

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

SUMMARY OF NET INTERCHANGE SCHEDULES

TO FROM	NYISO	PJM	IESO	ISONE	NB/NS	Trans Énergie	Cross- Sound	Neptune- HVdc	Linden VFT	HTP	NNC Transfer	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		38	0	83	0	-1310	-330	-375	-315	-319	-100	120	-2508
PJM	-38		0	0	0	0	0	375	315	319	0	-1465	-494
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-83	0	0		-800	-1725	330	0	0	0	100	0	-2178
NB/NS	0	0	0	800		-785	0	0	0	0	0	0	15
Trans Énergie	1310	0	1250	1725	785		0	0	0	0	0	45	5115

APPENDIX A	
SUMMARY OF SUMMER 2021 BASE TRANSFERS	
NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-785
New Brunswick to New England	800
Total Export (+) / Import (-)	15

NEW ENGLAND	
New England to New Brunswick	-800
New England to TransÉnergie: Sandy Pond HVdc	-1500
New England to TransÉnergie: Vermont	-225
New England to New York	-83
New England to NY: Norwalk Harbor-Northport	100
New England to NY: Cross-Sound	330
Total Export (+) / Import (-)	-2178

NEW YORK ISO	
New York to TransÉnergie	-1310
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	-37
New York to PJM: Non-Firm Energy	0
New York to PJM: Linden VFT	-315
New York to PJM: Neptune HVdc	-375
New York to PJM: HTP	-319
New York to MISO: NYPA to AMP- Ohio	120
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-2508

APPENDIX A	
SUMMARY OF SUMMER 2021 BASE TRANSFERS	
IESO (Ontario)	
IESO to TransÉnergie	-1250
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	-1250

PJM	
PJM to New York: NYPA to PA-RECS	-75
PJM to New York: Sithe Allegheny	37
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	375
PJM to New York: Linden VFT	315
PJM to New York: HTP	319
Miscellaneous Transfers to Other Areas	-1465
Total Export (+) / Import (-)	-494

TRANSÉNERGIE	
TransÉnergie to New Brunswick: Madawaska and Eel River HVdc	785
TransÉnergie to New England: Sandy Pond HVdc	1500
TransÉnergie to New England: Vermont	225
TransÉnergie to New York	1310
TransÉnergie to IESO (Ontario)	1250
TransÉnergie to Cornwall	45
Total Export (+) / Import (-)	5115

Appendix B – SUMMER 2021 BASE CASE CONDITIONS

Summer 2021 Conditions

GENERATION FACILITIES (LEVEL OF GENERATION IN CASE)

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

TransÉnergie HVdc CONVERTER SCHEDULES

Chateaugay HVdc	837 MW	In Service
Sandy Pond HVdc	1500 MW	In Service
Highgate HVdc	218 MW	In Service
Madawaska HVdc	301 MW	In Service
Eel River HVdc	299 MW	In Service

AREA LOADS & LOSSES

NYISO	32,327 MW
ISO-NE	25,573 MW
IESO (Ontario)	24,334 MW
PJM	56,082 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)	75 MW	
Ramapo PAR #2 (+ to NY)	75 MW	

East Garden City #1

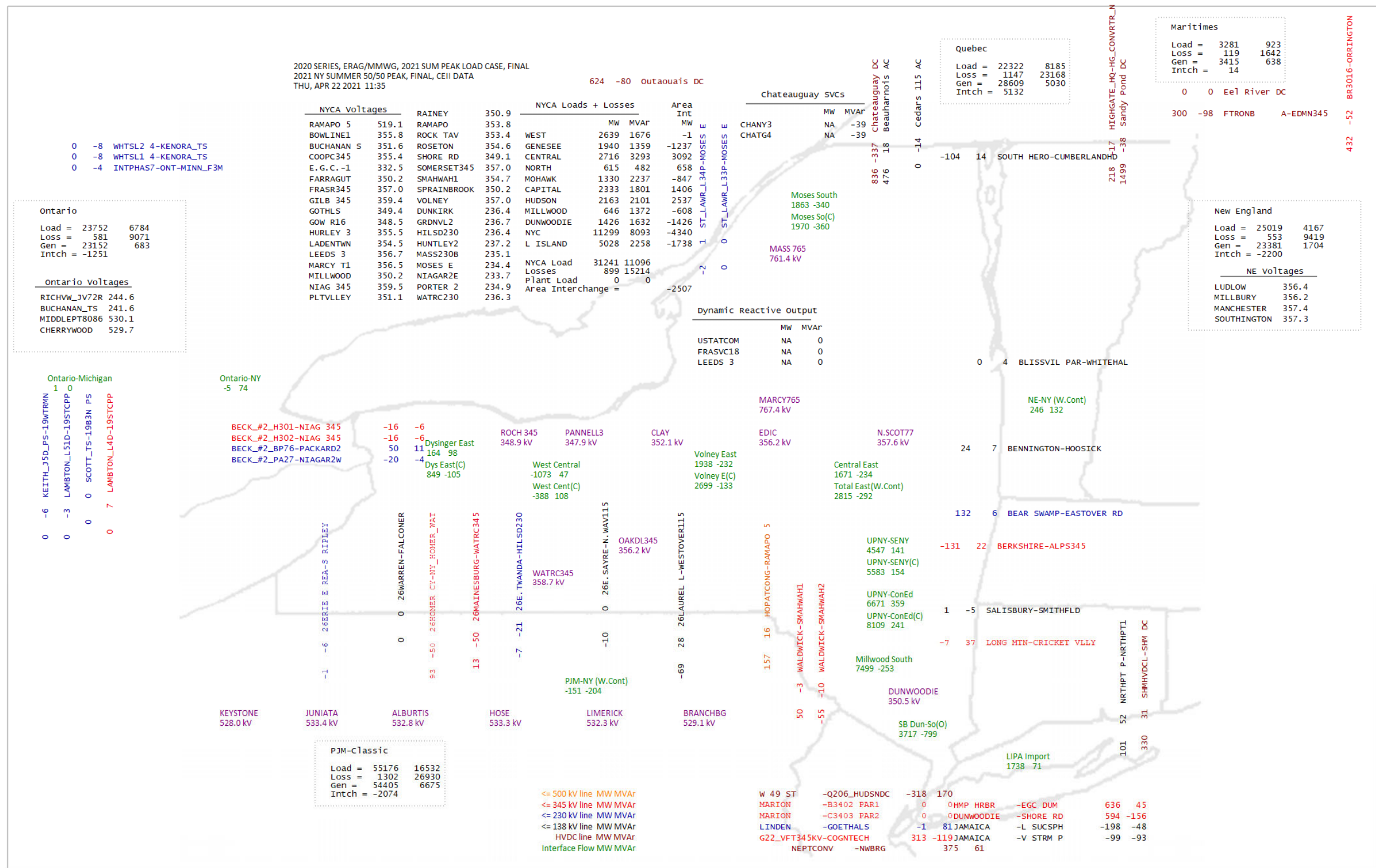
317.5 MW

East Garden City #2

317.5 MW

Appendix C – POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



Appendix D – RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
ACADEMY_138A_138B_PAR1	PAR1	138	251	312	372	325751	150
ACADEMY_138A_138B_PAR8	PAR8	138	251	312	372	325750	150
ACADEMY_345_138_TR1	TR1	345	252	316	364	325753	150
ACADEMY_345_138_TR8	TR8	345	252	316	364	325752	150
ADIRNDCK_230_115_BK 1	BK1	115	115	144	172	26697	79
ADIRNDCK-CHASLAKE_230_13	13	230	440	478	560	325233	113
ADIRNDCK-PORTER__230_12	12	230	440	478	560	25082	136
AKRONVIL-N.AKRON__115_107	107	115	182	197	248	326868	19
ALBANY_-GREENBSH_115_1	1	115	237	293	354	25860	142
ALBANY_-GREENBSH_115_2	2	115	237	293	354	25868	142
ALBANY_-TRINITY__115_5	5	115	198	244	280	25861	145
ALBANY_-TRINITY__115_9	9	115	147	178	258	25872	97
ALCOA_-BRADY__115_13	13	115	128	147	159	25230	18
ALCOA_-DENNISON_115_12	12-AD	115	176	203	223	25227	45
ALCOA_PA-ALCOA__115_R8105	R8105	115	206	247	310	25202	17
ALCOA_PA-GRASRIVR_115_MAL4	MAL4	115	219	255	292	326295	77
ALCOA_PA-GRASRIVR_115_MAL5	MAL5	115	219	255	292	326296	77
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	78	78	90	26481	11
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	97	97	97	26480	10
ANDOVER_-PALMITER_115_157-932	157_932	115	79	101	119	25094	11
ANHRBUSH-LYSANDER_115_13	13	115	182	182	182	326790	80
ANHRBUSH-LYSANDER_115_9	9	115	192	221	245	326803	10
ARCADE_-MACHIAS__115_167	151	115	129	148	160	326168	2
ASH___-TEMPLE__115_9	9	115	207	233	233	26062	4
ASHLEYRD-MASONCR__115_909	909	115	155	179	193	25847	14
ASHLEYRD-PLATSBURG_115_700	700	115	174	193	220	25845	51
ASTANNEX_138A_138B_PAR1	PAR1	138	347	416	464	325848	75
ASTANNEX_345_138_TR1	TR1	345	268	335	393	325847	75
ASTANNEX-ASTORIAE_138_34091	34091	138	236	272	304	325849	75
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	499	741	1476	25134	209
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	499	741	1476	25142	210
ASTENRG2-ASTANNEX_345_G13	G13	345	850	950	1050	325744	59
ASTORIAE-ASTORIA3_138_34123	34123	138	271	311	400	25876	114
ASTORIAE-CORONA__138_34181	34181	138	174	235	368	25277	121
ASTORIAE-CORONA__138_34182	34182	138	174	235	368	25278	117
ASTORIAE-CORONA__138_34183	34183	138	174	235	368	25279	121

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
ASTORIAE-CORONA__138_34184	34184	138	174	235	368	25280	113
ASTORIAE-CORONA__138_34185	34185	138	174	235	368	25281	107
ASTORIAE-CORONA__138_34186	34186	138	174	235	368	25282	109
ASTORIAW_138_13_GT10-13	GT10-13	138	87	122	153	25612	0
ASTORIAW-QUENBRDG_138_28241	28241	138	174	235	368	25315	94
ASTORIAW-QUENBRDG_138_28242	28242	138	174	235	368	25316	97
ASTORIAW-QUENBRDG_138_28243	28243	138	348	469	688	25317	177
ASTORIAW-QUENBRDG_138_28244	28244	138	363	525	688	25318	204
ATHENS_-PLSNTVLY_345_91	91	345	1331	1538	1724	25054	1014
AYERREND-TNWDA206_115_36	36	115	174	177	178	326367	46
AYERREND-TNWDA206_115_37	37	115	171	171	171	326370	46
BABBITSC-LIGHTHSE_115_6	6	115	116	120	145	25506	13
BAGATLRD-PILGRIM__138_564	564	138	444	505	572	325607	84
BAKER_ST-FALCONER_115_160	160-3	115	176	197	239	26513	19
BALLSTON-TAPBLSTN_115_43	43	115	220	252	280	325896	37
BALLSTON-TAPBLSTN_115_44	44	115	220	252	280	325897	29
BARRETT__138A_138B_PAR	B_PAR	138	267	272	326	25590	105
BARRETT_-FREEPORT_138_459	459	138	184	272	326	26425	105
BARTELRD-PINEGROV_115_10	10	115	271	313	359	327250	101
BARTELRD-PINEGROV_115_3	3	115	271	313	359	327235	68
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	5
BATAVIA_-SEBATVIA_115_117	117	115	220	239	239	26017	1
BATH___-MONTRFL_115_965	965	115	124	139	149	26163	26
BATH___-SPENCHIL_115_723	723	115	181	209	231	325797	6
BATNKILL-SCHAGCKT_115_310	310	115	186	214	237	26474	35
BEAR SWP-EASTOVER_230_E205W	E205W	230	440	505	555	25030	133
BECK___-NIAGARA_230_PA27	PA27	230	400	460	558	25025	21
BECK___-NIAGARA_345_PA301	PA301	345	1070	1322	1714	25040	17
BECK___-NIAGARA_345_PA302	PA302	345	1070	1322	1714	25041	17
BECK___-PACKARD_230_BP76	BP76	230	500	587	616	25024	51
BELMONT_-HOPKINS_115_13	13	115	221	256	287	326806	31
BELMONT_-WOODARD_115_4	4	115	156	179	195	326805	65
BENETTRD-E_DUNKRK_115_161	161-3	115	168	185	206	326231	20
BENETTRD-E_DUNKRK_115_162	161-3	115	168	185	206	326233	17
BENNETT_-MORAINE_115_725	725	115	125	152	179	325858	39
BENNETT_-SPENCHIL_115_953	953	115	181	209	231	26164	1
BENSHRST-GREENWD__138_38B13	38B13	138	196	282	458	326271	191
BERKSHIR-ALPS___345_393	393	345	1463	1697	1912	25034	131
BERRY_RD-W.ASHVLE_115_160	160-2	115	193	213	240	26512	13
BETHLHEM-ALBANY__115_18	18-BA	115	329	369	423	26119	78

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
BETHLMRD-ROCKTVRN_115_RD	RD	115	125	144	155	326346	49
BIGTREE_-DAVIS_RD_115_904	904	115	139	163	183	25162	6
BIGTREE_-LANGNERD_115_903	903	115	176	196	225	326050	64
BLACKRVR-CARTHAGE_115_1	1	115	116	120	145	26067	52
BLACKRVR-EWATRTWN_115_5	5	115	116	120	145	325771	20
BLACKRVR-FORTDRUM_115_2	2-BF	115	116	120	145	26068	15
BLACKRVR-GLENPARK_115_3	3	115	128	147	159	325315	47
BLACKRVR-MIDDLERD_115_8	6	115	116	120	145	326703	21
BLISSVIL-WHITEHAL_115_K7	K7	115	187	217	229	25028	0
BLUESTOR-LAFARGE_115_8	8	115	116	120	145	326091	56
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	129	158	192	25505	46
BLUESTOR-PLSTVYCH_115_8	8	115	129	158	192	25498	51
BNNINGTN-HOOSICK_115_K6	K6	115	150	217	239	25029	24
BNVLMUNI-PORTER__115_2	2	115	100	100	100	325778	20
BOONVLE-BNVLMUNI_115_2	2	115	96	96	96	26073	1
BOONVLE-PORTER__115_1	1-BP	115	100	100	100	26074	18
BOONVLE-ROME__115_3	3	115	116	120	145	26071	36
BOONVLE-ROME__115_4	4	115	105	114	134	26072	42
BORDRCTY-GUARDIAN_115_969	969	115	176	179	179	325283	69
BOWLINE_345_138_BK455	BK455	345	506	587	671	25664	193
BOWLINE_-WHAVSTRW_345_67-1	67-1	345	687	747	747	25567	578
BOWLINOR-CONGERS_138_561	561	138	278	318	334	26723	155
BRADY_-NOGDNBRG_115_13	13	115	193	213	240	326348	15
BRIGHAM_-LUDLUM__115_161	161-2	115	168	185	206	26020	34
BRIGHAM_-LUDLUM__115_162	162-1	115	168	185	206	326228	29
BRISTLHL-CLAY__115_4	4	115	105	107	107	25518	39
BRISTLHL-WHITAKER_115_4	4	115	105	114	134	25512	56
BROOK_RD-SMITHBRD_115_2	2	115	232	241	291	325901	28
BROOK_RD-SMITHBRD_115_302	302	115	220	253	280	325902	19
BROOK_RD-TAPBROOK_115_2	2	115	232	241	291	325899	60
BROOK_RD-TAPBROOK_115_302	302	115	220	253	280	325900	36
BROOKHVN_138_69_BK 1	BK 1	138	227	282	318	26548	104
BROOKHVN_138_69_BK 2	BK 2	138	227	282	318	325152	96
BROOKHVN-EDWARDAV_138_864	864	138	276	436	558	25553	122
BROOKHVN-SILLSRD_138_874	874	138	395	481	568	325617	130
BROOKHVN-SILLSRD_138_887	887	138	395	481	568	325619	130
BROOKHVN-WILDWOOD_138_861	861	138	390	474	560	325932	64
BROWNFLS-HIGLEY__115_1	1-BH	115	102	122	135	26078	57
BROWNFLS-TAYLORVL_115_3	3-BT	115	102	120	135	26076	58
BROWNFLS-TAYLORVL_115_4	4-BT	115	102	120	142	26077	58

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
BUCHAN_N_345_138_BK TA5	BK TA5	345	195	272	343	25425	84
BUCHAN_N-BUCHANAN_138_95891	95891	138	225	273	345	25568	84
BUCHAN_N-EASTVIEW_345_W93	W93	345	1722	1894	2404	25133	863
BUCHAN_S-MILLWOOD_345_W97	W97	345	1490	1664	1876	25146	567
BUCHAN_S-MILLWOOD_345_W98	W98	345	1490	1664	1876	25247	567
BUCHANAN-MILLWOOD_138_96951	96951	138	275	302	383	25283	5
BUCHANAN-MILLWOOD_138_96952	96952	138	275	302	383	25284	5
BUFAL129-MAPLE140_115_38	38	115	145	151	185	326159	64
BUFAL129-MAPLE140_115_39	39	115	145	151	185	326160	63
BUFALO54-BUFALO61_115_38	38	115	187	215	236	326155	46
BUFALO54-BUFALO61_115_39	39	115	174	181	226	326156	45
BUFALO61-URBAN154_115_38	38	115	174	181	226	326153	41
BUFALO61-URBAN154_115_39	39	115	174	181	226	326154	40
BUFALO78-HUNTLEY_115_130	130	115	168	181	206	26043	84
BUFALO78-YOUNG214_115_133	133	115	168	185	206	326290	106
BULYMO_-BOONVLE_115_6	6	115	116	120	144	325265	32
BURDECK_-ALTAMONT_115_17	17-BA	115	116	120	145	26151	54
BURDECK_-VORHVSLE_115_19	19-BV	115	116	120	145	26152	46
BURGOYNE-MOHICAN_115_13	13-MW	115	116	120	145	326309	38
BURGOYNE-WHITEHAL_115_6	6	115	107	107	107	326308	20
BURNS__138_69_BK 519	BK 519	138	208	258	284	25889	74
BURNS_-N.HEMPST_138_531	531	138	236	270	285	25878	24
BURNS_-OAKSTRET_138_702	702	138	189	217	226	325812	94
BURNS_-WHAVSTOR_138_541	541	138	236	270	285	25879	100
BUTLER_-MOHICAN_115_18	18	115	116	120	145	26434	20
C_ISLIP_138_69_BK 3	BK 3	138	228	263	302	26519	94
C_ISLIP-RONKOKMA_138_883	883	138	391	476	562	26497	62
CALSPAN_-DEPEW__115_54-921	54-921	115	129	182	239	326276	50
CALSPAN_-NBRDWYNG_115_181-922	181-922	115	139	163	181	326951	82
CANAL__138_69_BK5	BK 5	138	240	275	437	327369	109
CANAL_-RIVRHEAD_138_910	910	138	219	249	285	325242	109
CANANDGA-STONYRDG_230_68	68	230	498	534	566	25176	30
CARMEL_-UNIONVAL_115_991	991	115	215	227	239	26155	72
CARMEL_-WOODSTNY_115_900	900	115	210	227	261	326880	54
CARMEL_-WOODSTNY_115_992	992	115	215	246	269	325278	53
CARR_ST_-DEWITT__115_15	15-CD	115	187	213	236	26093	4
CARR_ST_-SALCARBM_115_6	6	115	187	213	236	325216	63
CARRSCRN-SALAMANC_115_153	153	115	128	147	159	326163	20
CARRSCRN-SALAMANC_115_154	154	115	128	147	159	326165	23
CASTLEGD-FULLRHLW_115_937	937	115	249	287	319	325222	10

