

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

SUMMARY OF NET INTERCHANGE SCHEDULES

TO FROM	NYISO	PJM	IESO	ISONE	NB/NS	Trans Énergie	Cross- Sound	Neptune- HVdc	Linden VFT	HTP	NNC Transfer	Other Control Areas	TOTAL EXPORT+ IMPORT-
NYISO		37	0	83	0	-533	-330	-660	-315	-320	-100	120	-2018
PJM	-37		0	0	0	0	0	660	315	320	0	-3633	-2375
IESO	0	0		0	0	-1250	0	0	0	0	0	0	-1250
ISONE	-83	0	0		0	-225	330	0	0	0	100	0	122
NB/NS	0	0	0	0		-600	0	0	0	0	0	0	-600
Trans Énergie	533	0	1250	225	923		0	0	0	0	0	45	2976

APPENDIX A	
SUMMARY OF WINTER 2020-21 BASE TRANSFERS	
NEW BRUNSWICK/NOVA SCOTIA	
New Brunswick to TransÉnergie: Madawaska and Eel River HVdc	-923
New Brunswick to New England	0
Total Export (+) / Import (-)	-923

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

NEW YORK ISO	
New York to TransÉnergie	-533
New York to New England	83
New York to New England: Norwalk Harbor-Northport	-100
New York to New England: Cross-Sound	-330
New York to PJM: NYPA to PA-RECS	75
New York to PJM: Sithe Allegheny	-38
New York to PJM: Non-Firm Energy	0
New York to PJM: Linden VFT	-315
New York to PJM: Neptune HVdc	-660
New York to PJM: HTP	-320
New York to MISO: NYPA to AMP- Ohio	120
New York to IESO (Ontario)	0
Total Export (+) / Import (-)	-2018

APPENDIX A	
SUMMARY OF WINTER 2019-20 BASE TRANSFERS	
IESO (Ontario)	
IESO to TransÉnergie	-1250
IESO to New York	0
IESO to PJM	0
IESO to MISO	0
Total Export (+) / Import (-)	-1250

PJM	
PJM to New York: NYPA to PA-RECS	-75
PJM to New York: Sithe Allegheny	38
PJM to New York: Non Firm Energy	0
PJM to New York: Neptune HVdc	660
PJM to New York: Linden VFT	315
PJM to New York: HTP	320
Miscellaneous Transfers to Other Areas	-3633
Total Export (+) / Import (-)	-2375

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

Appendix B – WINTER 2020-21 BASE CASE CONDITIONS

Winter 2020-21 Conditions

GENERATION FACILITIES (LEVEL OF GENERATION IN CASE)

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

TransÉnergie HVdc CONVERTER SCHEDULES

Chateaugay HVdc	533 MW	In Service
Sandy Pond HVdc	0 MW	Out-of-service
Highgate HVdc	225 MW	In Service
Madawaska HVdc	300 MW	In Service
Eel River HVdc	300 MW	In Service

AREA LOADS & LOSSES

NYISO	24,164 MW
ISO-NE	20,894 MW
IESO (Ontario)	21,973 MW
PJM	44,696 MW

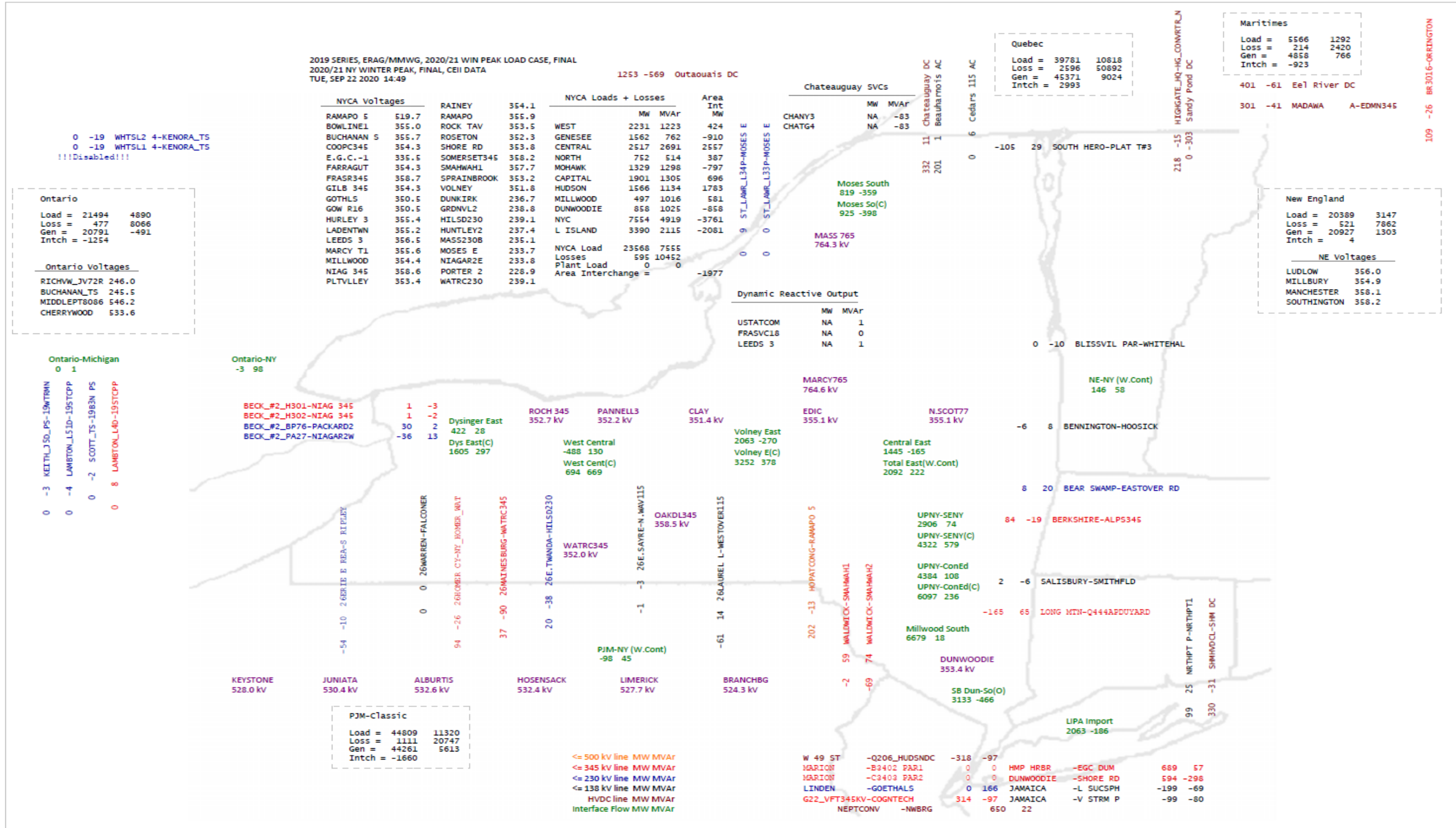
PHASE ANGLE REGULATOR SCHEDULES

Inghams (CD-ED)	120 MW
Sandbar PAR (PV-20)	100 MW
St. Lawrence-Moses L33P	0 MW
St. Lawrence-Moses L34P	0 MW
Norwalk Harbor-Northport	100 MW
Jamaica-Valley Stream	-100 MW
Jamaica-Lake Success	-200 MW
Hudson-Farragut (B3402)	0 MW
Marion-Farragut (C3403)	0 MW
Linden-Goethals	0 MW
Waldwick-Hinchmans	0 MW
Waldwick-Fairlawn	0 MW
Waldwick-Hillsdale	0 MW
Ramapo PAR #1 (+ to NY)	120.3 MW
Ramapo PAR #2 (+ to NY)	120.3 MW

East Garden City #1	340 MW
East Garden City #2	340 MW

Appendix C – POWER FLOW TRANSCRIPTION DIAGRAM

SYSTEM OVERVIEW



Appendix D – RATINGS OF MAJOR TRANSMISSION FACILITIES IN NEW YORK

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ACADEMY_138A_138B_PAR8	PAR8	138	301	360	451	325750	150
ADIRNDCK_230_115_BK1	BK1	115	132	166	172	26697	0
ADIRNDCK-CHASLAKE_230_13	13	230	478	478	634	325233	6
ADIRNDCK-PORTER_230_12	12-AP	230	478	478	634	25082	82
AKRONVIL-N.AKRON_115_107	107	115	222	234	278	326868	27
ALBANY_-GREENBSH_115_1	1	115	304	349	376	25860	120
ALBANY_-GREENBSH_115_2	2	115	304	349	376	25868	120
ALBANY_-TRINITY_115_5	5	115	214	256	317	25861	109
ALBANY_-TRINITY_115_9	9	115	159	178	258	25872	73
ALCOA_-BRADY_115_13	13	115	156	170	181	25230	20
ALCOA_-DENNISON_115_12	12-AD	115	215	235	253	25227	33
ALCOA_PA-ALCOA_115_R8105	R8105	115	263	294	348	25202	53
ALCOA_PA-GRASRIVR_115_MAL4	MAL4	115	267	295	327	326295	100
ALCOA_PA-GRASRIVR_115_MAL5	MAL5	115	267	295	327	326296	100
AMAWALK_-MOHANSIC_115_995 U.G.	995UG	115	88	88	98	26481	9
AMAWALK_-MOHANSIC_115_996 U.G.	996UG	115	107	107	107	26480	11
ANDOVER_-PALMITER_115_157-932	157_932	115	97	117	119	25094	16
ANHRBUSH-LYSANDER_115_9	9	115	234	256	277	326803	5
ARCADE_-MACHIAS_115_167	151	115	156	171	182	326168	16
ASH_-TEMPLE_115_9	9	115	207	233	233	26062	2
ASHLEYRD-MASONCR_115_909	909	115	189	207	221	25847	18
ASHLEYRD-PLATSBRG_115_700	700	115	223	237	259	25845	29
ASTANNEX_138A_138B_PAR1	PAR1	138	415	477	544	325848	0
ASTANNEX-ASTORIAE_138_34091	34091	138	288	318	346	325849	0
ASTANNEX-E13THSTA_345_Q35L	Q35L	345	415	639	1595	25134	153
ASTANNEX-E13THSTA_345_Q35M	Q35M	345	415	639	1595	25142	145
ASTENRG2-ASTANNEX_345_G13	G13	345	950	1050	1150	325744	20
ASTORIAE-ASTORIA3_138_34123	34123	138	299	335	400	25876	0
ASTORIAE-CORONA_138_34181	34181	138	195	249	378	25277	76
ASTORIAE-CORONA_138_34182	34182	138	195	249	378	25278	73
ASTORIAE-CORONA_138_34183	34183	138	195	249	378	25279	76
ASTORIAE-CORONA_138_34184	34184	138	195	249	378	25280	71
ASTORIAE-CORONA_138_34185	34185	138	195	249	378	25281	67
ASTORIAE-CORONA_138_34186	34186	138	195	249	378	25282	68
ASTORIAW-QUENBRDG_138_28241	28241	138	195	249	378	25315	77
ASTORIAW-QUENBRDG_138_28242	28242	138	195	249	378	25316	79
ASTORIAW-QUENBRDG_138_28243	28243	138	391	499	688	25317	144

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
ASTORIAW-QUENBRDG_138_28244	28244	138	413	557	688	25318	166
ATHENS_-PLSNTVLY_345_91	91	345	1624	1783	1946	25054	720
AYERREND-TNWD206_115_36	36	115	211	211	212	326367	40
AYERREND-TNWD206_115_37	37	115	206	206	206	326370	40
BAGATLRD-PILGRIM_138_564	564	138	566	611	672	325607	29
BAKER_ST-FALCONER_115_160	160-3	115	222	234	239	26513	12
BALLSTON-TAPBLSTN_115_43	43	115	268	293	317	325896	23
BALLSTON-TAPBLSTN_115_44	44	115	268	293	317	325897	35
BARRETT_138_69_BK 1	BK 1	138	127	156	156	26600	0
BARRETT_138A_138B_PAR	B_PAR	138	267	272	326	25590	145
BARRETT_-FREEMPORT_138_459	459	138	192	272	326	26425	145
BATAVIA_-EBATAVIA_115_107	107	115	159	159	159	326099	12
BATAVIA_-SEBATAVIA_115_117	117	115	239	239	239	26017	24
BATH_____-MONTRFL_115_965	965	115	146	149	149	26163	8
BATH_____-SPENCHIL_115_723	723	115	221	241	261	325797	28
BATNKILL-SCHAGCKT_115_310	310	115	227	248	268	26474	4
BEAR SWP-EASTOVER_230_E205W	E205W	230	536	586	634	25030	9
BECK_____-NIAGARA_230_PA27	PA27	230	480	540	685	25025	36
BECK_____-NIAGARA_345_PA301	PA301	345	1180	1469	1860	25040	1
BECK_____-NIAGARA_345_PA302	PA302	345	1180	1469	1860	25041	1
BECK_____-PACKARD_230_BP76	BP76	230	582	687	713	25024	30
BELMONT_-HOPKINS_115_13	13	115	270	297	324	326806	27
BELMONT_-WOODARD_115_4	4	115	190	208	221	326805	51
BENETTRD-E_DUNKRK_115_161	161-3	115	213	225	242	326231	15
BENETTRD-E_DUNKRK_115_162	161-3	115	213	225	242	326233	13
BENNETT_-MORAIN_115_725	725	115	149	172	179	325858	29
BENNETT_-SPENCHIL_115_953	953	115	221	241	261	26164	10
BERKSHIR-ALPS_____345_393	393	345	1792	1883	1912	25034	84
BERRY_RD-W.ASHVLE_115_160	160-2	115	245	257	282	26512	7
BETHLHEM-ALBANY____115_18	18-BA	115	388	427	474	26119	92
BETHLMRD-ROCKTVRN_115_RD	RD	115	152	167	176	326346	31
BIGTREE_-DAVIS_RD_115_904	904	115	179	197	213	25162	14
BIGTREE_-LANGNERD_115_903	903	115	206	227	252	326050	48
BLACKRVR-CLIMAX____115_1	1-BC	115	141	144	159	26067	27
BLACKRVR-EWATRTWN_115_5	5	115	141	144	159	325771	18
BLACKRVR-FORTDRUM_115_2	2-BF	115	141	144	159	26068	16
BLACKRVR-GLENPARK_115_3	3	115	119	119	119	325315	30
BLACKRVR-MIDDLERD_115_8	6	115	141	144	165	326703	29
BLISSVIL-WHITEHAL_115_K7	K7	115	239	239	239	25028	0
BLUESTOR-LAFARGE_115_8	8	115	141	144	159	326091	27
BLUESTOR-PLSTVYCH_115_13-987	13-987	115	168	187	216	25505	50

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BLUESTOR-PLSTVYCH_115_8	8	115	141	144	159	25498	25
BNNINGTN-HOOSICK_115_K6	K6	115	229	274	292	25029	6
BNVLMUNI-PORTER_115_2	2	115	124	124	124	325778	24
BOONVLE-BNVLMUNI_115_2	2	115	124	124	124	26073	1
BOONVLE-PORTER_115_1	1-BP	115	127	127	127	26074	22
BOONVLE-ROME_115_3	3	115	141	144	159	26071	30
BOONVLE-ROME_115_4	4	115	128	135	152	26072	36
BORDRCTY-GUARDIAN_115_969	969	115	179	179	179	325283	78
BOWLINE_345_138_BK455	BK455	345	506	587	671	25664	138
BOWLINE_-WHAVSTRW_345_67-1	67-1	345	777	837	837	25567	0
BOWLINOR-CONGERS_138_561	561	138	378	414	431	26723	102
BRADY_-NOGDNBRG_115_13	13	115	245	260	282	326348	15
BRIGHAM_-LUDLUM_115_161	161-2	115	213	225	242	26020	27
BRISTLHL-CLAY_115_4	4	115	135	135	135	25518	29
BRISTLHL-WHITAKER_115_4	4	115	128	134	152	25512	44
BROOK_RD-SMITHBRD_115_2	2	115	282	288	318	325901	24
BROOK_RD-SMITHBRD_115_302	302	115	268	292	317	325902	16
BROOK_RD-TAPBROOK_115_2	2	115	282	288	318	325899	51
BROOK_RD-TAPBROOK_115_302	302	115	268	292	317	325900	30
BROOKHVN_138_69_BK 1	BK 1	138	258	318	383	26548	80
BROOKHVN_138_69_BK 2	BK 2	138	258	318	424	325152	74
BROOKHVN-EDWARDAV_138_864	864	138	276	436	597	25553	98
BROOKHVN-SILLSRD_138_874	874	138	529	590	669	325617	84
BROOKHVN-SILLSRD_138_887	887	138	529	591	669	325619	84
BROOKHVN-WILDWOOD_138_861	861	138	521	583	660	325932	84
BROWNFLS-HIGLEY_115_1	1-BH	115	130	144	159	26078	16
BROWNFLS-TAYLORVL_115_3	3-BT	115	130	144	154	26076	21
BROWNFLS-TAYLORVL_115_4	4-BT	115	128	135	152	26077	21
BUCHAN_N_345_138_BK TA5	BK TA5	345	230	306	381	25425	79
BUCHAN_N-BUCHANAN_138_95891	95891	138	249	296	384	25568	79
BUCHAN_N-EASTVIEW_345_W93	W93	345	1823	2015	2557	25133	843
BUCHAN_S-MILLWOOD_345_W97	W97	345	1840	1973	2154	25146	518
BUCHAN_S-MILLWOOD_345_W98	W98	345	1840	1973	2154	25247	518
BUCHANAN-MILLWOOD_138_96951	96951	138	291	322	408	25283	16
BUCHANAN-MILLWOOD_138_96952	96952	138	291	322	408	25284	16
BUFAL129-MAPLE140_115_38	38	115	176	181	209	326159	62
BUFAL129-MAPLE140_115_39	39	115	176	181	209	326160	61
BUFALO54-BUFALO61_115_38	38	115	227	249	268	326155	48
BUFALO54-BUFALO61_115_39	39	115	211	217	255	326156	47
BUFALO61-URBAN154_115_38	38	115	211	217	255	326153	45
BUFALO61-URBAN154_115_39	39	115	211	217	255	326154	44

