

## 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	90	0	-533	-330	-660	-315	-320	-100	120	-2006
PJM	-37		0	0	0	0	0	660	315	320	0	-3272	-2014
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-90	0	0		0	-225	330	0	0	0	100	0	115
NB/NS	0	0	0	0		-300	0	0	0	0	0	0	-300
Trans Énergie	533	0	1250	225	300		0	0	0	0	0	45	2353

<b>APPENDIX A</b>	
<b>SUMMARY OF WINTER 2018-19 BASE TRANSFERS</b>	
<b>NEW BRUNSWICK/NOVA SCOTIA</b>	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-300
New Brunswick to New England	0
<b>Total Export (+) / Import (-)</b>	<b>-300</b>

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

<b>NEW YORK ISO</b>	
New York to TransÉnergie	-533
New York to New England	90
New York to New England: Norwalk Harbor-Northport	-100
New York to New England: Cross-Sound	-330
New York to PJM: NYPA to PA-RECS	75
New York to PJM: Sithe Allegheny	-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
<b>Total Export (+) / Import (-)</b>	<b>-2006</b>

<b>APPENDIX A</b>	
<b>SUMMARY OF WINTER 2018-19 BASE TRANSFERS</b>	
<b>IESO (Ontario)</b>	
IESO to TransÉnergie	-1250
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
<b>Total Export (+) / Import (-)</b>	<b>-1250</b>

<b>PJM</b>	
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	-3272
<b>Total Export (+) / Import (-)</b>	<b>-2014</b>

<b>TRANSÉNERGIE</b>	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	300
TransÉnergie to New England: Sandy Pond HVdc	0
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	533
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
<b>Total Export (+) / Import (-)</b>	<b>2353</b>

## Appendix B – WINTER 2018-19 BASE CASE CONDITIONS

### Winter 2018-19 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	24,269 MW
ISO-NE	24,284 MW
IESO (Ontario)	23,136 MW
PJM	47,876 MW

#### **PHASE ANGLE REGULATOR SCHEDULES**

Inghams (CD-ED)	120 MW
Sandbar PAR (PV-20)	100 MW
St. Lawrence-Moses L33P	0 MW
St. Lawrence-Moses L34P	0 MW
Norwalk Harbor-Northport	100 MW
Jamaica-Valley Stream	-100 MW
Jamaica-Lake Success	-200 MW
Hudson-Farragut (B3402)	150 MW
Marion-Farragut (C3403)	150 MW
Linden-Goethals	100 MW
Waldwick-Hinchmans	133 MW
Waldwick-Fairlawn	133 MW
Waldwick-Hillsdale	133 MW
Ramapo PAR #1 (+ to NY)	106.1 MW
Ramapo PAR #2 (+ to NY)	106.1 MW

East Garden City #1

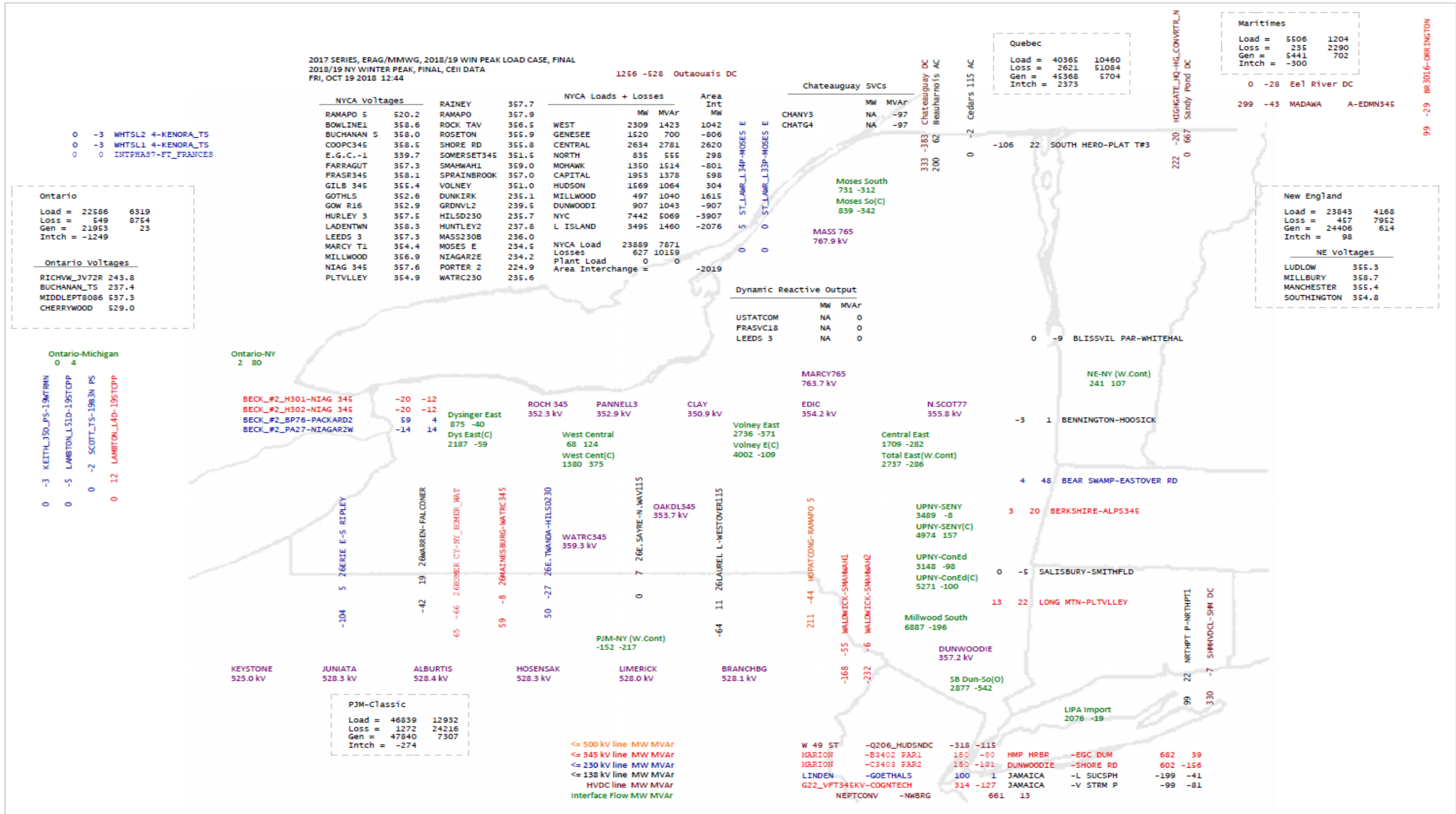
340 MW

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	51
ACADEMY__345_138_TR1	TR1	345	303	368	446	325753	150
ACADEMY__345_138_TR8	TR8	345	303	368	446	325752	150
ADIRNDCK_230_115_BK 1	BK1	115	132	166	172	26697	79
ADIRNDCK-CHASLAKE_230_13	13	230	478	478	634	325233	162
ADIRNDCK-PORTER__230_12	12-AP	230	478	478	634	25082	180
ALBANY__-GREENBSH_115_1	1	115	227	248	268	25860	151
ALBANY__-GREENBSH_115_2	2	115	227	248	268	25868	151
ALBANY__-TRINITY__115_5	5	115	214	247	247	25861	111
ALBANY__-TRINITY__115_9	9	115	159	178	258	25872	118
ALCOA__-BRADY__115_13	13	115	156	170	181	25230	22
ALCOA__-DENNISON_115_12	12-AD	115	213	234	251	25227	58
ALCOA_PA-ALCOA__115_R8105	R8105	115	263	294	348	25202	1
ALCOA_PA-GRASRIVR_115_MAL4	MAL4	115	256	282	327	326295	83
ALCOA_PA-GRASRIVR_115_MAL5	MAL5	115	279	294	327	326296	83
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	88	88	98	26481	11
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	107	107	107	26480	17
ANDOVER_-PALMITER_115_157-932	157_932	115	97	117	119	25094	13
ARCADE__-MACHIAS__115_167	151	115	156	171	182	326168	5
ASH____-TEMPLE__115_9	9	115	207	233	233	26062	4
ASHLEYRD-MASONCR__115_909	909	115	189	207	221	25847	21
ASHLEYRD-PLATSBRG_115_700	700	115	223	237	259	25845	43
ASTANNEX_138A_138B_PAR1	PAR1	138	415	477	544	325848	75

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ASTANNEX_345_138_TR1	TR1	345	320	390	468	325847	75
ASTANNEX-ASTORIAE_138_34091	34091	138	288	318	346	325849	75
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	415	639	1595	25134	125
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	415	639	1595	25142	154
ASTORIAE-ASTORIA3_138_34123	34123	138	299	335	400	25876	116
ASTORIAE-CORONA__138_34181	34181	138	195	249	378	25277	128
ASTORIAE-CORONA__138_34182	34182	138	195	249	378	25278	124
ASTORIAE-CORONA__138_34183	34183	138	195	249	378	25279	128
ASTORIAE-CORONA__138_34184	34184	138	195	249	378	25280	120
ASTORIAE-CORONA__138_34185	34185	138	195	249	378	25281	114
ASTORIAE-CORONA__138_34186	34186	138	195	249	378	25282	116
ASTORIAW-QUENBRDG_138_28241	28241	138	195	249	378	25315	52
ASTORIAW-QUENBRDG_138_28242	28242	138	195	249	378	25316	53
ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	97
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	111
ATHENS__PLSNTVLY_345_91	91	345	1624	1783	1946	25054	946
AYERREND-TNWDA206_115_36	36	115	211	211	212	326367	48
AYERREND-TNWDA206_115_37	37	115	206	206	206	326370	50
BAGATLRD-PILGRIM__138_564	564	138	566	611	673	325607	35
BAKER_ST-FALCONER_115_160	160-3	115	222	234	239	26513	12
BALLSTON-TAPBLSTN_115_1	1	115	268	293	317	325896	94
BALLSTON-TAPBLSTN_115_302	302	115	268	293	317	325897	4
BARBEACH-GLENWOOD_69_472	472	69	164	176	195	325219	48
BARRETT__138A_138B_PAR	B_PAR	138	266	271	325	25590	105
BARRETT_-BLDWN_LI_69_359	359	69	119	159	195	26596	65
BARRETT_-FREEPORT_138_459	459	138	192	271	325	26425	105



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	5
BATAVIA_-SEBATVIA_115_117	117	115	239	239	239	26017	19
BATH____-MONTRFL_115_965	965	115	146	149	149	26163	30
BATH____-SPENCHIL_115_723	723	115	146	160	178	325797	5
BATNKILL-EASTOVER_115_10	10	115	227	248	268	26474	47
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	5
BECK____-NIAGARA_230_PA27	PA27	230	480	540	685	25025	14
BECK____-NIAGARA_345_PA301	PA301	345	1180	1469	1860	25040	21
BECK____-NIAGARA_345_PA302	PA302	345	1180	1469	1860	25041	21
BECK____-PACKARD_230_BP76	BP76	230	582	687	687	25024	59
BELLMORE-MASSAPEQ_69_566	566	69	132	146	156	26522	32
BELLMORE-NEWBRDGE_69_564	564	69	113	128	154	26590	55
BENETTRD-E_DUNKRK_115_161	161-3	115	213	225	242	326231	30
BENETTRD-E_DUNKRK_115_162	161-3	115	213	225	242	326233	29
BENNETT_-MORAINE_115_725	725	115	149	172	179	325858	42
BERKSHIR-ALPS____345_393	393	345	1792	1883	1912	25034	52
BERKSHIR-NORTHFLD_345_312	312	345	1345	1345	1793	25366	77
BERRY_LI-W.BABYLN_69_655	655	69	96	106	111	326359	35
BERRY_RD-BAKER_ST_115_160	160-2	115	245	257	282	26512	13
BETHLHEM-ALBANY__115_18	18-BA	115	388	427	474	26119	105
BETHLMRD-ROCKTVRN_115_RD	RD	115	152	167	176	326346	52
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	16
BIGTREE_-LANGNERD_115_903	903	115	206	227	239	326050	79
BLACKRVR-CLIMAX__115_1	1-BC	115	141	144	159	26067	45
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	27
BLACKRVR-FORTDRUM_115_2	2-BF	115	141	144	159	26068	26

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BLACKRVR-GLENPARK_115_3	3	115	119	119	119	325315	25
BLDWN_LI-BELLMORE_69_459	459	69	119	159	195	326378	10
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	24
BLUESTOR-LAFARGE__115_8	8	115	141	144	159	326091	25
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	168	187	216	25505	40
BLUESTOR-PLSTVYCH_115_8	8	115	141	144	159	25498	23
BNNINGTN-HOOSICK__115_K6	K6	115	229	274	292	25029	12
BNVLMUNI-PORTER__115_2	2	115	128	128	128	325778	19
BOONVLE-BNVLMUNI_115_2	2	115	124	124	124	26073	0
BOONVLE-PORTER__115_1	1-BP	115	127	127	127	26074	16
BOONVLE-ROME____115_3	3	115	141	144	144	26071	41
BOONVLE-ROME____115_4	4	115	128	135	145	26072	48
BORDRCTY-GUARDIAN_115_969	969	115	179	179	179	325283	78
BOWLINE__345_138_BK455	BK455	345	506	587	671	25664	214
BOWLINE_-WHAVSTRW_345_67-1	67-1	345	777	837	837	25567	563
BOWLINOR-CONGERS__138_561	561	138	378	414	431	26723	175
BRADY__-NOGDNRG_115_13	13	115	245	260	282	326348	17
BRENTWOD-BRGHTWTR_69__763_764	763_764	69	132	146	156	26532	37
BRENTWOD-BRGHTWTR_69__769	769	69	132	146	156	26533	62
BRENTWOD-PILGRIM__69__660	660	69	104	113	120	26535	50
BRENTWOD-PILGRIM__69__765	765	69	274	285	285	26536	63
BRENTWOD-PILGRIM__69__768	768	69	104	113	120	26534	50
BRGHTWTR-WATSON__69__772_773	772	69	88	100	106	26537	24
BRIGHAM_-LUDLUM__115_161	161-2	115	213	225	242	26020	45
BRISTLHL-CLAY____115_4	4	115	128	135	135	25518	28
BRISTLHL-S.OSWEGO_115_4	4	115	128	134	152	25512	44

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BROOK_RD-SMITHBRD_115_2	2	115	282	288	318	325901	29
BROOK_RD-SMITHBRD_115_302	302	115	268	292	317	325902	19
BROOK_RD-TAPBROOK_115_2	2	115	282	288	318	325899	63
BROOK_RD-TAPBROOK_115_302	302	115	268	292	317	325900	36
BROOKHVN_138_69__BK 1	BK 1	138	258	318	383	26548	96
BROOKHVN_138_69__BK 2	BK 2	138	258	318	424	325152	88
BROOKHVN-EDWARDAV_138_864	864	138	275	382	420	25553	153
BROOKHVN-SILLSRD__138_874	874	138	529	591	669	325617	135
BROOKHVN-SILLSRD__138_887	887	138	461	494	547	325619	135
BROOKHVN-WILDWOOD_138_861	861	138	521	582	659	325932	66
BROOKVLE-JERICOH__69__473	473	69	88	100	106	326400	2
BROWNFLS-HIGLEY__115_1	1-BH	115	130	144	159	26078	43
BROWNFLS-TAYLORVL_115_3	3-BT	115	130	144	154	26076	50
BROWNFLS-TAYLORVL_115_4	4-BT	115	128	135	152	26077	50
BUCHAN_N_345_138_BK TA5	BK TA5	345	230	306	381	25425	104
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	103
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	1209
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	925
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	925
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	43
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	43
BUFAL129-MAPLE140_115_38	38	115	176	181	209	326159	83
BUFAL129-MAPLE140_115_39	39	115	176	181	209	326160	81
BUFALO54-BUFALO61_115_38	38	115	227	249	268	326155	59
BUFALO54-BUFALO61_115_39	39	115	211	217	255	326156	57
BUFALO61-URBAN154_115_38	38	115	211	217	255	326153	54

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
BUFALO61-URBAN154_115_39	39	115	211	217	255	326154	52
BUFALO78-HUNTLEY__115_130	130	115	211	217	239	26043	98
BUFALO78-YOUNG214_115_133	133	115	211	217	242	326290	122
BULYMO__-BOONVLE_115_6	6	115	140	144	165	325265	44
BURDECK_-ALTAMONT_115_17	17-BA	115	141	144	165	26151	64
BURDECK_-VORHVSLE_115_19	19-BV	115	141	144	165	26152	66
BURGOYNE-WHITEHAL_115_6	6	115	132	132	132	326308	8
BURNS___138_69__BK 519	BK 519	138	208	258	284	25889	75
BURNS___-CORPDRIV_138_702	702	138	226	248	258	325812	101
BURNS___-N.HEMPST_138_531	531	138	282	309	321	25878	17
BURNS___-NANUET__69_49	49	69	144	157	163	26252	70
BURNS___-WHAVSTOR_138_541	541	138	282	309	321	25879	81
BUTLER__-MOHICAN__115_18	18	115	141	144	165	26434	15
C._ISLIP_138_69__BK 3	BK 3	138	259	304	319	26519	112
C._ISLIP-PINES___69_759	759	69	164	176	195	26531	9
C._ISLIP-RONKOKMA_138_883	883	138	435	584	662	26497	100
C_BATNKILL-MULTP-10_115_10	10	115	222	234	0	26121	47
CANAL___-DEERFILED_69_972	972	69	115	115	115	325239	44
CANAL___-RIVRHEAD_138_910	910	138	241	281	311	325242	146
CANANDGA-STONYRDG_230_68	68	230	600	625	653	25176	52
CARD___-MILSTONE_345_383	383	345	1864	2187	2390	25332	273
CARMEL__-UNIONVAL_115_991	991	115	261	287	311	26155	68
CARMEL__-WOODSTNY_115_992	992	115	261	287	303	325278	101
CARR_ST_-BM_CC_GM_115_6	6	115	227	249	268	325216	69
CARR_ST_-DEWITT___115_15	15-CD	115	227	249	268	26093	8
CARRSCRN-SALAMANC_115_153	153	115	156	170	181	326163	20

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
CARRSCRN-SALAMANC_115_154	154	115	156	170	181	326165	23
CASTLEGD-FULLRHLW_115_937	937	115	299	335	358	325222	9
CATON___-HILLSIDE_115_960	960	115	119	120	120	325290	34
CAVANARD-PORTER___115_7	7	115	141	144	159	325214	54
CEDAR___-BURGOYNE_115_6	6	115	141	144	165	26516	25
CEDARS___-ROSEMNTA_115_1/11	43405	115	156	170	181	26083	0
CEDARS___-ROSEMNTB_115_2/22	43153	115	156	170	181	26082	0
CEDRHRST-HEWLETT___69___263	263	69	143	157	168	326318	2
CHADWICK-E.WALDEN_115_DW	DW-3	115	225	251	282	26218	27
CHADWICK-WBALMVLE_115_DW	DW-2	115	219	232	255	26217	5
CHASLAKE-PORTER___230_11	11	230	511	564	586	25051	188
CHAT_TAP-LYON_MTN_115_1(911)	911	115	173	191	205	325704	6
CHATEAUG-CHAT_TAP_115_911	911	115	44	45	49	325705	9
CHATGUAY-MASSENA___765_7040	7040	765	5300	6254	6625	25301	533
CHEMUNG_-NWAVERLY_115_962	962	115	187	210	230	325289	41
CHESTROR-SUGRLOAF_138_271	271	138	282	309	321	325424	34
CHRCHTWN-BLUESTOR_115_13-987	13-987	115	179	179	179	26685	52
CHRCHTWN-CRARYVIL_115_984	984	115	138	167	179	26500	23
CHRCHTWN-SCHODACK_115_14-984	14/984	115	206	226	251	26126	75
CHURCH_S-ROTTDAM_115_10	10-AR	115	141	144	155	26428	23
CLAY___345_115_BK 1	BK 1	345	560	718	796	25387	254
CLAY___345_115_BK 2	BK 2	345	590	764	796	25421	254
CLAY___-DEWITT___115_3	3-CD	115	141	144	165	25519	67
CLAY___-DEWITT___345_13	13	345	1431	1605	1721	25168	537
CLAY___-DUGUID___115_5	5	115	267	293	317	25522	53
CLAY___-EDIC___345_1-16	43116	345	1591	1745	1904	25200	296