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
CATON__-HILLSIDE_115_960	960	115	120	120	120	325290	37
CAVANARD-PORTER__115_7	7	115	116	120	145	325214	55
CEDAR__-BURGOYNE_115_6	6	115	116	120	145	26516	36
CEDARS__-ROSEMNTA_115_1/11	1/11	115	176	203	223	26083	0
CEDARS__-ROSEMNTB_115_2/22	2/22	115	176	203	223	26082	0
CENTERST-MAPLEAVE_115_22	22	115	128	132	132	327076	0
CENTERST-STONER__115_9	9	115	128	147	159	327078	19
CHADWICK-E.WALDEN_115_DW	DW-3	115	176	194	221	26218	68
CHADWICK-WBALMVLE_115_DW	DW-2	115	176	194	221	26217	54
CHASLAKE-PORTER__230_11	11	230	440	505	516	25051	143
CHAT_TAP-LYON_MTN_115_1(911)	911	115	135	159	175	325704	14
CHATEAUG-CHAT_TAP_115_911	911	115	38	39	41	325705	4
CHATGUAY-MASSENA__765_7040	7040	765	3975	4839	5300	25301	1308
CHEMUNG_-NWAVERLY_115_962	962	115	150	180	196	325289	32
CHESTROR-SUGRLOAF_138_271	271	138	236	270	285	325424	61
CHRCHTWN-BLUESTOR_115_13-987	13-987	115	176	179	179	26685	58
CHRCHTWN-CRARYVIL_115_984	984	115	113	144	173	26500	24
CHRCHTWN-FALLSPRK_115_11-731	13	115	186	214	237	326939	82
CHURCH_S-ROTTDAM_115_10	10-AR	115	116	120	131	26428	25
CHURCH_S-ROTTDAM_115_12	12	115	116	120	127	327080	21
CLAY___345_115_BK 1	BK 1	345	455	606	794	25387	250
CLAY___345_115_BK 2	BK 2	345	478	637	794	25421	250
CLAY___-BARTELRD_115_10	10	115	271	313	318	25520	101
CLAY___-BARTELRD_115_3	3	115	220	252	280	25519	79
CLAY___-COLAMCRS_115_5	5	115	219	252	280	25522	49
CLAY___-DEWITT__345_13	13	345	1109	1344	1529	25168	523
CLAY___-EDIC___345_1-16	CE1-16	345	1301	1501	1685	25200	278
CLAY___-EDIC___345_2-15	CE2-15	345	1301	1501	1685	25169	279
CLAY___-EUCLID__115_11	11	115	220	252	280	25516	105
CLAY___-EUCLID__115_17	17	115	220	252	280	25515	110
CLAY___-INDPDNCE_345_26	26	345	1670	1931	2210	25858	998
CLAY___-WETZEL__115_14	14-CG	115	220	252	280	25517	86
CLEARWTR-ANHRBUSH_115_9	9	115	192	221	245	326798	96
CLINTON_-IMC_TAP__115_15	15-CI	115	116	120	145	26128	13
CLRKSCRN_345_115_BK1	BK1	345	235	255	295	325724	89
CLRKSCRN_345_115_BK2	BK2	345	235	255	295	325725	89
CLRKSCRN-OAKDALE__345_36	36	345	1207	1327	1590	325726	662
CLYDE___115_34_TR1	TR1	115	125	143	154	25221	21
CLYDE___-STATE_ST_115_3-971	971	115	125	143	154	68810	38
COBBLENM-COBBLENY_115_BK 1	BK 1	115	40	41	45	25426	12

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
COBBLENM-SPRINGVL_115_151	151	115	129	148	160	326166	12
COBBLENM-SPRINGVL_115_152	152	115	129	148	160	326170	4
CODNIGTN-E.ITHACA_115_981	981-1	115	108	128	143	25730	33
CODNIGTN-ETNA__115_998	998	115	227	257	283	25734	37
COFFEEN_-EWATRTRWN_115_5	5	115	119	119	119	325769	26
COFFEEN_-GLENPARK_115_3	3-CG	115	119	119	119	26069	51
COLAMCRS-DUGUID__115_5	5	115	220	252	280	326819	41
COLDENHM-ROCKTVRN_115_J	J	115	232	257	304	26420	5
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	12
COLLIERS-RICHFELD_115_929	929	115	125	152	215	26169	5
COLTON_-FLATROCK_115_2	2-CF	115	114	123	142	26088	59
COLTON_-HIGLEY__115_1	1-HC	115	128	147	156	26087	58
COLTON_-LITTLRIV_115_7	7	115	63	63	63	26086	1
COLTON_-TOWNLIN_115_9	9	115	109	109	109	325641	19
COMSTKNM-BURGOYNE_115_13	13-MW	115	116	120	145	26484	37
CONGERS_-SNKEHLRD_138_563	563	138	317	363	383	25887	114
COOPERNY-FERNDAL_115_950	950	115	176	179	179	26171	57
COOPERNY-ROCKHILL_115_957	957	115	144	160	173	325614	38
COOPERS_345_115_BK 2	BK 2	345	220	261	300	25433	72
COOPERS_345_115_BK 3	BK 3	345	220	261	300	25434	73
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	540
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1464	1793	1793	25110	822
CORNING_-MCADOO__115_4	4	115	128	147	159	326380	11
CORONA__138A_138B_BK R1	B_BK R1	138	181	253	319	25621	45
CORONA__138A_138C_BK R2	C_BK R2	138	181	253	319	25622	45
CORONA_-JAMAICA_138_18001	18001	138	143	212	357	25285	45
CORONA_-JAMAICA_138_18002	18002	138	143	212	357	25286	45
CORONA_-RAINEY__138_36187	36187	138	296	374	521	326894	0
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	62
CORTLAND-LABDELFE_115_3	3	115	125	143	154	325248	18
CORTLAND-TULLERHL_115_1-716	1	115	128	147	159	25059	16
CORTLAND-TULLYCTR_115_18	18	115	176	211	239	26089	50
CRICKVLY-PLSNTVLY_345_F83	F83	345	1135	1313	1596	326887	470
CRICKVLY-PLSNTVLY_345_F84	F84	345	1260	1893	2091	326888	611
CROUSEHD-HOPKINS_115_13	13	115	220	252	280	326783	18
CURRY_RD-LINE8TAP_115_8	8	115	116	120	145	26254	30
CURTIS_-LYSANDER_115_13	13	115	182	182	182	326782	79
CURTPALM-EJWEST__115_9	9	115	128	147	159	326146	3
DALEROAD-GARDNVLB_115_39	39	115	168	181	206	26036	34
DANSKAMR-CHADWICK_115_DW	DW-1	115	217	250	279	26219	122

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
DANSKAMR-MARLBORO_115_DB	DB	115	183	215	237	26221	0
DANSKAMR-NCHELSEA_115_AC	AC	115	183	211	295	25829	132
DANSKAMR-NCHELSEA_115_DC	DC	115	178	199	295	25830	138
DANSKAMR-RYNDSDR_115_DR	DR	115	183	248	279	25831	98
DAVIS_RD-STOLLERD_115_927	927	115	203	226	239	26172	19
DEBALSO_-WALESVIL_115_3	3	115	128	147	159	326704	19
DEKALB_-BATTHILL_115_4	4	115	76	87	94	326398	17
DELEMTER-LAKEVIEU_115_141	141	115	88	101	108	325873	14
DELEMTER-LAKEVIEU_115_142	142	115	88	101	108	325880	26
DELHI_-DELHI_TP_115_951	951	115	164	164	164	26174	81
DELHI_-GR.GORGE_115_916	916	115	90	90	90	26479	12
DELHI_-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	19
DELHI_TP-COLLIERS_115_951	951-2	115	239	239	239	26203	50
DENNISON-LAWRNCV_115_5	5	115	220	252	280	25226	22
DENNISON-NORFOLK_115_4	4	115	220	252	280	25225	23
DENNISON-ROSEMNTA_115_1/11	1-RD	115	220	252	280	25523	1
DENNISON-ROSEMNTB_115_2/22	2-RD	115	193	213	240	25524	0
DEPEW_NG-ERIE_ST_115_54-921	54-921	115	124	138	158	26010	37
DEPEW_TP-DEPEW___115_BK 1	BK 1	115	108	120	120	25428	13
DEWITT__345_115_BK 2	BK 2	345	517	658	794	25418	233
DEWITT_-BUTERNUT_115_4	4	115	193	213	240	26094	45
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1704	1852	2195	326310	1201
DUGUID_-DEWITT__115_5	5	115	193	213	240	326736	22
DULEY_-PATNODE_230_PND-1	PND-1	230	397	476	504	325856	38
DULEY_-PLATSBRG_230_DP-1	DP-1	230	249	277	318	25272	0
DUNKIRK_230_115_BK 31	BK 31	230	139	197	248	25386	56
DUNKIRK_230_115_BK 41	BK 41	230	133	190	248	25430	56
DUNKIRK_-BERRY_RD_115_160	160-1	115	193	213	239	26025	33
DUNKIRK_-BRIGHAM_115_161	161-1	115	168	181	206	26021	38
DUNKIRK_-BRIGHAM_115_162	162-1	115	168	181	206	26027	29
DUNKIRK_-SILVRCK_115_141	141	115	88	101	108	26026	2
DUNKIRK_-SILVRCK_115_142	142	115	88	101	108	26018	1
DUNWODIE_138_138_BK N1	BK N1	138	315	375	433	25624	116
DUNWODIE_138_138_BK N2	BK N2	138	194	293	400	25623	116
DUNWODIE_138_138_BK S1	BK S1	138	345	491	600	25626	180
DUNWODIE-DUNWOODN_345_W74	W74	345	411	494	554	326212	299
DUNWODIE-DUNWOODS_345_W73	W73	345	310	387	424	326211	262
DUNWODIE-E179THST_138_99153	99153	138	233	348	617	25287	180
DUNWODIE-MOTTHAVN_345_71	71	345	707	833	1298	25151	564
DUNWODIE-MOTTHAVN_345_72	72	345	707	833	1298	25191	550

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
DUNWODIE-SHERMCRK_138_99031	99031	138	139	187	303	25193	115
DUNWODIE-SHERMCRK_138_99032	99032	138	189	288	393	25239	116
DUNWODIE-SHORE_RD_345_Y50	Y50	345	656	916	1614	25091	595
DUNWOODN_345_138_BK N1	BK N1	345	411	494	554	25209	299
DUNWOODS_345_138_BK S1	BK S1	345	310	387	424	25208	262
DUNWOODS-DUNWOODN_138_99997	99997	138	205	255	311	25532	2
E.ITHACA-ETNA___115_981	981	115	108	128	143	25733	73
E.SAYRE_-NWAVERLY_115_956	956	115	108	128	143	25013	11
E.TWANDA-HILLSIDE_230_70	70	230	489	549	630	25014	7
E.WALDEN_115_69_TR_3	TR_3	115	52	69	81	26681	19
E.WALDEN-COLDENHM_115_CW	CW	115	232	257	304	26225	23
E.WALDEN-MODENA__115_EM	EM	115	232	257	304	25832	1
E.WALDEN-ROCKTVRN_115_D	D	115	233	265	312	26226	11
E_DUNKRK-LAONA__115_161	161	115	88	101	108	326232	5
E_DUNKRK-LAONA__115_162	162	115	88	101	108	326234	6
E13THSA_E13THSA_138_37371	37371	138	296	485	571	325707	100
E13THSTA_138_69_TR 9	BK 9	138	147	188	235	26488	0
E13THSTA_138_69_TR2	BK 2	138	153	201	222	326976	111
E13THSTA_138_69_TR4	BK 4	138	153	212	261	326977	111
E13THSTA_138_69_TR6	BK 6	138	145	187	246	326978	113
E13THSTA_138_69_TR8	BK 8	138	151	201	222	326979	113
E13THSTA_345_138_BK 10	BK 10	138	273	288	315	25467	110
E13THSTA_345_138_BK 11	BK 11	138	273	288	315	25468	118
E13THSTA_345_138_BK 12	BK 12	138	274	312	343	25463	124
E13THSTA_345_138_BK 13	BK 13	138	258	320	368	25464	116
E13THSTA_345_138_BK 14	BK 14	138	251	280	305	25465	123
E13THSTA_345_138_BK 15	BK 15	138	273	288	315	25466	129
E13THSTA_345_138_BK 16	BK 16	138	270	304	338	25469	122
E13THSTA-EASTRIVR_138_37041	37041	138	148	242	432	326190	10
E13THSTA-EASTRIVR_138_37042	37042	138	148	242	432	326191	0
E13THSTA-EASTRIVR_138_37043	37043	138	148	242	432	326192	10
E13THSTA-EASTRIVR_138_37044	37044	138	148	242	432	326193	10
E13THSTA-EASTRIVR_69_44372	44372	138	116	146	198	326195	0
E13THSTA-FARRAGUT_345_45	45	345	745	913	1339	25190	15
E13THSTA-FARRAGUT_345_46	46	345	760	927	1350	25251	7
E13THSTA-FARRAGUT_345_48	48	345	554	740	1150	25252	18
E13THSTA-FARRAGUT_345_B47	B47	345	358	645	1011	25177	12
E179THST-HELLGATE_138_15055	15055	138	210	301	384	25288	153
E179THST-HELLGT_E_138_15053	15053	138	165	229	364	25289	32
E179THST-HELLGT_E_138_15054	15054	138	165	229	364	25290	32

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
E179THST-PARKCHTR_138_38X01	38X01	138	169	288	501	25327	22
E179THST-PARKCHTR_138_38X02	38X02	138	169	288	501	25328	22
E179THST-PARKCHTR_138_38X03	38X03	138	169	288	501	25329	3
E179THST-PARKCHTR_138_38X04	38X04	138	169	288	501	25330	3
EASTOVER_230_115_BK1	TR 1	230	381	494	666	326097	61
EASTRIVR_138_69_BK 111	BK 111	138	76	108	159	25526	10
EASTRIVR_138_69_BK 112	BK 112	138	76	108	159	25527	0
EASTRIVR_138_69_BK 113	BK 113	138	76	108	159	25528	10
EASTRIVR_138_69_BK 114	BK 114	138	76	108	159	25529	10
EASTVIEW_345_138_BK 1N	BK 1N	138	370	424	424	25472	190
EASTVIEW_345_138_BK 1S	BK 1S	138	370	424	424	25373	176
EASTVIEW_345_138_BK 2N	BK 2N	138	370	424	424	25471	168
EASTVIEW_345_138_BK 2S	BK 2S	138	370	424	424	25470	173
EASTVIEW-SPRNBK_345_W64	W64	345	2296	2658	3202	25143	693
EASTVIEW-SPRNBK_345_W65	W65	345	1720	2215	2657	25144	858
EASTVIEW-SPRNBK_345_W78	W78	345	2296	2658	3202	25346	819
EASTVIEW-SPRNBK_345_W79	W79	345	1720	2215	2657	25153	816
EBATAVIA-NO.LEROY_115_119	119	115	139	160	173	26012	11
ECWABALP-FRNKYONG_115_181-922	181-922	115	174	181	226	326871	106
ECWABALP-FRNKYONG_115_182	182	115	174	181	226	326872	91
EDIC___345_115_BK4	BK 4E	345	505	629	794	25454	151
EDIC___345_230_BK2	BK 2E	230	479	562	683	25422	136
EDIC___-FRASER___345_EF24-40	EF24-40	345	1793	1793	1793	25112	810
EDIC___-N.SCTLND_345_14	14	345	1331	1538	1724	25170	578
EDIC_PTR_230_115_BK 1P	BK 1P	230	269	320	338	25389	69
EDIC_PTR_230_115_BK 2P	BK 2P	230	269	320	338	25423	69
EDIC_PTR_345_115_BK 3E	BK 3E	345	455	539	679	25424	151
EDWARDAV-RIVRHEAD_138_893	893	138	259	299	335	325654	97
EELPOTRD-MEYER___115_724	724	115	112	131	143	325288	2
EFISHKIL_345_115_BK 1	BK 1	345	412	497	530	25724	61
EFISHKIL-WOOD_ST_345_F38	F38	345	1839	2520	3202	25367	1112
EFISHKIL-WOOD_ST_345_F39	F39	345	1839	2520	3202	25368	1201
EGRDNCTY_138_69_BK 1	BK 1	138	227	263	302	26652	118
EGRDNCTY_345_138_AT1	BK 1	345	428	513	641	25551	317
EGRDNCTY_345_138_AT2	BK 2	345	428	513	641	25552	317
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	428	599	787	25678	317
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	428	599	787	25679	317
EGRDNCTY-CARLPLCE_138_361	361	138	254	294	328	25533	41
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	637	900	1329	325158	635
EGRDNCTY-NEWBRDGE_138_462	462	138	201	279	489	25303	57