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
BUFALO78-HUNTLEY__115_130	130	115	211	217	239	26043	80
BUFALO78-YOUNG214__115_133	133	115	211	217	242	326290	93
BULYMO__-BOONVLE__115_6	6	115	140	144	144	325265	27
BURDECK_-ALTAMONT__115_17	17-BA	115	141	144	165	26151	31
BURDECK_-VORHVSLE__115_19	19-BV	115	141	144	165	26152	23
BURGOYNE-WHITEHAL__115_6	6	115	132	132	132	326308	16
BURNS___138_69_BK 519	BK 519	138	208	258	284	25889	45
BURNS___-N.HEMPST__138_531	531	138	282	309	321	25878	18
BURNS___-WHAIVSTOR__138_541	541	138	282	309	321	25879	68
BUTLER___-MOHICAN__115_18	18	115	141	144	165	26434	26
C._ISLIP__138_69_BK 3	BK 3	138	259	304	319	26519	76
C._ISLIP-RONKOKMA__138_883	883	138	434	584	662	26497	19
CALSPAN_-DEPEW___115_54-921	54-921	115	168	212	239	326276	28
CALSPAN_-NBRDWYNG__115_181-922	181-922	115	179	197	211	326951	80
CANAL___-RIVRHEAD__138_910	910	138	242	282	313	325242	104
CANANDGA-STONYRDG__230_68	68	230	600	625	653	25176	71
CARMEL___-UNIONVAL__115_991	991	115	239	239	239	26155	65
CARMEL___-WOODSTNY__115_992	992	115	260	286	302	325278	47
CARR_ST_-DEWITT___115_15	15-CD	115	227	249	268	26093	19
CARR_ST_-SALCARBM__115_6	6	115	227	249	268	325216	73
CARRSCRN-SALAMANC__115_153	153	115	156	170	181	326163	6
CARRSCRN-SALAMANC__115_154	154	115	156	170	181	326165	9
CASTLEGD-FULLRHLW__115_937	937	115	299	335	358	325222	9
CATON___-HILLSIDE__115_960	960	115	120	120	120	325290	28
CAVANARD-PORTER___115_7	7	115	141	144	159	325214	46
CEDAR___-BURGOYNE__115_6	6	115	141	144	165	26516	29
CEDARS___-ROSEMNTA__115_1/11	43770	115	156	170	181	26083	2
CEDARS___-ROSEMNTB__115_2/22	44593	115	156	170	181	26082	2
CENTERST-MAPLEAVE__115_22	22	115	152	153	153	327076	6
CENTERST-STONER___115_9	9	115	128	135	152	327078	10
CHADWICK-E.WALDEN__115_DW	DW-3	115	220	234	256	26218	71
CHADWICK-WBALMVLE__115_DW	DW-2	115	220	234	256	26217	44
CHASLAKE-PORTER___230_11	11	230	511	564	586	25051	101
CHATEAUG-CHAT_TAP__115_911	911	115	44	45	49	325705	12
CHATGUAY-MASSENA__765_7040	7040	765	5300	6254	6625	25301	533
CHEMUNG_-NWAVERLY__115_962	962	115	187	210	230	325289	29
CHESTROR-SUGRLOAF__138_271	271	138	282	309	321	325424	31
CHRCHTWN-BLUESTOR__115_13-987	13	115	179	179	179	26685	60
CHRCHTWN-CRARYVIL__115_984	984	115	138	167	179	26500	8
CHRCHTWN-FALLSPRK__115_11-731	13	115	199	199	199	326939	68
CHURCH_S-ROTTDAM__115_12	12	115	121	121	121	327080	26

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
CLAY___345_115_BK 1	BK 1	345	560	718	796	25387	238
CLAY___345_115_BK 2	BK 2	345	590	764	796	25421	238
CLAY___-COLAMCRS_115_5	5	115	267	293	317	25522	46
CLAY___-DEWITT___115_3	3-CD	115	141	144	165	25519	78
CLAY___-DEWITT___345_13	13	345	1431	1605	1721	25168	520
CLAY___-EDIC___345_1-16	43846	345	1591	1745	1904	25200	320
CLAY___-EDIC___345_2-15	43876	345	1591	1745	1904	25169	321
CLAY___-EUCLID___115_11	11	115	268	292	317	25516	102
CLAY___-EUCLID___115_17	17	115	268	293	317	25515	89
CLAY___-INDPDNCE_345_26	26	345	1918	2115	2390	25858	875
CLAY___-TEALLAVE_115_10	10-CT	115	141	144	165	25520	97
CLEARWTR-ANHRBUSH_115_9	9	115	234	256	277	326798	77
CLIMAX_-TAYLORVL_115_8	8-CT	115	128	135	152	26431	20
CLINTON_-IMC_TAP___115_15	15-CI	115	141	144	165	26128	12
CLRKSCRN_345_115_BK1	BK1	345	280	313	336	325724	88
CLRKSCRN_345_115_BK2	BK2	345	280	313	336	325725	88
CLRKSCRN-OAKDALE_345_36	36	345	1279	1410	1781	325726	541
CLYDE___115_34_TR1	TR1	115	152	166	175	25221	19
CLYDE___-STATE_ST_115_3-971	971	115	145	159	159	68810	9
COBBLENM-COBBLENY_115_BK 1	BK 1	115	45	47	53	25426	9
COBBLENM-SPRINGVL_115_151	151	115	156	171	182	326166	28
COBBLENM-SPRINGVL_115_152	152	115	156	171	182	326170	23
CODNIGTN-E.ITHACA_115_981	981-1	115	133	149	162	25730	19
CODNIGTN-ETNA___115_998	998	115	266	293	299	25734	24
COFFEEN_-EWATRTWN_115_5	5	115	119	119	119	325769	15
COFFEEN_-GLENPARK_115_3	3-CG	115	110	110	110	26069	57
COLAMCRS-DUGUID___115_5	5	115	267	293	317	326819	37
COLDENHM-ROCKTVRN_115_J	J	115	256	282	349	26420	45
COLDSPRG-CARRSCRN_115_905	905	115	36	40	42	26440	11
COLLIERS-RICHFELD_115_929	929	115	149	172	215	26169	3
COLTON___-FLATROCK_115_2	2-CF	115	139	144	144	26088	16
COLTON___-HIGLEY___115_1	1-HC	115	156	156	156	26087	15
COLTON___-LITTLRIV_115_7	7	115	81	81	81	26086	8
COLTON___-TOWNLIN_115_9	9	115	109	109	109	325641	23
COMSTKNM-BURGOYNE_115_13	13-MW	115	141	144	159	26484	25
CONGERS_-SNKEHLRD_138_563	563	138	378	414	431	25887	75
COOPERNY-FERNDAL_115_950	950	115	179	179	179	26171	44
COOPERNY-ROCKHILL_115_957	957	115	168	185	200	325614	29
COOPERS_345_115_BK 2	BK 2	345	256	295	300	25433	55
COOPERS_345_115_BK 3	BK 3	345	256	295	300	25434	56
COOPERS_-DOLSONAV_345_CCDA42	CCDA42	345	1793	1793	1793	25111	227

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
COOPERS_-MIDDLETP_345_CMT-34	CMT-34	345	1786	1793	1793	25110	470
CORNING_-MCADOO__115_4	4	115	156	171	182	326380	8
CORONA__138A_138B_BK R1	B_BK R1	138	214	285	354	25621	45
CORONA__138A_138C_BK R2	C_BK R2	138	214	285	354	25622	45
CORONA_-JAMAICA_138_18001	18001	138	168	225	368	25285	45
CORONA_-JAMAICA_138_18002	18002	138	168	225	368	25286	45
CORONA_-RAINEY__138_36187	36187	138	327	417	537	326894	45
CORPDRIV-HARNGCRN_138_703	703	138	189	222	250	25881	34
CORTLAND-LABDELFE_115_3	3	115	152	166	175	325248	6
CORTLAND-TULLERHL_115_1-716	1	115	156	170	181	25059	10
CORTLAND-TULLYCTR_115_18	18	115	224	239	239	26089	45
CRICKVLY-PLSNTVLY_345_F83	F83	345	1414	1549	1796	326887	401
CRICKVLY-PLSNTVLY_345_F84	F84	345	1533	2045	2242	326888	522
CROUSEHD-HOPKINS__115_13	13	115	268	293	317	326783	15
CURRY_RD-LINE8TAP_115_8	8	115	141	144	165	26254	12
CURTIS_-LYSANDER_115_13	13	115	219	219	219	326782	64
CURTPALM-EJWEST__115_9	9	115	156	170	181	326146	12
DALEROAD-GARDNVLB_115_39	39	115	211	216	242	26036	39
DANSKAMR-CHADWICK_115_DW	DW-1	115	265	290	315	26219	26
DANSKAMR-MARLBORO_115_DB	DB	115	227	249	269	26221	5
DANSKAMR-NCHELSEA_115_AC	AC	115	216	231	334	25829	25
DANSKAMR-NCHELSEA_115_DC	DC	115	200	217	334	25830	26
DANSKAMR-RYND5_HL_115_DR	DR	115	237	282	315	25831	29
DAVIS_RD-STOLLERD_115_927	927	115	238	239	239	26172	3
DEBALSO_-WALESVIL_115_3	3	115	156	170	181	326704	16
DEKALB_-BATTHILL_115_4	4	115	93	101	106	326398	15
DELEMTER-LAKEVIEU_115_141	141	115	107	117	123	325873	19
DELEMTER-LAKEVIEU_115_142	142	115	107	117	123	325880	29
DELHI__-DELHI_TP_115_951	951	115	164	164	164	26174	99
DELHI__-GR.GORGE_115_916	916	115	90	90	90	26479	19
DELHI__-VINGR_TP_115_917_916	917-916	115	120	120	120	25911	41
DELHI_TP-COLLIERS_115_951	951-2	115	239	239	239	26203	39
DENNISON-LAWRNCAV_115_5	5	115	268	293	317	25226	15
DENNISON-NORFOLK__115_4	4	115	268	293	317	25225	17
DENNISON-ROSEMNTA_115_1/11	1-RD	115	265	265	317	25523	2
DENNISON-ROSEMNTB_115_2/22	2-RD	115	215	235	253	25524	2
DEPEW_NG-ERIE_ST__115_54-921	54-921	115	145	160	178	26010	21
DEPEW_TP-DEPEW__115_BK 1	BK 1	115	120	120	120	25428	7
DEWITT__345_115_BK 2	BK 2	345	619	758	796	25418	207
DEWITT_-TEALLAVE_115_4	4-DT	115	141	144	165	26094	37
DOLSONAV-ROCKTVRN_345_DART44	DART-44	345	1793	2115	2390	326310	855

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
DUGUID_-DEWITT___115_5	5	115	245	260	282	326736	15
DULEY___-PATNODE___230_PND-1	PND-1	230	506	564	589	325856	1
DULEY___-PLATSBRG___230_DP-1	DP-1	230	292	320	356	25272	0
DUNKIRK___230_115_BK 31	BK 31	230	173	234	250	25386	49
DUNKIRK___230_115_BK 41	BK 41	230	166	226	250	25430	49
DUNKIRK_-BERRY_RD_115_160	160-1	115	239	239	239	26025	41
DUNKIRK_-BRIGHAM___115_161	161-1	115	211	217	239	26021	31
DUNKIRK_-BRIGHAM___115_162	162-1	115	211	217	239	26027	23
DUNKIRK_-SILVRCK___115_141	141	115	107	117	123	26026	5
DUNKIRK_-SILVRCK___115_142	142	115	107	117	123	26018	5
DUNWODIE_138_138_BK N1	BK N1	138	376	428	500	25624	115
DUNWODIE_138_138_BK N2	BK N2	138	223	312	400	25623	115
DUNWODIE_138_138_BK S1	BK S1	138	443	585	600	25626	180
DUNWODIE-DUNWOODN_345_W74	W74	345	490	575	667	326212	250
DUNWODIE-DUNWOODS_345_W73	W73	345	386	454	511	326211	203
DUNWODIE-E179THST_138_99153	99153	138	269	370	651	25287	180
DUNWODIE-MOTTHAVN_345_71	71	345	741	858	1309	25151	417
DUNWODIE-MOTTHAVN_345_72	72	345	741	858	1309	25191	407
DUNWODIE-SHERMCRK_138_99031	99031	138	154	196	308	25193	115
DUNWODIE-SHERMCRK_138_99032	99032	138	219	307	421	25239	115
DUNWODIE-SHORE_RD_345_Y50	Y50	345	677	913	1563	25091	594
DUNWOODN_345_138_BK N1	BK N1	345	490	575	667	25209	250
DUNWOODS_345_138_BK S1	BK S1	345	386	454	511	25208	203
DUNWOODS-DUNWOODN_138_99997	99997	138	245	293	342	25532	4
E.ITHACA-ETNA___115_981	981	115	133	149	162	25733	57
E.SAYRE_-NWAVERLY_115_956	956	115	128	128	147	25013	1
E.TWANDA-HILLSIDE_230_70	70	230	539	594	670	25014	21
E.WALDEN_115_69_TR_3	TR_3	115	67	81	91	26681	13
E.WALDEN-COLDENHM_115_CW	CW	115	256	282	349	26225	17
E.WALDEN-MODENA___115_EM	EM	115	285	310	349	25832	6
E.WALDEN-ROCKTVRN_115_D	D	115	256	282	350	26226	86
E_DUNKRK-LAONA___115_161	161	115	107	117	123	326232	2
E_DUNKRK-LAONA___115_162	162	115	107	117	123	326234	3
E13THSTA_345_138_BK 12	BK 12	138	322	363	410	25463	72
E13THSTA_345_138_BK 15	BK 15	138	284	297	315	25466	76
E13THSTA_345_138_BK 16	BK 16	138	318	372	495	25469	71
E13THSTA-EASTRIVR_138_37041	37041	138	178	257	443	326190	10
E13THSTA-EASTRIVR_138_37042	37042	138	178	257	443	326191	0
E13THSTA-EASTRIVR_138_37043	37043	138	178	257	443	326192	10
E13THSTA-EASTRIVR_138_37044	37044	138	178	257	443	326193	10
E13THSTA-EASTRIVR_69__44372	44372	138	129	157	206	326195	0

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
E13THSTA-FARRAGUT_345_45	45	345	773	944	1347	25190	109
E13THSTA-FARRAGUT_345_46	46	345	786	955	1353	25251	112
E13THSTA-FARRAGUT_345_48	48	345	692	832	1288	25252	10
E13THSTA-FARRAGUT_345_B47	B47	345	537	731	1157	25177	19
E179THST-HELLGT_E_138_15053	15053	138	187	244	374	25289	124
E179THST-HELLGT_E_138_15054	15054	138	187	244	374	25290	124
E179THST-HELLTP_W_138_15055	15055	138	242	321	400	25288	282
E179THST-PARKCHTR_138_38X01	38X01	138	191	305	512	25327	50
E179THST-PARKCHTR_138_38X02	38X02	138	191	305	512	25328	50
E179THST-PARKCHTR_138_38X03	38X03	138	191	305	512	25329	33
E179THST-PARKCHTR_138_38X04	38X04	138	191	305	512	25330	33
EASTOVER_230_115_BK1	TR 1	230	466	579	666	326097	31
EASTRIVR_138_69_BK 111	BK 111	138	91	121	142	25526	10
EASTRIVR_138_69_BK 113	BK 113	138	91	121	142	25528	10
EASTRIVR_138_69_BK 114	BK 114	138	91	121	142	25529	10
EASTVIEW_345_138_BK 1N	BK 1N	138	438	493	493	25472	103
EASTVIEW_345_138_BK 2N	BK 2N	138	438	493	493	25471	102
EASTVIEW_345_138_BK 2S	BK 2S	138	438	493	493	25470	103
EASTVIEW-SPRNBK_345_W64	W64	345	2430	2823	3357	25143	738
EASTVIEW-SPRNBK_345_W65	W65	345	1976	2387	2897	25144	747
EASTVIEW-SPRNBK_345_W78	W78	345	2430	2823	3357	25346	704
EASTVIEW-SPRNBK_345_W79	W79	345	1976	2387	2897	25153	707
EBATAVIA-NO.LEROY_115_119	119	115	169	185	196	26012	25
ECWABALP-FRNKYONG_115_181-922	181-922	115	211	217	255	326871	97
EDIC___-FRASER___345_EF24-40	EF24-40	345	1793	1793	1793	25112	511
EDIC___-N.SCTLND_345_14	14	345	1624	1783	1912	25170	452
EDIC_PTR_230_115_BK 1P	BK 1P	230	320	365	398	25389	45
EDIC_PTR_230_115_BK 2P	BK 2P	230	320	365	398	25423	45
EDIC_PTR_345_115_BK 3E	BK 3E	345	524	602	760	25424	171
EDIC_PTR_345_115_BK 4E	BK 4E	345	603	721	796	25454	171
EDIC_PTR_345_230_BK 2E	BK 2E	230	551	626	758	25422	231
EDWARDAV-RIVRHEAD_138_893	893	138	276	347	378	325654	82
EELPOTRD-MEYER___115_724	968	115	143	157	167	325288	15
EFISHKCH_345_115_BK 1	BK 1	345	505	531	531	25724	141
EFISHKIL-WOOD_ST___345_F38	F38	345	2409	2679	3406	25367	852
EFISHKIL-WOOD_ST___345_F39	F39	345	2409	2679	3406	25368	928
EGRDNCTY_138_69_BK 1	BK 1	138	258	304	338	26652	93
EGRDNCTY_345_138_AT1	BK 1	345	428	556	641	25551	343
EGRDNCTY_345_138_AT2	BK 2	345	428	556	641	25552	343
EGRDNCTY_345C_345A_PAR1	A_PAR1	345	428	812	855	25678	343
EGRDNCTY_345C_345B_PAR2	B_PAR2	345	428	812	855	25679	343