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
CLAY___-EDIC___345_2-15	43146	345	1591	1745	1904	25169	297
CLAY___-HOPKINS__115_11	11	115	268	292	317	25516	121
CLAY___-INDPDNCE_345_26	26	345	1918	2115	2390	25858	909
CLAY___-TEALLAVE_115_10	10-CT	115	141	144	165	25520	78
CLAY___-WETZEL__115_14	14-CG	115	268	293	317	25517	87
CLAY___-WOODARD__115_17	17	115	268	293	317	25515	112
CLIMAX__TAYLORVL_115_8	8-CT	115	128	135	152	26431	10
CLINTON_-IMC_TAP__115_15	15-CI	115	141	144	165	26128	14
CLRKSCRN_345_115_BK1	BK1	345	280	313	336	325724	41
CLRKSCRN_345_115_BK2	BK2	345	280	313	336	325725	41
CLRKSCRN-OAKDALE__345_36	36	345	1279	1410	1781	325726	684
CLYDE___115_34_TR1	TR1	115	152	166	175	25221	21
CLYDE___-STATE_ST_115_3-971	971	115	145	159	159	68810	34
COBBLENM-COBBLENY_115_BK 1	BK 1	115	45	47	53	25426	17
COBBLENM-SPRINGVL_115_151	151	115	156	171	182	326166	22
COBBLENM-SPRINGVL_115_152	152	115	156	171	182	326170	13
CODNIGTN-E.ITHACA_115_981	981-1	115	133	149	162	25730	42
CODNIGTN-ETNA___115_998	998	115	266	293	299	25734	81
COFFEEN_-EWATRTWN_115_5	5	115	119	119	119	325769	21
COFFEEN_-GLENPARK_115_3	3-CG	115	119	119	119	26069	51
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	22
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	13
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	4
COLTON__-FLATROCK_115_2	2-CF	115	139	146	159	26088	44
COLTON__-HIGLEY__115_1	1-HC	115	156	159	159	26087	45
COLTON__-LITTLRIV_115_7	7	115	81	81	81	26086	0

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
COLTON_-TOWNLINE_115_9	9	115	119	119	119	325641	4
COMMACK_-ELWOOD___69_669	669	69	96	106	111	325266	33
COMSTKNM-BURGOYNE_115_13	13-MW	115	141	144	159	26484	25
CONGERS_-SNKEHLRD_138_563	563	138	378	414	431	25887	136
COOPERNY-FERNDAL_115_950	950	115	179	179	179	26171	54
COOPERNY-ROCKHILL_115_957	957	115	168	185	200	325614	36
COOPERS___345_115_BK 2	BK 2	345	256	295	300	25433	69
COOPERS___345_115_BK 3	BK 3	345	256	295	300	25434	69
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	439
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1786	1793	1793	25110	701
CORNING_-MCADOO___115_4	4	115	156	171	182	326380	6
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
CORONA AV-VALLYSTR_69_265	265	69	132	146	156	26594	63
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	79
CORTLAND-FENERWND_115_3	3	115	152	166	175	325248	4
CORTLAND-TULLERHL_115_1-716	1	115	156	170	181	25059	12
CORTLAND-TULLYCTR_115_18	18	115	224	239	239	26089	38
CRESSKL_-SPARKL___69_751	751	69	141	154	160	26504	8
CURRY_RD-LINE8TAP_115_8	8	115	141	144	165	26254	10
CURTPALM-EJWEST___115_9	9	115	156	170	181	326146	6
DALEROAD-GARDNVLB_115_39	39	115	168	212	239	26036	46
DANSKAMR-CHADWICK_115_DW	DW-1	115	255	282	315	26219	32
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	51

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
DANSKAMR-NCHELSEA_115_AC	AC	115	216	231	334	25829	171
DANSKAMR-NCHELSEA_115_DC	DC	115	200	217	334	25830	177
DANSKAMR-RYND5_HL_115_DR	DR	115	237	282	315	25831	51
DASHVILLE-BOULEVRD_69__O	O	69	54	56	63	26212	4
DAVIS_RD-STOLLERD_115_927	927	115	238	239	239	26172	11
DEERFLD_-SCOBIE__345_373	373	345	1677	1677	1677	26383	716
DEKALB_-BATTHILL_115_4	4	115	93	101	106	326398	11
DELEMTER-LAKEVIEU_115_141	141	115	107	117	123	325873	18
DELEMTER-LAKEVIEU_115_142	142	115	107	117	123	325880	31
DELHI___-DELHI_TP_115_951	951	115	164	164	164	26174	80
DELHI___-GR.GORGE_115_916	916	115	90	90	90	26479	11
DELHI___-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	18
DELHI_TP-COLLIERS_115_951	951-2	115	239	239	239	26203	46
DENNISON-LAWRNCVAV_115_5	5	115	268	293	317	25226	29
DENNISON-NORFOLK__115_4	4	115	268	293	317	25225	30
DEPEW_NG-ERIE_ST__115_54-921	54-921	115	145	160	178	26010	48
DEPEW_TP-DEPEW___115_BK 1	BK 1	115	120	120	120	25428	14
DEWITT__345_115_BK 2	BK 2	345	619	758	796	25418	243
DEWITT__-TEALLAVE_115_4	4-DT	115	141	144	165	26094	52
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1793	2115	2390	326310	1056
DULEY___-PATNODE__230_PND-1	PND-1	230	506	564	589	325856	19
DULEY___-PLATSBRG_230_DP-1	DP-1	230	284	320	356	25272	10
DUNKIRK__230_115_BK 31	BK 31	230	173	234	250	25386	72
DUNKIRK__230_115_BK 41	BK 41	230	166	226	250	25430	72
DUNKIRK_-BERRY_RD_115_160	160-1	115	239	239	239	26025	42
DUNKIRK_-BRIGHAM__115_161	161-1	115	211	217	239	26021	49



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
DUNKIRK_-BRIGHAM__115_162	162-1	115	211	217	239	26027	41
DUNKIRK_-SILVRCK_115_141	141	115	107	117	123	26026	16
DUNKIRK_-SILVRCK_115_142	142	115	107	117	123	26018	17
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	308
DUNWODIE-DUNWOODS_345_W73	W73	345	386	454	511	326211	262
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	180
DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	529
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	525
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	741	977	1667	25091	584
DUNWOODN_345_138_BK N1	BK N1	345	490	575	667	25209	308
DUNWOODS_345_138_BK S1	BK S1	345	386	454	511	25208	262
DUNWOODS-DUNWOODN_138_99997	99997	138	245	293	342	25532	3
E.ITHACA-ETNA__115_981	981	115	133	149	162	25733	83
E.SAYRE_-NWAVERLY_115_956	956	115	128	128	147	25013	30
E.TWANDA-HILLSIDE_230_70	70	230	512	564	670	25014	82
E.WALDEN_115_69__TR_3	TR_3	115	67	81	91	26681	21
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	9
E.WALDEN-MODENA__115_EM	EM	115	285	310	349	25832	18
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	35
E_DUNKRK-LAONA__115_161	161	115	107	117	123	326232	14
E_DUNKRK-LAONA__115_162	162	115	107	117	123	326234	18

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
E13THSTA_345_138_BK 10	BK 10	138	284	297	315	25467	126
E13THSTA_345_138_BK 11	BK 11	138	284	297	315	25468	111
E13THSTA_345_138_BK 12	BK 12	138	322	363	410	25463	118
E13THSTA_345_138_BK 13	BK 13	138	307	373	447	25464	107
E13THSTA_345_138_BK 14	BK 14	138	295	326	369	25465	129
E13THSTA_345_138_BK 15	BK 15	138	284	297	315	25466	125
E13THSTA_345_138_BK 16	BK 16	138	318	372	495	25469	118
E13THSTA_345_69__BK 17	BK 17	69	271	336	452	25459	17
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
E13THSTA_69E_69A__BK 114	BK 114	69	93	124	154	25633	10
E13THSTA-EASTRIVR_138_37041	37041	138	178	257	443	326190	10
E13THSTA-EASTRIVR_138_37042	37042	138	178	257	443	326191	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	120
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	101
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	84
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	24
E179THST-HELLGT_E_138_15053	15053	138	187	244	374	25289	16
E179THST-HELLGT_E_138_15054	15054	138	187	244	374	25290	16
E179THST-HELLTP_W_138_15055	15055	138	242	321	400	25288	210
E179THST-PARKCHTR_138_38X01	38X01	138	191	305	512	25327	15
E179THST-PARKCHTR_138_38X02	38X02	138	191	305	512	25328	15
E179THST-PARKCHTR_138_38X03	38X03	138	191	305	512	25329	13
E179THST-PARKCHTR_138_38X04	38X04	138	191	305	512	25330	13

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
EASTOVER_230_115_BK1	TR 1	230	466	579	666	326097	45
EASTPORT-RIVRHEAD_69_951	951	69	164	176	195	26589	32
EASTPORT-TIANA___69_952_953_95	52/3_95	69	115	115	115	26611	30
EASTRIVR_138_69__BK 111	BK 111	138	91	121	142	25526	10
EASTRIVR_138_69__BK 112	BK 112	138	91	121	142	25527	10
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
EASTRIVR_69B__69A__BK 111	BK 111	69	93	124	154	25630	10
EASTVIEW_345_138_BK 1N	BK 1N	138	438	493	493	25472	176
EASTVIEW_345_138_BK 1S	BK 1S	138	438	493	493	25373	188
EASTVIEW_345_138_BK 2N	BK 2N	138	438	493	493	25471	192
EASTVIEW_345_138_BK 2S	BK 2S	138	438	493	493	25470	175
EASTVIEW-SPRNBRK__345_W64	W64	345	2430	2823	3357	25143	1011
EASTVIEW-SPRNBRK__345_W65	W65	345	1976	2387	2897	25144	867
EASTVIEW-SPRNBRK__345_W78	W78	345	2430	2823	3357	25346	815
EASTVIEW-SPRNBRK__345_W79	W79	345	1976	2387	2897	25153	804
EBATAVIA-NO.LEROY_115_119	119	115	169	185	196	26012	23
EDIC___-FRASER__345_EF24-40	EF24-40	345	1793	1793	1793	25112	732
EDIC___-N.SCTLND_345_14	14	345	1624	1783	1912	25170	545
EDIC_PTR_230_115_BK 1P	BK 1P	230	320	365	398	25389	50
EDIC_PTR_230_115_BK 2P	BK 2P	230	320	365	398	25423	50
EDIC_PTR_345_115_BK 3E	BK 3E	345	524	602	760	25424	160
EDIC_PTR_345_115_BK 4E	BK 4E	345	603	721	796	25454	160
EDIC_PTR_345_230_BK 2E	BK 2E	230	551	626	758	25422	180
EDWARDAV-RIVRHEAD_138_893	893	138	275	346	377	325654	128
EELPOTRD-MEYER___115_724	968	115	143	157	167	325288	4

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
EFISHKCH_345_115_BK 1	BK 1	345	505	531	531	25724	56
EFISHKIL-WOOD_ST__345_F38	F38	345	2409	2679	3406	25367	861
EFISHKIL-WOOD_ST__345_F39	F39	345	2409	2679	3406	25368	940
EGRDNCTY_138_69__BK 1	BK 1	138	258	304	338	26652	104
EGRDNCTY_345_138_BK 1	BK 1	345	444	556	641	25551	316
EGRDNCTY_345_138_BK 2	BK 2	345	444	556	641	25552	314
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	444	812	855	25678	316
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	444	812	855	25679	314
EGRDNCTY-CARLPLCE_138_361	361	138	315	345	376	25533	52
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	693	940	1360	325158	631
EGRDNCTY-NEWBRDGE_138_462	462	138	186	274	452	25303	66
EGRDNCTY-NEWBRDGE_138_463	463	138	203	292	413	25304	66
EGRDNCTY-NEWBRDGE_138_465	465	138	212	300	419	25535	71
EGRDNCTY-NEWBRDGE_69__465_466	465_466	69	68	79	83	26582	6
EGRDNCTY-ROSLYN__138_362	362	138	309	339	369	25534	8
EJWEST__SCOFDRD_115_9	9	115	245	260	282	326147	45
EKINGSTN-RHINEBCK_115_ER	ER	115	219	232	255	26222	34
ELBRIDGE_345_115_BK 1	BK 1	345	542	621	796	25448	305
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	141	144	165	26097	11
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	13
ELBRIDGE-HYATT___115_10-979	15-EH	115	156	171	182	25109	61
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1562	1912	25149	487
ELBRIDGE-MILTON_C_115_18	18-EM	115	156	159	159	26095	9
ELBRIDGE-STATE_ST_115_5-972	5_972	115	299	343	358	25107	69
ELBRIDGE-STATE_ST_115_6-710	6-710	115	297	306	337	326377	52
ELM_ST__-SENECA__230_71	71	230	223	254	262	26426	20

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ELM_ST_-SENECA__230_72	72	230	223	254	262	26427	20
ELWOOD__138_69__BK 3	BK3	138	129	156	203	26540	54
ENDICOTT-RANGEHL__115_920	920	115	149	149	149	26158	20
ENDICOTT-ROBBLEAV__115_948	948	115	254	254	254	26159	66
ENORWICH-CITYLINE__115_918	918	115	120	120	120	325280	38
ENORWICH-JENNISON__115_946	946	115	117	136	153	25729	19
ERIE E__-S.RIPLEY_230_69	69	230	516	630	637	25016	104
ERIE_ST_-PAVMNTRD__115_926	926	115	252	277	308	26175	21
ETNA___-CLRKSCRN__115_715	715	115	304	313	345	325728	35
ETNA___-CLRKSCRN__115_947	947	115	292	313	345	325727	35
ETNA___-WILLET__115_945	945-2	115	149	169	175	25731	76
FAIRFIEL-INGHAM_C__115_3	3	115	141	144	159	26106	61
FAIRPORT-ELBRIDGE__115_2	2	115	176	181	209	26099	33
FAIRPORT-HOOK_TAP__115_1	1	115	176	181	183	26327	72
FALCONER-SOUTHADOW__115_153	153	115	156	171	182	26033	13
FALCONER-SOUTHADOW__115_154	154	115	156	171	182	26032	4
FARMGTN__115_12__BK 3	BK 3	115	26	32	44	325380	5
FARMGTN__115_34__BK 1	BK 1	115	72	82	112	70259	37
FARMGTN__115_34__BK 2	BK 2	115	64	74	100	70258	29
FARMGTN_-BORDRCTY__115_4-977	977	115	187	206	219	25057	60
FARMGTN_-HAMLTNNM__115_7-983	7-983	115	146	146	146	26101	29
FARRAGUT_345A_138C_BK 9X	BK 9X	345	130	174	216	25636	42
FARRAGUT_345A_138D_BK 10X	BK 10X	345	130	174	216	25637	86
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	150
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	150
FARRAGUT-GOWANUS__345_41	41	345	724	899	1356	25141	520

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
FARRAGUT-GOWANUS__345_42	42	345	724	899	1356	25140	520
FARRAGUT-HUDS_AVE_138_32077	32077	138	130	174	216	25291	86
FARRAGUT-HUDS_AVE_138_32711	32711	138	129	154	167	25293	42
FARRCKWY-CEDRHRST_69__256	256	69	143	157	168	26566	2
FARRCKWY-WOODMERE_69__259	259	69	120	136	143	26597	4
FENERWND-ONEIDA__115_8	8	115	159	159	159	25894	12
FERNDALE-WWDBURNY_115_959	959	115	90	90	90	26180	22
FEURABSH-GREENBSH_115_17	17	115	222	234	278	25862	17
FEURABSH-NCATSKLL_115_2	2-FN	115	141	144	165	25067	66
FISHKPLN-EFISHKIL_115_HF	HF	115	243	267	293	26227	36
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	238	239	239	25066	123
FITZPTRK-EDIC____345_FE-1	FE-1	345	1434	1434	1661	25077	619
FIVE_MIL-VALLEY44_115_152	152	115	156	171	182	326174	10
FIVE_MIL-VALLEY44_115_167	167	115	156	171	182	326173	6
FIVEMILE_345_115_TR1	TR1	345	597	597	597	326175	61
FIVEMILE-STOLLERD_345_29	29	345	754	840	840	326176	52
FLATROCK-BROWNFLS_115_2	2-FBF	115	130	144	159	26079	47
FLATSTR_-EELPOTRD_115_722	968	115	143	157	167	325287	21
FLOWRFLD-STONBROK_69__878	878	69	164	176	195	326335	50
FORGEBRK-MERTPARK_115_WF	WF	115	194	214	237	26229	83
FORTDRUM-DEFERIET_115_2-FD	2-FD	115	141	144	165	26091	6
FORTDRUM-TAYLORVL_115_2	2-DT	115	128	135	152	26090	13
FOXHILLS-WILLWBRK_138_29211	29211-1	138	207	275	450	25771	106
FOXHILLS-WILLWBRK_138_29212	29212-1	138	207	275	450	25772	94
FRASANNX-COOPERS__345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	756
FRASER__345_115_BK 2	BK 2	345	356	420	420	25391	127

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
FRASER__-COOPERS__345_33	33	345	1793	1793	1793	25236	527
FRASER__-GILBOA__345_GF5-35	GF5-35	345	1746	1793	1793	25060	34
FRASERNY-DELHI_TP_115_951	951-3	115	239	239	239	26202	127
FREEST-NEWBRDGE_138_461	461	138	222	289	413	25155	150
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-NBRDWYNG_115_181-922	181-922	115	179	197	211	326277	100
FRNKYONG-WALDENNG_115_182	182	115	211	217	242	326279	73
FRONT_ST-ROSA_RD__115_11	11	115	239	239	239	26274	79
FROST_BR-LONG_MTN_345_352	352	345	1351	1554	1841	25363	190
FROST_BR-SOUTHNGT_345_329	329	345	1350	1554	1793	25364	417
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	119	119	159	25502	19
FULLRHWL-MORGANRD_115_937	937	115	239	239	239	325223	4
GALEVILE-KERHONKS_69__GK	GK	69	149	161	181	326089	8
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	56
GARDNVLA-LANGNERD_115_903	903	115	179	197	213	325284	101
GARDNVLA-STOLLERD_230_66	66	230	613	673	765	25180	184
GARDNVLB_230_115_BK 2	BK 2	230	317	334	396	25385	106
GARDNVLB_230_115_BK 3	BK 3	230	168	210	250	25416	71
GARDNVLB_230_115_BK 4	BK 4	230	169	211	250	25417	71
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	19
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	7
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	38
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	38

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
GARDNVLB-COBBLENM_115_151	151	115	199	199	199	26040	22
GARDNVLB-COBBLENM_115_152	152-1	115	199	199	199	26023	30
GARDNVLB-DUNKIRK__230_73	73	230	637	637	637	25166	72
GARDNVLB-DUNKIRK__230_74	74	230	633	633	633	25197	72
GARDNVLB-GARDNVLA_115_T1012	T1012	115	376	403	420	25085	11
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	772	772	772	25089	59
GARDNVLB-WALDENNG_115_54-921	54-921	115	168	212	239	26035	21
GE_R_D__-GROOMS__115_20_15	20_15	115	245	257	294	26266	22
GELCKHM_-WETZEL__115_14	14-CG	115	268	293	317	326189	70
GETZVL60-AYERREND_115_36	36	115	211	217	255	26049	71
GILBOA__-LEEDS__345_GL3	GL3	345	1762	1896	2241	25219	498
GILBOA__-N.SCTLND_345_GNS-1	GNS-1	345	1746	1896	2103	25052	93
GINNA__-PANNELRG_115_912	912	115	289	305	312	25260	42
GINNA__-S124__115_913	913	115	298	344	414	26281	130
GINNA__-STA_135_115_909	909	115	282	298	313	325837	83
GINNA__-STA_135_115_937	937	115	282	298	313	325838	83
GINNA__-STA_204_115_908	908-1	115	322	360	415	26282	93
GINNA__-STA_204_115_911	911	115	320	358	414	26283	147
GIRDLERD-STOLLERD_115_706	706	115	228	229	239	325161	19
GLDNBRGD-CROTONFL_115_991	991	115	261	287	311	326416	8
GLENHEAD-ORCHARD__69_458	458	69	96	106	111	26577	27
GLENWDGT-ROSLYN__138_364	364	138	336	372	409	25556	39
GLENWOOD_138_69__BK 5	BK 5	138	128	156	203	25735	84
GLENWOOD_138_69__BK 6	BK 6	138	128	156	208	70637	81
GLENWOOD-BROOKVLE_69_457	457	69	88	100	106	26579	31
GLENWOOD-CARLPLCE_138_363	363	138	312	374	411	25554	22



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
GLENWOOD-GLENWDGT_138_366	366	138	335	371	407	25555	52
GLENWOOD-MTCHGRDN_69_478	478	69	141	174	195	26581	1
GLENWOOD-NEWCASSL_69_487	487	69	132	146	156	26580	37
GLENWOOD-ORCHARD_69_530	530	69	164	176	195	26578	42
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	100
GOETHALS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	93
GOETHALS-FRESHKLS_345_22	22	345	1285	1618	1817	25137	93
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	429
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	429
GOETHSLN_345/230_BK 1	BK 1	345	630	789	886	25642	100
GOLAH___-MORTIMER_115_110	110	115	158	159	159	26034	76
GOLAH___-MORTIMER_69_109 EQ	109 EQ	69	64	68	72	69242	10
GOUDEY___-ROBBLEAV_115_940	940	115	292	320	351	325166	50
GOUVNEUR-BATTHILL_115_8	8-GBH	115	93	101	106	26066	26
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__345_138_BK T2	BK T2	138	305	362	421	25476	140
GOWANUS_-GOETHALS_345_25	25	345	561	748	1241	25139	386
GOWANUS_-GREENWD__138_42231	42231	138	273	362	421	25214	140
GOWANUS_-GREENWD__138_42232	42232	138	273	338	407	25215	140
GOWANUSA-GREENWD__138_42G24	42G24	138	270	307	322	26007	208
GOWANUSC-GREENWD__138_42G13	42G13	138	259	307	322	26006	199
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	149	172	215	26478	7
GREENBSH-FT._ORAN_115_15	15	115	199	199	199	26130	55
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185	38