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
EGRDNCTY-NEWBRDGE_138_463	463	138	170	285	348	25304	57
EGRDNCTY-NEWBRDGE_138_465	465	138	197	291	352	25535	67
EGRDNCTY-ROSLYN__138_362	362	138	228	265	291	25534	4
EJWEST_-SCOFLLDRD_115_9	9	115	193	213	240	326147	45
EKINGSTN-RHINEBCK_115_ER	ER	115	175	193	220	26222	29
ELBRIDGE_345_115_BK 1	BK 1	345	470	557	717	25448	332
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	116	120	145	26097	14
ELBRIDGE-GRS_LOCK_115_3	3	115	143	143	143	26098	18
ELBRIDGE-HYATT__115_10-979	15-EH	115	129	148	160	25109	74
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1517	1912	25149	566
ELBRIDGE-LAKELAND_115_4	4	115	156	179	195	325316	45
ELBRIDGE-MILTON_C_115_18	18-EM	115	129	136	136	26095	14
ELBRIDGE-STATE_ST_115_5-972	5-972	115	251	296	321	25107	118
ELBRIDGE-STATE_ST_115_6-710	6-710	115	238	249	287	326377	87
ELM_ST_-SENECA__230_71	71	230	223	254	262	26426	19
ELM_ST_-SENECA__230_72	72	230	223	254	262	26427	20
ELWOOD__138_69_BK 3	BK3	138	108	133	156	26540	55
ENDICOTT-RANGEHL_115_920	920	115	149	149	149	26158	21
ENDICOTT-ROBBLEAV_115_948	948	115	249	254	254	26159	52
ENORWICH-CYLINE__115_918	918	115	108	120	120	325280	35
ENORWICH-JENNISON_115_946	946	115	80	110	131	25729	33
EPULASKI-LIGHTHSE_115_2	2	115	97	97	97	327228	27
ERIE E_-S.RIPLEY_230_69	69	230	368	368	368	25016	1
ERIE_ST_-PAVMNTRD_115_926	926	115	215	240	275	26175	1
ETNA__-CLRKSCRN_115_715	715	115	242	255	295	325728	95
ETNA__-CLRKSCRN_115_947	947	115	242	255	295	325727	95
ETNA__-WILLET__115_945	945-2	115	125	147	159	25731	59
EUCLID_-HOPKINS__115_11	11	115	220	252	280	326784	87
EUCLID_-WOODARD__115_17	17	115	220	252	280	326785	93
EVERETRD-MENANDS__115_10	10	115	182	197	239	326642	108
EVERETRD-MENANDS__115_15	15	115	182	197	239	326643	40
FAGEDARY-CENTERST_115_9	9	115	128	147	159	327077	33
FAIRFIEL-INGHAM_C_115_3	3	115	116	120	145	26106	57
FAIRPORT-ELBRIDGE_115_2	2	115	145	151	185	26099	44
FAIRPORT-HOOK_TAP_115_1	1	115	145	151	157	26327	16
FALCONER-SOUTHADOW_115_153	153	115	129	148	160	26033	13
FALCONER-SOUTHADOW_115_154	154	115	129	148	160	26032	5
FARMGTN__115_12_BK 3	BK 3	115	23	29	44	325380	5
FARMGTN__115_34_BK 1	BK 1	115	56	68	99	70259	43
FARMGTN__115_34_BK 2	BK 2	115	56	64	84	70258	21

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
FARMGTN_-BORDRCTY_115_4-977	977	115	150	177	193	25057	43
FARMGTN_-HAMLTNNM_115_7-983	7-983	115	109	109	109	26101	65
FARRAGUT_345A_138A_BK 1Y	BK 1Y	138	188	210	237	325083	187
FARRAGUT_345A_138A_BK 2X	BK 2X	138	120	141	150	325084	89
FARRAGUT_345A_138A_BK 2Y	BK 2Y	138	189	238	258	325085	0
FARRAGUT_345A_138A_BK 3X	BK 3X	138	104	136	148	325086	92
FARRAGUT_345A_138A_BK 3Y	BK 3Y	138	189	233	256	325087	189
FARRAGUT_345A_138A_BK 4X	BK 4X	138	106	122	131	325088	91
FARRAGUT_345A_138A_BK 4Y	BK 4Y	138	189	215	231	325089	188
FARRAGUT_345A_138A_BK 5X	BK 5X	138	109	115	119	25635	86
FARRAGUT_345A_138A_BK 5Y	BK 5Y	138	189	203	211	325081	63
FARRAGUT_345A_138A_BK 6X	BK 6X	138	104	141	149	325090	90
FARRAGUT_345A_138A_BK 6Y	BK 6Y	138	189	234	258	325091	188
FARRAGUT_345A_138C_BK 9X	BK 9X	345	110	155	195	25636	4
FARRAGUT_345A_138D_BK 10X	BK 10X	345	110	155	195	25637	96
FARRAGUT_345B_345A_TR11	TR11	345	497	705	930	25044	0
FARRAGUT_345C_345A_TR12	TR12	345	503	699	930	25043	0
FARRAGUT-FARRAGUT_138_38B11	38B11	138	189	203	211	326542	63
FARRAGUT-GOWANUS_345_41	41	345	636	834	1303	25141	496
FARRAGUT-GOWANUS_345_42	42	345	636	834	1303	25140	496
FARRAGUT-HUDS_AVE_138_32077	32077	138	102	136	148	25291	0
FARRAGUT-HUDS_AVE_138_32711	32711	138	108	144	159	25293	4
FARRAGUT-PLYMTHST_138_32072	32072	138	120	141	150	326588	89
FARRAGUT-PLYMTHST_138_32076	32076	138	123	148	157	326589	90
FARRAGUT-PLYMTHST_138_32078	32078	138	108	144	157	25292	6
FARRAGUT-WATERSTR_138_32073	32073	138	104	136	148	326582	92
FARRAGUT-WATERSTR_138_32074	32074	138	106	122	131	326583	91
FARRAGUT-WATERSTR_138_32075	32075	138	109	115	119	326584	86
FENERWND-WHITMAN_115_8	8	115	176	211	239	326865	27
FERNDALE-WWDBURNY_115_959	959	115	90	90	90	26180	22
FEURABSH-GREENBSH_115_17	17	115	176	197	248	25862	60
FEURABSH-NCATSKLL_115_2	2-FN	115	116	120	145	25067	85
FISHKPLN-EFISHKIL_115_HF	HF	115	233	253	333	26227	26
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	203	226	239	25066	140
FITZPTRK-EDIC___345_FE-1	FE-1	345	1434	1434	1661	25077	643
FIVE_MIL-VALLEY44_115_152	152	115	129	148	160	326174	17
FIVE_MIL-VALLEY44_115_167	167	115	129	148	160	326173	17
FIVEMILE_345_115_BK1	TR1	345	538	597	597	326175	76
FIVEMILE-STOLLERD_345_29	29	345	639	769	840	326176	93
FLATROCK-BROWNFLS_115_2	2-FBF	115	102	122	135	26079	57

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
FLATSTR_-EELPOTRD_115_722	722	115	112	131	143	325287	18
FORGEBRK-MERTPARK_115_WF	WF	115	176	211	240	26229	65
FORTDRUM-N.CARTHG_115_2	2-DT	115	102	120	142	26090	15
FOXHILLS-WILLWBRK_138_29211	29211-1	138	182	262	439	25771	139
FOXHILLS-WILLWBRK_138_29212	29212-1	138	182	262	439	25772	125
FRASANNX-COOPERS_345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	867
FRASER__345_115_BK 2	BK 2	345	305	386	420	25391	132
FRASER_-COOPERS_345_33	33	345	1494	1721	1793	25236	641
FRASER_-GILBOA__345_GF5-35	GF5-35	345	1428	1605	1793	25060	14
FRASERNY-DELHI_TP_115_951	951-3	115	239	239	239	26202	131
FREEMPORT-NEWBRDGE_138_461	461	138	223	289	339	25155	166
FRESHKLS_138_33_T22E	T22E	138	111	152	186	327069	56
FRESHKLS_138C_138A_R1_21191	21191	138	309	371	407	25639	200
FRESHKLS_138C_138B_R2_21192	21192	138	279	366	400	25640	200
FRESHKLS_345_138_TA 1	TA 1	138	309	371	407	25457	200
FRESHKLS_345_138_TB 1	TB 1	138	314	376	415	25458	200
FRNKYONG-CALSPAN_115_181-922	181-922	115	139	163	181	326277	84
FRNKYONG-WALDENNG_115_182	182	115	168	181	206	326279	66
FRONT_ST-ROSA_RD_115_11	11	115	200	239	239	26274	67
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	76	76	76	25502	27
FULLRHWL-MORGANRD_115_937	937	115	239	239	239	325223	2
GARDNVLA-GIRDLERD_115_705	705	115	215	239	239	25116	31
GARDNVLA-LANGNERD_115_903	903	115	217	227	239	325284	85
GARDNVLA-STOLLERD_230_66	66	230	474	574	665	25180	188
GARDNVLB_230_115_BK 3	BK 3	230	141	182	250	25416	57
GARDNVLB_230_115_TR 2	BK 2	230	348	444	666	25385	86
GARDNVLB_230_115_TR 4	BK 4	230	347	444	462	25417	85
GARDNVLB-BETHWEST_115_149	149	115	200	217	260	325317	18
GARDNVLB-BETHWEST_115_150	150	115	200	217	260	325318	0
GARDNVLB-CLVRBANK_115_141	141	115	88	101	108	26038	33
GARDNVLB-CLVRBANK_115_142	142	115	88	101	108	26037	33
GARDNVLB-COBBLENM_115_151	151	115	187	215	232	26040	12
GARDNVLB-COBBLENM_115_152	152-1	115	187	215	236	26023	15
GARDNVLB-DUNKIRK_230_73	73	230	556	584	601	25166	57
GARDNVLB-DUNKIRK_230_74	74	230	505	505	505	25197	57
GARDNVLB-GARDNVLA_115_T1012	T1012	115	320	343	365	25085	5
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	663	739	773	25089	3
GE_R_D_-GROOMS__115_20_15	20_15	115	200	217	260	26266	10
GELCKHM_-WETZEL__115_14	14-CG	115	220	252	280	326189	69
GETZVL60-AYERREND_115_36	36	115	174	181	226	26049	22

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
GETZVL60-AYERREND_115_37	37	115	174	181	226	26048	22
GILBOA_-LEEDS___345_GL3	GL3	345	1428	1605	1971	25219	523
GILBOA_-N.SCTLND_345_GNS-1	GNS-1	345	1428	1605	1866	25052	58
GINNA_-PANNELRG_115_912	912	115	227	251	264	25260	39
GINNA_-S124___115_913	913	115	218	228	261	26281	150
GINNA_-STA_135_115_909	909	115	226	249	269	325837	73
GINNA_-STA_135_115_937	937	115	226	249	269	325838	73
GINNA_-STA_204_115_908	908-1	115	252	302	355	26282	83
GINNA_-STA_204_115_911	911	115	251	300	354	26283	160
GIRDLERD-STOLLERD_115_706	706	115	203	226	239	325161	3
GLDNBRGD-CROTONFL_115_991	991	115	215	247	275	326416	13
GLENWDGT-ROSLYN__138_364	364	138	250	308	339	25556	45
GLENWOOD_138_69_BK 5	BK 5	138	112	138	156	25735	83
GLENWOOD_138_69_BK 6	BK 6	138	112	138	156	70637	81
GLENWOOD-CARLPLCE_138_363	363	138	250	307	339	25554	33
GLENWOOD-GLENWDGT_138_366	366	138	247	304	335	25555	47
GOETHALS_345A_345B_BK 1N	BK 1N	345	688	843	1056	25641	1
GOETHALS-FRESHKLS_345_21	21	345	919	1006	1286	25138	23
GOETHALS-FRESHKLS_345_22	22	345	981	1390	1602	25137	23
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	397
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	397
GOETHSLN_345/230_BK 1	BK 1	345	528	727	817	25642	1
GOLAH_-MORTIMER_115_110	110	115	116	120	145	26034	86
GOUDEY_-ROBBLEAV_115_940	940	115	238	277	305	325166	37
GOUVNEUR-BATTHILL_115_8	8-GBH	115	76	87	94	26066	36
GOWANUS_138A_138B_PAR R14	PAR R14	138	248	335	421	25794	140
GOWANUS_138A_138B_PAR R2	PAR R2	138	344	436	600	25793	140
GOWANUS_345_138_BK T14	BK T14	138	248	335	421	25475	140
GOWANUS_345_138_BK T2	BK T2	138	344	436	600	25476	140
GOWANUS_-GOETHALS_345_25	25	345	492	702	1211	25139	373
GOWANUS_-GOETHALS_345_26	26	345	492	702	1211	25571	0
GOWANUS_-GREENWD_138_42231	42231	138	254	372	516	25214	140
GOWANUS_-GREENWD_138_42232	42232	138	237	289	338	25215	140
GOWANUSA-GREENWD_138_42G24	42G24	138	288	439	574	26007	120
GOWANUSC-GREENWD_138_42G13	42G13	138	286	404	574	26006	246
GOWANUSN_345KV_REA_R41_REACTR	R41_REA	345	687	896	1315	26001	496
GOWANUSS_345KV_REA_R42_REACTR	R42_REA	345	687	896	1315	26003	496
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	125	152	193	26478	7
GREENBSH-FT_ORAN_115_15	15	115	186	188	188	26130	41
GREENBSH-REGENRON_115_4	4	115	232	241	291	325649	0

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
GREENBSH-STEPHTWN_115_993	993	115	116	120	145	26447	0
GREENDGE-FLATSTR_115_968	968	115	108	128	143	26185	34
GREENDGE-MONTRFL_115_967	967	115	108	128	143	26184	31
GREENDGE-MONTRFL_115_970	970	115	124	139	159	26183	38
GREENLWN_138_69_BK5	BK5	138	108	133	156	26655	41
GREENLWN-ELWOOD__138_673	673	138	364	479	566	25546	141
GREENLWN-SYOSSET__138_676	676	138	245	352	562	25548	38
GREENWD_-FOXHILLS_138_29231	29231	138	174	235	368	25321	40
GREENWD_-FOXHILLS_138_29232	29232	138	174	235	368	25322	58
GRISLD64-NIAGB130_115_182	182	115	174	181	226	26014	106
GRNEMPFM-TEALLAVE_115_2	2-OT	115	116	120	145	327074	36
GROOMS_-JOHNSON__115_13-14	13	115	220	252	280	26267	85
GRS_LOCK-GELCKHM__115_8	8	115	156	179	195	26103	61
GRS_LOCK-HARRISRD_115_16	16-GT	115	116	120	145	26102	35
GRS_LOCK-SORELHIL_115_9	9	115	142	151	169	326801	69
GUARDIAN-HALEYRD__115_969	969	115	176	179	179	26167	63
HAGUE_RD-TICONDRG_115_2	2	115	62	62	62	326738	33
HAGUE_RD-TICONDRG_115_4	4	115	62	62	62	326739	10
HALEYRD_-GREENDGE_115_969	969	115	176	179	179	325294	37
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	155	167	169	26096	76
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	30	37	56	25394	10
HAMRHILL-INDK-OSW_115_6	6	115	114	120	142	26114	41
HANAWAFL-COLTON__115_5	5	115	182	197	248	326185	18
HANCOCK_-HAZEL__115_955	955-1	115	102	113	120	26187	0
HARRISRD-TILDEN__115_16	16-GT	115	116	120	145	326815	8
HARSNRAD-ROBNSNRD_115_907	907	115	215	247	275	26162	22
HAUPPAUG-C._ISLIP_138_889	889	138	200	277	353	25681	61
HAZEL_-FERNDALE_115_955	955-2	115	102	113	120	26181	10
HDSNBRDG-DEWITT__115_10	10	115	265	320	368	325260	64
HDSNBRDG-DEWITT__115_7	7	115	265	320	368	325261	51
HELLGT_E-ASTORIAE_138_34051	34051	138	174	235	368	25323	32
HELLGT_E-ASTORIAE_138_34052	34052	138	174	235	368	25324	32
HELLGT_W_138_13_BRU_3	BRU_3	138	81	113	143	25777	74
HELLGT_W-ASTORIAW_138_24051	24051	138	160	250	436	25210	58
HELLGT_W-ASTORIAW_138_24052	24052	138	160	250	436	25211	59
HELLGT_W-ASTORIAW_138_24053	24053	138	140	186	186	25212	135
HELLGT_W-ASTORIAW_138_24054	24054	138	140	186	186	25213	134
HELLGT_W-ASTORIAW_138_24056	24056	138	158	253	258	26461	58
HELLTP_W-HELLGT_W_138_15055L	15055L	138	210	301	384	25573	153
HELLTP_W-HELLGT_W_138_15055M	15055M	138	210	301	384	26729	153

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
HICKLING-CATON__115_958	958	115	120	120	120	26189	18
HICKLING-YAWGERRD_115_964	964	115	125	134	148	26188	24
HILLBURN_138_69_BK 317	BK 317	138	182	230	285	26330	54
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	54
HILLSIDE-CHEMUNG__115_962	962	115	161	177	199	25726	34
HILLSIDE-WATRCURE_230_69	69	230	550	637	657	25181	209
HINMAN_-HARSNRAD_115_908	908	115	238	287	306	26161	138
HISHELDN-STONCREK_230_81	81	230	417	479	533	325622	5
HOLBROOK_138_69_BK 1	BK 1	138	227	263	302	69378	109
HOLBROOK_138_69_BK 2	BK 2	138	99	122	136	69376	50
HOLBROOK-NSHORBCH_138_884	884	138	328	380	435	25341	2
HOLBROOK-SILLSRD__138_872	872	138	440	487	594	25340	13
HOLBROOK-WEST BUS_138_888	888	138	495	543	622	25542	245
HOLTSVLE-UNIONAVE_138_818	818	138	181	231	264	25584	0
HOLTSVLE-WEST BUS_138_876	876	138	396	482	569	325974	216
HOLTSVLE-WEST BUS_138_877	877	138	482	528	605	325909	216
HOMER C_-HOMR_NYW_345_48	48	345	1287	1534	1622	326213	191
HOMER_HL-FIVE_MIL_115_169	169	115	221	256	287	26452	21
HOMER_HL-FIVE_MIL_115_170	170	115	221	256	287	26022	21
HOMER_HL-NILE__115_157	157-1	115	88	101	108	26041	17
HOMR_NYW-PIERC_NY_345_48	48	345	1287	1534	1622	326214	191
HOMRC_NY-MAINS_NY_345_47	47	345	1207	1404	1703	326121	94
HOOK_TAP-FARMGTN__115_7-983	7-983	115	145	151	163	26100	41
HOOK_TAP-HOOK_RD__115_BK3	BK3	115	60	60	60	26503	57
HOPATCON-RAMAPO__500_5018	5018	500	999	1301	1713	25019	158
HOPKINS_-TEALLAVE_115_11	11	115	221	239	239	26105	71
HUDS_AVE-JAMAICA__138_701	701	138	147	221	360	25294	123
HUDS_AVE-JAMAICA__138_702	702	138	147	221	360	25295	123
HUDS_AVE-WATERSTR_138_32077T	32077T	138	196	247	323	326577	96
HUDSON_-PLSTVYCH_115_12	12-HP	115	129	158	159	25499	53
HUDSON_-VALKIN__115_15	15	115	186	214	237	26514	87
HUDSONP_-FARRAGUT_345_B3402	B3402	345	432	614	801	25020	0
HUDSONTP-W49TH_ST_345_Y56	Y56	345	9999	9999	9999	325893	319
HUNTLEY_-ELM_ST__230_70	70	230	432	477	491	25855	60
HUNTLEY_-PEROXYCM_115_39	39	115	168	181	206	26044	70
HUNTLEY_-SAWYER__230_79	79	230	566	654	755	25127	205
HUNTLEY_-SAWYER__230_80	80	230	566	654	755	25128	254
HUNTLEY_-SWETH224_115_37	37	115	148	148	148	26045	3
HUNTLEY_-TWOMLCRK_115_38	38	115	145	151	185	26047	72
HUNTLEY_-YOUNG214_115_36	36	115	168	176	176	26046	3