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
EGRDNCTY-CARLPLCE_138_361	361	138	310	340	371	25533	17
EGRDNCTY-EGRDNCTR_345_Y49_ST	Y49_ST	345	693	940	1360	325158	687
EGRDNCTY-NEWBRDGE_138_462	462	138	188	276	457	25303	109
EGRDNCTY-NEWBRDGE_138_463	463	138	205	294	416	25304	109
EGRDNCTY-NEWBRDGE_138_465	465	138	213	301	421	25535	112
EGRDNCTY-ROSLYN__138_362	362	138	287	314	337	25534	7
EJWEST__SCOFDRD_115_9	9	115	245	260	282	326147	37
EKINGSTN-RHINEBCK_115_ER	ER	115	219	232	255	26222	35
ELBRIDGE_345_115_BK 1	BK 1	345	542	621	796	25448	283
ELBRIDGE-GRS_LOCK_115_19	19-EG	115	141	144	165	26097	5
ELBRIDGE-GRS_LOCK_115_3	3	115	176	176	176	26098	4
ELBRIDGE-HYATT___115_10-979	15-EH	115	156	171	182	25109	49
ELBRIDGE-LAFAYTTE_345_17-LE	17-LE	345	940	1562	1912	25149	416
ELBRIDGE-LAKELAND_115_4	4	115	190	208	221	325316	27
ELBRIDGE-MILTON_C_115_18	18-EM	115	156	159	159	26095	2
ELBRIDGE-STATE_ST_115_5-972	5_972	115	299	343	358	25107	94
ELBRIDGE-STATE_ST_115_6-710	6-710	115	297	306	337	326377	69
ELM_ST__-SENECA__230_71	71	230	223	254	262	26426	11
ELM_ST__-SENECA__230_72	72	230	223	254	262	26427	11
ELWOOD___138_69__BK 3	BK3	138	129	156	203	26540	31
ENDICOTT-RANGEHL__115_920	920	115	149	149	149	26158	18
ENDICOTT-ROBBLEAV_115_948	948	115	254	254	254	26159	35
ENORWICH-CTYLINE__115_918	918	115	120	120	120	325280	44
ENORWICH-JENNISON_115_946	946	115	117	136	153	25729	44
ERIE E__-S.RIPLEY_230_69	69	230	587	637	637	25016	54
ERIE_ST__-PAVMNTRD_115_926	926	115	252	277	308	26175	29
ETNA___-CLRKSCRN_115_715	715	115	304	313	345	325728	82
ETNA___-CLRKSCRN_115_947	947	115	292	313	345	325727	82
ETNA___-WILLET___115_945	945-2	115	149	171	179	25731	72
EUCLID__-HOPKINS__115_11	11	115	268	292	317	326784	83
EUCLID__-WOODARD__115_17	17	115	268	293	317	326785	71
EVERETRD-MENANDS__115_10	10	115	223	235	240	326642	77
FAGEDARY-CENTERST_115_9	9	115	128	135	152	327077	22
FAIRFIEL-INGHAM_C_115_3	3	115	141	144	159	26106	62
FAIRPORT-ELBRIDGE_115_2	2	115	176	181	209	26099	29
FAIRPORT-HOOK_TAP_115_1	1	115	176	181	183	26327	6
FALCONER-SOUTHADOW_115_153	153	115	156	171	182	26033	1
FALCONER-SOUTHADOW_115_154	154	115	156	171	182	26032	9
FARMGTN__115_12__BK 3	BK 3	115	26	32	44	325380	9
FARMGTN__115_34__BK 1	BK 1	115	72	82	112	70259	33
FARMGTN__115_34__BK 2	BK 2	115	64	74	100	70258	9

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FARMGTN_-BORDRCTY_115_4-977	977	115	187	206	219	25057	65
FARMGTN_-HAMLTNNM_115_7-983	7-983	115	146	146	146	26101	41
FARRAGUT_345A_138A_BK 1Y	BK 1Y	138	198	246	266	325083	136
FARRAGUT_345A_138A_BK 2X	BK 2X	138	121	145	155	325084	64
FARRAGUT_345A_138A_BK 3X	BK 3X	138	121	145	156	325086	86
FARRAGUT_345A_138A_BK 3Y	BK 3Y	138	220	255	275	325087	137
FARRAGUT_345A_138A_BK 4X	BK 4X	138	121	145	155	325088	84
FARRAGUT_345A_138A_BK 4Y	BK 4Y	138	224	241	260	325089	136
FARRAGUT_345A_138A_BK 5X	BK 5X	138	121	128	132	25635	84
FARRAGUT_345A_138A_BK 5Y	BK 5Y	138	211	230	235	325081	43
FARRAGUT_345A_138A_BK 6X	BK 6X	138	121	145	156	325090	63
FARRAGUT_345A_138A_BK 6Y	BK 6Y	138	199	254	275	325091	137
FARRAGUT_345A_138C_BK 9X	BK 9X	345	130	174	216	25636	42
FARRAGUT_345A_138D_BK 10X	BK 10X	345	130	174	216	25637	42
FARRAGUT_345B_345A_TR11	TR11	345	543	737	930	25044	0
FARRAGUT_345C_345A_TR12	TR12	345	549	748	930	25043	0
FARRAGUT-GOWANUS_345_41	41	345	724	899	1356	25141	46
FARRAGUT-GOWANUS_345_42	42	345	724	899	1356	25140	46
FARRAGUT-HUDS_AVE_138_32077	32077	138	130	174	216	25291	42
FARRAGUT-HUDS_AVE_138_32711	32711	138	129	154	167	25293	42
FARRAGUT-PLYMTHST_138_32072	32072	138	121	145	155	326588	64
FARRAGUT-PLYMTHST_138_32076	32076	138	121	145	156	326589	63
FARRAGUT-PLYMTHST_138_32078	32078	138	129	154	168	25292	42
FARRAGUT-WATERSTR_138_32073	32073	138	121	145	156	326582	86
FARRAGUT-WATERSTR_138_32074	32074	138	121	145	155	326583	84
FARRAGUT-WATERSTR_138_32075	32075	138	121	128	132	326584	84
FENERWND-WHITMAN_115_8	8	115	224	239	239	326865	13
FERNDAL-EEWDBURNY_115_959	959	115	90	90	90	26180	18
FEURABSH-GREENBSH_115_17	17	115	222	234	278	25862	28
FEURABSH-NCATSKLL_115_2	2-FN	115	141	144	165	25067	64
FISHKPLN-EFISHKIL_115_HF	HF	115	243	267	293	26227	67
FISHKPLN-SYLVANLK_115_FP/990	FP/990	115	238	239	239	25066	91
FITZPTRK-EDIC___345_FE-1	FE-1	345	1434	1434	1661	25077	617
FIVE_MIL-VALLEY44_115_152	152	115	156	171	182	326174	8
FIVE_MIL-VALLEY44_115_167	167	115	156	171	182	326173	0
FIVEMILE_345_115_TR1	TR1	345	597	597	597	326175	59
FIVEMILE-STOLLERD_345_29	29	345	754	840	840	326176	5
FLATROCK-BROWNFLS_115_2	2-FBF	115	130	144	159	26079	17
FLATSTR_-EELPOTRD_115_722	968	115	143	157	167	325287	1
FORGEBRK-MERTPARK_115_WF	WF	115	225	251	282	26229	4
FORTDRUM-DEFERIET_115_2-FD	2-FD	115	141	144	165	26091	11

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
FORTDRUM-TAYLORVL_115_2	2-DT	115	128	135	152	26090	4
FOXHILLS-WILLWBRK_138_29211	29211-1	138	207	275	450	25771	144
FOXHILLS-WILLWBRK_138_29212	29212-1	138	207	275	450	25772	145
FRASANX-COOPERS_345_UCC2-41	UCC2-41	345	1793	1793	1793	326221	432
FRASER_345_115_BK 2	BK 2	345	356	420	420	25391	139
FRASER_-COOPERS_345_33	33	345	1793	1793	1793	25236	377
FRASER_-GILBOA_345_GF5-35	GF5-35	345	1746	1793	1793	25060	25
FRASERNY-DELHI_TP_115_951	951-3	115	239	239	239	26202	138
FREPORT-NEWBRDGE_138_461	461	138	218	284	406	25155	193
FRESHKLS_138C_138A_R1_21191	21191	138	371	429	483	25639	202
FRESHKLS_138C_138B_R2_21192	21192	138	348	426	483	25640	198
FRESHKLS_345_138_TA 1	TA 1	138	371	429	483	25457	203
FRESHKLS_345_138_TB 1	TB 1	138	348	426	483	25458	199
FRNKYONG-CALSPAN_115_181-922	181-922	115	179	197	211	326277	82
FRNKYONG-WALDENNG_115_182	182	115	211	217	242	326279	77
FRONT_ST-ROSA_RD_115_11	11	115	239	239	239	26274	62
FTZPK_NM-LIGHTHSE_115_3	3-FLH	115	119	119	159	25502	23
FULLRHVL-MORGANRD_115_937	937	115	239	239	239	325223	1
GARDNVLA-GIRDLERD_115_705	705	115	239	239	239	25116	42
GARDNVLA-LANGNERD_115_903	903	115	239	239	239	325284	61
GARDNVLA-STOLLERD_230_66	66	230	613	673	765	25180	150
GARDNVLB_230_115_BK 2	BK 2	230	317	334	396	25385	81
GARDNVLB_230_115_BK 3	BK 3	230	168	210	250	25416	55
GARDNVLB_230_115_BK 4	BK 4	230	169	211	250	25417	0
GARDNVLB-BETHWEST_115_149	149	115	245	257	294	325317	10
GARDNVLB-BETHWEST_115_150	150	115	245	257	294	325318	0
GARDNVLB-CLVRBANK_115_141	141	115	107	117	123	26038	33
GARDNVLB-CLVRBANK_115_142	142	115	107	117	123	26037	34
GARDNVLB-COBBLENM_115_151	151	115	199	199	199	26040	28
GARDNVLB-COBBLENM_115_152	152-1	115	199	199	199	26023	32
GARDNVLB-DUNKIRK_230_73	73	230	637	637	637	25166	77
GARDNVLB-DUNKIRK_230_74	74	230	633	633	633	25197	77
GARDNVLB-GARDNVLA_115_T1012	T1012	115	376	403	420	25085	38
GARDNVLB-GARDNVLA_230_T8-12	T8-12	230	772	772	772	25089	32
GE_R_D_-GROOMS_115_20_15	20_15	115	245	257	294	26266	16
GELCKHM_-WETZEL_115_14	14-CG	115	268	293	317	326189	52
GETZVL60-AYERREND_115_36	36	115	211	217	255	26049	25
GILBOA_-LEEDS_345_GL3	GL3	345	1762	1896	2241	25219	359
GILBOA_-N.SCTLND_345_GNS-1	GNS-1	345	1746	1896	2103	25052	21
GINNA_-PANNELRG_115_912	912	115	289	305	312	25260	75
GINNA_-S124_115_913	913	115	272	280	306	26281	96

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GINNA__-STA_135__115_909	909	115	282	298	313	325837	85
GINNA__-STA_135__115_937	937	115	282	298	313	325838	85
GINNA__-STA_204__115_908	908-1	115	322	360	415	26282	115
GINNA__-STA_204__115_911	911	115	320	358	414	26283	113
GIRDLERD-STOLLERD_115_706	706	115	228	229	239	325161	21
GLDNBRGD-CROTONFL_115_991	991	115	261	287	311	326416	5
GLENWDGT-ROSLYN__138_364	364	138	333	369	406	25556	34
GLENWOOD_138_69__BK 5	BK 5	138	128	156	203	25735	71
GLENWOOD_138_69__BK 6	BK 6	138	128	156	208	70637	68
GLENWOOD-CARLPLCE_138_363	363	138	308	368	405	25554	30
GLENWOOD-GLENWDGT_138_366	366	138	329	364	400	25555	34
GOETHALS_345A_345B_BK 1N	BK 1N	345	591	787	978	25641	0
GOETHALS-FRESHKLS_345_21	21	345	1016	1096	1362	25138	201
GOETHALS-FRESHKLS_345_22	22	345	1285	1618	1817	25137	201
GOETHALS-LINDN_CG_345_G23L	G23L	345	672	893	1630	26000	387
GOETHALS-LINDN_CG_345_G23M	G23M	345	672	893	1630	325203	387
GOETHSLN_345/230_BK 1	BK 1	345	630	789	886	25642	0
GOLAH__-MORTIMER_115_110	110	115	158	159	159	26034	70
GOUDEY__-ROBBLEAV_115_940	940	115	292	320	351	325166	25
GOUVNEUR-BATTHILL_115_8	8-GBH	115	93	101	106	26066	23
GOWANUS__138A_138B_PAR R14	PAR R14	138	309	407	421	25794	139
GOWANUS__138A_138B_PAR R2	PAR R2	138	413	516	600	25793	140
GOWANUS__345_138_BK T14	BK T14	138	309	407	421	25475	139
GOWANUS_-GOETHALS_345_25	25	345	561	748	1241	25139	186
GOWANUS_-GOETHALS_345_26	26	345	561	748	1241	25571	0
GOWANUS_-GREENWD__138_42231	42231	138	273	387	516	25214	140
GOWANUS_-GREENWD__138_42232	42232	138	273	338	407	25215	139
GOWANUSA-GREENWD__138_42G24	42G24	138	270	307	322	26007	0
GOWANUSC-GREENWD__138_42G13	42G13	138	259	307	322	26006	0
GOWANUSN_345KV_REA_R41_REACTR	R41_REA	345	687	896	1315	26001	46
GOWANUSS_345KV_REA_R42_REACTR	R42_REA	345	687	896	1315	26003	46
GR.GORGE-VINGR_TP_115_916 N.O.	916 N.O	115	149	172	215	26478	16
GREENBSH-FT._ORAN_115_15	15	115	199	199	199	26130	20
GREENBSH-STEPHTWN_115_993	993	115	141	144	159	26447	0
GREENDGE-FLATSTR__115_968	968	115	133	149	162	26185	17
GREENDGE-MONTRFL__115_967	967	115	133	149	162	26184	25
GREENDGE-MONTRFL__115_970	970	115	146	160	178	26183	31
GREENLWN_138_69__BK5	BK5	138	129	156	203	26655	28
GREENLWN-ELWOOD__138_673	673	138	381	589	667	25546	29
GREENLWN-SYOSSET__138_676	676	138	262	364	655	25548	96
GREENWD_-FOXHILLS_138_29231	29231	138	195	249	378	25321	105

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
GREENWD_-FOXHILLS_138_29232	29232	138	195	249	378	25322	106
GRISLD64-NIAGB130_115_182	182	115	211	217	255	26014	102
GROOMS_-JOHNSON_115_13-14	13	115	268	293	317	26267	64
GRS_LOCK-GELCKHM_115_8	8	115	190	208	221	26103	46
GRS_LOCK-HARRISRD_115_16	16-GT	115	141	144	165	26102	45
GRS_LOCK-SORELHIL_115_9	9	115	176	181	197	326801	52
GUARDIAN-HALEYRD_115_969	969	115	179	179	179	26167	73
HAGUE_RD-TICONDRG_115_2	2	115	71	71	71	326738	28
HAGUE_RD-TICONDRG_115_4	4	115	71	71	71	326739	8
HALEYRD_-GREENDGE_115_969	969	115	179	179	179	325294	51
HAMLTNNM-ELBRIDGE_115_7-983	7-983	115	189	195	197	26096	51
HAMLTNNM-HAMLTNNY_115_BK1	BK 1	115	34	42	56	25394	10
HAMRHILL-INDK-OSW_115_6	6-HI	115	139	144	159	26114	39
HANAWAFL-COLTON_115_5	5	115	222	234	278	326185	12
HARRISRD-TILDEN_115_16	16-GT	115	141	144	165	326815	17
HARSNRAD-ROBNSNRD_115_907	907	115	261	287	306	26162	10
HAUPPAUG-C_ISLIP_138_889	889	138	200	277	422	25681	111
HAZEL_-FERNDALE_115_955	955-2	115	119	120	120	26181	10
HDSNBRDG-DEWITT_115_10	10	115	340	374	413	325260	60
HDSNBRDG-DEWITT_115_7	7	115	340	374	414	325261	45
HELLGT_E-ASTORIAE_138_34051	34051	138	195	249	378	25323	124
HELLGT_E-ASTORIAE_138_34052	34052	138	195	249	378	25324	124
HELLGT_W_138_13_BRU_3	BRU_3	138	96	128	159	25777	49
HELLGT_W-ASTORIAW_138_24051	24051	138	188	264	447	25210	56
HELLGT_W-ASTORIAW_138_24052	24052	138	188	264	447	25211	43
HELLGT_W-ASTORIAW_138_24053	24053	138	171	207	207	25212	90
HELLGT_W-ASTORIAW_138_24054	24054	138	171	207	207	25213	91
HELLGT_W-ASTORIAW_138_24056	24056	138	183	270	284	26461	56
HELLTP_W-HELLGT_W_138_15055L	15055L	138	242	321	400	25573	282
HELLTP_W-HELLGT_W_138_15055M	15055M	138	242	321	400	26729	282
HICKLING-CATON_115_958	958	115	120	120	120	26189	13
HICKLING-YAWGERRD_115_964	964	115	149	164	175	26188	14
HILLBURN_138_69_BK 317	BK 317	138	210	270	290	26330	44
HILLBURN-RAMAPOOR_138_52	52	138	187	230	265	25882	44
HILLSIDE-CHEMUNG_115_962	962	115	171	181	224	25726	31
HILLSIDE-WATRCURE_230_69	69	230	657	657	657	25181	119
HINMAN_-HARSNRAD_115_908	908	115	297	306	306	26161	155
HISHELDN-STONCREK_230_81	81	230	506	556	603	325622	61
HOLBROOK_138_69_BK 1	BK 1	138	258	304	338	69378	134
HOLBROOK_138_69_BK 2	BK 2	138	122	136	136	69376	60
HOLBROOK-NSHORBCH_138_884	884	138	401	441	489	25341	1