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184	34
GREENDGE-MONTRFL__115_970	970	115	146	160	178	26183	40
GREENLWN_138_69__BK5	BK5	138	129	156	203	26655	44
GREENLWN-ELWOOD__138_673	673	138	381	590	668	25546	79
GREENLWN-ELWOOD__69_668	668	69	96	106	111	26559	1
GREENLWN-SYOSSET__138_676	676	138	263	365	657	25548	33
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	12
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	28
GRISLD64-NIAGB130_115_182	182	115	211	217	255	26014	118
GRMVL-CH-HONK_FLS_69__HG-1	HG-1	69	40	40	40	26233	16
GRMVL-CH-WDELV_TP_69__HG	HG	69	49	51	57	26232	6
GROOMS_-JOHNSON__115_13-14	13	115	268	293	317	26267	75
GRS_LOCK-GELCKHM__115_8	8-GS	115	141	144	165	26103	61
GRS_LOCK-S.OSWEGO_115_9	9-GS	115	176	181	197	25510	88
GRS_LOCK-TILDEN__115_16	16-GT	115	141	144	165	26102	30
GRTNECK_-PORTWASH_69__484	484	69	88	100	106	325217	19
GRUMMAN_-SYOSSET__69_558_552	558_552	69	88	100	106	26599	34
GUARDIAN-HALEYRD__115_969	969	115	179	179	179	26167	72
HALEYRD_-GREENDGE_115_969	969	115	179	179	179	325294	44
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	189	195	197	26096	140
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	34	42	56	25394	11
HAMRHILL-INDK-OSW_115_6	6-HI	115	139	144	159	26114	59
HANAWAFL-COLTON__115_5	5	115	222	234	278	326185	24
HANCOCK_-HAZEL__115_955	955-1	115	119	120	120	26187	0
HARNGCRN-W.NYACK_69_701	701	69	141	154	160	26259	2
HARRIMAN-HILLBURN_69_31_311	31_311	69	181	229	258	26261	22

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162	33
HAUPPAUG-C._ISLIP_138_889	889	138	241	326	413	25681	44
HAZEL___-FERNDALE_115_955	955-2	115	119	120	120	26181	10
HDSNBRDG-DEWITT___115_10	10	115	340	374	413	325260	75
HDSNBRDG-DEWITT___115_7	7	115	340	374	414	325261	53
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	16
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	16
HELLGT_W-ASTORIAW_138_24051	24051	138	188	264	447	25210	25
HELLGT_W-ASTORIAW_138_24052	24052	138	188	264	447	25211	30
HELLGT_W-ASTORIAW_138_24053	24053	138	171	207	207	25212	132
HELLGT_W-ASTORIAW_138_24054	24054	138	171	207	207	25213	133
HELLGT_W-ASTORIAW_138_24056	24056	138	183	270	284	26461	25
HEWLETT_-VALLYSTR_69_260	260	69	128	157	168	325286	43
HICKLING-CATON___115_958	958	115	119	120	120	26189	14
HICKLING-YAWGERRD_115_964	964	115	149	164	175	26188	29
HIGH_FLS-KERHONKS_69_FK	HK	69	54	56	63	326088	12
HILLBURN_138_69__BK 317	BK 317	138	187	230	265	26330	67
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	67
HILLBURN-RINGWOOD_69_89	89	69	141	154	160	26262	19
HILLBURN-S.MAHWAH_69_65	65	69	165	181	188	26263	38
HILLSIDE-CHEMUNG___115_962	962	115	170	179	179	25726	44
HILLSIDE-WATRCURE_230_69	69	230	657	657	657	25181	234
HINMAN___-HARSNRAD_115_908	908	115	297	306	306	26161	141
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	61
HOLBROOK_138_69__BK 1	BK 1	138	258	304	338	69378	129
HOLBROOK_138_69__BK 2	BK 2	138	122	136	136	69376	54

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
HOLBROOK-HOLT_8KU_69__857	857	69	142	173	203	26545	35
HOLBROOK-HOLT_8KU_69__866	866	69	142	173	203	26546	36
HOLBROOK-MCARTHUR_69__859	859	69	164	176	195	26556	75
HOLBROOK-NSHORBCH_138_884	884	138	404	443	491	25341	6
HOLBROOK-PORTJEFF_69__864_876	864_876	69	143	157	168	26607	2
HOLBROOK-PORTJEFF_69__865_875	865_875	69	143	157	168	26608	26
HOLBROOK-SILLSRD__138_872	872	138	564	600	682	25340	1
HOLBROOK-WEST BUS_138_888	888	138	575	616	682	25542	351
HOLT_8KU-CORAM__69__874	874	69	132	146	156	26551	30
HOLT_8KU-HOLTS_8G_69__856_852	856_852	69	115	115	115	26552	59
HOLTSVLE-UNIONAVE_138_818	818	138	181	236	310	25584	84
HOLTSVLE-WEST BUS_138_877	877	138	557	598	662	325909	214
HOMER C_-HOMR_NYW_345_48	48	345	1508	1713	1789	326213	281
HOMER_HL-FIVE_MIL_115_169	169	115	270	297	324	26452	22
HOMER_HL-FIVE_MIL_115_170	170	115	270	297	324	26022	22
HOMER_HL-NILE____115_157	157-1	115	107	117	123	26041	17
HOMR_NYW-PIERC_NY_345_48	48	345	1508	1713	1789	326214	281
HOMRC_NY-MAINS_NY_345_47	47	345	1387	1631	1900	326121	119
HONK_FLS-KERHONKS_69__HK	FK	69	54	56	63	26237	15
HONK_FLS-KERHONKS_69__MK	MK	69	54	56	63	326087	14
HOPATCON-RAMAPO__500_5018	5018	500	1156	1450	1915	25019	360
HOPKINS_-TEALLAVE_115_11	11	115	239	239	239	26105	86
HUDS_AVE-JAMAICA__138_701	701	138	172	234	371	25294	79
HUDS_AVE-JAMAICA__138_702	702	138	172	234	371	25295	79
HUDSON__-PLSTVYCH_115_12	12-HP	115	159	159	159	25499	43
HUDSON__-VALKIN__115_15	15	115	227	248	268	26514	77

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
HUDSONP_-FARRAGUT_345_B3402	B3402	345	464	643	877	25020	150
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	319
HUNT____-STRFRST_69_99	99	69	141	154	160	326299	18
HUNTLEY_-BUFAL129_115_38	38	115	176	181	199	26047	87
HUNTLEY_-BUFAL129_115_39	39	115	176	181	209	26044	85
HUNTLEY_-ELM_ST__230_70	70	230	432	477	491	25855	66
HUNTLEY_-SAWYER__230_79	79	230	691	760	848	25127	259
HUNTLEY_-SAWYER__230_80	80	230	691	760	848	25128	312
HUNTLEY_-SWETH224_115_37	37	115	190	190	190	26045	4
HUNTLEY_-YOUNG214_115_36	36	115	199	199	199	26046	2
HURLYAVE_115_69__TR 3	TR 3	115	119	141	167	25837	41
HURLYAVE_345/115_BK 1	BK 1	345	486	560	560	25419	193
HURLYAVE-BOULEVRD_69__I	I	69	76	81	86	26213	11
HURLYAVE-LINCNRK_115_HP	HP	115	243	267	293	25833	86
HURLYAVE-ROSETON__345_303	303	345	1713	1885	1912	25218	436
HURLYAVE-STURGNPL_115_HS	HS	115	211	224	241	25834	48
HYATT____115_34__BK 1	BK 1	115	61	76	100	70329	16
HYATT____-BORDRCTY_115_10-979	979	115	143	143	143	25106	44
IMC_TAP_-MECO____115_15-IM	15-IM	115	152	166	175	26132	24
INDCORTH-SPIERFLS_115_18	18	115	340	374	414	26149	118
INDK-OSW-LIGHTHSE_115_2	2-ILH	115	139	144	159	25503	23
INDN_PT3-BUCHAN_S_345_W96	W96	345	1793	1793	2266	25570	1006
INDPDNCE_345_18__TB 5	MT 5	345	215	235	255	68303	167
INDPDNCE_345_18__TB 6	MT 6	345	215	235	255	68304	167
INDPDNCE-SCRIBA__345_25	25	345	1918	2115	2390	25859	29
INGCALTN-DEPEW_NG_115_54-921	54-921	115	168	212	239	326276	62

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
INGHAM_C_115_115_PAR 2	PAR 2	115	197	234	239	25242	120
INGHAM_C-INGHAM_E_115_R81	R81	115	222	234	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7	115	114	131	152	25061	20
INGHAM_E-IMC_TAP__115_15	15-II	115	128	135	152	25871	38
INGHAM_E-STJHNVLE_115_6	6-IS	115	104	107	122	26133	38
INGHAM_E-STONER__115_9	9-IS	115	128	135	152	25863	18
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	15
JENNISON-HANCOCK__115_954	954	115	119	120	120	26186	28
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	41
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	21
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	95
KATONAH_-AMAWALK__115_995	995	115	261	287	311	325279	28
KATONAH_-GLDNBRGD_115_991	991	115	261	287	311	26157	23
KENTAVE_-GREENWD__138_31232	31231-2	138	195	249	310	25299	74
KINTIGH_-ROCHESTR_345_SR1-39	SR-1	345	1591	1745	1793	25073	318
KNAPPCRN_115_69__TR 2	TR 2	115	48	59	60	25838	9
KNAPPCRN-PLSTVYCH_69__G	G	69	54	56	63	26239	18
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	238	262	291	26240	38
KNAPPCRN-SPACKILL_115_SK	SK	115	238	262	291	325777	10
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	7
LADENTWN-BOWLINE__345_68	68	345	777	837	837	25249	345
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	844
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1976	2387	2895	25248	328
LAFAYTTE-CLRKSCRN_345_4-46	16893	345	1279	1410	1781	25049	770

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
LAFAYTTE-DEWITT__345_22	22	345	1643	1643	1643	25174	293
LAKEVIEU-CLVRBANK_115_142	142	115	107	117	123	325881	31
LAKRD_OR-BLUELAKE_69_981	981	69	139	152	158	326313	27
LAKSUCSS_138_69__BK 5	BK 5	138	258	304	338	26603	127
LAKSUCSS_138_69__BK 6	BK 6	138	258	304	338	325098	116
LAKSUCSS_138A_138B_PAR	B_PAR	138	339	356	427	25593	200
LAKSUCSS-GRTNECK__69__414	414	69	101	149	251	325846	37
LAKSUCSS-GRTNECK__69__479	479	69	87	106	117	26587	42
LAKSUCSS-GRTNECK__69__480	480	69	147	176	195	26588	43
LAKSUCSS-SPERRY__69__481	481	69	120	137	149	26586	33
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	56
LAUREL L-GOUDEY__115_952	952	115	133	149	162	25012	87
LAURLEGY-SCOV RCK_345_384	384	345	896	1255	1434	26389	379
LAWRNCV-HANAWAFL_115_5	5	115	268	293	317	26085	21
LAWRNCV-SUGARISL_115_4	4	115	268	293	317	326186	19
LEEDS__-ATHENS__345_95	95	345	1624	1783	1946	25789	39
LEEDS__-HURLYAVE_345_301	301	345	1713	1885	1912	25055	629
LEEDS__-PLSNTVLY_345_92	92	345	1624	1783	1912	25056	947
LEVITTWN-BETHPAGE_69_570	570	69	164	176	195	26523	41
LEVITTWN-GRUMMAN__69__573	573	69	115	132	132	26583	49
LEVITTWN-PLAINDGE_69_571	571	69	164	176	195	26521	69
LIGHTHSE-EWATRTWN_115_5	5	115	119	119	119	25504	6
LIGHTHSE-MALLORY__115_7	7-CL	115	141	144	165	25521	32
LINCNPRK-EKINGSTN_115_LR	LR	115	243	260	282	26223	47
LINDEN__-GOETHALS_230_A2253	A2253	230	688	785	908	25017	100
LINDHRST-W.BABYLN_69_753	753	69	96	106	111	326344	2

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
LITTLRIV-COLTON__115_8	8	115	93	101	106	25514	1
LITTLRIV-PYRITES__115_7	7	115	87	87	87	326402	12
LNGRD209-GARDNVLB_115_180	180	115	194	199	233	326282	112
LNGRD209-GRISLD64_115_182	182	115	243	249	297	326283	139
LOCKPORT-HINMAN__115_100	100	115	268	293	317	25087	102
LOCKPORT-N.AKRON__115_108	108	115	158	162	187	25266	26
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	25
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	22
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	43
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	15
LOCKPORT-TELGRAPH_115_114	114-1	115	174	191	199	25264	27
LOCUSTGR-NEWBRDGE_138_558	558	138	351	579	659	25158	294
LOCUSVLY-OYSTERBY_69_532	532	69	96	106	111	326114	2
LONG_MTN-PLSNTVLY_345_398	398	345	1414	1549	1796	25033	35
LONG_MTN-PLUM TRE_345_321	321	345	1601	1757	1984	25720	155
LONGLANE-LAFARGE__115_6	6	115	141	144	165	25864	46
LOVETT__138_69__BK 147	BK 147	138	94	130	149	26331	36
LOVETT__-BOWLINOR_138_56	56	138	279	305	317	25877	38
LOVETT__-CEDAR_OR_69_55	55	69	113	124	129	25886	34
LOVETT__-STONYPNT_138_54	54	138	282	309	321	25885	9
LOWVILLE-BOONVLE_115_5	5-LB	115	128	135	152	26075	44
LUDLOW__-CARP HL_345_301	301	345	1569	1757	1886	25722	52
LUDLOW__-NORTHFLD_345_354	354	345	1601	1757	1984	25713	642
LUDLUM__-BENETTRD_115_161	161-3	115	213	225	242	326230	41
LUDLUM__-BENETTRD_115_162	162-2	115	213	225	242	326229	40
LUTHERFT-MALTA__115_1	1	115	213	292	324	325889	74



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
LUTHERFT-MALTA___115_302	2	115	213	292	318	325890	38
LUTHERFT-MULBRYNM_115_3	3	115	312	233	377	26477	4
LUTHERFT-MULBRYNM_115_308	308	115	312	320	320	325742	73
LYON_MTN-KNTFSRNC_115_1(911)	911	115	149	172	204	26205	7
MACHIAS_-VALLEY44_115_152	152	115	156	171	182	326172	3
MACHIAS_-VALLEY44_115_167	151	115	145	160	178	326169	6
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	11
MALLORY_-WETZEL___115_7	7-CL	115	224	224	224	326206	9
MALONE__-NICHLVLE_115_3	3-NM	115	168	197	199	25585	11
MALONE__-WILLIS___115_MW1-910	1-MW	115	168	191	199	25586	66
MALTA___-TAPBLSTN_115_1	1	115	268	293	317	325891	74
MALTA___-TAPBLSTN_115_302	302	115	268	293	317	325892	22
MANCHSTR-SPACKILL_115_MC	MC	115	243	267	293	325776	22
MAPLE140-BUFALO54_115_38	38	115	211	217	255	326157	64
MAPLE140-BUFALO54_115_39	39	115	211	217	255	326158	62
MAPLEWOD-WTRVLARS_115_19	19	115	168	212	239	25870	58
MAPLEWOD-WTRVLARS_115_31	31	115	168	188	239	25844	70
MARCY___765_345_AT2	BK 2	765	1917	2034	2297	25456	652
MARCY___765_345_BK 1	BK 1	765	1756	1756	1756	25455	742
MARCY___-EDIC____345_UE1-7	UE1-7	345	1917	2034	2297	25229	586
MARCY___-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	779
MARCY___-N.SCTLND_345_18	18	345	1793	2034	2241	25276	594
MARION__-FARRAGUT_345_C3403	C3403	345	454	645	841	25038	150
MARSHVLE-CLINTON__115_12	12	115	152	159	159	325267	4
MASSAPEQ-STERLING_69_567	567	69	167	184	203	26525	32
MASSENA__765_230_AT1	BK 1	765	1288	1378	1872	25665	147

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MASSENA__765_230_AT2	BK 2	765	1288	1378	1872	25666	146
MASSENA_-MARCY___765_MSU1	MSU1	765	5300	6254	6625	25224	1394
MCADOO__-DEKALB___115_4	4	115	93	101	106	26064	8
MCADOO__-LITTLRIV_115_8	8	115	87	87	87	326404	1
MCADOO__-MCINTYRE_115_8	8	115	87	87	87	326410	1
MCARTHUR-BAYPORT__69__776	776	69	96	106	111	326409	20
MCINTYRE-CORNING__115_6	6	115	156	158	159	26108	1
MCKNOWNV-NEWKRMKL_115_8	8	115	337	373	414	26499	116
MECO___-CHURCH_S_115_10	10-AM	115	152	153	153	26120	2
MENANDS_-REYNOLDS_115_2	2-MR	115	255	282	316	26135	128
MENANDS_-RIVERSDE_115_3	3-MR	115	292	327	371	26134	121
MENANDS_-WTRVLARS_115_19	19	115	156	170	181	326246	62
MERTPARK-WICCOPEE_115_WP	WP	115	244	260	282	325772	53
MEYER___-CANANDGA_230_60	60	230	591	649	715	325604	48
MEYER___-MORAINE__115_966	966	115	149	172	191	26166	55
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	253
MIDDLETP_345_138_BK 114	BK114	345	506	587	671	26465	253
MIDDLETP-ROCKTVRN_345_CCRT34	CCRT-34	345	1918	2115	2390	26464	443
MILAN___-PLSTVYCH_115_10	10	115	168	187	199	26433	4
MILAN___-RHINEBCK_115_MR	MR	115	219	232	239	26242	4
MILLBURY-CARP HL__345_302	302	345	1475	1560	1919	25721	50
MILLERPL-HOLBROOK_138_885	885	138	525	586	664	26691	19
MILLIKEN-ETNA____115_974	974	115	231	260	286	26177	116
MILLIKEN-ETNA____115_975	975	115	231	260	286	26178	125
MILLWOOD_345_138_TA 1	TA 1	138	248	333	359	25530	40
MILLWOOD_345_138_TA 2	TA 2	138	234	305	321	25531	39

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	1042
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	990
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	993
MILTON_C-GRS_LOCK_115_18	18-MG	115	156	171	182	26104	24
MILTR209-SUMMIT97_115_130	129	115	239	317	317	326291	136
MILTR210-SUMMIT97_115_129	129	115	239	294	299	326288	126
MNCHESTR-CARD_____345_368	368	345	1350	1554	1939	25710	378
MNCHESTR-MILSTONE_345_310	310	345	1811	2145	2372	25336	374
MNCHESTR-NO.BLOOM_345_3642	3642	345	956	956	956	26399	100
MNCHESTR-SCOV RCK_345_353	353	345	1518	1805	2217	25714	530
MNTNDALE-WWDBURNY_115_957	957	115	120	120	120	325616	25
MODENA__-OHIOVLE_115_PX	PX	115	285	310	349	25835	4
MOHANSIC_115_13__BK 2	BK 2	115	26	28	33	26482	11
MOHANSIC_115_13__BK 4	BK 4	115	26	28	33	26483	17
MOHICAN_-BATNKILL_115_15	15	115	270	297	324	26122	38
MOHICAN_-MULBRYNM_115_3	3	115	227	248	268	26687	4
MONROE__-HARRIMAN_69__312	312	69	141	154	160	26269	45
MONROE__-SUGRLOAF_69__313	313	69	181	229	258	26270	107
MONSEY__-BURNS____138_601	601	138	456	478	500	325608	135
MONTRFL_-CODNIGTN_115_982	982	115	133	149	162	25728	72
MONTRFL_-RIDGE_RD_115_963	963-2	115	133	145	149	26196	47
MONTRFL_-RIDGE_RD_115_978	978-2	115	133	149	162	26197	43
MONTVALE-BLUE_HIL_69__43	43	69	22	27	32	26279	5
MONTVALE-BLUE_HIL_69__44	44	69	22	27	32	26502	5
MONTVILL-MILSTONE_345_371	371	345	1864	2187	2390	25334	663
MOONS_SW-FALCONER_115_172	172	115	107	117	123	26030	14