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
HURLYAVE_115_69_TR 3	TR 3	115	95	122	156	25837	28
HURLYAVE_345/115_BK 1	BK 1	345	419	481	488	25419	170
HURLYAVE-LINCNPRK_115_HP	HP	115	198	230	260	25833	77
HURLYAVE-ROSETON_345_303	303	345	1396	1623	1870	25218	536
HURLYAVE-STURGNPL_115_HS	HS	115	169	186	191	25834	47
HYATT__115_34_BK 1	BK 1	115	54	67	100	70329	18
HYATT__-BORDRCTY_115_10-979	979	115	129	143	143	25106	55
IMC_TAP_-MECO__115_15-IM	15-IM	115	125	143	154	26132	25
INDCORTH-SPIERFLS_115_18	18	115	278	321	368	26149	130
INDK-OSW-EPULASKI_115_2	2	115	97	97	97	25503	41
INDN_PT3-BUCHAN_S_345_W96	W96	345	1574	1762	1991	25570	0
INDPDNCE_345_18_TB 5	MT 5	345	215	235	255	68303	165
INDPDNCE_345_18_TB 6	MT 6	345	215	235	255	68304	165
INDPDNCE-SCRIBA__345_25	25	345	1670	1931	2210	25859	39
INGHAM_C_115_115_PAR 2	PAR 2	115	167	197	239	25242	120
INGHAM_C-INGHAM_E_115_R81	R81	115	182	197	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7	115	80	106	124	25061	21
INGHAM_E-FAGEDARY_115_9	9	115	105	114	134	25863	38
INGHAM_E-IMC_TAP__115_15	15-II	115	105	114	134	25871	38
INGHAM_E-STJHNVLE_115_6	6-IS	115	86	90	107	26133	36
JAMAICA_-LAKSUCSS_138_903	903	138	240	328	428	25090	199
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	268	358	441	25048	100
JENNISON_115_46_BK 1A	BK 1A	115	52	52	53	69462	16
JENNISON-HANCOCK__115_954	954	115	102	113	120	26186	29
JENNISON-KATTLVLE_115_943	943	115	110	139	159	25898	56
JENNISON-SIDNEYRR_115_949	949	115	80	110	120	26173	23
JOHNSON_-MAPLEWOD_115_12	12	115	220	239	239	26268	105
KATONAH_-AMAWALK__115_995	995	115	215	247	275	325279	29
KATONAH_-GLDNBRGD_115_991	991	115	215	249	275	26157	19
KENTAVE_-GREENWD__138_31232	31231-2	138	174	226	247	25299	74
KINGS__-WEST BUS_138_881	881	138	490	537	615	326911	26
KINTIGH_-STA_255_345_SH1-39	SH1-39	345	1301	1501	1685	327246	10
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	198	226	260	26240	4
KNAPPCRN-SPACKILL_115_SK	SK	115	198	226	260	325777	21
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	1
LABDELFE-FENERWND_115_3	3	115	125	143	154	326864	22
LADENTWN-BOWLINE__345_68	68	345	687	747	747	25249	374
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1703	1894	2404	25185	1133
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1720	2215	2657	25248	324
LAFAYTTE-CLRKSCRN_345_4-46	Apr-46	345	1207	1327	1479	25049	843

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
LAFAYTTE-DEWITT__345_22	22	345	1164	1164	1164	25174	289
LAKELAND-BELMONT__115_4	4	115	156	179	195	326804	52
LAKEVIEU-CLVRBANK_115_142	142	115	88	101	108	325881	26
LAKSUCSS_138_69_BK 5	BK 5	138	227	263	302	26603	125
LAKSUCSS_138_69_BK 6	BK 6	138	227	263	302	325098	114
LAKSUCSS_138A_138B_PAR	B_PAR	138	297	356	427	25593	200
LANGDON_-NORTHSDE_115_936	936	115	176	196	225	26160	52
LAONA__-MOONROAD_115_172	172	115	88	101	108	326591	9
LAONA__-MOONROAD_115_173	173	115	88	101	108	326592	9
LASHERRD-SWAGRTWN_115_1	1	115	402	467	478	327086	157
LASHERRD-TAPBLSTN_115_43	43	115	402	467	478	327083	12
LAUREL L-GOUDEY__115_952	952	115	108	128	143	25012	71
LAWRNCAV-HANAWAFL_115_5	5	115	220	252	280	26085	14
LAWRNCAV-SUGARISL_115_4	4	115	220	252	280	326186	11
LEEDS__-ATHENS__345_95	95	345	1331	1538	1724	25789	81
LEEDS__-HURLYAVE_345_301	301	345	1396	1623	1870	25055	706
LEEDS__-PLSNTVLY_345_92	92	345	1331	1538	1724	25056	1016
LIGHTHSE-EWATRWN_115_5	5	115	116	120	145	25504	18
LIGHTHSE-MALLORY__115_7	7-CL	115	108	108	108	25521	39
LINCNPBK-EKINGSTN_115_LR	LR	115	194	214	240	26223	41
LINDEN_-GOETHALS_230_A2253	A2253	230	541	715	845	25017	1
LINDN_CG-LNDVFT__345_V-3022	V-3022	345	325	415	436	325657	314
LINE8TAP-WOLF_RD__115_8	8	115	116	120	145	326641	61
LITTLRIV-COLTON__115_8	8	115	76	87	94	25514	0
LITTLRIV-PYRITES__115_7	7	115	74	74	74	326402	15
LNGRD209-GARDNVLB_115_180	180	115	160	166	206	326282	100
LNGRD209-GRISLD64_115_182	182	115	200	208	265	326283	127
LOCKPORT-HINMAN__115_100	100	115	220	252	280	25087	101
LOCKPORT-N.AKRON__115_108	108	115	130	136	165	25266	31
LOCKPORT-OAKFIELD_115_112	112	115	131	144	158	25300	31
LOCKPORT-SHELBY76_115_113	113	115	143	165	180	25263	16
LOCKPORT-TELGRAPH_115_107	107	115	220	252	280	25265	46
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	11
LOCKPORT-TELGRAPH_115_114	114-1	115	143	165	180	25264	22
LOCUSTGR-NEWBRDGE_138_558	558	138	323	476	580	25158	160
LONG_MTN-CRICKVLY_345_398	398	345	1260	1786	2091	25033	8
ONGLANE-LAFARGE__115_6	6	115	116	120	145	25864	77
LOVETT__138_69_BK 147	BK 147	138	106	118	123	26331	30
LOVETT_-BOWLINOR_138_56	56	138	234	267	281	25877	37
LOVETT_-STONYPNT_138_54	54	138	220	244	268	25885	10

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
LOWVILLE-KRAFTFOD_115_5	5	115	105	114	134	26075	37
LUDLUM_-BENETTRD_115_161	161-3	115	168	185	206	326230	30
LUDLUM_-BENETTRD_115_162	162-2	115	168	185	206	326229	27
LUTHERFT-MALTA___115_43	43	115	197	256	287	325889	37
LUTHERFT-MALTA___115_44	44	115	197	256	287	325890	4
LUTHERFT-MULBRYNM_115_3	3	115	254	294	333	26477	38
LUTHERFT-MULBRYNM_115_308	308	115	254	294	318	325742	53
LYON_MTN-KNTFSRNC_115_1(911)	911	115	125	151	175	26205	14
LYSANDER-SORELHIL_115_13	13	115	192	221	245	326799	50
MACHIAS_-VALLEY44_115_152	152	115	129	148	158	326172	10
MACHIAS_-VALLEY44_115_167	151	115	124	138	158	326169	17
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	13
MALLORY_-WETZEL___115_7	7-CL	115	155	155	155	326206	17
MALONE_-NICHVLVE_115_3	3-NM	115	129	182	199	25585	27
MALONE_-WILLIS___115_1-910	1-MW	115	129	159	173	25586	54
MALTA___TAPBLSTN_115_43	43	115	220	252	280	325891	0
MALTA___TAPBLSTN_115_44	44	115	220	252	280	325892	12
MANCHSTR-SPACKILL_115_MC	MC	115	198	230	260	325776	50
MAPLE140-BUFALO54_115_38	38	115	174	181	226	326157	50
MAPLE140-BUFALO54_115_39	39	115	174	181	226	326158	49
MAPLEAVE-CHURCH_S_115_10	10	115	128	147	148	26120	0
MAPLEWOD-WTRVLARS_115_19	19	115	129	182	239	25870	60
MAPLEWOD-WTRVLARS_115_31	31	115	129	176	224	25844	83
MARCY___765_345_AT2	BK 2	765	1675	2010	2384	25456	736
MARCY___765_345_BK 1	BK 1	765	1488	1650	1756	25455	847
MARCY___EDIC___345_UE1-7	UE1-7	345	1864	2079	2384	25229	649
MARCY___FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	897
MARCY___N.SCTLND_345_18	18	345	1488	1650	1971	25276	636
MARION_-FARRAGUT_345_C3403	C3403	345	414	589	767	25038	0
MARSHVLE-CLINTON___115_12	12	115	125	143	154	325267	2
MASSENA_765_230_AT1	BK 1	765	936	1197	1872	25665	143
MASSENA_765_230_AT2	BK 2	765	936	1197	1872	25666	143
MASSENA_-MARCY___765_MSU1	MSU1	765	5115	5300	5300	25224	1582
MCADOO_-DEKALB___115_4	4	115	76	87	89	26064	14
MCADOO_-LITTLRIV_115_8	8	115	76	87	94	326404	0
MCADOO_-MCINTYRE_115_8	8	115	128	147	159	326410	0
MCINTYRE-CORNING___115_6	6	115	128	136	137	26108	6
MCINTYRE-OGDNSBRG_115_2	2	115	55	55	55	326406	13
MCKNOWNV-NEWKRMKL_115_8	8	115	258	321	368	26499	134
MECO___-CENTERST_115_22	22	115	125	130	130	327075	0

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
MENANDS_-REYNOLDS_115_2	2-MR	115	217	250	280	26135	138
MENANDS_-RIVERSDE_115_3	3-MR	115	250	303	368	26134	136
MENANDS_-WTRVLARS_115_19	19	115	128	147	159	326246	63
MERTPARK-WICCOPEE_115_WP	WP	115	194	214	240	325772	37
MEYER__-CANANDGA_230_60	60	230	483	556	634	325604	17
MEYER__-MORAIN_115_966	966	115	125	152	191	26166	51
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	636	26468	299
MIDDLERD-BABBITSC_115_6	6	115	116	120	145	326735	8
MIDDLETP_345_138_BK114	BK114	345	506	587	671	26465	300
MIDDLETP-ROCKTVRN_345_CCRT-34	MTR-34	345	1704	1852	2362	26464	515
MILAN__-PLSTVYCH_115_10	10	115	129	158	192	26433	14
MILAN__-RHINEBCK_115_MR	MR	115	175	193	220	26242	1
MILLERPL-HOLBROOK_138_885	885	138	386	470	555	26691	14
MILLIKEN-ETNA___115_974	974	115	185	224	255	26177	22
MILLIKEN-ETNA___115_975	975	115	185	224	255	26178	23
MILLWOOD_345_138_TA1	TA1	138	216	307	346	25530	54
MILLWOOD_345_138_TA2	TA2	138	205	297	321	25531	59
MILLWOOD-EASTVIEW_345_W82	W82	345	2296	2658	3202	25147	1048
MILLWOOD-EASTVIEW_345_W85	W85	345	2296	2658	3202	25258	992
MILLWOOD-EASTVIEW_345_W99	W99	345	2296	2658	3202	25255	992
MILTON_C-GRS_LOCK_115_18	18-MG	115	129	148	160	26104	28
MILTR210-SUMMIT97_115_129	129	115	239	274	278	326288	108
MILTR210-SUMMIT97_115_130	129	115	239	298	298	326291	119
MNTNDALE-WWDBURNY_115_957	957	115	108	120	120	325616	26
MODENA__115_69_BK1	BK1	115	33	41	53	26325	1
MODENA__-OHIOVLE_115_PX	PX	115	232	257	304	25835	13
MOHANSIC_115_13_BK2	BK2	115	23	24	26	26482	11
MOHANSIC_115_13_BK4	BK4	115	23	24	26	26483	10
MOHICAN_-BATNKILL_115_15	15	115	221	256	287	26122	28
MOHICAN_-SCHAGCKT_115_309	309	115	186	214	237	26687	32
MONSEY_-BURNS___138_601	601	138	425	451	475	325608	93
MONTRFL_-CODNIGTN_115_982	982	115	108	128	144	25728	21
MONTRFL_-RIDGE_RD_115_963	963-2	115	108	127	133	26196	22
MONTRFL_-RIDGE_RD_115_978	978-2	115	108	128	145	26197	19
MOONROAD-FALCONER_115_175	175	115	88	101	108	26030	9
MOONROAD-FALCONER_115_176	176	115	88	101	108	26031	9
MORGANRD-LANGDON_115_936	936	115	203	226	239	325224	19
MORTIMER-FAIRPORT_115_1	1	115	129	151	163	25163	42
MORTIMER-FAIRPORT_115_2	2	115	129	144	158	25240	6
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	9

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
MORTIMER-STA_56__115_24	24-1	115	129	148	160	25096	52
MORTIMER-STA_89__115_25	25	115	114	123	142	25095	54
MOSES__230_115_AT1	BK 1	230	401	490	646	25411	17
MOSES__230_115_AT2	BK 2	230	401	490	646	25451	0
MOSES__230_115_AT3	BK 3	230	192	240	288	25452	7
MOSES__230_115_AT4	BK 4	230	479	589	690	25453	17
MOSES__-ADIRNDCK_230_MA1	MA1	230	348	386	440	25269	173
MOSES__-ADIRNDCK_230_MA2	MA2	230	348	386	440	25270	0
MOSES__-ALCOA_PA_115_MAL6	MAL6	115	219	255	292	25581	80
MOSES__-GRASRIVR_115_MAL4	MAL4	115	238	275	310	25582	82
MOSES__-GRASRIVR_115_MAL5	MAL5	115	238	275	310	25583	82
MOSES__-MASSENA_230_MMS1	MMS1	230	936	1197	1371	25274	143
MOSES__-MASSENA_230_MMS2	MMS2	230	936	1197	1394	25275	143
MOSES__-MED-ENGS_115_MRG1	MRG1	115	174	193	220	26328	83
MOSES__-MED-ENGS_115_MRG2	MRG2	115	174	193	220	26335	71
MOSES__-REYNLDPA_115_MR3	MR3	115	153	153	153	26332	67
MOSES__-WILLIS__230_MW1	MW1	230	349	386	440	25188	46
MOSES__-WILLIS__230_MW2	MW2	230	349	386	440	25271	46
MOTTHAVN_345_138_TR6	TR6	345	457	558	603	325428	84
MOTTHAVN_345_138_TR7	TR7	345	457	558	603	325426	84
MOTTHAVN_345_138_TR8	TR8	345	457	558	603	325427	84
MOTTHAVN_345_138_TR9	TR9	345	457	558	603	325429	84
MOTTHAVN-RAINEY__345_Q11	Q11	345	707	833	1298	325430	400
MOTTHAVN-RAINEY__345_Q12	Q12	345	707	833	1298	325431	375
MOUNTAIN-SWANROAD_115_103	103	115	176	211	240	26054	79
MOUNTAIN-SWANROAD_115_104	104	115	176	211	240	26053	0
MULBRYNM-EASTOVER_115_308	308	115	186	214	237	26475	80
MUMFRD50-GOLAH__115_119	119	115	129	160	173	326560	25
N_SALEM-BATNKILL_115_989	989	115	40	50	57	26448	5
N.AKRON_-BATAVIA_115_107	107	115	159	159	159	25124	15
N.AKRON_-BATAVIA_115_108	108	115	125	136	154	25125	15
N.CARTHG-TAYLORVL_115_8	8	115	102	120	142	26431	5
N.END__115_46_BK 1	BK 1	115	61	61	69	25849	24
N.END__-ASHLEYRD_115_702	702	115	287	333	388	25846	65
N.END__-PLATSBRG_115_701	701	115	217	239	239	25848	157
N.HEMPST-WHAVSTOR_138_530	530	138	236	270	285	26506	94
N.SCTLND_345_115_BK 1	BK 1	345	458	570	731	25445	70
N.SCTLND_345_115_BK 2	BK 2	345	510	690	794	25460	66
N.SCTLND-ALBANY__115_8	8-NA	115	278	321	368	25496	20
N.SCTLND-ALPS__345_2	2	345	1204	1326	1685	25217	192

