

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		32	0	83	0	-533	0	-660	-311	0	-100	212	-1257
PJM	-32		0	0	0	0	0	660	311	0	0	-2703	-1764
IESO	0	0		0	0	-1246	0	0	0	0	0	0	-1246
ISONE	-83	0	0		0	-225	0	0	0	0	100	0	-208
NB/NS	0	0	0	0		-925	0	0	0	0	0	0	-925
Trans Énergie	533	0	1246	225	925		0	0	0	0	0	45	2974

APPENDIX A SUMMARY OF WINTER 2022-23 BASE TRANSFERS	
NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-925
New Brunswick to New England	0
Total Export (+) / Import (-)	-925

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond HVdc	0
New England to TransÉnergie: Vermont	-225
New England to New York	-83
New England to NY: Norwalk Harbor-Northport	100
New England to NY: Cross-Sound	0
Total Export (+) / Import (-)	-208

NEW YORK ISO	
New York to TransÉnergie	-533
New York to New England	83
New York to New England: Norwalk Harbor-Northport	-100
New York to New England: Cross-Sound	0
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	-311
New York to PJM: Neptune HVdc	-660
New York to PJM: HTP	0
New York to MISO: NYPA to AMP- Ohio	120
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-1257

APPENDIX A SUMMARY OF WINTER 2022-23 BASE TRANSFERS	
IESO (Ontario)	
IESO to TransÉnergie	-1246
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	-1246

PJM	
PJM to New York: NYPA to PA-RECS	-75
PJM to New York: Sithe Allegheny	38
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	660
PJM to New York: Linden VFT	311
PJM to New York: HTP	0
Miscellaneous Transfers to Other Areas	-2703
Total Export (+) / Import (-)	-1764

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TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	925
TransÉnergie to New England: Sandy Pond HVdc	0
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	533
TransÉnergie to IESO (Ontario)	1246
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	2974

Appendix B – WINTER 2022-23 BASE CASE 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

Chateauguay HVdc	533 MW	In Service
Sandy Pond HVdc	0 MW	Out-of-service
Highgate HVdc	223 MW	In Service
Madawaska HVdc	300 MW	In Service
Eel River HVdc	300 MW	In Service

AREA LOADS & LOSSES

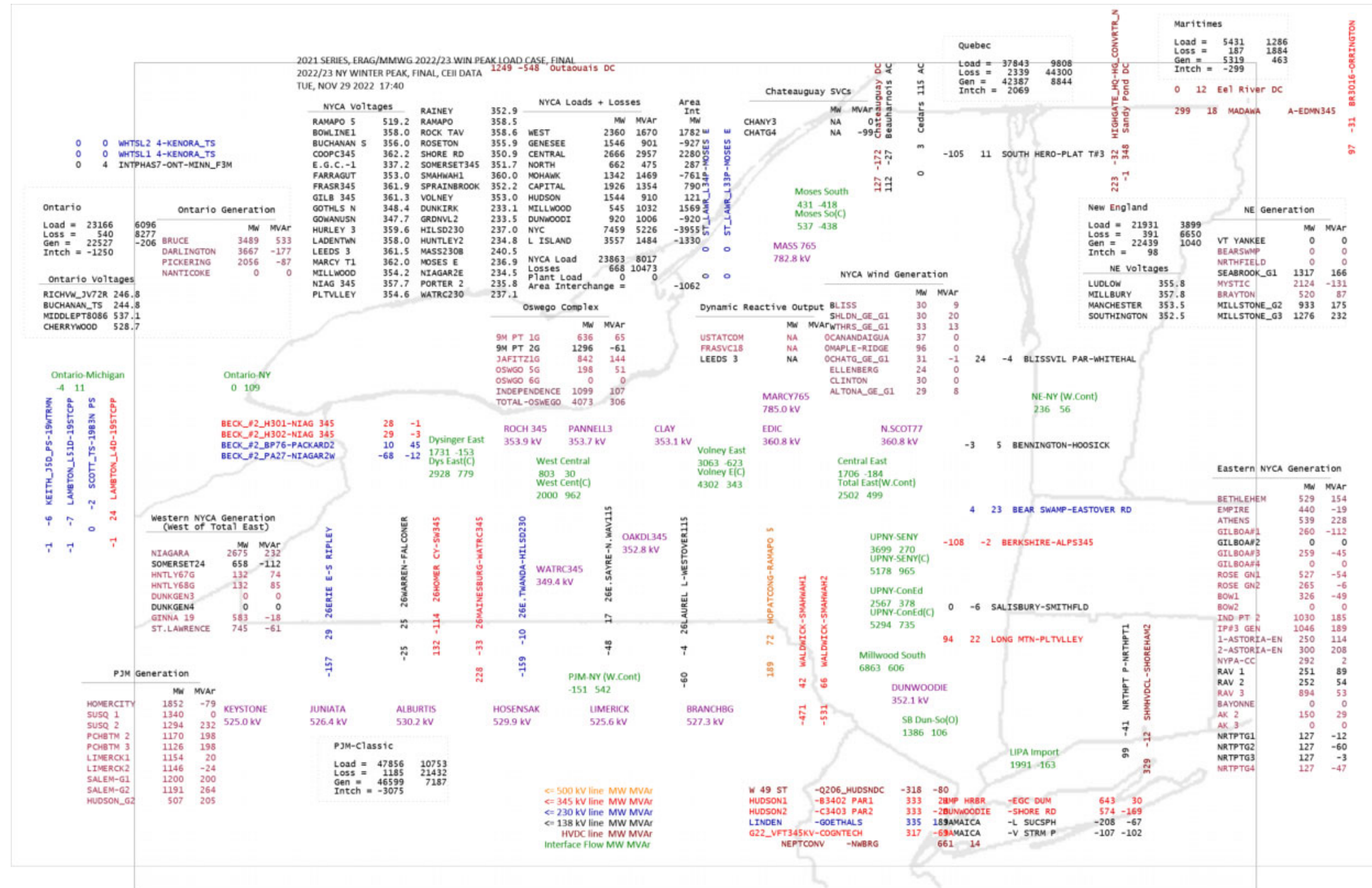
NYISO	23,891 MW
ISO-NE	20,268 MW
IESO (Ontario)	22,625 MW
PJM	47,507 MW

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	Out-of-Service
Norwalk Harbor-Northport	100 MW	
Jamaica-Valley Stream	-100 MW	
Jamaica-Lake Success	-200 MW	
Hudson-Farragut (B3402)	0 MW	Out-of-service
Marion-Farragut (C3403)	0 MW	Out-of-service
Linden-Goethals	0 MW	
Waldwick-Hinchmans	0 MW	
Waldwick-Fairlawn	0 MW	
Waldwick-Hillsdale	0 MW	
Ramapo PAR #1 (+ to NY)	100 MW	
Ramapo PAR #2 (+ to NY)	100 MW	
East Garden City #1	0 MW	Out of Service
East Garden City #2	0 MW	Out of Service

Appendix C – POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



Appendix D – RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

<i>Name</i>	<i>ID</i>	<i>KV</i>	<i>NORM</i>	<i>LTE</i>	<i>STE</i>	<i>PTID</i>	<i>Flow</i>
<i>ACADEMY_138A_138B_PAR1</i>	PAR1	138	301	360	451	325751	97
<i>ACADEMY_138A_138B_PAR8</i>	PAR8	138	301	360	451	325750	97.01
<i>ACADEMY_345_138_TR1</i>	TR1	345	303	368	446	325753	97
<i>ACADEMY_345_138_TR8</i>	TR8	345	303	368	446	325752	97
<i>ADIRNDCK_230_115_BK1</i>	BK1	115	132	166	172	26697	91.79
<i>ADIRNDCK-CHASLAKE_230_13</i>	13	230	478	478	634	325233	17.87
<i>ADIRNDCK-PORTER_230_12</i>	12	230	478	478	634	25082	111.78
<i>AIRPRDCT-ALBANY_115_8</i>	8-NA	115	340	373	414	327375	116.76
<i>AKRONVIL-N.AKRON_115_107</i>	107	115	222	234	278	326868	26.4
<i>ALBANY_-GREENBSH_115_1</i>	1	115	304	349	399	25860	143.41
<i>ALBANY_-GREENBSH_115_2</i>	2	115	304	349	399	25868	143.41
<i>ALBANY_-TRINITY_115_5</i>	5	115	214	256	317	25861	148.6
<i>ALBANY_-TRINITY_115_9</i>	9	115	159	178	258	25872	67.21
<i>ALCOA_-BRADY_115_13</i>	13	115	156	170	181	25230	22.73
<i>ALCOA_-DENNISON_115_12</i>	12-AD	115	312	328	387	25227	31.19
<i>ALCOA_PA-ALCOA_115_R8105</i>	R8105	115	263	294	348	25202	53.92
<i>ALCOA_PA-GRASRIVR_115_MAL4</i>	MAL4	115	267	295	297	326295	99.13
<i>ALCOA_PA-GRASRIVR_115_MAL5</i>	MAL5	115	265	265	265	326296	99.13
<i>AMAWALK_-MOHANSIC_115_995 U.G.</i>	995UG	115	88	88	98	26481	9.51
<i>AMAWALK_-MOHANSIC_115_996 U.G.</i>	996UG	115	107	107	107	26480	7.53
<i>ANDOVER_-PALMITER_115_157-932</i>	157_932	115	97	117	119	25094	24.7
<i>ANHRBUSH-LYSANDER_115_13</i>	13	115	219	219	219	326790	57.2
<i>ANHRBUSH-LYSANDER_115_9</i>	9	115	234	256	277	326803	6.12
<i>ARCADE_-MACHIAS_115_167</i>	151	115	156	171	182	326168	8.47
<i>ASH_-TEMPLE_115_9</i>	9	115	207	233	233	26062	1.45
<i>ASHLEYRD-MASONCR_115_909</i>	909	115	189	207	221	25847	29.17
<i>ASHLEYRD-PLATSBRG_115_700</i>	700	115	223	237	259	25845	27.61
<i>ASTANNEX_138A_138B_PAR1</i>	PAR1	138	415	477	544	325848	0.05
<i>ASTANNEX_345_138_TR1</i>	TR1	345	320	390	468	325847	0.1
<i>ASTANNEX-ASTORIAE_138_34091</i>	34091	138	288	318	346	325849	0.05
<i>ASTANNEX-E13THSTA_345_Q35L</i>	Q35L	345	415	639	1595	25134	274.91
<i>ASTANNEX-E13THSTA_345_Q35M</i>	Q35M	345	415	639	1595	25142	254.79
<i>ASTENRG2-ASTANNEX_345_G13</i>	G13	345	950	1050	1150	325744	52.93
<i>ASTORIAE-ASTORIA3_138_34123</i>	34123	138	299	335	400	25876	0
<i>ASTORIAE-CORONA_138_34181</i>	34181	138	195	249	378	25277	82.69
<i>ASTORIAE-CORONA_138_34182</i>	34182	138	195	249	378	25278	79.84
<i>ASTORIAE-CORONA_138_34183</i>	34183	138	195	249	378	25279	82.54
<i>ASTORIAE-CORONA_138_34184</i>	34184	138	195	249	378	25280	77.09
<i>ASTORIAE-CORONA_138_34185</i>	34185	138	195	249	378	25281	73.27
<i>ASTORIAE-CORONA_138_34186</i>	34186	138	195	249	378	25282	74.55
<i>ASTORIAW-QUENBRDG_138_28241</i>	28241	138	195	249	378	25315	165.13
<i>ASTORIAW-QUENBRDG_138_28242</i>	28242	138	195	249	378	25316	169.09

ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	309.34
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	356.28
ATHENS_-PLSNTVLY_345_91	91	345	1624	1783	1946	25054	792.19
AYERREND-TNWD206_115_36	36	115	211	211	212	326367	40.87
AYERREND-TNWD206_115_37	37	115	206	206	206	326370	40.95
BABYLON_-BRGHTWTR_69_771	771	69	164	176	195	327240	13.48
BAGATLRD-PILGRIM_138_564	564	138	571	612	678	325607	5.43
BAKER_ST-FALCONER_115_160	160-3	115	222	234	239	26513	12.94
BALLSTON-TAPBLSTN_115_43	43	115	268	293	317	325896	17.16
BALLSTON-TAPBLSTN_115_44	44	115	268	293	317	325897	24.33
BARRETT_138_69_BK 1	BK 1	138	127	156	156	26600	76.39
BARRETT_138A_138B_PAR	B_PAR	138	193	272	326	25590	144.94
BARRETT_-FREEPORT_138_459	459	138	192	272	326	26425	145.04
BARTELRD-PINEGROV_115_10	10	115	331	364	404	327250	106.69
BARTELRD-PINEGROV_115_3	3	115	331	364	404	327235	71.87
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	12.32
BATAVIA_-SEBATVIA_115_117	117	115	239	239	239	26017	26.77
BATH___-MONTRFL_115_965	965	115	146	160	178	26163	0
BATH___-SPENCHIL_115_723	723	115	221	241	261	325797	56.32
BATNKILL-BRANCOMB_115_310	310	115	227	248	268	327453	18.51
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	120.67
BECK___-NIAGARA_230_PA27	PA27	230	480	540	685	25025	51.8
BECK___-NIAGARA_345_PA301	PA301	345	1180	1469	1860	25040	20.32
BECK___-NIAGARA_345_PA302	PA302	345	1180	1469	1860	25041	20.32
BECK___-PACKARD_230_BP76	BP76	230	582	687	713	25024	8.24
BELMONT_-HOPKINS_115_13	13	115	270	297	324	326806	20.94
BELMONT_-WOODARD_115_4	4	115	190	208	221	326805	42.66
BENETTRD-E_DUNKRK_115_161	161-3	115	213	225	242	326231	12.44
BENETTRD-E_DUNKRK_115_162	161-3	115	213	225	242	326233	10.51
BENNETT_-MORAIN_115_725	725	115	149	172	179	325858	21
BENNETT_-SPENCHIL_115_953	953	115	221	241	261	26164	40.41
BENSHRST-GREENWD_138_38B13	38B13	138	217	298	471	326271	116.48
BERKSHIR-ALPS___345_393	393	345	1792	1883	1912	25034	6.45
BERRY_RD-W.ASHVLE_115_160	160-2	115	245	257	282	26512	13.5
BETHLHEM-ALBANY___115_18	18-BA	115	388	427	474	26119	131.69
BETHLMRD-ROCKTVRN_115_RD	RD	115	152	167	176	326346	42.51
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	1.28
BIGTREE_-GARDNVLB_115_902	902	115	227	232	232	26040	18
BIGTREE_-LANGNERD_115_903	903	115	289	305	335	326050	20.9
BLACKRVR-CARTHAGE_115_1	1	115	141	144	159	26067	18.07
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	12.76
BLACKRVR-FORTDRUM_115_2	2-BF	115	141	144	159	26068	15.37
BLACKRVR-GLENPARK_115_3	3	115	156	159	159	325315	36.36
BLACKRVR-MIDDLERD_115_8	6	115	141	144	165	326703	46.06
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	24.97
BNNINGTN-HOOSICK_115_K6	K6	115	229	274	292	25029	10.63
BNVLMUNI-PORTER___115_2	2	115	124	124	124	325778	43.36

BOONVLE-BNVLUNI_115_2	2	115	124	124	124	26073	20.52
BOONVLE-ROME___115_3	3	115	141	144	159	26071	38.22
BORDRCTY-GUARDIAN_115_969	969	115	239	239	239	325283	58.41
BOWLINE_345_138_BK455	BK455	345	506	587	671	25664	91.02
BOWLINE_-WHAVERSTRW_345_67-1	67-1	345	777	837	837	25567	450.15
BOWLINOR-CONGERS_138_561	561	138	191	230	431	26723	83.14
BRADY_-NOGDNBRG_115_13	13	115	245	260	282	326348	15.06
BRANCOMB-SCHAGCKT_115_310	310	115	227	248	268	26474	18.58
BREMEN_-BULYMO___115_6	6	138	8888	8888	8888	327327	#VALUE!
BRENTWOD-PILGRIM_69_765	765	69	274	285	285	26536	74.03
BRENTWOD-PILGRIM_69_768	768	69	104	113	120	26534	57.78
BRIGHAM_-LUDLUM___115_161	161-2	115	213	225	242	26020	23.72
BRIGHAM_-LUDLUM___115_162	162-1	115	213	225	242	326228	19.8
BRISTLHL-CLAY___115_4	4	115	135	135	135	25518	18.18
BRISTLHL-WHITAKER_115_4	4	115	128	135	152	25512	38.81
BROOK_RD-SMITHBRD_115_2	2	115	282	288	318	325901	24.17
BROOK_RD-SMITHBRD_115_302	302	115	268	292	317	325902	15.92
BROOK_RD-TAPBROOK_115_2	2	115	282	288	318	325899	51.12
BROOK_RD-TAPBROOK_115_302	302	115	268	292	317	325900	30.22
BROOKHVN_138_69_BK 1	BK 1	138	258	318	383	26548	83.57
BROOKHVN_138_69_BK 2	BK 2	138	258	318	424	325152	77.21
BROOKHVN-EDWARDV_138_864	864	138	276	436	597	25553	131.52
BROOKHVN-SILLSRD_138_874	874	138	529	590	669	325617	175.02
BROOKHVN-SILLSRD_138_887	887	138	529	591	669	325619	174.73
BROOKHVN-WILDWOOD_138_861	861	138	559	594	675	325932	57.46
BROWNFLS-HIGLEY___115_1	1-BH	115	156	159	159	26078	36.11
BROWNFLS-TAYLORVL_115_3	3-BT	115	130	144	159	26076	40.69
BROWNFLS-TAYLORVL_115_4	4-BT	115	130	138	159	26077	40.69
BUCHAN_N_345_138_BK TA5	BK TA5	345	230	306	381	25425	67.6
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	67.63
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	527.03
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	307.3
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	307.3
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	5.86
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	5.86
BUFAL129-MAPLE140_115_38	38	115	176	181	209	326159	34.36
BUFAL129-MAPLE140_115_39	39	115	176	181	209	326160	33.78
BUFALO54-BUFALO61_115_38	38	115	227	249	268	326155	24.66
BUFALO54-BUFALO61_115_39	39	115	211	217	255	326156	23.94
BUFALO61-URBAN154_115_38	38	115	211	217	255	326153	21.38
BUFALO61-URBAN154_115_39	39	115	211	217	255	326154	20.59
BUFALO78-HUNTLEY_115_130	130	115	211	217	242	26043	73.62
BUFALO78-YOUNG214_115_133	133	115	213	225	242	326290	70.78
BULYMO_-BOONVLE_115_6	6	115	141	144	144	325265	13.31
BURDECK_-ALTAMONT_115_17	17-BA	115	141	144	165	26151	35.72
BURDECK_-VORHVSLE_115_19	19-BV	115	141	144	165	26152	27.86
BURGOYNE-WHITEHAL_115_6	6	115	132	132	132	326308	3.14