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MOONS_SW-FALCONER_115_173	173	115	107	117	123	26031	6
MORGANRD-LANGDON__115_936	936	115	238	239	239	325224	21
MORTIMER-FAIRPORT_115_1	1	115	168	181	188	25163	24
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	1
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	5
MORTIMER-STA_56__115_24	43124	115	156	171	182	25096	49
MORTIMER-STA_56__115_25	43125	115	139	146	162	25095	72
MOSES___230_115_AT1	BK 1	230	526	589	719	25411	37
MOSES___230_115_AT2	BK 2	230	526	589	719	25451	37
MOSES___230_115_AT3	BK 3	230	220	276	288	25452	14
MOSES___230_115_AT4	BK 4	230	551	598	719	25453	37
MOSES___-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	134
MOSES___-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	134
MOSES___-ALCOA_PA_115_MAL6	MAL6	115	256	282	327	25581	87
MOSES___-GRASRIVR_115_MAL4	MAL4	115	291	319	350	25582	89
MOSES___-GRASRIVR_115_MAL5	MAL5	115	291	319	350	25583	89
MOSES___-MASSENA_230_MMS1	MMS1	230	1279	1378	1593	25274	147
MOSES___-MASSENA_230_MMS2	MMS2	230	1279	1378	1593	25275	146
MOSES___-MED-ENGS_115_MRG1	MRG1	115	223	237	259	26328	26
MOSES___-MED-ENGS_115_MRG2	MRG2	115	223	237	259	26335	6
MOSES___-WILLIS__230_MW1	MW1	230	447	473	517	25188	10
MOSES___-WILLIS__230_MW2	MW2	230	447	473	517	25271	10
MOSHIER_-TAYLORVL_115_7-MT	7-MT	115	49	49	49	26109	14
MOTTHAVN_345_138_TR6	TR6	345	549	651	724	325428	79
MOTTHAVN_345_138_TR7	TR7	345	549	651	724	325426	79
MOTTHAVN_345_138_TR8	TR8	345	549	651	724	325427	79

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
MOTTHAVN_345_138_TR9	TR9	345	549	651	724	325429	79
MOTTHAVN-RAINEY__345_Q11	Q11	345	741	858	1309	325430	380
MOTTHAVN-RAINEY__345_Q12	Q12	345	741	858	1309	325431	354
MOUNTAIN-SWANROAD_115_103	103	115	224	250	282	26054	82
MTCHGRDN-NEWBRDGE_69__475	475	69	141	174	195	25606	13
MULBRYNM-EASTOVER_115_308	308	115	227	248	268	26475	100
N._SALEM-BATNKILL_115_989	989	115	45	52	57	26448	4
N.AKRON_-BATAVIA__115_107	107	115	159	159	159	25124	10
N.AKRON_-BATAVIA__115_108	108	115	152	159	159	25125	10
N.END___115_46__BK 1	BK 1	115	70	71	75	25849	31
N.END___-ASHLEYRD_115_702	702	115	351	386	434	25846	65
N.END___-PLATSBRG_115_701	701	115	239	239	239	25848	148
N.HEMPST-WHAVSTOR_138_530	530	138	282	309	321	26506	76
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	150
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	142
N.SCTLND-ALBANY__115_8	8-NA	115	340	373	414	25496	51
N.SCTLND-ALPS___345_2	2	345	1278	1410	1792	25217	218
N.SCTLND-ALTAMONT_115_20	20-NV	115	141	144	165	25492	80
N.SCTLND-BETHLHEM_115_4	4-NB	115	311	313	313	25497	32
N.SCTLND-FEURABSH_115_3	3-NF	115	311	341	375	25495	76
N.SCTLND-LEEDS___345_93	93	345	1534	1692	1912	25171	571
N.SCTLND-LEEDS___345_94	94	345	1534	1692	1912	25203	567
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	55
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	17
N.SCTLND-ROTTDAM_115_13	13-NR	115	255	282	358	25494	62
N.SCTLND-VORHVSLE_115_19	19-NV	115	128	135	152	25493	83

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
N.TROY__-EASTOVER_115_306	308	115	227	248	268	326095	26
N.TROY__-EASTOVER_115_307	10	115	222	234	268	326096	24
N.TROY__-HOOSICK_115_5	5-NHF	115	232	232	232	26131	6
N.TROY__-REYNOLDS_115_16	16-NR	115	222	234	239	26139	75
N.TROY__-WYNTKLN_115_14-988	14-NW	115	224	248	268	26137	74
NANGOLA_-DELEMTER_115_141	141	115	107	117	123	325872	18
NANGOLA_-DELEMTER_115_142	142	115	107	117	123	325879	13
NANGOLA_-SILVRCK_115_141	141	115	107	117	123	325871	6
NANGOLA_-SILVRCK_115_142	142	115	107	117	123	325878	2
NBRDWYNG-ERIE_ST_115_181-922	181-922	115	145	160	178	26011	55
NCATSKLL_115_69__TR 4	TR 4	115	57	71	79	25839	18
NCATSKLL_115_69__TR 5	TR 5	115	53	65	73	25818	18
NCATSKLL-MILAN___115_T7	T7	115	168	199	199	26243	4
NCATSKLL-SAUGRTES_69__H	H-2	69	86	90	96	26214	12
NCHELSEA_115/69__BK TR1	BK TR1	115	40	50	53	25836	13
NCHELSEA-FISHKPLN_115_NF	NF	115	255	290	315	26228	115
NCHELSEA-FORGE BRK_115_FO	FO	115	225	251	282	26230	123
NCHELSEA-MYERSCRN_69__TV	TV	69	49	52	58	26220	13
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	660
NESCNET-HOLBROOK_69__673	673	69	132	146	156	326339	62
NEVRSNK_-NVRSK_TP_69__WH	WH1-2	69	101	114	121	26244	11
NEVRSNK_-WDELV_TP_69__HG	HG	69	51	56	72	325624	3
NEWBRDGE_138_69__BK 6	BK 6	138	129	159	212	26604	80
NEWBRDGE_138_69__BK 7	BK 7	138	130	159	212	26605	72
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

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
NEWBRDGE-BAGATLRD_138_563	563	138	402	594	658	25536	1
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	660
NEWBRDGE-EGRDNCTY_138_467	467	138	267	468	666	325378	55
NEWBRDGE-JERICHO__69_474	474	69	120	137	149	26606	48
NEWBRDGE-LEVITWVN_69_565	565	69	164	176	195	26584	16
NEWBRDGE-RULAND__138_561	561	138	300	329	352	25305	80
NEWBRDGE-RULAND__138_562	562	138	299	327	350	25306	80
NEWBRDGE-RULAND__138_567	567	138	257	386	425	325379	82
NEWCASSEL-JERICHO__69_469	469	69	132	146	156	326401	7
NEWKRMKL-ALBANY__115_7	7	115	340	371	413	325257	134
NEWWALDN-GARDNVLB_115_38	38	115	168	203	237	26039	39
NIAGARA__230_115_AT1	BK T1	230	220	276	288	25409	120
NIAGARA__230_115_AT2	BK T2	230	275	349	414	25410	32
NIAGARA__345_230_AT3	BK 3	345	433	542	564	25408	46
NIAGARA__345_230_AT4	BK 4	345	864	896	1037	25449	84
NIAGARA__345_230_AT5	BK 5	345	433	542	564	25450	46
NIAGARA_-KINTIGH__345_NS1-38	NS1-38	345	1591	1745	1793	25074	358
NIAGARA_-LNGRD209_115_180	180	115	243	249	297	25104	125
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	82
NIAGARA_-PACKARD__115_191	191	115	349	359	398	25075	165
NIAGARA_-PACKARD__115_192	192	115	319	339	382	25099	174
NIAGARA_-PACKARD__115_193	193	115	348	358	398	25100	128
NIAGARA_-PACKARD__115_194	194	115	348	358	398	25101	128
NIAGARA_-PACKARD__115_195	195	115	359	359	475	25102	147
NIAGARA_-PACKARD__230_61	61	230	767	844	949	25186	397
NIAGARA_-PACKARD__230_62	62	230	717	717	949	25220	389

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
NIAGARA_-ROBNSNRD_230_64	64	230	639	678	717	25088	294
NIAGARA_-ROCHESTR_345_NR2	NR2	345	1591	1745	1904	25084	64
NIAGARA_-SANBORN__115_101	101	115	285	300	318	326180	80
NIAGARA_-SANBORN__115_102	102	115	319	339	382	25103	77
NIAGB130-FRNKYONG_115_181-922	181-922	115	211	217	255	26057	126
NIAGB130-FRNKYONG_115_182	182	115	211	217	255	326278	101
NICHLVLE-PARISHVL_115_3	3-PN	115	156	170	181	26110	6
NILE____-ANDOVER__115_157	157-2	115	128	135	152	26016	10
NINEMILE-CLAY____345_8	8	345	1278	1410	1624	25167	744
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	19
NINEMILE-SCRIBA__345_9	9	345	1278	1410	1792	25359	125
NO.LEROY-MUMFRD50_115_119	119	115	168	185	196	326559	13
NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	17
NORFOLK_-LAWRNCV_115_4	4	115	268	293	317	326397	26
NORTHFLD-VRNON VT_345_381	381	345	1195	1195	1580	25707	289
NRTH1385-NOR HBR__138_601	601	138	147	200	409	325597	33
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
NRTHPORT_138_138_PS2	138_PS2	138	473	488	586	25599	183
NRTHPORT_138N_138E_PAR 1	E_PAR 1	138	491	569	569	25598	100
NRTHPORT-ELWOOD__138_678	678	138	356	608	674	25543	103
NRTHPORT-ELWOOD__138_681	681	138	358	611	676	25544	101
NRTHPORT-PILGRIM__138_672	672	138	175	289	418	25307	129
NRTHPORT-PILGRIM__138_677	677	138	355	578	670	25308	276
NRTHPORT-PILGRIM__138_679	679	138	358	580	668	25309	276



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
OAKDALE__230_115_BK 1	BK 1	230	318	435	440	25400	21
OAKDALE__345_115_BK 2	BK 2	345	583	600	600	25401	261
OAKDALE__345_115_BK 3	BK 3	345	489	577	600	25399	216
OAKDALE_-DELHI___115_919	919	115	171	179	179	25897	1
OAKDALE_-ENDICOTT_115_938	938	115	171	188	239	26198	129
OAKDALE_-FRASER___345_32	32	345	1494	1692	1793	25235	44
OAKDALE_-GOUDEY___115_939	939	115	292	321	352	26182	159
OAKDALE_-KATTLVLE_115_943	943	115	171	188	221	26201	55
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199	109
OAKFIELD-BATAVIA__115_112-2	112-2	115	156	162	181	25126	17
OAKWD232-LOCKPORT_115_36	36	115	176	181	199	326369	71
OAKWD232-LOCKPORT_115_37	37	115	196	199	199	326372	73
OAKWOOD_-ELWOOD___138_674	674	138	381	588	666	25545	22
OAKWOOD_-SYOSSET__138_675	675	138	263	365	658	25547	36
OHIOVLE-HIGHLAND_115_OR	OR	115	223	234	278	26247	11
ONEIDA__-WALESVIL_115_7	7	115	141	144	159	26115	29
ONEIDA__-YAHNUNDA_115_6	6	115	128	135	152	26113	29
ORCHARD_-LOCUSVLY_69__531	531	69	96	106	111	26613	35
OSWEGO__345_115_BK 7	BK 7	345	576	657	774	25372	300
OSWEGO__-ELBRIDGE_345_17	17	345	1278	1410	1792	25234	792
OSWEGO__-S.OSWEGO_115_3	3-OS	115	209	239	239	25507	125
OSWEGO__-S.OSWEGO_115_5	5-OS	115	209	239	239	25508	125
OSWEGO__-S.OSWEGO_115_8	8-OS	115	478	478	478	25509	44
OSWEGO__-VOLNEY___345_11	11	345	1278	1410	1792	25199	2
OSWEGO__-VOLNEY___345_12	12	345	1278	1410	1792	25201	2
OWENSCRN-SABICO___115_7	7	115	141	144	165	325736	59

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
OWENSCRN-SABICO__115_9	9	115	141	144	165	325737	7
PACKARD__230_115_BK 3	BK 3	230	233	250	250	25414	30
PACKARD__230_115_BK 4	BK 4	230	235	250	250	25415	95
PACKARD_-LNGRD209_115_182	182	115	243	249	297	26056	139
PACKARD_-MILTR209_115_129	129	115	239	317	317	25906	137
PACKARD_-MILTR210_115_130	130	115	239	317	317	26059	145
PACKARD_-NIAGB130_115_181-922	181-922	115	194	199	233	26055	140
PACKARD_-SAWYER__230_77	77	230	680	747	836	25164	378
PACKARD_-SAWYER__230_78	78	230	680	747	836	25195	378
PALMITER-BENNETT__115_932	932	115	95	100	111	26165	23
PANNELL__345_115_3T	BK 3	345	314	336	336	25572	127
PANNELL__345_115_6T	BK 6	345	582	598	598	326317	127
PANNELL__345_115_BK 1	BK 1	345	273	329	336	25396	120
PANNELL__345_115_BK 2	BK 2	345	273	328	336	25431	120
PANNELL_-CLAY____345_1	PC1	345	1195	1195	1195	25058	411
PANNELL_-CLAY____345_2	2	345	1195	1195	1195	25050	413
PANNELRG-FARMGTN__115_4-977	4-FP	115	258	293	317	25080	104
PANNELRG-STA_56__115_24	24	115	156	171	182	26285	113
PANNELRG-STA_56__115_25	25	115	156	171	181	26284	94
PARISHVL-COLTON__115_3	3-CP	115	156	170	181	25241	10
PATROON_-NANOTECH_115_6	6	115	340	373	414	25866	67
PATROON_-PATRTAP__115_15	15	115	170	188	239	25867	31
PATRTAP_-EVERETRD_115_15	15	115	148	166	166	26493	37
PAVMNTRD-STOLLERD_115_926	926	115	299	335	368	325220	5
PAWLING_-TILYFSTR_115_994	994	115	175	178	179	25902	43
PEARLRVR-MONTVALE_69__491	491	69	141	154	160	26273	37

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
PEAT ST_-HDSNBRDG_115_10	10	115	207	233	233	26648	75
PEAT ST_-HDSNBRDG_115_7	7	115	340	374	414	26649	14
PETERBOR-ONEIDA__115_5	5	115	141	144	165	25896	13
PIERCBRK-FIVEMILE_345_37	37	345	1829	2008	2211	326225	113
PILGRIM__138B_138A_PAR	138_PS2	138	351	369	443	25604	110
PILGRIM_-COMMACK__69_674	674	69	143	157	168	26539	78
PILGRIM_-HAUPPAUG_138_871	871	138	345	368	419	25550	110
PILGRIM_-WEST BUS_138_881	881	138	559	603	664	25537	66
PINELAWN-W.BABYLN_69__754	754	69	141	141	141	26528	69
PINES__-BRENTWOD_69__758	758	69	132	146	156	326314	32
PLAINVIE-RULAND__69__560	560	69	80	99	117	26562	32
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	19
PLATTSBURGH PMLD #2	PS-1/A	115	179	179	224	69888	5
PLSNTVLE_345_13__BK 1	BK 1	138	64	70	70	25477	40
PLSNTVLE_345_13__BK 2	BK 2	138	64	70	70	25478	38
PLSNTVLE-DUNWODIE_345_W89	W89	345	1976	2282	2542	25182	776
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	816
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	250
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	250
PLSNTVLY-WOOD_ST__345_F30	F30	345	1976	2384	2895	25237	706
PLSNTVLY-WOOD_ST__345_F31	F31	345	1976	2384	2895	25238	671
PLSTVYCH_115_69__TR 10	TR 10	115	134	143	143	25840	54
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	48
PLSTVYCH-INWOOD__115_X1	X-1	115	219	232	255	26209	5
PLSTVYCH-MANCHSTR_115_M	M	115	243	267	293	26208	44
PLSTVYCH-SMITHFLD_69__E	E	69	50	50	50	25629	24

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
PLSTVYCH-TODDHILL_115_C	C	115	255	302	334	325156	54
PORTER__-DERFIELD_115_8	8	115	127	127	127	26116	11
PORTER__-ROTTDAM_230_30	30-PR	230	511	564	634	25173	223
PORTER__-ROTTDAM_230_31	31-PR	230	511	564	634	25194	224
PORTER__-VALLEY__115_4	4-PV	115	141	144	165	25231	78
PORTER__-WATKINRD_115_5	5-PW	115	141	144	165	25232	87
PORTJEFF_138_69__BK 7	BK 7	138	127	156	208	25601	67
PORTJEFF_138_69__BK 8	BK 8	138	129	159	212	25600	49
PORTJEFF-HOLBROOK_138_862	862	138	340	376	413	25539	25
PORTJEFF-HOLBROOK_138_886	886	138	341	377	415	25540	24
PORTJEFF-WILDWOOD_69__881_872_87	881_872	69	96	106	111	26612	32
PORTWASH-BARBEACH_69__471	471	69	150	176	195	325218	16
PYRITES_-DEKALB__115_7	7	115	93	101	106	26065	9
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093	35
QUAKERRD-PANNELRG_115_914	914	115	265	295	312	25261	45
QUAKERRD-PANNELRG_115_925	925	115	350	370	412	25682	63
QUAKERRD-SLEIGHT__115_13-980	980(13)	115	187	206	221	25079	41
QUAKERRD-STA_204__115_908	908	115	289	305	335	26286	54
QUENBRDG-VERNON__138_31281	31281	138	413	550	602	25159	0
QUENBRDG-VERNON__138_31282	31282	138	413	550	602	25160	67
QUENSBRY-CEDAR__115_10	10	115	156	170	181	26140	42
QUENSBRY-SHERMAN__115_17	17-QS	115	141	144	165	26142	46
RAINEY__-FARRAGUT_345_61	61	345	698	840	1300	25152	205
RAINEY__-FARRAGUT_345_62	62	345	739	854	1293	25253	189
RAINEY__-FARRAGUT_345_63	63	345	698	840	1300	25254	205
RAINEY__-VERNON__138_36311	36311	138	280	325	413	25296	23

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
RAINEY__-VERNON__138_36312	36312	138	295	353	409	25297	88
RAMAPO__345_138_BK 1300	1300	345	451	546	619	25441	189
RAMAPO__345_138_BK 2300	2300	345	451	546	619	25442	192
RAMAPO__345_345_PAR3500	PAR3500	345	740	901	1150	25370	180
RAMAPO__345_345_PAR4500	PAR4500	345	728	931	1093	25371	180
RAMAPO__500_345_BK 1500	BK 1500	345	1160	1419	1923	25656	360
RAMAPO__-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	331
RAMAPO__-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	172
RAMAPO__-SUGARLOF_345_76	76	345	2271	2271	2271	326219	506
RAMAPOOR-STRLFRST_138_26	26	138	314	343	356	326302	17
RAMAPOOR-TALLMAN__138_60	60	138	456	478	500	25880	235
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	18
REYNOLDS_345_115_BK 2	BK 2	345	585	676	796	25403	290
REYNOLDS-ALPS____345_1	1	345	1912	1912	1912	25587	271
REYNOLDS-GERENSLR_115_31	31	115	255	282	316	326247	78
REYNOLDS-GREENBSH_115_9	9	115	426	470	537	26129	137
REYNOLDS-RVSD_TAP_115_4	4	115	239	239	239	325648	25
RICHFELD-ESPRGFLD_115_7-942	942	115	119	120	120	26176	19
RIDGE_RD-HILLSIDE_115_963	963	115	133	149	162	26190	5
RIDGE_RD-HILLSIDE_115_978	978-1	115	133	149	162	26191	12
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	25
RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	87
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	101
RIVRHEAD_138_69__BK 7	BK 7	138	129	159	208	26622	61
RIVRHEAD_138_69__BK 8	BK 8	138	127	156	208	26623	51
RIVRHEAD-SOUTHOLD_69__956_957	956_957	69	132	146	156	26621	16

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	238
ROCHESTR_345_115_BK 1	BK 1	345	582	629	630	25412	166
ROCHESTR_345_115_BK 2	BK 2	345	389	476	478	25432	190
ROCHESTR_345_115_BK 3	BK 3	345	582	629	630	25446	159
ROCHESTR_345_115_BK 5	BK 5	345	546	630	630	325381	309
ROCHESTR-PANNELL__345_RP1	RP1	345	1591	1745	1904	25192	222
ROCHESTR-PANNELL__345_RP2	RP2	345	1591	1745	1904	25172	223
ROCKHILL-MNTNDALE_115_957	957	115	184	192	200	325615	31
ROCKTVRN_345_115_BK TR1	BK TR1	345	485	530	530	25406	84
ROCKTVRN_345_115_BK TR3	BK TR3	345	485	533	560	26168	84
ROCKTVRN-RAMAPO__345_77	77	345	2271	2271	2271	25183	619
ROCKTVRN-SUGARLOF_345_76	76	345	2271	2271	2271	326218	690
ROCKTVRN-UNION_CH_115_RJ	RJ	115	171	188	239	326347	43
ROME___-ONEIDA__115_1	1-RO	115	168	187	216	26112	19
RONKOKMA-HOLBROOK_138_875	875	138	547	590	650	25541	145
ROSA_RD_-GE_R_D__115_14	14	115	245	257	294	26145	44
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1361
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	22
ROTTDAM_230_115_BK 6	BK 6	230	406	447	585	25407	123
ROTTDAM_230_115_BK 7	BK 7	230	346	396	448	25392	116
ROTTDAM_230_115_BK 8	BK 8	230	377	427	474	25413	95
ROTTDAM-BURDECK__115_17	17-RB	115	141	144	165	25129	46
ROTTDAM-BURDECK__115_19	19-RB	115	128	135	152	26146	66
ROTTDAM-CURRY_RD_115_11	11	115	141	144	165	25869	20
ROTTDAM-EASTOVER_230_38	38	230	511	564	637	326094	97
ROTTDAM-FRONT_ST_115_16	16	115	268	293	317	26147	109