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
N.SCTLND-ALTAMONT_115_20	20-NV	115	116	120	145	25492	71
N.SCTLND-BETHLHEM_115_4	4-NB	115	254	266	266	25497	6
N.SCTLND-FEURABSH_115_3	3-NF	115	254	292	333	25495	77
N.SCTLND-LEEDS__345_93	93	345	1331	1538	1724	25171	655
N.SCTLND-LEEDS__345_94	94	345	1331	1538	1724	25203	651
N.SCTLND-OWENSCRN_115_7	7	115	116	120	145	25491	15
N.SCTLND-OWENSCRN_115_9	9	115	116	120	145	25490	14
N.SCTLND-ROTTRDAM_115_13	13-NR	115	241	265	333	25494	104
N.SCTLND-VORHVSLE_115_19	19-NV	115	116	120	145	25493	62
N.TROY_-EASTOVER_115_306	308	115	186	214	237	326095	34
N.TROY_-EASTOVER_115_307	10	115	182	197	237	326096	30
N.TROY_-HOOSICK__115_5	5-NHF	115	200	232	232	26131	4
N.TROY_-REYNOLDS_115_16	16-NR	115	182	197	237	26139	80
N.TROY_-WYNTKLNM_115_14-988	14-NW	115	176	211	237	26137	79
NANGOLA_-DELEMTER_115_141	141	115	88	101	108	325872	14
NANGOLA_-DELEMTER_115_142	142	115	88	101	108	325879	9
NANGOLA_-SILVRCRK_115_141	141	115	88	101	108	325871	3
NANGOLA_-SILVRCRK_115_142	142	115	88	101	108	325878	1
NANOTECH-MCKNOWNV_115_2	2	115	258	321	368	326637	110
NBRDWYNG-ERIE_ST__115_181-922	181-922	115	124	139	159	26011	40
NCATSKLL_115_69_TR 4	TR 4	115	68	74	85	25839	21
NCATSKLL_115_69_TR 5	TR 5	115	111	129	186	25818	21
NCATSKLL-MILAN__115_T7	T7	115	129	183	199	26243	17
NCHELSEA_115_69_BK TR1	BK TR1	115	41	44	51	25836	14
NCHELSEA-FISHKPLN_115_NF	NF	115	183	248	279	26228	91
NCHELSEA-FORGE BRK_115_FO	FO	115	176	211	240	26230	102
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	375
NEWBRDGE_138_69_BK 6	BK 6	138	114	141	159	26604	72
NEWBRDGE_138_69_BK 7	BK 7	138	114	141	159	26605	76
NEWBRDGE_345_138_BK_1	BK 1	345	377	469	562	325301	0
NEWBRDGE_345_138_BK_2	BK 2	345	385	469	562	325302	376
NEWBRDGE-BAGATLRD_138_563	563	138	370	523	599	25536	55
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	376
NEWBRDGE-EGRDNCTY_138_467	467	138	251	389	619	325378	54
NEWBRDGE-RULAND__138_561	561	138	236	274	302	25305	37
NEWBRDGE-RULAND__138_562	562	138	234	272	300	25306	37
NEWBRDGE-RULAND__138_567	567	138	240	320	353	325379	39
NEWKRMKL-ALBANY__115_7	7	115	275	303	354	325257	152
NIAGARA_230_115_AT1	BK T1	230	240	299	479	25409	73
NIAGARA_230_115_AT2	BK T2	230	239	298	366	25410	8

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
NIAGARA_345_230_AT3	BK 3	345	376	470	564	25408	15
NIAGARA_345_230_AT4	BK 4	345	751	924	1082	25449	28
NIAGARA_345_230_AT5	BK 5	345	376	470	564	25450	15
NIAGARA_-KINTIGH_345_NS1-38	NS1-38	345	1301	1501	1685	25074	10
NIAGARA_-LNGRD209_115_180	180	115	200	208	265	25104	113
NIAGARA_-MOUNTAIN_115_120	120	115	176	211	258	25135	79
NIAGARA_-MOUNTAIN_115_121	121	115	40	40	40	326182	10
NIAGARA_-MOUNTAIN_115_122	122	115	40	40	40	326183	10
NIAGARA_-PACKARD_115_191	191	115	273	301	352	25075	143
NIAGARA_-PACKARD_115_192	192	115	273	301	352	25099	164
NIAGARA_-PACKARD_115_193	193	115	273	301	352	25100	121
NIAGARA_-PACKARD_115_194	194	115	273	301	352	25101	121
NIAGARA_-PACKARD_115_195	195	115	331	359	424	25102	140
NIAGARA_-PACKARD_230_61	61	230	626	727	846	25186	332
NIAGARA_-PACKARD_230_62	62	230	626	717	846	25220	325
NIAGARA_-ROBNSNRD_230_64	64	230	496	550	657	25088	227
NIAGARA_-SANBORN_115_101	101	115	273	301	352	326180	76
NIAGARA_-SANBORN_115_102	102	115	273	301	352	25103	75
NIAGARA_-STA_255_345_NH2	NH2	345	1301	1501	1685	327247	15
NIAGB130-ECWABALP_115_181-922	181-922	115	174	181	226	26057	107
NIAGB130-ECWABALP_115_182	182	115	174	181	226	326278	91
NICHLVLE-PARISHVL_115_3	3-PN	115	128	147	159	26110	24
NILE__-ANDOVER_115_157	157-2	115	105	114	134	26016	8
NINEMILE-CLAY__345_8	8	345	1032	1271	1416	25167	798
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	27
NINEMILE-SCRIBA__345_9	9	345	1032	1284	1562	25359	185
NO.LEROY-MUMFRD50_115_119	119	115	129	160	173	326559	25
NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	15
NORFOLK_-LAWRNCALV_115_4	4	115	220	252	280	326397	19
NRTH1385-NOR HBR_138_601	601	138	147	182	409	325597	34
NRTH1385-NOR HBR_138_602	602	138	147	182	409	325598	34
NRTH1385-NOR HBR_138_603	603	138	147	182	409	325599	34
NRTH1385-NRTHPORT_138_NNC	1385	138	436	518	532	25035	101
NRTHPORT_138_138_PS2	138_PS2	138	386	470	555	25599	155
NRTHPORT_138N_138E_PAR 1	E_PAR 1	138	447	531	546	25598	101
NRTHPORT-ELWOOD__138_678	678	138	356	535	613	25543	161
NRTHPORT-ELWOOD__138_681	681	138	358	539	617	25544	167
NRTHPORT-PILGRIM_138_672	672	138	188	288	349	25307	148
NRTHPORT-PILGRIM_138_677	677	138	377	531	608	25308	296
NRTHPORT-PILGRIM_138_679	679	138	382	531	608	25309	296

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
OAKDALE_230_115_BK 1	BK 1	230	275	400	440	25400	1
OAKDALE_345_115_BK 2	BK 2	345	491	587	600	25401	240
OAKDALE_-DELHI__115_919	919	115	161	177	179	25897	6
OAKDALE_-ENDICOTT_115_938	938	115	161	177	225	26198	115
OAKDALE_-FRASER__345_32	32	345	1255	1518	1793	25235	15
OAKDALE_-GOUDEY__115_939	939	115	238	274	306	26182	138
OAKDALE_-KATTLVLE_115_943	943	115	139	163	192	26201	70
OAKDALE_-NORTHSDE_115_944	944	115	185	224	239	26199	103
OAKFIELD-BATAVIA__115_112-2	112-2	115	128	136	159	25126	20
OAKSTRET-CORPDIV_138_704	704	138	230	270	285	326882	93
OAKWD232-LOCKPORT_115_36	36	115	199	199	199	326369	67
OAKWD232-LOCKPORT_115_37	37	115	199	199	199	326372	68
OAKWOOD_-ELWOOD__138_674	674	138	364	479	566	25545	90
OAKWOOD_-SYOSSET__138_675	675	138	245	352	562	25547	32
OHIOVLE-HIGHLAND_115_OR	OR	115	182	197	240	26247	7
ONEIDA_-GRNEMPFM_115_2	2-OT	115	116	120	145	25895	36
ONEIDA_-SHERILPL_115_6	6	115	116	120	145	26113	34
ONEIDA_-WALESVIL_115_7	7	115	116	120	145	26115	28
OSWEGO__345_115_BK 7	BK 7	345	489	552	690	25372	323
OSWEGO_-ELBRIDGE_345_17	17	345	1207	1326	1426	25234	899
OSWEGO_-S.OSWEGO_115_3	3-OS	115	209	218	218	25507	132
OSWEGO_-S.OSWEGO_115_5	5-OS	115	209	218	218	25508	132
OSWEGO_-S.OSWEGO_115_8	8-OS	115	400	462	478	25509	47
OSWEGO_-VOLNEY__345_11	11	345	1200	1326	1685	25199	151
OSWEGO_-VOLNEY__345_12	12	345	1200	1326	1685	25201	151
OWENSCRN-SABICO__115_7	7	115	116	120	145	325736	16
OWENSCRN-SABICO__115_9	9	115	116	120	145	325737	33
PACKARD_230_115_BK 3	BK 3	230	189	250	250	25414	14
PACKARD_230_115_BK 4	BK 4	230	190	250	250	25415	64
PACKARD_-LNGRD209_115_182	182	115	200	208	265	26056	126
PACKARD_-MILTR210_115_129	129	115	239	298	298	25906	119
PACKARD_-MILTR210_115_130	130	115	239	298	298	26059	128
PACKARD_-NIAGB130_115_181-922	181-922	115	160	166	206	26055	121
PACKARD_-SAWYER__230_77	77	230	556	644	746	25164	314
PACKARD_-SAWYER__230_78	78	230	556	644	746	25195	313
PALMITER-BENNETT__115_932	932	115	79	101	108	26165	20
PANNELL_345_115_3T	BK 3	345	255	319	336	25572	109
PANNELL_345_115_BK 1	BK 1	345	228	282	336	25396	111
PANNELL_345_115_BK 2	BK 2	345	228	282	336	25431	110
PANNELL_-CLAY__345_1	1	345	1195	1315	1673	25058	576

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
PANNELL_-CLAY___345_2	2	345	1195	1315	1673	25050	577
PANNELRG-FARMGTN_115_4-977	4-977	115	250	296	321	25080	92
PANNELRG-STA_56__115_24	24	115	129	148	160	26285	98
PANNELRG-STA_56__115_25	25	115	129	148	160	26284	91
PARISHVL-COLTON__115_3	3-CP	115	128	147	159	25241	26
PATROON_-NANOTECH_115_6	6	115	278	321	368	25866	84
PATROON_-PATRTAP_115_15	15	115	160	176	224	25867	40
PATRTAP_-EVERETRD_115_15	15	115	148	166	166	26493	48
PAVMNTRD-STOLLERD_115_926	926	115	249	287	327	325220	23
PAWLING_-TILYFSTR_115_994	994	115	249	287	312	25902	52
PEAT ST_-HDSNBRDG_115_10	10	115	176	211	258	26648	64
PEAT ST_-HDSNBRDG_115_7	7	115	278	321	368	26649	14
PEBLHILL-DEWITT__115_19	19	115	187	213	236	327232	125
PEROXYCM-TWOMLCRK_115_39	39	115	145	151	185	327141	70
PETERBOR-ONEIDA__115_5	5	115	116	120	127	25896	13
PIERCBRK-FIVEMILE_345_37	37	345	1195	1195	1195	326225	168
PILGRIM__138B_138A_PAR	138_PS2	138	309	371	445	25604	110
PILGRIM_-HAUPPAUG_138_871	871	138	260	320	353	25550	110
PILGRIM_-KINGS___138_880	880	138	441	500	568	25537	75
PINEBUSH-SANDCREK_115_12	12	115	116	120	145	326635	62
PINEBUSH-WOODLAWN_115_35	35	115	116	120	145	326633	20
PINEGROV-FLYROAD__115_3	3	115	220	220	220	327238	42
PLATSBRG_230_115_AT2	AT2	230	249	277	318	326870	28
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	125	151	180	25078	9
PLATSBRG-PLATSBRG_115_PS1TM	PS1TM	115	157	179	197	325732	12
PLATTSBURGH PS-1A	PS-1/A	115	157	179	197	69888	3
PLSNTVLE_345_13__BK 1	BK 1	138	59	67	67	25477	39
PLSNTVLE_345_13__BK 2	BK 2	138	59	67	67	25478	38
PLSNTVLE-DUNWODIE_345_W89	W89	345	1868	2081	2384	25182	1019
PLSNTVLE-DUNWODIE_345_W90	W90	345	1720	1977	2265	25250	1062
PLSNTVLY-EFISHKIL_345_F36	F36	345	1720	2215	2657	25256	476
PLSNTVLY-EFISHKIL_345_F37	F37	345	1720	2215	2657	25257	476
PLSNTVLY-WOOD_ST__345_F30	F30	345	1720	2214	2657	25237	1080
PLSNTVLY-WOOD_ST__345_F31	F31	345	1720	2214	2657	25238	1044
PLSTVYCH_115_69_TR 10	TR 10	115	107	120	143	25840	52
PLSTVYCH_345_115_BK S1	BK S1	345	396	450	450	25382	26
PLSTVYCH-INWOOD___115_X1	X-1	115	175	193	220	26209	27
PLSTVYCH-MANCHSTR_115_M	M	115	183	230	260	26208	71
PLSTVYCH-TODDHILL_115_C	C	115	183	248	295	325156	94
PLYMTHST-HUDS_AVE_138_32078	32078	138	144	248	464	326581	6

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
PORTER_-DERFIELD_115_8	8	115	105	114	127	26116	14
PORTER_-ROTTRDAM_230_30	30-PR	230	440	505	560	25173	0
PORTER_-ROTTRDAM_230_31	31-PR	230	440	505	560	25194	277
PORTER_-VALLEY__115_4	4-PV	115	116	120	145	25231	80
PORTER_-WATKINRD_115_5	5-PW	115	116	120	145	25232	87
PORTJEFF_138_69_BK 7	BK 7	138	111	138	156	25601	56
PORTJEFF_138_69_BK 8	BK 8	138	114	141	159	25600	43
PORTJEFF-HOLBROOK_138_862	862	138	248	305	336	25539	44
PORTJEFF-HOLBROOK_138_886	886	138	256	315	347	25540	45
PYRITES_-DEKALB__115_7	7	115	76	87	94	26065	15
QUAKERRD-MACEDON__115_930	930	115	60	75	112	25093	33
QUAKERRD-PANNELRG_115_914	914	115	207	247	264	25261	41
QUAKERRD-PANNELRG_115_925	925	115	274	303	354	25682	63
QUAKERRD-SLEIGHT__115_13-980	980(13)	115	150	169	188	25079	33
QUAKERRD-STA_204__115_908	908	115	227	251	285	26286	51
QUENBRDG-VERNON__138_31281	31281	138	363	455	602	25159	119
QUENBRDG-VERNON__138_31282	31282	138	363	455	602	25160	70
QUENSBRY-CEDAR__115_10	10	115	128	147	159	26140	53
QUENSBRY-SHERMAN__115_17	17-QS	115	116	120	145	26142	55
RAINEY_-FARRAGUT_345_61	61	345	537	749	1247	25152	305
RAINEY_-FARRAGUT_345_62	62	345	691	818	1281	25253	281
RAINEY_-FARRAGUT_345_63	63	345	537	749	1247	25254	305
RAINEY_-VERNON__138_36311	36311	138	233	280	317	25296	48
RAINEY_-VERNON__138_36312	36312	138	245	303	342	25297	4
RAMAPO__345_138_BK 1300	1300	345	592	677	743	25441	137
RAMAPO__345_138_BK 2300	2300	345	592	677	743	25442	137
RAMAPO__345_345_PAR3500	PAR3500	345	611	788	1054	25370	79
RAMAPO__345_345_PAR4500	PAR4500	345	575	803	1081	25371	78
RAMAPO__500_345_BK 1500	BK 1500	345	995	1304	1750	25656	158
RAMAPO_-BUCHAN_N_345_Y94	Y94	345	1703	1894	2404	25184	948
RAMAPO_-LADENTWN_345_W72	W72	345	1722	1894	2404	25233	438
RAMAPO_-SUGARLOF_345_76	76	345	1872	2037	2145	326219	767
RAMAPOOR-STRLFRST_138_26	26	138	236	270	285	326302	55
RAMAPOOR-TALLMAN__138_60	60	138	425	451	475	25880	179
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	19
REGENRON-GREENBSH_115_9	9	115	352	422	474	327081	206
REGENRON-RVSD_TAP_115_4	4	115	176	211	239	327082	3
REYNOLDS_345_115_BK 2	BK 2	345	459	562	755	25403	267
REYNOLDS-ALPS__345_1	1	345	1670	1912	1912	25587	323
REYNOLDS-GERENSLR_115_31	31	115	220	252	280	326247	90

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
REYNOLDS-REGENRON_115_9	9	115	329	400	474	26129	198
REYNOLDS-RVSD_TAP_115_4	4	115	220	241	280	325648	32
RICHFELD-ESPRGFLD_115_7-942	942	115	102	113	120	26176	20
RIDGE_RD-HILLSIDE_115_963	963	115	108	128	145	26190	14
RIDGE_RD-HILLSIDE_115_978	978-1	115	108	128	145	26191	10
RIVERSDE-RVSD_TAP_115_4	4	115	220	239	239	26144	29
RIVERSDE-TRINITY_115_18	18	115	147	178	243	26491	93
RIVERSDE-TRINITY_115_19	19	115	198	242	278	26492	108
RIVRHEAD_138_69_BK 7	BK 7	138	114	141	156	26622	67
RIVRHEAD_138_69_BK 8	BK 8	138	112	138	156	26623	58
ROBNSNRD-STOLLERD_230_65	65	230	550	637	717	25065	184
ROCHESTR_345_115_BK 1	BK 1	345	494	603	630	25412	125
ROCHESTR_345_115_BK 2	BK 2	345	327	415	478	25432	135
ROCHESTR_345_115_BK 3	BK 3	345	494	603	630	25446	119
ROCHESTR_345_115_BK 5	BK 5	345	462	567	630	325381	232
ROCHESTR-PANNELL_345_RP1	RP1	345	1301	1501	1685	25192	399
ROCHESTR-PANNELL_345_RP2	RP2	345	1301	1501	1685	25172	400
ROCK_CUT-TILDEN__115_18	18	115	187	208	236	326281	0
ROCKHILL-MNTNDALE_115_957	957	115	153	163	173	325615	32
ROCKTVRN_345_115_BK TR1	BK TR1	345	396	445	445	25406	40
ROCKTVRN_345_115_BK TR3	BK TR3	345	396	459	519	26168	40
ROCKTVRN-RAMAPO__345_77	77	345	1872	2037	2145	25183	901
ROCKTVRN-SUGARLOF_345_76	76	345	1872	2037	2145	326218	963
ROCKTVRN-SUGRLOAF_115_SL	SL	115	177	204	218	25420	0
ROCKTVRN-UNION_CH_115_RJ	RJ	115	161	177	221	326347	41
ROME__-TURNSTON_115_1	1-RO	115	200	217	239	26112	29
RONKOKMA-HOLBROOK_138_875	875	138	426	484	548	25541	102
ROSA_RD_-GE_R_D__115_14	14	115	200	217	260	26145	31
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	1936	2666	3133	25108	1426
ROSETON_-ROCKTVRN_345_311	311	345	1396	1623	1870	25069	229
ROTTRDAM_230_115_BK 6	BK 6	230	352	414	478	25407	99
ROTTRDAM_230_115_BK 7	BK 7	230	300	355	402	25392	95
ROTTRDAM_230_115_BK 8	BK 8	230	326	369	423	25413	77
ROTTRDAM-BURDECK_115_17	17-RB	115	116	120	145	25129	37
ROTTRDAM-BURDECK_115_19	19-RB	115	116	120	145	26146	46
ROTTRDAM-CURRY_RD_115_11	11	115	220	252	280	25869	0
ROTTRDAM-EASTOVER_230_38	38	230	482	530	637	326094	5
ROTTRDAM-FRONT_ST_115_16	16	115	220	252	280	26147	97
ROTTRDAM-PINEBUSH_115_35	35	115	116	120	145	25865	7
ROTTRDAM-SWAGRTWN_115_44	44	115	414	447	447	26430	75