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
HOLBROOK-SILLSRD_138_872	872	138	563	599	681	25340	37
HOLBROOK-WEST BUS_138_888	888	138	574	616	682	25542	162
HOLTSVLE-UNIONAVE_138_818	818	138	181	236	310	25584	83
HOLTSVLE-WEST BUS_138_877	877	138	559	599	664	325909	0
HOMER_HL-FIVE_MIL_115_169	169	115	270	297	324	26452	25
HOMER_HL-FIVE_MIL_115_170	170	115	270	297	324	26022	25
HOMER_HL-NILE_115_157	157-1	115	107	117	123	26041	15
HOMR_NYW-PIERC_NY_345_48	48	345	1508	1713	1789	326214	178
HOMRC_NY-MAINS_NY_345_47	47	345	1387	1631	1900	326121	95
HOOK_TAP-FARMGTN_115_7-983	7-983	115	176	181	188	26100	31
HOOK_TAP-HOOK_RD_115_BK3	BK3	115	60	60	60	26503	36
HOPATCON-RAMAPO_500_5018	5018	345	1156	1450	1915	25019	202
HOPKINS_TEALLAVE_115_11	11	115	239	239	239	26105	63
HUDS_AVE-JAMAICA_138_701	701	138	172	234	371	25294	28
HUDS_AVE-JAMAICA_138_702	702	138	172	234	371	25295	28
HUDSON_PLSTVYCH_115_12	12-HP	115	159	159	159	25499	50
HUDSON_VALKIN_115_15	15	115	227	248	268	26514	79
HUDSONP_FARRAGUT_345_B3402	B3402	345	464	643	877	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	45
HUNTLEY_PEROXYCM_115_39	39	115	176	181	209	26044	63
HUNTLEY_SAWYER_230_79	79	230	691	760	848	25127	189
HUNTLEY_SAWYER_230_80	80	230	691	760	848	25128	234
HUNTLEY_SWETH224_115_37	37	115	190	190	190	26045	13
HUNTLEY_TWOMLCRK_115_38	38	115	176	181	199	26047	64
HUNTLEY_YOUNG214_115_36	36	115	199	199	199	26046	12
HURLYAVE_115_69_TR 3	TR 3	115	119	141	167	25837	29
HURLYAVE_345/115_BK 1	BK 1	345	486	560	560	25419	184
HURLYAVE-LINCNPBK_115_HP	HP	115	243	267	293	25833	69
HURLYAVE-ROSETON_345_303	303	345	1713	1885	1912	25218	311
HURLYAVE-STURGNPL_115_HS	HS	115	211	224	241	25834	66
HYATT_115_34_BK 1	BK 1	115	61	76	100	70329	14
HYATT_BORDRCTY_115_10-979	979	115	143	143	143	25106	34
IMC_TAP_MECO_115_15-IM	15-IM	115	152	166	175	26132	15
INDCORTH-SPIERFLS_115_18	18	115	340	374	414	26149	133
INDK-OSW-LIGHTHSE_115_2	2-ILH	115	139	144	159	25503	39
INDN_PT3-BUCHAN_S_345_W96	W96	345	1793	1793	2266	25570	1036
INDPDNCE_345_18_TB 5	MT 5	345	215	235	255	68303	161
INDPDNCE_345_18_TB 6	MT 6	345	215	235	255	68304	161
INDPDNCE-SCRIBA_345_25	25	345	1918	2115	2390	25859	83
INGHAM_C_115_115_PAR 2	PAR 2	115	197	234	239	25242	120

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
INGHAM_C-INGHAM_E_115_R81	R81	115	222	234	239	25243	0
INGHAM_E-ESPRGFLD_115_7-942	7	115	114	131	152	25061	35
INGHAM_E-FAGEDARY_115_9	9	115	128	135	152	25863	26
INGHAM_E-IMC_TAP_115_15	15-II	115	128	135	152	25871	28
INGHAM_E-STJHNVLE_115_6	6-IS	115	104	107	122	26133	29
JAMAICA_-LAKSUCSS_138_903	903	138	271	350	428	25090	199
JAMAICA_-VALLYSTR_138_901 L_M	901 L_M	138	307	368	441	25048	100
JENNISON_115_46__BK 1A	BK 1A	115	57	58	61	69462	16
JENNISON-HANCOCK_115_954	954	115	119	120	120	26186	24
JENNISON-KATTLVLE_115_943	943	115	146	160	178	25898	66
JENNISON-SIDNEYRR_115_949	949	115	117	120	120	26173	18
JOHNSON_-MAPLEWOD_115_12	12	115	239	239	239	26268	81
KATONAH_-AMAWALK_115_995	995	115	261	287	311	325279	25
KATONAH_-GLDNBRGD_115_991	991	115	261	287	311	26157	20
KENTAVE_-GREENWD_138_31232	31231-2	138	195	249	310	25299	100
KINGS___-WEST BUS_138_881	881	138	568	609	675	326911	121
KINTIGH_-ROCHESTR_345_SR1-39	SR-1	345	1591	1745	1793	25073	73
KNAPPCRN_115_69__TR 2	TR 2	115	48	59	60	25838	8
KNAPPCRN-SANDDOCK_115_KB_KC	KB_KC	115	238	262	291	26240	23
KNAPPCRN-SPACKILL_115_SK	SK	115	238	262	291	325777	42
KNTFSRNC-SCOTAFLT_115_913	913	115	120	120	120	26207	7
LABDELFE-FENERWND_115_3	3	115	152	166	175	326864	13
LADENTWN-BOWLINE_345_68	68	345	777	837	837	25249	316
LADENTWN-BUCHAN_S_345_Y88	Y88	345	1823	2015	2557	25185	0
LADENTWN-WHAVSTRW_345_67-2	67-2	345	1976	2387	2895	25248	159
LAFAYTTE-CLRKSCRN_345_4-46	16893	345	1279	1410	1781	25049	719
LAFAYTTE-DEWITT_345_22	22	345	1643	1643	1643	25174	312
LAKELAND-BELMONT_115_4	4	115	190	208	221	326804	37
LAKEVIEU-CLVRBANK_115_142	142	115	107	117	123	325881	29
LAKSUCSS_138_69__BK 5	BK 5	138	258	304	338	26603	97
LAKSUCSS_138_69__BK 6	BK 6	138	258	304	338	325098	88
LAKSUCSS_138A_138B_PAR	B_PAR	138	339	356	427	25593	200
LANGDON_-NORTHSDE_115_936	936	115	206	227	239	26160	42
LAONA___-MOONS_SW_115_172	172	115	107	117	123	326591	14
LAONA___-MOONS_SW_115_173	173	115	107	117	123	326592	14
LAUREL L-GOUDEY___115_952	952	115	133	149	162	25012	63
LAWRNCAV-HANAWAFL_115_5	5	115	268	293	317	26085	7
LAWRNCAV-SUGARISL_115_4	4	115	268	293	317	326186	4
LEEDS___-ATHENS___345_95	95	345	1624	1783	1946	25789	193
LEEDS___-HURLYAVE_345_301	301	345	1713	1885	1912	25055	495
LEEDS___-PLSNTVLY_345_92	92	345	1624	1783	1912	25056	723

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
LIGHTHSE-EWATRTWN_115_5	5	115	119	119	119	25504	15
LIGHTHSE-MALLORY_115_7	7-CL	115	141	144	165	25521	28
LINCNPBK-EKINGSTN_115_LR	LR	115	243	260	282	26223	43
LINDEN_-GOETHALS_230_A2253	A2253	230	688	785	908	25017	0
LINDN_CG-LNDVFT__345_V-3022	V-3022	345	325	415	436	325657	314
LINE8TAP-WOLF_RD_115_8	8	115	141	144	165	326641	38
LITTLRIV-COLTON__115_8	8	115	93	101	106	25514	6
LITTLRIV-PYRITES__115_7	7	115	87	87	87	326402	7
LNGRD209-GARDNVLB_115_180	180	115	194	199	233	326282	100
LOCKPORT-HINMAN__115_100	100	115	268	293	317	25087	136
LOCKPORT-N.AKRON__115_108	108	115	158	162	187	25266	38
LOCKPORT-OAKFIELD_115_112	112	115	166	175	187	25300	40
LOCKPORT-SHELBY76_115_113	113	115	174	191	199	25263	32
LOCKPORT-TELGRAPH_115_107	107	115	268	293	317	25265	55
LOCKPORT-TELGRAPH_115_111	111	115	199	199	199	25262	28
LOCKPORT-TELGRAPH_115_114	114-1	115	174	191	199	25264	39
LOCUSTGR-NEWBRDGE_138_558	558	138	353	584	664	25158	332
LONG_MTN-CRICKVLY_345_398	398	345	1533	1935	2242	25033	166
LOVETT__138_69_BK 147	BK 147	138	94	130	149	26331	19
LOVETT_-BOWLINOR_138_56	56	138	279	305	317	25877	36
LOVETT_-STONYPNT_138_54	54	138	249	288	308	25885	13
LOWVILLE-BOONVLE_115_5	5-LB	115	128	135	150	26075	30
LUDLUM_-BENETTRD_115_161	161-3	115	213	225	242	326230	24
LUDLUM_-BENETTRD_115_162	162-2	115	213	225	242	326229	21
LUTHERFT-MALTA__115_43	43	115	213	292	324	325889	23
LUTHERFT-MALTA__115_44	44	115	213	292	318	325890	7
LUTHERFT-MULBRYNM_115_308	308	115	312	320	320	325742	37
LYON_MTN-KNTFSRNC_115_1(911)	911	115	149	172	204	26205	2
LYSANDER-SORELHIL_115_13	13	115	234	256	277	326799	47
MACHIAS_-VALLEY44_115_152	152	115	156	171	174	326172	8
MACHIAS_-VALLEY44_115_167	151	115	145	160	178	326169	0
MAINESBG-WATRCURE_345_30	30	345	927	927	927	25018	38
MALLORY_-WETZEL__115_7	7-CL	115	224	224	224	326206	2
MALONE_-NICHLVLE_115_3	3-NM	115	168	197	199	25585	11
MALONE_-WILLIS__115_1-910	1-MW	115	168	173	173	25586	69
MALTA__-TAPBLSTN_115_44	44	115	268	293	317	325892	21
MANCHSTR-SPACKILL_115_MC	MC	115	243	267	293	325776	60
MAPLE140-BUFALO54_115_38	38	115	211	217	255	326157	51
MAPLE140-BUFALO54_115_39	39	115	211	217	255	326158	50
MAPLEAVE-CHURCH_S_115_10	10	115	152	153	153	26120	6
MAPLEWOD-WTRVLARS_115_19	19	115	168	212	239	25870	46

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MAPLEWOD-WTRVLARS_115_31	31	115	168	188	239	25844	65
MARCY___765_345_AT2	BK 2	765	1926	2378	2390	25456	311
MARCY___765_345_BK 1	BK 1	765	1756	1756	1756	25455	354
MARCY___-EDIC___345_UE1-7	UE1-7	345	2187	2390	2390	25229	294
MARCY___-FRASANNX_345_UCC2-41	UCC2-41	345	1793	1793	1793	25113	439
MARCY___-N.SCTLND_345_18	18	345	1793	2034	2241	25276	495
MARION___-FARRAGUT_345_C3403	C3403	345	454	645	841	25038	0
MARSHVLE-CLINTON___115_12	12	115	152	159	159	325267	4
MASSENA___765_230_AT1	BK 1	765	1288	1378	1872	25665	67
MASSENA___765_230_AT2	BK 2	765	1288	1378	1872	25666	67
MASSENA___-MARCY___765_MSU1	MSU1	765	5300	5300	5300	25224	665
MCADOO___-DEKALB___115_4	4	115	93	101	106	26064	11
MCADOO___-LITTLRIV_115_8	8	115	87	87	87	326404	6
MCADOO___-MCINTYRE_115_8	8	115	87	87	87	326410	6
MCINTYRE-CORNING___115_6	6	115	156	158	159	26108	2
MCKNOWNV-NEWKRMKL_115_8	8	115	337	373	414	26499	101
MECO___-CENTERST_115_22	22	115	152	153	153	327075	6
MENANDS___-REYNOLDS_115_2	2-MR	115	255	282	316	26135	112
MENANDS___-RIVERSDE_115_3	3-MR	115	298	344	414	26134	98
MENANDS___-WTRVLARS_115_19	19	115	156	170	181	326246	49
MERTPARK-WICCOPEE_115_WP	WP	115	244	260	282	325772	23
MEYER___-CANANDGA_230_60	60	230	591	649	715	325604	65
MEYER___-MORAINE___115_966	966	115	149	172	191	26166	42
MIDDLEOR-SHOEMAKR_138_29	29	138	506	587	671	26468	189
MIDDLERD-BABBITSC_115_6	6	115	141	144	165	326735	21
MIDDLETP_345_138_BK 114	BK114	345	506	587	671	26465	189
MIDDLETP-ROCKTVRN_345_CCRT34	CCRT-34	345	1918	2115	2390	26464	279
MILAN___-PLSTVYCH_115_10	10	115	168	187	199	26433	13
MILAN___-RHINEBCK_115_MR	MR	115	219	232	239	26242	13
MILLERPL-HOLBROOK_138_885	885	138	517	577	654	26691	6
MILLIKEN-ETNA___115_974	974	115	231	260	286	26177	23
MILLIKEN-ETNA___115_975	975	115	231	260	286	26178	25
MILLWOOD_345_138_TA 1	TA 1	138	248	333	359	25530	29
MILLWOOD_345_138_TA 2	TA 2	138	234	305	321	25531	31
MILLWOOD-EASTVIEW_345_W82	W82	345	2430	2823	3357	25147	850
MILLWOOD-EASTVIEW_345_W85	W85	345	2430	2823	3357	25258	807
MILLWOOD-EASTVIEW_345_W99	W99	345	2430	2823	3357	25255	806
MILTON_C-GRS_LOCK_115_18	18-MG	115	156	171	182	26104	17
MILTR209-SUMMIT97_115_130	129	115	239	317	317	326291	107
MILTR210-SUMMIT97_115_129	129	115	239	294	299	326288	100
MNTNDALE-WWDBURNY_115_957	957	115	120	120	120	325616	20