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
ROTTDAM-SWAGRTWN_115_1	1	115	478	478	478	26429	114
ROTTDAM-SWAGRTWN_115_2	2	115	282	288	318	26430	110
RULAND__-HOLBROOK_138_882	882	138	568	613	675	25538	11
RULAND__-PILGRIM__138_661	661	138	590	590	590	25310	89
RULAND__-PILGRIM__138_662	662	138	567	589	589	25311	89
RULAND__-PINELAWN_69__755	755	69	96	106	111	26561	26
RULAND__-STATSCHL_69__665	665	69	96	106	111	26560	48
RYAN____-PLATSBRG_230_RYP-2	RYP-2	230	292	320	356	25273	15
RYNDS_HL-HIGHLAND_115_HR	HR	115	237	260	282	325825	9
RYNDS_HL-INWOOD__115_IR	IR	115	219	232	255	26248	11
S.FRMDAL-BERRY_LI_69__654	654	69	96	106	111	26530	35
S.FRMDAL-RULAND__69__651	651	69	164	176	195	26568	71
S.FRMDAL-RULAND__69__751	751	69	151	191	272	26569	23
S.FRMDAL-STERLING_69__657	657	69	96	106	111	26526	13
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	95
S.OSWEGO-CURTIS__115_10	10	115	199	199	199	25511	79
S.OSWEGO-HAMRHILL_115_6	6-IH	115	139	144	161	25513	10
S.OSWEGO-NINEMILE_115_1	1-SN	115	141	144	159	25501	27
S.OWEGO_-GOUDEY__115_961	961	115	143	157	167	25725	44
S.OWEGO_-NWAVERLY_115_962	962-2	115	143	157	167	25727	12
S.PERRY__230_115_BK4	BK 4	230	292	336	336	326585	35
S.PERRY_-MEYER____115_934	934	115	106	116	120	26194	53
S.PERRY_-MEYER____230_87	85	230	506	556	603	326586	144
S.RIPLEY-DUNKIRK__230_68	68	230	511	564	607	25045	105
S124____115A_115B_PS1	PS1	115	176	242	414	325930	115
S124____115A_115B_PS2	PS2	115	176	242	414	325931	115

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
S42____-S124_____115_932	932	115	176	243	358	325827	114
S42____-S124_____115_938	938	115	213	230	230	325972	114
SABICO__-FEURABSH_115_9	9	115	268	293	317	326028	7
SABICO__-LONGLANE_115_7	7	115	199	199	199	26501	45
SALAMANC_HOMER_HL_115_153	153	115	156	159	159	325763	26
SALAMANC_HOMER_HL_115_154	154	115	156	159	159	325764	30
SANBORN_-LOCKPORT_115_101	101	115	285	300	318	25267	77
SANBORN_-SHAWNERD_115_102	102	115	350	371	413	326179	77
SAND_BAR-PLATSBRG_115_PV20	PV20	115	236	274	274	25027	103
SANDDOCK-NCHELSEA_115_SC	SC	115	255	282	315	26249	75
SANDY PD-TEWKSBRY_345_337	337	345	2022	2182	2379	26366	221
SANDY PD-WACHUSST_345_314	314	345	2022	2325	2795	26352	567
SANDY PD-WACHUSST_345_343	343	345	1600	1760	1982	25716	567
SAUGRTES-HURLYAVE_69__SB	SB	69	86	90	96	26238	29
SAWYER__230_23__TB1	TB1	230	100	140	140	325047	57
SAWYER__230_23__TB2	TB2	230	100	140	140	325048	58
SAWYER__230_23__TB3	TB3	230	100	140	140	325049	54
SAWYER__-HUNTLEY__230_77	77	230	691	760	848	325043	319
SAWYER__-HUNTLEY__230_78	78	230	691	760	848	325044	318
SAWYER__-SUNY_BUF_230_79	79	230	691	760	800	325045	259
SAWYER__-SUNY_BUF_230_80	80	230	691	760	848	325046	257
SCHODACK-GREENBSH_115_13	13	115	199	199	199	325804	86
SCHUYLER-PORTER__115_13	13	115	168	212	239	326142	37
SCOBIE__-EAGLE____345_380	380	345	1697	1697	1697	25708	442
SCOBIE__-SEABROOK_345_363	363	345	1494	1494	1494	26378	558
SCOTAFLT-MASONCR__115_909	909	115	189	207	221	325702	7



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SCRIBA__-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1912	25076	208
SCRIBA__-VOLNEY__345_20	20	345	1474	1626	1881	25204	605
SCRIBA__-VOLNEY__345_21	21-SV	345	1912	1912	1912	25314	791
SEBATVIA-EBATAVIA_115_119	119	115	168	185	196	326098	34
SENECA__-GARDNVLB_230_71	71	230	306	354	370	25856	20
SENECA__-GARDNVLB_230_72	72	230	306	354	370	25857	20
SGOSHEN_-SHOEMAKR_69__25	25	69	83	90	94	26692	18
SHALETON-CLVRBANK_115_141	141	115	107	117	123	325875	31
SHALETON-LAKEVIEU_115_141	141	115	107	117	123	325874	29
SHAWNERD-LOCKPORT_115_102	102	115	285	300	318	26052	68
SHAWNERD-LOCKPORT_115_103	103	115	199	199	199	26051	53
SHELBY76-SWEDEN__115_111	111	115	199	199	199	326393	15
SHENDOAH-EFISHKIL_115_EF	EF	115	243	267	293	26251	20
SHERMAN_-SPIERFLS_115_17	17-SS	115	141	144	159	26148	46
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	123
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	122
SHOEMAKR_138_69__BK 711	BK 711	138	212	281	319	26694	78
SHOEMAKR_138_69__BK 811	BK 811	138	193	225	253	326024	95
SHOEMAKR-CHESTROR_138_27	27	69	282	309	321	26466	59
SHOEMAKR-HARTLYRD_69__24	24	69	83	90	94	26690	12
SHOEMAKR-MONGAUP__69__12	12	69	66	76	84	26693	7
SHOEMAKR-MONGAUP__69__13_131	13_131	69	66	76	84	26467	5
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	329
SHORE_RD_345_138_BK 1	BK 1	345	487	534	641	25439	291

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SHORE_RD_345_138_BK 2	BK 2	345	487	534	641	25440	290
SHORE_RD-GLENWOOD_138_365	365	138	343	380	418	25205	103
SHORE_RD-GLENWOOD_138_366	366	138	363	425	474	25154	32
SHORE_RD-LAKSUCSS_138_367	367	138	248	363	620	25145	222
SHORE_RD-LAKSUCSS_138_368	368	138	249	365	622	25150	222
SHOREHAM-MILLERPL_138_879	879	138	526	588	666	25117	26
SHOREHAM-WILDWOOD_138_863	863	138	519	580	657	25115	145
SHOREHAM-WILDWOOD_138_867	867	138	528	590	668	25114	143
SHOREHM_-WILDWOOD_69_891	891	69	274	285	285	26570	51
SIDNEYRR-DELHI___115_949	949	115	117	120	120	326184	40
SLEIGHT__115_34__BK 1	BK 1	115	43	51	67	70523	24
SLEIGHT__115_34__BK 2	BK 2	115	43	51	67	70524	28
SLEIGHT_-CLYDE___115_3-971	971(3)	115	143	143	143	26686	11
SMAHWAH__345_138_BK 258	258	345	441	516	559	25393	160
SMAHWAH_-RAMAPO__345_69	69	345	1601	2010	2268	25021	323
SMAHWAH_-RAMAPO__345_70	70	345	1822	2010	2552	25259	274
SMITHBRD-WEIBELAV_115_2	2	115	282	288	318	325903	15
SMITHBRD-WEIBELAV_115_302	302	115	268	292	317	325904	19
SMITHFLD-SALISBRY_69_690/FV	690	69	31	31	31	25619	4
SMITHTWN-FLOWRFLD_69_879	879	69	164	176	195	26609	38
SOUTHADOW-CARRSCRN_115_153	153	115	156	170	181	326162	19
SOUTHADOW-CARRSCRN_115_154	154	115	156	170	181	326164	10
SOUTHOLD-BUELL___69_958	958	69	125	140	195	26626	48
SPENCPRT-STA_113__115_947	947	115	143	151	161	326080	65
SPERRY__-NRTHILLS_69_367	367	69	120	137	149	26572	11
SPIERFLS-BUTLER___115_4	4-SFB	115	128	135	152	26136	28

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	27
SPIERFLS-MOHICAN_115_7	7	115	141	144	165	26435	23
SPIERFLS-QUENSBRY_115_5	5-SFQ	115	141	145	165	26141	51
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	48
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	36
SPRAINBROOK - SPRNBR49	R49REAC	345	755	978	1423	26725	635
SPRINGVL-ARCADE__115_151	151	115	156	171	182	326167	17
SPRINGVL-MACHIAS_115_152	152	115	156	171	182	326171	8
SPRNBRK__345_138_BK N7	BK N7	345	382	451	472	25628	229
SPRNBRK__345_138_BK S6	BK S6	345	382	451	472	25625	231
SPRNBRK_-ACADEMY_345_M29	M29	345	536	775	1369	325756	301
SPRNBRK_-DUNWODIE_138_99941	99941	138	385	464	464	25245	231
SPRNBRK_-DUNWODIE_138_99942	99942	138	409	438	464	25246	228
SPRNBRK_-DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	617
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	635
SPRNBRK_-TREMONT__345_X28	X28	345	542	725	1220	25175	402
SPRNBRK_-W49TH_ST_345_M51	M51	345	799	956	1543	25053	536
SPRNBRK_-W49TH_ST_345_M52	M52	345	799	956	1543	25223	536
STA_1185-STA_180_-115_907	907	115	77	95	111	326235	16
STA_128_-STA_82__115_906	906	115	155	171	181	26303	24
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	45
STA_135_-STA_230__115_929	929	115	282	298	313	325839	66
STA_158_-STA_128__115_924	924	115	155	171	181	26654	22
STA_162_-S.PERRY__115_906- 7X	906-7X	115	143	157	167	25062	25
STA_162_-STA_1185_115_907	907	115	121	149	174	325254	28
STA_162_-STA_158__115_924	924	115	155	171	181	26653	4

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
STA_204__115_34__BK 1	BK 1	115	56	67	112	70539	34
STA_204__115_34__BK 2	BK 2	115	56	67	112	70540	38
STA_204__S124____115_911	911	115	272	280	306	26307	113
STA_23__S42____115_920	920	115	92	111	137	70027	9
STA_23__STA_262__115_944	944	115	400	538	640	70028	117
STA_230__QUAKERRD_115_929	929	115	282	298	313	325840	53
STA_251__MORTIMER_115_901	901	115	222	234	278	25097	149
STA_251__STA_33__115_942	942	115	245	261	283	326100	40
STA_251__STA_33__115_943	943	115	225	251	283	326101	175
STA_33__115_34__BK10	BK 1_2	115	74	80	90	70541	68
STA_37__115_34__BK 8	BK 8	115	50	59	100	70542	44
STA_37__STA_48__115_926	926	115	351	373	414	26314	97
STA_37__STA_48__34__716	716	34	43	45	48	26315	17
STA_37__STA_67__115_926	926	115	250	280	300	26313	141
STA_418__STA_113__115_917	917_910	115	155	171	181	326069	76
STA_48__115_34__BK 6	BK 6	115	60	71	73	70544	35
STA_48__115_34__BK 9	BK 9	115	67	74	112	70543	33
STA_56__QUAKERRD_115_23	23	115	176	180	180	26288	85
STA_56__STA_82__115_23	43154	115	176	181	209	26287	43
STA_67__ROCHESRG_115_922	922	115	343	391	416	26321	190
STA_67__STA_418__115_910	910	115	225	239	239	326048	123
STA_67__STA_82__115_903	903	115	343	416	433	26322	133
STA_69__STA_71__115_945	945	115	129	145	161	326238	15
STA_69__STA_93__115_917	917	115	151	167	175	326237	23
STA_7__STA_48__115_919	919	115	282	299	314	26302	70
STA_7__STA_48__115_927	927	115	304	335	349	326039	74

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
STA_7__-STA_93__115_917	917	115	143	149	159	26301	30
STA_70__-SPENCPR1_115_947	947	115	143	151	161	326343	56
STA_71__-STA_70__115_946	946	115	143	151	161	326342	20
STA_82__-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	143
STA_82__-ROCHESRG_115_904	904	115	608	657	657	25081	293
STA_82__-ROCHESRG_115_905	905	115	608	657	657	26305	278
STA_82__-STA_251__115_902	902	115	225	239	239	70058	40
STA_82__-STA_48__115_916	916	115	373	373	373	326055	128
STATE_ST-WRGHTAVE_115_976	976	115	231	239	239	26200	19
STERLING_138_69_BK 3	BK 3	138	237	320	408	26524	143
STERLING-LINDHRST_69__752	752	69	96	106	111	26529	47
STERLING-RULAND__138_663	663	138	237	320	408	26498	143
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	32
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	333	378	420	25461	26
STOLLERD_345_115_BK 4	BK 4	345	341	390	420	25462	26
STOLLERD-HISHELDN_230_67	67	230	506	556	603	25064	51
STONBROK-PORTJEFF_69__877	877	69	132	146	156	326336	88
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	61
STONER__-ROTRDAM_115_12	12-SR	115	121	121	121	25680	23
STONYRDG_230_115_BK1	BK1	230	291	336	336	325811	71
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	18
STRLFRST-LAKRD_OR_69_98	98	69	141	154	160	326300	35
STURGNPL_115_69_BK8	TR 8	115	120	141	153	326293	16
STURGNPL-BOULEVRD_69__N	N	69	54	56	63	26211	6

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
STURGNPL-DASHVILLE_69__O	O	69	54	56	63	26246	5
STURGNPL-OHIOVILLE_115_OR	OR	115	223	234	242	326294	31
STWMANOR-LAKSUCSS_69__366	366	69	88	100	106	26585	28
SUGARISL-COLTON__115_4	4	115	222	234	278	26084	21
SUGRLOAF_138_69__BK 6108	BK 6108	115	189	222	250	26333	75
SUGRLOAF_345_138_BK1112	BK1112	345	425	451	475	326220	181
SUGRLOAF_69__138_BK 7108	BK 7108	138	192	226	253	25891	64
SUGRLOAF-SGOSHEN__69__241	24	69	83	90	94	325306	4
SUGRLOAF-STRLFRST_138_261	26	138	314	343	356	25326	76
SUGRLOAF-WISNER__69__993	993	69	141	154	160	26696	28
SULLVNP-K-STONYRDG_115_712	712	115	277	320	320	325809	70
SUMMIT97-WALCK_RD_115_129	129	115	239	317	317	326289	92
SUNY_BUF-GARDNVLB_230_79	79-1	230	691	760	790	25165	248
SUNY_BUF-GARDNVLB_230_80	80-1	230	691	760	810	25196	243
SWAGRTWN-TAPBLSTN_115_1	1	115	331	364	404	325895	94
SWAGRTWN-TAPBROOK_115_2	2	115	282	288	318	325894	112
SWANROAD-SHAWNERD_115_103	103	115	211	217	242	326181	62
SWEDEN__-BROCKP74_115_111	111	115	129	149	153	326130	34
SWEDEN__-BROCKP74_115_113	113	115	174	191	204	326132	34
SWEDEN__-MORTIMER_115_111	111	115	129	149	153	25347	20
SWEDEN__-MORTIMER_115_113	113	115	129	149	153	25348	28
SWEDEN__-SHELBY76_115_113	113	115	174	191	204	326131	13
SWETH224-GETZVL60_115_36	36	115	211	217	255	326365	13
SWETH224-GETZVL60_115_37	37	115	211	217	255	326366	14
SYLVANK-PAWLING__115_990	990	115	239	239	239	26156	106
SYOSSET__138_69__BK 5	BK 5	138	258	304	338	26565	101

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
SYOSSET__ WOODBURY_69_555	555	69	132	146	156	26567	46
SYOSSET_-LOCUSTGR_138_559	559	138	519	579	656	25904	221
SYOSSET_-OYSTERBY_69_533	533	69	164	176	195	326067	41
TALLMAN_-MONSEY__138_602	602	138	456	478	500	325609	180
TAPBLSTN-TAPBROOK_115_302	302	115	268	293	317	325898	4
TAYLORVL-BULYMO__115_6	6	115	128	135	145	26070	52
TAYLORVL-LOWVILLE_115_5	5-TL	115	128	135	152	26107	59
TEALLAVE-ASH_____115_7-TA	7-TA	115	123	148	148	26063	42
TEALLAVE-ASH_____115_8-AT	8-AT	115	123	148	148	26117	42
TEALLAVE-BM_CC_GM_115_6	6	115	227	239	239	26154	54
TEALLAVE-CURTIS__115_13	13	115	219	219	219	326066	8
TEALLAVE-ONEIDA__115_2	2-OT	115	141	144	159	25895	37
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	48
TELGRAPH_115_34_114_BK 2	BK 2	115	66	79	79	26509	19
TELGRAPH_115_34_115_BK 1	BK 1	115	66	79	79	26013	20
TELGRAPH-N.AKRON__115_107	107	115	231	231	231	26508	14
TELGRAPH-SHELBY76_115_114	114	115	129	149	153	25349	7
TEMPLE__-PEAT ST__115_10	10-TP	115	145	176	179	26715	56
TERMINAL-PORTER__115_6	6	115	243	249	297	326140	46
TERMINAL-SCHUYLER_115_7	7	115	141	144	165	326141	13
TIANA__-CANAL____69_966	966	69	115	115	115	26618	15
TIANA__-RIVRHEAD_69_961	961	69	115	115	115	26616	32
TIANA__-RIVRHEAD_69_962	962	69	115	115	115	26617	32
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	71	71	71	26470	14
TILDEN__-DEWITT__115_19	19-TD	115	222	234	239	26092	101
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	17

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
TNWDA206-OAKWD232_115_36	36	115	176	181	209	326368	60
TNWDA206-OAKWD232_115_37	37	115	176	181	209	326371	63
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	13
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
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	99
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	101
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	13
UNION_CH-BETHLMRD_115_UB	UB	115	171	188	202	326345	19
UNIONVAL-CROTONFL_115_991	991	115	261	287	311	326417	48
URBAN154-DALEROAD_115_39	39	115	211	217	255	326152	50
URBAN154-NEWWALDN_115_38	38	115	211	217	255	326151	52
VALKIN__-FT._ORAN_115_15	15	115	227	248	268	325685	92
VALLEY__-FAIRFIEL_115_12	12	115	141	144	165	325743	54
VALLYSTR_138A_138B_PAR	B_PAR	138	350	368	441	25607	100
VALLYSTR-BARRETT__138_291	291	138	199	282	454	25312	123
VALLYSTR-BARRETT__138_292	292	138	196	281	394	25313	139
VALLYSTR-EGRDNCTY_138_262	262	138	187	274	411	25244	137
VERNON__138A_138B_PAR R1	PAR R1	138	435	508	600	325712	95
VERNON__-GREENWD__138_31231	31231	138	195	249	310	25337	99
VERNON__-KENTAVE__138_31232	31232-1	138	195	249	310	26123	38
VINGR_TP-VINEGAR__115_917 TAP	917 TAP	115	149	172	215	26455	3
VOLNEY__-CLAY____345_6	6	345	1431	1605	1881	25198	809



EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
VOLNEY_-MARCY___345_19	19	345	1434	1793	2297	25345	575
VRNON VT-FITZWILL_345_379	379	345	896	896	896	26388	44
VT YANK_-VRNON VT_345_3340	3340	345	1266	1266	1434	25717	30
W.BABYLN-BRGHTWTR_69__766_771	766_771	69	142	154	195	26538	4
W.NYACK__138_69__BK 221	BK 221	138	212	281	319	26334	85
W.NYACK_-CEDAR_OR_69__551	551	69	139	152	158	326217	29
W.NYACK_-SNKEHLRD_138_562	563	138	212	281	317	325906	85
W_ERIAVE-SULLVNPk_115_711	711	115	299	327	360	325808	50
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	135
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	125
WADNGRIV-NSHORBCH_138_878	878	138	566	601	683	325642	15
WADNGRIV-SHOREHAM_138_891	891	138	524	585	662	25342	15
WALCK_RD-BUFALO78_115_133	133	115	239	317	317	26153	153
WALDEN__WALDN_A2_115_BK 1	BK 1	115	44	44	51	25429	16
WALDENNG-GARDNVLB_115_182	182	115	211	217	240	26015	56
WALDENNG-INGCALTN_115_54-921	54-921	115	227	249	268	26024	21
WALDWICK_345_230_BK1	BK1	345	622	763	850	25479	147
WALDWICK_345_230_BK2	BK2	345	630	768	841	25480	147
WALDWICK_345_230_BK3	BK3	345	690	852	952	25481	142
WALDWICK-SMAHWAH__345_J3410	J3410	345	743	1094	1974	25032	163
WALDWICK-SMAHWAH__345_K3411	K3411	345	746	1093	1975	25039	273
WALESVIL-CAVANARD_115_7	7	115	141	144	159	325213	41
WARNSBRG-SCOFLDRD_115_10	10	115	119	119	119	326148	41
WARREN__FALCONER_115_171	171	115	131	131	141	25015	43
WATKINRD-INGHAM_C_115_2	2-WI	115	141	144	159	25805	65
WATRCURE_345_230_BK 1	BK 1	345	494	590	600	25402	219
WATRCURE-OAKDALE__230_71	71	230	318	435	440	25179	21