BURNS__138_69_BK 519	BK 519	138	208	258	284	25889	40.98
BURNS__-N.HEMPST_138_531	531	138	222	274	321	25878	12.38
BURNS__-OAKSTRET_138_702	702	138	226	248	258	325812	57.62
BURNS__-WHAVERSTOR_138_541	541	138	222	274	321	25879	53.55
BUTLER__-MOHICAN_115_18	18	115	141	144	165	26434	18.7
C__ISLIP_138_69_BK 3	BK 3	138	259	304	319	26519	66.91
C__ISLIP-RONKOKMA_138_883	883	138	435	611	677	26497	32.69
CALSPAN__-DEPEW__115_54-921	54-921	115	168	212	239	326276	9.56
CALSPAN__-NBRDWYNG_115_181-922	181-922	115	179	197	211	326951	57.86
CANAL__138_69_BK5	BK 5	138	207	283	313	327369	69.42
CANAL__-RIVRHEAD_138_910	910	138	207	282	313	325242	69.42
CANAL__-RIVRHEAD_138_911	911	138	207	283	313	327371	65.93
CANANDGA-STONYRDG_230_68	68	230	600	625	653	25176	103.16
CARMEL__-UNIONVAL_115_991	991	115	239	239	239	26155	76.95
CARMEL__-WOODSTNY_115_900	900	115	255	278	303	326880	54.55
CARMEL__-WOODSTNY_115_992	992	115	260	286	302	325278	53.46
CARR_ST_-DEWITT__115_15	15-CD	115	227	249	268	26093	36.61
CARR_ST_-SALCARBM_115_6	6	115	227	249	268	325216	32.94
CARRSCRN-SALAMANC_115_153	153	115	156	170	181	326163	5.21
CARRSCRN-SALAMANC_115_154	154	115	156	170	181	326165	8.45
CARTHAGE-N.CARTHG_115_1	1	138	119	119	119	327258	18.19
CASTLEGD-FULLRHLW_115_937	937	115	299	335	358	325222	8
CATON__-HILLSIDE_115_960	960	115	120	120	120	325290	23.83
CAVANARD-PORTER__115_7	7	115	141	144	165	325214	68.53
CEDAR__-BURGOYNE_115_6	6	115	141	144	165	26516	16.94
CEDARS__-ROSEMNTA_115_1/11	1/11	115	156	170	181	26083	1.6
CEDARS__-ROSEMNTB_115_2/22	2/22	115	156	170	181	26082	1.6
CEDRHRST-HEWLETT_69_263	263	69	143	157	168	326318	29.74
CENTERST-MAPLEAVE_115_22	22	115	156	156	156	327076	8
CENTERST-STONER__115_9	9	115	156	170	181	327078	7.51
CHADWICK-E.WALDEN_115_DW	DW-3	115	220	234	256	26218	71.99
CHADWICK-WBALMVLE_115_DW	DW-2	115	220	234	256	26217	42.96
CHASLAKE-PORTER__230_11	11	230	511	564	586	25051	135.41
CHAT_TAP-LYON_MTN_115_1(911)	911	115	173	191	205	325704	5.89
CHATEAUG-CHAT_TAP_115_911	911	115	44	45	49	325705	19.47
CHATGUAY-MASSENA_765_7040	7040	765	5300	6254	6625	25301	532.25
CHEMUNG_-NWAVERLY_115_962	962	115	187	210	230	325289	52.52
CHESTROR-SUGRLOAF_138_271	271	138	282	309	321	325424	44.34
CHRCHTWN-BLUESTOR_115_13-987	13-987	115	179	179	179	26685	69
CHRCHTWN-CRARYVIL_115_984	984	115	298	334	368	26500	4.6
CHURCH_S-PATRVLE_115_10	10-AR	115	141	144	155	327461	28.86
CLAY__345_115_BK 1	BK 1	345	560	718	796	25387	275.92
CLAY__345_115_BK 2	BK 2	345	590	764	796	25421	275.92
CLAY__-BARTELRD_115_10	10	115	318	318	318	25520	106.69
CLAY__-BARTELRD_115_3	3	115	268	293	317	25519	83.38
CLAY__-COLAMCRS_115_5	5	115	267	293	317	25522	51
CLAY__-DEWITT__345_13	13	345	1431	1605	1721	25168	548

CLAY__-EDIC__345_1-16	CE1-16	345	1591	1745	1904	25200	203.46
CLAY__-EDIC__345_2-15	CE2-15	345	1591	1745	1904	25169	204.03
CLAY__-EUCLID__115_11	11	115	268	293	317	25516	111.52
CLAY__-EUCLID__115_17	17	115	268	293	317	25515	83.94
CLAY__-INDPDNCE_345_26	26	345	1918	2115	2390	25858	838.65
CLAY__-WETZEL__115_14	14-CG	115	268	293	317	25517	68.06
CLEARWTR-ANHRBUSH_115_9	9	115	234	256	277	326798	65.29
CLINTON_-IMC_TAP__115_15	15-CI	115	141	144	165	26128	11.9
CLOSTER_-SPARKL__69_751	751	69	141	154	160	26504	1.12
CLRKSCRN_345_115_BK1	BK1	345	280	313	336	325724	89.45
CLRKSCRN_345_115_BK2	BK2	345	280	313	336	325725	89.45
CLRKSCRN-OAKDALE_345_36	36	345	1279	1410	1781	325726	468.17
CLYDE__115_34_TR1	TR1	115	152	166	175	25221	18.18
CLYDE__-STATE_ST_115_3-971	971	115	152	159	159	68810	4.38
COBBLENM-COBBLERY_115_BK 1	BK 1	115	45	47	53	25426	7.79
COBBLENM-SPRINGVL_115_151	151	115	156	171	182	326166	17.9
COBBLENM-SPRINGVL_115_152	152	115	156	171	182	326170	15.27
CODNIGTN-E.ITHACA_115_981	981-1	115	133	149	162	25730	0.56
CODNIGTN-ETNA__115_998	998	115	266	288	288	25734	28.53
COFFEEN_-EWATRTWN_115_5	5	115	152	152	152	325769	23.18
COFFEEN_-GLENPARK_115_3	3-CG	115	119	119	119	26069	55.32
COLAMCRS-DUGUID__115_5	5	115	268	293	317	326819	42.16
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	52.16
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	10.48
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	10.15
COLTON_-FLATROCK_115_2	2-CF	115	139	146	155	26088	36.68
COLTON_-HIGLEY__115_1	1-HC	115	156	156	156	26087	35.9
COLTON_-LITTLRIV_115_7	7	115	93	101	106	26086	10.31
COLTON_-TOWNLINE_115_9	9	115	109	109	109	325641	0.46
COMSTKNM-BURGOYNE_115_13	13-MW	115	141	144	165	26484	12.54
CONGERS_-SNKEHLRD_138_563	563	138	212	281	312	25887	61.21
COOPERNY-FERNDAL_115_950	950	115	179	179	179	26171	45.83
COOPERNY-ROCKHILL_115_957	957	115	119	119	119	325614	31.72
COOPERS_345_115_BK 2	BK 2	345	239	239	239	25433	56.91
COOPERS_345_115_BK 3	BK 3	345	239	239	239	25434	57.47
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	249.69
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1786	1793	1793	25110	516.58
CORNING_-MCADOO__115_4	4	115	156	170	181	326380	5.82
CORONA__138A_138B_BK R1	B_BK R1	138	214	285	354	25621	0.11
CORONA__138A_138C_BK R2	C_BK R2	138	214	285	354	25622	0.12
CORONA_-JAMAICA_138_18001	18001	138	168	225	368	25285	0.1
CORONA_-JAMAICA_138_18002	18002	138	168	225	368	25286	0.12
CORONA_-RAINEY__138_36187	36187	138	327	417	537	326894	0.05
CORPDRIV-HARNGCRN_138_703	703	138	161	186	224	25881	32.52
CORTLAND-LABDELFE_115_3	3	115	152	166	175	325248	5.86
CORTLAND-TULLERHL_115_1-716	1	115	156	170	181	25059	18.53
CORTLAND-TULLYCTR_115_18	18	115	224	239	239	26089	36.91

CRICKVLY-PLSNTVLY_345_F83	F83	345	1414	1549	1796	326887	403.38
CRICKVLY-PLSNTVLY_345_F84	F84	345	1533	2045	2242	326888	524.4
CROUSEHD-HOPKINS_115_13	13	115	268	293	317	326783	7.9
CURRY_RD-LINE8TAP_115_8	8	115	141	144	165	26254	27
CURTIS_-LYSANDER_115_13	13	115	219	219	219	326782	56.8
CURTPALM-EJWEST_115_9	9	115	156	170	181	326146	12.29
DALEROAD-GARDNVLB_115_39	39	115	211	217	242	26036	16.66
DANSKAMR-CHADWICK_115_DW	DW-1	115	265	290	315	26219	29.04
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	1.85
DANSKAMR-NCHELSEA_115_AC	AC	115	216	231	334	25829	27.54
DANSKAMR-NCHELSEA_115_DC	DC	115	200	217	334	25830	28.34
DANSKAMR-RYNDS_HL_115_DR	DR	115	237	282	315	25831	28.77
DARBY_-SCHAGCKT_115_309	309	115	227	248	268	327452	15.34
DAVIS_RD-STOLLERD_115_927	927	115	239	239	239	26172	14.78
DEBALSO_-WALESVIL_115_3	3	115	156	170	181	326704	15.54
DEKALB_-BATTHILL_115_4	4	115	93	101	106	326398	12.8
DELEMTER-LAKEVIEU_115_141	141	115	107	117	123	325873	13.81
DELEMTER-LAKEVIEU_115_142	142	115	107	117	123	325880	23.34
DELHI_-DELHI_TP_115_951	951	115	255	255	255	26174	99.13
DELHI_-GR.GORGE_115_916	916	115	90	90	90	26479	18.01
DELHI_-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	33.63
DELHI_TP-COLLIERS_115_951	951-2	115	239	239	239	26203	29.72
DENNISON-LAWRNCALV_115_5	5	115	268	293	317	25226	15.34
DENNISON-NORFOLK_115_4	4	115	268	293	317	25225	15.82
DENNISON-ROSEMNTA_115_1/11	1-RD	115	265	265	318	25523	1.62
DENNISON-ROSEMNTB_115_2/22	2-RD	115	265	265	318	25524	1.56
DEPEW_NG-ERIE_ST_115_54-921	54-921	115	148	172	207	26010	2.66
DEPEW_TP-DEPEW_115_BK 1	BK 1	115	120	120	120	25428	6.9
DEWITT_345_115_BK 2	BK 2	345	619	758	796	25418	252.57
DEWITT_-BUTERNUT_115_4	4	115	245	260	282	26094	40.4
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1918	2115	2390	326310	949.21
DUGUID_-DEWITT_115_5	5	115	245	260	282	326736	19.41
DULEY_-PATNODE_230_PND-1	PND-1	230	506	564	589	325856	23.12
DULEY_-PLATSBURG_230_DP-1	DP-1	230	292	320	356	25272	0
DUNKIRK_230_115_BK 31	BK 31	230	173	234	250	25386	47.64
DUNKIRK_230_115_BK 41	BK 41	230	166	226	250	25430	47.58
DUNKIRK_-BERRY_RD_115_160	160-1	115	239	239	239	26025	37.21
DUNKIRK_-BRIGHAM_115_161	161-1	115	211	217	225	26021	27.64
DUNKIRK_-BRIGHAM_115_162	162-1	115	211	217	225	26027	19.77
DUNKIRK_-SILVRCRK_115_141	141	115	107	117	123	26026	0.71
DUNKIRK_-SILVRCRK_115_142	142	115	107	117	123	26018	1.17
DUNWODIE_138_138_BK N1	BK N1	138	376	428	500	25624	79.41
DUNWODIE_138_138_BK N2	BK N2	138	223	312	400	25623	102.17
DUNWODIE_138_138_BK S1	BK S1	138	443	585	600	25626	157.06
DUNWODIE-DUNWOODN_345_W74	W74	345	490	575	667	326212	223.63
DUNWODIE-DUNWOODS_345_W73	W73	345	386	454	511	326211	208.85
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	156.9

DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	370.48
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	361.51
DUNWODIE-SHERMCRK_138_99031	99031	138	154	196	308	25193	79.24
DUNWODIE-SHERMCRK_138_99032	99032	138	219	307	421	25239	102.06
DUNWODIE-SHORE_RD_345_Y50	Y50	345	656	916	1614	25091	705.3
DUNWOODN_345_138_BK N1	BK N1	345	490	575	667	25209	223.2
DUNWOODN-DUNWOODN_138_38W04	38B04	138	243	280	312	327195	50.46
DUNWOODS_345_138_BK S1	BK S1	345	386	454	511	25208	208.5
DUNWOODS-DUNWOODN_138_99997	99997	138	245	293	342	25532	5.99
DYSINGER_345A_345B_1T3521_PAR	PAR	345	700	874	874	327480	100
DYSINGER-ESTOLERD_345_DES1	DES1	345	700	874	874	327465	100
DYSINGER-KINTIGH_345_38	38	345	1792	1792	1792	25074	46.39
DYSINGER-KINTIGH_345_39	39	345	1195	1195	1195	327246	48.62
DYSINGER-STA_255_345_DH1	DH1	345	1590	1744	1903	327457	68.64
DYSINGER-STA_255_345_DH2	DH2	345	1590	1744	1903	327458	68.64
E.ITHACA-ETNA___115_981	981	115	133	149	162	25733	47.05
E.SAYRE_-NWAVERLY_115_956	956	115	128	128	147	25013	28.92
E.TWANDA-HILLSIDE_230_70	70	230	539	594	670	25014	66.81
E.WALDEN_115_69_TR_3	TR_3	115	67	81	91	26681	10.52
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	29.71
E.WALDEN-MODENA___115_EM	EM	115	285	310	349	25832	0
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	67.71
E_DUNKRK-LAONA___115_161	161	115	107	117	123	326232	0.4
E_DUNKRK-LAONA___115_162	162	115	107	117	123	326234	1.09
E13THSA_E13THSA_138_37371	37371	138	356	514	860	325707	59.22
E13THSTA_138_69_TR 9	BK 9	138	176	223	235	26488	0
E13THSTA_138_69_TR2	BK 2	138	183	243	261	326976	78.6
E13THSTA_138_69_TR4	BK 4	138	183	260	261	326977	79.46
E13THSTA_138_69_TR6	BK 6	138	179	233	261	326978	79.8
E13THSTA_138_69_TR8	BK 8	138	180	243	261	326979	79.9
E13THSTA_345_69_BK 17	BK 17	69	271	336	452	25459	179.24
E13THSTA_345_138_BK 10	BK 10	138	284	297	315	25467	84.5
E13THSTA_345_138_BK 11	BK 11	138	284	297	315	25468	0
E13THSTA_345_138_BK 12	BK 12	138	322	363	410	25463	87.44
E13THSTA_345_138_BK 13	BK 13	138	307	373	447	25464	0
E13THSTA_345_138_BK 14	BK 14	138	295	326	369	25465	0
E13THSTA_345_138_BK 15	BK 15	138	284	297	315	25466	90.55
E13THSTA_345_138_BK 16	BK 16	138	318	372	495	25469	89.15
E13THSTA-EASTRIVR_138_37041	37041	138	103	139	150	326190	9.97
E13THSTA-EASTRIVR_138_37042	37042	138	103	139	150	326191	0
E13THSTA-EASTRIVR_138_37043	37043	138	103	139	150	326192	9.97
E13THSTA-EASTRIVR_138_37044	37044	138	103	139	150	326193	9.97
E13THSTA-EASTRIVR_69_44372	44372	138	129	157	206	326195	0
E13THSTA-FARRAGUT_345_45	45	345	773	944	1347	25190	30.56
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	34.1
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	78.88
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	6.53

<i>E179THST-HELLGATE_138_15055</i>	15055	138	242	321	400	25288	194.79
<i>E179THST-HELLGT_E_138_15053</i>	15053	138	187	244	374	25289	4.18
<i>E179THST-HELLGT_E_138_15054</i>	15054	138	187	244	374	25290	4.18
<i>E179THST-PARKCHTR_138_38X01</i>	38X01	138	191	305	512	25327	4.72
<i>E179THST-PARKCHTR_138_38X02</i>	38X02	138	191	305	512	25328	4.72
<i>E179THST-PARKCHTR_138_38X03</i>	38X03	138	191	305	512	25329	10.36
<i>E179THST-PARKCHTR_138_38X04</i>	38X04	138	191	305	512	25330	10.45
<i>EASTOVER_230_115_BK1</i>	TR 1	230	466	579	666	326097	54.9
<i>EASTOVER_230_115_BK2</i>	TR 1	230	466	579	666	326403	58.9
<i>EASTRIVR_138_69_BK 111</i>	BK 111	138	91	121	142	25526	10
<i>EASTRIVR_138_69_BK 112</i>	BK 112	138	91	121	142	25527	0
<i>EASTRIVR_138_69_BK 113</i>	BK 113	138	91	121	142	25528	10
<i>EASTRIVR_138_69_BK 114</i>	BK 114	138	91	121	142	25529	10
<i>EASTVIEW_345_138_BK 1N</i>	BK 1N	138	509	579	664	25472	106.94
<i>EASTVIEW_345_138_BK 1S</i>	BK 1S	138	486	571	671	25373	0
<i>EASTVIEW_345_138_BK 2N</i>	BK 2N	138	508	572	664	25471	90.22
<i>EASTVIEW_345_138_BK 2S</i>	BK 2S	138	509	579	664	25470	106.64
<i>EASTVIEW-ELMSFORD_138_38W31</i>	38W31	138	185	258	440	326786	112.92
<i>EASTVIEW-ELMSFORD_138_38W32</i>	38W32	138	195	266	402	326787	114.57
<i>EASTVIEW-ELMSFORD_138_38W33</i>	38W33	138	185	258	312	326788	111.16
<i>EASTVIEW-ELMSFORD_138_38W34</i>	38W34	138	195	266	312	326789	0
<i>EASTVIEW-SPRNBK_345_W64</i>	W64	345	2430	2823	3357	25143	435.85
<i>EASTVIEW-SPRNBK_345_W65</i>	W65	345	1976	2387	2897	25144	573.35
<i>EASTVIEW-SPRNBK_345_W78</i>	W78	345	2430	2823	3357	25346	539.24
<i>EASTVIEW-SPRNBK_345_W79</i>	W79	345	1976	2387	2897	25153	540.38
<i>EBATAVIA-NO.LEROY_115_119</i>	119	115	169	185	196	26012	18.89
<i>ECWABALP-FRNKYONG_115_181-922</i>	181-922	115	211	217	255	326871	73.98
<i>ECWABALP-FRNKYONG_115_182</i>	182	115	211	217	255	326872	72.19
<i>EDIC___345_115_BK4</i>	BK 4E	345	603	721	796	25454	123.46
<i>EDIC___345_230_BK2</i>	BK 2E	230	551	626	758	25422	14.89
<i>EDIC___-FRASER_345_EF24-40</i>	EF24-40	345	1793	1793	1793	25112	496.66
<i>EDIC___-GORDONRD_345_14</i>	14	345	1624	1783	1912	327482	418.7
<i>EDIC_PTR_230_115_BK 1P</i>	BK 1P	230	320	365	398	25389	130.86
<i>EDIC_PTR_230_115_BK 2P</i>	BK 2P	230	320	365	398	25423	130.86
<i>EDIC_PTR_345_115_BK 3E</i>	BK 3E	345	524	602	760	25424	123.46
<i>EDWARDV-RIVRHEAD_138_893</i>	893	138	276	347	378	325654	115.96
<i>EELPOTRD-MEYER___115_724</i>	724	115	143	157	167	325288	13.15
<i>EFISHKIL_345_115_BK 1</i>	BK 1	345	505	531	531	25724	171.8
<i>EFISHKCH_345_115_BK 2</i>	BK 2	345	560	560	560	325845	171.8
<i>EFISHKIL-WOOD_ST_345_F38</i>	F38	345	2409	2679	3406	25367	779.21
<i>EFISHKIL-WOOD_ST_345_F39</i>	F39	345	2409	2679	3406	25368	839.88
<i>EGRDNCTY_138_69_BK 1</i>	BK 1	138	258	304	338	26652	95.45
<i>EGRDNCTY_345_138_AT1</i>	BK 1	345	428	556	641	25551	0
<i>EGRDNCTY_345_138_AT2</i>	BK 2	345	428	556	641	25552	0
<i>EGRDNCTY_345C_345A_PAR1</i>	A_PAR1	345	428	812	855	25678	0
<i>EGRDNCTY_345C_345B_PAR2</i>	B_PAR2	345	428	812	855	25679	0
<i>EGRDNCTY-CARLPLCE_138_361</i>	361	138	310	340	371	25533	34.47

EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	693	940	1360	325158	0
EGRDNCTY-NEWBRDGE_138_462	462	138	188	276	457	25303	36.4
EGRDNCTY-NEWBRDGE_138_463	463	138	205	294	416	25304	36.4
EGRDNCTY-NEWBRDGE_138_465	465	138	213	301	421	25535	34.28
EGRDNCTY-ROSLYN_138_362	362	138	305	334	364	25534	60.24
EJWEST_-SCOFDRD_115_9	9	115	245	260	282	326147	37.44
EKINGSTN-RHINEBCK_115_ER	ER	115	220	234	256	26222	45.19
ELBRIDGE_345_115_BK 1	BK 1	345	542	621	796	25448	288.89
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	141	144	165	26097	3.64
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	6.5
ELBRIDGE-HYATT_115_10-979	15-EH	115	156	171	182	25109	39.54
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1562	1912	25149	362.45
ELBRIDGE-LAKELAND_115_4	4	115	190	208	221	325316	18.91
ELBRIDGE-MILTON_C_115_18	18-EM	115	156	159	159	26095	12.71
ELBRIDGE-STATE_ST_115_5-972	5-972	115	299	343	358	25107	88.58
ELBRIDGE-STATE_ST_115_6-710	6-710	115	297	306	337	326377	62.58
ELM_ST_-SENECA_230_71	71	230	223	254	262	26426	12.05
ELM_ST_-SENECA_230_72	72	230	223	254	262	26427	12.25
ELWOOD_138_69_BK 3	BK3	138	129	156	203	26540	94.53
ELWOOD_-PULASKI_69_670	670	69	132	146	156	26610	92.78
ENDICOTT-RANGEHL_115_920	920	115	149	149	149	26158	16.82
ENDICOTT-ROBBLEAV_115_948	948	115	263	263	263	26159	38.58
ENORWICH-CTYLINE_115_918	918	115	149	172	179	325280	38.27
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729	0
EPULASKI-LIGHTHSE_115_2	2	115	139	144	159	327228	21.46
ERIE E_-S.RIPLEY_230_69	69	230	587	637	637	25016	13.62
ERIE_ST_-PAVMNTRD_115_926	926	115	252	268	268	26175	3.63
ESTOLERD-STOLLERD_345_28	28	345	800	800	800	327463	79.88
ETNA_-CLRKSCRN_115_715	715	115	282	290	320	325728	79.02
ETNA_-CLRKSCRN_115_947	947	115	222	229	242	325727	79.02
ETNA_-WILLET_115_945	945-2	115	155	171	181	25731	57.69
EUCLID_-HOPKINS_115_11	11	115	268	293	317	326784	92.38
EUCLID_-WOODARD_115_17	17	115	268	293	317	326785	65.89
EVERETRD-MENANDS_115_10	10	115	222	234	239	326642	93.42
EVERETRD-MENANDS_115_15	15	115	222	234	239	326643	32.2
FAGEDARY-CENTERST_115_9	9	115	156	170	181	327077	19.77
FAIRFIEL-INGHAM_C_115_3	3	115	141	144	159	26106	68.66
FAIRPORT-ELBRIDGE_115_2	2	115	176	181	209	26099	24.36
FAIRPORT-HOOK_TAP_115_1	1	115	176	181	183	26327	8.82
FALCONER-SOUTHDOW_115_153	153	115	156	171	182	26033	1.33
FALCONER-SOUTHDOW_115_154	154	115	156	171	182	26032	8.54
FARMGTN_115_12_BK 3	BK 3	115	26	32	44	325380	8.7
FARMGTN_115_34_BK 1	BK 1	115	72	82	112	70259	31.83
FARMGTN_115_34_BK 2	BK 2	115	64	74	100	70258	7.89
FARMGTN_-BORDRCTY_115_4-977	977	115	187	208	221	25057	0
FARMGTN_-HAMLTNNM_115_7-983	7-983	115	152	167	176	26101	35.28
FARRAGUT_345A_138A_BK 1Y	BK 1Y	138	198	246	266	325083	136.17

FARRAGUT_345A_138A_BK 2X	BK 2X	138	121	145	155	325084	61.89
FARRAGUT_345A_138A_BK 2Y	BK 2Y	138	199	253	273	325085	0
FARRAGUT_345A_138A_BK 3Y	BK 3Y	138	220	255	275	325087	137.74
FARRAGUT_345A_138A_BK 4Y	BK 4Y	138	224	241	260	325089	136.02
FARRAGUT_345A_138A_BK 5Y	BK 5Y	138	211	230	235	325081	40.08
FARRAGUT_345A_138A_BK 6X	BK 6X	138	121	145	156	325090	62.16
FARRAGUT_345A_138A_BK 6Y	BK 6Y	138	199	254	275	325091	135.27
FARRAGUT_345A_138C_BK 9X	BK 9X	345	130	174	216	25636	8.16
FARRAGUT_345A_138D_BK 10X	BK 10X	345	130	174	216	25637	8.62
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	0
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	0
FARRAGUT-FARRAGUT_138_38B11	38B11	138	211	230	235	326542	40.08
FARRAGUT-GOWANUS_345_41	41	345	724	899	1356	25141	139.71
FARRAGUT-GOWANUS_345_42	42	345	724	899	1356	25140	139.71
FARRAGUT-HUDS_AVE_138_32077	32077	138	121	146	156	25291	8.62
FARRAGUT-HUDS_AVE_138_32711	32711	138	129	154	167	25293	8.09
FARRAGUT-PLYMTHST_138_32072	32072	138	121	145	155	326588	61.89
FARRAGUT-PLYMTHST_138_32076	32076	138	173	191	197	326589	62.16
FARRAGUT-PLYMTHST_138_32078	32078	138	129	154	168	25292	7.34
FARRCKWY-CEDRHRST_69_256	256	69	143	157	168	26566	24.22
FARRCKWY-WOODMERE_69_259	259	69	120	136	143	26597	30.53
FENERWND-WHITMAN_115_8	8	115	224	239	239	326865	12.21
FERNDAL-EEWDBURNY_115_959	959	115	90	90	90	26180	20.49
FEURABSH-GREENBSH_115_17	17	115	222	234	278	25862	16.36
FEURABSH-NCATSKLL_115_2	2-FN	115	141	144	165	25067	64.29
FISHKPLN-EFISHKIL_115_HF	HF	115	286	301	372	26227	84.63
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	238	239	239	25066	75.89
FITZPTRK-EDIC_345_FE-1	FE-1	345	1434	1434	1661	25077	521.19
FIVE_MIL-VALLEY44_115_152	152	115	156	171	182	326174	15.02
FIVE_MIL-VALLEY44_115_167	167	115	156	171	182	326173	6.65
FIVEMILE_345_115_BK1	TR1	345	597	597	597	326175	100.85
FIVEMILE-ESTOLERD_345_29	29	345	1195	1195	1195	327464	0
FLATROCK-BROWNFLS_115_2	2-FBF	115	139	146	161	26079	37.34
FLATSTR-EELPOTRD_115_722	722	115	143	157	167	325287	1.69
FORGEBRK-MERTPARK_115_WF	WF	115	225	251	282	26229	11.51
FORTDRUM-N.CARTHG_115_2	2-DT	115	130	144	159	26090	15.47
FOXHILLS-WILLWBRK_138_29211	29211-1	138	207	275	450	25771	72.83
FOXHILLS-WILLWBRK_138_29212	29212-1	138	207	275	450	25772	71.29
FRASANNX-COOPERS_345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	448.3
FRASER_345_115_BK 2	BK 2	345	356	420	420	25391	129.61
FRASER_-COOPERS_345_33	33	345	1793	1793	1793	25236	432.35
FRASER_-GILBOA_345_GF5-35	GF5-35	345	1746	1896	1971	25060	128.97
FRASERNY-DELHI_TP_115_951	951-3	115	255	255	255	26202	129.04
FREEPORT-NEWBRDGE_138_461	461	138	218	284	406	25155	190.83
FRESHKLS_138_33_T22E	T22E	138	131	186	186	327069	36.05
FRESHKLS_138C_138A_R1_21191	21191	138	371	429	483	25639	169.66
FRESHKLS_138C_138B_R2_21192	21192	138	348	438	499	25640	169.75

FRESHKLS_345_138_TA 1	TA 1	138	371	429	483	25457	170.17
FRESHKLS_345_138_TB 1	TB 1	138	379	437	499	25458	170.2
FRNKYONG-CALSPAN_115_181-922	181-922	115	179	197	211	326277	60.1
FRNKYONG-WALDENNG_115_182	182	115	211	217	242	326279	59.39
FRONT_ST-ROSA_RD_115_11	11	115	239	239	239	26274	54.94
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	119	119	159	25502	30.64
FULLRHWL-MORGANRD_115_937	937	115	239	239	239	325223	2.05
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	3.57
GARDNVLA-LANGNERD_115_903	903	115	255	255	255	325284	32.92
GARDNVLA-STOLLERD_230_66	66	230	613	673	765	25180	123.77
GARDNVLA_230_1__BK6P	BK6P	230	370	419	420	25405	0
GARDNVLA_230_1__BK7P	BK7P	230	245	296	300	25435	0
GARDNVLB_230_115_TR 2	BK 2	230	422	518	666	25385	57.04
GARDNVLB_230_115_TR 3	BK 3	230	382	462	462	25416	37.15
GARDNVLB_230_115_TR 4	BK 4	230	382	462	462	25417	56.19
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	9.47
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	0
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	27.5
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	27.87
GARDNVLB-COBLENM_115_152	152-1	115	227	249	268	26023	23.18
GARDNVLB-DUNKIRK_230_73	73	230	680	689	705	25166	0
GARDNVLB-DUNKIRK_230_74	74	230	633	633	633	25197	43.46
GARDNVLB-GARDNVLA_115_T1012	T1012	115	308	308	308	25085	55.58
GARDNVLB-GARDNVLA_115_T1112	T1112	115	300	313	327	326149	3.6
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	689	689	689	25089	4.51
GARDNVLB-WALDENNG_115_54-921	54-921	115	227	249	268	26035	13
GE_R_D_-GROOMS_115_20_15	20_15	115	245	257	294	26266	8.07
GELCKHM_-WETZEL_115_14	14-CG	115	268	293	317	326189	50.06
GETZVL60-AYERREND_115_36	36	115	211	217	255	26049	26.86
GETZVL60-AYERREND_115_37	37	115	211	217	255	26048	26.95
GILBOA_-LEEDS_345_GL3	GL3	345	1762	1896	2241	25219	404.43
GILBOA_-N.SCTLND_345_GNS-1	GNS-1	345	1746	1896	2103	25052	21.11
GINNA_-PANNELRG_115_912	912	115	289	305	312	25260	80.65
GINNA_-S124_115_913	913	115	272	280	306	26281	95.75
GINNA_-STA_135_115_909	909	115	282	298	313	325837	86.77
GINNA_-STA_135_115_937	937	115	297	325	358	325838	86.77
GINNA_-STA_204_115_908	908-1	115	322	360	415	26282	118.8
GINNA_-STA_204_115_911	911	115	320	358	414	26283	111.85
GIRDLERD-STOLLERD_115_706	706	115	238	239	239	325161	18.09
GLDNBRGD-CROTONFL_115_991	991	115	261	287	311	326416	1.55
GLENWDGT-ROSLYN_138_364	364	138	359	380	421	25556	82.41
GLENWOOD_138_69_BK 5	BK 5	138	128	156	203	25735	75.37
GLENWOOD_138_69_BK 6	BK 6	138	128	156	208	70637	70.99
GLENWOOD-CARLPLCE_138_363	363	138	308	368	405	25554	81.74
GLENWOOD-GLENWDGT_138_366	366	138	354	375	415	25555	82.41
GOETHALS_345_1__BK1P	1N	345	897	1130	1271	325129	0
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	11

GOETHALS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	170.19
GOETHALS-FRESHKLS_345_22	22	345	1285	1618	1817	25137	170.19
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	316.51
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	316.51
GOLAH_-MORTIMER_115_110	110	115	141	144	159	26034	70.88
GORDONRD_345_230_TR-G1	TR-G1	230	760	760	760	327483	0
GORDONRD_345_230_TR-G3	TR-G3	230	783	885	1195	327484	0
GORDONRD-N.SCTLND_345_55	55	345	1624	1782	1929	327492	138.5
GORDONRD-ROTTRDAM_230_30	30	230	597	688	753	327485	139.6
GORDONRD-ROTTRDAM_230_31	31	230	597	688	753	327486	139.9
GOUDEY_-ROBBLEAV_115_940	940	115	262	262	262	325166	28.71
GOUVNEUR-BATTHILL_115_8	8-GBH	115	93	101	106	26066	23.39
GOWANUS_138A_138B_PAR R14	PAR R14	138	273	338	407	25794	99.89
GOWANUS_138A_138B_PAR R2	PAR R2	138	413	516	600	25793	129.91
GOWANUS_345_138_BK T14	BK T14	138	309	407	421	25475	100
GOWANUS_345_138_BK T2	BK T2	138	413	516	600	25476	0
GOWANUS_345KV_REA_R41_REACTR	R41_REA	345	687	896	1315	26001	139.7
GOWANUS_345KV_REA_R42_REACTR	R42_REA	345	687	896	1315	26003	0
GOWANUS_-GOETHALS_345_25	25	345	561	748	1241	25139	140.76
GOWANUS_-GOETHALS_345_26	26	345	561	748	1241	25571	0
GOWANUS_-GREENWD_138_42231	42231	138	273	387	516	25214	129.91
GOWANUS_-GREENWD_138_42232	42232	138	273	338	407	25215	99.89
GOWANUSA-GREENWD_138_42G24	42G24	138	270	307	322	26007	89.98
GOWANUSC-GREENWD_138_42G13	42G13	138	259	307	322	26006	0
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	149	172	215	26478	14.96
GREENBSH-FT_ORAN_115_15	15	115				26130	11.51
GREENBSH-REGENRON_115_4	4	115	268	288	317	325649	0
GREENBSH-STEPHTWN_115_993	993	115	121	135	159	26447	0
GREENDGE-FLATSTR_115_968	968	115	133	149	162	26185	18.02
GREENDGE-MONTRFL_115_967	967	115	133	149	162	26184	35.47
GREENDGE-MONTRFL_115_970	970	115	145	160	178	26183	41.82
GREENLWN_138_69_BK5	BK5	138	129	156	203	26655	70.72
GREENLWN-ELWOOD_138_673	673	138	381	589	667	25546	268.35
GREENLWN-SYOSSET_138_676	676	138	262	364	655	25548	157.05
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	14.18
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	16.33
GRIFSAFB-REVERCOP_115_4	4	115	128	135	152	327447	24.03
GRISLD64-NIAGB130_115_182	182	115	211	217	255	26014	80.99
GROOMS_-JOHNSON_115_13-14	13	115	268	293	317	26267	72.91
GRS_LOCK-GELCKHM_115_8	8	115	190	208	221	26103	44.15
GRS_LOCK-HARRISRD_115_16	16-GT	115	141	144	165	26102	47.1
GRS_LOCK-SORELHIL_115_9	9	115	176	181	197	326801	39.52
GUARDIAN-HALEYRD_115_969	969	115	270	270	270	26167	53.48
HAGUE_RD-TICONDRG_115_2	2	115	62	62	62	326738	28.73
HAGUE_RD-TICONDRG_115_4	4	115	62	62	62	326739	8.51
HALEYRD_-GREENDGE_115_969	969	115	240	270	297	325294	25.68
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	176	181	199	26096	45.28

HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	34	42	56	25394	10
HAMRHILL-INDK-OSW_115_6	6	115	139	144	161	26114	39.87
HANAWAFL-COLTON__115_5	5	115	222	234	278	326185	12.62
HANCOCK_HAZEL__115_955	955-1	115	90	90	90	26187	0
HARNGCRN-W.NYACK_69_701	701	69	141	154	160	26259	7.5
HARRISRD-TILDEN__115_16	16-GT	115	141	144	165	326815	19.12
HARSNRAD-ROBNSNRD_115_907	907	115	260	286	310	26162	12.05
HAUPPAUG-C_ISLIP_138_889	889	138	248	383	422	25681	113.76
HAZEL__FERNDAL_115_955	955-2	115	119	120	120	26181	9.74
HDSNBRDG-DEWITT__115_10	10	115	340	373	414	325260	64.11
HDSNBRDG-DEWITT__115_7	7	115	340	373	414	325261	45.92
HELLGT_W-ASTORIAW_138_24052	24052	138	188	264	447	25211	7.23
HELLTP_W-HELLGT_W_138_15055L	15055L	138	242	321	400	25573	195.2
HELLTP_W-HELLGT_W_138_15055M	15055M	138	242	321	400	26729	195.2
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	4.2
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	4.18
HELLGT_W-ASTORIAW_138_24051	24051	138	188	264	447	25210	14.31
HELLGT_W-ASTORIAW_138_24053	24053	138	171	207	207	25212	86.19
HELLGT_W-ASTORIAW_138_24054	24054	138	171	207	207	25213	85.82
HELLGT_W-ASTORIAW_138_24056	24056	138	183	270	284	26461	14.3
HEWLETT_VALLYSTR_69_260	260	69	128	157	168	325286	46.15
HICKLING-CATON__115_958	958	115	120	120	120	26189	7.81
HICKLING-YAWGERRD_115_964	964	115	149	164	175	26188	15.27
HILLBURN_138_69_BK 317	BK 317	138	210	270	287	26330	35.47
HILLBURN-RAMAPOOR_138_52	52	138	210	270	287	25882	35.47
HILLBURN-S.MAHWAH_69_65	65	69	165	181	188	26263	16.94
HILLSIDE_230_1_BK3P	BK3P	230	299	336	336	325759	0
HILLSIDE_230_1_BK4P	BK4P	230	462	543	560	325760	16.1
HILLSIDE-CHEMUNG_115_962	962	115	171	188	224	25726	55.75
HILLSIDE-WATRCURE_230_69	69	230	645	663	711	25181	166.02
HINMAN_-HARSNRAD_115_908	908	115	297	306	306	26161	149.7
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	50.72
HOLBROOK_138_69_BK 1	BK 1	138	258	304	338	69378	124.12
HOLBROOK_138_69_BK 2	BK 2	138	122	136	136	69376	54.95
HOLBROOK-NSHORBCH_138_884	884	138	402	441	489	25341	64.53
HOLBROOK-SILLSRD_138_872	872	138	563	599	681	25340	32.93
HOLBROOK-WEST BUS_138_888	888	138	574	616	682	25542	204.39
HOLTSVLE-UNIONAVE_138_818	818	138	181	236	310	25584	83.23
HOLTSVLE-WEST BUS_138_876	876	138	529	591	670	325974	0
HOLTSVLE-WEST BUS_138_877	877	138	559	599	664	325909	0
HOMER C_-HOMR_NYW_345_48	48	345	1508	1713	1789	326213	116
HOMER_HL-FIVE_MIL_115_169	169	115	270	297	324	26452	39.46
HOMER_HL-FIVE_MIL_115_170	170	115	270	297	324	26022	39.46
HOMER_HL-NILE__115_157	157-1	115	107	117	123	26041	4.87
HOMR_NYW-PIERC_NY_345_48	48	345	1508	1713	1789	326214	115.96
HOMRC_NY-MAINS_NY_345_47	47	345	1482	1631	1900	326121	131.4
HONK_FLS-ELLENVTP_69_WH	WH2	69	51	56	59	26234	23.7

HOOK_TAP-FARMGTN_115_7-983	7-983	115	176	181	199	26100	26.56
HOPATCON-RAMAPO__500_5018	5018	500	1156	1450	1915	25019	200
HOPKINS_-TEALLAVE_115_11	11	115	239	239	239	26105	71.45
HUDS_AVE-JAMAICA_138_701	701	138	161	246	409	25294	12.02
HUDS_AVE-JAMAICA_138_702	702	138	161	246	409	25295	12.02
HUDS_AVE-WATERSTR_138_32077T	32077T	138	217	262	337	326577	8.62
HUDSON_-FALLSPRK_115_20-731	20-731	115	227	248	268	326939	0
HUDSON_-VALKIN__115_15	15	115	227	248	268	26514	0
HUDSONP_-FARRAGUT_345_B3402	B3402	345	464	643	877	25020	0
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	0.01
HUNTLEY_-ELM_ST__230_70	70	230	432	477	491	25855	39.28
HUNTLEY_-PEROXYCM_115_39	39	115	211	217	242	26044	38.5
HUNTLEY_-SAWYER__230_79	79	230	691	760	848	25127	145.53
HUNTLEY_-SAWYER__230_80	80	230	691	760	848	25128	188.39
HUNTLEY_-SWETH224_115_37	37	115	190	190	190	26045	14.77
HUNTLEY_-TWOMLCRK_115_38	38	115	176	181	209	26047	39.23
HUNTLEY_-YOUNG214_115_36	36	115	210	210	210	26046	14.66
HURLYAVE_115_69_TR 3	TR 3	115	119	141	167	25837	21.1
HURLYAVE_345/115_BK 1	BK 1	345	486	560	560	25419	209.85
HURLYAVE-LINCNP RK_115_HP	HP	115	243	267	293	25833	92.49
HURLYAVE-ROSETON_345_303	303	345	1713	1885	1912	25218	452.91
HURLYAVE-STURGNPL_115_HS	HS	115	211	224	241	25834	80.56
HYATT__115_34_BK 1	BK 1	115	61	76	100	70329	15.11
HYATT_-BORDRCTY_115_10-979	979	115	155	170	179	25106	24.28
IMC_TAP_-MECO__115_15-IM	15-IM	115	152	166	175	26132	13.01
INDCORTH-SPIERFLS_115_18	18	115	112	130	156	26149	133.09
INDK-OSW-EPULASKI_115_2	2	115	139	144	159	25503	39.87
INDPDNCE_345_18_TB 5	MT 5	345	215	235	255	68303	161.01
INDPDNCE_345_18_TB 6	MT 6	345	215	235	255	68304	40.6
INDPDNCE-SCRIBA__345_25	25	345	1918	2115	2390	25859	0.1
INGHAM_C_115_115_PAR 2	PAR 2	115	197	234	239	25242	120.04
INGHAM_C-INGHAM_E_115_R81	R81	115	222	234	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7	115	114	124	124	25061	42.28
INGHAM_E-FAGEDARY_115_9	9	115	128	135	152	25863	23.58
INGHAM_E-IMC_TAP__115_15	15-II	115	128	135	152	25871	25.2
INGHAM_E-STJHNVLE_115_6	6-IS	115	104	107	122	26133	27.1
JAMAICA_-LAKSUCSS_138_903	903	138	271	350	428	25090	198.58
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	307	368	441	25048	99.31
JENNISON-HANCOCK_115_954	954	115	173	191	200	26186	8.94
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	47.89
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	18.91
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	89.76
KATONAH_-AMAWALK_115_995	995	115	261	287	311	325279	30.22
KATONAH_-GLDNBRGD_115_991	991	115	261	287	311	26157	27.81
KENTAVE_-GREENWD_138_31232	31231-2	138	195	249	310	25299	192.14
KINGS__-WEST BUS_138_881	881	138	569	610	675	326911	160.28
KNAPPCRN_115_69_TR 2	TR 2	115	48	59	60	25838	6.9

KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	238	262	291	26240	15.85
KNAPPCRN-SPACKILL_115_SK	SK	115	238	262	291	325777	40.11
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	10.93
LABDELFE-FENERWND_115_3	3	115	130	144	161	326864	13.45
LADENTWN-BOWLINE_345_68	68	345	777	837	837	25249	91.02
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	614.61
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1976	2387	2895	25248	301
LAFAYTTE-CLRKSCRN_345_4-46	4-46	345	1279	1410	1793	25049	648.94
LAFAYTTE-DEWITT_345_22	22	345	1643	1643	1643	25174	293.55
LAKELAND-BELMONT_115_4	4	115	190	208	221	326804	28.67
LAKEVIEU-CLVRBANK_115_142	142	115	107	117	123	325881	23.49
LAKSUCSS_138_69_BK 5	BK 5	138	258	304	338	26603	98.92
LAKSUCSS_138_69_BK 6	BK 6	138	258	304	338	325098	90.42
LAKSUCSS_138A_138B_PAR	B_PAR	138	271	350	427	25593	199.74
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	43.63
LAONA_-MOONROAD_115_172	172	115	107	117	123	326591	12.38
LAONA_-MOONROAD_115_173	173	115	107	117	123	326592	12.38
LASHERRD-TAPBLSTN_115_43	43	115	478	478	478	327083	9.5
LAUREL L-GOUDEY_115_952	952	115	133	149	162	25012	85.6
LAWRNCV-HANAWAFL_115_5	5	115	268	293	317	26085	7.41
LAWRNCV-SUGARISL_115_4	4	115	268	293	317	326186	5.51
LEEDS_-ATHENS_345_95	95	345	1624	1783	1946	25789	4.72
LEEDS_-HURLYAVE_345_301	301	345	1713	1885	1912	25055	0
LEEDS_-PLSNTVLY_345_92	92	345	1624	1783	1912	25056	792.72
LIGHTHSE-EWATRTWN_115_5	5	115	141	144	151	25504	28.63
LIGHTHSE-MALLORY_115_7	7-CL	115	141	144	165	25521	13.03
LINCNPBK-EKINGSTN_115_LR	LR	115	243	260	282	26223	56.22
LINDEN_-GOETHALS_230_A2253	A2253	230	760	847	956	25017	10.91
LINDN_CG-LNDVFT_345_V-3022	V-3022	345	325	415	436	325657	277.03
LINE8TAP-WOLF_RD_115_8	8	115	141	144	165	326641	53.56
LITTLRIV-COLTON_115_8	8	115	93	101	106	25514	6.55
LITTLRIV-PYRITES_115_7	7	115	93	101	106	326402	4.02
LNGRD209-GARDNVLB_115_180	180	115	194	199	233	326282	81.24
LOCKPORT-HINMAN_115_100	100	115	268	293	317	25087	130.95
LOCKPORT-NAKRON_115_108	108	115	158	162	187	25266	37.58
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	39.28
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	28.93
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	54.44
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	24.83
LOCKPORT-TELGRAPH_115_114	114-1	115	174	191	199	25264	36.37
LOCUSTGR-NEWBRDGE_138_558	558	138	353	584	664	25158	116.03
LONG_MTN-CRICKVLY_345_398	398	345	1533	1935	2242	25033	137.41
LONGLANE-LAFARGE_115_6	6	115	141	144	159	25864	0
LOVETT_138_69_BK 147	BK 147	138	94	130	149	26331	16.69
LOVETT_-BOWLINOR_138_56	56	138	191	230	321	25877	7.59
LOVETT_-STONYPNT_138_54	54	138	187	228	308	25885	1.06
LOWVILLE-KRAFTFOD_115_5	5	115	128	135	152	26075	9.54

LUDLUM_-BENETTRD_115_161	161-3	115	213	225	242	326230	20.21
LUDLUM_-BENETTRD_115_162	162-2	115	213	225	242	326229	18.36
LUTHERFT-MALTA___115_43	43	115	213	292	324	325889	17.16
LUTHERFT-MALTA___115_44	44	115	213	292	318	325890	3.92
LUTHERFT-MULBRYNM_115_308	308	115	311	318	318	325742	49.91
LUTHERFT-STILWATR_115_3	3	115	311	341	375	26477	36.73
LYON_MTN-KNTFSRNC_115_1(911)	911	115	149	172	204	26205	4.15
LYSANDER-SORELHIL_115_13	13	115	234	256	277	326799	41.11
MACHIAS_-VALLEY44_115_152	152	115	156	171	175	326172	0.58
MACHIAS_-VALLEY44_115_167	151	115	145	160	178	326169	6.64
MADISON_-GRIFSAFB_115_4	4	115	128	135	152	327446	32.56
MADISON_-ROME___115_3	3	115	141	144	165	327442	16.62
MAINESBG-WATRCURE_345_30	30	345	1278	1410	1434	25018	65.99
MALLORY_-WETZEL___115_7	7-CL	115	224	224	224	326206	38.94
MALONE_-NICHVLLE_115_3	3-NM	115	168	199	199	25585	2.44
MALONE_-WILLIS___115_1-910	1-MW	115	168	173	173	25586	93.98
MALTA___-TAPBLSTN_115_44	44	115	268	293	317	325892	9.49
MANCHSTR-SPACKILL_115_MC	MC	115	243	267	293	325776	66.17
MAPLE140-BUFALO54_115_38	38	115	211	217	255	326157	27.44
MAPLE140-BUFALO54_115_39	39	115	211	217	255	326158	26.81
MAPLEAVE-CHURCH_S_115_10	10	115	156	168	168	26120	8.03
MAPLEWOD-WTRVLARS_115_19	19	115	168	212	239	25870	52.66
MAPLEWOD-WTRVLARS_115_31	31	115	168	188	239	25844	71.86
MARCY___765_345_AT2	BK 2	765	1926	2378	2390	25456	329.99
MARCY___765_345_BK 1	BK 1	765	1756	1756	1756	25455	374.96
MARCY_-EDIC___345_UE1-7	UE1-7	345	2187	2390	2390	25229	266.36
MARCY_-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	455.77
MARCY_-N.SCTLND_345_18	18	345	1793	2034	2241	25276	432.29
MARION_-FARRAGUT_345_C3403	C3403	345	454	645	841	25038	0
MARSHVLE-CLINTON_115_12	12	115	152	158	158	325267	2.99
MASSENA_765_230_AT1	BK 1	765	1288	1378	1872	25665	87.57
MASSENA_765_230_AT2	BK 2	765	1288	1378	1872	25666	87.46
MASSENA_-MARCY___765_MSU1	MSU1	765	5300	5300	5300	25224	704.95
MCADOO_-DEKALB___115_4	4	115	93	101	106	26064	9.03
MCADOO_-LITTLRIV_115_8	8	115	93	101	106	326404	6.53
MCADOO_-MCINTYRE_115_8	8	115	156	159	159	326410	6.49
MCINTYRE-CORNING_115_6	6	115	156	158	159	26108	0.13
MCINTYRE-OGDNSBRG_115_2	2	115	55	55	55	326406	13.42
MCKNOWNV-NEWKRMKL_115_8	8	115	337	373	414	26499	117.36
MECO___-CENTERST_115_22	22	115	152	153	153	327075	8
MENANDS_-REYNOLDS_115_2	2-MR	115	255	282	316	26135	115.77
MENANDS_-RIVERSDE_115_3	3-MR	115	298	344	414	26134	120.49
MENANDS_-WTRVLARS_115_19	19	115	156	170	181	326246	55.79
MERTPARK-WICCOPEE_115_WP	WP	115	244	260	282	325772	36.16
MEYER___230_1__BK4P	BK4P	230	223	268	268	325765	11.5
MEYER_-CANANDGA_230_60	60	230	591	649	715	325604	66.04
MEYER_-MORAINE_115_966	966	115	149	172	191	26166	9.53

MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	195.39
MIDDLERD-BABBITSC_115_6	6	115	141	144	165	326735	23.76
MIDDLETP_345_138_BK 114	BK114	345	506	587	671	26465	195.67
MIDDLETP-ROCKTVRN_345_CCRT-34	MTR-34	345	1918	2115	2390	26464	318.16
MILAN__-PLSTVYCH_115_10	10	115	169	187	199	26433	16.8
MILAN__-RHINEBCK_115_MR	MR	115	219	232	239	26242	20.43
MILLERPL-HOLBROOK_138_885	885	138	517	577	654	26691	72.62
MILLIKEN-ETNA____115_974	974	115	231	260	286	26177	18.79
MILLIKEN-ETNA____115_975	975	115	231	260	286	26178	20.23
MILLWOOD_345_138_TA 1	TA 1	138	248	333	359	25530	45.78
MILLWOOD_345_138_TA 2	TA 2	138	234	305	321	25531	49.3
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	680.29
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	645.88
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	645.26
MILTON_C-GRS_LOCK_115_18	18-MG	115	156	171	182	26104	6.67
MILTR210-SUMMIT97_115_129	129	115	239	294	299	326288	109.71
MILTR210-SUMMIT97_115_130	129	115	239	317	317	326291	101.38
MNTNDALE-WWDBURNY_115_957	957	115	133	138	138	325616	22.92
MODENA__115_69_BK1	BK1	115	40	50	53	26325	0.5
MODENA__OHIOVLE_115_PX	PX	115	285	310	349	25835	7.89
MOHANSIC_115_13_BK 2	BK 2	115	26	28	33	26482	9.51
MOHANSIC_115_13_BK 4	BK 4	115	26	28	33	26483	7.53
MOHICAN_-BATNKILL_115_15	15	115	270	297	324	26122	11.39
MOHICAN_-SCHAGCKT_115_309	309	115	227	248	268	26687	15.26
MONSEY_-BURNS____138_601	601	138	456	478	500	325608	59.01
MONTRFL_-CODNIGTN_115_982	982	115	133	149	162	25728	17.21
MONTRFL_-RIDGE_RD_115_963	963-2	115	133	149	162	26196	27.5
MONTRFL_-RIDGE_RD_115_978	978-2	115	133	149	162	26197	26.81
MOONROAD-FALCONER_115_175	175	115	107	117	123	26030	20.41
MOONROAD-FALCONER_115_176	176	115	107	117	123	26031	20.27
MORGANRD-LANGDON_115_936	936	115	238	239	239	325224	15.39
MORTIMER-FAIRPORT_115_1	1	115	168	181	188	25163	52.19
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	32.54
MORTIMER-SHELBY76_115_114	114	115	158	158	199	326129	5.1
MORTIMER-STA_56____115_24	24-1	115	156	171	182	25096	49.56
MORTIMER-STA_89____115_25	25	115	139	146	162	25095	58.31
MOSES____230_115_AT1	BK 1	230	526	589	719	25411	58.1
MOSES____230_115_AT2	BK 2	230	526	589	719	25451	57.7
MOSES____230_115_AT3	BK 3	230	220	276	288	25452	22.54
MOSES____230_115_AT4	BK 4	230	551	598	719	25453	57.65
MOSES__-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	0
MOSES__-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	39.67
MOSES__-ALCOA_PA_115_MAL6	MAL6	115	257	281	284	25581	107.02
MOSES__-GRASRIVR_115_MAL4	MAL4	115	291	319	350	25582	111.13
MOSES__-GRASRIVR_115_MAL5	MAL5	115	265	265	265	25583	111.12
MOSES__-MASSENA_230_MMS1	MMS1	230	1279	1378	1593	25274	87.59
MOSES__-MASSENA_230_MMS2	MMS2	230	1279	1378	1593	25275	87.47