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
RULAND_-HOLBROOK_138_882	882	138	394	479	566	25538	40
RULAND_-PILGRIM_138_661	661	138	483	529	544	25310	116
RULAND_-PILGRIM_138_662	662	138	483	529	544	25311	116
RUTHROAD-LINE8TAP_115_8	8	115	116	120	145	326639	50
RUTHROAD-PINEBUSH_115_12	12	115	186	214	237	326634	48
RYAN___-PLATSBRG_230_RYP-2	RYP-2	230	249	277	318	25273	37
RYNDS_HL-HIGHLAND_115_HR	HR	115	176	194	221	325825	26
RYNDS_HL-INWOOD__115_IR	IR	115	175	193	220	26248	42
S.MAHWAH-RAMAPOOR_138_51	51	138	236	270	285	25888	96
S.OSWEGO-CLEARWTR_115_9	9	115	192	199	199	25510	99
S.OSWEGO-CURTIS__115_10	10	115	175	175	175	25511	85
S.OSWEGO-HAMRHILL_115_6	6	115	116	120	145	25513	8
S.OSWEGO-NINEMILE_115_1	1-SN	115	116	120	145	25501	35
S.OWEGO_-GOUDEY__115_961	961	115	112	131	143	25725	30
S.OWEGO_-NWAVERLY_115_962	962-2	115	111	131	143	25727	21
S.PERRY_230_115_BK4	BK 4	230	246	296	336	326585	24
S.PERRY_-MEYER__115_934	934	115	82	96	104	26194	33
S.PERRY_-MEYER__230_87	87	230	417	479	533	326586	51
S.RIPLEY-DUNKIRK_230_68	68	230	368	368	368	25045	1
S124___115A_115B_PS1	PS1	115	163	234	354	325930	135
S124___115A_115B_PS2	PS2	115	163	234	354	325931	135
S42___115_115_PS920	PS920	115	230	230	230	327073	50
S42___-S124___115_932	932	115	185	207	215	325827	134
S42___-S124___115_938	938	115	185	207	215	325972	134
SABICO_-FEURABSH_115_9	9	115	220	252	280	326028	33
SABICO_-LONGLANE_115_7	7	115	199	199	199	26501	3
SALAMANC_HOMER_HL_115_153	153	115	128	147	159	325763	26
SALAMANC_HOMER_HL_115_154	154	115	128	147	159	325764	29
SANBORN_-LOCKPORT_115_101	101	115	233	253	318	25267	69
SANBORN_-SHAWNERD_115_102	102	115	275	303	354	326179	75
SAND_BAR-PLATSBRG_115_PV20	PV20	115	210	245	258	25027	104
SANDCREK-LINE8TAP_115_8	8	115	116	120	145	326640	11
SANDCREK-STATE_CA_115_12	12	115	148	166	166	326636	62
SANDDOCK-NCHELSEA_115_SC	SC	115	183	248	279	26249	42
SAWYER__230_23_TB1	TB1	230	104	128	128	325047	53
SAWYER__230_23_TB2	TB2	230	104	128	128	325048	54
SAWYER__230_23_TB3	TB3	230	104	128	128	325049	51
SAWYER_-HUNTLEY_230_77	77	230	566	654	755	325043	260
SAWYER_-HUNTLEY_230_78	78	230	566	654	755	325044	259
SAWYER_-SUNY_BUF_230_79	79	230	566	654	710	325045	205

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
SAWYER_-SUNY_BUF_230_80	80	230	566	654	755	325046	203
SCHAGCKT-EASTOVER_115_10	10	115	186	214	237	327071	111
SCHAGCKT-MULBRYNM_115_3	3	115	186	214	237	327072	38
SCHODACK-GREENBSH_115_13	13	115	186	214	237	325804	93
SCHUYLER-PORTER__115_13	13	115	176	191	191	326142	42
SCOTAFLT-MASONCR_115_909	909	115	155	179	193	325702	6
SCRIBA_-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1662	25076	194
SCRIBA_-VOLNEY__345_20	20	345	1200	1396	1686	25204	543
SCRIBA_-VOLNEY__345_21	21-SV	345	1670	1912	1912	25314	712
SEBATVIA-EBATAVIA_115_119	119	115	220	252	280	326098	21
SENECA_-GARDNVLB_230_71	71	230	241	241	241	25856	19
SENECA_-GARDNVLB_230_72	72	230	241	241	241	25857	20
SHALETON-CLVRBANK_115_141	141	115	88	101	108	325875	26
SHALETON-LAKEVIEU_115_141	141	115	88	101	108	325874	24
SHAWNERD-LOCKPORT_115_102	102	115	233	253	318	26052	67
SHAWNERD-LOCKPORT_115_103	103	115	174	181	199	26051	52
SHELBY76-SWEDEN__115_111	111	115	221	256	287	326393	11
SHENDOAH-EFISHKIL_115_EF	EF	115	198	230	260	26251	35
SHERILPL-YAHNUNDA_115_6	6	115	116	120	135	326740	15
SHERMAN_-SPIERFLS_115_17	17-SS	115	116	120	145	26148	43
SHERMCRK-ACADEMY_138_331	331	138	313	406	524	325755	149
SHERMCRK-ACADEMY_138_332	332	138	313	406	524	325754	149
SHERMCRK-E179THST_138_15031	15031	138	162	220	360	25156	126
SHERMCRK-E179THST_138_15032	15032	138	162	220	360	25157	124
SHOEMAKR_138_69_BK 711	BK 711	138	212	281	319	26694	90
SHOEMAKR_138_69_BK 811	BK 811	138	193	225	253	326024	112
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	329
SHORE_RD_345_138_BK 1	BK 1	345	428	534	641	25439	308
SHORE_RD_345_138_BK 2	BK 2	345	439	534	641	25440	285
SHORE_RD-GLENWOOD_138_365	365	138	256	315	347	25205	114
SHORE_RD-GLENWOOD_138_366	366	138	267	343	402	25154	37
SHORE_RD-LAKSUCSS_138_367	367	138	238	413	545	25145	219
SHORE_RD-LAKSUCSS_138_368	368	138	239	414	547	25150	219
SHOREHAM-MILLERPL_138_879	879	138	394	479	566	25117	30
SHOREHAM-WILDWOOD_138_863	863	138	395	481	567	25115	178
SHOREHAM-WILDWOOD_138_867	867	138	395	481	567	25114	175
SIDNEYRR-DELHI__115_949	949	115	80	110	120	326184	44
SLEIGHT_115_34_BK 1	BK 1	115	35	43	67	70523	23
SLEIGHT_115_34_BK 2	BK 2	115	35	43	67	70524	26
SLEIGHT_-CLYDE__115_3-971	971(3)	115	129	143	143	26686	16

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
SMAHWAH_345_138_BK 258	258	345	441	516	559	25393	153
SMAHWAH_-RAMAPO__345_69	69	345	1226	1737	2268	25021	102
SMAHWAH_-RAMAPO__345_70	70	345	1720	1890	2398	25259	56
SMITHBRD-WEIBELAV_115_2	2	115	232	241	291	325903	15
SMITHBRD-WEIBELAV_115_302	302	115	220	253	280	325904	19
SODEMNRD-LASHERRD_115_2	1	115	402	467	478	327085	60
SODEMNRD-TAPBROOK_115_2	2	115	443	512	574	326827	154
SODEMNRD-TAPBROOK_115_302	302	115	443	512	574	326825	47
SORELHIL-ANHRBUSH_115_9	9	115	192	221	245	326802	84
SORELHIL-BELMONT__115_13	13	115	187	191	191	326800	49
SOUTHADOW-CARRSCRN_115_153	153	115	128	147	159	326162	20
SOUTHADOW-CARRSCRN_115_154	154	115	128	147	159	326164	11
SOUTHWOD-PEBLHILL_115_19	19	115	187	213	236	327231	96
SPENCPT-STA_113_115_947	947	115	113	123	135	326080	67
SPIERFLS-BUTLER__115_4	4-SFB	115	105	114	134	26136	33
SPIERFLS-CURTPALM_115_9	9	115	105	114	134	326145	3
SPIERFLS-MOHICAN__115_7	7	115	116	120	145	26435	28
SPIERFLS-QUENSBRY_115_5	5-SFQ	115	116	120	145	26141	54
SPIERFLS-TAPBROOK_115_2	2	115	232	241	291	25874	13
SPIERFLS-TAPBROOK_115_302	302	115	182	197	248	25873	11
SPRAINBROOK - SPRNBR49	R49REAC	345	693	936	1392	26725	639
SPRINGVL-ARCADE__115_151	151	115	129	148	160	326167	7
SPRINGVL-MACHIAS__115_152	152	115	129	139	139	326171	1
SPRNBRK_345_138_BK N7	BK N7	345	284	397	417	25628	225
SPRNBRK_345_138_BK S6	BK S6	345	284	397	417	25625	234
SPRNBRK_-ACADEMY_345_M29	M29	345	474	719	1351	325756	301
SPRNBRK_-DUNWODIE_138_99942	99942	138	330	402	464	25246	224
SPRNBRK_-DUNWODIE_345_W75	W75	345	2331	2658	3202	25071	188
SPRNBRK_-DUNWOODN_138_99941	99941	138	330	444	465	25245	234
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	637	900	1329	25105	637
SPRNBRK_-TREMONT_345_X28	X28	345	465	675	1182	25175	401
SPRNBRK_-W49TH_ST_345_M51	M51	345	790	940	1527	25053	593
SPRNBRK_-W49TH_ST_345_M52	M52	345	790	940	1527	25223	593
ST55-139-CLVRBANK_115_141	141	115	88	101	108	325876	33
ST55-139-CLVRBANK_115_142	142	115	88	101	108	325882	33
STA_1185-STA_180_-115_907	907	115	61	81	108	326235	12
STA_128_-STA_82__115_906	906	115	129	147	159	26303	18
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	58
STA_135_-STA_230__115_929	929	115	226	249	269	325839	62
STA_158_-STA_128__115_924	924	115	129	147	155	26654	15

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
STA_162_-S.PERRY_115_906- 7X	906-7X	115	111	131	143	25062	35
STA_162_-STA_1185_115_907	907	115	96	127	169	325254	45
STA_162_-STA_158_115_924	924	115	129	147	155	26653	10
STA_204_115_34_BK 1	BK 1	115	56	67	112	70539	25
STA_204_115_34_BK 2	BK 2	115	56	67	112	70540	31
STA_204_-S124___115_911	911	115	218	228	261	26307	135
STA_23_-S42___115_920	920	115	211	237	243	70027	50
STA_23_-STA_255R_115_941	941	115	300	538	637	327242	89
STA_23_-STA_262_115_944	944	115	400	538	640	70028	6
STA_230_-QUAKERRD_115_929	929	115	226	249	269	325840	51
STA_251_-MORTIMER_115_901	901	115	182	197	241	25097	56
STA_251_-STA_33___115_942	942	115	193	213	241	326100	39
STA_251_-STA_33___115_943	943	115	193	213	241	326101	50
STA_255_345_115_1TRANS	1TRANS	345	493	605	672	327207	106
STA_255_345_115_2TRANS	2TRANS	345	493	605	672	327208	106
STA_255_-ROCHESTR_345_40	40	345	1309	1506	1697	327209	83
STA_255_-ROCHESTR_345_HR1	HR1	345	1301	1488	1685	327243	52
STA_255_-ROCHESTR_345_HR2	HR2	345	1301	1488	1685	327244	52
STA_255R-STA_418_115_940	940	115	300	564	637	327241	122
STA_262_-STA_33___115_943	943	115	400	640	640	326414	11
STA_33___115_34_BK10	BK 1,2	115	75	90	132	70541	40
STA_33___115_34_BK8	BK 8	115	85	95	125	325836	40
STA_37___115_34_BK 8	BK 8	115	50	59	100	70542	40
STA_37_-STA_48___115_926	926	115	275	305	355	26314	86
STA_37_-STA_67___115_926	926	115	250	280	300	26313	126
STA_418_-STA_113_115_947	947	115	129	147	159	326069	82
STA_48___115_34_BK 6	BK 6	115	57	66	69	70544	31
STA_48___115_34_BK 9	BK 9	115	59	66	112	70543	30
STA_56_-QUAKERRD_115_23	23	115	145	151	153	26288	79
STA_56_-STA_82___115_23	23	115	145	151	185	26287	37
STA_67_-ROCHESRG_115_922	922	115	311	364	376	26321	135
STA_67_-STA_418_115_910	910	115	227	251	285	326048	2
STA_67_-STA_82___115_903	903	115	311	364	384	26322	48
STA_69_-STA_71___115_945	945	115	103	121	141	326238	7
STA_69_-STA_93___115_917	917	115	125	143	155	326237	13
STA_7_-STA_48___115_919	919	115	226	249	269	26302	52
STA_7_-STA_48___115_927	927	115	253	292	309	326039	56
STA_7_-STA_93___115_917	917	115	117	127	147	26301	27
STA_70_-SPENCPRT_115_947	947	115	113	123	135	326343	58
STA_71_-STA_70___115_946	946	115	113	123	135	326342	25

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
STA_82_-MORTIMER_115_7X8272	7X8272	115	258	358	410	25098	159
STA_82_-ROCHESRG_115_904	904	115	506	584	618	25081	211
STA_82_-ROCHESRG_115_905	905	115	506	584	618	26305	195
STA_82_-STA_251_115_902	902	115	175	211	239	70058	38
STA_82_-STA_48__115_916	916	115	422	504	532	326055	94
STA_89_-STA_56__115_25	25	115	114	123	142	327090	77
STATE_CA-PATRTPA_115_15	15	115	160	176	224	26494	48
STATE_ST-WRGHTAVE_115_976	976	115	185	221	239	26200	101
STERLING_138_69_BK 3	BK 3	138	228	283	320	26524	134
STERLING-RULAND__138_663	663	138	215	278	313	26498	135
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	31
STLAWRNC_230A_230C_PS 33	PS 33	230	240	259	334	25118	0
STLAWRNC_230B_230D_PS 34	PS 34	230	300	336	466	25119	2
STLAWRNC-MOSES__230_L33P	L33P	240	299	411	446	25026	0
STLAWRNC-MOSES__230_L34P	L34P	240	317	411	446	25037	2
STOLLERD_345_115_BK 3	BK 3	345	316	378	420	25461	47
STOLLERD_345_115_BK 4	BK 4	345	323	391	420	25462	46
STOLLERD-HISHELDN_230_67	67	230	417	479	533	25064	7
STONCREK-WETHSRFD_230_83	83	230	417	479	533	325973	14
STONER_-VAILMILL_115_12	12	115	84	84	84	25680	6
STONYRDG_230_115_BK1	BK1	230	247	336	336	325811	68
STONYRDG-HILLSIDE_230_72	72	230	498	574	653	325810	38
STURGNPL_115_69_BK8	TR 8	115	86	116	135	326293	17
STURGNPL-OHIOVLE_115_OR	OR	115	182	193	193	326294	29
SUGARISL-COLTON__115_4	4	115	182	197	248	26084	14
SUGRLOAF_345_138_BK1112	BK1112	345	425	451	475	326220	190
SUGRLOAF_69_138_BK 6108	BK 6108	138	161	176	185	26333	65
SUGRLOAF_69_138_BK 7108	BK 7108	138	192	226	253	25891	72
SUGRLOAF-STRLFRST_138_261	261	138	236	270	285	25326	114
SULLVNP-K-STONYRDG_115_712	712	115	235	272	313	325809	68
SUMMIT97-BUFALO78_115_130	129	115	239	298	298	326292	110
SUMMIT97-WALCK_RD_115_129	129	115	239	298	298	326289	76
SUNY_BUF-GARDNVLB_230_79	79-1	230	566	654	699	25165	194
SUNY_BUF-GARDNVLB_230_80	80-1	230	566	654	722	25196	189
SWAGRTWN-ROTTRDAM_115_1	1	115	418	478	478	26429	157
SWANROAD-LOCKPORT_115_104	104	115	168	181	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	168	181	206	326181	60
SWEDEN_-BROCKP74_115_111	111	115	129	136	153	326130	35
SWEDEN_-BROCKP74_115_113	113	115	143	165	180	326132	29
SWEDEN_-MORTIMER_115_111	111	115	129	149	153	25347	25