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
MODENA_115_69_BK1	BK1	115	40	50	53	26325	1
MODENA_-OHIOVLE_115_PX	PX	115	285	310	349	25835	6
MOHANSIC_115_13_BK 2	BK 2	115	26	28	33	26482	9
MOHANSIC_115_13_BK 4	BK 4	115	26	28	33	26483	11
MOHICAN_-BATNKILL_115_15	15	115	270	297	324	26122	9
MOHICAN_-SCHAGCKT_115_309	309	115	227	248	268	26687	6
MONSEY_-BURNS___138_601	601	138	456	478	500	325608	51
MONTRFL_-CODNIGTN_115_982	982	115	133	149	162	25728	2
MONTRFL_-RIDGE_RD_115_963	963-2	115	133	145	149	26196	12
MONTRFL_-RIDGE_RD_115_978	978-2	115	133	149	162	26197	11
MOONS_SW-FALCONER_115_172	172	115	107	117	123	26030	22
MOONS_SW-FALCONER_115_173	173	115	107	117	123	26031	22
MORGANRD-LANGDON_115_936	936	115	238	239	239	325224	16
MORTIMER-FAIRPORT_115_1	1	115	168	181	183	25163	48
MORTIMER-FAIRPORT_115_2	2	115	166	175	187	25240	27
MORTIMER-SHELBY76_115_114	114	115	129	149	153	326129	8
MORTIMER-STA_56_115_24	43854	115	156	171	182	25096	57
MORTIMER-STA_89_115_25	25	115	139	146	162	25095	67
MOSES___230_115_AT1	BK 1	230	526	589	719	25411	61
MOSES___230_115_AT2	BK 2	230	526	589	719	25451	28
MOSES___230_115_AT3	BK 3	230	220	276	288	25452	24
MOSES___230_115_AT4	BK 4	230	551	598	719	25453	60
MOSES___-ADIRNDCK_230_MA1	MA1	230	447	473	517	25269	0
MOSES___-ADIRNDCK_230_MA2	MA2	230	447	473	517	25270	90
MOSES___-ALCOA_PA_115_MAL6	MAL6	115	257	281	327	25581	105
MOSES___-GRASRIVR_115_MAL4	MAL4	115	291	319	350	25582	108
MOSES___-GRASRIVR_115_MAL5	MAL5	115	291	319	350	25583	108
MOSES___-MASSENA_230_MMS1	MMS1	230	1279	1378	1593	25274	67
MOSES___-MASSENA_230_MMS2	MMS2	230	1279	1378	1593	25275	67
MOSES___-MED-ENGS_115_MRG1	MRG1	115	223	237	259	26328	92
MOSES___-MED-ENGS_115_MRG2	MRG2	115	223	237	259	26335	74
MOSES___-REYNLDPA_115_MR3	MR3	115	223	224	224	26332	67
MOSES___-WILLIS___230_MW1	MW1	230	447	473	517	25188	2
MOSES___-WILLIS___230_MW2	MW2	230	447	473	517	25271	2
MOSHIER_-TAYLORVL_115_7-MT	7-MT	115	49	49	49	26109	16
MOTTHAVN-RAINEY___345_Q11	Q11	345	741	858	1309	325430	303
MOTTHAVN-RAINEY___345_Q12	Q12	345	741	858	1309	325431	284
MOUNTAIN-SWANROAD_115_103	103	115	224	250	282	26054	75
MOUNTAIN-SWANROAD_115_104	104	115	224	250	282	26053	0
MULBRYNM-EASTOVER_115_308	308	115	227	248	268	26475	41
N._SALEM-BATNKILL_115_989	989	115	45	52	57	26448	2

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
N.AKRON_-BATAVIA_115_107	107	115	159	159	159	25124	22
N.AKRON_-BATAVIA_115_108	108	115	152	159	159	25125	24
N.END___115_46_BK 1	BK 1	115	70	71	75	25849	29
N.END___-ASHLEYRD_115_702	702	115	351	386	434	25846	47
N.END___-PLATSBRG_115_701	701	115	239	239	239	25848	103
N.SCTLND_345_115_BK 1	BK 1	345	529	642	796	25445	91
N.SCTLND_345_115_BK 2	BK 2	345	629	796	796	25460	87
N.SCTLND-ALBANY___115_8	8-NA	115	340	373	414	25496	48
N.SCTLND-ALPS____345_2	2	345	1278	1410	1792	25217	334
N.SCTLND-ALTAMONT_115_20	20-NV	115	141	144	165	25492	45
N.SCTLND-BETHLHEM_115_4	4-NB	115	311	313	313	25497	35
N.SCTLND-FEURABSH_115_3	3-NF	115	311	341	375	25495	61
N.SCTLND-LEEDS___345_93	93	345	1534	1692	1912	25171	534
N.SCTLND-LEEDS___345_94	94	345	1534	1692	1912	25203	530
N.SCTLND-OWENSCRN_115_7	7	115	141	144	165	25491	51
N.SCTLND-OWENSCRN_115_9	9	115	141	144	165	25490	14
N.SCTLND-ROTTRDAM_115_13	13-NR	115	255	282	358	25494	54
N.SCTLND-VORHVSLE_115_19	19-NV	115	141	144	165	25493	37
N.TROY_-EASTOVER_115_306	308	115	227	248	268	326095	13
N.TROY_-EASTOVER_115_307	10	115	222	234	268	326096	12
N.TROY_-HOOSICK___115_5	5-NHF	115	232	232	232	26131	13
N.TROY_-REYNOLDS_115_16	16-NR	115	222	234	239	26139	59
N.TROY_-WYNTKLMN_115_14-988	14-NW	115	187	187	187	26137	61
NANGOLA_-DELEMTER_115_141	141	115	107	117	123	325872	19
NANGOLA_-DELEMTER_115_142	142	115	107	117	123	325879	16
NANGOLA_-SILVRCKR_115_141	141	115	107	117	123	325871	8
NANGOLA_-SILVRCKR_115_142	142	115	107	117	123	325878	5
NANOTECH-MCKNOWNV_115_2	2	115	337	373	414	326637	81
NBRDWYNG-ERIE_ST_115_181-922	181-922	115	145	160	178	26011	53
NCATSKLL_115_69__TR 4	TR 4	115	57	71	79	25839	20
NCATSKLL_115_69__TR 5	TR 5	115	53	65	73	25818	20
NCATSKLL-MILAN___115_T7	T7	115	168	199	199	26243	4
NCHelsea_115_69__BK TR1	BK TR1	115	49	52	58	25836	7
NCHelsea-FISHKPLN_115_NF	NF	115	255	290	315	26228	4
NCHelsea-FORGE BRK_115_FO	FO	115	225	251	282	26230	22
NEPTUNE_-DUFFYAVE_345_NEPTUNE	NEPTUNE	345	660	785	785	325304	651
NEWBRDGE_138_69__BK 6	BK 6	138	130	159	212	26604	55
NEWBRDGE_138_69__BK 7	BK 7	138	130	159	212	26605	60
NEWBRDGE_345_138_BK_1	BK 1	345	440	469	562	325301	325
NEWBRDGE_345_138_BK_2	BK 2	345	450	469	562	325302	325
NEWBRDGE-BAGATLRD_138_563	563	138	402	594	658	25536	50

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NEWBRDGE-DUFFYAVE_345_501	501	345	660	750	750	325303	651
NEWBRDGE-EGRDNCTY_138_467	467	138	267	469	669	325378	86
NEWBRDGE-RULAND__138_561	561	138	297	326	349	25305	106
NEWBRDGE-RULAND__138_562	562	138	295	323	346	25306	106
NEWBRDGE-RULAND__138_567	567	138	256	384	422	325379	105
NEWKRMKL-ALBANY__115_7	7	115	340	371	413	325257	116
NIAGARA__230_115_AT1	BK T1	230	240	345	479	25409	40
NIAGARA__230_115_AT2	BK T2	230	275	349	414	25410	0
NIAGARA__345_230_AT3	BK 3	345	433	542	564	25408	46
NIAGARA__345_230_AT4	BK 4	345	864	1006	1127	25449	85
NIAGARA__345_230_AT5	BK 5	345	433	542	564	25450	46
NIAGARA_-KINTIGH__345_NS1-38	NS1-38	345	1591	1745	1793	25074	73
NIAGARA_-LNGRD209_115_180	180	115	243	249	297	25104	108
NIAGARA_-MOUNTAIN_115_120	120	115	224	250	291	25135	75
NIAGARA_-MOUNTAIN_115_121	121	115	40	40	40	326182	2
NIAGARA_-MOUNTAIN_115_122	122	115	40	40	40	326183	2
NIAGARA_-PACKARD__115_191	191	115	348	358	398	25075	140
NIAGARA_-PACKARD__115_192	192	115	319	339	382	25099	160
NIAGARA_-PACKARD__115_193	193	115	348	358	398	25100	118
NIAGARA_-PACKARD__115_194	194	115	348	358	398	25101	118
NIAGARA_-PACKARD__115_195	195	115	359	359	475	25102	138
NIAGARA_-PACKARD__230_61	61	230	767	844	949	25186	298
NIAGARA_-PACKARD__230_62	62	230	717	717	949	25220	292
NIAGARA_-ROBNSNRD_230_64	64	230	639	678	717	25088	202
NIAGARA_-ROCHESTR_345_NR2	NR2	345	1591	1745	1904	25084	107
NIAGARA_-SANBORN__115_101	101	115	285	300	318	326180	74
NIAGARA_-SANBORN__115_102	102	115	319	339	382	25103	77
NIAGB130-ECWABALP_115_181-922	181-922	115	211	217	255	26057	97
NIAGB130-ECWABALP_115_182	182	115	211	217	255	326278	92
NICHLVLE-PARISHVL_115_3	3-PN	115	156	170	181	26110	5
NILE___-ANDOVER__115_157	157-2	115	128	135	152	26016	12
NINEMILE-CLAY___345_8	8	345	1278	1410	1624	25167	697
NINEMILE-FTZPK_NM_115_4	4-NF	115	119	119	159	25500	23
NINEMILE-SCRIBA__345_9	9	345	1278	1410	1792	25359	84
NO.LEROY-MUMFRD50_115_119	119	115	168	185	196	326559	8
NOGDNBRG-MCINTYRE_115_9	9-NOM	115	159	159	159	26080	15
NORFOLK_-LAWRNCAV_115_4	4	115	268	293	317	326397	13
NRTH1385-NOR HBR__138_601	601	138	147	200	409	325597	33
NRTH1385-NOR HBR__138_602	602	138	147	200	409	325598	33
NRTH1385-NOR HBR__138_603	603	138	147	200	409	325599	33
NRTH1385-NRTHPORT_138_NNC	1385	138	441	569	569	25035	100

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
NRTHPORT_138_138_PS2	138_PS2	138	473	488	586	25599	183
NRTHPORT_138N_138E_PAR 1	E_PAR 1	138	491	569	569	25598	100
NRTHPORT-ELWOOD__138_678	678	138	356	607	673	25543	15
NRTHPORT-ELWOOD__138_681	681	138	358	612	677	25544	16
NRTHPORT-PILGRIM__138_672	672	138	175	288	417	25307	119
NRTHPORT-PILGRIM__138_677	677	138	352	575	667	25308	238
NRTHPORT-PILGRIM__138_679	679	138	357	579	667	25309	238
OAKDALE__230_115_BK 1	BK 1	230	318	435	440	25400	23
OAKDALE__345_115_BK 2	BK 2	345	583	600	600	25401	200
OAKDALE_-DELHI__115_919	919	115	171	179	179	25897	15
OAKDALE_-ENDICOTT_115_938	938	115	171	188	239	26198	93
OAKDALE_-FRASER__345_32	32	345	1494	1692	1793	25235	33
OAKDALE_-GOUDEY__115_939	939	115	292	321	352	26182	112
OAKDALE_-KATTLVLE_115_943	943	115	171	188	221	26201	86
OAKDALE_-NORTHSDE_115_944	944	115	231	239	239	26199	82
OAKFIELD-BATAVIA__115_112-2	112-2	115	156	162	181	25126	28
OAKWD232-LOCKPORT_115_36	36	115	176	181	199	326369	53
OAKWD232-LOCKPORT_115_37	37	115	196	199	199	326372	53
OAKWOOD_-ELWOOD__138_674	674	138	380	589	667	25545	62
OAKWOOD_-SYOSSET__138_675	675	138	262	364	656	25547	100
OHIOVLE-HIGHLAND_115_OR	OR	115	223	234	278	26247	31
ONEIDA_-GRNEMPFM_115_2	2-OT	115	141	144	159	25895	50
ONEIDA_-SHERILPL_115_6	6	115	141	144	159	26113	43
ONEIDA_-WALESVIL_115_7	7	115	141	144	159	26115	27
OSWEGO__345_115_BK 7	BK 7	345	576	657	774	25372	256
OSWEGO_-ELBRIDGE_345_17	17	345	1278	1410	1792	25234	699
OSWEGO_-S.OSWEGO_115_3	3-OS	115	209	218	218	25507	107
OSWEGO_-S.OSWEGO_115_5	5-OS	115	207	207	207	25508	107
OSWEGO_-S.OSWEGO_115_8	8-OS	115	478	478	478	25509	39
OSWEGO_-VOLNEY__345_11	11	345	1278	1410	1792	25199	108
OSWEGO_-VOLNEY__345_12	12	345	1278	1410	1792	25201	108
OWENSCRN-SABICO__115_7	7	115	141	144	165	325736	55
OWENSCRN-SABICO__115_9	9	115	141	144	165	325737	7
PACKARD__230_115_BK 3	BK 3	230	233	250	250	25414	11
PACKARD__230_115_BK 4	BK 4	230	235	250	250	25415	43
PACKARD_-LNGRD209_115_182	182	115	243	249	297	26056	116
PACKARD_-MILTR209_115_129	129	115	239	317	317	25906	108
PACKARD_-MILTR210_115_130	130	115	239	317	317	26059	113
PACKARD_-NIAGB130_115_181-922	181-922	115	194	199	233	26055	107
PACKARD_-SAWYER__230_77	77	230	680	747	836	25164	282
PACKARD_-SAWYER__230_78	78	230	680	747	836	25195	282

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PALMITER-BENNETT__115_932	932	115	95	100	111	26165	24
PANNELL__345_115_3T	BK 3	345	314	336	336	25572	80
PANNELL__345_115_BK 1	BK 1	345	273	329	336	25396	75
PANNELL__345_115_BK 2	BK 2	345	273	328	336	25431	75
PANNELL_-CLAY____345_1	PC1	345	1195	1315	1673	25058	331
PANNELL_-CLAY____345_2	2	345	1195	1315	1673	25050	332
PANNELRG-FARMGTN__115_4-977	4-FP	115	268	293	317	25080	108
PANNELRG-STA_56__115_24	24	115	156	171	182	26285	95
PANNELRG-STA_56__115_25	25	115	156	171	181	26284	88
PARISHVL-COLTON__115_3	3-CP	115	156	170	181	25241	8
PATROON_-NANOTECH_115_6	6	115	340	373	414	25866	59
PAVMNTRD-STOLLERD_115_926	926	115	299	335	368	325220	17
PAWLING_-TILYFSTR_115_994	994	115	299	312	312	25902	26
PEAT ST_-HDSNBRDG_115_10	10	115	207	233	233	26648	60
PEAT ST_-HDSNBRDG_115_7	7	115	373	373	414	26649	15
PETERBOR-ONEIDA__115_5	5	115	127	127	127	25896	26
PIERCBRK-FIVEMILE_345_37	37	345	1829	2008	2211	326225	54
PILGRIM__138B_138A_PAR	138_PS2	138	353	371	445	25604	140
PILGRIM_-HAUPPAUG_138_871	871	138	346	370	422	25550	140
PILGRIM_-KINGS____138_880	880	138	561	606	667	25537	172
PINEBUSH-WOODLAWN_115_35	35	115	141	144	165	326633	6
PLATSBRG_230_115_AT2	AT2	230	292	320	356	326870	0
PLATSBRG-KNTFSRNC_115_PS1	PS1	115	149	172	204	25078	10
PLATTSBURGH PMLD #2	PS-1/A	115	179	179	224	69888	8
PLSNTVLE_345_13__BK 1	BK 1	138	64	70	70	25477	22
PLSNTVLE_345_13__BK 2	BK 2	138	64	70	70	25478	22
PLSNTVLE-DUNWODIE_345_W89	W89	345	1976	2282	2542	25182	789
PLSNTVLE-DUNWODIE_345_W90	W90	345	1976	2282	2542	25250	824
PLSNTVLY-EFISHKIL_345_F36	F36	345	1976	2387	2895	25256	334
PLSNTVLY-EFISHKIL_345_F37	F37	345	1976	2387	2895	25257	334
PLSNTVLY-WOOD_ST__345_F30	F30	345	1976	2384	2895	25237	807
PLSNTVLY-WOOD_ST__345_F31	F31	345	1976	2384	2895	25238	777
PLSTVYCH_115_69__TR 10	TR 10	115	134	143	143	25840	38
PLSTVYCH_345_115_BK S1	BK S1	345	478	478	478	25382	111
PLSTVYCH-INWOOD____115_X1	X-1	115	219	232	255	26209	54
PLSTVYCH-MANCHSTR_115_M	M	115	243	267	293	26208	83
PLSTVYCH-TODDHILL_115_C	C	115	255	302	334	325156	73
PLYMTHST-HUDS_AVE_138_32078	32078	138	173	265	477	326581	42
PORTER__-DERFIELD_115_8	8	115	127	127	127	26116	18
PORTER__-ROTTRDAM_230_30	30-PR	230	511	564	634	25173	161
PORTER__-ROTTRDAM_230_31	31-PR	230	511	564	634	25194	163

