHWAH2	345 WALDWICK	345 1	-41.705	0.16%	2.28%	2.16%	2.32%	29.34%	1.34%
PORTER 2	230 ROTRDM.2	230 1	196.844	4.46%	5.53%	3.12%	5.54%	0.70%	TRIP
PORTER 2	230 ROTRDM.2	230 2	197.89	4.48%	5.56%	3.14%	5.57%	0.71%	32.96%
MDTN TAP	345 SHOEMTAP	138 1	182.139	2.49%	0.45%	1.54%	0.48%	0.92%	0.28%
SMAHWAH1	345 SMAH138	138 1	-122.36	0.46%	-0.09%	0.08%	-0.09%	-0.96%	-0.05%
CORPORATE DR	138 HCOR138	138 1	-37.687	0.01%	0.00%	0.01%	0.00%	0.02%	0.00%
RAMP138	138 SMAH138	138 1	-48.687	-0.31%	0.07%	-0.05%	0.07%	0.87%	0.04%
E.SPR115	115 INGHAM-E	115 1	-28.661	1.00%	-0.23%	2.52%	-0.22%	0.19%	0.97%
INGMS-CD	115 INGHAM-E	115 1	119.928	0.00%	3.60%	0.67%	3.60%	0.35%	9.74%
NE_PV20_NY	115 PLAT T#3	115 1	106.358	0.00%	2.95%	1.78%	3.12%	0.74%	3.14%
W.WDB115	115 W.WDBR69	69.0 1	24.127	0.47%	0.45%	1.08%	0.47%	0.04%	0.33%
BLUHILL	69.0 MONTVALE	69.0 1	1.423	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL	69.0 MONTVALE	69.0 2	1.423	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69	69.0 SMAH69	69.0 1	-19.756	-0.32%	-0.03%	-0.14%	-0.03%	0.04%	-0.02%
L491T	69.0 MONTVALE	69.0 1	-22.014	0.06%	0.02%	0.04%	0.02%	0.03%	0.01%
SPARKILL	69.0 CRESSKIL	69.0 1	-9.12	0.03%	0.01%	0.02%	0.01%	0.00%	0.01%
WNYA69	69.0 HCOR69	69.0 1	-4.263	0.09%	0.03%	0.05%	0.03%	0.01%	0.02%
PEARL34	34.5 HCOR34	34.5 1	-1.824	-0.01%	-0.01%	0.00%	-0.10%	0.00%	0.00%
SUB-TOTALS				99.99%	93.08%	92.28%	92.84%	80.95%	95.86%
RAMAPO 5	500 HOPATCONG	500 1	240.065	0.00%	3.92%	3.85%	3.99%	TRIP	2.31%
NEPTCONV	345 NWBRG	345 1	661.099	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COGNTECH	345 G22_VFT345KV	345 1	314.248	0.00%	0.63%	0.81%	0.64%	4.01%	0.38%
B3402 PAR1	345 MARION	345 1	0	o/s	o/s	o/s	o/s	o/s	o/s
C3403 PAR2	345 MARION	345 1	0	o/s	o/s	o/s	o/s	o/s	o/s
GOETHALS	230 LINDEN	230 1	0.013	0.00%	2.36%	3.05%	2.41%	15.03%	1.44%
TOTALS				99.99%	99.99%	99.99%	99.88%	99.99%	99.99%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element				Base Flow	TRANSFER	LADNTW-BUCHS	RAMAPO-BUCHN	PLVLLY-FISHK	PLVLLY-MILLW	ROSETN-FISHK
BUCHANAN S	345	LADENTWN	345 1	628.036	16.36%	TRIP	58.12%	-4.04%	20.11%	28.60%
BUCHANAN N	345	RAMAPO	345 1	213.966	15.13%	44.09%	TRIP	-0.41%	4.61%	16.07%
E FISHKILL	345	PLTVLLEY	345 1	193.459	8.81%	-7.99%	-1.08%	TRIP	23.88%	31.96%
E FISHKILL	345	PLTVLLEY	345 2	193.459	8.81%	-7.99%	-1.08%	65.90%	23.88%	31.96%
MILLWOOD	345	PLTVLLEY	345 1	541.374	16.23%	14.75%	4.45%	8.84%	TRIP	-9.86%