MOSES_-MED-ENGS_115_MRG1	MRG1	115	223	237	259	26328	116.54
MOSES_-MED-ENGS_115_MRG2	MRG2	115	223	237	259	26335	89.27
MOSES_-REYNLDPA_115_MR3	MR3	115	223	224	224	26332	0
MOSES_-WILLIS_230_MW1	MW1	230	447	473	517	25188	7.1
MOSES_-WILLIS_230_MW2	MW2	230	447	473	517	25271	7.06
MOTTHAVN_345_138_TR6	TR6	345	549	651	724	325428	59.7
MOTTHAVN_345_138_TR7	TR7	345	549	651	724	325426	58.7
MOTTHAVN_345_138_TR8	TR8	345	549	651	724	325427	60.5
MOTTHAVN_345_138_TR9	TR9	345	549	651	724	325429	60.3
MOTTHAVN-RAINEY_345_Q11	Q11	345	741	858	1309	325430	254.1
MOTTHAVN-RAINEY_345_Q12	Q12	345	741	858	1309	325431	237.31
MOUNTAIN-SWANROAD_115_103	103	115	224	250	282	26054	73.05
MOUNTAIN-SWANROAD_115_104	104	115	224	250	282	26053	0
MULBRYNM-EASTOVER_115_308	308	115	227	248	268	26475	55.52
MUMFRD50-GOLAH_115_119	119	115	168	185	196	326560	12.4
N_SALEM-BATNKILL_115_989	989	115	45	52	57	26448	2.38
N.AKRON_-BATAVIA_115_107	107	115	159	159	159	25124	21.98
N.AKRON_-BATAVIA_115_108	108	115	152	159	159	25125	23.41
N.CARTHG-TAYLORVL_115_8	8	115	119	119	119	26431	22.42
N.END_115_46_BK 1	BK 1	115	70	71	75	25849	48
N.END_-ASHLEYRD_115_702	702	115	351	386	434	25846	56.78
N.END_-PLATSBRG_115_701	701	115	239	239	239	25848	114.7
N.HEMPST-WHAVSTOR_138_530	530	138	282	309	321	26506	12.4
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	25.72
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	24.27
N.SCTLND-ALBANY_115_8	8-NA	115	340	373	414	25496	86.42
N.SCTLND-ALPS_345_2	2	345	1278	1410	1792	25217	439.55
N.SCTLND-ALTAMONT_115_20	20-NV	115	141	144	165	25492	48.71
N.SCTLND-BETHLHEM_115_4	4-NB	115	311	313	313	25497	71.2
N.SCTLND-FEURABSH_115_3	3-NF	115	311	341	375	25495	9.35
N.SCTLND-LEEDS_345_93	93	345	1534	1692	1912	25171	537.95
N.SCTLND-LEEDS_345_94	94	345	1534	1692	1912	25203	534.66
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	26.91
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	0.72
N.SCTLND-VORHVSLE_115_19	19-NV	115	141	144	165	25493	41.27
N.TROY_-EASTOVER_115_306	308	115	227	248	268	326095	9.22
N.TROY_-EASTOVER_115_307	10	115	227	248	268	326096	8.33
N.TROY_-HOOSICK_115_5	5-NHF	115	268	293	317	26131	4.88
N.TROY_-SYCAWAY_115_14-988	14-NW	115	227	248	268	26137	41.48
N.TROY_-SYCAWAY_115_16	16-NR	115	227	248	268	26139	56.89
NANGOLA_-DELEMTER_115_141	141	115	107	117	123	325872	13.81
NANGOLA_-DELEMTER_115_142	142	115	107	117	123	325879	10.58
NANGOLA_-SILVRCRK_115_141	141	115	107	117	123	325871	3.91
NANGOLA_-SILVRCRK_115_142	142	115	107	117	123	325878	1.17
NANOTECH-MCKNOWNV_115_2	2	115	337	373	414	326637	96.76
NBRDWYNG-ERIE_ST_115_181-922	181-922	115	146	160	178	26011	34
NCATSKLL_115_69_TR 4	TR 4	115	145	163	187	25839	22.88

NCATSKLL_115_69_TR 5	TR 5	115	143	143	143	25818	22.88
NCHELSEA_115_69_BK TR1	BK TR1	115	145	160	176	25836	10.61
NCHELSEA-FISHKPLN_115_NF	NF	115	255	290	315	26228	12.95
NCHELSEA-FORGE BRK_115_FO	FO	115	225	251	282	26230	21.43
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	649.5
NESCNSSET-HOLBROOK_69_673	673	69	132	146	156	326339	9.57
NEVRSNK_-NVRSK_TP_69_WH	WH1-2	69	101	114	121	26244	3.05
NEWBRDGE_138_69_BK 6	BK 6	138	130	159	212	26604	60.31
NEWBRDGE_138_69_BK 7	BK 7	138	130	159	212	26605	65.64
NEWBRDGE_345_138_BK_1	BK 1	345	417	525	597	325301	324.74
NEWBRDGE_345_138_BK_2	BK 2	345	450	469	562	325302	324.74
NEWBRDGE-BAGATLRD_138_563	563	138	402	579	658	25536	12.34
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	649.68
NEWBRDGE-EGRDNCTY_138_467	467	138	268	399	669	325378	25.38
NEWBRDGE-RULAND__138_561	561	138	297	326	349	25305	80.98
NEWBRDGE-RULAND__138_562	562	138	295	323	346	25306	80.97
NEWBRDGE-RULAND__138_567	567	138	256	398	641	325379	80.52
NEWKRMKL-ALBANY__115_7	7	115	340	371	413	325257	132.12
NIAGARA_230_115_AT1	BK T1	230	240	345	479	25409	22.7
NIAGARA_230_115_AT2	BK T2	230	275	349	414	25410	3.3
NIAGARA_345_230_AT3	BK 3	345	433	542	564	25408	77.77
NIAGARA_345_230_AT4	BK 4	345	864	1006	1127	25449	140.88
NIAGARA_345_230_AT5	BK 5	345	433	542	564	25450	77.77
NIAGARA_-DYSINGER_345_ND1	ND1	345	1590	1744	1793	327443	168.83
NIAGARA_-DYSINGER_345_ND2	ND2	345	1591	1745	1904	327456	168.23
NIAGARA_-LNGRD209_115_180	180	115	243	249	297	25104	88.58
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	73.05
NIAGARA_-MOUNTAIN_115_121	121	115	40	40	40	326182	7.37
NIAGARA_-MOUNTAIN_115_122	122	115	40	40	40	326183	7.36
NIAGARA_-PACKARD_115_191	191	115	449	567	597	25075	136.37
NIAGARA_-PACKARD_115_192	192	115	449	567	597	25099	158.6
NIAGARA_-PACKARD_115_193	193	115	449	567	597	25100	118.64
NIAGARA_-PACKARD_115_194	194	115	449	567	597	25101	118.64
NIAGARA_-PACKARD_115_195	195	115	359	359	475	25102	138.55
NIAGARA_-PACKARD_230_61	61	230	767	844	949	25186	252.5
NIAGARA_-PACKARD_230_62	62	230	717	717	949	25220	247.42
NIAGARA_-ROBNSNRD_230_64	64	230	638	678	764	25088	165.63
NIAGARA_-SANBORN_115_101	101	115	349	369	411	326180	76.75
NIAGARA_-SANBORN_115_102	102	115	349	369	411	25103	75.8
NIAGB130-ECWABALP_115_181-922	181-922	115	211	217	255	26057	74.76
NIAGB130-ECWABALP_115_182	182	115	211	217	255	326278	72.3
NICHLVLE-PARISHVL_115_3	3-PN	115	156	170	181	26110	11.57
NILE__-ANDOVER_115_157	157-2	115	128	135	152	26016	21.16
NINEMILE-CLAY__345_8	8	345	1278	1410	1624	25167	672.26
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	30.64
NINEMILE-SCRIBA__345_9	9	345	1278	1410	1792	25359	54.15
NO.LEROY-MUMFRD50_115_119	119	115	168	185	196	326559	12.43

NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	15.06
NORFOLK_-LAWRNCAV_115_4	4	115	268	293	317	326397	13.27
NRTH1385-NOR HBR_138_601	601	138	147	200	409	325597	33.5
NRTH1385-NOR HBR_138_602	602	138	147	200	409	325598	33.4
NRTH1385-NOR HBR_138_603	603	138	147	200	409	325599	33.17
NRTH1385-NRTHPORT_138_NNC	1385	138	441	569	569	25035	100.06
NRTHPORT_138_138_PS2	138_PS2	138	473	488	586	25599	182.1
NRTHPORT_138N_138E_PAR 1	E_PAR 1	138	491	569	569	25598	100.1
NRTHPORT-ELWOOD__138_678	678	138	356	582	659	25543	281.62
NRTHPORT-ELWOOD__138_681	681	138	358	612	677	25544	302.45
NRTHPORT-PILGRIM_138_672	672	138	175	288	417	25307	132.31
NRTHPORT-PILGRIM_138_677	677	138	352	575	667	25308	264.38
NRTHPORT-PILGRIM_138_679	679	138	357	579	667	25309	264.38
OAKDALE_345_1__BK3P	BK 3	345	489	577	600	25399	203
OAKDALE_230_115_BK 1	BK 1	230	318	398	398	25400	14.46
OAKDALE_345_115_BK 2	BK 2	345	542	557	597	25401	204.71
OAKDALE_-DELHI__115_919	919	115	171	179	179	25897	6.13
OAKDALE_-ENDICOTT_115_938	938	115	175	175	175	26198	95.97
OAKDALE_-FRASER__345_32	32	345	1314	1314	1314	25235	60.08
OAKDALE_-GOUDEY__115_939	939	115	292	321	352	26182	136.73
OAKDALE_-KATTLVLE_115_943	943	115	171	188	200	26201	67.4
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199	83.61
OAKFIELD-BATAVIA_115_112-2	112-2	115	156	162	181	25126	28.61
OAKSTRET-CORPDRIV_138_704	704	138	235	309	431	326882	57.33
OAKWD232-LOCKPORT_115_36	36	115	199	199	199	326369	52.45
OAKWD232-LOCKPORT_115_37	37	115	199	199	199	326372	52.55
OAKWOOD_-ELWOOD__138_674	674	138	380	589	667	25545	194.76
OAKWOOD_-SYOSSET_138_675	675	138	262	364	656	25547	159.44
OHIOVLE-HIGHLAND_115_OR	OR	115	223	234	278	26247	37.75
ONEIDA_-GRNEMPFM_115_2	2-OT	115	141	144	159	25895	39
ONEIDA_-SHERILPL_115_6	6	115	141	144	159	26113	21.57
ONEIDA_-WALESVIL_115_7	7	115	141	144	159	26115	49.31
OSWEGO__345_115_BK 7	BK 7	345	576	657	774	25372	312.81
OSWEGO_-ELBRIDGE_345_17	17	345	1278	1410	1792	25234	651.33
OSWEGO_-S.OSWEGO_115_3	3-OS	115	209	250	250	25507	127.06
OSWEGO_-S.OSWEGO_115_5	5-OS	115	209	250	250	25508	127.06
OSWEGO_-S.OSWEGO_115_8	8-OS	115	318	318	318	25509	45.76
OSWEGO_-VOLNEY__345_11	11	345	1278	1410	1792	25199	209.71
OSWEGO_-VOLNEY__345_12	12	345	1278	1410	1792	25201	209.71
OWENSCRN-SABICO__115_9	9	115	141	144	165	325737	18.66
PACKARD_230_115_BK 3	BK 3	230	233	250	250	25414	11.23
PACKARD_230_115_BK 4	BK 4	230	235	250	250	25415	32.58
PACKARD_-LNGRD209_115_182	182	115	243	249	297	26056	94.5
PACKARD_-MILTR210_115_129	129	115	239	317	317	25906	116.82
PACKARD_-MILTR210_115_130	130	115	239	317	317	26059	107.2
PACKARD_-NIAGB130_115_181-922	181-922	115	194	199	233	26055	84.27
PACKARD_-SAWYER__230_77	77	230	680	747	836	25164	231.28

PACKARD_-SAWYER_230_78	78	230	680	747	836	25195	231.11
PALMITER-BENNETT_115_932	932	115	95	100	111	26165	33.08
PANNELL_345_115_4T	BK 4	345	582	598	598	326315	59.49
PANNELL_345_115_5T	BK 5	345	582	598	598	326316	59.3
PANNELL_345_115_6T	BK 6	345	582	598	598	326317	62.62
PANNELL_-CLAY___345_1	1	345	1195	1315	1673	25058	342.62
PANNELL_-CLAY___345_2	2	345	1195	1315	1673	25050	343.7
PANNELRG-FARMGTN_115_4-977	4-977	115	298	343	364	25080	101.34
PANNELRG-STA_56___115_24	24	115	156	171	182	26285	84.35
PANNELRG-STA_56___115_25	25	115	156	171	181	26284	77.77
PARISHVL-COLTON___115_3	3-CP	115	156	170	181	25241	8.73
PATRVLE-ROTTRDAM_115_10	10-AR	115	141	144	155	26428	29.03
PATROON_-NANOTECH_115_6	6	115	340	373	414	25866	74.74
PATROON_-PATRTAP_115_15	15	115	170	188	239	25867	32.2
PATRTAP_-EVERETRD_115_15	15	115	148	166	166	26493	42.8
PAVMNTRD-STOLLERD_115_926	926	115	299	335	358	325220	14.91
PAWLING_-TILYFSTR_115_994	994	115	299	312	312	25902	13.04
PEARLRVR-HARNGCRN_34_45	45	34	25	29	32	26278	1.78
PEAT ST_-HDSNBRDG_115_10	10	115	224	250	291	26648	64.11
PEAT ST_-HDSNBRDG_115_7	7	115	340	373	414	26649	15.7
PEBLHILL-DEWITT___115_19	19	115	227	249	268	327232	108.33
PEROXYCM-TWOMLCRK_115_39	39	115	176	181	209	327141	38.5
PETERBOR-ONEIDA___115_5	5	115	127	127	127	25896	15.16
PIERCBRK-FIVEMILE_345_37	37	345	1195	1195	1195	326225	76.78
PILGRIM_138B_138A_PAR	138_PS2	138	347	371	422	25604	140.24
PILGRIM_-HAUPPAUG_138_871	871	138	346	370	422	25550	139.96
PILGRIM_-KINGS___138_880	880	138	566	607	672	25537	180.16
PINEBUSH-SANDCREK_115_12	12	115	141	144	165	326635	52.4
PINEBUSH-WOODLAWN_115_35	35	115	141	144	165	326633	18.46
PINEGROV-FLYROAD___115_3	3	115	268	293	317	327238	44.7
PLATSBRG_230_1___AT4	BK 4P	230	322	375	420	325801	43.1
PLATSBRG_230_115_AT2	AT2	230	292	320	356	326870	52.2
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	26.23
PLATSBRG-PLATSBRG_115_PS1TM	PS1TM	115	179	179	224	325732	38.84
PLSNTVLE_345_13_BK 1	BK 1	138	64	70	70	25477	21.34
PLSNTVLE_345_13_BK 2	BK 2	138	64	70	70	25478	20.77
PLSNTVLE-DUNWODIE_345_W89	W89	345	2213	2402	2675	25182	723.04
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	752.74
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	379.65
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	379.65
PLSNTVLY-WOOD_ST_345_F30	F30	345	1976	2384	2895	25237	794.89
PLSNTVLY-WOOD_ST_345_F31	F31	345	1976	2384	2895	25238	0
PLSTVYCH_115_69_TR 10	TR 10	115	134	143	143	25840	38.3
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	160.98
PLSTVYCH-INWOOD___115_X1	X-1	115	219	232	255	26209	46.47
PLSTVYCH-MANCHSTR_115_M	M	115	243	267	293	26208	84.52
PLSTVYCH-TODDHILL_115_C	C	115	255	302	334	325156	66.35

PLYMTHST-HUDS_AVE_138_32078	32078	138	173	265	477	326581	7.34
PORTER_-DERFIELD_115_8	8	115	127	127	127	26116	18.97
PORTER_-VALLEY_115_4	4-PV	115	141	144	165	25231	73.03
PORTER_-WATKINRD_115_5	5-PW	115	141	144	165	25232	84.19
PORTJEFF_138_69_BK 7	BK 7	138	127	156	208	25601	54.41
PORTJEFF_138_69_BK 8	BK 8	138	130	159	212	25600	55.02
PORTJEFF-HOLBROOK_138_862	862	138	330	365	401	25539	46.32
PORTJEFF-HOLBROOK_138_886	886	138	367	389	430	25540	47.22
PYRITES_-DEKALB_115_7	7	115	93	101	106	26065	4.07
QUAKERRD-MACEDON_115_930	930	115	68	85	112	25093	28.97
QUAKERRD-PANNELRG_115_914	914	115	265	295	312	25261	1.12
QUAKERRD-PANNELRG_115_925	925	115	350	370	412	25682	40.8
QUAKERRD-SLEIGHT_115_13-980	980(13)	115	187	206	221	25079	52.73
QUAKERRD-STA_204_115_908	908	115	289	305	335	26286	88.67
QUENBRDG-VERNON_138_31281	31281	138	413	550	602	25159	380.7
QUENBRDG-VERNON_138_31282	31282	138	413	550	602	25160	364.87
QUENSBRD-CEDAR_115_10	10	115	156	170	181	26140	31.72
QUENSBRD-SHERMAN_115_17	17-QS	115	141	144	165	26142	40.65
RAINEY_-E75THSTA_138_38M35	38M35_2W	138	150	214	234	327306	78
RAINEY_-FARRAGUT_345_61	61	345	608	801	1286	25152	355.96
RAINEY_-FARRAGUT_345_62	62	345	739	854	1293	25253	313.57
RAINEY_-FARRAGUT_345_63	63	345	608	801	1286	25254	340.37
RAINEY_-VERNON_138_36311	36311	138	280	325	413	25296	3.36
RAINEY_-VERNON_138_36312	36312	138	295	353	409	25297	17.66
RAMAPO_345_138_BK 1300	1300	345	592	677	743	25441	77.2
RAMAPO_345_138_BK 2300	2300	345	592	677	743	25442	77.2
RAMAPO_345_345_PAR3500	PAR3500	345	740	901	1150	25370	99.99
RAMAPO_345_345_PAR4500	PAR4500	345	728	931	1093	25371	99.98
RAMAPO_500_345_BK 1500	BK 1500	345	1160	1419	1923	25656	200
RAMAPO_-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	594.77
RAMAPO_-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	405.43
RAMAPO_-SUGARLOF_345_76	76	345	2271	2271	2271	326219	577.67
RAMAPOOR-STRLFRST_138_26	26	138	282	309	321	326302	42.58
RAMAPOOR-TALLMAN_138_60	60	138	456	478	500	25880	104.86
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	16.31
REGENRON-GREENBSH_115_9	9	115	426	470	537	327081	157.56
REGENRON-RVSD_TAP_115_4	4	115	282	288	330	327082	3.35
REVERCOP-ROME_115_4	4	115	141	144	165	26072	12.52
REYNOLDS_345_115_BK 2	BK 2	345	550	598	699	25403	213.98
REYNOLDS-ALPS_345_1	1	345	1912	1912	1912	25587	446
REYNOLDS-GERENSLR_115_31	31	115	255	282	317	326247	78.57
REYNOLDS-REGENRON_115_9	9	115	426	470	537	26129	150.73
REYNOLDS-RVSD_TAP_115_4	4	115	268	288	317	325648	24.91
RICHFELD-ESPRGFLD_115_7-942	942	115	143	157	167	26176	40.95
RIDGE_RD-HILLSIDE_115_963	963	115	133	149	162	26190	0.07
RIDGE_RD-HILLSIDE_115_978	978-1	115	133	149	162	26191	1.67
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	21.5

RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	81.34
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	100.54
RIVRHEAD_138_69_BK 7	BK 7	138	130	159	208	26622	45.22
RIVRHEAD_138_69_BK 8	BK 8	138	127	156	208	26623	39.29
RIVRHEAD-WILDWOOD_138_912	912	138	340	445	493	327372	56.21
ROBNSNRD_230_1__BK1P	BK 1	230	380	420	420	25395	13.1
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	140.48
ROCHESTR_345_115_BK 1	BK 1	345	582	629	630	25412	91.23
ROCHESTR_345_115_BK 2	BK 2	345	389	476	478	25432	103.66
ROCHESTR_345_115_BK 3	BK 3	345	582	629	630	25446	93.63
ROCHESTR_345_115_BK 5	BK 5	345	546	630	630	325381	183.07
ROCHESTR-PANNELL__345_RP1	RP1	345	1591	1745	1904	25192	247.92
ROCHESTR-PANNELL__345_RP2	RP2	345	1591	1745	1904	25172	248.62
ROCK_CUT-TILDEN__115_18	18	115	227	239	239	326281	0
ROCKHILL-MNTNDALE_115_957	957	115	184	192	200	325615	26.44
ROCKTVRN_345_115_BK TR1	BK TR1	345	485	530	530	25406	105.03
ROCKTVRN_345_115_BK TR3	BK TR3	345	485	533	560	26168	106.74
ROCKTVRN-RAMAPO__345_77	77	345	2271	2271	2271	25183	664.09
ROCKTVRN-SUGARLOF_345_76	76	345	2271	2271	2271	326218	694.26
ROCKTVRN-UNION_CH_115_RJ	RJ	115	171	188	239	326347	35.78
ROME__ -TURNSTON_115_1	1-RO	115	239	239	239	26112	34.59
RONKOKMA-HOLBROOK_138_875	875	138	547	587	650	25541	5.8
ROSA_RD_-GE_R_D__115_14	14	115	245	257	294	26145	26.51
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1034.34
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	302.75
ROTTRDAM_230_115_BK 6	BK 6	230	406	462	478	25407	104.21
ROTTRDAM_230_115_BK 7	BK 7	230	346	396	448	25392	100.97
ROTTRDAM_230_115_BK 8	BK 8	230	377	427	474	25413	80.73
ROTTRDAM-BURDECK__115_17	17-RB	115	141	144	165	25129	21.01
ROTTRDAM-BURDECK__115_19	19-RB	115	141	144	165	26146	27.86
ROTTRDAM-CURRY_RD_115_11	11	115	268	293	317	25869	1.51
ROTTRDAM-EASTOVER_230_38	38	230	511	564	637	326094	6.87
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147	80.33
ROTTRDAM-PINEBUSH_115_35	35	115	141	144	165	25865	6.86
ROTTRDAM-SWAGRTWN_115_44	44	115	476	476	476	26430	47.09
RULAND_-HOLBROOK_138_882	882	138	527	588	666	25538	65.96
RULAND_-PILGRIM_138_661	661	138	515	575	589	25310	60.53
RULAND_-PILGRIM_138_662	662	138	560	582	582	25311	60.53
RUTHROAD-LINE8TAP_115_8	8	115	141	144	165	326639	43.84
RUTHROAD-PINEBUSH_115_12	12	115	227	248	268	326634	41
RYAN__ -PLATSBRG_230_RYP-2	RYP-2	230	292	320	356	25273	43.11
RYNDS_HL-HIGHLAND_115_HR	HR	115	220	234	256	325825	21.15
RYNDS_HL-INWOOD__115_IR	IR	115	219	232	255	26248	33.41
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	56.53
S.OSWEGO-CLEARWTR_115_9	9	115	199	199	199	25510	66.5
S.OSWEGO-CURTIS__115_10	10	115	199	199	199	25511	66.22
S.OSWEGO-HAMRHILL_115_6	6	115	141	144	165	25513	39.99

<i>S.OSWEGO-NINEMILE_115_1</i>	1-SN	115	141	144	159	25501	36.69
<i>S.OWEGO_-GOUDEY_115_961</i>	961	115	143	157	167	25725	23.53
<i>S.OWEGO_-NWAVERLY_115_962</i>	962-2	115	143	157	167	25727	23.6
<i>S.PERRY_-MEYER_115_934</i>	934	115	106	116	120	26194	10.42
<i>S.PERRY_-MEYER_230_87</i>	87	230	506	556	603	326586	78
<i>S.RIPLEY-DUNKIRK_230_68</i>	68	230	597	607	607	25045	13.64
<i>S124___115A_115B_PS1</i>	PS1	115	176	242	414	325930	85.24
<i>S124___115A_115B_PS2</i>	PS2	115	176	242	414	325931	85.24
<i>S42___115_115_PS920</i>	PS920	115	230	230	230	327073	0.16
<i>S42___-S124___115_932</i>	932	115	213	233	237	325827	84.83
<i>S42___-S124___115_938</i>	938	115	213	230	230	325972	84.83
<i>SABICO_-FEURABSH_115_9</i>	9	115	268	293	317	326028	18.7
<i>SABICO_-LONGLANE_115_7</i>	7	115	199	199	199	26501	21.67
<i>SALAMANC_HOMER_HL_115_153</i>	153	115	156	159	159	325763	14.66
<i>SALAMANC_HOMER_HL_115_154</i>	154	115	156	170	181	325764	18.05
<i>SANBORN_-LOCKPORT_115_101</i>	101	115	285	300	318	25267	71.1
<i>SANBORN_-SHAWNERD_115_102</i>	102	115	350	371	413	326179	75.8
<i>SAND_BAR-PLATSBURG_115_PV20</i>	PV20	115	236	307	320	25027	105.77
<i>SANDCREK-LINE8TAP_115_8</i>	8	115	141	144	165	326640	9.58
<i>SANDCREK-STATE_CA_115_12</i>	12	115	148	166	166	326636	52.6
<i>SANDDOCK-NCHELSEA_115_SC</i>	SC	115	255	282	315	26249	20.56
<i>SAWYER_230_23_TB1</i>	TB1	230	100	140	140	325047	43.98
<i>SAWYER_230_23_TB2</i>	TB2	230	100	140	140	325048	44.79
<i>SAWYER_230_23_TB3</i>	TB3	230	100	140	140	325049	42.58
<i>SAWYER_-HUNTLEY_230_77</i>	77	230	691	760	848	325043	187.3
<i>SAWYER_-HUNTLEY_230_78</i>	78	230	691	760	848	325044	186.32
<i>SAWYER_-SUNY_BUF_230_79</i>	79	230	691	760	800	325045	145.53
<i>SAWYER_-SUNY_BUF_230_80</i>	80	230	691	760	848	325046	145.81
<i>SCHAGCKT-EASTOVER_115_10</i>	10	115	227	248	268	327071	75.73
<i>SCHAGCKT-MULBRYNM_115_3</i>	3	115	227	248	268	327072	36.88
<i>SCHODACK-GREENBSH_115_13</i>	13	115	227	248	268	325804	115.6
<i>SCHUYLER-PORTER_115_13</i>	13	115	224	239	239	326142	44.3
<i>SCOTAFIT-MASONCR_115_909</i>	909	115	189	207	221	325702	4.03
<i>SCRIBA_-FITZPTRK_345_FS-10</i>	FS-10	345	1434	1434	1662	25076	326.15
<i>SCRIBA_-VOLNEY_345_20</i>	20	345	1474	1626	1881	25204	677.27
<i>SCRIBA_-VOLNEY_345_21</i>	21-SV	345	1912	1912	1912	25314	887.39
<i>SEBATHIA-EBATAVIA_115_119</i>	119	115	268	293	317	326098	6.5
<i>SENECA_-GARDNVLB_230_71</i>	71	230	241	241	241	25856	12.24
<i>SENECA_-GARDNVLB_230_72</i>	72	230	241	241	241	25857	12.44
<i>SHALETON-CLVRBANK_115_141</i>	141	115	107	117	123	325875	23.24
<i>SHALETON-LAKEVIEU_115_141</i>	141	115	107	117	123	325874	21.21
<i>SHAWNERD-LOCKPORT_115_102</i>	102	115	285	300	318	26052	69.42
<i>SHAWNERD-LOCKPORT_115_103</i>	103	115	199	199	199	26051	55
<i>SHELBY76-SWEDEN_115_111</i>	111	115	270	297	324	326393	24.6
<i>SHENDOAH-EFISHKIL_115_EF</i>	EF	115	243	267	293	26251	87.16
<i>SHERILPL-YAHNUNDA_115_6</i>	6	115	141	144	154	326740	2.91
<i>SHERMAN_-SPIERFLS_115_17</i>	17-SS	115	141	144	159	26148	28.71

SHERMCRK-ACADEMY_138_331	331	138	345	431	546	325755	96.76
SHERMCRK-ACADEMY_138_332	332	138	345	431	546	325754	96.75
SHERMCRK-E179THST_138_15031	15031	138	184	235	371	25156	102.28
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	101.14
SHOEMAKR_138_69_BK 711	BK 711	138	212	281	319	26694	58.66
SHOEMAKR_138_69_BK 811	BK 811	138	193	225	253	326024	73.28
SHOEMAKR-CHESTROR_138_27	27	69	282	309	321	26466	59.4
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	0.02
SHORE_RD_345_138_BK 1	BK 1	345	487	534	641	25439	363.51
SHORE_RD_345_138_BK 2	BK 2	345	513	534	641	25440	339
SHORE_RD-GLENWOOD_138_365	365	138	367	389	430	25205	152.95
SHORE_RD-GLENWOOD_138_366	366	138	575	622	715	25154	157.78
SHORE_RD-LAKSUCSS_138_367	367	138	249	365	623	25145	194.54
SHORE_RD-LAKSUCSS_138_368	368	138	250	366	625	25150	194.54
SHOREHAM-MILLERPL_138_879	879	138	527	588	666	25117	47.6
SHOREHAM-WILDWOOD_138_863	863	138	566	601	684	25115	49.13
SHOREHAM-WILDWOOD_138_867	867	138	528	590	668	25114	48.29
SIDNEYRR-DELHI__115_949	949	115	116	127	127	326184	38.18
SLEIGHT_115_34_BK 1	BK 1	115	43	51	67	70523	17.58
SLEIGHT_115_34_BK 2	BK 2	115	43	51	67	70524	20.58
SLEIGHT-CLYDE__115_3-971	971(3)	115	143	143	143	26686	14.57
SMAHWAH_345_138_BK 258	258	345	441	516	569	25393	80.23
SMAHWAH-RAMAPO__345_69	69	345	1601	2015	2268	25021	154.86
SMAHWAH-RAMAPO__345_70	70	345	1822	2015	2433	25259	127.72
SMITHBRD-WEIBELAV_115_2	2	115	282	288	318	325903	12.84
SMITHBRD-WEIBELAV_115_302	302	115	268	292	317	325904	15.91
SMITHFLD-SALISBRY_69_690/FV	690	69	60	60	60	25619	10.04
SODEMNRD-LASHERRD_115_2	1	115	478	478	478	327085	34.46
SODEMNRD-TAPBROOK_115_2	2	115	541	594	648	326827	80.45
SODEMNRD-TAPBROOK_115_302	302	115	541	594	648	326825	17.9
SORELHIL-ANHRBUSH_115_9	9	115	234	256	277	326802	58.33
SORELHIL-BELMONT_115_13	13	115	227	229	229	326800	40.92
SOUTHDOW-CARRSCRN_115_153	153	115	156	170	181	326162	5.2
SOUTHDOW-CARRSCRN_115_154	154	115	156	170	181	326164	2.04
SOUTHWOD-PEBLHILL_115_19	19	115	227	249	268	327231	81.61
SPENCPT-STA_113_115_947	947	115	143	151	161	326080	50.4
SPIERFLS-BUTLER_115_4	4-SFB	115	128	135	152	26136	29.75
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	12.08
SPIERFLS-MOHICAN_115_7	7	115	141	144	165	26435	24.84
SPIERFLS-QUENSBRY_115_5	5-SFQ	115	141	144	165	26141	39.03
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	20.26
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	12.32
SPRINGVL-ARCADE__115_151	151	115	156	171	182	326167	12.3
SPRINGVL-MACHIAS__115_152	152	115	156	161	161	326171	9.56
SPRNBRK_345_138_BK N7	BK N7	345	382	451	472	25628	145.61
SPRNBRK_345_138_BK S6	BK S6	345	382	451	472	25625	143.67
SPRNBRK-ACADEMY_345_M29	M29	345	536	775	1369	325756	194.37

SPRNBK_-DUNWODIE_138_99942	99942	138	409	438	464	25246	145.35
SPRNBK_-DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	393.98
SPRNBK_-DUNWOODN_138_99941	99941	138	414	465	465	25245	143.23
SPRNBK_-EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	0
SPRNBK_-TREMONT_345_X28	X28	345	542	725	1220	25175	234.52
SPRNBK_-W49TH_ST_345_M51	M51	345	799	956	1543	25053	485.52
SPRNBK_-W49TH_ST_345_M52	M52	345	832	979	1542	25223	485.52
STA_1185-STA_180_-115_907	907	115	77	95	111	326235	15.17
STA_128_-STA_82_-115_906	906	115	129	129	129	26303	18.18
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	23.11
STA_135_-STA_230_-115_929	929	115	281	298	313	325839	102.9
STA_158_-STA_128_-115_924	924	115	155	171	179	26654	14.19
STA_162_-S.PERRY_115_906- 7X	906-7X	115	143	157	167	25062	1.02
STA_162_-STA_1185_115_907	907	115	121	149	174	325254	7.87
STA_162_-STA_158_-115_924	924	115	155	171	179	26653	8.89
STA_204_-115_34_BK 1	BK 1	115	56	67	112	70539	29.53
STA_204_-115_34_BK 2	BK 2	115	56	67	112	70540	29.33
STA_204_-S124_-115_911	911	115	272	280	306	26307	82.1
STA_23_-STA_262_-115_944	944	115	400	538	640	70028	20.6
STA_23_-S42_-115_920	920	115	230	230	230	70027	0.13
STA_23_-STA_255R_115_941	941	115	299	398	398	327242	74.68
STA_230_-QUAKERRD_115_929	929	115	297	325	358	325840	96.08
STA_251_-MORTIMER_115_901	901	115	222	234	278	25097	59.9
STA_251_-STA_33_-115_942	942	115	245	261	283	326100	26.5
STA_251_-STA_33_-115_943	943	115	245	261	283	326101	71.8
STA_255_345_115_1TRANS	1TRANS	345	583	672	672	327207	81
STA_255_345_115_2TRANS	2TRANS	345	583	672	672	327208	81
STA_255_-ROCHESTR_345_40	40	345	1595	1751	1912	327209	10.93
STA_255_-ROCHESTR_345_HR1	HR1	345	1591	1745	1904	327243	7.01
STA_255_-ROCHESTR_345_HR2	HR2	345	1591	1745	1904	327244	7.01
STA_255R-STA_418_-115_940	940	115	300	604	717	327241	86.43
STA_262_-STA_33_-115_943	943	115	400	640	640	326414	25.84
STA_33_-115_34_BK10	BK 1_2	115	74	80	90	70541	45.97
STA_33_-115_34_BK8	BK 8	115	85	95	125	325836	45.7
STA_37_-STA_48_-115_926	926	115	351	373	414	26314	62.78
STA_37_-STA_67_-115_926	926	115	250	280	300	26313	92.07
STA_418_-STA_113_-115_947	947	115	153	167	178	326069	59.09
STA_56_-QUAKERRD_115_23	23	115	176	180	180	26288	75.34
STA_56_-STA_82_-115_23	23	115	176	181	209	26287	41.78
STA_67_-ROCHESRG_115_922	922	115	343	390	398	26321	103.54
STA_67_-STA_418_-115_910	910	115	289	305	335	326048	6.55
STA_67_-STA_82_-115_903	903	115	343	416	433	26322	20.84
STA_69_-STA_71_-115_945	945	115	129	145	161	326238	0.38
STA_69_-STA_93_-115_917	917	115	151	167	175	326237	7.89
STA_7_-STA_48_-115_919	919	115	272	280	306	26302	37.94
STA_7_-STA_48_-115_927	927	115	263	294	348	326039	40.27
STA_7_-STA_93_-115_917	917	115	143	149	159	26301	15.09

