Appendix A – SCHEDULE OF SIGNIFICANT INTERCHANGES ASSUMED FOR TRANSFER LIMITS STUDIES

SUMMARY OF NET INTERCHANGE SCHEDULES

TO / FROM	NYISO	PJM	IESO	ISONE	NB/NS	Trans Énergie	Cross-Sound	Neptune-HVdc	Linden VFT	HTP	NNC Transfer	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		37	0	83	0	-533	-330	-660	-315	0	-100	120	-1698
PJM	-37		0	0	0	0	0	660	315	0	0	-2721	-1783
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-83	0	0		0	-225	330	0	0	0	100	0	122
NB/NS	0	0	0	0		-923	0	0	0	0	0	0	-923
Trans Énergie	533	0	1250	225	923		0	0	0	0	0	45	2976

APPENDIX A *SUMMARY OF WINTER 2023-24 BASE TRANSFERS*	
NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-923
New Brunswick to New England	0
Total Export (+) / Import (-)	**-923**

NEW ENGLAND	
New England to New Brunswick	0
New England to TransÉnergie: Sandy Pond HVdc	0
New England to TransÉnergie: Vermont	-225
New England to New York	-83
New England to NY: Norwalk Harbor-Northport	100
New England to NY: Cross-Sound	330
Total Export (+) / Import (-)	**122**

NEW YORK ISO	
New York to TransÉnergie	-533
New York to New England	83
New York to New England: Norwalk Harbor-Northport	-100
New York to New England: Cross-Sound	-330
New York to PJM: NYPA to PA-RECS	75
New York to PJM: Sithe Allegheny	-38
New York to PJM: Non-Firm Energy	0
New York to PJM: Linden VFT	-315
New York to PJM: Neptune HVdc	-660
New York to PJM: HTP	0
New York to MISO: NYPA to AMP- Ohio	120
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	**-1698**

APPENDIX A *SUMMARY OF WINTER 2023-24 BASE TRANSFERS*	
IESO (Ontario)	
IESO to TransÉnergie	-1250
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	**-1250**

PJM	
PJM to New York: NYPA to PA-RECS	-75
PJM to New York: Sithe Allegheny	38
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	660
PJM to New York: Linden VFT	315
PJM to New York: HTP	0
Miscellaneous Transfers to Other Areas	-2721
Total Export (+) / Import (-)	**-1783**

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	923
TransÉnergie to New England: Sandy Pond HVdc	0
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	533
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	**2976**

Appendix B – WINTER 2023-24 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	301 MW	In Service
Eel River HVdc	299 MW	In Service

AREA LOADS & LOSSES

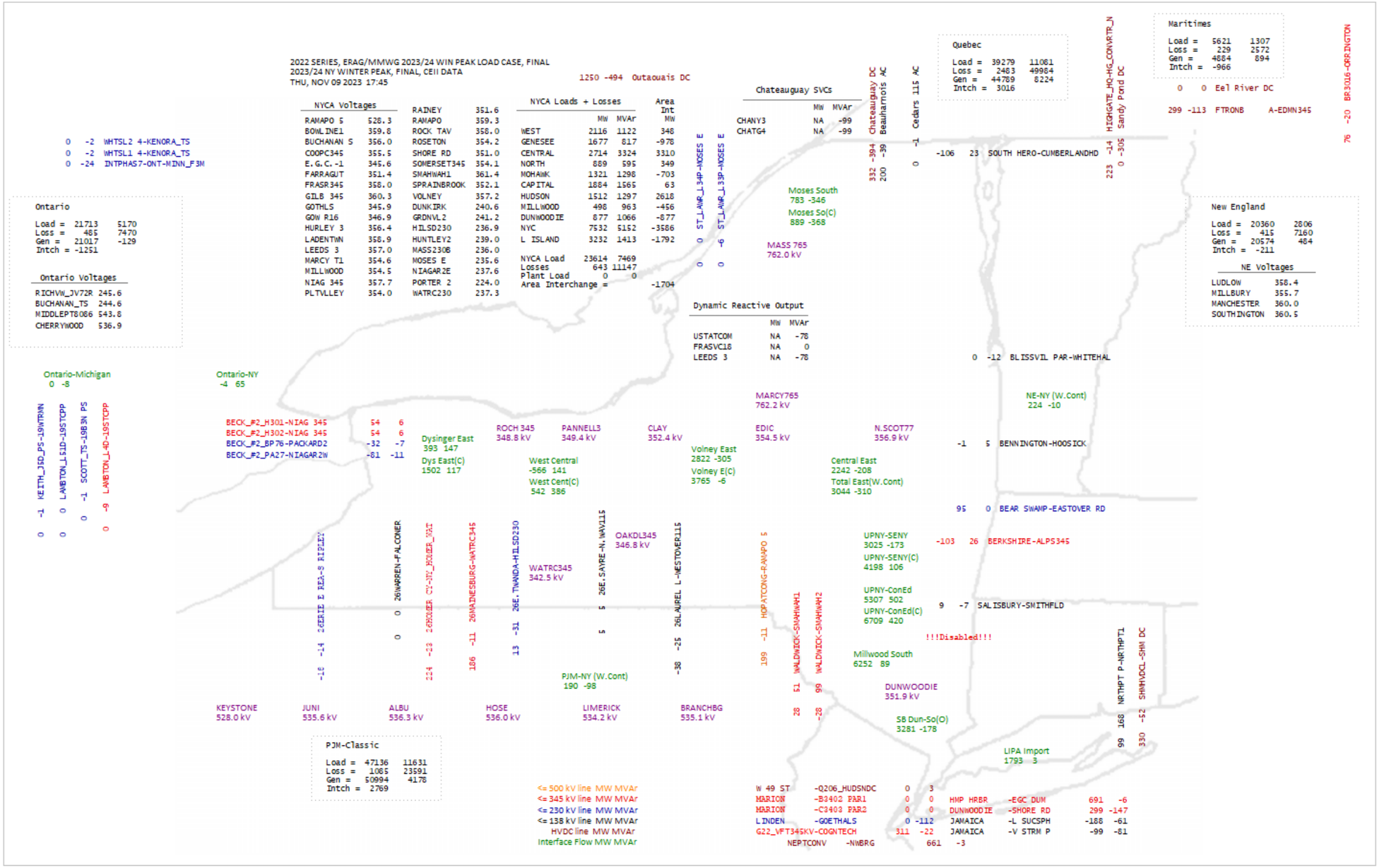
NYISO	24,257 MW
ISO-NE	20,775 MW
IESO (Ontario)	22,198 MW
PJM	47,994 MW

PHASE ANGLE REGULATOR SCHEDULES

Inghams (CD-ED)	120 MW	
Sandbar PAR (PV-20)	100 MW	
St. Lawrence-Moses L33P	0 MW	Out-of-service
St. Lawrence-Moses L34P	0 MW	
Norwalk Harbor-Northport	100 MW	
Jamaica-Valley Stream	-100 MW	
Jamaica-Lake Success	-200 MW	
Hudson-Farragut (B3402)	0 MW	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	343 MW	
East Garden City #2	343 MW	

Appendix C – POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



Appendix D – RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
ACADEMY__138A_138B_PAR1	PAR1	138	301	360	451	325751	139.0
ACADEMY__138A_138B_PAR8	PAR8	138	301	360	451	325750	139.0
ACADEMY__345_138_TR1	T1	345	273	332	402	325753	139.2
ACADEMY__345_138_TR8	T8	345	273	332	402	325752	139.2
ADIRNDCK_230_115_AT1	AT1	230	132	166	172	26697	90.0
ADIRNDCK-CHASLAKE_230_13	13	230	478	478	634	325233	96.1
ADIRNDCK-PORTER___230_12	12	230	478	478	634	25082	0.0
ALBANY__-GREENBSH_115_1	1	115	304	349	399	25860	17.0
ALBANY__-GREENBSH_115_2	2	115	304	349	399	25868	17.0
ALBANY__-TRINITY__115_5	5	115	214	256	317	25861	59.1
ALBANY__-TRINITY__115_9	9	115	159	178	258	25872	26.3
ALCOA___-BRADY____115_13	13	115	156	170	181	25230	20.0
ALCOA___-DENNISON_115_12	12	115	312	328	387	25227	19.3
ANDOVER_-PALMITER_115_157-932	157-932	115	97	117	119	25094	6.5
ARCADE__-MACHIAS__115_167	167	115	156	171	182	326168	1.3
ASHLEYRD-MASONCR__115_909	909	115	189	207	221	25847	31.9
ASHLEYRD-PLATSBRG_115_700	700	115	223	237	259	25845	33.4
ASTANNEX_138A_138B_PAR1	PAR1	138	415	477	544	325848	100.2
ASTANNEX_345_138_TR1	TR1	345	320	390	468	325847	100.0
ASTANNEX-ASTORIAE_138_34091	34091	138	288	318	346	325849	100.2
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	415	639	1595	25134	365.9
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	415	639	1595	25142	391.5
ASTORIAE-ASTORIAG_138_34124L	34124L	138	8888	8888	8888	25560	0.0
ASTORIAE-ASTORIAG_138_34125L	34125L	138	8888	8888	8888	25561	0.0
ASTORIAE-CORONA___138_34181	34181	138	195	249	378	25277	107.7
ASTORIAE-CORONA___138_34182	34182	138	195	249	378	25278	103.9
ASTORIAE-CORONA___138_34183	34183	138	195	249	378	25279	107.4
ASTORIAE-CORONA___138_34184	34184	138	195	249	378	25280	100.4
ASTORIAE-CORONA___138_34185	34185	138	195	249	378	25281	95.4
ASTORIAE-CORONA___138_34186	34186	138	195	249	378	25282	97.1
ASTORIAW-ASTORIAG_138_24121	24121	138	8888	8888	8888	25769	0.0
ASTORIAW-ASTORIAG_138_24122	24122	138	8888	8888	8888	25770	0.0

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
ASTORIAW-ASTORIAG_138_24124M	24124M	138	8888	8888	8888	25563	0.0
ASTORIAW-ASTORIAG_138_24125M	24125M	138	8888	8888	8888	25566	0.0
ASTORIAW-QUENBRDG_138_28241	28241	138	195	249	378	25315	115.5
ASTORIAW-QUENBRDG_138_28242	28242	138	195	249	378	25316	118.3
ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	216.3
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	249.8
ATHENS__-VNWAGNER_345_91	91	345	1624	1783	1946	25054	518.7
BABBITSC-LIGHTHSE_115_6	6	115	141	144	165	25506	25.1
BABYLON_-BRGHTWTR_69__771	771	69	164	176	195	327240	9.8
BAGATLRD-PILGRIM__138_564	564	138	571	612	678	325607	22.9
BARRETT__138A_138B_PAR	PAR	138	193	272	326	25590	145.0
BARRETT_-FREEPORT_138_459	459	138	192	272	326	26425	145.1
BATAVIA_-SEBATVIA_115_117	117	115	239	239	239	26017	6.3
BATH____-MONTRFL__115_965	965	115	146	160	178	26163	4.5
BATH____-SPENCHIL_115_723	723	115	221	241	261	325797	41.9
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	95.7
BECK____-NIAGARA__230_PA27	PA27	230	480	540	685	25025	81.3
BECK____-NIAGARA__345_PA301	PA301	345	1180	1469	1860	25040	54.9
BECK____-NIAGARA__345_PA302	PA302	345	1180	1469	1860	25041	54.9
BECK____-PACKARD__230_BP76	BP76	230	582	687	713	25024	32.1
BENNETT_-MORAINE__115_725	725	115	149	172	179	325858	13.8
BENNETT_-SPENCHIL_115_953	953	115	221	241	261	26164	25.7
BERKSHIR-ALPS_____345_393	393	345	1792	1883	1912	25034	103.0
BETHLHEM-ALBANY___115_18	18	115	388	427	474	26119	50.8
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	35.1
BIGTREE_-LANGNERD_115_903	903	115	289	305	335	326050	1.1
BLACKRVR-CARTHAGE_115_1	1	115	141	144	159	26067	10.5
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	8.9
BLACKRVR-FORTDRUM_115_2	2	115	141	144	159	26068	8.1
BLACKRVR-MIDDLERD_115_8	8	115	141	144	165	326703	48.6
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	0.0
BNNINGTN-HOOSICK__115_K6	K6	115	229	274	292	25029	1.3
BOONVLLE-BNVLMUNI_115_2	2	115	124	124	124	26073	7.3
BOONVLLE-STITVILE_115_1	1	115	127	127	127	625016	28.6
BOONVLLE-TURIN_RD_115_3	3	115	141	144	159	26071	39.4

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
BORDRCTY-GUARDIAN_115_969	969	115	239	239	239	325283	64.7
BOWLINE__345_138_BK455	BK 455	345	506	587	671	25664	109.0
BOWLINE_-WHAVSTRW_345_67-1	67	345	777	837	837	25567	577.8
BOWLINOR-CONGERS__138_561	561	138	191	230	431	26723	86.7
BRANCOMB-SCHAGCKT_115_310	10	115	227	248	268	26474	18.6
BRENTWOD-PILGRIM__69__765	765	69	274	285	285	26536	58.0
BRENTWOD-PILGRIM__69__768	768	69	104	113	120	26534	46.2
BRISTLHL-WHITAKER_115_4	4	115	128	135	152	25512	50.8
BROOKHVN-EDWARDAV_138_864	864	138	276	436	597	25553	84.4
BROOKHVN-SILLSRD__138_874	874	138	529	590	669	325617	110.3
BROOKHVN-SILLSRD__138_887	887	138	529	591	669	325619	110.1
BROOKHVN-WILDWOOD_138_861	861	138	559	594	675	325932	46.9
BROWNFLS-TAYLORVL_115_3	3	115	130	144	159	26076	34.4
BROWNFLS-TAYLORVL_115_4	4	115	130	138	159	26077	34.4
BUCHAN_N_345_138_BK TA5	BK TA5	345	230	306	381	25425	71.1
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	71.0
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	781.1
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	624.4
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	624.4
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	20.0
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	20.0
BURNS___-N.HEMPST_138_531	531	138	222	274	321	25878	16.7
BURNS___-OAKSTRET_138_702	702	138	226	248	258	325812	58.1
BURNS___-WHAVSTOR_138_541	541	138	222	274	321	25879	58.9
BUTLER__-MOHICAN__115_18	18	115	141	144	165	26434	24.7
C._ISLIP-RONKOKMA_138_883	883	138	435	611	677	26497	12.8
CANAL___-RIVRHEAD_138_910	910	138	207	282	313	325242	69.0
CANAL___-RIVRHEAD_138_911	911	138	207	283	313	327371	68.2
CANANDGA-STONYRDG_230_68	68	230	600	625	653	25176	124.0
CARMEL__-UNIONVAL_115_991	991	115	239	239	239	26155	71.5
CARMEL__-WOODSTNY_115_900	900	115	255	278	303	326880	51.8
CARMEL__-WOODSTNY_115_992	992	115	260	286	302	325278	50.8
CARR_ST_-DEWITT___115_15	15	115	227	249	268	26093	13.7
CASTLEGD-FULLRHLW_115_937	937	115	299	335	358	325222	10.6
CATON___-HILLSIDE_115_960	960	115	120	120	120	325290	26.9