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
PORTER_-VALLEY__115_4	4-PV	115	141	144	165	25231	73
PORTER_-WATKINRD_115_5	5-PW	115	141	144	165	25232	84
PORTJEFF_138_69__BK 7	BK 7	138	127	156	208	25601	54
PORTJEFF_138_69__BK 8	BK 8	138	130	159	212	25600	55
PORTJEFF-HOLBROOK_138_862	862	138	330	365	401	25539	21
PORTJEFF-HOLBROOK_138_886	886	138	341	377	414	25540	20
PYRITES_-DEKALB__115_7	7	115	93	101	106	26065	7
QUAKERRD-MACEDON__115_930	930	115	68	85	112	25093	28
QUAKERRD-PANNELRG_115_914	914	115	265	295	312	25261	6
QUAKERRD-SLEIGHT__115_13-980	980(13)	115	187	206	221	25079	49
QUAKERRD-STA_204__115_908	908	115	289	305	335	26286	84
QUENBRDG-VERNON__138_31281	31281	138	413	550	602	25159	129
QUENBRDG-VERNON__138_31282	31282	138	413	550	602	25160	74
QUENSBRY-CEDAR__115_10	10	115	156	170	181	26140	44
QUENSBRY-SHERMAN_115_17	17-QS	115	141	144	165	26142	45
RAINEY_-FARRAGUT_345_61	61	345	608	801	1286	25152	293
RAINEY_-FARRAGUT_345_62	62	345	739	854	1293	25253	269
RAINEY_-FARRAGUT_345_63	63	345	608	801	1286	25254	293
RAINEY_-VERNON__138_36311	36311	138	280	325	413	25296	88
RAINEY_-VERNON__138_36312	36312	138	295	353	409	25297	136
RAMAPO__345_138__BK 1300	1300	345	658	752	825	25441	93
RAMAPO__345_138__BK 2300	2300	345	658	752	825	25442	93
RAMAPO__345_345__PAR3500	PAR3500	345	740	901	1150	25370	101
RAMAPO__345_345__PAR4500	PAR4500	345	728	931	1093	25371	101
RAMAPO__500_345__BK 1500	BK 1500	345	1160	1419	1923	25656	202
RAMAPO_-BUCHAN_N_345_Y94	Y94	345	1823	2015	2557	25184	923
RAMAPO_-LADENTWN_345_W72	W72	345	1823	2015	2557	25233	157
RAMAPO_-SUGARLOF_345_76	76	345	2271	2271	2271	326219	421
RAMAPOOR-STRLFRST_138_26	26	138	282	309	321	326302	20
RAMAPOOR-TALLMAN__138_60	60	138	456	478	500	25880	106
RANGEHL_-CASTLEGD_115_937	937	115	149	149	149	325225	17
REGENRON-RVSD_TAP_115_4	4	115	224	239	239	327082	3
REYNOLDS_345_115__BK 2	BK 2	345	585	676	796	25403	247
REYNOLDS-ALPS__345_1	1	345	1912	1912	1912	25587	249
REYNOLDS-GERENSLR_115_31	31	115	255	282	316	326247	72
REYNOLDS-REGENRON_115_9	9	115	426	470	537	26129	124
REYNOLDS-RVSD_TAP_115_4	4	115	239	239	239	325648	33
RICHFELD-ESPRGFLD_115_7-942	942	115	119	120	120	26176	33
RIDGE_RD-HILLSIDE_115_963	963	115	133	149	162	26190	14
RIDGE_RD-HILLSIDE_115_978	978-1	115	133	149	162	26191	13
RIVERSDE-RVSD_TAP_115_4	4	115	239	239	239	26144	30

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
RIVERSDE-TRINITY__115_18	18	115	159	178	258	26491	69
RIVERSDE-TRINITY__115_19	19	115	214	256	311	26492	80
RIVRHEAD_138_69__BK 7	BK 7	138	130	159	208	26622	49
RIVRHEAD_138_69__BK 8	BK 8	138	127	156	208	26623	42
ROBNSNRD-STOLLERD_230_65	65	230	673	717	717	25065	177
ROCHESTR_345_115_BK 1	BK 1	345	582	629	630	25412	118
ROCHESTR_345_115_BK 2	BK 2	345	389	476	478	25432	137
ROCHESTR_345_115_BK 3	BK 3	345	582	629	630	25446	118
ROCHESTR_345_115_BK 5	BK 5	345	546	630	630	325381	232
ROCHESTR-PANNELL__345_RP1	RP1	345	1591	1745	1904	25192	212
ROCHESTR-PANNELL__345_RP2	RP2	345	1591	1745	1904	25172	213
ROCKHILL-MNTNDALE_115_957	957	115	184	192	200	325615	24
ROCKTVRN_345_115_BK TR1	BK TR1	345	485	530	530	25406	101
ROCKTVRN_345_115_BK TR3	BK TR3	345	485	533	560	26168	101
ROCKTVRN-RAMAPO__345_77	77	345	2271	2271	2271	25183	501
ROCKTVRN-SUGARLOF_345_76	76	345	2271	2271	2271	326218	545
ROCKTVRN-SUGRLOAF_115_SL	SL	115	179	196	206	25420	0
ROCKTVRN-UNION_CH_115_RJ	RJ	115	171	188	239	326347	26
ROME____-TURNSTON_115_1	1-RO	115	168	187	216	26112	49
RONKOKMA-HOLBROOK_138_875	875	138	542	585	644	25541	8
ROSA_RD_-GE_R_D__115_14	14	115	245	257	294	26145	34
ROSETON_-EFISHKIL_345_RFK305	RFK305	345	2528	2772	3133	25108	1258
ROSETON_-ROCKTVRN_345_311	311	345	1713	1885	2102	25069	113
ROTTRDAM_230_115_BK 6	BK 6	230	406	464	476	25407	95
ROTTRDAM_230_115_BK 7	BK 7	230	346	396	448	25392	91
ROTTRDAM_230_115_BK 8	BK 8	230	377	427	474	25413	73
ROTTRDAM-BURDECK__115_17	17-RB	115	141	144	165	25129	17
ROTTRDAM-BURDECK__115_19	19-RB	115	141	144	165	26146	23
ROTTRDAM-CURRY_RD_115_11	11	115	141	144	165	25869	13
ROTTRDAM-EASTOVER_230_38	38	230	511	564	637	326094	57
ROTTRDAM-FRONT_ST_115_16	16	115	268	293	317	26147	87
ROTTRDAM-PINEBUSH_115_35	35	115	141	144	165	25865	6
ROTTRDAM-SWAGRTWN_115_1	1	115	478	478	478	26429	67
ROTTRDAM-SWAGRTWN_115_44	44	115	476	476	476	26430	50
RULAND__-HOLBROOK_138_882	882	138	569	614	676	25538	64
RULAND__-PILGRIM_138_661	661	138	560	582	582	25310	36
RULAND__-PILGRIM__138_662	662	138	560	582	582	25311	36
RUTHROAD-LINE8TAP_115_8	8	115	141	144	165	326639	28
RYAN____-PLATSBRG_230_RYP-2	RYP-2	230	292	320	356	25273	24
RYNDS_HL-HIGHLAND_115_HR	HR	115	220	234	256	325825	17
RYNDS_HL-INWOOD___115_IR	IR	115	219	232	255	26248	35

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
S.MAHWAH-RAMAPOOR_138_51	51	138	282	309	321	25888	55
S.OSWEGO-CLEARWTR_115_9	9	115	199	199	199	25510	78
S.OSWEGO-CURTIS__115_10	10	115	199	199	199	25511	70
S.OSWEGO-HAMRHILL_115_6	6-IH	115	139	144	161	25513	20
S.OSWEGO-NINEMILE_115_1	1-SN	115	141	144	159	25501	29
S.OWEGO_-GOUDEY__115_961	961	115	143	157	167	25725	22
S.OWEGO_-NWAVERLY_115_962	962-2	115	143	157	167	25727	27
S.PERRY__230_115_BK4	BK 4	230	292	336	336	326585	0
S.PERRY_-MEYER__115_934	934	115	106	116	120	26194	43
S.PERRY_-MEYER__230_87	85	230	506	556	603	326586	98
S.RIPLEY-DUNKIRK__230_68	68	230	368	368	368	25045	54
S124__115A_115B_PS1	PS1	115	176	242	414	325930	85
S124__115A_115B_PS2	PS2	115	176	242	414	325931	85
S42__115_115_PS920	PS920	115	230	230	230	327073	0
S42__-S124__115_932	932	115	213	233	237	325827	85
S42__-S124__115_938	938	115	213	230	230	325972	85
SABICO_-LONGLANE_115_7	7	115	199	199	199	26501	43
SALAMANC_HOMER_HL_115_153	153	115	156	159	159	325763	16
SALAMANC_HOMER_HL_115_154	154	115	156	159	159	325764	19
SANBORN_-LOCKPORT_115_101	101	115	285	300	318	25267	74
SANBORN_-SHAWNERD_115_102	102	115	350	371	413	326179	77
SAND_BAR-PLATSBRG_115_PV20	PV20	115	236	274	274	25027	107
SANDCREK-LINE8TAP_115_8	8	115	141	144	165	326640	9
SANDDOCK-NCHELSEA_115_SC	SC	115	255	282	315	26249	15
SAWYER__230_23_TB1	TB1	230	100	140	140	325047	47
SAWYER__230_23_TB2	TB2	230	100	140	140	325048	48
SAWYER__230_23_TB3	TB3	230	100	140	140	325049	45
SAWYER_-HUNTLEY__230_77	77	230	691	760	848	325043	235
SAWYER_-HUNTLEY__230_78	78	230	691	760	848	325044	234
SAWYER_-SUNY_BUF_230_79	79	230	691	760	800	325045	189
SAWYER_-SUNY_BUF_230_80	80	230	691	760	848	325046	189
SCHAGCKT-EASTOVER_115_10	10	115	227	248	268	327071	48
SCHAGCKT-MULBRYNM_115_3	3	115	227	248	268	327072	34
SCHODACK-GREENBSH_115_13	13	115	199	199	199	325804	77
SCHUYLER-PORTER__115_13	13	115	224	239	239	326142	44
SCOTAFLT-MASONCR__115_909	909	115	189	207	221	325702	2
SCRIBA__-FITZPTRK_345_FS-10	FS-10	345	1434	1434	1662	25076	226
SCRIBA__-VOLNEY__345_20	20	345	1474	1626	1881	25204	659
SCRIBA__-VOLNEY__345_21	21-SV	345	1912	1912	1912	25314	863
SENECA__-GARDNVLB_230_71	71	230	306	354	370	25856	11
SENECA__-GARDNVLB_230_72	72	230	306	354	370	25857	11

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SHALETON-CLVRBANK_115_141	141	115	107	117	123	325875	29
SHALETON-LAKEVIEU_115_141	141	115	107	117	123	325874	27
SHAWNERD-LOCKPORT_115_102	102	115	285	300	318	26052	70
SHAWNERD-LOCKPORT_115_103	103	115	199	199	199	26051	56
SHENDOAH-EFISHKIL_115_EF	EF	115	243	267	293	26251	75
SHERILPL-YAHNUNDA_115_6	6	115	128	135	152	326740	18
SHERMAN_-SPIERFLS_115_17	17-SS	115	141	144	159	26148	33
SHERMCRK-ACADEMY_138_331	331	138	345	431	546	325755	150
SHERMCRK-ACADEMY_138_332	332	138	345	431	546	325754	150
SHERMCRK-E179THST_138_15031	15031	138	184	235	371	25156	176
SHERMCRK-E179THST_138_15032	15032	138	184	235	371	25157	174
SHOEMAKR_138_69_BK 711	BK 711	138	212	281	319	26694	60
SHOEMAKR_138_69_BK 811	BK 811	138	193	225	253	326024	75
SHOR_NPX-SHOREHAM_138_CSC	NPX_CSC	138	353	353	353	325153	329
SHORE_RD_345_138_BK 1	BK 1	345	487	534	641	25439	297
SHORE_RD_345_138_BK 2	BK 2	345	487	534	641	25440	295
SHORE_RD-GLENWOOD_138_365	365	138	341	377	415	25205	99
SHORE_RD-GLENWOOD_138_366	366	138	357	418	466	25154	106
SHORE_RD-LAKSUCSS_138_367	367	138	249	365	623	25145	193
SHORE_RD-LAKSUCSS_138_368	368	138	250	366	625	25150	193
SHOREHAM-MILLERPL_138_879	879	138	527	588	666	25117	21
SHOREHAM-WILDWOOD_138_863	863	138	528	590	668	25115	148
SHOREHAM-WILDWOOD_138_867	867	138	528	590	668	25114	145
SIDNEYRR-DELHI_115_949	949	115	117	120	120	326184	39
SLEIGHT_115_34_BK 1	BK 1	115	43	51	67	70523	18
SLEIGHT_115_34_BK 2	BK 2	115	43	51	67	70524	20
SLEIGHT_-CLYDE_115_3-971	971(3)	115	143	143	143	26686	11
SMAHWAH_345_138_BK 258	258	345	441	516	559	25393	97
SMAHWAH_-RAMAPO_345_69	69	345	1601	2010	2268	25021	100
SMAHWAH_-RAMAPO_345_70	70	345	1822	2010	2552	25259	69
SMITHBRD-WEIBELAV_115_2	2	115	282	288	318	325903	13
SMITHBRD-WEIBELAV_115_302	302	115	268	292	317	325904	16
SODEMNRD-TAPBROOK_115_2	2	115	476	476	476	326827	67
SORELHIL-ANHRBUSH_115_9	9	115	234	256	277	326802	70
SORELHIL-BELMONT_115_13	13	115	227	229	229	326800	47
SOUTHADOW-CARRSCRN_115_153	153	115	156	170	181	326162	6
SOUTHADOW-CARRSCRN_115_154	154	115	156	170	181	326164	2
SPENCPT-STA_113_115_947	947	115	143	151	161	326080	44
SPIERFLS-BUTLER_115_4	4-SFB	115	128	135	152	26136	36
SPIERFLS-CURTPALM_115_9	9	115	128	135	152	326145	45
SPIERFLS-MOHICAN_115_7	7	115	141	144	165	26435	31

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SPIERFLS-QUENSBRY_115_5	5-SFQ	115	141	145	165	26141	44
SPIERFLS-TAPBROOK_115_2	2	115	282	288	318	25874	34
SPIERFLS-TAPBROOK_115_302	302	115	222	234	278	25873	19
SPRAINBROOK - SPRNBR49	R49REAC	345	755	978	1423	26725	692
SPRINGVL-ARCADE__115_151	151	115	156	171	182	326167	22
SPRINGVL-MACHIAS__115_152	152	115	156	161	161	326171	17
SPRNBRK__345_138_BK N7	BK N7	345	382	451	472	25628	175
SPRNBRK__345_138_BK S6	BK S6	345	382	451	472	25625	166
SPRNBRK_-ACADEMY__345_M29	M29	345	536	775	1369	325756	301
SPRNBRK_-DUNWODIE_138_99942	99942	138	409	438	464	25246	174
SPRNBRK_-DUNWODIE_345_W75	W75	345	2849	3170	3640	25071	259
SPRNBRK_-DUNWOODN_138_99941	99941	138	414	465	465	25245	166
SPRNBRK_-EGRDNCTR_345_Y49	Y49	345	693	940	1360	25105	692
SPRNBRK_-TREMONT__345_X28	X28	345	542	725	1220	25175	402
SPRNBRK_-W49TH_ST_345_M51	M51	345	832	979	1542	25053	447
SPRNBRK_-W49TH_ST_345_M52	M52	345	832	979	1542	25223	447
STA_1185-STA_180_-115_907	907	115	77	95	111	326235	16
STA_128_-STA_82__115_906	906	115	155	171	181	26303	7
STA_133_-STA_1185_115_933	933	115	117	129	149	326161	45
STA_135_-STA_230__115_929	929	115	282	298	313	325839	97
STA_158_-STA_128__115_924	924	115	155	171	179	26654	3
STA_162_-S.PERRY__115_906-7X	906-7X	115	143	157	167	25062	8
STA_162_-STA_1185_115_907	907	115	121	149	174	325254	29
STA_162_-STA_158__115_924	924	115	155	171	179	26653	21
STA_204__115_34__BK 1	BK 1	115	56	67	112	70539	30
STA_204__115_34__BK 2	BK 2	115	56	67	112	70540	31
STA_204_-S124____115_911	911	115	272	280	306	26307	82
STA_23__-S42____115_920	920	115	243	263	269	70027	0
STA_230_-QUAKERRD_115_929	929	115	282	298	313	325840	90
STA_251_-MORTIMER_115_901	901	115	222	234	278	25097	100
STA_251_-STA_33__115_943	943	115	245	261	283	326101	155
STA_262_-STA_33__115_943	943	115	400	640	640	326414	118
STA_33__115_34__BK10	BK 1_2	115	74	80	90	70541	37
STA_37__115_34__BK 8	BK 8	115	50	59	100	70542	32
STA_37_-STA_48__115_926	926	115	351	373	414	26314	64
STA_37_-STA_67__115_926	926	115	250	280	300	26313	96
STA_418_-STA_113__115_917	917_910	115	155	171	181	326069	52
STA_48__115_34__BK 6	BK 6	115	60	71	73	70544	22
STA_48__115_34__BK 9	BK 9	115	67	74	112	70543	22
STA_56_-QUAKERRD_115_23	23	115	176	180	180	26288	84
STA_56_-STA_82__115_23	43884	115	176	181	209	26287	48