STA_70_-SPENCPRT_115_947	947	115	143	151	161	326343	34.67
STA_71_-STA_70__115_946	946	115	143	151	161	326342	17.11
STA_82_-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	131.38
STA_82_-ROCHESRG_115_904	904	115	596	651	717	25081	163.53
STA_82_-ROCHESRG_115_905	905	115	608	669	697	26305	148.77
STA_82_-STA_251__115_902	902	115	224	250	278	70058	26.46
STA_82_-STA_48__115_916	916	115	458	542	564	326055	64.79
STA_89_-STA_56__115_25	25	115	139	146	162	327090	66.93
STATE_CA-PATRTAP__115_15	15	115	170	188	239	26494	42.8
STATE_ST-WRGHTAVE_115_976	976	115	231	239	239	26200	93.98
STERLING_138_69_BK 3	BK 3	138	233	290	321	26524	105.15
STERLING-RULAND__138_663	663	138	233	290	321	26498	105.36
STILWATR-MULBRYNM_115_3	3	115	311	341	375	327460	36.82
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	0
STLAWRNC_230A_230C_PS 33	PS 33	230	288	430	431	25118	0.5
STLAWRNC_230B_230D_PS 34	PS 34	230	356	375	525	25119	0
STLAWRNC-MOSES__230_L33P	L33P	240	359	430	519	25026	0.46
STLAWRNC-MOSES__230_L34P	L34P	240	420	490	519	25037	0
STOLLERD_345_115_BK 3	BK 3	345	372	420	420	25461	40.07
STOLLERD_345_115_BK 4	BK 4	345	382	420	420	25462	39.81
STOLLERD-HISHELDN_230_67	67	230	521	573	621	25064	15.38
STONBROK-PORTJEFF_69_877	877	69	132	146	156	326336	24.01
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	78.74
STONER_-VAILMILL_115_12	12	115	121	121	121	25680	3.13
STONYRDG_230_115_BK1	BK1	230	291	336	336	325811	69.43
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	33.25
STURGNPL_115_69_BK8	TR 8	115	120	141	153	326293	13.3
STURGNPL-OHIOVLE_115_OR	OR	115	223	234	242	326294	64.96
SUGARISL-COLTON__115_4	4	115	222	234	278	26084	9.13
SUGRLOAF_345_138_BK1112	BK1112	345	456	478	500	326220	113.55
SUGRLOAF_69_138_BK 6108	BK 6108	138	194	234	309	26333	37.86
SUGRLOAF_69_138_BK 7108	BK 7108	138	192	226	253	25891	42.23
SUGRLOAF-STRLFRST_138_261	261	138	282	309	321	25326	77.7
SULLVNP-KSTONYRDG_115_712	712	115	277	320	320	325809	69.07
SUMMIT97-BUFALO78_115_130	129	115	239	317	317	326292	93.34
SUMMIT97-WALCK_RD_115_129	129	115	239	317	317	326289	87.86
SUNY_BUF-GARDNVLB_230_79	79-1	230	691	760	790	25165	132.07
SUNY_BUF-GARDNVLB_230_80	80-1	230	691	760	810	25196	127.03
SWAGRTWN-ROTTRDAM_115_1	1	115	478	478	478	26429	81.14
SWANROAD-LOCKPORT_115_104	104	115	199	199	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	211	217	242	326181	61.33
SWEDEN_-BROCKP74_115_111	111	115	129	149	153	326130	32.06
SWEDEN_-BROCKP74_115_113	113	115	174	191	204	326132	25.66
SWEDEN_-MORTIMER_115_111	111	115	167	167	199	25347	7.56
SWEDEN_-MORTIMER_115_113	113	115	158	158	199	25348	9.81
SWEDEN_-SHELBY76_115_113	113	115	174	191	204	326131	19.34
SWETH224-GETZVL60_115_36	36	115	211	217	255	326365	20.8

SWETH224-GETZVL60_115_37	37	115	211	217	255	326366	20.84
SYCAWAY_-REYNOLDS_115_16	16-NR	115	227	248	268	327373	57.29
SYCAWAY_-WYNTKLMN_115_14-988	14-NW	115	227	248	268	327374	58.87
SYLVANLK-PAWLING_115_990	990	115	239	239	239	26156	61.95
SYOSSET_138_69_BK 5	BK 5	138	258	304	338	26565	128.97
SYOSSET_-LOCUSTGR_138_559	559	138	520	580	657	25904	161.8
TALLMAN_-MONSEY__138_602	602	138	456	478	500	325609	80.31
TAPBLSTN-SWAGRTWN_115_44	302	115	268	293	317	327088	80.9
TAYLORVL-BREMEN__115_6	6	115	130	144	159	26070	22.96
TAYLORVL-LOWVILLE_115_5	5-TL	115	128	135	152	26107	31.41
TEALLAVE-ASH____115_7-TA	7-TA	115	123	148	148	26063	38
TEALLAVE-ASH____115_8-AT	8-AT	115	123	148	148	26117	38
TEALLAVE-CROUSEHD_115_13	13	115	239	239	239	326066	5.78
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	49.32
TEALLAVE-SALCARBM_115_6	6	115	227	239	239	26154	25.75
TELGRAPH_115_34_114_BK 2	BK 2	115	66	79	79	26509	17.91
TELGRAPH_115_34_115_BK 1	BK 1	115	66	79	79	26013	18.36
TELGRAPH-AKRONVIL_115_107	107	115	231	231	231	26508	35.79
TELGRAPH-SHELBY76_115_114	114	115	174	191	204	25349	18.16
TEMPLE_-PEAT ST_115_10	10-TP	115	145	176	179	26715	50.14
TERMINAL-PORTER__115_6	6	115	243	249	297	326140	46.46
TERMINAL-SCHUYLER_115_7	7	115	141	144	165	326141	17.13
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	62	62	62	26470	13.12
TILDEN_-SOUTHWOD_115_19	19	115	222	234	239	26092	65.6
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	9.44
TNWD206-OAKWD232_115_36	36	115	275	291	310	326368	47.94
TNWD206-OAKWD232_115_37	37	115	275	291	310	326371	48.12
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	38.28
TREMONT_138A_138B_BK 11	BK 11	138	271	329	377	25649	115.68
TREMONT_138C_138D_BK 12	BK 12	138	271	329	377	25650	118.35
TREMONT_345_138_BK 11	BK 11	345	299	350	407	25473	115.8
TREMONT_345_138_BK 12	BK 12	138	299	350	407	25474	118.49
TREMONT_-PARKCHTR_138_38X01	38X01	138	251	363	550	25120	57.71
TREMONT_-PARKCHTR_138_38X02	38X02	138	251	363	550	25121	57.71
TREMONT_-PARKCHTR_138_38X03	38X03	138	270	397	550	25122	58.13
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	59.95
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	19.31
TULLYCTR-ROCK CUT_115_18	18	115	268	275	275	326280	51.3
TURIN_RD-MADISON_115_3	3	115	141	144	165	327441	22.38
TURNSTON-ONEIDA__115_1	1-RO	115	168	187	216	327129	40.42
TWOMLCRK-BUFAL129_115_38	38	115	176	181	209	327229	37.44
TWOMLCRK-BUFAL129_115_39	39	115	176	181	209	327230	36.66
UNION_CH-BETHLMRD_115_UB	UB	115	171	188	202	326345	16.36
UNIONVAL-CROTONFL_115_991	991	115	239	239	239	326417	60.09
URBAN154-DALEROAD_115_39	39	115	211	217	255	326152	19.2
URBAN154-WALDENNG_115_38	38	115	211	217	255	326151	20.06
VAILMILL-CHURCH_S_115_12	12	115	141	141	141	327079	27.32

VALKIN_-SCHODACK_115_14	14	115	227	248	268	326937	0
VALLEY_-FAIRFIEL_115_12	12	115	141	144	165	325743	46.59
VALLYSTR_138A_138B_PAR	B_PAR	138	313	368	441	25607	99.67
VALLYSTR-BARRETT_138_291	291	138	204	289	400	25312	115.18
VALLYSTR-BARRETT_138_292	292	138	196	281	394	25313	130.38
VALLYSTR-EGRDNCTY_138_261	261	138	271	369	650	327260	34.01
VALLYSTR-EGRDNCTY_138_262	262	138	189	278	418	25244	59.1
VERNON__138A_138B_PAR R1	PAR R1	138	370	431	510	325712	0
VERNON_-GREENWD_138_31231	31231	138	195	249	310	25337	212.97
VERNON_-KENTAVE_138_31232	31232-1	138	195	249	310	26123	192.58
VERNON_-W49TH_ST_138_38M72	38M72	138	168	252	252	325122	55.1
VINEGRHL_138_27_TR1	TR1	138	213	277	365	327488	2.8
VINGR_TP-VINEGAR_115_917 TAP	917 TAP	115	149	172	215	26455	2.78
VOLNEY_-CLAY__345_6	6	345	1474	1626	1881	25198	682.74
VOLNEY_-MARCY__345_19	19	345	1434	1793	2390	25345	454.66
W.ASHVLE-BAKER_ST_115_160	160-2	115	245	257	294	327111	4.96
W.NYACK_138_69_BK 221	BK 221	138	212	281	312	26334	42.9
W.NYACK_-SNKEHLRD_138_562	562	138	212	281	312	325906	42.9
W_ERIAVE-HICKLING_115_935	935	115	169	190	208	325568	10.89
W_ERIAVE-SULLVNP_K_115_711	711	115	299	327	360	325808	48.58
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	143.55
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	146.27
WADNGRIV-NSHORBCH_138_878	878	138	450	600	682	325642	49.91
WADNGRIV-SHOREHAM_138_891	891	138	527	589	667	25342	49.89
WALCK_RD-BUFALO78_115_133	133	115	239	317	317	26153	87.35
WALDEN_-WALDN_A2_115_BK 1	BK 1	115	44	44	51	25429	8.08
WALDENNG-CALSPAN_115_54-921	54-921	115	227	249	268	26024	13.76
WALDENNG-GARDNVLB_115_182	182	115	211	217	242	26015	50.38
WALDENNG-GARDNVLB_115_38	38	115	211	217	242	26039	12.98
WALDWICK_345_230_BK1	BK1	345	622	763	850	25479	68.1
WALDWICK_345_230_BK2	BK2	345	630	768	841	25480	68.1
WALDWICK_345_230_BK3	BK3	345	690	852	952	25481	65.9
WALDWICK-SMAHWAH_345_J3410	J3410	345	895	1214	2043	25032	74.52
WALDWICK-SMAHWAH_345_K3411	K3411	345	908	1222	2049	25039	127.62
WALESVIL-CAVANARD_115_7	7	115	141	144	165	325213	57.84
WALESVIL-PORTER_115_3	3	115	141	144	165	326705	69.29
WARNSBRG-SCOFLDRD_115_10	10	115	119	119	119	326148	33.74
WARREN_-FALCONER_115_171	171	115	131	131	141	25015	0
WATERSTR_138_27_T4	TR4	138	116	155	159	326573	0
WATKINRD-INGHAM_C_115_2	2-WI	115	141	144	159	25805	58.97
WATRCURE_345_230_BK 1	BK 1	345	494	590	600	25402	92.49
WATRCURE_345_230_BK 2	BK 2	345	519	599	599	327087	93.57
WATRCURE-OAKDALE_230_71	71	230	322	450	685	25179	14.46
WATRCURE-OAKDALE_345_31	31	345	1147	1147	1147	25178	120.34
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	13.19
WEST BUS-SILLSRD_138_873	873	138	572	614	680	325618	38.71
WESTMLTN-LASHERRD_115_302	302	115	478	478	478	327084	22.07

WESTMLTN-SODEMNRD_115_302	302	115	541	594	648	326824	17.9
WETHSRFD-S.PERRY_230_85	85	230	506	556	603	325623	77.81
WETZEL_-CLAY___115_7	7-CL	115	268	293	317	326207	55.9
WHAVSTOR_345_138_BK 194	BK 194	345	451	546	619	25447	148.91
WHAVSTOR-LOVETT_138_53	53	138	187	228	308	25884	8.03
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	14.13
WHAVSTRW-WHAVSTOR_345_671	671	345	451	546	619	326216	148.9
WHITAKER-S.OSWEGO_115_4	4	115	156	170	181	327190	52.75
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	8.58
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	29.03
WHITMAN_-ONEIDA___115_8	8	115	159	159	159	25894	12.52
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	37.03
WILDWOOD_138_69_BK 4	BK 4	138	258	304	338	26550	41.38
WILDWOOD-RIVRHEAD_138_890	890	138	374	396	438	25905	57.22
WILLET_-ENORWICH_115_945	945-1	115	155	155	155	25732	33.4
WILLIS_230_115_AT1	BK 1	230	167	195	218	25388	48.89
WILLIS_230_115_AT2	BK 2	230	167	195	218	25390	48.94
WILLIS_-CHAT_TAP_115_1(911)	1(911)	115	173	191	205	26204	25.39
WILLIS_-PATNODE_230_WPN-1	WPN-1	230	530	582	612	325565	41
WILLIS_-RYAN___230_WRY-2	WRY-2	230	478	478	591	325566	42.69
WILLWBRK-FRESHKLS_138_29211	29211-2	138	207	275	450	25319	86.38
WILLWBRK-FRESHKLS_138_29212	29212-2	138	207	275	450	25320	87.49
WOLF_RD_-EVERETRD_115_10	10	115	270	297	324	26255	76.08
WOOD_ST_345_115_BK 1	BK 1	345	350	400	420	25437	90.96
WOOD_ST_345_115_BK 2	BK 2	345	358	412	420	25438	64.37
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	726.58
WOOD_ST_-MILLWOOD_345_W81	W81	345	1976	2387	2895	25525	0
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	2409	2679	3406	25358	776.04
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	745.61
WOODLAWN-RUTHROAD_115_12	12	115	222	234	268	26490	40.99
WOODMERE-VALLYSTR_69_261	261	69	120	136	143	325285	47.08
WOODSTNY-AMAWALK_115_996	996	115	261	287	311	25574	63.9
WOODSTNY-KATONAH_115_901	901	115	271	293	303	326481	47.55
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	56.52
WTRVLARS-GERENSLR_115_31	31	115	156	170	181	26423	75.36
WWDBURNY_115_69_BK 1	BK 1	115	50	50	50	25404	27.31
WYNTKLN-REYNOLDS_115_13-988	13-WR	115	227	248	268	26143	66.09
WYNTKLN-WYNTKLN_115_BK 2	BK2	115	64	65	72	26489	7.22
YAHNUNDA-DEBALSO_115_3	3	115	152	166	175	26515	66.25
YAWGERRD-RIDGE_RD_115_963	963	115	271	279	307	326312	27.24
YOUNG214-HUNTLEY_115_133	133	115	211	217	242	26042	68.17
YOUNG214-SWETH224_115_36	36	115	211	217	255	326364	14.69

Appendix E – INTERFACE DEFINITIONS

NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
West (Zone A) – Genesee (Zone B)		
Name	Line ID	Voltage (kV)
*Dysinger-Station255(Henrietta)	DH1	345
*Dysinger-Station255(Henrietta)	DH2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport- Sweden 1	111	115
*Lockport-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

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

* indicates the metered end of the circuit

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

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

UPNY-SENY		
Mohawk Valley (Zone E) – Hudson Valley (Zone G)		
Name	Line ID	Voltage (kV)
Middletown-Rock Tavern*	CCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
Capital (Zone F) – Hudson Valley (Zone G)		
*Athens-Pleasant Valley	91	345
*Leeds-Pleasant Valley	92	345
*Leeds-Hurley Ave.	301	345
Hudson-Pleasant Valley*	12	115
Blue Stores-Pleasant Valley*	13-987	115
Blue Stores-Pleasant Valley*	8	115
*Feura Bush-North Catskill	2	115

* indicates the metered end of the circuit

TOTAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	18	345
*Fraser-Gilboa	GF5-35	345
East Springfield-Inghams*	7-942	115
*Inghams PAR	PAR	115
*Inghams Bus Tie	R81	115
Mohawk Valley (Zone E) – Hudson Valley (Zone G)		
Middletown-Rock Tavern*	CCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM East (Zone P) – NYC (Zone J)		
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*Closter-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

CENTRAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
Name	Line ID	Voltage (kV)
Edic-Gordon Rd.*	14	345
Marcy-New Scotland*	18	345
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

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

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

* indicates the metered end of the circuit

PJM-NYISO		
PJM East (Zone P) – NYC (Zone J)		
Name	Line ID	Voltage (kV)
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West – Central (Zone C)		
*Mainesburg-Watercure	30	345
*Mainesburg- 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)		
*Closter-Sparkill	751	69
*Harings Corners- W. Nyack	701	69
*Harings Corners-Corporate Drive	703	138
*Montvale-Bluehill	44	69
*Montvale-Bluehill	43	69
*Montvale-Pearl River	491	69
*Harings Corners- Pearl River	45	34
*S. Mahwah-Ramapo	51	138
*S. Mahwah-Hilburn	65	69
S. Mahwah 138*/345	BK258	138/345

* indicates the metered end of the circuit

WESTERN EXPORT		
West (Zone A) – Ontario South (Zone O)		
Name	Line ID	Voltage (kV)
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230
West (Zone A) – PJM West		
*Pierce Brook-Five Mile Road	37	345
*Homer City – Pierce Brook	48	345
*Pierce Brook – Homer City	48	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115
West (Zone A) – Genesee (Zone B)		
*Dysinger – Station 255 (Henrietta)	DH1	345
*Dysinger – Station 255 (Henrietta)	DH2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

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

* indicates the metered end of the circuit

Appendix F – ANNOTATED TARA OUTPUT

This Section Is Available Electronically If Requested

Appendix G – COMPARISON OF TRANSFER LIMITS WINTER 2022-23 VS. 2020-21

		WINTER 2022-23		WINTER 2020-21		
Interface		Limit (MW)	Contingency	Limit (MW)	Contingency	Delta
Dysinger East	Normal	2650	3	2500	1	150
	Emergency	2700	4	2700	2	0
UPNY - ConEd	Normal	6775	5	7250	5	-475
	Emergency	6825	6	7650	6	-825
UPNY - SENY	Normal	5150	5	5025	5	125
	Emergency	5225	6	5400	6	-175
Sprain Brook Dunwoodie-South	Normal	3850	7	3950	7	-100
	Emergency	4025	8	4100	8	-75
Con Ed - LIPA	Normal	350	11	1000	9	-650
	Emergency	1050	12	1675	10	-625
Central East	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	2350	13	2925	13	-575
	Emergency	2675	14	3300	14	-625
	MSC-7040 FLOW	0 MW		0 MW		
	Normal	2350	13	2925	13	-575
	Emergency	2675	14	3300	14	-625
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	2325	13	2925	13	-600
	Emergency	2675	14	3275	14	-600
Total East ¹	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	3900	15	4150	15	-250
	Emergency	3975	6	4300	6	-325
	MSC-7040 FLOW	0 MW		0 MW		
	Normal	3950	15	4150	15	-200
	Emergency	3975	6	4300	6	-325
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	3950	15	4150	15	-200
	Emergency	3975	6	4300	6	-325
Moses - South	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	1850	18	1775	16	75
	Emergency	2700	17	3025	17	-325
	MSC-7040 FLOW	0 MW		0 MW		
	Normal	1400	20	1325	19	75
	Emergency	2250	17	2325	17	-75
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	875	20	775	19	100
	Emergency	1550	17	1625	17	-75