PLTVLLEY	345	WOOD B	345 1	570.302	16.04%	14.27%	4.40%	9.23%	33.83%	-9.54%
ROSETON	345	E FISHKILL	345 1	1253.94	16.00%	28.25%	20.92%	15.95%	-13.28%	TRIP
E FISH I	115	E FISHKILL	345 1	-124.7	1.71%	1.03%	0.93%	2.64%	-0.47%	6.12%
E FISH I	115	E FISHKILL	345 2	0	0.00%	o/s	o/s	o/s	o/s	o/s
FISHKILL	115	SYLVN115	115 1	85.809	0.91%	0.74%	0.44%	-0.04%	0.75%	0.43%
SUB_TOTALS					100.00%	87.15%	87.10%	98.08%	93.30%	95.75%
B3402 PAR1	345	MARION	345 1	0	o/s	o/s	o/s	o/s	o/s	o/s
C3403 PAR2	345	MARION	345 1	0	o/s	o/s	o/s	o/s	o/s	o/s
GOETHALS	230	LINDEN	230 1	0	0.00%	9.04%	8.21%	0.13%	1.40%	3.87%
COGNTECH	345	G22_VFT345KV	345 1	314.248	0.00%	2.41%	2.19%	0.03%	0.37%	1.03%
NRTHPT P	138	NRTHPT1	138 1	100.009	0.00%	1.40%	2.50%	1.76%	4.93%	-0.65%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element				Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-KMAICA	LKSUC-JMAICA
REAC71	345	MOTT HAVEN	345 3	467.888	29.46%	TRIP	5.91%	24.70%	11.65%	12.28%
REAC72	345	MOTT HAVEN	345 4	456.942	28.76%	57.23%	5.76%	24.10%	11.36%	11.98%
SPRAINBROOK	345	TREMONT	345 1	400.771	0.00%	0.38%	TRIP	0.61%	3.77%	3.70%
SPRAINBROOK	345	ACADEMY	345 1	300.847	0.00%	0.32%	20.18%	0.53%	3.24%	3.18%
W 49 ST	345	REACM51	345 1	482.91	20.89%	19.02%	7.32%	TRIP	10.22%	9.65%
W 49 ST	345	REACM52	345 2	482.91	20.89%	19.02%	7.32%	45.61%	10.22%	9.65%
DUN NO1R	138	S CREEK W	138 1	114.782	0.00%	0.26%	11.80%	0.22%	1.91%	1.91%
DUN NO2R	138	S CREEK E	138 1	114.906	0.00%	0.32%	14.17%	0.26%	2.29%	2.29%
DUN SO1R	138	E179 ST W	138 1	179.808	0.00%	0.42%	19.05%	0.37%	3.08%	3.08%
JAMAICA	138	V STRM P	138 1	199.749	0.00%	0.74%	3.70%	0.84%	TRIP	41.23%
JAMAICA	138	L SUCSPH	138 1	99.931	0.00%	0.77%	3.59%	0.78%	40.71%	TRIP
SUB-TOTALS					100.00%	98.48%	98.80%	98.03%	98.45%	98.96%
B3402 PAR1	345	MARION	345 1	0	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345	MARION	345 1	0	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS	230	LINDEN	230 1	0	0.00%	1.20%	0.94%	1.56%	1.23%	0.83%
COGNTECH	345	G22_VFT345KV	345 1	311.41	0.00%	0.32%	0.53%	0.42%	0.33%	0.22%
TOTALS					100.00%	100.00%	100.27%	100.00%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS								
Monitored Element				Base Flow	TRANSFER	MASSEN-MARCY	MOSES-ADRONB2	
MARCY765	765	MASS 765	765 1	716.006	79.52%	TRIP	70.38%	
ADRON B1	230	MOSES W	230 1	0	0.00%	O/S	O/S	
ADRON B2	230	MOSES W	230 1	105.173	13.14%	29.16%	TRIP	