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
STA_67_-ROCHESRG_115_922	922	115	343	391	416	26321	137
STA_67_-STA_418_115_910	910	115	225	239	239	326048	70
STA_67_-STA_82_115_903	903	115	343	416	433	26322	69
STA_69_-STA_71_115_945	945	115	129	145	161	326238	9
STA_69_-STA_93_115_917	917	115	151	167	175	326237	17
STA_7_-STA_48_115_919	919	115	282	299	314	26302	44
STA_7_-STA_48_115_927	927	115	304	335	349	326039	47
STA_7_-STA_93_115_917	917	115	143	149	159	26301	24
STA_70_-SPENCPR115_947	947	115	143	151	161	326343	27
STA_71_-STA_70_115_946	946	115	143	151	161	326342	9
STA_82_-MORTIMER_115_7X8272	7X8272	115	337	414	460	25098	135
STA_82_-ROCHESRG_115_904	904	115	608	657	657	25081	211
STA_82_-ROCHESRG_115_905	905	115	608	657	657	26305	198
STA_82_-STA_251_115_902	902	115	225	239	239	70058	27
STA_82_-STA_48_115_916	916	115	458	542	564	326055	80
STATE_ST-WRGHTAVE_115_976	976	115	231	239	239	26200	101
STERLING_138_69_BK 3	BK 3	138	237	320	408	26524	103
STERLING-RULAND_138_663	663	138	233	313	400	26498	103
STJHNVLE-MARSHVLE_115_11	11	115	159	159	159	26127	24
STLAWRNC_230A_230C_PS 33	PS 33	230	285	298	363	25118	0
STLAWRNC_230B_230D_PS 34	PS 34	230	356	375	525	25119	0
STLAWRNC-MOSES_230_L33P	L33P	240	409	489	519	25026	#VALUE!
STLAWRNC-MOSES_230_L34P	L34P	240	420	490	519	25037	0
STOLLERD_345_115_BK 3	BK 3	345	372	420	420	25461	2
STOLLERD_345_115_BK 4	BK 4	345	382	420	420	25462	2
STOLLERD-HISHELDN_230_67	67	230	506	556	603	25064	25
STONCREK-WETHSRFD_230_83	83	230	506	556	603	325973	61
STONER_-VAILMILL_115_12	12	115	121	121	121	25680	24
STONYRDG_230_115_BK1	BK1	230	291	336	336	325811	69
STONYRDG-HILLSIDE_230_72	72	230	610	669	737	325810	2
STURGNPL_115_69_BK8	TR 8	115	120	141	153	326293	11
STURGNPL-OHIOVLE_115_OR	OR	115	223	234	242	326294	53
SUGARISL-COLTON_115_4	4	115	222	234	278	26084	7
SUGRLOAF_345_138_BK1112	BK1112	345	425	451	475	326220	122
SUGRLOAF_69_138_BK 6108	BK 6108	138	194	234	309	26333	43
SUGRLOAF_69_138_BK 7108	BK 7108	138	192	226	253	25891	48
SUGRLOAF-STRLFRST_138_261	261	138	282	309	321	25326	61
SULLVNP-K-STONYRDG_115_712	712	115	277	320	320	325809	68
SUMMIT97-BUFALO78_115_130	129	115	239	317	317	326292	99
SUMMIT97-WALCK_RD_115_129	129	115	239	317	317	326289	77
SUNY_BUF-GARDNVLB_230_79	79-1	230	691	760	790	25165	175

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
SUNY_BUF-GARDNVLB_230_80	80-1	230	691	760	810	25196	170
SWANROAD-LOCKPORT_115_104	104	115	199	199	199	26050	0
SWANROAD-SHAWNERD_115_103	103	115	211	217	242	326181	62
SWEDEN_-BROCKP74_115_111	111	115	129	149	153	326130	32
SWEDEN_-BROCKP74_115_113	113	115	174	191	204	326132	26
SWEDEN_-MORTIMER_115_111	111	115	129	149	153	25347	5
SWEDEN_-MORTIMER_115_113	113	115	129	149	153	25348	7
SWEDEN_-SHELBY76_115_113	113	115	174	191	204	326131	22
SWETH224-GETZVL60_115_36	36	115	211	217	255	326365	19
SWETH224-GETZVL60_115_37	37	115	211	217	255	326366	19
SYLVANLK-PAWLING_115_990	990	115	239	239	239	26156	77
SYOSSET_138_69_BK 5	BK 5	138	258	304	338	26565	62
SYOSSET_-LOCUSTGR_138_559	559	138	520	580	657	25904	287
TALLMAN_-MONSEY_138_602	602	138	456	478	500	325609	76
TAYLORVL-BULYMO_115_6	6	115	128	135	145	26070	39
TAYLORVL-LOWVILLE_115_5	5-TL	115	128	135	152	26107	49
TEALLAVE-ASH_115_7-TA	7-TA	115	123	148	148	26063	40
TEALLAVE-ASH_115_8-AT	8-AT	115	123	148	148	26117	40
TEALLAVE-CROUSEHD_115_13	13	115	239	239	239	326066	12
TEALLAVE-PETERBOR_115_5	5	115	141	144	165	325164	60
TEALLAVE-SALCARBM_115_6	6	115	227	239	239	26154	66
TELGRAPH_115_34_114_BK 2	BK 2	115	66	79	79	26509	17
TELGRAPH_115_34_115_BK 1	BK 1	115	66	79	79	26013	18
TELGRAPH-AKRONVIL_115_107	107	115	231	231	231	26508	37
TELGRAPH-SHELBY76_115_114	114	115	129	149	153	25349	22
TEMPLE_-PEAT ST_115_10	10-TP	115	145	176	179	26715	46
TERMINAL-PORTER_115_6	6	115	243	249	297	326140	47
TERMINAL-SCHUYLER_115_7	7	115	141	144	165	326141	16
TICONDRG-REPUBLIC_115_914(2)	914(2)	115	71	71	71	26470	13
TILDEN_-DEWITT_115_19	19-TD	115	222	234	239	26092	118
TILYFSTR-CROTONFL_115_994	994	115	175	178	179	326413	5
TNWD206-OAKWD232_115_36	36	115	176	181	209	326368	48
TNWD206-OAKWD232_115_37	37	115	176	181	209	326371	48
TODDHILL-FISHKPLN_115_A	A	115	285	301	319	325157	50
TREMONT_138A_138B_BK 11	BK 11	138	271	329	377	25649	200
TREMONT_138C_138D_BK 12	BK 12	138	271	329	377	25650	200
TREMONT_345_138_BK 11	BK 11	345	299	350	407	25473	200
TREMONT_345_138_BK 12	BK 12	138	299	350	407	25474	200
TREMONT_-PARKCHTR_138_38X01	38X01	138	251	363	550	25120	100
TREMONT_-PARKCHTR_138_38X02	38X02	138	251	363	550	25121	100
TREMONT_-PARKCHTR_138_38X03	38X03	138	270	397	550	25122	99

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
TREMONT_-PARKCHTR_138_38X04	38X04	138	270	397	550	25123	101
TULLERHL-CLRKSCRN_115_1-716	1-716	115	156	170	181	26192	11
UNION_CH-BETHLMRD_115_UB	UB	115	171	188	202	326345	8
UNIONVAL-CROTONFL_115_991	991	115	239	239	239	326417	49
URBAN154-DALEROAD_115_39	39	115	211	217	255	326152	42
URBAN154-NEWWALDN_115_38	38	115	211	217	255	326151	43
VALKIN_-FT._ORAN_115_15	15	115	227	248	268	325685	92
VALLEY_-FAIRFIEL_115_12	12	115	141	144	165	325743	49
VALLYSTR_138A_138B_PAR	B_PAR	138	350	368	441	25607	100
VALLYSTR-BARRETT_138_291	291	138	203	288	465	25312	93
VALLYSTR-BARRETT_138_292	292	138	196	281	394	25313	105
VALLYSTR-EGRDNCTY_138_261	261	138	299	426	650	327260	51
VALLYSTR-EGRDNCTY_138_262	262	138	189	278	418	25244	86
VERNON__138A_138B_PAR R1	PAR R1	138	435	508	600	325712	0
VERNON_-GREENWD_138_31231	31231	138	195	249	310	25337	150
VERNON_-KENTAVE_138_31232	31232-1	138	195	249	310	26123	100
VERNON_-W49TH_ST_138_38M72	38M72	138	178	252	252	325122	0
VINGR_TP-VINEGAR_115_917 TAP	917 TAP	115	149	172	215	26455	8
VOLNEY_-CLAY__345_6	6	345	1431	1605	1881	25198	728
VOLNEY_-MARCY__345_19	19	345	1434	1793	2390	25345	570
W.NYACK_138_69_BK 221	BK 221	138	212	281	319	26334	53
W.NYACK_-SNKEHLRD_138_562	562	138	212	281	317	325906	53
W_ERIAVE-HICKLING_115_935	935	115	169	190	208	325568	6
W_ERIAVE-SULLVNPk_115_711	711	115	299	327	360	325808	48
W49TH_ST-E13THSTA_345_M54	M54	345	772	1009	1575	25228	261
W49TH_ST-E13THSTA_345_M55	M55	345	772	1009	1575	25222	258
WADNGRIV-NSHORBCH_138_878	878	138	564	600	682	325642	16
WADNGRIV-SHOREHAM_138_891	891	138	527	589	667	25342	16
WALCK_RD-BUFALO78_115_133	133	115	239	317	317	26153	113
WALDEN_-WALDN_A2_115_BK 1	BK 1	115	44	44	51	25429	9
WALDENNG-CALSPAN_115_54-921	54-921	115	227	249	268	26024	33
WALDENNG-GARDNVLB_115_182	182	115	211	217	242	26015	68
WALDENNG-GARDNVLB_115_38	38	115	211	216	242	26039	35
WALDWICK_345_230_BK1	BK1	345	622	763	850	25479	24
WALDWICK_345_230_BK2	BK2	345	630	768	841	25480	24
WALDWICK_345_230_BK3	BK3	345	690	852	952	25481	23
WALDWICK-SMAHWAH_345_J3410	J3410	345	743	1094	1974	25032	3
WALDWICK-SMAHWAH_345_K3411	K3411	345	746	1093	1975	25039	69
WALESVIL-CAVANARD_115_7	7	115	141	144	159	325213	35
WALESVIL-PORTER_115_3	3	115	141	144	165	326705	56
WARNSBRG-SCOFDRD_115_10	10	115	119	119	119	326148	33

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WARREN_-FALCONER_115_171	171	115	131	131	136	25015	0
WATKINRD-INGHAM_C_115_2	2-WI	115	141	144	159	25805	58
WATRCURE_345_230_BK 1	BK 1	345	494	590	600	25402	73
WATRCURE_345_230_BK 2	BK 2	345	519	599	599	327087	74
WATRCURE-OAKDALE_230_71	71	230	318	435	440	25179	23
WATRCURE-OAKDALE_345_31	31	345	1076	1076	1076	25178	110
WBALMVLE-MARLBORO_115_MW	MW	115	243	267	293	326090	8
WEST BUS-SILLSRD_138_873	873	138	572	614	680	325618	41
WESTMLTN-SODEMNRD_115_302	302	115	541	594	648	326824	11
WETHSRFD-S.PERRY_230_85	85	230	506	556	603	325623	98
WETZEL_-CLAY_115_7	7-CL	115	268	293	317	326207	15
WHAVSTOR-LOVETT_138_53	53	138	249	288	308	25884	4
WHAVSTOR-STONYPNT_138_542	542	138	282	309	321	326049	3
WHAVSTRW_345_138_BK 194	BK 194	345	451	546	619	25447	159
WHITEHAL-COMSTKNM_115_13	13	115	141	144	159	25903	21
WHITEHAL-TICONDRG_115_3	3	115	141	144	159	26471	28
WHITMAN_-ONEIDA_115_8	8	115	159	159	159	25894	13
WICCOPEE-SHENDOAH_115_FS	FS	115	243	260	282	325773	23
WILDWOOD_138_69_BK 4	BK 4	138	258	304	338	26550	87
WILDWOOD-RIVRHEAD_138_890	890	138	374	396	438	25905	122
WILLET_-ENORWICH_115_945	945-1	115	149	172	179	25732	47
WILLIS_230_115_AT1	BK 1	230	167	195	218	25388	33
WILLIS_230_115_AT2	BK 2	230	167	195	218	25390	33
WILLIS_-CHAT_TAP_115_1(911)	1(911)	115	173	191	205	26204	15
WILLIS_-PATNODE_230_WPN-1	WPN-1	230	530	582	612	325565	1
WILLIS_-RYAN_230_WRY-2	WRY-2	230	478	478	591	325566	61
WILLWBRK-FRESHKLS_138_29211	29211-2	138	207	275	450	25319	163
WILLWBRK-FRESHKLS_138_29212	29212-2	138	207	275	450	25320	162
WOLF_RD_-EVERTRD_115_10	10	115	140	140	140	26255	60
WOOD_ST_345_115_BK 1	BK 1	345	350	400	420	25437	111
WOOD_ST_345_115_BK 2	BK 2	345	358	412	420	25438	88
WOOD_ST_-MILLWOOD_345_W80	W80	345	1976	2387	2895	25148	715
WOOD_ST_-MILLWOOD_345_W81	W81	345	1976	2387	2895	25525	715
WOOD_ST_-PLSNTVLE_345_Y86	Y86	345	2409	2679	3406	25358	849
WOOD_ST_-PLSNTVLE_345_Y87	Y87	345	2103	2282	2542	25132	813
WOODLAWN-RUTHROAD_115_12	12	115	222	234	268	26490	27
WOODSTNY-AMAWALK_115_996	996	115	261	287	311	25574	61
WOODSTNY-KATONAH_115_901	901	115	271	293	303	326481	43
WRGHTAVE-MILLIKEN_115_973	973	115	231	260	286	26195	64
WTRVLARS-GERENSLR_115_31	31	115	156	170	181	26423	68
WWDBURNY_115_69_BK 1	BK 1	115	50	50	50	25404	21

Equipment Name	Line ID	KV	NOR	LTE	STE	PTID	MW Flow
WYNTKLN-REYNOLDS_115_13-988	13-WR	115	227	248	268	26143	68
WYNTKLN-WYNTKLN_115_BK 2	BK2	115	64	65	72	26489	7
YAHNUNDA-DEBALSO_115_3	3	115	152	159	159	26515	53
YAWGERRD-RIDGE_RD_115_963	963	115	271	279	307	326312	26
YOUNG214-HUNTLEY_115_133	133	115	211	217	242	26042	90
YOUNG214-SWETH224_115_36	36	115	211	217	255	326364	12

Appendix E – INTERFACE DEFINITIONS

NYISO OPERATING INTERFACES & OASIS TRANSMISSION PATHS

DYSINGER EAST		
West (Zone A) – Genesee (Zone B)		
Name	Line ID	Voltage (kV)
*Somerset-Rochester (Station 80)	SR1-39	345
Niagara-Rochester (Station 80)*	NR2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport- Sweden 1	111	115
*Lockport-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

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

* indicates the metered end of the circuit

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

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

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

* indicates the metered end of the circuit

TOTAL EAST		
Mohawk Valley (Zone E) – Capital (Zone F)		
Name	Line ID	Voltage (kV)
Edic-New Scotland*	14	345
Marcy-New Scotland*	18	345
*Fraser-Gilboa	GF5-35	345
Porter-Rotterdam*	30	230
Porter-Rotterdam*	31	230
East Springfield-Inghams*	7-942	115
*Inghams PAR	PAR	115
*Inghams Bus Tie	R81	115
Mohawk Valley (Zone E) – Hudson Valley (Zone G)		
Middletown-Rock Tavern*	CCRT34	345
Coopers Corners-Dolson Ave.*	CCDA42	345
Middletown 345*/138	BK114	345/138
West Woodbourne 115/69*	BK1	115/69
North (Zone D) – ISONE (Zone N)		
*Plattsburgh-Sand Bar	PV20	115
PJM East (Zone P) – Hudson Valley (Zone G)		
Hopatcong-Ramapo*	5018	500
*Waldwick-S. Mahwah	J3410	345
*Waldwick-S. Mahwah	K3411	345
PJM East (Zone P) – NYC (Zone J)		
Marion-Farragut*	C3403	345
Hudson-Farragut*	B3402	345
Linden-Goethals*	A2253	230
PJM (Rockland Electric) – Hudson Valley (Zone G)		
*Cresskill-Sparkill	751	69
*Harings Corners-W. Nyack	701	69
*Harings Corners-Corporate Drive	703	138
*Montvale-Bluehill	44	69
*Montvale-Bluehill	43	69
*Montvale-Pearl River	491	69
*Harings Corners-Pearl River	45	34
*S. Mahwah-Ramapo	51	138
*S. Mahwah-Hilburn	65	69
S. Mahwah 138*/345	BK258	138/345

* indicates the metered end of the circuit

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

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

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

* indicates the metered end of the circuit

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

* indicates the metered end of the circuit

WESTERN EXPORT		
West (Zone A) – Ontario South (Zone O)		
Name	Line ID	Voltage (kV)
Beck-Niagara*	PA301	345
Beck-Niagara*	PA302	345
Beck-Niagara*	PA27	230
*Beck-Packard	BP76	230
West (Zone A) – PJM West		
*Pierce Brook-Five Mile Road	37	345
Erie East-South Ripley*	69	230
*Warren-Falconer	171	115
West (Zone A) – Genesee (Zone B)		
*Somerset-Rochester (Station 80)	SR1-39	345
Niagara-Rochester (Station 80)*	NR2	345
*Lockport-N. Akron	108	115
*Lockport-Oakfield	112	115
*Lockport-Sweden 1	111	115
*Lockport-Shelby	113	115
*Lockport-Telegraph	107	115
*Lockport-Telegraph	114	115
West (Zone A) – Central (Zone C)		
*Stolle Road-High Sheldon	67	230
*Andover-Palmiter	157-932	115