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
WATRCURE-OAKDALE__345_31	31	345	1076	1076	1076	25178	209
WATSON__-BAYPORT__69__774_779	774_779	69	96	106	111	26557	15
WATSON__-SAYVILLE_69__780	780	69	96	106	111	26554	5
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	33
WEST BUS-SILLSRD__138_873	873	138	571	613	678	325618	13
WETHSRFD-S.PERRY__230_85	85	230	506	556	603	325623	72
WETZEL__-CLAY____115_7	7-CL	115	268	293	317	326207	7
WHAVSTOR-LOVETT__138_53	53	138	282	309	321	25884	7
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	18
WHAVSTRW_345_138_BK 194	BK 194	345	451	546	619	25447	235
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	15
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	38
WHITESIDE-VALLYSTR_69__262	262	69	96	106	111	26592	33
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	53
WILDWOOD_138_69__BK 4	BK 4	138	258	304	338	26550	72
WILDWOOD-RIVRHEAD_138_890	890	138	375	397	440	25905	150
WILDWOOD-RIVRHEAD_69__955	955	69	164	176	195	26619	53
WILLET__-ENORWICH_115_945	945-1	115	133	149	162	25732	59
WILLIS__230_115_AT1	BK 1	230	167	195	218	25388	29
WILLIS__230_115_AT2	BK 2	230	167	195	218	25390	29
WILLIS__-CHAT_TAP_115_1(911)	1(911)	115	173	191	205	26204	3
WILLIS__-PATNODE__230_WPN-1	WPN-1	230	530	582	612	325565	38
WILLIS__-RYAN____230_WRY-2	WRY-2	230	478	478	591	325566	41
WILLWBRK-FRESHKLS_138_29211	29211-2	138	207	275	450	25319	135
WILLWBRK-FRESHKLS_138_29212	29212-2	138	207	275	450	25320	147
WISNER__-HUNT____69_991	991	69	141	154	160	326284	4
WOLF_RD_-EVERETRD_115_10	10	115	140	140	140	26255	89

EQUIPMENT NAME	LINE ID	KV	NOR	LTE	STE	PTID	MW FLOW
WOLFHILL-GREENLWN_69__667	667	69	164	176	195	26558	19
WOOD_ST__345_115_BK 1	BK 1	345	350	400	420	25437	120
WOOD_ST__345_115_BK 2	BK 2	345	358	412	420	25438	108
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	594
WOOD_ST_-MILLWOOD_345_W81	W81	345	1976	2387	2895	25525	671
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	2409	2679	3406	25358	857
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	816
WOODARD_-ELBRIDGE_115_4	4	115	190	208	221	325316	64
WOODBURY_PLAINVIE_69_483	483	69	121	156	195	325975	22
WOODLAWN-RUTHROAD_115_12	12	115	222	234	268	26490	28
WOODMERE-VALLYSTR_69__261	261	69	120	136	143	325285	40
WOODSTNY-AMAWALK__115_996	996	115	261	287	311	25574	74
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	31
WTRVLARS-GERENSLR_115_31	31	115	156	170	181	26423	74
WWDBURNY_115_69__BK 1	BK 1	115	50	50	50	25404	21
WYNTKLNLM-REYNOLDS_115_13-988	13-WR	115	227	248	268	26143	93
YAHNUNDA-DEBALSO__115_3	3	115	152	159	159	26515	54
YAWGERRD-RIDGE_RD_115_963	963	115	271	279	307	326312	41
YOUNG214-HUNTLEY__115_133	133	115	211	217	242	26042	117
YOUNG214-SWETH224_115_36	36	115	211	217	255	326364	2

## Appendix E – INTERFACE DEFINITIONS

### NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

<b>DYSINGER EAST</b>		
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

<b>SPRAIN BROOK-DUNWOODIE SOUTH</b>		
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 <sup>th</sup> Street	M51	345
*Sprain Brook-West 49 <sup>th</sup> Street	M52	345
*Sprain Brook-Academy	M29	345
*Dunwoodie-Sherman Creek	99031	138
*Dunwoodie-Sherman Creek	99032	138
*Dunwoodie-East 179 <sup>th</sup> 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

<b>MOSES SOUTH</b>		
North (Zone D) – Mohawk Valley (Zone E)		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
*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

<b>UPNY-CONED</b>		
Hudson Valley (Zone G) – Millwood (Zone H)		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
*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

<b>CENTRAL EAST</b>		
Mohawk Valley (Zone E) – Capital (Zone F)		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
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

<b>TOTAL EAST</b>		
<b>Mohawk Valley (Zone E) – Capital (Zone F)</b>		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
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
<b>Mohawk Valley (Zone E) – Hudson Valley (Zone G)</b>		
Middletown-Rock Tavern*	CCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
<b>North (Zone D) – ISONE (Zone N)</b>		
*Plattsburgh-Sand Bar	PV20	115
<b>PJM East (Zone P) – Hudson Valley (Zone G)</b>		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
<b>PJM East (Zone P) – NYC (Zone J)</b>		
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
<b>PJM (Rockland Electric) – Hudson Valley (Zone G)</b>		
*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

<b>CONED - LIPA</b>		
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

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

<b>IESO (Ontario)-NYISO</b>		
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

<b>PJM-NYISO</b>		
PJM East (Zone P) – NYC (Zone J)		
<b>Name</b>	<b>Line ID</b>	<b>Voltage (kV)</b>
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West – Central (Zone C)		
*Mainesburg-Watercure	30	345
*Mainesburg-Mainesburg NY	47	345
*Homer City-Homer City NY	47	345
E. Towanda-Hillside*	70	230
Laurel Lake-Goudey*	952	115
*E. Sayre-N. Waverly	956	115
PJM West – West (Zone A)		
*Pierce Brook-Five Mile Road	37	345
*Pierce Brook-Pierce Brook NY	48	345
*Homer City-Homer City NY	48	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*Cresskill-Sparkill	751	69
*Harings Corners- W. Nyack	701	69
*Harings Corners-Corporate Drive	703	138
*Montvale-Bluehill	44	69
*Montvale-Bluehill	43	69
*Montvale-Pearl River	491	69
*Harings Corners- Pearl River	45	34
*S. Mahwah-Ramapo	51	138
*S. Mahwah-Hilburn	65	69
S. Mahwah 138*/345	BK258	138/345

\* indicates the metered end of the circuit



## Appendix F – ANNOTATED TARA OUTPUT

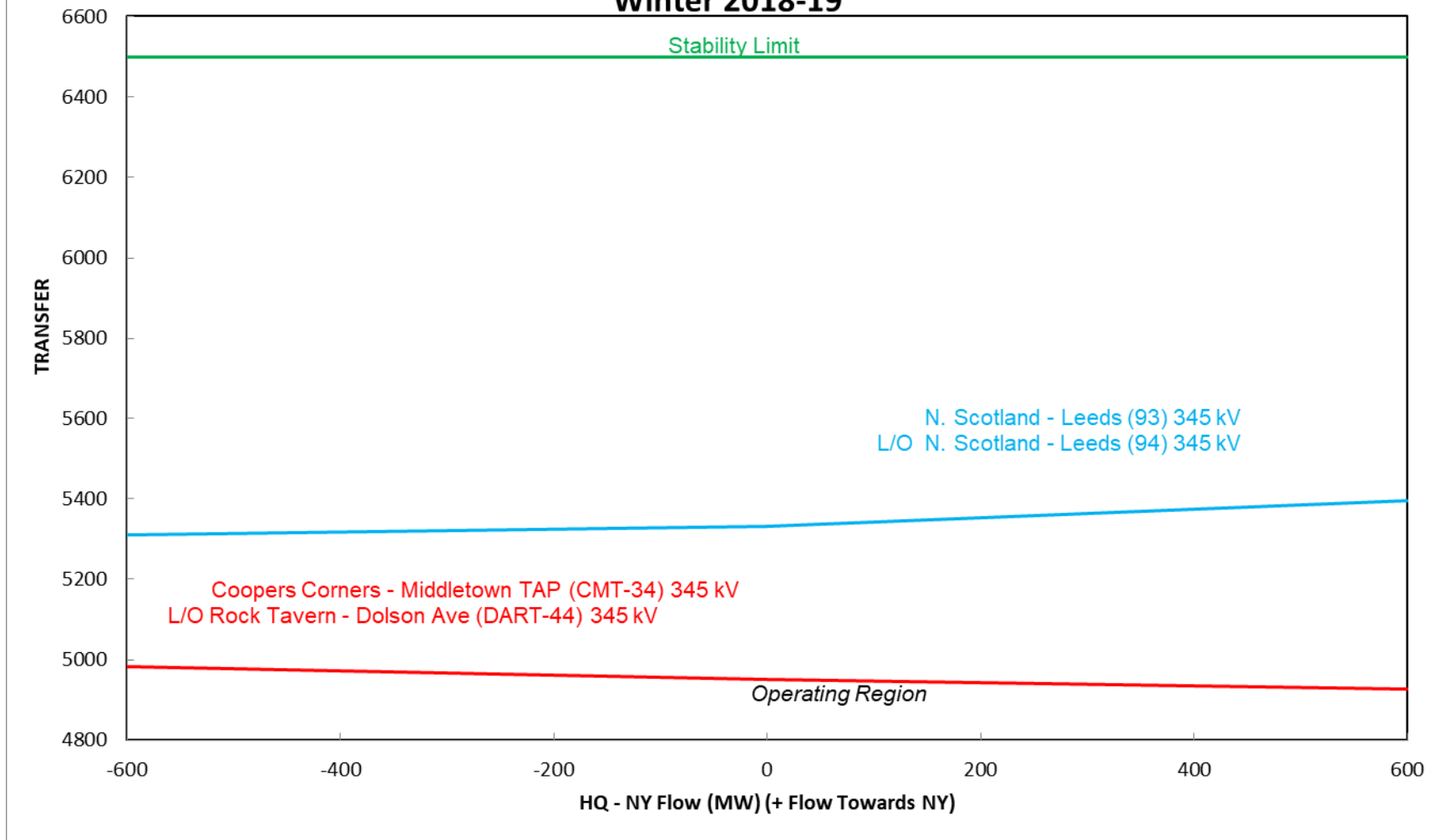
**This Section Is Available Electronically If Requested**

## Appendix G – TRANSFER LIMIT SENSITIVITY GRAPHS

### INDEX

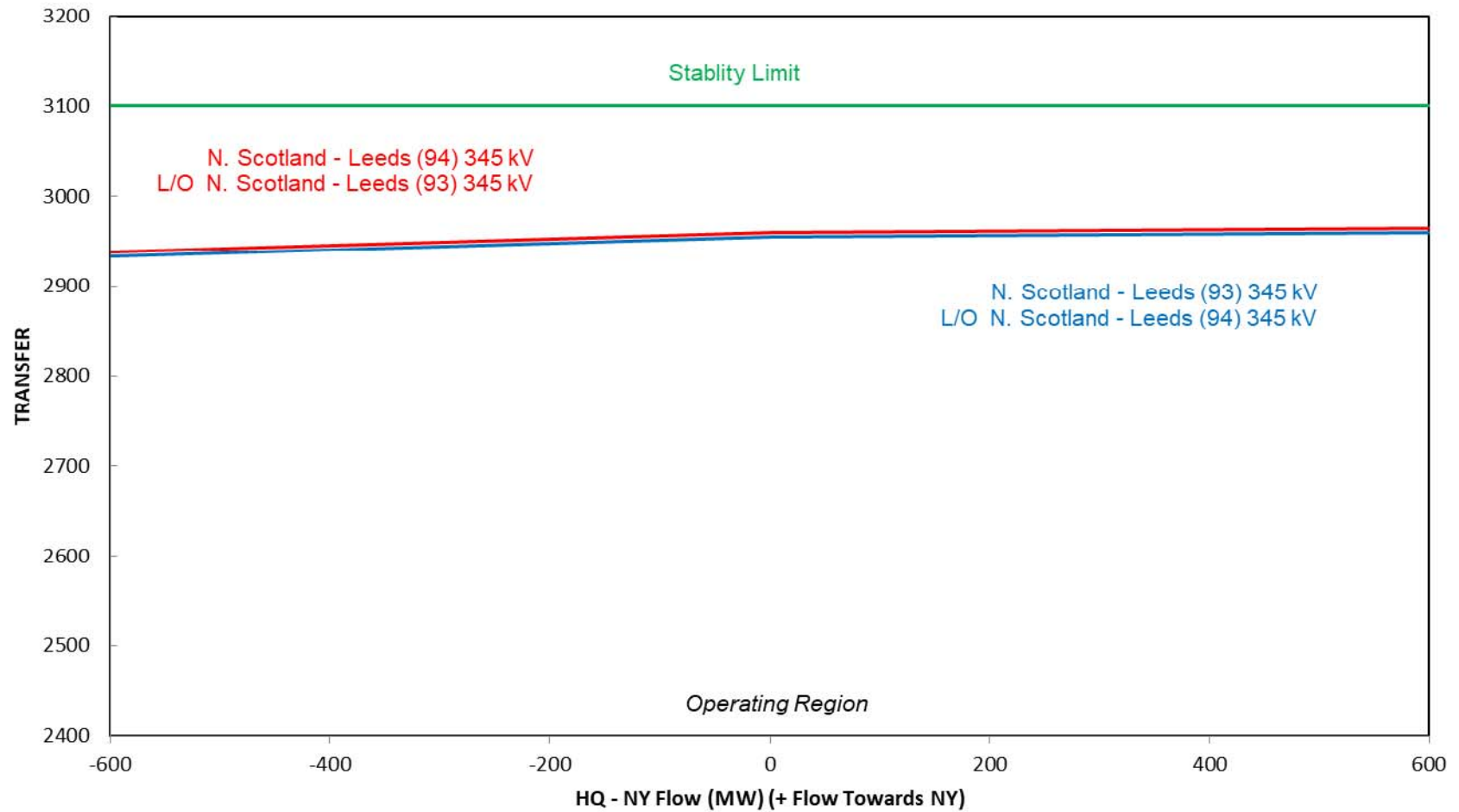
1. Total East vs. HQ-NY	.....	G-1
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## Total East vs. HQ Export to New York For Normal Transfer Criteria Winter 2018-19