ALCOA-NM	115	BRADY	115 1	20.428	1.20%	2.63%	1.19%	
ALLENS F	115	COLTON	115 1	5.154	1.65%	2.12%	0.98%	
ANDRWS-4	115	DENNISON	115 1	18.042	2.25%	4.94%	2.23%	
DENNISON	115	LWRNCE-B	115 1	16.401	2.25%	4.95%	2.23%	
SUB_TOTALS					100.00%	43.80%	77.00%	
MOSES E	230	ST_LAWR_L33P	230 1	0	0.00%	O/S	O/S	
MOSES E	230	ST_LAWR_L34P	230 1	0.176	0.00%	40.31%	16.12%	
MOSES W	230	WILLIS E	230 1	-5.12	0.77%	8.01%	3.44%	
MOSES W	230	WILLIS W	230 1	-5.08	0.76%	7.96%	3.43%	
TOTALS					101.53%	100.08%	99.99%	

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS									
Monitored Element				Base Flow	TRANSFER	ALPS34-MANY	CV.345-LNGMT	Eastover-Bearswamp	
NE_393_NY	345	ALPS345	345 1	15.419	31.93%	TRIP	37.39%	38.02%	
NE_398_NY	345	CKTVLLEY	345 1	-72.092	56.16%	48.53%	TRIP	24.33%	
NE_E205W_NY	230	EASTOVER RD	230 1	-10.194	8.17%	16.74%	8.25%	TRIP	
NE_K7_NY	115	WHITEHAL	115 1	-0.004	0.00%	8.58%	4.30%	8.89%	
NE_K6_NY	115	HOOSICK	115 1	-8.626	2.72%	7.87%	2.83%	19.32%	
NE_PV20_NY	115	PLAT T#3	115 1	-106.36	0.00%	7.32%	5.11%	3.68%	
NE_690_NY	69.0	SMITHFLD	69.0 1	-1.32	1.02%	1.04%	2.85%	0.59%	
NE_601_NY	138	NRTHPT P	138 1	33.513	0.00%	3.31%	13.14%	1.73%	
NE_602_NY	138	NRTHPT P	138 2	33.409	0.00%	3.30%	13.10%	1.72%	
NE_603_NY	138	NRTHPT P	138 3	33.186	0.00%	3.28%	13.01%	1.71%	
SHM DC	138	SHOREHAM2	138 1	329.503	0.00%	0.00%	0.00%	0.00%	
TOTALS					100.00%	99.97%	99.97%	99.99%	

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	BECKA-NIA301	BECKB-NIA302	PA27-NIAGAR	BP76-PACKD2
NIAG 345	345	BECK_#2_H301	345 1	-12.655	33.57%	TRIP	56.58%	34.08%	31.91%
NIAG 345	345	BECK_#2_H302	345 1	-12.657	33.57%	56.58%	TRIP	34.08%	31.91%
NIAGAR2W	230	BECK_#2_PA27	230 1	-22.343	17.19%	20.73%	20.73%	TRIP	29.98%
PACKARD2	230	BECK_#2_BP76	230 1	47.409	15.67%	16.94%	16.94%	26.16%	TRIP
MOSES E	230	ST_LAWR_L33P	230 1	0	0.00%	O/S	O/S	O/S	O/S
MOSES E	230	ST_LAWR_L34P	230 1	-0.174	0.00%	2.17%	2.17%	1.86%	1.95%
SUB-TOTALS					100.00%	96.42%	96.42%	96.19%	95.74%
1 ON-MICH				-0.63	0.00%	3.36%	3.36%	3.57%	4.00%
TOTALS					100.00%	99.78%	99.78%	99.77%	99.74%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFER	HOPATCONG-RAMPO	WALDWK-SMAWA	PIERCE-5MILE	MAIN-WATER	E. TOWD-HILLS	ERIE-SRIPLEY
RAMAPO 5 500 HOPATCONG 500 1	240.065	0.00%	TRIP	4.55%	8.90%	11.28%	10.28%	7.61%
COGNTECH 345 G22_VFT345KV 345 1	314.248	0.00%	4.01%	0.58%	1.12%	1.41%	1.07%	0.97%