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
CEDAR___-BURGOYNE_115_6	6	115	141	144	165	26516	28.2
CEDARS__-ROSEMNTA_115_1/11	1/11	115	156	170	181	26083	1.7
CEDARS__-ROSEMNTB_115_2/22	2/22	115	156	170	181	26082	1.4
CEDRHRST-HEWLETT__69__263	263	69	143	157	168	326318	31.8
CHADWICK-E.WALDEN_115_DW	DW	115	220	234	256	26218	71.1
CHADWICK-WBALMVLE_115_DW	DW	115	220	234	256	26217	42.5
CHASLAKE-PORTER___230_11	11	230	511	564	586	25051	210.9
CHAT_TAP-LYON_MTN_115_1(911)	1(911)	115	173	191	205	325704	6.9
CHATGUAY-MASSENA__765_7040	7040	765	5300	6254	6625	25301	532.1
CHEMUNG_-NWAVERLY_115_962	962	115	187	210	230	325289	34.6
CHESTROR-SUGRLOAF_138_271	271	138	282	309	321	325424	41.1
CHRCHTWN-BLUESTOR_115_4	4	115	270	297	324	327496	30.4
CHRCHTWN-CRARYVIL_115_984	984	115	298	334	368	26500	8.2
CHRCHTWN-CRARYVIL_115_984	984	115	298	334	368	26500	8.2
CHRCHTWN-FALLSPRK_115_11-731	20-731	115	227	248	268	326939	0.0
CHRCHTWN-HUDSON___115_12	12	115	409	409	409	327503	35.8
CHRCHTWN-NCATSKLL_115_5	5	115	169	213	239	327495	25.1
CLAY_____345_115_BK 1	BK 1	345	560	718	796	25387	260.0
CLAY_____345_115_BK 2	BK 2	345	590	764	796	25421	260.0
CLAY____-BARTELRD_115_10	10	115	285	286	318	25520	102.8
CLAY____-BARTELRD_115_3	3	115	268	293	317	25519	79.0
CLAY____-COLAMCRS_115_5	5	115	267	293	317	25522	46.1
CLAY____-DEWITT___345_13	13	345	1431	1605	1721	25168	458.1
CLAY____-EDIC_____345_1-16	1-16	345	1591	1745	1904	25200	471.2
CLAY____-EDIC_____345_2-15	2-15	345	1591	1745	1904	25169	472.7
CLAY____-EUCLID___115_11	11	115	268	293	317	25516	107.8
CLAY____-EUCLID___115_17	17	115	268	293	317	25515	75.4
CLAY____-INDPDNCE_345_26	26	345	1918	2115	2390	25858	994.8
CLAY____-WETZEL___115_14	14	115	268	293	317	25517	81.6
CLINTON_-IMC_TAP__115_15	15	115	141	144	165	26128	11.5
CLOSTER_-SPARKL___69__751	751	69	141	154	160	26504	3.7
CLRKSCRN_345_115_BK1	BK 1	345	280	313	336	325724	107.5
CLRKSCRN_345_115_BK2	BK 2	345	280	313	336	325725	107.5
CLRKSCRN-OAKDALE__345_36	36	345	1279	1410	1781	325726	487.3
CODINGTN-E.ITHACA_115_981	981	115	278	314	346	25730	0.1

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
CODINGTN-ETNA_____115_998	998	115	258	258	258	25734	22.6
COFFEEN_-EWATRTWN_115_5	5	115	152	152	152	325769	20.3
COFFEEN_-GLENPARK_115_3	3	115	119	119	119	26069	59.0
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	51.1
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	8.5
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	2.1
COLTON__-FLATROCK_115_2	2	115	139	146	155	26088	29.4
COLTON__-HIGLEY___115_1	1	115	156	156	156	26087	28.6
COLTON__-LITTLRIV_115_7	7	115	93	101	106	26086	11.4
COLTON__-TOWNLINE_115_9	9	115	169	169	169	325641	0.9
CONGERS_-SNKEHLRD_138_563	563	138	212	281	312	25887	65.1
COOPERNY-FERNDALE_115_950	950	115	179	179	179	26171	45.9
COOPERNY-ROCKHILL_115_957	957	115	119	119	119	325614	31.7
COOPERS__345_115_BK 2	BK 2	345	239	239	239	25433	57.0
COOPERS__345_115_BK 3	BK 3	345	239	239	239	25434	57.6
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	240.5
COOPERS_-MIDDLETP_345_CCRT34	CCRT34	345	1801	1801	1801	25110	507.9
CORONA__-JAMAICA__138_18001	18001	138	168	225	368	25285	65.0
CORONA__-JAMAICA__138_18002	18002	138	168	225	368	25286	65.0
CORONA__-RAINEY___138_36187	36187	138	327	417	537	326894	0.0
CORPDRIV-HARNGCRN_138_703	703	138	161	186	224	25881	33.0
CORTLAND-LABDELFE_115_3	3	115	152	166	175	325248	0.0
CORTLAND-TULLYCTR_115_18	18	115	224	239	239	26089	42.9
CRICKVLY-PLSNTVLY_345_F83	F83	345	1414	1549	1796	326887	329.8
CRICKVLY-PLSNTVLY_345_F84	F84	345	1533	2045	2242	326888	430.6
CURRY_RD-LINE8TAP_115_8	8	115	141	144	165	26254	22.2
DANSKAMR-CHADWICK_115_DW	DW	115	265	290	315	26219	28.6
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	2.3
DANSKAMR-NCHELSEA_115_AC	AC	115	255	282	334	25829	22.9
DANSKAMR-NCHELSEA_115_DC	DC	115	255	282	334	25830	23.6
DANSKAMR-RYNDS_HL_115_DR	DR	115	237	282	315	25831	20.3
DAVIS_RD-STOLLERD_115_927	927	115	239	239	239	26172	53.0
DELHI___-DELHI_TP_115_951	951	115	255	255	255	26174	77.6
DELHI_TP-COLLIERS_115_951	951	115	239	239	239	26203	40.8
DENNISON-LAWRNCAV_115_5	5	115	268	293	317	25226	9.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
DENNISON-NORFOLK__115_4	4	115	222	234	278	25225	10.0
DEPOSIT_-INDIANHD_69__675	675	69	132	146	156	325971	15.8
DEWITT___345_115_BK 1	BK 1	345	318	318	318	325221	249.5
DEWITT___345_115_BK 2	BK 2	345	619	758	796	25418	249.9
DEWITT__-TEALLAVE_115_4	4	115	245	260	282	26094	29.1
DOLSONAV-ROCKTVRN_345_DART44	DART44	345	1918	2115	2390	326310	946.8
DULEY___-PATNODE__230_PND-1	PND-1	230	506	564	589	325856	64.1
DULEY___-PLATSBRG_230_DP-1	DP-1	230	292	320	356	25272	93.0
DUNKIRK__230_115_BK 31	BK 31	230	173	234	250	25386	48.5
DUNKIRK__230_115_BK 41	BK 41	230	166	226	250	25430	48.5
DUNKIRK_-BERRY_RD_115_160	160	115	239	239	239	26025	42.2
DUNKIRK_-BRIGHAM__115_161	161	115	211	217	225	26021	31.9
DUNKIRK_-BRIGHAM__115_162	162	115	213	225	242	26027	24.5
DUNWODIE_138__138__BK N1	BK N1	138	376	428	500	25624	115.0
DUNWODIE_138__138__BK N2	BK N2	138	223	312	400	25623	115.0
DUNWODIE_138__138__BK S1	BK S1	138	399	526	540	25626	189.9
DUNWODIE-DUNWOODN_345_W74	W74	345	490	575	667	326212	254.6
DUNWODIE-DUNWOODS_345_W73	W73	345	386	454	511	326211	248.1
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	189.7
DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	473.4
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	461.9
DUNWODIE-SHERMCRK_138_99031	99031	138	154	196	308	25193	114.7
DUNWODIE-SHERMCRK_138_99032	99032	138	219	307	421	25239	114.9
DUNWODIE-SHORE_RD_345_Y50	Y50	345	741	977	1667	25091	299.1
DUNWOODN_345_138_BK N1	BK N1	345	490	575	667	25209	254.2
DUNWOODS_345_138_BK S1	BK S1	345	386	454	511	25208	0.0
DUNWOODS-DUNWOODN_138_99997	99997 TIE	138	245	293	342	25532	8.5
DYSINGER_345A_345B_1T3521_PAR	PAR	345	700	874	874	327480	400.0
DYSINGER-ESTOLERD_345_DES1	DES1	345	700	874	874	327465	400.0
DYSINGER-KINTIGH__345_38	38	345	1918	2115	2312	25074	48.8
DYSINGER-KINTIGH__345_39	39	345	1195	1195	1195	327246	51.2
DYSINGER-STA_255__345_DH1	DH1	345	1590	1744	1903	327457	60.7
DYSINGER-STA_255__345_DH2	DH2	345	1590	1744	1903	327458	62.7
E.ITHACA-ETNA_____115_981	732	115	133	149	162	25733	38.3
E.SAYRE_-NWAVERLY_115_956	956	115	128	128	147	25013	5.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
E.TWANDA-HILLSIDE_230_70	70	230	539	594	670	25014	13.2
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	34.5
E.WALDEN-MODENA___115_EM	EM	115	285	310	349	25832	0.0
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	69.8
E13THSA_E13THSA_138_37371	37371	138	356	514	860	325707	57.7
E13THSTA_138_69__TR 9	BK9	138	176	223	235	26488	0.0
E13THSTA_345_138_BK 10	BK 10	345	284	297	315	25467	122.4
E13THSTA_345_138_BK 11	BK 11	345	284	297	315	25468	132.2
E13THSTA_345_138_BK 12	BK 12	345	322	363	410	25463	108.8
E13THSTA_345_138_BK 13	BK 13	345	307	373	447	25464	131.1
E13THSTA_345_138_BK 14	BK 14	345	295	326	369	25465	123.5
E13THSTA_345_138_BK 15	BK 15	345	311	372	436	25466	115.0
E13THSTA_345_138_BK 16	BK 16	345	318	372	495	25469	113.7
E13THSTA_345_69__BK 17	BK 17	345	271	336	452	25459	0.0
E13THSTA-FARRAGUT_345_45	45	345	773	944	1347	25190	72.0
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	72.6
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	136.9
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	252.2
E179THST-HELLGATE_138_15055	15055	138	242	321	400	25288	216.8
E179THST-HELLGT_E_138_15053	15053	138	187	244	374	25289	102.8
E179THST-HELLGT_E_138_15054	15054	138	187	244	374	25290	102.6
E179THST-PARKCHTR_138_38X01	38X01	138	191	305	512	25327	27.7
E179THST-PARKCHTR_138_38X02	38X02	138	191	305	512	25328	27.7
E179THST-PARKCHTR_138_38X03	38X03	138	191	305	512	25329	11.8
E179THST-PARKCHTR_138_38X04	38X04	138	191	305	512	25330	11.7
EASTOVER_230_115_BK1	BK 1	230	466	579	666	326097	85.9
EASTOVER_230_115_BK1	8	115	466	579	666	326097	85.9
EASTOVER_230_115_BK2	BK 2	230	466	579	666	326403	92.1
EASTRIVR_138_69__BK 111	BK111	138	91	121	142	25526	67.2
EASTRIVR_138_69__BK 112	BK112	138	91	121	142	25527	0.0
EASTRIVR_138_69__BK 113	BK113	138	91	121	142	25528	67.3
EASTRIVR_138_69__BK 114	BK114	138	91	121	142	25529	67.2
EASTVIEW_345_138_BK 1N	BK 1N	345	509	579	664	25472	100.9
EASTVIEW_345_138_BK 1S	BK 1S	345	486	571	671	25373	99.0
EASTVIEW_345_138_BK 2N	BK 2N	345	508	572	664	25471	104.1

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
EASTVIEW_345_138_BK 2S	BK 2S	345	509	579	664	25470	100.7
EASTVIEW-SPRNBRK__345_W64	W64	345	2430	2823	3357	25143	674.8
EASTVIEW-SPRNBRK__345_W65	W65	345	1976	2387	2897	25144	649.8
EASTVIEW-SPRNBRK__345_W78	W78	345	2430	2823	3357	25346	611.5
EASTVIEW-SPRNBRK__345_W79	W79	345	1976	2387	2897	25153	612.6
EBATAVIA-NO.LEROY_115_119	119	115	268	293	317	26012	45.8
EDIC_____345_115_BK4	BK 4	345	603	721	796	25454	114.2
EDIC_____345_230_BK2	BK 2	345	551	626	758	25422	20.1
EDIC____-FRASER___345_EF24-40	EF24-40	345	1793	1793	1793	25112	465.4
EDIC____-GORDONRD_345_14	14	345	2216	2216	2216	327482	475.0
EDIC_PTR_230_115_BK 1P	BK 1	230	320	365	398	25389	115.4
EDIC_PTR_230_115_BK 2P	BK 2	230	320	365	398	25423	115.4
EDIC_PTR_345_115_BK 3E	BK 3	345	524	602	760	25424	114.2
EDWARDAV-RIVRHEAD_138_893	893	138	276	347	378	325654	67.9
EELPOTRD-MEYER____115_724	724	115	143	157	167	325288	28.0
EFISHKCH_345_115_BK 1	BK 1	345	505	531	531	25724	183.2
EFISHKCH_345_115_BK 2	BK 2	345	560	560	560	325845	183.2
EFISHKIL-WOOD_ST__345_F38	F38	345	2409	2679	3406	25367	973.3
EFISHKIL-WOOD_ST__345_F39	F39	345	2409	2679	3406	25368	1058.5
EGRDNCTY_345_138_AT1	AT1	345	428	556	641	25551	345.0
EGRDNCTY_345_138_AT2	AT2	345	428	556	641	25552	343.8
EGRDNCTY_345C_345A_PAR1	PAR1	345	428	812	855	25678	345.0
EGRDNCTY_345C_345B_PAR2	PAR2	345	428	812	855	25679	343.8
EGRDNCTY-CARLPLCE_138_361	361	138	310	340	371	25533	133.2
EGRDNCTY-CNTYLPRS_69_361	361	69	141	141	141	325824	19.3
EGRDNCTY-NEWBRDGE_138_462	462	138	188	276	457	25303	34.4
EGRDNCTY-NEWBRDGE_138_463	463	138	205	294	416	25304	34.4
EGRDNCTY-NEWBRDGE_138_465	465	138	213	301	421	25535	40.3
EGRDNCTY-ROSLYN___138_362	362	138	305	334	364	25534	106.0
EKINGSTN-RHINEBCK_115_ER	ER	115	220	234	256	26222	34.8
ELBRIDGE_345_115_BK 1	BK 1	345	542	621	796	25448	362.8
ELBRIDGE-GRS_LOCK_115_19	19	115	141	144	165	26097	8.7
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	13.9
ELBRIDGE-LAKELAND_115_4	4	115	190	208	221	325316	11.5
ELBRIDGE-MILTON_C_115_18	18	115	156	159	159	26095	20.4