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
SWEDEN_-MORTIMER_115_113	113	115	129	149	153	25348	28
SWEDEN_-SHELBY76_115_113	113	115	143	165	180	326131	8
SWETH224-GETZVL60_115_36	36	115	174	181	226	326365	12
SWETH224-GETZVL60_115_37	37	115	174	181	226	326366	12
SYLVANLK-PAWLING_115_990	990	115	203	227	239	26156	121
SYOSSET_138_69_BK 5	BK 5	138	227	263	302	26565	108
SYOSSET_-LOCUSTGR_138_559	559	138	388	473	558	25904	85
TALLMAN_-MONSEY__138_602	602	138	425	451	475	325609	133
TAPBLSTN-SWAGRTWN_115_44	302	115	220	252	280	327088	156
TAYLORVL-BREMEN__115_6	6	115	102	120	142	26070	49
TAYLORVL-LOWVILLE_115_5	5-TL	115	102	114	134	26107	53
TEALLAVE-ASH____115_7-TA	7-TA	115	120	148	148	26063	46
TEALLAVE-ASH____115_8-AT	8-AT	115	120	148	148	26117	46
TEALLAVE-CROUSEHD_115_13	13	115	202	219	239	326066	14
TEALLAVE-PETERBOR_115_5	5	115	116	120	145	325164	47
TEALLAVE-SALCARBM_115_6	6	115	187	213	236	26154	48
TELGRAPH_115_34_114_ BK 2	BK 2	115	52	63	63	26509	19
TELGRAPH_115_34_115_ BK 1	BK 1	115	52	63	63	26013	18
TELGRAPH-AKRONVIL_115_107	107	115	179	179	179	26508	27
TELGRAPH-SHELBY76_115_114	114	115	143	165	180	25349	3
TEMPLE_-PEAT ST_115_10	10-TP	115	119	152	179	26715	46
TERMINAL-PORTER__115_6	6	115	200	208	265	326140	49
TERMINAL-SCHUYLER_115_7	7	115	116	120	145	326141	13
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	62	62	62	26470	15
TILDEN_-SOUTHWOD_115_19	19	115	182	197	236	26092	80
TILYFSTR-CROTONFL_115_994	994	115	176	179	179	326413	24
TNWD206-OAKWD232_115_36	36	115	262	281	296	326368	57
TNWD206-OAKWD232_115_37	37	115	262	281	296	326371	58
TODDHILL-FISHKPLN_115_A	A	115	232	253	304	325157	61
TREMONT_138A_138B_BK 11	BK 11	138	243	279	312	25649	200
TREMONT_138C_138D_BK 12	BK 12	138	243	279	312	25650	200
TREMONT_345_138_BK 11	BK 11	345	245	299	339	25473	200
TREMONT_345_138_BK 12	BK 12	138	246	299	339	25474	200
TREMONT_-PARKCHTR_138_38X01	38X01	138	180	320	526	25120	100
TREMONT_-PARKCHTR_138_38X02	38X02	138	180	320	526	25121	100
TREMONT_-PARKCHTR_138_38X03	38X03	138	190	318	526	25122	99
TREMONT_-PARKCHTR_138_38X04	38X04	138	190	318	526	25123	101
TULLERHL-CLRKSCRN_115_1-716	1-716	115	128	147	159	26192	15
TULLYCTR-ROCK_CUT_115_18	18	115	220	238	238	326280	58
TURNSTON-ONEIDA__115_1	1-RO	115	129	157	192	327129	35

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
TWOMLCRK-BUFAL129_115_38	38	115	145	151	185	327229	69
TWOMLCRK-BUFAL129_115_39	39	115	145	151	185	327230	67
UNION_CH-BETHLMRD_115_UB	UB	115	143	164	178	326345	18
UNIONVAL-CROTONFL_115_991	991	115	215	227	239	326417	51
URBAN154-DALEROAD_115_39	39	115	174	181	226	326152	38
URBAN154-WALDENNG_115_38	38	115	174	181	226	326151	39
VAILMILL-CHURCH_S_115_12	12	115	113	113	113	327079	21
VALKIN_-FT_ORAN_115_15	15	115	186	214	237	325685	103
VALLEY_-FAIRFIEL_115_12	12	115	116	120	145	325743	55
VALLYSTR_138A_138B_PAR	B_PAR	138	307	368	441	25607	100
VALLYSTR-BARRETT_138_291	291	138	188	277	401	25312	95
VALLYSTR-BARRETT_138_292	292	138	180	271	330	25313	107
VALLYSTR-EGRDNCTY_138_261	261	138	256	358	592	327260	72
VALLYSTR-EGRDNCTY_138_262	262	138	209	291	349	25244	118
VERNON__138A_138B_PAR R1	PAR R1	138	352	431	495	325712	0
VERNON_-GREENWD_138_31231	31231	138	174	226	247	25337	86
VERNON_-KENTAVE_138_31232	31232-1	138	174	226	247	26123	38
VERNON_-W49TH_ST_138_38M72	38M72	138	140	221	221	325122	89
VINGR_TP-VINEGAR_115_917 TAP	917 TAP	115	125	152	193	26455	3
VOLNEY_-CLAY__345_6	6	345	1109	1344	1686	25198	937
VOLNEY_-MARCY__345_19	19	345	1434	1793	2032	25345	612
W.ASHVLE-BAKER_ST_115_160	160-2	115	200	217	260	327111	5
W.NYACK_138_69_BK 221	BK 221	138	212	281	319	26334	80
W.NYACK_-SNKEHLRD_138_562	562	138	212	267	281	325906	80
W_ERIAVE-HICKLING_115_935	935	115	136	163	185	325568	1
W_ERIAVE-SULLVNP_115_711	711	115	245	272	313	325808	48
W49TH_ST-E13THSTA_345_M54	M54	345	753	986	1566	25228	236
W49TH_ST-E13THSTA_345_M55	M55	345	753	986	1566	25222	233
WADNGRIV-NSHORBCH_138_878	878	138	440	488	595	325642	24
WADNGRIV-SHOREHAM_138_891	891	138	394	479	566	25342	54
WALCK_RD-BUFALO78_115_133	133	115	239	298	298	26153	135
WALDEN_-WALDN_A2_115_BK 1	BK 1	115	38	39	42	25429	15
WALDENNG-CALSPAN_115_54-921	54-921	115	187	215	236	26024	54
WALDENNG-GARDNVLB_115_182	182	115	168	181	206	26015	50
WALDENNG-GARDNVLB_115_38	38	115	168	181	206	26039	28
WALDWICK_345_230_BK1	BK1	345	549	713	806	25479	2
WALDWICK_345_230_BK2	BK2	345	557	716	794	25480	2
WALDWICK_345_230_BK3	BK3	345	609	794	901	25481	2
WALDWICK-SMAHWAH_345_J3410	J3410	345	672	1043	1920	25032	50
WALDWICK-SMAHWAH_345_K3411	K3411	345	675	1041	1920	25039	56

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
WALESVIL-CAVANARD_115_7	7	115	116	120	145	325213	41
WALESVIL-PORTER_115_3	3	115	116	120	145	326705	59
WARNSBRG-SCOFDRD_115_10	10	115	50	50	50	326148	40
WARREN_-FALCONER_115_171	171	115	116	116	120	25015	0
WATKINRD-INGHAM_C_115_2	2-WI	115	116	120	145	25805	64
WATRCURE_345_230_BK 1	BK 1	345	426	520	600	25402	108
WATRCURE_345_230_BK 2	BK 2	345	439	539	599	327087	107
WATRCURE-OAKDALE_230_71	71	230	275	400	440	25179	1
WATRCURE-OAKDALE_345_31	31	345	1076	1076	1076	25178	202
WBALMVLE-MARLBORO_115_MW	MW	115	198	230	260	326090	17
WEST BUS-SILLSRD_138_873	873	138	494	541	620	325618	2
WESTMLTN-LASHERRD_115_302	302	115	402	467	478	327084	52
WESTMLTN-SODEMNRD_115_302	302	115	443	512	574	326824	47
WETHSRFD-S.PERRY_230_85	85	230	417	479	533	325623	51
WETZEL_-CLAY___115_7	7-CL	115	220	252	280	326207	1
WHAVSTOR_345_138_BK 194	BK 194	345	446	546	619	25447	253
WHAVSTOR-LOVETT___138_53	53	138	220	244	268	25884	3
WHAVSTOR-STONYPNT_138_542	542	138	236	270	285	326049	14
WHAVSTRW-WHAVSTOR_345_671	671	345	451	546	619	326216	253
WHITAKER-S.OSWEGO_115_4	4	115	128	147	159	327190	70
WHITEHAL-COMSTKNM_115_13	13	115	116	120	145	25903	26
WHITEHAL-TICONDRG_115_3	3	115	116	120	145	26471	37
WHITMAN_-ONEIDA___115_8	8	115	146	157	159	25894	27
WICCOPEE-SHENDOAH_115_FS	FS	115	194	214	240	325773	37
WILDWOOD_138_69_BK 4	BK 4	138	227	263	302	26550	40
WILDWOOD-RIVRHEAD_138_890	890	138	294	324	375	25905	125
WILLET_-ENORWICH_115_945	945-1	115	125	152	159	25732	43
WILLIS___230_115_AT1	BK 1	230	145	179	209	25388	16
WILLIS___230_115_AT2	BK 2	230	145	179	209	25390	16
WILLIS_-CHAT_TAP_115_1(911)	1(911)	115	135	159	175	26204	9
WILLIS_-PATNODE_230_WPN-1	WPN-1	230	434	500	532	325565	59
WILLIS_-RYAN___230_WRY-2	WRY-2	230	396	459	524	325566	66
WILLWBRK-FRESHKLS_138_29211	29211-2	138	182	262	439	25319	162
WILLWBRK-FRESHKLS_138_29212	29212-2	138	182	262	439	25320	175
WOLF_RD_-EVERETRD_115_10	10	115	116	120	145	26255	88
WOOD_ST_345_115_BK 1	BK 1	345	302	354	420	25437	133
WOOD_ST_345_115_BK 2	BK 2	345	311	368	420	25438	97
WOOD_ST_-MILLWOOD_345_W80	W80	345	1720	2215	2657	25148	975
WOOD_ST_-MILLWOOD_345_W81	W81	345	1720	2215	2657	25525	1044
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	1839	2520	3056	25358	1106

Equipment Name	ID	KV	NORM	LTE	STE	PTID	Flow
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	1775	1977	2265	25132	1061
WOODLAWN-RUTHROAD_115_12	12	115	182	197	237	26490	48
WOODSTNY-AMAWALK_115_996	996	115	215	247	275	25574	72
WOODSTNY-KATONAH_115_901	901	115	231	249	270	326481	51
WRGHTAVE-MILLIKEN_115_973	973	115	185	221	249	26195	62
WTRVLARS-GERENSLR_115_31	31	115	128	147	159	26423	87
WWDBURNY_115_69_BK 1	BK 1	115	48	50	50	25404	22
WYNTKLN-REYNOLDS_115_13-988	13-WR	115	186	214	237	26143	98
WYNTKLN-WYNTKLN_115_BK 2	BK2	115	56	57	60	26489	20
YAHNUNDA-DEBALSO_115_3	3	115	125	143	154	26515	56
YAWGERRD-RIDGE_RD_115_963	963	115	217	227	262	326312	36
YOUNG214-HUNTLEY_115_133	133	115	168	181	206	26042	101
YOUNG214-SWETH224_115_36	36	115	174	181	226	326364	3

Appendix E – INTERFACE DEFINITIONS

NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
West (Zone A) – Genesee (Zone B)		
Name	Line ID	Voltage (kV)
*Somerset-Station 255 (Henrietta)	SH1-39	345
Niagara- Station 255 (Henrietta)*	NH2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

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

* indicates the metered end of the circuit

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

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

CENTRAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	18	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield-Inghams*	7-942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115

* indicates the metered end of the circuit

TOTAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	18	345
*Fraser-Gilboa	GF5-35	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield-Inghams*	7-942	115
Inghams PAR	PAR	115
Inghams Bus Tie	R81	115
Mohawk Valley (Zone E) – Hudson Valley (Zone G)		
Middletown-Rock Tavern*	CCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM East (Zone P) – NYC (Zone J)		
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*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

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

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

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

* indicates the metered end of the circuit

PJM-NYISO		
PJM East (Zone P) – NYC (Zone J)		
Name	Line ID	Voltage (kV)
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM West – Central (Zone C)		
*Mainesburg-Watercure	30	345
*Mainesburg-Homer City	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-Homer City	48	345
*Homer City-Pierce Brook	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		
Ontario South (Zone O) – West (Zone A)		
Name	Line ID	Voltage (kV)
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230
PJM West – West (Zone A)		
*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)		
*Somerset- Station 255 (Henrietta)	SH1-39	345
Niagara- Station 255 (Henrietta)*	NH2	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

* indicates the metered end of the circuit

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

Appendix F – ANNOTATED TARA OUTPUT

This Section Is Available Electronically If Requested

Appendix G – COMPARISON OF TRANSFER LIMITS SUMMER 2021 VS. 2020

Comparison of Summer 2021 to Summer 2020 Thermal Limits

Interface		SUMMER 2021		SUMMER 2020		Delta
		Limit (MW)	Contingency	Limit (MW)	Contingency	
Dysinger East	Normal	1050	1	675	1	375
	Emergency	1725	2	1600	2	125
UPNY - SENY	Normal	4550	3	4650	3	-100
	Emergency	5175	4	5300	5	-125
UPNY - ConEd	Normal	6850	3	6200	3	650
	Emergency	7525	4	6925	5	600
Sprain Brook	Normal	4100	6	4200	7	-100
Dunwoodie-South	Emergency	4200	8	4200	8	0
Con Ed - LIPA	Normal	900	9	900	9	0
	Emergency	1525	10	1500	10	25
Central East	MSC-7040 FLOW			1600 MW		
	Normal	2475	11	2525	12	-50
	Emergency	2650	13	2750	13	-100
	MSC-7040 FLOW			1310 MW		
	Normal	2475	11	2525	12	-50
	Emergency	2650	13	2750	13	-100
	MSC-7040 FLOW			800 MW		
	Normal	2475	11	2500	12	-25
	Emergency	2650	13	2725	13	-75
Total East ¹	MSC-7040 FLOW			1600 MW		
	Normal	3175	14	3850	14	-675
	Emergency	3650	15	4100	15	-450
	MSC-7040 FLOW			1310 MW		
	Normal	3175	14	3850	14	-675
	Emergency	3650	15	4075	15	-425
	MSC-7040 FLOW			800 MW		
	Normal	3150	14	3825	14	-675
	Emergency	3625	15	4050	15	-425
Moses - South	MSC-7040 FLOW			1600 MW		
	Normal	2275	16	2275	16	0
	Emergency	2700	17	2475	18	225

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

MSC-7040 FLOW			1310 MW		
Normal	2050	16	2050	16	0
Emergency	2550	19	2500	18	50
MSC-7040 FLOW			800 MW		
Normal	1600	20	1575	20	25
Emergency	1800	21	1800	21	0

NYISO SUMMER 2021 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Niagara – Packard (61) 230 kV	@STE	846 MW	L/O	Niagara – Packard (62) 230 kV Beck – Packard (BP76) 230 kV
(2)	Walck Rd - Huntley (133) 115 kV	@STE	206 MW	L/O	Packard – Huntley (130) 115 kV
(3)	Leeds – Pleasant Valley (92) 345 kV	@LTE	1538 MW	L/O	Athens – Pleasant Valley (91) 345 kV
(4)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART44) 345 kV
(5)	Leeds – Pleasant Valley (92) 345 kV	@STE	1724 MW	L/O	Athens – Pleasant Valley (91) 345 kV
(6)	Dunwoodie – Mott Haven (71) 345 kV	@MTE	1066 MW	L/O	Dunwoodie – Mott Haven (72) 345 kV Mott Haven 345/138 kV Transformer TR9
(7)	Mott Haven – Rainey (Q11) 345 kV	@MTE	1066 MW	L/O	Mott Haven – Rainey (Q12) 345 kV Rainey 345/138 kV Transformer 3W Rainey – East 75 St. 138 kV
(8)	Dunwoodie – Mott Haven (71) 345 kV	@NORM	707 MW		Pre-Contingency Loading
(9)	Dunwoodie – Shore Rd. (Y50) 345 kV	@LTE	916 MW	L/O	Sprain Brook – E.G.C. (Y49) 345 kV Sprain Brook – Academy (M29) 345 kV
(10)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	656 MW		Pre-Contingency Loading
(11)	Porter – Rotterdam (31) 230 kV	@LTE	505 MW	L/O	Marcy – Fraser Annex (UCC2-41) 345 kV (Series Capacitor) Edic – Fraser (EF24-40) 345 kV (Series Capacitor)
(12)	Leeds – New Scotland (93) 345 kV	@LTE	1538 MW	L/O	Leeds – New Scotland (94) 345 kV
(13)	Fraser – Coopers Corners (33) 345 kV	@STE	1793 MW	L/O	Marcy – Fraser Annex (UCC2-41) 345 kV (Series Capacitor)
(14)	Dolson Ave – Rock Tavern (DART44) 345 kV	@LTE	1852 MW	L/O	Rock Tavern – Middletown TAP (CCRT34) 345 kV Coopers Corners – Middletown TAP (CCRT34) 345 kV Roseton – Rock Tavern (311) 345 kV Middletown 345/138 kV Transformer

(15)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART44) 345 kV
(16)	Moses – Adirondack (MA1) 230 kV	@LTE	386 MW	L/O	Chateauguay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(17)	Browns Falls – Higley (1) 115 kV	@STE	135 MW	L/O	Flat Rock – Browns Falls (2) 115 kV
(18)	Marcy 765/345 kV T2 Transformer	@STE	1971 MW	L/O	Marcy 765/345 kV T1 Transformer
(19)	Flat Rock – Browns Falls (2) 115 kV	@STE	135 MW	L/O	Browns Falls – Higley (1) 115 kV
(20)	Moses – Adirondack (MA1) 230 kV	@LTE	386 MW	L/O	Moses 230/115 (AT4) kV Transformer Moses Gen 17-20 13.8 kV Moses 230 kV Bus tie
(21)	Moses – Adirondack (MA1) 230 kV	@STE	440 MW	L/O	Moses 230 kV Bus tie