B3402 PAR1 345 MARION 345 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2 345 MARION 345 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS 230 LINDEN 230 1	0	0.00%	15.03%	2.18%	4.21%	5.34%	4.03%	3.65%
NEPTCONV 345 NWBRG 345 1	661.099	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SMAHWAH1 345 WALDWICK 345 1	41.685	-0.07%	30.09%	90.74%	5.75%	7.41%	5.67%	4.98%
SMAHWAH2 345 WALDWICK 345 1	-41.705	0.07%	29.34%	TRIP	5.39%	6.94%	5.30%	4.67%
5MILE345 345 26PIERCEBRK 345 1	-19.666	24.58%	2.71%	0.26%	TRIP	15.13%	6.01%	32.65%
NY_HOMER_STO 345 26HOMER CY 345 Z1	136.789	15.71%	1.77%	0.17%	-55.17%	10.34%	1.28%	11.50%
NY_PIERCEBRK 345 26PIERCEBRK 345 Z1	-135.97	-15.71%	-1.77%	-0.17%	55.17%	-10.34%	-1.28%	-11.50%
WATRC345 345 26MAINESBURG 345 1	35.1	28.18%	4.05%	0.39%	17.84%	TRIP	23.12%	7.99%
NY_HOMER_WAT 345 26HOMER CY 345 Z1	74.249	23.68%	3.22%	0.32%	12.84%	-66.67%	10.68%	7.28%
NY_MAINESBUR 345 26MAINESBURG 345 Z1	-73.866	-23.68%	-3.22%	-0.32%	-12.84%	66.67%	-10.68%	-7.28%
HILSD230 230 26E.TWANDA 230 1	88.133	21.95%	4.13%	0.33%	7.92%	25.86%	TRIP	5.96%
S RIPLEY 230 26ERIE E 230 1	-124.43	10.80%	1.09%	0.10%	15.32%	3.18%	2.12%	TRIP
SMAHWAH1 345 SMAH138 138 1	-122.36	0.20%	-0.96%	-3.94%	-0.49%	-0.65%	-0.51%	-0.42%
FALCONER 115 26WARREN 115 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
N.WAV115 115 26E.SAYRE 115 1	23.12	7.54%	1.38%	0.11%	2.84%	7.47%	25.24%	1.88%
WESTOVER115 115 26LAUREL L 115 1	-48.431	6.96%	1.35%	0.11%	1.22%	3.50%	9.12%	0.94%
CORPORATE DR 138 HCOR138 138 1	-37.687	-0.01%	0.02%	0.05%	0.00%	0.00%	0.00%	0.00%
RAMP138 138 SMAH138 138 1	-48.687	-0.14%	0.87%	3.21%	0.35%	0.46%	0.36%	0.30%
BLUHILL 69.0 MONTVALE 69.0 1	1.423	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL 69.0 MONTVALE 69.0 2	1.423	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69 69.0 SMAH69 69.0 1	-19.756	-0.14%	0.04%	0.44%	0.13%	0.17%	0.14%	0.11%
L491T 69.0 MONTVALE 69.0 1	-22.014	0.03%	0.03%	0.12%	0.00%	0.00%	0.00%	0.00%
SPARKILL 69.0 CRESSKIL 69.0 1	-9.12	0.01%	0.00%	0.03%	0.00%	0.00%	0.00%	0.00%
WNYA69 69.0 HCOR69 69.0 1	-4.263	0.04%	0.01%	0.09%	0.00%	0.00%	0.00%	0.00%
PEARL34 34.5 HCOR34 34.5 1	-1.824	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS		99.99%	93.18%	99.35%	70.47%	87.50%	91.93%	71.26%
1 MICH-ON	0.63	0.00%	6.35%	0.61%	27.64%	11.68%	7.52%	26.98%
TOTALS		99.99%	99.53%	99.96%	98.11%	99.18%	99.45%	98.24%