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
ELBRIDGE-STATE_ST_115_5-972	5-972	115	299	343	358	25107	102.7
ELBRIDGE-STATE_ST_115_6-710	6-710	115	297	306	337	326377	72.5
ELM_ST__-SENECA___230_71	71	230	223	254	262	26426	13.3
ELM_ST__-SENECA___230_72	72	230	223	254	262	26427	13.3
ELWOOD__-PULASKLI_69__670	670	69	132	146	156	26610	35.4
ENDICOTT-RANGEHL__115_920	920	115	149	149	149	26158	19.7
ENDICOTT-ROBBLEAV_115_948	948	115	263	263	263	26159	25.8
ENORWICH-CTYLINE__115_918	918	115	149	172	179	325280	40.8
ENORWICH-CTYLINE__115_918	918	115	149	172	179	325280	40.8
ENORWICH-CTYLINE__115_918	918	115	149	172	179	325280	40.8
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729	0.0
ERIE E__-S.RIPLEY_230_69	69	230	587	637	637	25016	18.2
ERIE_ST_-PAVMNTRD_115_926	926	115	252	268	268	26175	71.5
ESTOLERD-STOLLERD_345_28	28	345	800	800	800	327463	277.2
ETNA____-CLRKSCRN_115_715	715	115	282	290	320	325728	94.9
ETNA____-CLRKSCRN_115_947	947	115	222	229	242	325727	92.8
ETNA____-WILLET___115_945	945	115	155	171	181	25731	61.3
FAIRFIEL-INGHAM_C_115_3	3	115	141	144	159	26106	63.2
FALCONER-SOUTHDOW_115_153	153	115	156	171	182	26033	21.3
FALCONER-SOUTHDOW_115_154	154	115	156	171	182	26032	15.0
FALLSPRK-VALKIN___115_19-730	19-730	115	268	293	317	326940	63.7
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	0.0
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	0.0
FARRAGUT-GOWANUS__345_41	41	345	724	899	1356	25141	27.9
FARRAGUT-GOWANUS__345_42	42	345	615	805	1284	25140	27.9
FARRAGUT-HUDS_AVE_138_32077	32077	138	121	146	156	25291	128.5
FARRAGUT-HUDS_AVE_138_32711	32711	138	129	154	167	25293	126.5
FARRAGUT-PLYMTHST_138_32078	32078	138	129	154	168	25292	125.8
FARRCKWY-CEDRHRST_69__256	256	69	143	157	168	26566	26.1
FARRCKWY-WOODMERE_69__259	259	69	120	136	143	26597	34.0
FERNDALE-WWDBURNY_115_959	959	115	90	90	90	26180	20.4
FEURABSH-GREENBSH_115_17	17	115	222	234	278	25862	103.3
FEURABSH-NCATSKLL_115_2	2	115	268	293	317	25067	70.3
FISHKPLN-EFISHKIL_115_HF	HF	115	286	301	372	26227	95.1
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	238	239	239	25066	93.0

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
FITZPTRK-EDIC_____345_FE-1	FE-1	345	1434	1434	1661	25077	776.7
FIVEMILE_345_115_BK1	BK 1	345	597	597	597	326175	188.6
FIVEMILE-ESTOLERD_345_29	29	345	1840	2021	2223	327464	120.7
FLATSTR_-EELPOTRD_115_722	722	115	143	157	167	325287	12.4
FORGEBRK-MERTPARK_115_WF	WF	115	225	251	282	26229	11.0
FORTORNG-SCHODACK_115_14	14	115	227	248	268	326937	0.0
FOXHILLS-WILLWBRK_138_29211	29211	138	207	275	450	25771	29.1
FOXHILLS-WILLWBRK_138_29212	29212	138	207	275	450	25772	11.5
FRASER___345_115_BK 2	BK 2	345	364	420	420	25391	119.2
FRASER__-COOPERS__345_33	33	345	1793	1793	1793	25236	431.9
FRASER__-GILBOA___345_GF5-35	GF5-35	345	1746	1896	1971	25060	58.9
FRASERNY-DELHI_TP_115_951	951	115	255	255	255	26202	118.6
FREEPORT-NEWBRDGE_138_461	461	138	218	284	406	25155	193.3
FRESHKLS_138C_138A_R1 _ 21191	PSR 1	138	371	429	483	25639	114.8
FRESHKLS_138C_138B_R2 _ 21192	PSR 2	138	348	438	499	25640	114.8
FRESHKLS_345_138_TA 1	TA 1	345	371	429	483	25457	115.1
FRESHKLS_345_138_TB 1	TB 1	345	379	437	499	25458	115.1
FRONT_ST-ROSA_RD__115_11	11	115	239	239	239	26274	79.0
FTZPK_NM-LIGHTHSE_115_3	3	115	119	119	159	25502	37.9
FULLRHWL-MORGANRD_115_937	937	115	239	239	239	325223	0.2
GARDNVLA_230_1___BK6P	BK 6	230	366	386	386	25405	15.8
GARDNVLA_230_1___BK7P	BK 7	230	245	296	300	25435	15.7
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	79.5
GARDNVLA-LANGNERD_115_903	903	115	255	255	255	325284	10.1
GARDNVLA-STOLLERD_230_66	66	230	613	673	765	25180	87.4
GARDNVLB_230_115_TR 2	BK 2	230	422	518	666	25385	27.7
GARDNVLB_230_115_TR 3	BK 3	230	382	462	462	25416	17.7
GARDNVLB_230_115_TR 4	BK 4	230	382	462	462	25417	27.3
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	9.1
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	0.0
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	30.9
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	31.6
GARDNVLB-COBBLENM_115_151	151	115	227	232	232	26040	8.7
GARDNVLB-COBBLENM_115_152	152	115	227	249	268	26023	10.7
GARDNVLB-DUNKIRK__230_73	73	230	637	637	637	25166	0.0

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
GARDNVLB-DUNKIRK__230_74	74	230	633	633	633	25197	46.6
GARDNVLB-GARDNVLA_115_T1012	T10	115	308	308	308	25085	50.4
GARDNVLB-GARDNVLA_115_T1112	T11	115	372	391	472	326149	31.3
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	689	689	689	25089	27.7
GARDNVLB-WALDENNG_115_54-921	54-921	115	227	249	268	26035	13.2
GE_R_D__-GROOMS___115_20_15	20	115	245	257	294	26266	31.5
GE_R_D__-GROOMS___115_20_15	15	115	245	257	294	26266	31.5
GILBOA__-LEEDS____345_GL3	GL3	345	1762	1896	2241	25219	472.4
GILBOA__-N.SCTLND_345_GNS-1	GNS-1	345	1746	1896	2103	25052	94.6
GINNA___-PANNELRG_115_912	912	115	289	305	312	25260	75.6
GINNA___-S124_____115_913	913	115	272	280	306	26281	96.4
GINNA___-STA_135__115_909	909	115	282	298	313	325837	89.2
GINNA___-STA_135__115_937	937	115	297	325	358	325838	89.2
GINNA___-STA_204__115_908	908	115	322	360	415	26282	116.9
GINNA___-STA_204__115_911	911	115	320	358	414	26283	113.9
GIRDLERD-STOLLERD_115_706	706	115	238	239	239	325161	104.0
GLDNBRGD-CROTONFL_115_991	991	115	261	287	311	326416	3.4
GLENWDGT-ROSLYN___138_364	364	138	359	380	421	25556	78.5
GLENWOOD-CARLPLCE_138_363	363	138	308	368	405	25554	85.4
GLENWOOD-GLENWDGT_138_366	366	138	354	375	415	25555	78.5
GOETHALS_345_1___BK1P	BK 1	345	897	1130	1271	325129	0.1
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	0.3
GOETHALS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	115.1
GOETHALS-FRESHKLS_345_22	22	345	1285	1618	1817	25137	115.1
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	155.7
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	155.7
GOLAH___-MORTIMER_115_110	110	115	141	144	159	26034	53.3
GORDONRD_345_230_TR-G1	TR-G1	345	760	760	760	327483	261.6
GORDONRD_345_230_TR-G3	TR-G3	345	783	885	1195	327484	261.5
GORDONRD-PRINCTWN_345_371	371	345	2216	2216	2216	625030	48.7
GORDONRD-ROTTRDAM_230_30	30	230	753	753	753	327485	261.5
GORDONRD-ROTTRDAM_230_31	31	230	753	753	753	327486	261.5
GOUDEY__-ROBBLEAV_115_940	940	115	262	262	262	325166	15.6
GOWANUS__138A_138B_PAR R14	PAR R14	138	273	338	407	25794	179.6
GOWANUS__138A_138B_PAR R2	PAR R2	138	413	516	600	25793	179.8

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
GOWANUS__345_138_BK T14	BK T14	345	309	407	421	25475	180.3
GOWANUS__345_138_BK T2	BK T2	345	413	516	600	25476	180.2
GOWANUS__345KV_REA_R41_REACTR	R41 S.REA	345	687	896	1315	26001	27.9
GOWANUS__345KV_REA_R42_REACTR	R42 S.REA	345	687	896	1315	26003	27.9
GOWANUS_-GOETHALS_345_25	25	345	561	748	1241	25139	40.5
GOWANUS_-GOETHALS_345_26	26	345	561	748	1241	25571	40.5
GOWANUS_-GREENWD__138_42231	42231	138	273	387	516	25214	179.8
GOWANUS_-GREENWD__138_42232	42232	138	273	338	407	25215	179.6
GOWANUSA-GREENWD__138_42G24	42G24	138	270	307	322	26007	179.1
GOWANUSC-GREENWD__138_42G13	42G13	138	259	307	322	26006	89.1
GREENBSH-STEPHTWN_115_993	993	115	141	144	159	26447	13.6
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185	4.6
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184	16.1
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184	16.1
GREENDGE-MONTRFL__115_970	970	115	145	160	178	26183	19.9
GREENLWN-ELWOOD___138_673	673	138	381	589	667	25546	6.8
GREENLWN-SYOSSET__138_676	676	138	262	364	655	25548	51.5
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	43.9
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	23.6
GROOMS__-JOHNSON__115_13-14	14	115	268	293	317	26267	45.5
GROOMS__-JOHNSON__115_13-14	13	115	268	293	317	26267	45.5
GRS_LOCK-GELCKHM__115_8	8	115	190	208	221	26103	57.0
GRS_LOCK-HARRISRD_115_16	16	115	141	144	165	26102	38.7
GUARDIAN-HALEYRD__115_969	969	115	270	270	270	26167	59.6
HALEYRD_-GREENDGE_115_969	969	115	240	270	297	325294	30.8
HANCOCK_-HAZEL____115_955	955	115	90	90	90	26187	0.0
HARNGCRN-W.NYACK__69__701	701	69	141	154	160	26259	10.3
HARSNRAD-ROBNSNRD_115_907	907	115	260	286	310	26162	21.4
HAUPPAUG-C._ISLIP_138_889	889	138	248	383	422	25681	107.2
HAZEL___-FERNDALE_115_955	955	115	119	120	120	26181	9.8
HELLGATE-ASTORIAW_138_24052	24052	138	188	264	447	25211	18.3
HELLGATE-HELLGATE_138_15055L	15055L	138	242	321	400	25573	216.8
HELLGATE-HELLGATE_138_15055M	15055M	138	242	321	400	26729	216.8
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	102.6
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	102.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
HELLGT_W-ASTORIAW_138_24051	24051	138	183	270	284	25210	26.8
HELLGT_W-ASTORIAW_138_24053	24053	138	171	207	207	25212	85.5
HELLGT_W-ASTORIAW_138_24054	24054	138	171	207	207	25213	84.9
HELLGT_W-ASTORIAW_138_24056	24056	138	183	270	284	26461	26.8
HEMPSTED-EGRDNCTY_69_358	358	69	141	141	141	326813	28.4
HEWLETT_-VALLYSTR_69__260	260	69	128	157	168	325286	49.3
HICKLING-CATON____115_958	958	115	120	120	120	26189	10.7
HICKLING-YAWGERRD_115_964	964	115	149	164	175	26188	6.4
HILLBURN-RAMAPOOR_138_52	52	138	210	270	287	25882	38.0
HILLBURN-S.MAHWAH_69__65	65	69	165	181	188	26263	16.5
HILLSIDE_230_1_BK3P	BK 3	230	299	336	336	325759	95.0
HILLSIDE_230_1_BK4P	BK 4	230	462	543	560	325760	76.1
HILLSIDE-CHEMUNG__115_962	962	115	171	188	224	25726	37.5
HILLSIDE-WATRCURE_230_69	69	230	645	663	711	25181	119.5
HINMAN__-HARSNRAD_115_908	908	115	297	306	306	26161	133.3
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	40.1
HOLBROOK-NSHORBCH_138_884	884	138	402	441	489	25341	3.6
HOLBROOK-SILLSRD__138_872	872	138	563	599	681	25340	29.9
HOLBROOK-WEST BUS_138_888	888	138	574	616	682	25542	162.6
HOMER_HL-FIVE_MIL_115_169	169	115	270	297	324	26452	74.2
HOMER_HL-FIVE_MIL_115_170	170	115	270	297	324	26022	74.2
HOMER_HL-NILE_____115_157	157	115	107	117	123	26041	32.3
HOMR_NYW-PIERC_NY_345_48	48	345	1508	1713	1789	326214	121.9
HOMRC_NY-MAINS_NY_345_47	47	345	1482	1631	1900	326121	224.2
HONK_FLS-ELLENVTP_69__WH	WH2	69	51	56	59	26234	24.9
HOOK_TAP-FARMGTN__115_7-983	7-983	115	176	181	199	26100	29.4
HOPATCON-RAMAPO___500_5018	5018	500	1156	1450	1915	25019	199.6
HUDS_AVE-JAMAICA__138_701	701	138	161	246	409	25294	44.1
HUDS_AVE-JAMAICA__138_702	702	138	161	246	409	25295	44.1
HUDSONP_-FARRAGUT_345_B3402	B3402	345	464	643	877	25020	0.0
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	0.0
HUNTLEY_-ELM_ST___230_70	70	230	432	477	491	25855	32.5
HUNTLEY_-PEROXYCM_115_39	39	115	211	217	242	26044	30.8
HUNTLEY_-SAWYER___230_79	79	230	691	760	848	25127	94.3
HUNTLEY_-SAWYER___230_80	80	230	691	760	848	25128	134.9