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

NYISO WINTER 2022-23 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element	Rating	Contingency	
(1)	Niagara – Packard (61) 230 kV	@STE 949 MW	L/O	Beck – Packard (BP76) 230 kV Niagara – Packard (62) 230 kV
(2)	Sweden – Mortimer (111) 115 kV	@STE 153 MW	L/O	Niagara – Station 255 (NH2) 345 kV
(3)	Niagara – Dysinger (ND1) 345 kV	@LTE ₄ 1745 MW	L/O	Niagara – Dysinger (ND2) 345 kV
(4)	Niag – Dysinger (ND) 345 kV	@STE 1793 MW	L/O	Niagara – Dysinger 345 kV
(5)	Leeds – Pleasant Valley (92) 345kV	@LTE 1783 MW	L/O	Athens – Pleasant Valley (91) 345kV
(6)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE 1793 MW	L/O	Dolson Ave – Rock Tavern (DART-44) 345 kV
(7)	Dunwoodie – Mott Haven (71) 345kV	@MTE 1083 MW	L/O	Dunwoodie – Mott Haven (72) 345kV Mott Haven 345/138 kV Transformer
(8)	Dunwoodie – Mott Haven (71) 345kV	@NORM 741 MW		Pre – Contingency Loading
(9)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE 977 MW	L/O	(SB RNS2 @ Sprain Brook 345 kV) Sprain Brook – East Garden City (Y49) 345 kV Sprain Brook – Academy (M29) 345 kV
(10)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM 741 MW		Pre – Contingency Loading
(11)	Dunwoodie – Shore Rd. (Y50) 345 kV	@LTE 966 MW ₃	L/O	Neptune HVDC
(12)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM 741 MW ₃		Pre-Contingency Loading
(13)	New Scotland – Leeds (93) 345kV	@LTE 1692 MW	L/O	New Scotland – Leeds (94) 345kV
(14)	New Scotland – Leeds (93) 345kV	@STE 1912 MW	L/O	New Scotland – Leeds (94) 345kV
(15)	Sugarloaf – Chester (271) 138 kV	@STE 309 MW	L/O	Rock Tavern – Ramapo (77) 345 kV Rock Tavern – Sugarloaf (76) 345 kV Sugarloaf – Ramapo (76) 345 kV Sugarloaf 345/138 kV Transformer
(16)	Moses – Adirondack (MA2) 230 kV	@LTE 473 MW	L/O	Chateauguay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(17)	Moses–Massena (MMS1) 230 kV	@LTE 1593 MW	L/O	Moses–Massena (MMS2) 230 kV
(18)	Moses – Adirondack (MA2) 230 kV	@LTE 473 MW	L/O	Chateauguay – Massena (7040) 765 kV Massena – Marcy (MSU1) 765 kV
(19)	Moses – Adirondack (MA2) 230 kV	@LTE 473 MW	L/O	Moses – Massena (MMS-1) 230 kV Moses – Massena (MMS-2) 230 kV
(20)	Moses – Adirondack (MA2) 230 kV	@LTE 473 MW	L/O	Chateauguay – Massena (7040) 765 kV Massena – Marcy (MSU1) 765 kV

Appendix H – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS									
Monitored Element				Base Flow	TRANSFER	DYSINGER-ST255	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR
DYSINGER	345	STATION 255	345 1	65.86	31.87%	TRIP	19.57%	18.96%	20.89%
DYSINGER	345	STATION 255	345 2	65.86	31.87%	67.47%	19.57%	18.96%	20.89%
STOLE230	230	SHLDN230	230 1	16.02	11.07%	4.65%	TRIP	6.26%	6.90%
PALMT115	115	ANDOVER1	115 1	-24.47	1.48%	0.88%	9.98%	0.70%	0.77%
LOCKPORT	115	SHEL-113	115 1	38.13	2.32%	2.41%	3.35%	TRIP	14.42%
LOCKPORT	115	NAKR-108	115 1	38.13	0.85%	0.89%	1.23%	3.39%	3.66%
LOCKPORT	115	OAKFLDTP	115 1	38.13	0.85%	0.99%	1.38%	3.79%	4.10%
LOCKPORT	115	SOUR-111	115 1	38.13	0.85%	2.45%	3.40%	13.30%	TRIP
LOCKPORT	115	TELRD107	115 1	38.13	0.85%	1.14%	1.58%	5.98%	5.86%
LOCKPORT	115	TELRD114	115 1	38.13	0.85%	2.40%	3.34%	18.10%	10.87%
SUB-TOTALS					82.84%	83.27%	63.41%	89.43%	88.35%
L33P-L34P				-0.35	0.00%	6.30%	8.64%	3.94%	4.34%
PJM-NYISO				582.94	13.73%	10.85%	28.65%	7.03%	7.74%
TOTALS					96.58%	100.41%	100.69%	100.40%	100.44%

Table-2 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element				Base Flow	TRANSFER	EDIC34-GORDON	FRASER-GILBA	MARCY3-NSCOT	WALD-SMAWA	HOPATCONG-RAMPO	LINDEN-GOETH
EDIC	345	GORDON ROAD	345	419.30	20.31%	TRIP	19.26%	33.97%	0.28%	3.65%	3.30%
FRASER	345	GILBOA	345	-130.91	19.38%	23.77%	TRIP	26.78%	0.32%	4.29%	4.88%
MARCY	345	N.SCOT99	345	433.56	22.69%	36.00%	23.00%	TRIP	0.32%	4.16%	3.73%
WALDWICK	345	SMAHWAH2	345	-127.08	0.15%	2.44%	2.27%	2.62%	TRIP	27.13%	19.86%
HOPATCONG	500	RAMAPO	500	200.04	0.00%	4.41%	4.20%	4.74%	3.79%	TRIP	23.39%
LINDEN	230	GOETHALS	230	-10.90	0.00%	2.68%	3.21%	2.86%	1.87%	15.77%	TRIP
W.WDB	115	W.WDBR	69	27.36	0.53%	0.53%	1.13%	0.55%	0.00%	0.06%	0.19%
INGMS-CD	115	INGHAM-E	115	119.93	0.00%	7.47%	1.60%	5.23%	0.04%	0.56%	0.50%
MDTN TAP	345	ROCK TAV	345	318.36	15.66%	6.89%	17.19%	7.44%	0.51%	4.27%	1.87%
MDTN TAP	345	SHOEMTAP	138	195.42	2.66%	0.53%	1.64%	0.56%	-0.12%	1.10%	-0.39%
E.SPR	115	INGHAM-E	115	-42.40	1.21%	0.57%	2.62%	-0.12%	0.02%	0.20%	0.19%
COOPC	345	DOLSON AVE	345	249.33	17.57%	7.26%	18.36%	7.84%	0.42%	5.06%	1.59%
CUMBERLANDHD	115	NE PV20 NY	115	105.66	0.00%	3.92%	2.13%	3.78%	0.07%	0.88%	0.81%
WALDWICK	345	SMAHWAH1	345	-74.00	-0.15%	2.50%	2.22%	2.69%	91.86%	27.69%	20.69%
HCOR	34.5	PEARL	34.5	-1.77	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
HCOR	138	CORPORATE DR	138	-32.48	0.00%	0.00%	0.00%	0.00%	0.05%	0.02%	0.01%
SMAH	138	SMAHWAH1	345	-80.26	0.44%	-0.08%	0.08%	-0.09%	-3.50%	-0.69%	-1.11%
SMAH	138	RAMP	138	-56.27	-0.28%	0.06%	-0.04%	0.06%	2.80%	0.66%	0.77%
CLOSTER	69	SPARKILL	69	-1.12	0.04%	0.01%	0.03%	0.01%	0.04%	0.00%	0.05%
HCOR	69	WNYA	69	-7.49	0.08%	0.03%	0.05%	0.03%	0.08%	0.00%	0.09%
MONTVALE	69	BLUHILL	69	1.18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69	BLUHILL	69	1.18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69	L491T	69	-18.66	0.06%	0.02%	0.04%	0.02%	0.12%	0.02%	0.08%
SMAH	69	HILB	69	-16.89	-0.34%	-0.04%	-0.15%	-0.04%	0.42%	-0.01%	0.13%
SUB-TOTALS					100.28%	98.97%	98.93%	98.95%	98.87%	94.81%	80.40%
COGNTECH	345	G22 VFT345KV	345 1	268.40	0.00%	0.82%	0.98%	0.87%	0.57%	4.83%	19.12%
TOTALS					100.28%	99.79%	99.91%	99.82%	99.44%	99.63%	99.52%

Table-3 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element				Base Flow	TRANSFER	LADNTW-BUCHS	PLVLLEY-E.FISHK	RAMAPO-BUCHN	ROSETN-E.FISHK	LINDEN-GOETH
LADENTWN	345	BUCHANAN S	345	615.16	16.81%	TEST	58.71%	-3.95%	28.30%	31.66%
RAMAPO	345	BUCHANAN N	345	595.80	15.37%	44.59%	TEST	-0.40%	15.90%	21.92%
PLTVLLEY	345	E FISHKILL	345	382.00	8.36%	-7.87%	-1.04%	TEST	32.14%	1.05%
ROSETON	345	E FISHKILL	345	1029.84	17.32%	28.52%	21.10%	16.25%	TEST	13.77%
PLTVLLEY	345	WOOD B	345	795.21	15.84%	14.44%	4.45%	9.13%	-9.35%	3.91%
E FISH I	115	E FISHKILL	345	-172.11	1.24%	0.94%	0.90%	2.66%	5.91%	0.68%
PLTVLLEY	345	E FISHKILL	345	382.00	8.36%	-7.87%	-1.04%	65.49%	32.14%	1.05%
FISHKILL	115	SYLVN	115	75.88	0.87%	0.88%	0.45%	-0.17%	0.29%	0.34%
SUB TOTALS					84.16%	73.65%	83.53%	89.02%	105.34%	74.38%
NRTHPT P	138	NRTHPT1	138.00			1.32%	2.36%	1.68%	-0.55%	2.58%
LINDEN	230	GOETHALS	230.00			8.11%	7.39%	0.14%	3.50%	TRIP
G22 VFT	345	COGNTECH	345.00			2.48%	2.26%	0.04%	1.07%	19.12%
TOTALS					84.16%	85.56%	95.55%	90.87%	109.35%	96.09%

Table-4 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element				Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-W49TH	SPRAIN-TRMNT	LKSUC-JMAICA	VSTR-KMAICA
REAC71	345	MOTT HAVEN	345	370.56	29.44%	TRIP	6.55%	24.85%	11.31%	11.92%
SPRAINBROOK	345	TREMONT	345	234.41	0.00%	0.37%	TRIP	0.59%	3.05%	3.09%
REACM51	345	W 49 ST	345	484.65	20.91%	19.13%	8.02%	TRIP	9.29%	9.31%
V STRM P	138	JAMAICA	138	99.90	0.00%	0.70%	3.36%	0.75%	TRIP	45.26%
L SUCSPH	138	JAMAICA	138	199.64	0.00%	0.75%	3.46%	0.76%	46.05%	TRIP
DUN SO1R	138	E179 ST W	138	156.67	0.00%	0.44%	20.73%	0.39%	2.77%	2.82%
SPRAINBROOK	345	ACADEMY	345	194.45	0.00%	0.30%	18.85%	0.48%	2.46%	2.49%
DUN NO1R	138	S CREEK W	138	79.19	0.00%	0.22%	10.23%	0.19%	1.37%	1.40%
REACM52	345	W 49 ST	345	484.65	20.91%	19.13%	8.02%	45.67%	9.29%	9.31%
REAC72	345	MOTT HAVEN	345	361.85	28.74%	57.27%	6.39%	24.24%	11.03%	11.63%
DUN NO2R	138.00	S CREEK E	138	101.99	0.00%	0.28%	13.18%	0.24%	1.76%	1.80%
SUB-TOTALS					100.00%	98.57%	98.78%	98.14%	98.38%	99.02%
LINDEN	230.00	GOETHALS	230	-10.90		1.10%	0.94%	1.42%	1.25%	0.76%
G22 VFT345KV	345.00	COGNTECH	345	277.00		0.34%	0.29%	0.43%	0.38%	0.23%
TOTALS					100.00%	100.00%	100.01%	100.00%	100.01%	100.01%

Table-5 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS

Monitored Element				Base Flow	TRANSFER	MASSEN-CHAT	MASSEN-MARCY	MOSES-ADRONB1
MASS 765	765.00	MARCY765	765.00	395.96	79.85%	68.79%	TRIP	70.32%
MOSES W	230	ADRON B2	230	25.44	12.77%	4.39%	28.33%	TRIP
DENNISON	115	ANDRWS-4	115	9.09	2.26%	0.93%	4.86%	2.26%
DENNISON	115	LWRNCE-B	115	8.58	2.26%	0.93%	4.86%	2.26%
ALLENS F	115	COLTON	115	1.83	1.68%	0.28%	2.11%	1.08%
ALCOA-NM	115	BRADY	115	19.45	1.17%	0.48%	2.52%	1.17%
SUB TOTALS					100.00%	75.78%	42.67%	77.10%
CUMBERLANDHD	115	NE PV20 NY	115	0.17	0.00%	4.28%	15.56%	6.20%
MOSES E	230	ST LAWR L33P	230	103.17	0.00%	19.93%	41.77%	16.71%
TOTALS					100.00%	99.99%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	ALPS34-BERK	CV.345-LNGMT	EASTOVER-BEARSWAMP
NE 393 NY	345	ALPS	345	36.93	37.03%	TRIP	-37.38%	38.95%
NE K7 NY	115	WHITEHAL	115	-24.99	0.00%	-8.88%	-4.53%	7.82%
NE 398 NY	345	CRICKET VLLY	345	95.60	48.96%	-48.22%	TRIP	25.47%
NE E205W NY	230	EASTOVER RD	230	-112.16	9.78%	-17.16%	-8.70%	TRIP
NE 690 NY	69	SMITHFLD	69	-9.57	0.93%	-0.98%	-2.97%	0.54%
NE K6 NY	115	HOOSICK	115	-7.78	3.31%	-8.05%	-2.97%	18.42%
NE PV20 NY	115	CUMBERLANDHD	115	105.66	0.00%	-7.09%	-5.21%	3.54%
NE 601 NY	138	NRTHPT P	138			-2.97%	-12.55%	1.61%
NE 602 NY	138	NRTHPT P	138			-2.96%	-12.52%	1.60%
NE 603 NY	138	NRTHPT P	138			-2.94%	-12.43%	1.59%
TOTALS					100.00%	-99.26%	-99.26%	99.55%

Table-7 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	BECK-NIAG301	BECK-NIAG302	PA27-NIAGAR	BP76-PACKD2	MOSE-STLAWL34
BECK #2 H301	345	NIAG	345	-0.22	33.38%	TRIP	55.87%	34.17%	32.06%	21.96%
BECK #2 H302	345	NIAG	345	-0.22	33.38%	55.87%	TRIP	34.17%	32.06%	21.96%
BECK #2 PA27	230	NIAGAR2W	230	66.98	17.40%	20.71%	20.71%	TRIP	29.73%	11.04%
BECK #2 BP76	230	PACKARD2	230	4.96	15.85%	16.90%	16.90%	25.86%	TRIP	9.92%
ST LAWR L33P	230	MOSES E	230	0.17	0.00%	2.45%	2.45%	2.03%	2.10%	TRIP
SUB-TOTALS					100.00%	95.94%	95.94%	96.24%	95.95%	64.88%
ON-MICH				-0.63	0.00%	3.81%	3.81%	3.53%	3.80%	32.51%
TOTALS					100.00%	99.74%	99.74%	99.77%	99.75%	97.39%

Table-8 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFERIOPATCONG-RAMP	MAIN-WATER	PIERCE-5MILE	ALDWK-SMAW	E.TOWD-HILLS	ERIE-SRIPLEY	LINDEN-GOETH	
HOPATCONG 500 RAMAPO 500	840.60	0.00%	TEST	23.39%	3.79%	9.40%	9.68%	9.66%	7.52%
LINDEN 230 GOETHALS 230	140.26	0.00%	15.77%	TEST	1.87%	4.53%	4.68%	3.96%	3.68%
WALDWICK 345 SMAHWAH2 345	74.46	0.08%	27.13%	19.86%	TEST	5.36%	5.61%	4.81%	4.35%
26PIERCEBRK 345 5MILE 345	197.14	22.96%	3.90%	2.79%	0.31%	TEST	17.46%	6.46%	32.19%
26MAINESBURG 345 WATRC 345	195.78	27.52%	4.21%	3.02%	0.34%	18.26%	TEST	26.81%	8.27%
26E.TWANDA 230 HILSD 230	184.63	23.71%	4.54%	2.76%	0.32%	7.31%	29.02%	TEST	5.81%
26ERIE E REA 230 S RIPLEY 230	20.84	9.77%	1.22%	0.88%	0.10%	12.54%	3.08%	2.00%	TEST
26E.SAYRE 115 N.WAV 115	37.95	8.09%	1.52%	0.94%	0.11%	2.86%	8.36%	23.40%	1.93%
26LAUREL L 115 WESTOVER 115	-47.49	7.95%	1.57%	0.96%	0.11%	1.49%	3.52%	8.69%	1.09%
26HOMER CY 345 NY_HOMER_WAT 345	224.37	22.25%	3.23%	2.42%	0.27%	13.46%	-62.26%	10.97%	7.45%
26HOMER CY 345 NY_HOMER_STO 345	223.04	14.50%	2.42%	1.76%	0.20%	-55.16%	12.03%	1.42%	11.58%
26MAINESBURG 345 NY_MAINESBUR 345	-221.62	-22.25%	-3.23%	-2.42%	-0.27%	-13.46%	62.26%	-10.97%	-7.45%
26PIERCEBRK 345 NY_PIERCEBRK 345	-220.97	-14.50%	-2.42%	-1.76%	-0.20%	55.16%	-12.03%	-1.42%	-11.58%
WALDWICK 345 SMAHWAH1 345	139.87	-0.08%	27.69%	20.69%	91.86%	5.69%	5.96%	5.12%	4.62%
HCOR 138 CORPORATEDR 138	-32.38	0.00%	0.02%	0.01%	0.05%	0.00%	0.00%	0.00%	0.00%
SMAH 138 SMAHWAH1 345	-97.05	0.23%	-0.69%	-1.11%	-3.50%	-0.45%	-0.48%	-0.42%	-0.36%
SMAH 138 RAMP 138	-45.31	-0.14%	0.66%	0.77%	2.80%	0.30%	0.32%	0.28%	0.24%
CLOSTER 69 SPARKILL 69	-0.75	0.02%	0.00%	0.05%	0.04%	0.00%	0.00%	0.00%	0.00%
HCOR 69 WNYA 69	-6.77	0.04%	0.00%	0.09%	0.08%	0.00%	0.00%	0.00%	0.00%
MONTVALE 69 L491T 69	-18.06	0.03%	0.02%	0.08%	0.12%	0.01%	0.00%	0.00%	0.00%
SMAH 69 HILB 69	-12.84	-0.18%	-0.01%	0.13%	0.42%	0.14%	0.15%	0.13%	0.11%
HCOR 34.5 PEARL 34.5	-1.81	0.00%	0.00%	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE 69 BLUHILL 69	1.18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE 69 BLUHILL 69	1.18	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS		100.00%	87.56%	75.29%	98.81%	67.45%	87.38%	90.91%	69.44%
ON-MICH	-0.63	0.00%	4.83%	19.12%	0.57%	1.38%	1.42%	1.21%	1.12%
TOTALS		100.00%	92.38%	94.41%	99.38%	68.83%	88.80%	92.12%	70.56%