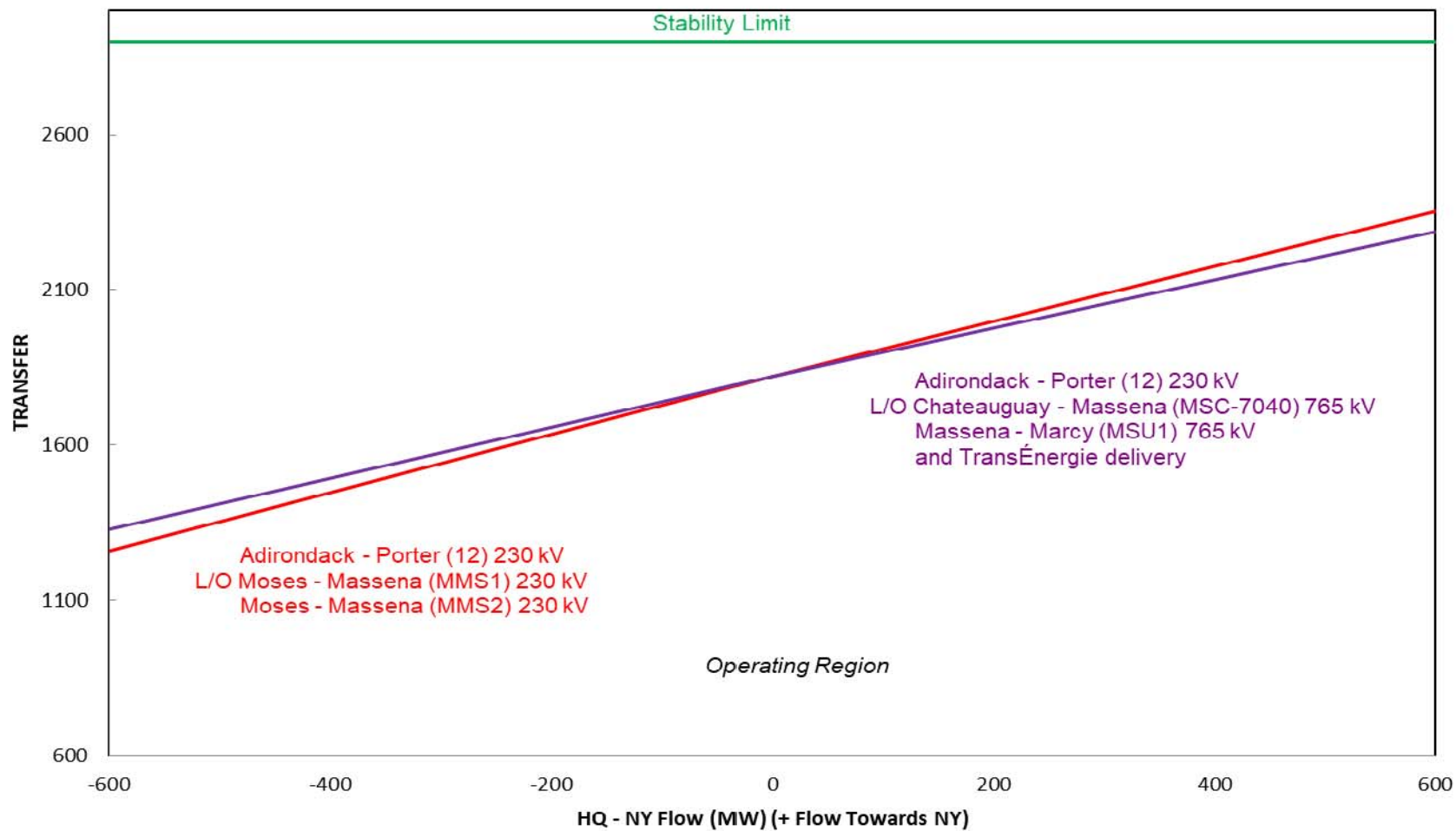
G-1

## Central East vs. HQ Export to New York For Normal Transfer Criteria Winter 2018-19



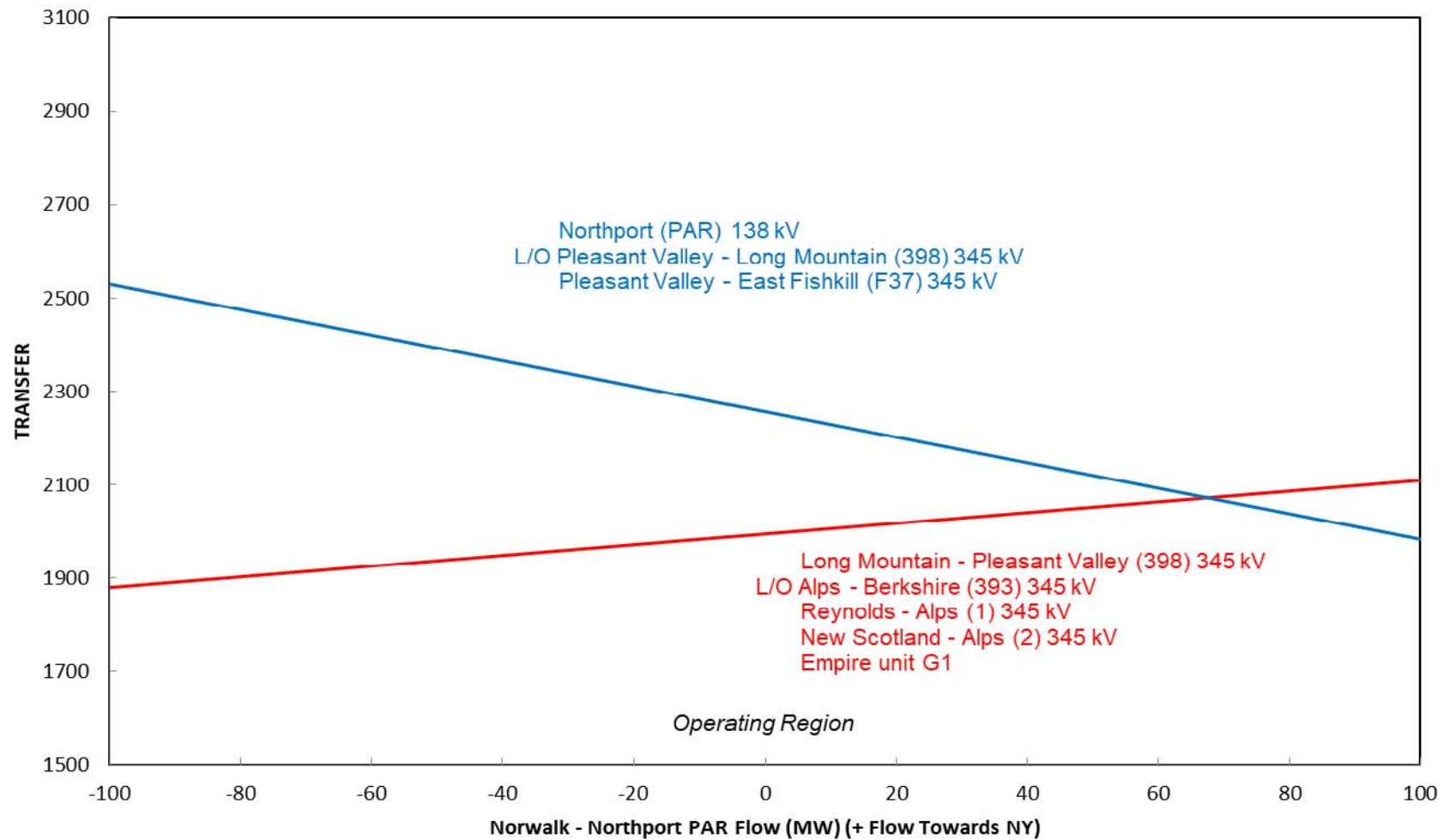
G-2

## Moses South vs. HQ Export to New York For Normal Transfer Criteria Winter 2018-19



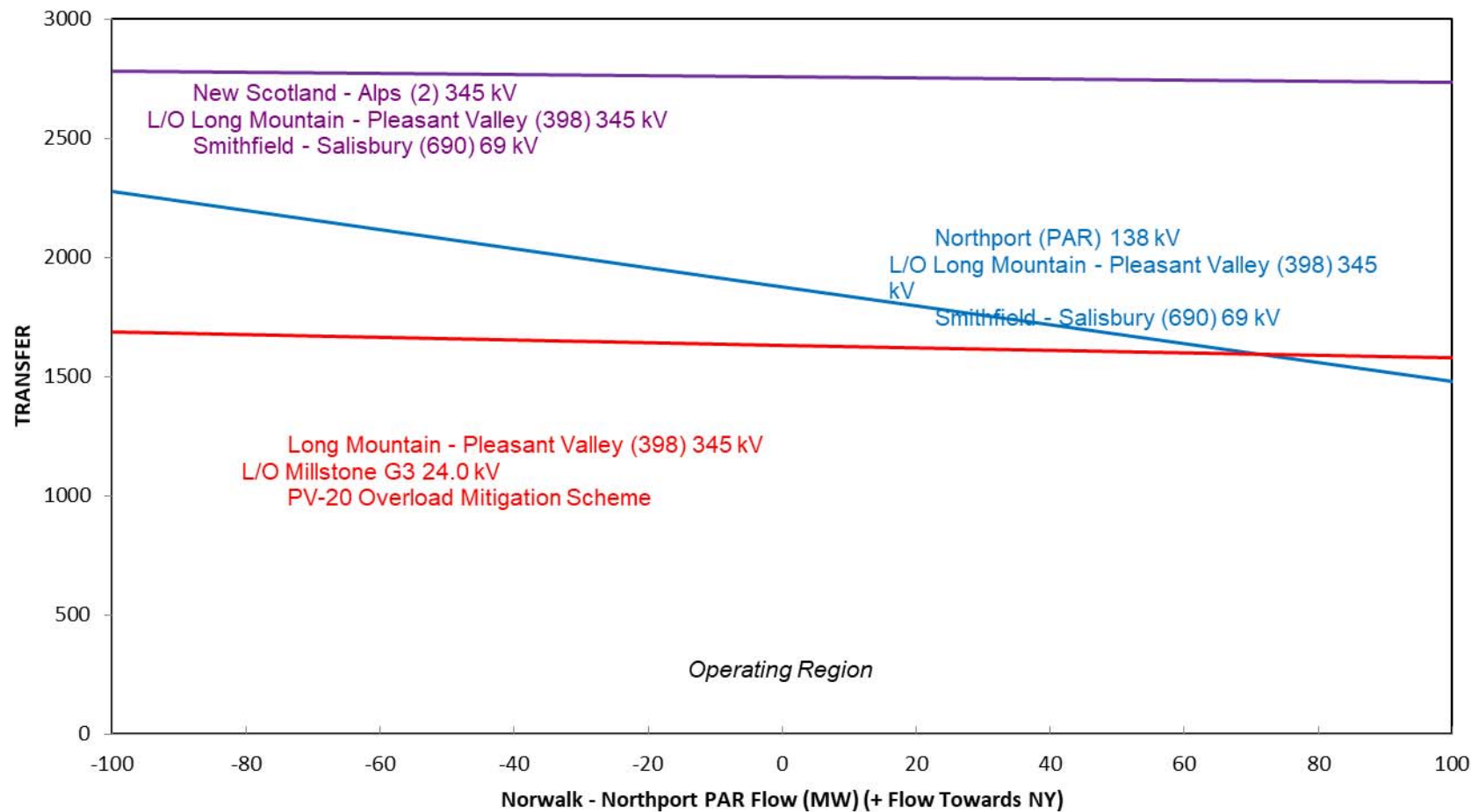
G-3

**NE-NY vs. NORWALK-NORTHPORT PAR Flow**  
**For Normal Transfer Criteria**  
**Winter 2018-19**



G-4

## NY-NE vs. NORWALK-NORTHPORT PAR Flow For Normal Transfer Criteria Winter 2018-19



G-5

## Appendix H – COMPARISON OF TRANSFER LIMITS WINTER 2018-19 VS. 2017-18

### Comparison of Winter 2018-19 to Winter 2017-18 Thermal Limits

Interface		WINTER 2018-19		WINTER 2017-18		Delta
		Limit (MW)	Contingency	Limit (MW)	Contingency	
<b>Dysinger East</b>	Normal	1975	1	2375	1	-400
	Emergency	2700	2	2950	2	-250
<b>UPNY - ConEd</b>	Normal	5300	3	5700	3	-400
	Emergency	5375	4	5900	12	-525
<b>Sprain Brook Dunwoodie- South</b>	Normal	4150	5	4000	5	150
	Emergency	4350	6	4125	6	225
<b>Con Ed - LIPA</b>	Normal	975	7	950	7	25
	Emergency	1650	8	1650	8	0
<b>Central East</b>	<b>MSC-7040 FLOW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	
	Normal	2950	9	2775	9	175
	Emergency	3325	10	3150	10	175
	<b>MSC-7040 FLOW</b>		<b>0 MW</b>		<b>0 MW</b>	
	Normal	2950	9	2775	9	175
	Emergency	3300	10	3150	10	150
	<b>MSC-7040 FLOW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	
	Normal	2925	9	2775	9	150
	Emergency	3275	10	3150	10	125
<b>Total East<sup>3</sup></b>	<b>MSC-7040 FLOW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	
	Normal	4975	18	5450	11	475
	Emergency	4975	4	5450	12	475
	<b>MSC-7040 FLOW</b>		<b>0 MW</b>	<b>5425</b>	<b>0 MW</b>	
	Normal	4950	18	5450	11	500
	Emergency	4950	4	5450	12	500
	<b>MSC-7040 FLOW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	
	Normal	4925	18	5450	11	525
	Emergency	4925	4	5450	12	525
<b>Moses - South</b>	<b>MSC-7040 FLOW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	<b>HQ -&gt; NY</b>	<b>600 MW</b>	
	Normal	2275	13	2275	13	0
	Emergency	3100	14	3050	14	0
	<b>MSC-7040 FLOW</b>		<b>0 MW</b>		<b>0 MW</b>	
	Normal	1825	15	1825	15	0
	Emergency	2525	16	2500	17	25

<sup>3</sup> Limits in this report do not include Neptune in the Total East Interface.



<b>MSC-7040 FLOW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	<b>NY -&gt; HQ</b>	<b>600 MW</b>	
Normal	1100	19	1300	15	-200
Emergency	1800	16	1775	16	25

**NYISO WINTER 2018-19 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST**

	<b>Limiting Element</b>				<b>Contingency</b>
(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 Transformer	@STE	288 MW	L/O	Niagara – Robinson Rd. (64) 230 kV
(3)	Leeds – Pleasant Valley (92) 345kV	@LTE	1783 MW	L/O	Athens – Pleasant Valley (91) 345kV
(4)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Rock Tavern – Dolson Ave (DART-44) 345 kV
(5)	Dunwoodie – Mott Haven (71) 345kV	@SCUC	1083 MW	L/O	Dunwoodie – Mott Haven (72) 345kV
(6)	Dunwoodie – Mott Haven (71) 345kV	@NORM	741 MW		Pre – Contingency Loading
(7)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE	977 MW	L/O	Sprain Brook – E.G.C. (Y49) 345kV Sprain Brook – Academy (M29) 345 kV
(8)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	741 MW		Pre – Contingency Loading
(9)	New Scotland – Leeds (93) 345kV	@LTE	1692 MW	L/O	New Scotland – Leeds (94) 345kV
(10)	New Scotland – Leeds (93) 345kV	@STE	1912 MW	L/O	New Scotland – Leeds (94) 345kV
(11)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@LTE	1793 MW	L/O	Coopers Corners – Dolson Ave (CCDA42) 345 kV Coopers Corners 345/115 kV Transformer
(12)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Coopers Corners – Dolson Ave (CCDA42) 345 kV
(13)	Adirondack – Porter (AP12) 230 kV	@LTE	478 MW	L/O	Chateauguay – 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)	Browns Falls – Taylorville (4) 115 kV	@STE	152 MW	L/O	Moses 230kV Bus Tie

(18)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@LTE      1793 MW    L/O	Rock Tavern – Dolson Ave (DART-44) 345 kV
(19)	Moses – St_Lawrence (L34P) 230 kV	@LTE      490 MW      L/O	Chateauguay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery

## Appendix I – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS										
Monitored Element			Base Flow	TRANSFER	NIAGAR-ROCH	SOMMERSET-ROCH	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR	NIAGAR-ROCH
NIAG 345	345 ROCH 345	345 1	203.59	35.37%	TRIP	53.75%	20.40%	19.56%	21.55%	TRIP
SOMERSET345	345 ROCH 345	345 1	391.49	24.12%	44.22%	TRIP	13.91%	13.34%	14.70%	O/S
STOLE230	230 SHLDN230	230 1	61.7	11.23%	8.13%	6.74%	TRIP	6.66%	7.34%	14.57%
LOCKPORT	115 SHEL-113	115 1	40.04	2.61%	4.17%	3.45%	3.56%	TRIP	14.90%	7.47%
LOCKPORT	115 SOUR-111	115 1	34.06	2.65%	4.22%	3.50%	3.61%	13.72%	TRIP	7.57%
LOCKPORT	115 NAKR-108	115 1	30.75	0.94%	1.49%	1.24%	1.28%	3.46%	3.73%	2.68%
LOCKPORT	115 OAKFLDTP	115 1	32.2	1.09%	1.74%	1.45%	1.49%	4.03%	4.36%	3.13%
LOCKPORT	115 TELRD107	115 1	50.17	1.27%	2.02%	1.68%	1.73%	6.28%	6.19%	3.62%
LOCKPORT	115 TELRD114	115 1	45.17	2.60%	4.15%	3.44%	3.55%	18.47%	11.29%	7.43%
PALMT115	115 ANDOVER1	115 1	-15.16	1.21%	0.97%	0.80%	9.77%	0.81%	0.89%	1.73%
<b>SUB-TOTALS</b>				<b>83.08%</b>	<b>71.10%</b>	<b>76.04%</b>	<b>59.30%</b>	<b>86.32%</b>	<b>84.94%</b>	<b>48.19%</b>
L33P-L34P			-1.65	0.00%	9.30%	7.71%	6.83%	3.39%	3.73%	16.67%
PJM-NYISO			999.18	16.93%	19.60%	16.25%	33.87%	10.29%	11.33%	35.14%
<b>TOTALS</b>				<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitored Element				Base Flow	TRANSFER	CLAY-PANNELL	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH	PANNEL-CLAY
CLAY	345	PANNELL3	345 1	-111.94	29.84%	TRIP	7.36%	20.56%	19.93%	O/S
CLAY	345	PANNELL3	345 2	-112.28	29.94%	57.16%	7.38%	20.63%	20.00%	TRIP
STOLE230	230	SHLDN230	230 1	61.7	11.23%	2.52%	TRIP	7.41%	2.00%	5.87%
FRMGTN-4	115	PANNELLI	115 1	119.2	3.12%	6.18%	6.51%	TRIP	16.08%	14.41%
LAWLER-1	115	MORTIMER	115 1	48.93	2.52%	2.67%	0.75%	14.14%	4.40%	6.22%
MACDN115	115	QUAKER	115 1	31.05	0.33%	0.51%	0.29%	3.30%	18.74%	1.19%
MORTIMER	115	LAWLER-2	115 1	39.29	2.58%	2.89%	0.64%	5.88%	4.84%	6.75%
SLEIG115	115	S121 B#2	115 1	57.13	2.72%	4.02%	1.18%	10.81%	TRIP	9.39%
PALMT115	115	ANDOVER1	115 1	-15.16	1.21%	0.17%	9.77%	2.11%	0.39%	0.40%
S.PER115	115	STA 162	115 1	28.66	-0.41%	2.38%	25.42%	4.65%	2.49%	5.56%
<b>SUB-TOTALS</b>					<b>83.07%</b>	<b>78.49%</b>	<b>59.30%</b>	<b>89.49%</b>	<b>88.87%</b>	<b>49.79%</b>
L33P-L34P				-1.65	0.00%	6.92%	6.83%	2.04%	3.02%	16.16%
PJM-NYISO				999.18	16.93%	14.59%	33.87%	8.47%	8.10%	34.05%
<b>TOTALS</b>					<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>99.99%</b>	<b>100.00%</b>

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element			Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	WALDWK-SMAWA	PORTER-RTRDM	HOPATCONG-RAMPO	LINDEN-GOETH	WALDWK-SMAWA	MARION-FARGT	
COOPC345	345 DOLSON_AVE	345 2	305.8	17.00%	6.43%	17.44%	6.72%	0.32%	3.83%	4.67%	0.88%	3.42%	0.65%	
EDIC	345 N.SCOT77	345 1	550.67	18.17%	TRIP	19.05%	32.44%	0.13%	14.31%	2.69%	1.51%	1.41%	1.37%	
FRASR345	345 GILB 345	345 1	161.19	17.22%	22.86%	TRIP	23.29%	0.11%	9.69%	2.96%	2.27%	1.16%	2.12%	
N.SCOT99	345 MARCY T1	345 1	604.12	19.29%	33.89%	20.28%	TRIP	0.13%	15.02%	2.84%	1.61%	1.49%	1.46%	
ROCK TAV	345 MDTN TAP	345 1	367.43	15.00%	6.10%	16.33%	6.37%	0.38%	3.63%	3.80%	0.95%	2.63%	0.77%	
SMAHWAH1	345 WALDWICK	345 1	-168.09	-0.14%	1.07%	0.68%	1.08%	91.10%	0.63%	17.87%	7.79%	O/S	10.25%	
SMAHWAH2	345 WALDWICK	345 1	-232.35	0.14%	1.05%	0.76%	1.06%	TRIP	0.62%	17.65%	7.46%	TRIP	9.83%	
PORTER 2	230 ROTRDM.2	230 1	181.89	4.52%	5.67%	3.20%	5.70%	0.03%	TRIP	0.64%	0.38%	0.33%	0.34%	
PORTER 2	230 ROTRDM.2	230 2	182.86	4.55%	5.70%	3.22%	5.73%	0.03%	32.03%	0.65%	0.38%	0.33%	0.35%	
MDTN TAP	345 SHOEMTAP	138 1	187.97	2.79%	0.47%	1.56%	0.49%	-0.09%	0.29%	1.21%	-0.09%	1.09%	-0.16%	
SMAHWAH1	345 SMAH138	138 1	-96.35	0.41%	-0.03%	0.12%	0.02%	-3.51%	-0.01%	-0.24%	-0.44%	0.46%	-0.55%	
CORPORATE DR	138 HCOR138	138 1	-48.69	-0.02%	0.00%	-0.01%	0.00%	0.04%	0.00%	0.02%	-0.01%	0.02%	-0.01%	
RAMP138	138 SMAH138	138 1	-60.65	-0.26%	0.02%	-0.07%	0.02%	2.81%	0.01%	0.31%	0.31%	-0.25%	0.40%	
E.SPR115	115 INGHAM-E	115 1	-27.49	1.01%	-0.20%	2.52%	0.19%	0.01%	0.87%	0.17%	0.10%	0.08%	0.09%	
INGMS-CD	115 INGHAM-E	115 1	119.48	0.00%	3.69%	0.73%	3.69%	0.02%	9.31%	0.32%	0.18%	0.17%	0.16%	
NE_PV20_NY	115 PLAT T#3	115 1	107.71	0.00%	2.93%	1.74%	3.09%	0.03%	3.28%	0.61%	0.38%	0.30%	0.34%	
W.WDB115	115 W.WDBR69	69.0 1	16.82	0.45%	0.44%	1.07%	0.46%	0.00%	0.33%	0.00%	0.08%	-0.04%	0.08%	
BLUHILL	69.0 MONTVALE	69.0 1	3.36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
BLUHILL	69.0 MONTVALE	69.0 2	3.36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
HILB69	69.0 SMAH69	69.0 1	-16.59	-0.31%	-0.03%	-0.12%	0.03%	0.45%	-0.02%	-0.04%	0.05%	-0.11%	0.06%	
L491T	69.0 MONTVALE	69.0 1	-20.5	0.03%	0.01%	0.02%	0.01%	0.10%	0.01%	0.00%	0.02%	-0.02%	0.03%	
SPARKILL	69.0 CRESSKIL	69.0 1	-3.19	0.03%	0.01%	0.02%	0.01%	0.02%	0.00%	-0.01%	0.02%	-0.02%	0.02%	
WNYA69	69.0 HCOR69	69.0 1	1.39	0.11%	0.02%	0.05%	0.02%	0.09%	0.01%	-0.04%	0.05%	-0.08%	0.06%	
PEARL34	34.5 HCOR34	34.5 1	0.94	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
SUB-TOTALS					100.00%	90.11%	88.58%	90.42%	92.19%	93.85%	56.05%	23.89%	12.35%	27.65%
RAMAPO 5	500 HOPATCONG	500 1	211.88	0.00%	3.36%	3.08%	3.41%	2.66%	2.03%	TRIP	13.18%	29.51%	11.37%	
COGNTECH	345 G22_VFT345KV	345 1	314.11	0.00%	0.39%	0.49%	0.40%	0.23%	0.25%	2.75%	14.77%	2.63%	3.40%	
B3402 PAR1	345 MARION	345 1	152.87	0.00%	2.41%	3.10%	2.46%	2.08%	1.52%	15.97%	24.40%	23.42%	44.97%	
C3403 PAR2	345 MARION	345 1	150.87	0.00%	2.35%	3.03%	2.40%	2.03%	1.49%	15.60%	23.76%	22.86%	TRIP	
GOETHALS	230 LINDEN	230 1	101.57	0.00%	1.38%	1.73%	1.41%	0.82%	0.87%	9.61%	TRIP	9.23%	12.62%	
NEPTCONV	345 NWBRG	345 1	661.09	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
TOTALS					100.00%	100.00%	100.00%	100.49%	100.01%	100.00%	99.98%	100.01%	99.99%	100.01%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element				Base Flow	TRANSFER	LADNTW-BUCHS	RAMAPO-BUCHN	PLVLLY-FISHK	PLVLLY-MILLW	ROSETN-FISHK	LINDEN-GOETH
BUCHANAN N	345	RAMAPO	345 1	158.83	17.51%	39.80%	TRIP	-1.21%	5.83%	13.50%	10.37%
BUCHANAN S	345	LADENTWN	345 1	496.96	18.38%	TRIP	53.62%	-4.73%	21.05%	26.23%	14.64%
E FISHKILL	345	PLTVLLEY	345 1	80.51	5.18%	-8.85%	-3.06%	TRIP	21.09%	35.72%	-0.28%
E FISHKILL	345	PLTVLLEY	345 2	80.51	5.18%	-8.85%	-3.06%	68.40%	21.09%	35.72%	-0.28%
MILLWOOD	345	PLTVLLEY	345 1	671.12	19.85%	14.39%	5.37%	7.70%	TRIP	-13.15%	2.65%
PLTVLLEY	345	WOOD B	345 1	690.03	19.30%	13.85%	5.15%	8.23%	37.42%	-12.54%	2.56%
ROSETON	345	E FISHKILL	345 1	1030.47	12.37%	24.26%	16.83%	17.66%	-17.80%	TRIP	5.42%
E FISH I	115	E FISHKILL	345 1	-149.25	1.49%	0.82%	0.68%	2.77%	-0.75%	6.43%	0.30%
E FISH I	115	E FISHKILL	345 2	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
FISHKILL	115	SYLVN115	115 1	85.31	0.75%	0.62%	0.30%	0.02%	0.59%	0.57%	0.13%
<b>SUB-TOTALS</b>					<b>100.00%</b>	<b>76.02%</b>	<b>75.83%</b>	<b>98.84%</b>	<b>88.52%</b>	<b>92.49%</b>	<b>35.51%</b>
B3402 PAR1	345	MARION	345 1	152.87	0.00%	8.75%	8.29%	-0.12%	2.08%	3.43%	24.40%
C3403 PAR2	345	MARION	345 1	150.87	0.00%	8.54%	8.09%	-0.11%	2.03%	3.35%	23.76%
GOETHALS	230	LINDEN	230 1	101.57	0.00%	4.19%	4.00%	-0.04%	1.11%	1.68%	TRIP
COGNTECH	345	G22_VFT345KV	345 1	314.11	0.00%	1.20%	1.14%	-0.01%	0.32%	0.48%	14.77%
NRTHPT P	138	NRTHPT1	138 1	100.8	0.00%	1.30%	2.64%	1.44%	5.95%	-1.42%	1.56%
<b>TOTALS</b>					<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element			Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-JAMAICA	LKSUC-JMAICA	REAC72-MOTT
REAC71	345 MOTT HAVEN	345 3	307.28	30.78%	TRIP	5.49%	23.76%	9.40%	9.79%	66.91%
REAC72	345 MOTT HAVEN	345 4	281.32	28.07%	58.16%	5.00%	21.67%	8.57%	8.93%	TRIP
SPRAINBROOK	345 ACADEMY	345 1	299.93	0.00%	0.26%	19.20%	0.47%	3.04%	3.02%	0.34%
SPRAINBROOK	345 TREMONT	345 1	399.92	0.00%	0.31%	TRIP	0.56%	3.69%	3.67%	0.41%
W 49 ST	345 REACM51	345 1	422.71	20.58%	18.01%	7.44%	TRIP	9.36%	9.09%	O/S
W 49 ST	345 REACM52	345 2	423.62	20.58%	18.01%	7.44%	46.48%	9.36%	9.09%	25.94%
DUN NO1R	138 S CREEK W	138 1	114.33	0.00%	0.20%	10.71%	0.19%	1.71%	1.72%	0.23%
DUN NO2R	138 S CREEK E	138 1	114.97	0.00%	0.26%	13.91%	0.25%	2.23%	2.23%	0.30%
DUN SO1R	138 E179 ST W	138 1	204.62	0.00%	0.38%	20.62%	0.38%	3.30%	3.31%	0.44%
JAMAICA	138 V STRM P	138 1	99.99	0.00%	0.65%	4.44%	0.85%	TRIP	46.59%	0.79%
JAMAICA	138 L SUCSPH	138 1	200.09	0.00%	0.68%	4.41%	0.83%	46.58%	TRIP	0.81%
<b>SUB-TOTALS</b>				<b>100.00%</b>	<b>96.92%</b>	<b>98.67%</b>	<b>95.43%</b>	<b>97.23%</b>	<b>97.44%</b>	<b>96.16%</b>
B3402 PAR1	345 MARION	345 1	152.87	0.00%	1.14%	0.14%	1.86%	1.04%	0.96%	1.45%
C3403 PAR2	345 MARION	345 1	150.87	0.00%	1.19%	0.11%	1.72%	1.00%	0.92%	1.48%
GOETHALS	230 LINDEN	230 1	101.57	0.00%	0.58%	0.85%	0.77%	0.58%	0.54%	0.71%
COGNTECH	345 G22_VFT345KV	345 1	314.11	0.00%	0.17%	0.24%	0.22%	0.17%	0.15%	0.20%
<b>TOTALS</b>				<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>



**Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS**

Monitored Element			Base Flow	TRANSFER	MASSEN_CHAT	MASSEN-MARCY	MOSES2-ADRON	MOSES2-ADRONB1
MARCY765	765 MASS 765	765 1	562.55	74.13%	68.29%	TRIP	44.92%	0.00%
ADRON B1	230 MOSES W	230 1	60.27	9.49%	3.61%	19.75%	TRIP	TRIP
ADRON B2	230 MOSES W	230 1	60.3	9.49%	3.61%	19.75%	36.52%	49.81%
ALCOA-NM	115 BRADY	115 1	22.27	1.12%	0.48%	2.29%	0.76%	1.96%
ALLENS F	115 COLTON	115 1	-12.55	1.57%	0.31%	1.94%	0.66%	1.69%
ANDRWS-4	115 DENNISON	115 1	19.88	2.10%	0.90%	4.29%	1.43%	3.68%
DENNISON	115 LWRNCE-B	115 1	17.15	2.10%	0.90%	4.30%	1.43%	3.69%
<b>SUB-TOTALS</b>				<b>100.00%</b>	<b>78.11%</b>	<b>52.31%</b>	<b>85.72%</b>	<b>60.82%</b>
MOSES E	230 ST_LAWR_L33P	230 1	0	O/S	O/S	O/S	O/S	O/S
MOSES E	230 ST_LAWR_L34P	230 1	1.65	0.00%	17.89%	33.85%	9.88%	27.52%
MOSES W	230 WILLIS E	230 1	52.18	0.73%	2.13%	7.76%	2.49%	6.56%
MOSES W	230 WILLIS W	230 1	51.82	0.73%	2.12%	7.72%	2.48%	6.52%
<b>TOTALS</b>				<b>101.46%</b>	<b>100.24%</b>	<b>101.64%</b>	<b>100.57%</b>	<b>101.43%</b>

**Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS**

Monitored Element			Base Flow	TRANSFER	NHHAR_GEN	YRMTH_GEN	SBRK_GEN	HIGATE_DC	ELLRIVER	MADWAS_DC	ALPS34-MANY	PV.345-LNGMT
NE_393_NY	345 ALPS345	345 1	2.12	34.35%	19.00%	30.71%	30.57%	20.90%	30.71%	30.71%	TRIP	36.43%
NE_398_NY	345 PLTVLLEY	345 1	13.55	52.78%	48.27%	33.54%	33.79%	21.28%	33.52%	33.52%	44.36%	TRIP
NE_E205W_NY	230 EASTOVER RD	230 1	4.64	8.78%	4.71%	8.03%	8.10%	4.10%	8.03%	8.03%	17.37%	8.10%
NE_PV20_NY	115 PLAT T#3	115 1	-107.71	0.00%	3.97%	7.05%	6.89%	36.28%	7.09%	7.09%	7.63%	4.96%
NE_K7_NY	115 WHITEHAL	115 1	0.05	0.00%	2.31%	4.65%	4.55%	6.73%	4.66%	4.66%	8.83%	4.19%
NE_K6_NY	115 HOOSICK	115 1	-3.4	2.91%	1.54%	2.52%	2.53%	1.37%	2.52%	2.52%	8.09%	2.75%
NE_690_NY	69.0 SMITHFLD	69.0 1	0.21	1.18%	1.09%	0.81%	0.81%	0.50%	0.81%	0.81%	1.16%	2.78%
NE_601_NY	138 NRTHPT P	138 1	33.77	0.00%	6.40%	4.25%	4.27%	2.97%	4.25%	4.25%	4.20%	13.65%
NE_602_NY	138 NRTHPT P	138 2	33.67	0.00%	6.38%	4.24%	4.26%	2.96%	4.23%	4.23%	4.19%	13.61%
NE_603_NY	138 NRTHPT P	138 3	33.45	0.00%	6.34%	4.21%	4.23%	2.94%	4.20%	4.20%	4.16%	13.52%
SHM DC	138 SHOREHAM2	138 1	329.5	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
<b>TOTALS</b>				<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFER	BECKB-NIAGAR	PA27-NIAGAR	BP76-PACKD2	STLAWR34-MOSES	BECKA-PA301
NIAG 345 345 BECK #2 H301 345 1	-21.36	32.19%	52.72%	33.30%	30.56%	20.17%	TRIP
NIAG 345 345 BECK #2 H302 345 1	-21.36	32.19%	TRIP	33.30%	30.56%	20.17%	0.00%
NIAGAR2W 230 BECK #2 PA27 230 1	-14.05	19.19%	22.90%	TRIP	31.68%	12.30%	48.43%
PACKARD2 230 BECK #2 BP76 230 1	59.43	16.44%	17.67%	26.64%	TRIP	10.58%	37.37%
MOSES E 230 ST_LAWR_L33P 230 1	0	0.00%	O/S	O/S	O/S	O/S	O/S
MOSES E 230 ST_LAWR_L34P 230 1	-1.65	0.00%	2.41%	2.14%	2.19%	TRIP	5.09%
<b>SUB-TOTALS</b>		<b>100.00%</b>	<b>95.69%</b>	<b>95.38%</b>	<b>94.97%</b>	<b>63.21%</b>	<b>90.89%</b>
ON-MICH	1.77	0.00%	4.05%	4.34%	4.73%	34.14%	8.57%
<b>TOTALS</b>		<b>100.00%</b>	<b>99.74%</b>	<b>99.72%</b>	<b>99.70%</b>	<b>97.35%</b>	<b>99.46%</b>

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element			Base Flow	TRANSFER	HOPATCONG-RAMPO	HUDSON-FARGT	LINDEN-GOETH	WALDWK-SMAWA	PIERCE-5MILE	MAIN-WATER	E.TOWD-HILLS	WALDWK-SMAWA	MARION-FARGT	
RAMAPO 5	500 HOPATCONG	500 1	211.88	0.00%	TRIP	11.48%	13.18%	2.66%	5.88%	9.97%	8.53%	29.51%	11.37%	
COGNTECH	345 G22_VFT345KV	345 1	314.11	0.00%	2.75%	3.44%	14.77%	0.23%	0.54%	0.91%	0.63%	2.63%	3.40%	
B3402 PAR1	345 MARION	345 1	152.87	0.00%	15.97%	TRIP	24.40%	2.08%	3.17%	5.38%	3.83%	23.42%	44.97%	
C3403 PAR2	345 MARION	345 1	150.87	0.00%	15.60%	44.36%	23.76%	2.03%	3.10%	5.25%	3.74%	22.86%	TRIP	
GOETHALS	230 LINDEN	230 1	101.57	0.00%	9.61%	12.79%	TRIP	0.82%	1.89%	3.22%	2.21%	9.23%	12.62%	
NEPTCONV	345 NWBRG	345 1	661.09	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
SMAHWAH1	345 WALDWICK	345 1	-168.09	-0.06%	17.87%	10.35%	7.79%	91.10%	2.28%	3.98%	2.80%	0.00%	10.25%	
SMAHWAH2	345 WALDWICK	345 1	-232.35	0.06%	17.65%	9.93%	7.46%	TRIP	2.12%	3.70%	2.59%	TRIP	9.83%	
5MILE345	345 26PIERCEBRK	345 1	-25.08	20.67%	2.25%	0.87%	0.99%	0.12%	TRIP	15.40%	4.64%	1.40%	0.87%	
NY_HOMER_STO	345 26HOMER CY	345 Z1	118.89	8.07%	0.87%	0.35%	0.39%	0.05%	-31.41%	8.35%	0.08%	0.55%	0.34%	
NY_PIERCEBRK	345 26PIERCEBRK	345 Z1	-118.29	-8.07%	-0.87%	-0.35%	-0.39%	-0.05%	31.41%	-8.35%	-0.08%	-0.55%	-0.34%	
WATRC345	345 26MAINESBURG	345 1	58.62	33.06%	4.75%	1.84%	2.10%	0.27%	19.16%	TRIP	27.93%	3.03%	1.82%	
NY_HOMER_WAT	345 26HOMER CY	345 Z1	65.02	15.03%	2.04%	0.82%	0.94%	0.12%	8.78%	-37.09%	7.01%	1.35%	0.81%	
NY_MAINESBUR	345 26MAINESBURG	345 Z1	-64.79	-15.03%	-2.04%	-0.82%	-0.94%	-0.12%	-8.78%	37.09%	-7.01%	-1.35%	-0.81%	
HILSD230	230 26E.TWANDA	230 1	49.29	18.53%	3.60%	1.16%	1.28%	0.17%	5.12%	24.77%	TRIP	1.89%	1.15%	
SMAHWAH1	345 SMAH138	138 1	-96.35	0.18%	-0.24%	-0.56%	-0.44%	-3.51%	-0.22%	-0.39%	-0.29%	0.46%	-0.55%	
FALCONER	115 26WARREN	115 1	-42.7	6.43%	0.68%	0.26%	0.30%	0.04%	20.03%	2.36%	1.91%	0.42%	0.26%	
N.WAV115	115 26E.SAYRE	115 1	0.69	6.62%	1.23%	0.41%	0.45%	0.06%	2.11%	7.13%	23.94%	0.66%	0.40%	
WESTOVER115	115 26LAUREL L	115 1	-64.69	6.24%	1.24%	0.41%	0.45%	0.06%	0.84%	3.36%	8.67%	0.66%	0.40%	
CORPORATE DR	138 HCOR138	138 1	-48.69	-0.01%	0.02%	-0.01%	-0.01%	0.04%	0.00%	0.00%	0.00%	0.02%	-0.01%	
RAMP138	138 SMAH138	138 1	-60.65	-0.11%	0.31%	0.40%	0.31%	2.81%	0.15%	0.26%	0.19%	-0.25%	0.40%	
BLUHILL	69.0 MONTVALE	69.0 1	3.36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
BLUHILL	69.0 MONTVALE	69.0 2	3.36	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
HILB69	69.0 SMAH69	69.0 1	-16.59	-0.13%	-0.04%	0.06%	0.05%	0.45%	0.08%	0.14%	0.10%	-0.11%	0.06%	
L491T	69.0 MONTVALE	69.0 1	-20.5	0.02%	0.00%	0.03%	0.02%	0.10%	0.00%	0.00%	0.00%	-0.02%	0.03%	
SPARKILL	69.0 CRESSKIL	69.0 1	-3.19	0.01%	-0.01%	0.02%	0.02%	0.02%	0.00%	0.00%	0.00%	-0.02%	0.02%	
WNYA69	69.0 HCOR69	69.0 1	1.39	0.05%	-0.04%	0.06%	0.05%	0.09%	0.00%	-0.01%	-0.01%	-0.08%	0.06%	
PEARL34	34.5 HCOR34	34.5 1	0.94	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
<b>SUB-TOTALS</b>					<b>91.56%</b>	<b>93.19%</b>	<b>97.32%</b>	<b>96.94%</b>	<b>99.63%</b>	<b>66.23%</b>	<b>85.44%</b>	<b>91.41%</b>	<b>95.69%</b>	<b>97.34%</b>
<b>1 MICH-ON</b>			-1.77	0.00%	5.58%	2.21%	2.52%	0.31%	22.25%	11.15%	6.56%	3.53%	2.19%	
<b>TOTALS</b>					<b>91.56%</b>	<b>98.77%</b>	<b>99.53%</b>	<b>99.46%</b>	<b>99.94%</b>	<b>88.48%</b>	<b>96.59%</b>	<b>97.97%</b>	<b>99.22%</b>	<b>99.53%</b>

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

Monitered Element	CENTRAL-EAST	ONT-NYISO	ONTARIO-MICH	PJM-NYISO	WEST-CENTRAL	BBURG-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1719.23	0.99	1.8	674.72	146.58	211.86	498.59	1519.53
DUM1	45.48%	0.00%	0.00%	0.00%	80.46%	0.00%	13.73%	44.25%
DUM2	45.48%	0.00%	0.00%	0.00%	80.46%	0.00%	13.73%	44.25%
NIAGARA	45.48%	0.00%	0.00%	0.00%	80.46%	0.00%	13.73%	44.25%
OSWEGO	50.29%	0.00%	0.00%	0.00%	-2.30%	0.00%	15.56%	49.57%
GILBOA	1.01%	0.00%	0.00%	0.00%	0.28%	0.00%	5.62%	0.65%
BETH	-16.54%	0.00%	0.00%	0.00%	-0.30%	0.00%	7.35%	-14.49%
ATHENS	-6.28%	0.00%	0.00%	0.00%	-0.08%	0.00%	4.46%	-6.17%
ROSETON	-0.38%	0.00%	0.00%	0.00%	0.00%	0.00%	0.27%	-0.37%
BOWLINE	1.43%	0.00%	0.00%	0.00%	0.02%	0.00%	-0.92%	1.38%
INDIANPT2	1.13%	0.00%	0.00%	0.00%	0.02%	0.00%	-0.73%	1.09%
BRAYTON	-9.63%	0.00%	0.00%	0.00%	-0.18%	0.00%	4.75%	-8.91%
SBRK	45.94%	100.00%	0.00%	0.00%	83.07%	0.00%	13.91%	44.76%
BECK	40.59%	0.00%	0.00%	100.00%	33.89%	0.00%	11.92%	38.88%
CONEMAUGH	40.51%	0.00%	0.00%	100.00%	32.66%	0.00%	11.89%	38.78%
SALEM	40.46%	0.00%	0.00%	100.00%	32.05%	0.00%	11.87%	38.72%
PORTLAND	40.47%	0.00%	0.00%	100.00%	32.18%	0.00%	11.88%	38.73%
EDDYSTONE	40.51%	0.00%	0.00%	100.00%	32.63%	0.00%	11.89%	38.77%
BRANDON	40.58%	0.00%	0.00%	100.00%	33.53%	0.00%	11.91%	38.85%
KARNS	40.68%	0.00%	0.00%	100.00%	34.81%	0.00%	11.95%	38.97%
ZEEL	40.68%	0.00%	0.00%	100.00%	34.80%	0.00%	11.95%	38.97%
BOWEN	40.65%	0.00%	0.00%	100.00%	34.52%	0.00%	11.94%	38.94%
BAYSHORE	40.69%	0.00%	0.00%	100.00%	34.97%	0.00%	11.96%	38.98%
MTSTORM	40.63%	0.00%	0.00%	100.00%	34.23%	0.00%	11.93%	38.91%
HATFIELD	40.64%	0.00%	0.00%	100.00%	34.35%	0.00%	11.94%	38.92%
NEWTON	40.67%	0.00%	0.00%	100.00%	34.67%	0.00%	11.95%	38.95%
HOPATCONG-RAMAPO	-7.91%	-5.97%	5.58%	21.94%	-6.76%	TRIP	-3.31%	-6.82%

**Table-10b GENERATION SHIFT FACTORS WITH ALL PAR ANGLES FIXED**

Unfiltered Element	CENTRAL-EAST	ONT-NYISO	ONTARIO-MICH	PJM-NYISO	WEST-CENTRAL	BBURG-RAMAPO	MARCY-SOUTH	UTICA-ALBANY
Base Flow	1719.23	0.99	1.8	674.72	146.58	211.86	498.59	1519.53
DUM1	28.36%	-18.68%	17.53%	6.76%	49.76%	9.63%	7.52%	24.65%
DUM2	28.36%	-18.68%	17.53%	6.76%	49.76%	9.63%	7.52%	24.65%
NIAGARA	28.36%	-18.68%	17.53%	6.76%	49.76%	9.63%	7.52%	24.65%
OSWEGO	40.28%	-9.17%	8.58%	0.32%	-13.74%	3.88%	11.44%	36.07%
GILBOA	-4.83%	-4.17%	3.90%	-2.47%	-4.96%	0.22%	3.50%	-5.31%
BETH	-22.54%	-4.68%	4.37%	-1.70%	-5.02%	0.20%	5.46%	-17.72%
ATHENS	-10.60%	-3.30%	3.09%	-2.41%	-3.76%	-0.83%	2.93%	-10.22%
ROSETON	-2.66%	-1.69%	1.58%	-3.55%	-1.93%	-2.86%	-0.49%	-2.48%
BOWLINE	1.01%	-0.21%	0.20%	-6.26%	-0.27%	-6.56%	-0.91%	0.83%
INDIANPT2	0.80%	-0.16%	0.15%	-4.93%	-0.20%	-5.19%	-0.71%	0.66%
BRAYTON	-16.01%	-3.71%	3.47%	-1.63%	-3.37%	-0.39%	3.70%	-8.91%
SBRK	28.75%	74.52%	23.92%	13.55%	46.67%	9.63%	7.60%	24.87%
BECK	13.03%	9.04%	-8.48%	74.40%	11.06%	18.13%	2.93%	11.17%
CONEMAUGH	8.76%	6.00%	-5.60%	75.69%	6.69%	20.06%	1.71%	7.51%
SALEM	7.44%	4.38%	-4.09%	76.52%	4.94%	19.12%	1.33%	6.37%
PORTLAND	4.04%	2.19%	-2.05%	75.65%	2.46%	10.39%	0.37%	3.45%
EDDYSTONE	8.77%	5.95%	-5.56%	75.78%	6.65%	20.24%	1.71%	7.51%
BRANDON	11.84%	9.85%	-9.18%	73.06%	10.28%	18.79%	2.59%	10.15%
KARNS	17.72%	25.41%	-24.49%	59.37%	19.11%	15.60%	4.30%	15.16%
ZEEL	17.53%	24.72%	-23.72%	60.01%	18.79%	15.70%	4.24%	15.00%
BOWEN	15.21%	16.91%	-15.38%	67.12%	15.04%	16.92%	3.57%	13.03%
BAYSHORE	17.36%	23.38%	-22.69%	61.31%	18.47%	15.77%	4.19%	14.86%
MTSTORM	13.87%	13.01%	-12.13%	70.62%	12.93%	17.64%	3.18%	11.89%
HATFIELD	14.15%	12.69%	-11.87%	71.06%	13.11%	17.48%	3.26%	12.13%
NEWTON	15.95%	19.06%	-17.23%	65.20%	16.18%	16.52%	3.78%	13.66%
HOPATCONG-RAMAPO	-7.91%	-5.97%	5.58%	21.94%	-6.76%	TRIP	-3.31%	-6.82%