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
HUNTLEY_-SWETH224_115_37	37	115	190	190	190	26045	11.5
HUNTLEY_-TWOMLCRK_115_38	38	115	176	181	209	26047	31.4
HUNTLEY_-YOUNG214_115_36	36	115	210	210	210	26046	12.4
HURLYAVE_345/115_BK 1	BK 1	345	486	560	560	25419	200.3
HURLYAVE-LINCNPRK_115_HP	HP	115	243	267	293	25833	70.3
HURLYAVE-ROSETON__345_303	303	345	1713	1885	1912	25218	278.3
HURLYAVE-STURGNPL_115_HS	HS	115	211	224	241	25834	76.7
HYATT___-BORDRCTY_115_10-979	10-979	115	155	170	179	25106	30.3
IMC_TAP_-MECO_____115_15-IM	15	115	152	166	175	26132	19.0
INDK-OSW-EPULASKI_115_2	2	115	141	144	165	25503	47.9
INDPDNCE-SCRIBA___345_25	25	345	1918	2115	2390	25859	118.0
INGHAM_C_115_115_PAR 2	PAR 2	115	197	234	239	25242	120.0
INGHAM_C-INGHAM_E_115_R81	R81	115	222	234	239	25243	58.7
INGHAM_E-ESPRGFLD_115_7-942	7-942	115	114	124	124	25061	26.5
INGHAM_E-FAGEDARY_115_9	9	115	128	135	152	25863	30.0
INGHAM_E-STJHNVLE_115_6	6	115	104	107	122	26133	31.2
JAMAICA_-LAKSUCSS_138_903	903	138	271	350	428	25090	188.9
JAMAICA_-VALLYSTR_138_901 L_M	901 L&M	138	307	368	441	25048	99.7
JENNISON-AFTON____115_954	954	115	173	191	200	26186	9.1
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	63.6
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	6.1
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	61.5
KATONAH_-AMAWALK__115_995	995	115	261	287	311	325279	28.5
KATONAH_-GLDNBRGD_115_991	991	115	261	287	311	26157	23.7
KENTAVE_-GREENWD__138_31232	31232	138	195	249	310	25299	92.6
KINGS___-WEST BUS_138_881	881	138	569	610	675	326911	18.5
KNAPPCRN-SANDDOCK_115_KB_KC	KC	115	243	267	293	26240	8.9
KNAPPCRN-SANDDOCK_115_KB_KC	KB	115	243	267	293	26240	8.9
KNAPPCRN-SPACKILL_115_SK	SK	115	243	267	293	325777	28.0
KNICRBKR-ALPS_____345_6	6	345	1918	2089	2147	625040	286.4
KNICRBKR-PLSNTVLY_345_Y57	Y57	345	2213	2401	2454	625041	600.8
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	7.3
LADENTWN-BOWLINE__345_68	68	345	777	837	837	25249	466.7
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	1248.8
LADENTWN-WHAVSTRW_345_67-2	67	345	1976	2387	2895	25248	433.4

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
LAFAYTTE-CLRKSCRN_345_4-46	4-46	345	1279	1410	1793	25049	704.4
LAFAYTTE-DEWITT___345_22	22	345	1643	1643	1643	25174	206.8
LAKSUCSS_138A_138B_PAR	PAR	138	271	350	427	25593	190.0
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	42.8
LAONA___-MOONROAD_115_172	172	115	107	117	123	326591	17.9
LAONA___-MOONROAD_115_173	173	115	107	117	123	326592	17.9
LASHERRD-TAPBLSTN_115_43	43	115	478	478	478	327083	17.7
LAUREL L-GOUDEY___115_952	952	115	133	149	162	25012	38.8
LEEDS___-ATHENS___345_95	95	345	1624	1783	1946	25789	523.7
LEEDS___-HURLYAVE_345_301	301	345	1713	1885	1912	25055	479.0
LEEDS___-VNWAGNER_345_92	92	345	1624	1783	1912	25056	525.6
LIGHTHSE-MALLORY__115_7	7	115	141	144	165	25521	3.2
LINCNPRK-EKINGSTN_115_LR	LR	115	243	260	282	26223	45.8
LINDEN__-GOETHALS_230_A2253	A2253	230	760	847	956	25017	0.1
LINDN_CG-LNDVFT___345_V-3022	V-3022	345	325	415	436	325657	311.3
LITTLRIV-COLTON___115_8	8	115	93	101	106	25514	8.4
LOCKPORT-HINMAN___115_100	100	115	268	293	317	25087	116.0
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	36.6
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	44.0
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	54.6
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	39.6
LOCKPORT-TELGRAPH_115_114	114	115	174	191	199	25264	51.0
LOCUSTGR-NEWBRDGE_138_558	558	138	353	584	664	25158	254.3
LONG_MTN-CRICKVLY_345_398	398	345	1533	1935	2242	25033	310.8
LONGLANE-LAFARGE__115_6	6	115	141	144	159	25864	0.0
LOVETT__-BOWLINOR_138_56	56	138	191	230	321	25877	22.0
LOVETT__-STONYPNT_138_54	54	138	187	228	308	25885	5.8
LUTHERFT-MALTA____115_44	44	115	213	292	318	325890	4.9
LUTHERFT-MULBRYNM_115_308	308	115	311	318	318	325742	39.2
LYON_MTN-KNTFSRNC_115_1(911)	1(911)	115	149	172	204	26205	31.8
MAINESBG-WATRCURE_345_30	30	345	1278	1410	1434	25018	185.7
MALONE__-WILLIS___115_1-910	1-910	115	168	173	173	25586	92.2
MANCHSTR-SPACKILL_115_MC	MC	115	243	267	293	325776	53.7
MAPLEWOD-WTRVLARS_115_19	19	115	239	239	239	25870	32.5
MAPLEWOD-WTRVLARS_115_31	31	115	168	188	239	25844	60.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
MARCY____765_345_AT2	AT2	765	1926	2378	2390	25456	347.2
MARCY____765_345_BK 1	AT1	765	1756	1756	1756	25455	395.4
MARCY___-EDIC_____345_UE1-7	UE1-7	345	2187	2390	2390	25229	540.8
MARCY___-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	438.1
MARCY___-N.SCTLND_345_18	18	345	1793	2034	2241	25276	524.3
MARION__-FARRAGUT_345_C3403	C3403	345	454	645	841	25038	0.0
MARSHVLE-CLINTON__115_12	12	115	152	158	158	325267	3.0
MASSENA__765_230_AT1	AT1	765	1288	1378	1872	25665	106.6
MASSENA__765_230_AT2	AT2	765	1288	1378	1872	25666	106.5
MASSENA_-MARCY____765_MSU1	MSU1	765	5300	5300	5300	25224	742.6
MCADOO__-DEKALB___115_4	4	115	93	101	106	26064	9.9
MCINTYRE-CORNING__115_6	6	115	156	158	159	26108	0.7
MCKNOWNV-NEWKRMKL_115_8	8	115	337	373	414	26499	54.3
MECO____-CENTERST_115_22	10	115	152	153	153	327075	1.5
MENANDS_-REYNOLDS_115_2	2	115	255	282	316	26135	122.1
MENANDS_-RIVERSDE_115_3	3	115	298	344	414	26134	45.2
MERTPARK-WICCOPEE_115_WP	WP	115	246	260	282	325772	31.3
MEYER____230_1___BK4P	BK 4	230	223	268	268	325765	87.7
MEYER___-CANANDGA_230_60	60	230	591	649	715	325604	17.2
MEYER___-MORAINE__115_966	966	115	149	172	191	26166	27.4
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	190.3
MIDDLETP_345_138_BK 114	BK 114	345	506	587	671	26465	190.6
MIDDLETP-ROCKTVRN_345_CCRT34	CCRT34	345	1918	2115	2390	26464	314.6
MILAN___-BLUESTOR_115_T7	T7	115	219	232	255	327498	21.3
MILAN___-PLSTVYCH_115_10	10	115	169	187	199	26433	22.2
MILAN___-RHINEBCK_115_MR	MR	115	219	232	239	26242	10.4
MILLERPL-HOLBROOK_138_885	885	138	517	577	654	26691	3.9
MILLIKEN-ETNA_____115_974	974	115	231	260	286	26177	0.5
MILLIKEN-ETNA_____115_975	975	115	219	219	219	26178	0.3
MILLWOOD_345_138_TA 1	TA 1	345	248	333	359	25530	24.4
MILLWOOD_345_138_TA 2	TA 2	345	234	305	321	25531	26.0
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	750.7
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	712.1
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	711.6
MNTNDALE-WWDBURNY_115_957	957	115	133	138	138	325616	22.8

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
MODENA__-OHIOVLLE_115_PX	PX	115	285	310	349	25835	0.8
MOHICAN_-BATNKILL_115_15	15	115	270	297	324	26122	0.0
MOHICAN_-DARBY____115_309	3	115	227	248	268	26687	0.0
MONSEY__-BURNS____138_601	601	138	456	478	500	325608	51.7
MONTRFL_-CODINGTN_115_982	982	115	133	149	162	25728	23.5
MONTRFL_-RIDGE_RD_115_963	963	115	133	149	162	26196	4.1
MONTRFL_-RIDGE_RD_115_978	978	115	133	149	162	26197	2.4
MOONROAD-FALCONER_115_175	175	115	107	117	123	26030	29.4
MOONROAD-FALCONER_115_176	176	115	107	117	123	26031	29.2
MORGANRD-LANGDON__115_936	936	115	238	239	239	325224	13.6
MORTIMER-FAIRPORT_115_1	1	115	168	181	188	25163	54.0
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	31.3
MORTIMER-STA_56___115_24	24	115	156	171	182	25096	47.1
MORTIMER-STA_89___115_25	25	115	139	146	162	25095	57.4
MOSES____230_115_AT1	AT1	230	526	589	719	25411	47.1
MOSES____230_115_AT2	AT2	230	479	589	722	25451	46.4
MOSES____230_115_AT3	AT3	230	220	276	288	25452	0.0
MOSES____230_115_AT4	AT4	230	551	598	719	25453	46.8
MOSES___-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	3.2
MOSES___-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	3.3
MOSES___-ALCOA_PA_115_MAL6	MAL6	115	257	281	284	25581	102.0
MOSES___-GRASRIVR_115_MAL4	MAL4	115	291	319	350	25582	106.0
MOSES___-GRASRIVR_115_MAL5	MAL5	115	265	265	265	25583	106.0
MOSES___-MASSENA__230_MMS1	MMS1	230	1279	1378	1593	25274	106.6
MOSES___-MASSENA__230_MMS2	MMS2	230	1279	1378	1593	25275	106.5
MOSES___-WILLIS___230_MW1	MW1	230	447	473	517	25188	0.0
MOSES___-WILLIS___230_MW2	MW2	230	447	473	517	25271	13.9
MOTTHAVN-RAINEY___345_Q11	Q11	345	741	858	1309	325430	354.9
MOTTHAVN-RAINEY___345_Q12	Q12	345	741	858	1309	325431	331.8
N.AKRON_-BATAVIA__115_108	108	115	152	159	159	25125	20.1
N.CARTHG-TAYLORVL_115_8	8	115	119	119	119	26431	15.1
N.END___-ASHLEYRD_115_702	702	115	351	386	434	25846	65.3
N.END___-PLATSBRG_115_701	701	115	239	239	239	25848	134.4
N.HEMPST-WHAVSTOR_138_530	530	138	282	309	321	26506	0.0
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	109.0

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	104.1
N.SCTLND-AIRPRDCT_115_8	8	115	340	373	414	25496	98.1
N.SCTLND-ALTAMONT_115_20	20	115	141	144	165	25492	45.4
N.SCTLND-BETHLHEM_115_4	4	115	311	313	313	25497	99.2
N.SCTLND-FEURABSH_115_3	3	115	311	341	375	25495	93.0
N.SCTLND-KNICRBKR_345_2	2	345	2041	2242	2390	25217	314.5
N.SCTLND-LEEDS____345_93	93	345	1534	1692	1912	25171	533.0
N.SCTLND-LEEDS____345_94	94	345	1534	1692	1912	25203	530.1
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	44.0
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	17.2
N.TROY__-EASTOVER_115_306	306	115	227	248	268	326095	37.2
N.TROY__-EASTOVER_115_307	307	115	227	248	268	326096	33.4
N.TROY__-HOOSICK__115_5	5	115	268	293	317	26131	16.5
N.TROY__-SYCAWAY__115_14-988	14-988	115	227	248	268	26137	4.7
N.TROY__-SYCAWAY__115_16	16	115	227	248	268	26139	18.1
NANOTECH-MCKNOWNV_115_2	2	115	337	373	414	326637	34.7
NCHELSEA-FISHKPLN_115_NF	NF	115	255	290	315	26228	7.9
NCHELSEA-FORGEBRK_115_FO	FO	115	225	251	282	26230	20.4
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	661.0
NESCNSET-HOLBROOK_69__673	673	69	132	146	156	326339	19.4
NEVRSNK_-NVRSK_TP_69__WH	WH	69	101	114	121	26244	1.8
NEWBRDGE_345_138_BK_1	BK 1	345	417	525	597	325301	330.6
NEWBRDGE_345_138_BK_2	BK 2	345	450	469	562	325302	330.6
NEWBRDGE-BAGATLRD_138_563	563	138	402	579	658	25536	5.1
NEWBRDGE-DUFFYAVE_345_501	501	345	660	785	785	325303	661.3
NEWBRDGE-EGRDNCTY_138_467	467	138	268	399	669	325378	32.5
NEWBRDGE-RULAND___138_561	561	138	297	326	349	25305	55.6
NEWBRDGE-RULAND___138_562	562	138	295	323	346	25306	55.6
NEWBRDGE-RULAND___138_567	567	138	256	398	641	325379	56.4
NEWKRMKL-ALBANY___115_7	7	115	340	371	413	325257	68.3
NIAGARA__230_115_AT1	AT1	230	240	345	479	25409	14.0
NIAGARA__230_115_AT2	AT2	230	275	349	418	25410	0.0
NIAGARA__345_230_AT3	AT3	345	433	542	564	25408	138.2
NIAGARA__345_230_AT4	AT4	345	864	1006	1127	25449	244.6
NIAGARA__345_230_AT5	AT5	345	433	542	564	25450	133.2