Appendix H – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS											
Monitored Element				Base Flow	TRANSFER	NIAGAR-STA255	SOMMERSET-STA255	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR	
NIAG 345	345	STATION 255	345 1	14.42	36.41%	TRIP	54.27%	21.34%	20.25%	22.32%	
SOMERSET345	345	STATION 255	345 1	9.52	24.61%	44.51%	TRIP	14.42%	13.69%	15.09%	
STOLE230	230	SHLDN230	230 1	-6.84	11.78%	8.29%	6.83%	TRIP	6.72%	7.40%	
PALMT115	115	ANDOVER1	115 1	-10.62	1.59%	1.13%	0.93%	10.20%	0.93%	1.03%	
LOCKPORT	115	SHEL-113	115 1	15.81	2.66%	4.21%	3.47%	3.60%	TRIP	14.74%	
LOCKPORT	115	NAKR-108	115 1	30.66	0.98%	1.55%	1.28%	1.32%	3.48%	3.76%	
LOCKPORT	115	OAKFLDTP	115 1	31.14	1.09%	1.73%	1.43%	1.48%	3.89%	4.21%	
LOCKPORT	115	SOUR-111	115 1	10.54	2.70%	4.28%	3.53%	3.65%	13.59%	TRIP	
LOCKPORT	115	TELRD107	115 1	45.57	1.25%	1.99%	1.64%	1.70%	6.11%	6.00%	
LOCKPORT	115	TELRD114	115 1	22.35	2.65%	4.21%	3.47%	3.59%	18.39%	11.18%	
SUB-TOTALS					85.72%	71.90%	76.84%	61.30%	87.05%	85.73%	
L33P-L34P				0.00	0.00%	9.81%	8.08%	7.59%	3.59%	3.95%	
PJM-NYISO				366.06	14.28%	18.13%	14.94%	30.99%	9.29%	10.24%	
TOTALS					100.00%	99.83%	99.86%	99.88%	99.93%	99.92%	

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

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	-576.28	30.44%	TRIP	56.78%	7.91%	20.74%	19.89%
PANNELL3	345	CLAY	345 2	-578.15	30.54%	56.86%	TRIP	7.94%	20.81%	19.96%
STOLE230	230	SHLDN230	230 1	-6.84	11.78%	2.70%	2.71%	TRIP	7.38%	2.13%
ANDOVER1	115	PALMT115	115 1	-10.62	1.59%	0.31%	0.31%	10.20%	2.17%	0.47%
MORTIMER	115	LAWLER-1	115 1	42.70	2.57%	2.66%	2.67%	0.83%	14.22%	4.19%
MORTIMER	115	LAWLER-2	115 1	5.98	2.65%	2.92%	2.92%	0.75%	5.87%	4.72%
PANNELLI	115	FRMGTN-4	115 1	92.94	3.42%	6.50%	6.52%	6.78%	TRIP	16.85%
QUAKER	115	MACDN115	115 1	32.74	0.33%	0.50%	0.51%	0.29%	3.29%	18.74%
S121 B#2	115	SLEIG115	115 1	33.71	2.77%	4.01%	4.01%	1.26%	10.82%	TRIP
STA 162	115	S.PER115	115 1	35.36	-0.37%	2.44%	2.44%	25.34%	4.51%	2.35%
SUB-TOTALS					85.72%	78.90%	78.86%	61.30%	89.81%	89.29%
L33P-L34P				0.00	0.00%	7.38%	7.39%	7.59%	2.29%	3.26%
PJM-NYISO				366.06	14.28%	13.59%	13.61%	30.99%	7.88%	7.40%
TOTALS					100.00%	99.86%	99.86%	99.88%	99.98%	99.94%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element			Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	PORTER-RTRDM	HOPATCONG-RAMPO
COOPC345	345 DOLSON_AVE	345 2	537.87	19.33%	8.20%	18.14%	8.59%	6.93%	5.20%
EDIC	345 N.SCOT77	345 1	565.16	17.28%	TRIP	19.92%	31.72%	19.70%	2.86%
FRASR345	345 GILB 345	345 1	13.47	17.47%	24.83%	TRIP	25.36%	14.91%	3.44%
MARCY T1	345 N.SCOT99	345 1	636.26	18.50%	33.45%	21.46%	TRIP	20.82%	3.06%
MDTN TAP	345 ROCK TAV	345 1	514.89	17.30%	7.73%	16.96%	8.10%	6.52%	4.43%
WALDWICK	345 SMAHWAH1	345 1	53.17	-0.16%	2.06%	1.82%	2.08%	1.75%	29.03%
WALDWICK	345 SMAHWAH2	345 1	-53.17	0.16%	2.03%	1.89%	2.06%	1.73%	28.41%
PORTER 2	230 ROTRDM.2	230 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S
PORTER 2	230 ROTRDM.2	230 2	266.27	5.51%	6.92%	4.20%	6.94%	TRIP	0.86%
MDTN TAP	345 SHOEMTAP	138 1	299.24	2.84%	0.66%	1.67%	0.70%	0.57%	1.07%
SMAHWAH1	345 SMAH138	138 1	-152.85	0.46%	-0.04%	0.11%	-0.03%	-0.03%	-0.76%
HCOR138	138 CORPORATE DR	138 1	-62.05	0.00%	0.00%	0.00%	0.00%	0.00%	0.02%
SMAH138	138 RAMP138	138 1	-95.65	-0.29%	0.03%	-0.06%	0.03%	0.02%	0.71%
E.SPR115	115 INGHAM-E	115 1	-21.09	1.14%	-0.04%	2.18%	-0.02%	1.61%	0.20%
INGMS-CD	115 INGHAM-E	115 1	119.93	0.00%	3.79%	1.18%	3.79%	14.26%	0.37%
NE_PV20_NY	115 CUMBERLAND	115 1	104.25	0.00%	2.88%	1.86%	3.04%	4.47%	0.70%
W.WDB115	115 W.WDBR69	69.0 1	22.00	0.63%	0.55%	1.12%	0.58%	0.56%	0.09%
CLOSTER	69.0 SPARKILL	69.0 1	1.54	0.05%	0.01%	0.03%	0.02%	0.01%	0.00%
HCOR69	69.0 WNYA69	69.0 1	-17.75	0.08%	0.03%	0.05%	0.03%	0.02%	0.00%
MONTVALE	69.0 BLUHILL	69.0 1	2.20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69.0 BLUHILL	69.0 2	2.20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE	69.0 L491T	69.0 1	-33.64	0.06%	0.02%	0.04%	0.02%	0.02%	0.03%
SMAH69	69.0 HILB69	69.0 1	-38.02	-0.36%	-0.05%	-0.16%	-0.06%	-0.05%	0.00%
HCOR34	34.5 PEARL34	34.5 1	-2.57	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS				100.00%	93.05%	92.39%	92.92%	93.84%	79.72%
RAMAPO 5	500 HOPATCONG	500 1	150.04	0.00%	3.71%	3.58%	3.76%	3.17%	TRIP
NEPTCONV	345 NWBRG	345 1	375.53	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COGNTECH	345 G22_VFT345KV	345 1	314.25	0.00%	0.63%	0.79%	0.64%	0.55%	4.08%
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	0.08	0.00%	2.46%	3.07%	2.51%	2.16%	15.88%
TOTALS				100.00%	99.85%	99.83%	99.84%	99.72%	99.68%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element				Base Flow	TRANSFER	LADNTW-BUCHS	PLVLLY-E.FISHK	PLVLLY-MILLW	RAMAPO-BUCHN	ROSETN-E.FISHK
LADENTWN	345 BUCHANAN S	345 1		1136.00	17.80%	TRIP	-3.93%	20.10%	58.11%	29.19%
PLTVLLEY	345 E FISHKILL	345 1		476.70	7.76%	-7.78%	TRIP	23.75%	-0.94%	32.72%
PLTVLLEY	345 E FISHKILL	345 2		476.70	7.76%	-7.78%	65.83%	23.75%	-0.94%	32.72%
PLTVLLEY	345 MILLWOOD	345 1		1051.30	15.50%	14.74%	8.80%	TRIP	4.44%	-10.03%
PLTVLLEY	345 WOOD B	345 1		1079.70	15.32%	14.29%	9.19%	33.80%	4.41%	-9.64%
RAMAPO	345 BUCHANAN N	345 1		950.70	15.87%	44.09%	-0.36%	4.60%	TRIP	16.39%
ROSETON	345 E FISHKILL	345 1		1425.60	17.88%	28.56%	16.16%	-13.38%	21.13%	TRIP
E FISH I	115 E FISHKILL	345 1		-60.60	1.30%	0.23%	2.47%	-0.13%	0.36%	4.10%
E FISH I	115 E FISHKILL	345 2		0.00	0.00%	O/S	O/S	O/S	O/S	O/S
FISHKILL	115 SYLVN115	115 1		139.90	0.81%	0.59%	-0.08%	0.81%	0.33%	0.04%
SUB_TOTALS					100.00%	86.93%	98.09%	93.30%	86.91%	95.49%
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		-1.20	0.00%	9.29%	0.14%	1.44%	8.44%	4.11%
COGNTECH	345 G22_VFT345KV	345 1		313.90	0.00%	2.39%	0.04%	0.37%	2.17%	1.06%
NRTHPT P	138 NRTHPT1	138 1		101.40	0.00%	1.39%	1.74%	4.89%	2.48%	-0.66%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element			Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-W49TH	SPRAIN-TRMNT	LKSUC-JMAICA	VSTR-KMAICA
REAC71	345 MOTT HAVEN	345 3	562.10	29.44%	TRIP	24.80%	6.01%	10.64%	10.20%
REAC72	345 MOTT HAVEN	345 4	548.50	28.74%	57.33%	24.20%	5.86%	10.38%	9.95%
REACM51	345 W 49 ST	345 1	593.40	20.91%	19.10%	TRIP	7.37%	8.11%	8.91%
REACM52	345 W 49 ST	345 2	593.40	20.91%	19.10%	45.72%	7.37%	8.11%	8.91%
SPRAINBROOK	345 ACADEMY	345 1	400.60	0.00%	0.35%	0.56%	TRIP	3.73%	3.89%
SPRAINBROOK	345 TREMONT	345 1	300.70	0.00%	0.29%	0.47%	19.31%	3.11%	3.24%
DUN NO1R	138 S CREEK W	138 1	115.40	0.00%	0.22%	0.19%	10.69%	1.76%	1.81%
DUN NO2R	138 S CREEK E	138 1	115.60	0.00%	0.29%	0.24%	13.70%	2.26%	2.32%
DUN SO1R	138 E179 ST W	138 1	179.90	0.00%	0.41%	0.36%	19.98%	3.29%	3.37%
L SUCSPH	138 JAMAICA	138 1	199.60	0.00%	0.68%	0.67%	4.06%	TRIP	45.95%
V STRM P	138 JAMAICA	138 1	100.00	0.00%	0.68%	0.77%	4.39%	47.72%	TRIP
SUB-TOTALS				100.00%	98.44%	97.97%	98.73%	99.10%	98.53%
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	-1.20	0.00%	1.24%	1.61%	1.01%	0.72%	1.17%
COGNTECH	345 G22_VFT345KV	345 1	313.90	0.00%	0.32%	0.41%	0.26%	0.19%	0.30%
TOTALS				100.00%	100.00%	100.00%	100.01%	100.00%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS							
Monitored Element				Base Flow	TRANSFER	MASSEN-MARCY	MOSES-ADRONB1
MASS 765	765	MARCY765	765 1	1596.13	79.71%	TRIP	70.17%
MOSES W	230	ADRON B1	230 1	179.64	13.01%	28.62%	TRIP
MOSES W	230	ADRON B2	230 1	0.00	0.00%	O/S	O/S
ALCOA-NM	115	BRADY	115 1	18.47	1.16%	2.52%	1.15%
ALLENS F	115	COLTON	115 1	26.04	1.65%	2.11%	1.01%
DENNISON	115	ANDRWS-4	115 1	23.38	2.23%	4.86%	2.22%
DENNISON	115	LWRNCE-B	115 1	22.05	2.23%	4.86%	2.22%
SUB TOTALS					100.00%	42.96%	76.78%
MOSES E	230	ST_LAWR_L33P	230 1	0.00	0.00%	O/S	O/S
MOSES E	230	ST_LAWR_L34P	230 1	0.00	0.00%	41.42%	16.62%
CUMBERLAND	115	NE_PV20_NY	115 1	104.25	0.00%	15.60%	6.60%
TOTALS					100.00%	99.98%	99.99%

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	ALPS34-BERK	CV. 345-LNGMT	EASTOVER-BEARSWAMP
NE_393_NY	345	ALPS345	345 1	-129.99	33.11%	TRIP	37.49%	37.63%
NE_398_NY	345	CKTVLLEY	345 1	-5.61	54.89%	49.10%	TRIP	24.21%
NE_E205W_NY	230	EASTOVER RD	230 1	133.13	8.23%	16.16%	7.94%	TRIP
NE_K7_NY	115	WHITEHAL	115 1	24.17	2.80%	7.80%	2.81%	19.64%
NE_K6_NY	115	HOOSICK	115 1	0.00	0.00%	8.45%	4.21%	9.35%
NE_PV20_NY	115	CUMBERLAND	115 1	-104.25	0.00%	7.21%	5.18%	3.31%
NE_690_NY	69.0	SMITHFLD	69.0 1	1.77	0.97%	1.01%	2.85%	0.58%
NE_601_NY	138	NRTHPT P	138 1	33.51	0.00%	3.19%	12.98%	1.62%
NE_602_NY	138	NRTHPT P	138 2	33.41	0.00%	3.18%	12.95%	1.62%
NE_603_NY	138	NRTHPT P	138 3	33.19	0.00%	3.16%	12.86%	1.61%
SHM DC	138	SHOREHAM2	138 1	329.48	0.00%	0.00%	0.00%	0.00%
TOTALS					100.00%	99.25%	99.26%	99.57%

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element				Base Flow	TRANSFER	BECK-NIAG301	BECK-NIAG302	PA27-NIAGAR	BP76-PACKD2
BECK_#2_H301	345	NIAG 345	345 1	-17.16	33.02%	TRIP	56.43%	31.78%	34.02%
BECK_#2_H302	345	NIAG 345	345 1	-17.16	33.02%	56.43%	TRIP	31.78%	34.02%
BECK_#2_BP76	230	PACKARD2	230 1	51.09	16.24%	16.79%	16.79%	TRIP	25.95%
BECK_#2_PA27	230	NIAGAR2W	230 1	-20.67	17.72%	20.68%	20.68%	29.87%	TRIP
ST_LAWR_L33P	230	MOSES E	230 1	0.00	0.00%	O/S	O/S	O/S	O/S
ST_LAWR_L34P	230	MOSES E	230 1	-0.18	0.00%	2.31%	2.31%	2.10%	2.00%
SUB-TOTALS					100.00%	96.20%	96.20%	95.52%	95.99%
ON-MICH				-0.63	0.00%	3.57%	3.57%	4.21%	3.77%
TOTALS					100.00%	99.77%	99.77%	99.73%	99.76%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFER	HOPATCONG-RAMPO	MAIN-WATER	PIERCE-5MILE	WALDWK-SMAWA	E. TOWD-HILLS	ERIE-SRIPLEY
HOPATCONG 500 RAMAPO 5 500 1	150.04	0.00%	TRIP	10.70%	9.11%	4.45%	10.28%	7.85%
G22_VFT345KV 345 COGNTECH 345 1	314.25	0.00%	4.08%	1.30%	1.11%	0.56%	1.06%	0.97%
MARION 345 B3402 PAR1 345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
MARION 345 C3403 PAR2 345 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
NEPTCONV 345 NWBRG 345 1	375.53	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
26MAINESBURG 345 WATRC345 345 1	12.38	28.52%	4.11%	TRIP	17.87%	0.37%	26.78%	8.01%
26HOMER CY 345 NY_HOMER_WAT 345 Z1	92.68	23.46%	3.17%	-62.21%	13.18%	0.30%	10.89%	7.25%
26MAINESBURG 345 NY_MAINESBUR 345 Z1	-92.23	-23.46%	-3.17%	62.21%	-13.18%	-0.30%	-10.89%	-7.25%
26PIERCEBRK 345 5MILE345 345 1	168.15	23.44%	2.78%	14.21%	TRIP	0.25%	5.46%	31.95%
26HOMER CY 345 NY_HOMER_STO 345 Z1	189.87	14.90%	1.78%	10.20%	-55.00%	0.16%	0.82%	11.47%
26PIERCEBRK 345 NY_PIERCEBRK 345 Z1	-188.37	-14.90%	-1.78%	-10.20%	55.00%	-0.16%	-0.82%	-11.47%
WALDWICK 345 SMAHWAH1 345 1	53.17	-0.09%	29.03%	6.57%	5.52%	90.86%	5.39%	4.82%
WALDWICK 345 SMAHWAH2 345 1	-53.17	0.09%	28.41%	6.18%	5.19%	TRIP	5.06%	4.54%
26E. TWANDA 230 HILSD230 230 1	-7.57	22.67%	4.28%	29.05%	7.45%	0.33%	TRIP	5.57%
26ERIE E REA 230 S RIPLEY 230 1	-1.45	10.46%	1.13%	3.00%	15.07%	0.10%	1.93%	TRIP
LINDEN 230 GOETHALS 230 1	0.08	0.00%	15.88%	5.11%	4.35%	2.18%	4.13%	3.80%
SMAHWAH1 345 SMAH138 138 1	-152.85	0.25%	-0.76%	-0.54%	-0.44%	-3.46%	-0.45%	-0.39%
HCOR138 138 CORPORATE DR 138 1	-62.05	0.00%	0.02%	0.00%	0.00%	0.05%	0.00%	0.00%
SMAH138 138 RAMP138 138 1	-95.65	-0.16%	0.71%	0.36%	0.29%	2.77%	0.30%	0.26%
26E. SAYRE 115 N.WAV115 115 1	-10.92	7.74%	1.42%	8.37%	2.85%	0.11%	23.44%	1.83%
26LAUREL L 115 WESTOVER115 115 1	-71.14	7.16%	1.37%	3.43%	1.26%	0.11%	8.62%	0.94%
26WARREN 115 FALCONER 115 1	0.00	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
CLOSTER 69.0 SPARKILL 69.0 1	1.54	0.02%	0.00%	0.00%	0.00%	0.04%	0.00%	0.00%
HCOR69 69.0 WNYA69 69.0 1	-17.75	0.04%	0.00%	0.00%	0.00%	0.07%	0.00%	0.00%
MONTVALE 69.0 BLUHILL 69.0 1	2.20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE 69.0 BLUHILL 69.0 2	2.20	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MONTVALE 69.0 L491T 69.0 1	-33.64	0.03%	0.03%	0.00%	0.01%	0.12%	0.00%	0.00%
SMAH69 69.0 HILB69 69.0 1	-38.02	-0.19%	0.00%	0.17%	0.14%	0.41%	0.15%	0.12%
HCOR34 34.5 PEARL34 34.5 1	-2.57	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS		100.00%	92.49%	87.93%	69.78%	99.32%	92.13%	70.27%
ON-MICH	-0.63	0.00%	6.72%	11.04%	28.16%	0.61%	7.26%	27.73%
TOTALS		100.00%	99.20%	98.97%	97.94%	99.93%	99.39%	98.00%