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
NIAGARA_-DYSINGER_345_ND1	ND1	345	1591	1745	1793	327443	313.8
NIAGARA_-DYSINGER_345_ND2	ND2	345	1591	1745	1904	327456	311.9
NIAGARA_-LNGRD209_115_180	180	115	243	249	297	25104	62.6
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	71.5
NIAGARA_-PACKARD__115_191	191	115	449	567	597	25075	111.1
NIAGARA_-PACKARD__115_192	192	115	449	567	597	25099	129.4
NIAGARA_-PACKARD__115_193	193	115	449	567	597	25100	122.9
NIAGARA_-PACKARD__115_194	194	115	449	567	597	25101	122.9
NIAGARA_-PACKARD__115_195	195	115	449	567	597	25102	142.9
NIAGARA_-PACKARD__230_61	61	230	767	844	949	25186	188.4
NIAGARA_-PACKARD__230_62	62	230	717	717	949	25220	184.6
NIAGARA_-ROBNSNRD_230_64	64	230	638	678	764	25088	126.6
NIAGARA_-SANBORN__115_102	102	115	349	369	411	25103	73.8
NINEMILE-CLAY_____345_8	8	345	1278	1410	1624	25167	787.2
NINEMILE-FTZPK_NM_115_4	4	115	119	119	159	25500	37.9
NINEMILE-SCRIBA___345_9	9	345	1278	1410	1792	25359	169.0
NOGDNBRG-MCINTYRE_115_9	9	115	159	159	159	26080	12.6
NRTH1385-NOR HBR__138_601	601	138	147	200	409	325597	33.3
NRTH1385-NOR HBR__138_602	602	138	147	200	409	325598	33.3
NRTH1385-NOR HBR__138_603	603	138	147	200	409	325599	33.3
NRTH1385-NRTHPORT_138_1385	NNC	138	441	569	569	25035	100.0
NRTHPORT_138_138_PS2	PS2	138	473	488	586	25599	182.0
NRTHPORT_138N_138E_PAR 1	PAR 1	138	491	569	569	25598	100.0
NRTHPORT-ELWOOD___138_678	678	138	356	582	659	25543	18.3
NRTHPORT-ELWOOD___138_681	681	138	358	612	677	25544	12.5
NRTHPORT-PILGRIM__138_672	672	138	175	288	417	25307	101.0
NRTHPORT-PILGRIM__138_677	677	138	352	575	667	25308	201.7
NRTHPORT-PILGRIM__138_679	679	138	357	579	667	25309	201.7
OAKDALE__230_115_BK 1	BK 1	230	318	398	398	25400	44.8
OAKDALE__345_1___BK3P	BK 3	345	520	600	600	25399	177.6
OAKDALE__345_115_BK 2	BK 2	345	542	557	597	25401	176.3
OAKDALE_-DELHI____115_919	919	115	171	179	179	25897	21.6
OAKDALE_-ENDICOTT_115_938	938	115	175	175	175	26198	87.3
OAKDALE_-FRASER___345_32	32	345	1314	1314	1314	25235	148.1
OAKDALE_-GOUDEY___115_939	939	115	292	321	352	26182	90.8

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
OAKDALE_-KATTLVLE_115_943	943	115	171	188	200	26201	84.3
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199	81.9
OAKSTRET-CORPDRIV_138_704	704	138	235	309	431	326882	57.8
OAKWOOD_-ELWOOD___138_674	674	138	380	589	667	25545	20.8
OAKWOOD_-SYOSSET__138_675	675	138	262	364	656	25547	56.3
OHIOVLLE-HIGHLAND_115_OR	OR	115	223	234	278	26247	37.3
ONEIDA__-GRNEMPFM_115_2	2	115	141	144	159	25895	29.3
ONEIDA__-SHERILPL_115_6	6	115	141	144	159	26113	32.1
ONEIDA__-WALESVIL_115_7	7	115	141	144	159	26115	37.1
OSWEGO___345_115_BK 7	BK 7	345	576	657	774	25372	375.4
OSWEGO__-ELBRIDGE_345_17	17	345	1278	1410	1792	25234	869.1
OSWEGO__-S.OSWEGO_115_3	3	115	209	250	250	25507	153.1
OSWEGO__-S.OSWEGO_115_5	5	115	209	250	250	25508	153.1
OSWEGO__-S.OSWEGO_115_8	8	115	318	318	318	25509	54.9
OSWEGO__-VOLNEY___345_11	11	345	1278	1410	1792	25199	198.4
OSWEGO__-VOLNEY___345_12	12	345	1278	1410	1792	25201	198.4
PACKARD__230_115_BK 3	BK 3	230	233	250	250	25414	28.0
PACKARD__230_115_BK 4	BK 4	230	235	250	250	25415	23.6
PACKARD_-LNGRD209_115_182	182	115	243	249	297	26056	67.0
PACKARD_-MILTR210_115_129	129	115	239	317	317	25906	104.8
PACKARD_-MILTR210_115_130	130	115	239	317	317	26059	95.0
PACKARD_-NIAGB130_115_181-922	181-922	115	194	199	233	26055	49.6
PACKARD_-SAWYER___230_77	77	230	680	747	836	25164	172.1
PACKARD_-SAWYER___230_78	78	230	680	747	836	25195	172.1
PALMITER-BENNETT__115_932	932	115	95	100	111	26165	2.0
PANNELL__345_115_4T	BK 4T	345	582	598	598	326315	69.9
PANNELL__345_115_5T	BK 5T	345	582	598	598	326316	69.7
PANNELL__345_115_6T	BK 6T	345	582	598	598	326317	73.5
PANNELL_-CLAY_____345_1	1	345	1195	1315	1673	25058	387.0
PANNELL_-CLAY_____345_2	2	345	1195	1315	1673	25050	388.3
PANNELRG-FARMGTN__115_4-977	4-977	115	298	343	364	25080	109.0
PARISHVL-COLTON___115_3	3	115	156	170	181	25241	7.9
PATROON_-NANOTECH_115_6	6	115	340	373	414	25866	12.8
PAVMNTRD-STOLLERD_115_926	926	115	299	335	358	325220	81.9
PAWLING_-TILYFSTR_115_994	994	115	299	312	312	25902	25.2

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
PEARLRVR-HARNGCRN_34__45	45	34.5	25	29	32	26278	1.8
PIERCBRK-FIVEMILE_345_37	37	345	1195	1195	1195	326225	68.2
PILGRIM__138B_138A_PAR	PAR	138	347	371	422	25604	140.1
PILGRIM_-HAUPPAUG_138_871	871	138	346	370	422	25550	139.8
PILGRIM_-KINGS____138_880	880	138	566	607	672	25537	0.4
PLATSBRG_230_1___AT1	AT1	230	288	360	375	325794	93.0
PLATSBRG_230_1___AT4	AT4	230	322	375	420	325801	10.8
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	31.8
PLSNTVLE_345_13__BK 1	BK 1	345	64	70	70	25477	21.6
PLSNTVLE_345_13__BK 2	BK 2	345	64	70	70	25478	20.8
PLSNTVLE-DUNWODIE_345_W89	W89	345	2213	2402	2675	25182	902.9
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	943.6
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	558.6
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	558.6
PLSNTVLY-WOOD_ST__345_F30	F30	345	1976	2384	2895	25237	1074.5
PLSNTVLY-WOOD_ST__345_F31	F31	345	1976	2384	2895	25238	0.0
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	202.9
PLSTVYCH-INWOOD___115_X1	X	115	219	232	255	26209	52.2
PLSTVYCH-MANCHSTR_115_M	M	115	243	267	293	26208	71.9
PLSTVYCH-TODDHILL_115_C	C	115	255	302	334	325156	62.2
PORTER__-VALLEY___115_4	4	115	141	144	165	25231	73.5
PORTER__-WATKINRD_115_5	5	115	141	144	165	25232	0.0
PORTJEFF-HOLBROOK_138_862	862	138	330	365	401	25539	55.5
PORTJEFF-HOLBROOK_138_886	886	138	367	389	430	25540	56.6
PRINCTWN-N.SCTLND_345_361	361	345	2216	2216	2216	625031	331.1
PRINCTWN-N.SCTLND_345_362	362	345	2216	2216	2216	625032	331.1
PRINCTWN-N.SCTLND_345_55	55	345	1624	1782	1929	327492	319.5
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093	30.3
QUAKERRD-PANNELRG_115_914	914	115	265	295	312	25261	5.7
QUAKERRD-PANNELRG_115_925	925	115	350	370	412	25682	5.7
QUAKERRD-SLEIGHT__115_13-980	13-980	115	187	206	221	25079	52.3
QUENBRDG-VERNON___138_31281	31281	138	413	550	602	25159	239.1
QUENBRDG-VERNON___138_31282	31282	138	413	550	602	25160	204.8
QUENSBRY-CEDAR____115_10	10	115	156	170	181	26140	42.3
RAINEY___345_1___8EP	BK 8E	345	311	361	424	325107	1.0

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
RAINEY___345_1___8WP	BK 8W	345	327	392	455	325110	31.0
RAINEY___345_138_5E	BK 5E	345	8888	8888	8888	326892	0.0
RAINEY__-E75THSTA_138_38M35	38M35	138	184	258	262	327306	101.3
RAINEY__-FARRAGUT_345_61	61	345	608	801	1286	25152	278.1
RAINEY__-FARRAGUT_345_62	62	345	739	854	1293	25253	245.1
RAINEY__-FARRAGUT_345_63	63	345	608	801	1286	25254	266.1
RAINEY__-VERNON___138_36311	36311	138	280	325	413	25296	31.1
RAINEY__-VERNON___138_36312	36312	138	295	353	409	25297	1.0
RAINEY_138A_138B_PAR_5	PAR5	138	327	417	537	326893	0.0
RAMAPO___345_138_BK 1300	BK 1300	345	592	677	743	25441	73.8
RAMAPO___345_138_BK 2300	BK 2300	345	592	677	743	25442	73.8
RAMAPO___345_345_PAR3500	PAR3500	345	740	901	1150	25370	99.8
RAMAPO___345_345_PAR4500	PAR4500	345	728	931	1093	25371	99.8
RAMAPO___500_345_BK 1500	BK 1500	500	1160	1419	1923	25656	199.6
RAMAPO__-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	852.2
RAMAPO__-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	352.3
RAMAPO__-SUGARLOF_345_76	76	345	2271	2271	2271	326219	580.4
RAMAPOOR-STRLFRST_138_26	26	138	282	309	321	326302	46.6
RAMAPOOR-TALLMAN__138_60	60	138	456	478	500	25880	96.9
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	19.2
REVERCOP-ROME_____115_4	4	115	141	144	165	26072	13.4
REYNOLDS_345_115_BK 2	BK 2	345	550	598	699	25403	267.1
REYNOLDS-ALPS_____345_1	1	345	1912	1912	1912	25587	390.2
REYNOLDS-REGENRON_115_9	9	115	426	470	537	26129	60.3
RIDGE_RD-HILLSIDE_115_963	963	115	133	149	162	26190	23.0
RIDGE_RD-HILLSIDE_115_978	978	115	133	149	162	26191	25.8
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	67.2
RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	23.8
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	29.4
RIVRHEAD-WILDWOOD_138_912	912	138	340	445	493	327372	86.1
ROBNSNRD_230_1___BK1P	BK 1	230	380	420	420	25395	33.6
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	93.0
ROCHESTR_345_115_BK 1	BK 1T	345	582	629	630	25412	100.2
ROCHESTR_345_115_BK 2	BK 2T	345	389	476	478	25432	109.5
ROCHESTR_345_115_BK 3	BK 3T	345	582	629	630	25446	98.9

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
ROCHESTR_345_115_BK 5	BK 5T	345	546	630	630	325381	191.4
ROCHESTR-PANNELL__345_RP1	RP1	345	1591	1745	1904	25192	275.3
ROCHESTR-PANNELL__345_RP2	RP2	345	1591	1745	1904	25172	276.2
ROCKHILL-MNTNDALE_115_957	957	115	184	192	200	325615	26.4
ROCKTVRN_345_115_BK TR1	BK TR1	345	485	530	530	25406	115.1
ROCKTVRN_345_115_BK TR3	BK TR3	345	485	533	560	26168	116.9
ROCKTVRN-RAMAPO___345_77	77	345	2271	2271	2271	25183	663.9
ROCKTVRN-SUGARLOF_345_76	76	345	2271	2271	2271	326218	689.1
ROCKTVRN-SUGRL_CH_115_SL	SL	115	335	397	452	625048	22.5
ROME____-TURNSTON_115_1	1	115	239	239	239	26112	0.0
RONKOKMA-HOLBROOK_138_875	875	138	547	587	650	25541	49.2
ROSA_RD_-GE_R_D___115_14	14	115	245	257	294	26145	50.0
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1101.0
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	323.5
ROTTRDAM_230_115_BK 6	BK 6	230	406	462	478	25407	160.5
ROTTRDAM_230_115_BK 7	BK 7	230	346	396	448	25392	154.5
ROTTRDAM_230_115_BK 8	BK 8	230	377	427	474	25413	124.3
ROTTRDAM-BURDECK__115_17	17	115	141	144	165	25129	15.0
ROTTRDAM-BURDECK__115_19	19	115	141	144	165	26146	22.5
ROTTRDAM-CURRY_RD_115_11	11	115	268	293	317	25869	46.5
ROTTRDAM-EASTOVER_230_38	38	230	511	564	637	326094	82.8
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147	103.2
ROTTRDAM-PINEBUSH_115_35	35	115	141	144	165	25865	38.7
RULAND__-HOLBROOK_138_882	882	138	527	588	666	25538	42.0
RULAND__-PILGRIM__138_661	661	138	515	575	589	25310	63.0
RULAND__-PILGRIM__138_662	662	138	560	582	582	25311	63.0
RYAN____-PLATSBRG_230_RYP-2	RYP-2	230	292	320	356	25273	10.8
RYNDS_HL-HIGHLAND_115_HR	HR	115	220	234	256	325825	20.9
RYNDS_HL-INWOOD___115_IR	IR	115	219	232	255	26248	30.6
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	59.3
S.OSWEGO-CLEARWTR_115_9	9	115	199	199	199	25510	87.1
S.OSWEGO-CURTIS___115_10	10	115	199	199	199	25511	76.9
S.OSWEGO-HAMRHILL_115_6	6	115	141	144	165	25513	48.1
S.OSWEGO-NINEMILE_115_1	1	115	141	144	165	25501	44.1
S.OWEGO_-GOUDEY___115_961	961	115	143	157	167	25725	8.9

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
S.OWEGO_-NWAVERLY_115_962	962	115	143	157	167	25727	40.1
S.OWEGO_-NWAVERLY_115_962	962	115	143	157	167	25727	40.1
S.PERRY_-MEYER____115_934	934	115	106	116	120	26194	12.6
S.PERRY_-MEYER____230_87	87	230	506	556	603	326586	87.7
S.RIPLEY-DUNKIRK__230_68	68	230	597	607	607	25045	18.2
S124_____115A_115B_PS1	PS1	115	176	242	414	325930	85.1
S124_____115A_115B_PS2	PS2	115	176	242	414	325931	85.1
S42_____-S124_____115_932	932	115	213	233	237	325827	84.7
S42_____-S124_____115_938	938	115	213	230	230	325972	84.7
SANBORN_-LOCKPORT_115_101	101	115	285	300	318	25267	69.4
SAND_BAR-PLATSBRG_115_PV20	PV20	115	236	307	320	25027	106.0
SANDDOCK-NCHELSEA_115_SC	SC	115	255	282	315	26249	9.5
SCHODACK-GREENBSH_115_13	13	115	227	248	268	325804	25.5
SCHUYLER-PORTER___115_13	13	115	224	239	239	326142	43.7
SCOTAFLT-MASONCR__115_909	909	115	189	207	221	325702	7.4
SCRIBA__-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1662	25076	60.5
SCRIBA__-VOLNEY___345_20	20	345	1474	1626	1881	25204	562.4
SCRIBA__-VOLNEY___345_21	21	345	1912	1912	1912	25314	736.4
SHAWNERD-LOCKPORT_115_103	104	115	199	199	199	26051	54.7
SHENDOAH-EFISHKIL_115_EF	EF	115	243	267	293	26251	88.1
SHERMAN_-SPIERFLS_115_17	17	115	141	144	159	26148	33.0
SHERMCRK-ACADEMY__138_331	331	138	345	431	546	325755	138.5
SHERMCRK-ACADEMY__138_332	332	138	345	431	546	325754	138.5
SHERMCRK-E179THST_138_15031	15031	138	184	235	371	25156	165.3
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	163.4
SHOEMAKR-CHESTROR_138_27	27	138	282	309	321	26466	56.0
SHOR_NPX-SHOREHAM_138_CSC	CSC	138	353	353	353	325153	329.5
SHORE_RD_345_138_BK 1	BK 1	345	487	534	641	25439	154.6
SHORE_RD_345_138_BK 2	BK 2	345	513	534	641	25440	144.1
SHORE_RD-GLENWOOD_138_365	365	138	367	389	430	25205	23.9
SHORE_RD-GLENWOOD_138_366	366	138	575	622	715	25154	19.9
SHORE_RD-LAKSUCSS_138_367	367	138	249	365	623	25145	170.5
SHORE_RD-LAKSUCSS_138_368	368	138	250	366	625	25150	170.5
SHOREHAM-MILLERPL_138_879	879	138	527	588	666	25117	22.1
SHOREHAM-WILDWOOD_138_863	863	138	566	601	684	25115	146.3

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
SHOREHAM-WILDWOOD_138_867	867	138	528	590	668	25114	143.9
SIDNEYRR-DELHI____115_949	949	115	116	127	127	326184	25.6
SLEIGHT_-CLYDE____115_3-971	3-971	115	143	143	143	26686	11.9
SMAHWAH__345_138_BK 258	BK 258	345	441	516	569	25393	85.5
SMAHWAH_-RAMAPO___345_69	69	345	1601	2015	2268	25021	57.1
SMAHWAH_-RAMAPO___345_70	70	345	1822	2015	2433	25259	29.1
SMITHFLD-SALISBRY_69__690/FV	690/FV	69	60	60	60	25619	9.0
SPENCPRT-STA_113__115_947	947	115	143	151	161	326080	56.7
SPIERFLS-BUTLER___115_4	4	115	128	135	152	26136	35.2
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	8.3
SPIERFLS-MOHICAN__115_7	7	115	141	144	165	26435	30.4
SPIERFLS-QUENSBRY_115_5	5	115	141	144	165	26141	43.2
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	7.9
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	2.4
SPRNBRK__345_138_BK N7	BK N7	345	382	451	472	25628	157.9
SPRNBRK__345_138_BK S6	BK S6	345	382	451	472	25625	164.9
SPRNBRK__345KV_REA_R49	R49	345	755	978	1423	26725	694.7
SPRNBRK_-ACADEMY__345_M29	M29	345	536	775	1369	325756	278.8
SPRNBRK_-DUNWODIE_138_99942	99942	138	409	438	464	25246	157.4
SPRNBRK_-DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	109.3
SPRNBRK_-DUNWOODN_138_99941	99941	138	414	465	465	25245	164.5
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	694.7
SPRNBRK_-TREMONT__345_X28	X28	345	542	725	1220	25175	340.6
SPRNBRK_-W49TH_ST_345_M51	M51	345	799	956	1543	25053	507.1
SPRNBRK_-W49TH_ST_345_M52	M52	345	832	979	1542	25223	507.1
STA_128_-STA_82___115_906	906	115	129	129	129	26303	21.2
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	41.5
STA_135_-STA_230__115_929	929	115	281	298	313	325839	98.2
STA_158_-STA_128__115_924	924	115	155	171	179	26654	16.7
STA_162_-S.PERRY__115_906- 7X	906- 7X	115	143	157	167	25062	14.8
STA_162_-STA_1185_115_907	907	115	142	150	166	325254	23.7
STA_162_-STA_158__115_924	924	115	155	171	179	26653	8.9
STA_204_-S124_____115_911	911	115	272	280	306	26307	81.9
STA_23__-S42_____115_920	920	115	230	230	230	70027	0.0
STA_23__-STA_255R_115_941	941	115	299	398	398	327242	80.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
STA_23__-STA_262__115_944	944	115	400	538	640	70028	30.0
STA_230_-QUAKERRD_115_929	929	115	297	325	358	325840	90.8
STA_251_-MORTIMER_115_901	901	115	222	234	278	25097	75.1
STA_251_-STA_33___115_942	942	115	245	261	283	326100	42.0
STA_251_-STA_33___115_943	943	115	245	261	283	326101	94.6
STA_255__345_115_1TRANS	BK 1T	345	583	672	672	327207	87.4
STA_255__345_115_2TRANS	BK 2T	345	583	672	672	327208	87.4
STA_255_-ROCHESTR_345_40	40	345	1595	1751	1912	327209	22.6
STA_255_-ROCHESTR_345_HR1	HR1	345	1591	1745	1904	327243	14.5
STA_255_-ROCHESTR_345_HR2	HR2	345	1591	1745	1904	327244	14.5
STA_255R-STA_418__115_940	940	115	300	604	717	327241	93.1
STA_262_-STA_33___115_943	943	115	400	640	640	326414	44.8
STA_37__-STA_48___115_926	926	115	351	373	414	26314	70.6
STA_37__-STA_67___115_926	926	115	250	280	300	26313	103.2
STA_418_-STA_113__115_947	947	115	153	167	178	326069	66.4
STA_56__-STA_82___115_23	23	115	176	181	209	26287	38.2
STA_67__-ROCHESRG_115_922	922	115	343	390	398	26321	109.3
STA_67__-STA_418__115_910	910	115	286	303	332	326048	3.6
STA_67__-STA_82___115_903	903	115	343	416	433	26322	33.2
STA_69__-STA_71___115_945	945	115	129	145	161	326238	0.4
STA_69__-STA_93___115_917	917	115	151	167	175	326237	8.0
STA_7___-STA_48___115_919	919	115	272	280	306	26302	44.9
STA_7___-STA_48___115_927	927	115	263	294	348	326039	47.8
STA_7___-STA_93___115_917	917	115	143	149	159	26301	16.0
STA_70__-SPENCPRT_115_947	947	115	143	151	161	326343	39.3
STA_71__-STA_70___115_946	946	115	143	151	161	326342	19.8
STA_82__-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	96.3
STA_82__-ROCHESRG_115_904	904	115	596	651	717	25081	169.7
STA_82__-ROCHESRG_115_905	905	115	608	669	697	26305	158.9
STA_82__-STA_251__115_902	902	115	245	261	283	70058	42.0
STA_82__-STA_48___115_916	916	115	458	542	564	326055	75.6
STATE_CA-PATRTAP__115_15	15	115	170	188	239	26494	15.8
STATE_ST-WRGHTAVE_115_976	976	115	231	239	239	26200	108.8
STEBBINS-DUNKIRK__230_84	84	230	637	637	637	625020	68.6
STERLING-RULAND___138_663	663	138	233	290	321	26498	109.5

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	26.6
STLAWRNC-MOSES____230_L33P	L33P	230	376	454	519	25026	0.3
STLAWRNC-MOSES____230_L34P	L34P	230	420	490	519	25037	0.0
STOLLERD_345_115_BK 3	BK 3	345	372	420	420	25461	139.1
STOLLERD_345_115_BK 4	BK 4	345	249	299	349	25462	138.1
STOLLERD-HISHELDN_230_67	67	230	521	573	621	25064	5.0
STONBROK-PORTJEFF_69__877	877	69	132	146	156	326336	32.9
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	68.1
STONER__-VAILMILL_115_12	12	115	121	121	121	25680	0.0
STONYRDG_230_115_BK1	BK 1	230	291	336	336	325811	84.8
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	38.5
STURGNPL-OHIOVLLE_115_OR	OR	115	223	234	242	326294	57.3
SUGRL_CH_138_115_T1	T-1	138	420	420	420	625050	22.5
SUGRL_CH-SUGRLOAF_138_30	30	138	484	533	556	625049	0.0
SUGRLOAF_345_138_BK1112	BK 1112	345	456	478	500	326220	105.6
SUGRLOAF-STRLFRST_138_261	261	138	282	309	321	25326	86.1
SULLVNPK-STONYRDG_115_712	712	115	277	320	320	325809	84.2
SWAGRTWN-ROTTRDAM_115_1	1	115	478	478	478	26429	108.1
SWANROAD-LOCKPORT_115_104	103	115	199	199	199	26050	0.0
SYLVANLK-PAWLING__115_990	990	115	239	239	239	26156	78.3
SYOSSET_-LOCUSTGR_138_559	559	138	520	580	657	25904	205.9
TALLMAN_-MONSEY___138_602	602	138	456	478	500	325609	72.7
TAYLORVL-BREMEN___115_6	6	115	130	144	161	26070	29.8
TAYLORVL-LOWVILLE_115_5	5	115	130	144	154	26107	0.0
TEALLAVE-CROUSEHD_115_13	13	115	239	239	239	326066	13.4
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	72.3
TEALLAVE-SALCARBM_115_6	6	115	227	239	239	26154	77.2
TEMPLE__-PEAT ST__115_10	10	115	145	176	179	26715	55.4
TERMINAL-PORTER___115_6	6	115	243	250	298	326140	46.1
TERMINAL-SCHUYLER_115_7	7	115	141	144	165	326141	16.6
TILDEN__-SOUTHWOD_115_19	19	115	222	234	239	26092	83.3
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	2.0
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	33.7
TREMONT__138A_138B_BK 11	BK 11	138	271	329	377	25649	168.7
TREMONT__138C_138D_BK 12	BK 12	138	271	329	377	25650	170.9

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
TREMONT__345_138_BK 11	BK11	345	299	350	407	25473	168.9
TREMONT__345_138_BK 12	BK12	345	299	350	407	25474	171.2
TREMONT_-PARKCHTR_138_38X01	38X01	138	251	363	550	25120	84.1
TREMONT_-PARKCHTR_138_38X02	38X02	138	251	363	550	25121	84.1
TREMONT_-PARKCHTR_138_38X03	38X03	138	270	397	550	25122	84.1
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	86.2
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	25.0
UNIONVAL-CROTONFL_115_991	991	115	239	239	239	326417	54.1
VALLEY__-FAIRFIEL_115_12	12	115	141	144	165	325743	47.2
VALLYSTR_138A_138B_PAR	PAR	138	313	368	441	25607	100.0
VALLYSTR-BARRETT__138_291	291	138	204	289	400	25312	108.6
VALLYSTR-BARRETT__138_292	292	138	196	281	394	25313	122.9
VALLYSTR-EGRDNCTY_138_261	261	138	271	369	650	327260	54.7
VALLYSTR-EGRDNCTY_138_262	262	138	189	278	418	25244	89.5
VALLYSTR-FARRCKWY_69__270	270	69	126	146	156	326311	28.8
VALLYSTR-LAKEVIEW_69_264	264	69	60	68	71	325818	2.0
VALLYSTR-MALVERNE_69_267	267	69	96	106	111	325820	15.8
VERNON___138A_138B_PAR R1	PAR R1	138	370	431	510	325712	0.2
VERNON__-GREENWD__138_31231	31231	138	195	249	310	25337	123.7
VERNON__-KENTAVE__138_31232	31232	138	195	249	310	26123	92.7
VERNON__-W49TH_ST_138_38M72	38M72	138	168	252	252	325122	60.4
VINEGRHL_138_27__TR1	TR1	138	116	146	158	327488	0.0
VINEGRHL_138_27__TR2	TR2	138	116	146	158	625027	0.0
VNWAGNER-PLSNTVLY_345_Y58	Y58	345	2445	2719	2770	625044	522.1
VNWAGNER-PLSNTVLY_345_Y59	Y59	345	2445	2719	2770	625045	522.1
VOLNEY__-CLAY_____345_6	6	345	1474	1626	1881	25198	915.1
VOLNEY__-MARCY____345_19	19	345	1918	2115	2390	25345	771.0
W.NYACK_-SNKEHLRD_138_562	562	138	212	281	312	325906	47.0
W_ERIAVE-HICKLING_115_935	935	115	169	190	208	325568	18.9
W_ERIAVE-SULLVNPK_115_711	711	115	299	327	360	325808	62.9
W_YAPHNK-HOLTS_8G_69__853	853	69	88	100	106	26547	0.0
W49TH_ST_345_138_TR1	TR1	345	462	532	651	325061	115.0
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	166.5
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	167.3
WADNGRIV-NSHORBCH_138_878	878	138	450	600	682	325642	17.1

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
WADNGRIV-SHOREHAM_138_891	891	138	527	589	667	25342	17.1
WALCK_RD-BUFALO78_115_133	133	115	239	317	317	26153	77.3
WALDWICK-SMAHWAH__345_J3410	J3410	345	895	1214	2043	25032	28.5
WALDWICK-SMAHWAH__345_K3411	K3411	345	908	1222	2049	25039	29.0
WARNSBRG-SCOFLDRD_115_10	10	115	119	119	119	326148	31.1
WARREN__-FALCONER_115_171	171	115	116	116	120	25015	0.0
WATERSRD-BNVL_TAP_115_8	8	115	141	144	165	327519	33.9
WATERSRD-LOWVILLE_115_7	7	115	128	135	152	327520	48.7
WATKINRD-INGHAM_C_115_2	2	115	141	144	159	25805	58.7
WATRCURE_345_230_BK 1	BK 1	345	516	600	600	25402	84.6
WATRCURE_345_230_BK 2	BK 2	345	519	599	599	327087	85.5
WATRCURE-OAKDALE__230_71	71	230	322	450	685	25179	44.8
WATRCURE-OAKDALE__345_31	31	345	717	717	717	25178	15.5
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	13.0
WEST BUS-SILLSRD__138_873	873	138	572	614	680	325618	21.5
WETHSRFD-S.PERRY__230_85	85	230	506	556	603	325623	105.0
WHAVSTOR_345_138_BK 194	BK 194	345	451	546	619	25447	143.9
WHAVSTOR-LOVETT___138_53	53	138	187	228	308	25884	1.1
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	7.2
WHAVSTRW-WHAVSTOR_345_671	671	345	451	546	619	326216	143.9
WHEMPSTD-CNTYLPRS_69_357-355	357-355	69	141	141	141	325822	16.5
WHEMPSTD-HEMPSTED_69_356	356	69	128	141	141	325823	0.0
WHEMPSTD-LAKEVIEW_69_352	352	69	60	68	71	325819	1.0
WHEMPSTD-MALVERNE_69_353	353	69	60	68	71	325821	0.0
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	20.4
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	28.0
WHITMAN_-ONEIDA___115_8	8	115	159	159	159	25894	1.3
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	32.5
WILDWOOD-RIVRHEAD_138_890	890	138	374	396	438	25905	87.6
WILLET__-ENORWICH_115_709	709	115	155	171	181	25732	36.1
WILLIS___230_115_AT1	AT1	230	164	191	214	25388	41.3
WILLIS___230_115_AT2	AT2	230	164	191	214	25390	41.4
WILLIS__-CHAT_TAP_115_1(911)	1(911)	115	173	191	205	26204	12.1
WILLIS__-PATNODE__230_WPN-1	WPN-1	230	530	582	612	325565	0.0
WILLIS__-RYAN_____230_WRY-2	WRY-2	230	478	478	591	325566	96.6

Name	ID	Voltage	NORM	LTE	STE	PTID	Flow
WILLWBRK-FRESHKLS_138_29211	29211	138	207	275	450	25319	27.4
WILLWBRK-FRESHKLS_138_29212	29212	138	207	275	450	25320	44.4
WOLF_RD_-EVERETRD_115_10	10	115	270	297	324	26255	24.2
WOOD_ST__345_115_BK 1	BK 1	345	350	400	420	25437	126.8
WOOD_ST__345_115_BK 2	BK 2	345	358	412	420	25438	85.9
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	981.4
WOOD_ST_-MILLWOOD_345_W81	W81	345	1976	2387	2895	25525	0.0
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	2409	2679	3406	25358	968.3
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	926.5
WOODLAWN-RUTHROAD_115_12	12	115	227	248	268	26490	8.4
WOODMERE-VALLYSTR_69__261	261	69	120	136	143	325285	49.8
WOODSTNY-AMAWALK__115_996	996	115	261	287	311	25574	63.2
WOODSTNY-KATONAH__115_901	901	115	271	293	303	326481	46.4
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	66.8
WWDBURNE-STHLOWTP_69__WH1	WH1	69	56	61	64	326487	26.4
WWDBURNY_115_69__BK 1	BK 1	115	50	50	50	25404	26.9
WYNTKLNM-REYNOLDS_115_13-988	13-988	115	227	248	268	26143	27.9
YAHNUNDA-DEBALSO__115_3	3	115	156	170	181	26515	58.6
YAWGERRD-RIDGE_RD_115_963	963	115	271	279	307	326312	18.7

Appendix E – INTERFACE DEFINITIONS

NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
West (Zone A) – Genesee (Zone B)		
Name	**Line ID**	**Voltage (kV)**
*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

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 49th Street	M51	345
*Sprain Brook-West 49th Street	M52	345
*Sprain Brook-Academy	M29	345
*Dunwoodie-Sherman Creek	99031	138
*Dunwoodie-Sherman Creek	99032	138
*Dunwoodie-East 179th Street	99153	138
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-Van Wagner	91	345
*Leeds-Van Wagner	92	345
*Leeds-Hurley Ave.	301	345
Churchtown-North Catskill*	12	115
Blue Stores-Milan*	T7	115
Knickerbocker-Pleasant Valley*	Y57	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
*Edic-Princetown	351	345
Edic-Princetown	352	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-New Scotland*	14	345
Marcy-New Scotland*	18	345
*Edic-Princetown	351	345
*Edic-Princetown	352	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

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

NYISO-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

* indicates the metered end of the circuit

PJM-NYISO		
PJM East (Zone P) – NYC (Zone J)		
Name	**Line ID**	**Voltage (kV)**
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West – Central (Zone C)		
*Mainesburg-Watercure	30	345
*Mainesburg- Homer City	47	345
*Homer City - Mainesburg	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)**
*Niagara-Beck	PA301	345
*Niagara-Beck	PA302	345
*Niagara-Beck	PA27	230
Packard-Beck*	BP76	230
West (Zone A) – PJM West		
*Pierce Brook-Five Mile Road	37	345
*Pierce Brook-Homer City	48	345
*Homer City-Pierce Brook	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

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

West Central		
Genesee (Zone B) – Central (Zone C)		
Name	**Line ID**	**Voltage (kV)**
Pannell Rd-Clay*	PC1	345
Pannell Rd-Clay*	PC2	345
*Quaker-Macedon	930	115
*Mortimer-Hook Rd- Elbridge	1/7	115
*Mortimer-Elbridge	2	115
*Pannell-Farmington	4	115
*Quaker-Sleight Rd	13	115
*St. 162 - S. Perry	906	115
Hook Rd (RGE-NGRID)	TB#3	34.5/115
Clyde	TR1	34.5/115
(Farmington 34.5/115kV)	#7	34.5/115
(Farmington 34.5/115kV&12/115 kV)	#4	34.5/115 & 12/115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

* indicates the metered end of the circuit

Appendix F – ANNOTATED TARA OUTPUT

This Section Is Available Electronically If Requested

Appendix G – COMPARSION OF TRANSFER LIMITS WINTER 2023-24 VS. 2022-23

		WINTER 2023-24		WINTER 2022-23		
Interface		**Limit (MW)**	**Contingency**	**Limit (MW)**	**Contingency**	**Delta**
Dysinger East	Normal	2225	3	2625	1	-400
	Emergency	2300	4	2700	2	-400
West Central	Normal	1800	21	-	-	1800
Reverse	Emergency	2475	22	-	-	2475
UPNY - ConEd	Normal	6250	11	6775	5	525
	Emergency	8175	6	6825	6	1350
UPNY - SENY	Normal	4200	12	5150	5	-950
	Emergency	5675	6	5225	6	450
Sprain Brook	Normal	3850	7	3850	7	-
Dunwoodie-South	Emergency	4175	8	4025	8	150
Con Ed - LIPA	Normal	1025	9	350	9	675
	Emergency	1425	16	1050	10	400
Central East	**MSC-7040 FLOW**	**HQ -> NY**	**600 MW**	**HQ -> NY**	**600 MW**	
	Normal	4175	19	2350	13	1825
	Emergency	4775	14	2675	14	2100
	MSC-7040 FLOW		**0 MW**		**0 MW**	
	Normal	4175	19	2350	13	1825
	Emergency	4750	14	2675	14	2075
	MSC-7040 FLOW	**NY -> HQ**	**600 MW**	**NY -> HQ**	**600 MW**	
	Normal	4625	19	2325	13	2300
	Emergency	4775	14	2675	14	2100
Total East [1]	**MSC-7040 FLOW**	**HQ -> NY**	**600 MW**	**HQ -> NY**	**600 MW**	
	Normal	5425	23	3900	15	1525
	Emergency	5900	24	3975	6	1925
	MSC-7040 FLOW		**0 MW**		**0 MW**	
	Normal	5400	23	3950	15	1450
	Emergency	5875	24	4000	6	1875
	MSC-7040 FLOW	**NY -> HQ**	**600 MW**	**NY -> HQ**	**600 MW**	
	Normal	4850	23	3950	15	900
	Emergency	5375	24	4000	6	1375
Moses - South	**MSC-7040 FLOW**	**HQ -> NY**	**600 MW**	**HQ -> NY**	**600 MW**	
	Normal	1000	24	1850	18	-850
	Emergency	1050	25	2700	17	-1650
	MSC-7040 FLOW		**0 MW**		**0 MW**	
	Normal	950	24	1400	20	-450
	Emergency	1000	25	2250	17	-1250
	MSC-7040 FLOW	**NY -> HQ**	**600 MW**	**NY -> HQ**	**600 MW**	
	Normal	425	24	875	20	-450
	Emergency	550	25	1550	17	-1000

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

NYISO WINTER 2023-24 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	@LTE3,4	1745 MW	L/O	Niagara – Dysinger (ND2) 345 kV
(4)	Niagara – Dysinger (ND1) 345 kV	@STE	1793 MW	L/O	Niagara – Dysinger (ND2) 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	Neptune HVDC
(10)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	741 MW		Pre – Contingency Loading
(11)	Ladentown – Buchanan (Y88) 345 kV	@LTE	2015 MW	L/O	Buchanan – Ramapo (Y94) 345kV
(12)	Pleasant Valley – Wood Street (F30) 345 kV	@LTE	2384 MW	L/O	East Fishkill – Wood Street (F38 & F39) 345kV
(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)	Newbridge – Locust Grove (558) 138 kV	@NORM	664 MW		Pre-Contingency Loading
(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)	Gordon Road – Rotterdam (30) 230 kV	@LTE	688 MW	L/O	Gordon Road – Princetown 345 kV (371) Gordon Road (31) 345/230 kV Transformer
(20)	Moses – Adirondack (MA2) 230 kV	@LTE	473 MW	L/O	Chateauguay – Massena (7040) 765 kV Massena – Marcy (MSU1) 765 kV
(21)	Clay – Pannell (1) 345 kV	@LTE	1315 MW	L/O	Clay – Pannell (2) 345 kV Clay – Edic (2-15) 345 kV
(22)	Clay – Pannell (2) 345 kV	@STE	1673 MW	L/O	Pannell – Clay (1)
(23)	Roseton – East Fishkill (RFK305)	@LTE	2772 MW	L/O	Ladentown – Buchanan (Y88) 345 kV Ramapo – Buchanan (Y94) 345 kV

					Buchanan (BKTA5) 345/138 kV Transformer
(24)	Chases Lake – Porter (11) 230 kV	@LTE	564 MW	L/O	Moses – Massena (MMS1 & MMS2) 345 kV
(25)	Chases Lake – Porter (11) 230 kV	@STE	586 MW	L/O	Marcy – Massena (MSU1) 765 MW Massena – Chateaguay (7040) 765 MW

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS

Monitored Element			Base Flow	TRANSFER	DYSINGER-STA255	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR
DYSINGER	345 STATION 255	345 1	60.54	31.54%	TRIP	17.91%	18.75%	20.66%
STOLE230	230 SHLDN230	230 1	5.07	10.40%	3.81%	TRIP	5.06%	5.57%
PALMT115	115 ANDOVER1	115 1	6.45	1.54%	0.92%	10.48%	0.79%	0.87%
LOCKPORT	115 SHEL-113	115 1	44.00	2.38%	2.43%	3.07%	TRIP	14.51%
LOCKPORT	115 NAKR-108	115 1	35.28	0.88%	0.89%	1.13%	3.41%	3.69%
LOCKPORT	115 OAKFLDTP	115 1	36.57	0.98%	1.00%	1.27%	3.82%	4.13%
LOCKPORT	115 SOUR-111	115 1	39.53	2.42%	2.46%	3.12%	13.38%	TRIP
LOCKPORT	115 TELRD114	115 1	54.64	1.12%	1.15%	1.45%	6.02%	5.90%
LOCKPORT	115 TELRD107	115 1	50.95	2.38%	2.42%	3.07%	18.18%	10.96%
DYSINGER	345 STATION 255	345 2	60.54	31.54%	67.96%	18.71%	19.59%	21.59%
SUB-TOTALS				85.19%	83.04%	60.19%	89.00%	87.89%
L33P-L34P			-0.35	3.59%	5.45%	7.84%	3.43%	3.78%
PJM-NYISO			582.94	4.16%	11.47%	31.92%	7.54%	8.31%
TOTALS				92.94%	99.96%	99.95%	99.97%	99.97%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitored Element			Base Flow	TRANSFER	PANNEL-CLAY (1)	PANNEL-CLAY (2)	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH
PANNELL3	345 CLAY	345 1	387.21	31.08%	**TRIP**	-55.38%	11.02%	19.90%	19.39%
PANNELL3	345 CLAY	345 2	388.46	31.18%	-55.46%	**TRIP**	11.05%	19.97%	19.46%
STOLE230	230 SHLDN230	230 1	-5.07	10.40%	-3.29%	-3.30%	**TRIP**	7.75%	2.60%
PANNELLI	115 FRMGTN-4	115 1	-110.23	3.53%	-6.18%	-6.19%	8.05%	**TRIP**	16.78%
S121 B#2	115 SLEIG115	115 1	-52.79	2.79%	-3.87%	-3.88%	1.74%	10.78%	**TRIP**
ANDOVER1	115 PALMT115	115 1	-6.45	1.54%	-0.51%	-0.51%	10.48%	2.38%	0.57%
MORTIMER	115 LAWLER-1	115 1	-54.65	2.56%	-2.58%	-2.58%	1.32%	14.20%	4.21%
QUAKER	115 MACDN115	115 1	-30.31	0.34%	-0.48%	-0.49%	0.37%	3.29%	18.75%
MORTIMER	115 LAWLER-2	115 1	-31.23	2.64%	-2.82%	-2.83%	1.22%	5.84%	4.75%
STA 162	115 S.PER115	115 1	-14.79	0.54%	-1.81%	-1.81%	14.96%	4.27%	1.88%
SUB-TOTALS				**86.61%**	**-77.00%**	**-76.96%**	**60.19%**	**88.37%**	**88.37%**
L33P-L34P			0.50	0.00%	-7.77%	-7.79%	7.30%	2.43%	3.42%
PJM-NYISO			0.00	13.73%	-15.21%	-15.23%	31.92%	9.17%	8.20%
TOTALS				**100.34%**	**99.98%**	**99.98%**	**99.41%**	**99.97%**	**99.98%**

Table-3 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 GORDONRD	345 1	474.70	12.10%	TRIP	11.49%	18.65%	0.19%	2.15%	1.99%
FRASR345	345 GILB 345	345 1	58.34	13.23%	11.57%	TRIP	15.18%	0.25%	2.98%	3.76%
MARCY T1	345 N.SCOT99	345 1	524.66	14.28%	17.49%	14.13%	TRIP	0.23%	2.55%	2.35%
WALDWICK	345 SMAHWAH1	345 1	-28.74	0.17%	1.28%	1.69%	1.62%	TRIP	28.83%	20.88%
COOPC345	345 DOLSON_AVE	345 2	240.00	14.53%	3.70%	16.18%	4.79%	0.41%	4.18%	0.92%
E.SPR115	115 INGHAM-E	115 1	-26.47	0.92%	0.21%	2.51%	-0.09%	0.02%	0.18%	0.18%
W.WDB115	115 W.WDBR69	69.0 1	26.97	0.34%	0.27%	0.99%	0.33%	0.00%	0.02%	0.15%
NE_PV20_NY	115 CUMBERLAND	115 1	106.03	0.00%	1.62%	1.17%	1.90%	0.05%	0.59%	0.56%
Edic	345 Princetown	345 1	522.01	13.71%	25.68%	13.35%	21.55%	0.22%	2.45%	2.25%
Edic	345 Princetown	345 2	521.68	13.70%	25.66%	13.35%	21.53%	0.22%	2.45%	2.25%
INGMS-CD	115 INGHAM-E	115 1	119.93	0.00%	3.43%	0.50%	2.94%	0.03%	0.35%	0.31%
MDTN TAP	345 ROCK TAV	345 1	314.70	12.88%	3.49%	15.11%	4.53%	0.48%	3.56%	1.16%
MDTN TAP	345 SHOEMTAP	138 1	190.36	2.31%	0.29%	1.51%	0.37%	-0.10%	0.87%	-0.34%
WALDWICK	345 SMAHWAH2	345 1	28.72	-0.17%	1.32%	1.66%	1.68%	90.87%	29.44%	21.78%
HCOR138	138 CORPORATE DR	138 1	-32.99	0.00%	0.00%	0.00%	0.00%	0.05%	0.02%	0.01%
SMAHWAH1	345 SMAH138	138 1	-85.54	0.48%	-0.06%	0.06%	-0.07%	-3.46%	-0.75%	-1.21%
SMAH138	138 RAMP138	138 1	-59.02	-0.31%	0.04%	-0.03%	0.05%	2.77%	0.71%	0.83%
CLOSTER	69.0 SPARKILL	69.0 1	-3.65	0.04%	0.01%	0.02%	0.01%	0.04%	0.00%	0.05%
HCOR69	69.0 WNYA69	69.0 1	-10.32	0.09%	0.01%	0.04%	0.01%	0.08%	0.01%	0.09%
MONTVALE	69.0 L491T	69.0 1	-21.09	0.06%	0.01%	0.03%	0.01%	0.12%	0.03%	0.08%
SMAH69	69.0 HILB69	69.0 1	-16.49	-0.37%	-0.01%	-0.12%	-0.01%	0.42%	-0.01%	0.15%
HCOR34	34.5 PEARL34	34.5 1	-1.83	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-0.01%
MONTVALE	69.0 BLUHILL	69.0 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MONTVALE	69.0 BLUHILL	69.0 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SUB-TOTALS				98.37%	96.02%	93.76%	94.98%	92.44%	80.62%	58.05%
RAMAPO 5	500 HOPATCONG	500 1	200.04	0.00%	2.23%	3.07%	2.82%	4.45%	TRIP	23.09%
NEPTCONV	345 NWBRG	345 1	375.53	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COGNTECH	345 G22_VFT345KV	345 1	296.35	0.00%	0.78%	0.93%	0.83%	0.56%	4.76%	19.15%
B3402 PAR1	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS	230 LINDEN	230 1	0.21	0.00%	1.35%	2.53%	1.70%	2.11%	15.10%	TRIP
TOTALS				98.37%	100.38%	100.29%	100.33%	99.56%	100.48%	100.29%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element			Base Flow	TRANSFER	LADNTW-BUCHS	RAMAPO-BUCHN	PLVLLY-E.FISHK	ROSETN-E.FISHK	LINDEN-GOETH
LADENTWN	345 BUCHANAN S	345 1	1251.94	18.08%	TRIP	58.82%	-2.03%	25.40%	32.66%
RAMAPO	345 BUCHANAN N	345 1	854.36	14.99%	45.77%	TRIP	0.12%	14.96%	22.26%
PLTVLLEY	345 E FISHKILL	345 2	560.69	14.96%	-4.06%	0.32%	TRIP	31.10%	2.35%
ROSETON	345 E FISHKILL	345 1	1097.62	10.68%	26.34%	19.94%	16.10%	TRIP	12.63%
FISHKILL	115 SYLVN115	115 1	-183.49	0.82%	1.01%	0.92%	2.66%	5.65%	0.64%
PLTVLLEY	345 E FISHKILL	345 1	92.97	0.86%	0.88%	0.48%	0.02%	0.28%	0.36%
PLTVLLEY	345 MILLWOOD	345 1	560.69	14.96%	-4.06%	0.32%	68.33%	31.10%	2.35%
PLTVLLEY	345 WOOD B	345 1	1074.73	22.65%	20.18%	6.18%	12.08%	-11.70%	5.35%
	SUB_TOTALS			98.00%	86.06%	86.97%	97.29%	96.80%	78.60%
B3402 PAR1	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
GOETHALS	230 LINDEN	230 1	0.07	0.00%	8.11%	7.39%	0.14%	3.50%	TRIP
COGNTECH	345 G22_VFT345KV	345 1	296.35	0.00%	2.48%	2.26%	0.04%	1.07%	19.12%
NRTHPT P	138 NRTHPT1	138 1	100.00	0.00%	1.32%	2.36%	1.68%	-0.55%	2.58%
	TOTALS			98.00%	97.97%	98.99%	99.15%	100.82%	100.31%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element			Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-KMAICA	LKSUC-JMAICA
REAC71	345 MOTT HAVEN	345 3	472.31	29.65%	TRIP	7.23%	24.71%	12.88%	13.09%
SPRAINBROOK	345 TREMONT	345 1	340.04	0.00%	0.41%	TRIP	0.61%	3.34%	3.19%
REACM51	345 W 49 ST	345 1	506.78	20.70%	19.01%	8.28%	TRIP	10.86%	10.00%
V STRM P	138 JAMAICA	138 1	99.91	0.00%	0.84%	3.83%	0.92%	TRIP	40.97%
L SUCSPH	138 JAMAICA	138 1	189.65	0.00%	0.80%	3.44%	0.79%	38.62%	TRIP
SPRAINBROOK	345 ACADEMY	345 1	278.69	0.00%	0.33%	17.90%	0.50%	2.70%	2.57%
DUN NO1R	138 S CREEK W	138 1	114.67	0.00%	0.24%	9.87%	0.20%	1.50%	1.46%
DUN NO2R	138 S CREEK E	138 1	114.87	0.00%	0.31%	12.96%	0.27%	1.97%	1.91%
DUN SO1R	138 E179 ST W	138 1	189.76	0.00%	0.48%	19.88%	0.41%	3.03%	2.93%
REACM52	345 W 49 ST	345 2	506.78	20.70%	19.01%	8.28%	45.54%	10.86%	10.00%
REAC72	345 MOTT HAVEN	345 4	461.22	28.95%	57.06%	7.05%	24.10%	12.56%	12.77%
SUB-TOTALS				100.00%	98.49%	98.71%	98.05%	98.32%	98.91%
B3402 PAR1	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345 MARION	345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
GOETHALS	230 LINDEN	230 1	0.07	0.00%	1.18%	1.01%	1.53%	1.32%	0.86%
COGNTECH	345 G22_VFT345KV	345 1	296.35	0.00%	0.33%	0.28%	0.42%	0.36%	0.24%
TOTALS				100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS

Monitored Element			Base Flow	TRANSFER	MASSEN-MARCY	MOSES-ADRONB1	MOSES-ADRONB2
MASS 765	765 MARCY765	765 1	803.15	77.00%	**TRIP**	31.02%	31.07%
MOSES W	230 ADRON B1	230 1	6.44	7.97%	17.11%	**TRIP**	56.05%
MOSES W	230 ADRON B2	230 1	6.46	8.00%	17.16%	56.12%	**TRIP**
ALCOA-NM	115 BRADY	115 1	20.37	1.14%	2.48%	0.54%	0.54%
ALLENS F	115 COLTON	115 1	-7.40	1.47%	1.01%	0.29%	0.29%
DENNISON	115 ANDRWS-4	115 1	10.79	2.21%	4.77%	1.04%	1.05%
DENNISON	115 LWRNCE-B	115 1	10.26	2.21%	4.77%	1.04%	1.05%
	SUB_TOTALS			**100.00%**	**47.30%**	**90.06%**	**90.04%**
MOSES E	230 ST_LAWR_L33P	230 1	1.10	0.00%	39.05%	7.40%	7.41%
MOSES E	230 ST_LAWR_L34P	230 1	0.00	0.00%	O/S	O/S	O/S
CUMBERLAND	115 NE_PV20_NY	115 1	106.40	0.00%	13.67%	2.57%	2.57%
	TOTALS			**100.00%**	**100.02%**	**100.03%**	**100.03%**

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	ALPS34-BERK	EASTOVER-BEARSWAMP
NE_393_NY	345	ALPS345	345 1	-298.21	37.67%	TRIP	38.77%
NE_E205W_NY	230	EASTOVER RD	230 1	44.85	9.89%	-16.45%	TRIP
NE_PV20_NY	115	CUMBERLAND	115 1	-106.03	0.00%	-6.15%	3.16%
NE_K7_NY	115	WHITEHAL	115 1	0.00	0.00%	-8.54%	7.62%
NE_K6_NY	115	HOOSICK	115 1	-17.27	3.34%	-7.71%	18.22%
NE_398_NY	345	CKTVLLEY	345 1	-50.40	48.17%	-50.25%	26.21%
NE_690_NY	69.0	SMITHFLD	69.0 1	10.50	0.92%	-0.98%	0.54%
NE_601_NY	138	NRTHPT P	138 1	34.30	0.00%	-3.22%	1.78%
NE_602_NY	138	NRTHPT P	138 2	34.30	0.00%	-3.22%	1.77%
NE_603_NY	138	NRTHPT P	138 3	34.30	0.00%	-3.19%	1.76%
			TOTALS		100.00%	99.70%	99.82%

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element		Base Flow	TRANSFER	BECK-NIAG301	BECK-NIAG302	PA27-NIAGAR	BP76-PACKD2	MOSE-STLAWL33
BECK_#2_H301 345 NIAG 345	345 1	16.93	33.39%	TRIP	55.84%	34.13%	32.01%	21.55%
BECK_#2_H302 345 NIAG 345	345 1	16.92	33.39%	55.84%	TRIP	34.13%	32.01%	21.55%
BECK_#2_PA27 230 NIAGAR2W	230 1	11.50	15.83%	20.68%	20.68%	TRIP	29.73%	10.82%
BECK_#2_BP76 230 PACKARD2	230 1	-51.22	17.39%	16.87%	16.87%	25.86%	TRIP	9.72%
ST_LAWR_L33P 230 MOSES E	230 1	-0.19	0.00%	2.46%	2.46%	2.04%	2.11%	TRIP
ST_LAWR_L34P 230 MOSES E	230 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
SUB-TOTALS			100.00%	95.85%	95.85%	96.15%	95.85%	63.63%
ON-MICH		-0.63	0.00%	3.87%	3.87%	3.59%	3.87%	33.40%
TOTALS			100.00%	99.72%	99.72%	99.74%	99.72%	97.03%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	HOPATCONG-RAMPO	LINDEN-GOETH	WALDWK-SMAWA	PIERCE-5MILE	MAIN-WATER	E.TOWD-HILLS	Erie-Ripley
HOPATCONG	500 RAMAPO 5	500	1	279.93	0.00%	TRIP	23.09%	4.45%	9.82%	10.17%	9.06%	7.88%
LINDEN	230 GOETHALS	230	1	104.76	0.00%	15.10%	TRIP	2.11%	4.64%	4.79%	3.59%	3.78%
WALDWICK	345 SMAHWAH2	345	1	133.47	0.04%	28.83%	20.88%	TRIP	5.82%	6.12%	4.65%	4.74%
26PIERCEBRK	345 5MILE345	345	1	173.86	26.50%	3.68%	2.66%	0.34%	TRIP	16.81%	6.21%	31.80%
26MAINESBURG	345 WATRC345	345	1	-0.91	28.44%	4.01%	2.89%	0.37%	17.71%	TRIP	27.14%	8.11%
26E.TWANDA	230 HILSD230	230	1	98.34	20.00%	3.74%	2.27%	0.30%	6.86%	28.45%	TRIP	5.25%
26ERIE E REA	230 S RIPLEY	230	1	113.67	11.34%	1.15%	0.84%	0.11%	12.41%	3.00%	1.85%	TRIP
WALDWICK	345 SMAHWAH1	345	1	91.60	-0.04%	29.44%	21.78%	90.87%	6.19%	6.52%	4.96%	5.04%
26HOMER CY	345 NY_HOMER_WAT	345	Z1	0.00	0.00%	3.19%	2.39%	0.31%	13.07%	-61.77%	10.01%	7.40%
26HOMER CY	345 NY_HOMER_STO	345	Z1	0.00	0.00%	2.33%	1.71%	0.22%	-55.29%	11.62%	0.97%	11.37%
26MAINESBURG	345 NY_MAINESBUR	345	Z1	0.00	0.00%	-3.19%	-2.39%	-0.31%	-13.07%	61.77%	-10.01%	-7.40%
26PIERCEBRK	345 NY_PIERCEBRK	345	Z1	0.00	0.00%	-2.33%	-1.71%	-0.22%	55.29%	-11.62%	-0.97%	-11.37%
NEPTCONV	345 NWBRG	345	1	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
G22_VFT345KV	345 COGNTECH	345	1	0.00	0.00%	4.16%	18.61%	0.58%	1.27%	1.31%	0.99%	1.03%
SMAHWAH1	345 SMAH138	138	1	63.59	0.11%	-0.75%	-1.21%	-3.46%	-0.51%	-0.55%	-0.43%	-0.41%
HCOR138	138 CORPORATE DR	138	1	32.49	0.00%	0.02%	0.01%	0.05%	0.00%	0.00%	0.00%	0.00%
SMAH138	138 RAMP138	138	1	63.74	-0.07%	0.71%	0.83%	2.77%	0.34%	0.36%	0.28%	0.28%
26E.SAYRE	115 N.WAV115	115	1	29.15	6.98%	1.27%	0.78%	0.10%	2.70%	8.25%	24.74%	1.74%
26LAUREL L	115 WESTOVER115	115	1	60.29	6.75%	1.31%	0.80%	0.10%	1.35%	3.31%	9.75%	0.91%
26WARREN	115 FALCONER	115	1	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
CLOSTER	69.0 SPARKILL	69.0	1	3.43	0.01%	0.00%	0.05%	0.04%	0.00%	0.00%	0.00%	0.00%
HCOR69	69.0 WNYA69	69.0	1	9.84	0.02%	0.01%	0.09%	0.08%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69.0 BLUHILL	69.0	1	-1.17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69.0 BLUHILL	69.0	2	-1.17	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69.0 L491T	69.0	1	20.07	0.01%	0.03%	0.08%	0.12%	0.00%	0.00%	0.00%	0.00%
SMAH69	69.0 HILB69	69.0	1	35.97	-0.09%	-0.01%	0.15%	0.42%	0.16%	0.18%	0.14%	0.13%
HCOR34	34.5 PEARL34	34.5	1	1.85	0.00%	0.00%	-0.01%	0.00%	0.00%	0.00%	0.00%	0.00%
MARION	345 B3402 PAR1	345	1	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MARION	345 C3403 PAR2	345	1	0.00	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS					100.00%	92.68%	94.59%	99.32%	68.78%	88.73%	92.92%	92.92%
ON-MICH				-0.63	0.00%	6.85%	10.46%	28.98%	0.58%	6.63%	5.57%	5.57%
TOTALS					100.00%	99.53%	105.04%	128.30%	69.35%	95.36%	98.49%	98.49%