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

* indicates the metered end of the circuit

Appendix F – ANNOTATED TARA OUTPUT

This Section Is Available Electronically If Requested

Appendix G – COMPARISON OF TRANSFER LIMITS WINTER 2020-21 VS. 2019-20

Comparison of Winter 2020-21 to Winter 2019-20 Thermal Limits

		WINTER 2020-21		WINTER 2019-20		
Interface		Limit (MW)	Contingency	Limit (MW)	Contingency	Delta
Dysinger East	Normal	2225	1	2200	1	25
	Emergency	2825	3	3000	2	-175
UPNY - ConEd	Normal	5900	17	5625	4	275
	Emergency	7325	5	5950	5	1375
UPNY - SENY	Normal	4250	17			
	Emergency	5800	5			
Sprain Brook Dunwoodie- South	Normal	4075	6	4075	6	0
	Emergency	4250	7	4250	7	0
Con Ed - LIPA	Normal	1000	8	1000	8	0
	Emergency	1700	9	1675	9	25
Central East	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	2850	10	2950	10	-100
	Emergency	3225	11	3300	11	-75
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	2850	10	2925	10	-75
	Emergency	3225	11	3300	11	-75
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	2850	10	2925	10	-75
	Emergency	3225	11	3300	11	-75
Total East ¹	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	4200	18	5175	12	-975
	Emergency	5000	5	5175	5	-175
	MSC-7040 FLOW		0 MW		0 MW	
	Normal	4175	18	5150	12	-975
	Emergency	5025	5	5150	5	-125
	MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
	Normal	4175	18	5150	12	-975
	Emergency	5025	5	5150	5	-125
Moses - South	MSC-7040 FLOW	HQ -> NY	600 MW	HQ -> NY	600 MW	
	Normal	1750	14	1725	14	25
	Emergency	2275	15	2275	15	0
	MSC-7040 FLOW		0 MW		0 MW	

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

Normal	1275	13	1275	13	0
Emergency	2325	16	2325	16	0
MSC-7040 FLOW	NY -> HQ	600 MW	NY -> HQ	600 MW	
Normal	725	13	725	13	0
Emergency	1625	16	1625	16	0

NYISO WINTER 2020-21 CROSS-STATE THERMAL LIMIT CONTINGENCY LIST

	Limiting Element				Contingency
(1)	Niagara – Packard (61) 230 kV	@STE	949 MW	L/O	Beck – Packard (BP76) 230 kV Niagara – Packard (62) 230 kV
(2)	Niagara 230/115 kV (AT1) Transformer	@STE	288 MW	L/O	Niagara – Robinson Rd. (64) 230 kV
(3)	Hinman – Lockport (100) 115 kV	@STE	317 MW	L/O	Robinson – Stolle Road (65) 230 kV
(4)	Leeds – Pleasant Valley (92) 345kV	@LTE	1783 MW	L/O	Athens – Pleasant Valley (91) 345kV
(5)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@STE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART-44) 345 kV
(6)	Dunwoodie – Mott Haven (71) 345kV	@MTE	1083 MW	L/O	Dunwoodie – Mott Haven (72) 345kV
(7)	Dunwoodie – Mott Haven (71) 345kV	@NORM	741 MW		Pre – Contingency Loading
(8)	Dunwoodie – Shore Rd. (Y50) 345kV	@LTE	977 MW	L/O	(SB RNS2 @ Sprain Brook 345 kV) Sprain Brook – East Garden City (Y49) 345 kV Sprain Brook – Academy (M29) 345 kV
(9)	Dunwoodie – Shore Rd. (Y50) 345 kV	@NORM	741 MW		Pre – Contingency Loading
(10)	New Scotland – Leeds (93) 345kV	@LTE	1692 MW	L/O	New Scotland – Leeds (94) 345kV
(11)	New Scotland – Leeds (93) 345kV	@STE	1912 MW	L/O	New Scotland – Leeds (94) 345kV
(12)	Coopers Corners – Middletown TAP (CCRT34) 345 kV	@LTE	1793 MW	L/O	Dolson Ave – Rock Tavern (DART-44) 345 kV
(13)	Moses – Adirondack (MA2) 230 kV	@LTE	473 MW	L/O	Moses–Massena (MMS-1) 230 kV Moses–Massena (MMS-2) 230 kV
(14)	Moses – Adirondack (MA2) 230 kV	@LTE	473 MW	L/O	Chateauguay – Massena (MSC-7040) 765 kV Massena – Marcy (MSU1) 765 kV and TransÉnergie delivery
(15)	Marcy 765/345 kV (AT1) Transformer	@STE	1756 MW	L/O	Marcy 765/345 kV (AT2) Transformer
(16)	Moses–Massena (MMS1) 230 kV	@LTE	1593 MW	L/O	Moses–Massena (MMS2) 230 kV
(17)	Buchanan North – Buchanan (95891) 138 kV	@LTE	296 MW	L/O	Buchanan – East View (W93) 345 kV
(18)	Ramapo – Buchanan	@LTE	2015 MW	L/O	Pleasant Ville – Dunwoodie (W90) 345 kV Wood St – Pleasant Ville (Y86) 345 kV

	(Y94) 345 kV		East Fishkill – Wood Street (F38) 345 kV East Fishkill – Wood Street (F39) 345 kV Wood Street – Pleasant Ville (Y87) 345 kV Wood Street 345/115 kV (1) Transformer
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Appendix H – DISTRIBUTION FACTORS

Table-1 DISTRIBUTION FACTORS FOR DYSINGER EAST CIRCUITS										
Monitored Element				Base Flow	TRANSFER	NIAGAR-ROCH	SOMMERSET-ROCH	STOLLE-HIGHSHELDON	LOCKPT-SHEL	LOCKPT-SOUR
NIAG 345	345	ROCH 345	345 1	106.965	36.33%	TRIP	54.33%	20.01%	20.16%	22.22%
SOMERSET345	345	ROCH 345	345 1	73.3	24.78%	44.79%	TRIP	13.65%	13.75%	15.16%
STOLE230	230	SHLDN230	230 1	25.3	11.20%	7.06%	5.89%	TRIP	5.49%	6.05%
PALMT115	115	ANDOVER1	115 1	-16	1.66%	1.26%	1.04%	10.60%	1.06%	1.17%
LOCKPORT	115	SHEL-113	115 1	32.3	2.73%	4.31%	3.57%	3.33%	TRIP	15.06%
LOCKPORT	115	NAKR-108	115 1	38.3	1.00%	1.58%	1.31%	1.22%	3.58%	3.87%
LOCKPORT	115	OAKFLDTP	115 1	40.3	1.13%	1.77%	1.47%	1.37%	4.00%	4.33%
LOCKPORT	115	SOUR-111	115 1	27.9	2.78%	4.38%	3.62%	3.38%	13.88%	TRIP
LOCKPORT	115	TELRD107	115 1	54.9	1.29%	2.03%	1.68%	1.57%	6.24%	6.14%
LOCKPORT	115	TELRD114	115 1	39	2.73%	4.31%	3.56%	3.33%	18.69%	11.48%
SUB-TOTALS					85.62%	71.49%	76.47%	58.46%	86.84%	85.49%
L33P-L34P				0	0.00%	9.70%	8.03%	7.63%	3.58%	3.94%
PJM-NYISO				864.3	14.47%	18.61%	15.40%	33.78%	9.50%	10.47%
TOTALS					100.09%	99.80%	99.89%	99.86%	99.91%	99.90%

Table-2 DISTRIBUTION FACTORS FOR WEST CENTRAL CIRCUITS

Monitored Element	Base Flow	TRANSFER	CLAY-PANNELL	PANNEL-CLAY	STOLLE-SHLDN	PANNEL-FARM	S121-SLEGH
CLAY 345 PANNELL3 345 1	-330.7	29.05%	TRIP	57.22%	10.42%	20.72%	19.89%
CLAY 345 PANNELL3 345 2	-331.8	29.14%	57.30%	TRIP	10.46%	20.78%	19.95%
STOLE230 230 SHLDN230 230 1	25.3	2.22%	3.14%	3.15%	TRIP	7.49%	2.48%
FRMGTN-4 115 PANNELLI 115 1	109.2	9.59%	6.51%	6.53%	7.81%	TRIP	16.89%
LAWLER-1 115 MORTIMER 115 1	48.5	4.26%	2.65%	2.66%	1.24%	14.26%	4.27%
MACDN115 115 QUAKER 115 1	28.3	2.49%	0.50%	0.51%	0.35%	3.29%	18.76%
MORTIMER 115 LAWLER-2 115 1	27.2	2.39%	2.91%	2.92%	1.15%	5.91%	4.79%
SLEIG115 115 S121 B#2 115 1	49.2	4.32%	4.01%	4.02%	1.66%	10.84%	TRIP
PALMT115 115 ANDOVER1 115 1	-16	1.41%	0.29%	0.29%	10.60%	2.16%	0.44%
S.PER115 115 STA 162 115 1	7.6	0.67%	1.97%	1.97%	14.76%	4.44%	2.04%
SUB-TOTALS		85.53%	79.29%	79.26%	58.45%	89.89%	89.50%
L33P-L34P	0	0.00%	7.11%	7.12%	7.63%	2.14%	3.09%
PJM-NYISO	864.3	14.47%	13.44%	14.46%	33.78%	7.59%	7.34%
TOTALS		100.00%	99.84%	100.84%	99.86%	99.62%	99.93%

Table-3 DISTRIBUTION FACTORS FOR TOTAL EAST CIRCUITS

Monitored Element				Base Flow	TRANSFER	EDIC34-NSCOT	FRASER-GILBA	MARCY3-NSCOT	HOPATCONG-RAMPO	PORTER-RTRDM
COOPC345	345 DOLSON_AVE	345 2		225.079	16.07%	6.35%	17.42%	6.66%	4.92%	3.74%
EDIC	345 N.SCOT77	345 1		433.444	18.30%	TRIP	19.62%	32.93%	2.79%	14.01%
FRASR345	345 GILB 345	345 1		46.682	18.49%	23.41%	TRIP	23.96%	2.95%	9.58%
N.SCOT99	345 MARCY T1	345 1		476.091	19.68%	34.66%	21.13%	TRIP	2.99%	14.84%
ROCK TAV	345 MDTN TAP	345 1		277.909	14.54%	6.12%	16.47%	6.41%	3.97%	3.59%
SMAHWAH1	345 WALDWICK	345 1		9.251	-0.15%	2.04%	1.54%	2.08%	30.85%	1.17%
SMAHWAH2	345 WALDWICK	345 1		-57.853	0.14%	1.99%	1.61%	2.03%	30.17%	1.15%
PORTER 2	230 ROTRDM.2	230 1		149.75	4.57%	5.50%	3.15%	5.53%	0.63%	TRIP
PORTER 2	230 ROTRDM.2	230 2		151.913	4.64%	5.58%	3.20%	5.53%	0.64%	33.06%
MDTN TAP	345 SHOEMTAP	138 1		187.928	2.14%	0.33%	1.34%	0.36%	1.32%	0.21%
SMAHWAH1	345 SMAH138	138 1		-97.614	0.42%	-0.06%	0.11%	-0.06%	-0.85%	-0.03%
CORPORATE DR	138 HCOR138	138 1		-34.334	0.00%	0.00%	0.00%	0.00%	0.02%	0.00%
RAMP138	138 SMAH138	138 1		-54.696	-0.24%	0.05%	-0.05%	0.05%	0.76%	0.03%
E.SPR115	115 INGHAM-E	115 1		-32.027	1.06%	-0.22%	2.55%	-0.21%	0.17%	1.00%
INGMS-CD	115 INGHAM-E	115 1		119.936	0.00%	3.61%	0.70%	3.63%	0.32%	9.82%
NE_PV20_NY	115 PLAT T#3	115 1		105.931	0.00%	2.70%	1.83%	3.15%	0.65%	3.13%
W.WDB115	115 W.WDBR69	69.0 1		20.679	0.52%	0.45%	1.10%	0.48%	0.00%	0.34%
BLUHILL	69.0 MONTVALE	69.0 1		1.433	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL	69.0 MONTVALE	69.0 2		1.433	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69	69.0 SMAH69	69.0 1		-10.794	-0.25%	-0.03%	-0.10%	-0.01%	-0.05%	0.00%
L491T	69.0 MONTVALE	69.0 1		-19.099	0.02%	0.01%	0.01%	0.02%	0.06%	0.00%
SPARKILL	69.0 CRESSKIL	69.0 1		0	0.00%	0.01%	O/S	O/S	O/S	O/S
WNYA69	69.0 HCOR69	69.0 1		-9.858	0.03%	0.01%	0.01%	0.00%	0.05%	0.00%
PEARL34	34.5 HCOR34	34.5 1		-1.316	0.00%	-0.01%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS					99.99%	92.50%	91.64%	92.56%	82.34%	95.63%
RAMAPO 5	500 HOPATCONG	500 1		202.019	0.00%	3.38%	3.00%	3.47%	TRIP	1.96%
NEPTCONV	345 NWBRG	345 1		667.7	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
COGNTECH	345 G22_VFT345KV	345 1		314.248	0.00%	0.81%	1.14%	0.83%	3.85%	0.49%
B3402 PAR1	345 MARION	345 1		0	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345 MARION	345 1		0	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS	230 LINDEN	230 1		0.108	0.00%	2.84%	1.14%	2.92%	13.45%	1.71%
TOTALS					99.99%	99.54%	96.93%	99.78%	99.64%	99.79%

Table-4 DISTRIBUTION FACTORS FOR UPNY-CONED CIRCUITS

Monitored Element				Base Flow	TRANSFER	RAMAPO-BUCHN	PLVLLY-FISHK	PLVLLY-MILLW	ROSETN-FISHK
BUCHANAN S	345	LADENTWN	345 1	O/S	O/S	O/S	O/S	O/S	O/S
BUCHANAN N	345	RAMAPO	345 1	925.029	23.66%	TRIP	-2.20%	13.95%	31.32%
E FISHKILL	345	PLTVLLEY	345 1	334.021	7.40%	-7.72%	TRIP	22.93%	32.33%
E FISHKILL	345	PLTVLLEY	345 2	334.021	7.40%	-7.72%	66.42%	22.93%	32.33%
MILLWOOD	345	PLTVLLEY	345 1	780.665	18.81%	17.65%	8.27%	TRIP	-6.10%
PLTVLLEY	345	WOOD B	345 1	807.199	18.53%	17.21%	8.68%	37.83%	-5.90%
ROSETON	345	E FISHKILL	345 1	1257.4	21.29%	50.55%	14.87%	-7.78%	TRIP
E FISH I	115	E FISHKILL	345 1	-141.29	1.88%	2.06%	2.60%	-0.26%	6.95%
E FISH I	115	E FISHKILL	345 2	0	0.00%	O/S	O/S	O/S	O/S
FISHKILL	115	SYLVN115	115 1	90.875	1.04%	1.18%	-0.07%	0.92%	0.70%
SUB TOTALS					100.00%	73.21%	98.57%	90.52%	91.64%
B3402 PAR1	345	MARION	345 1	0	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345	MARION	345 1	0	O/S	O/S	O/S	O/S	O/S
GOETHALS	230	LINDEN	230 1	0	0.00%	17.35%	-0.22%	3.20%	6.72%
COGNTECH	345	G22_VFT345KV	345 1	314.248	0.00%	4.97%	-0.06%	0.92%	1.92%
NRTHPT P	138	NRTHPT1	138 1	100.009	0.00%	4.46%	1.71%	5.36%	-0.28%
TOTALS					100.00%	100.00%	100.00%	100.00%	100.00%

Table-5 DISTRIBUTION FACTORS FOR SPRAINBROOK DUNWOODIE SOUTH CIRCUITS

Monitored Element			Base Flow	TRANSFER	DUNWDE-RAINY	SPRAIN-TRMNT	SPRAIN-W49TH	VSTR-KMAICA	LKSUC-JMAICA
REAC71	345 MOTT HAVEN	345 3	416.411	28.62%	TRIP	6.52%	24.76%	11.79%	12.45%
REAC72	345 MOTT HAVEN	345 4	406.67	27.95%	57.28%	6.36%	24.15%	11.50%	12.14%
SPRAINBROOK	345 TREMONT	345 1	400.774	0.00%	0.38%	TRIP	0.56%	3.68%	3.61%
SPRAINBROOK	345 ACADEMY	345 1	300.83	0.00%	0.32%	19.01%	0.47%	3.05%	3.00%
W 49 ST	345 REACM51	345 1	482.91	21.72%	19.04%	7.36%	TRIP	10.25%	9.70%
W 49 ST	345 REACM52	345 2	482.91	21.72%	19.04%	7.36%	45.87%	10.25%	9.70%
DUN NO1R	138 S CREEK W	138 1	114.715	0.00%	0.24%	10.78%	0.19%	1.75%	1.75%
DUN NO2R	138 S CREEK E	138 1	114.885	0.00%	0.31%	13.72%	0.24%	2.22%	2.22%
DUN SO1R	138 E179 ST W	138 1	179.795	0.00%	0.44%	19.81%	0.36%	3.21%	3.20%
JAMAICA	138 V STRM P	138 1	199.629	0.00%	0.74%	3.94%	0.84%	TRIP	41.17%
JAMAICA	138 L SUCSPH	138 1	99.909	0.00%	0.77%	3.82%	0.78%	40.66%	TRIP
SUB-TOTALS				100.00%	98.56%	98.67%	98.22%	98.34%	98.94%
B3402 PAR1	345 MARION	345 1	0	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2	345 MARION	345 1	0	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS	230 LINDEN	230 1	0	0.00%	1.12%	1.04%	1.38%	1.29%	0.83%
COGNTECH	345 G22_VFT345KV	345 1	311.41	0.00%	0.32%	0.30%	0.40%	0.37%	0.24%
TOTALS				100.00%	100.00%	100.00%	100.00%	100.01%	100.00%

Table-6 DISTRIBUTION FACTORS FOR MOSES SOUTH CIRCUITS								
Monitored Element				Base Flow	TRANSFER	MASSEN-MARCY	MOSES-ADRONB2	
MARCY765	765	MASS	765 1	667.3	79.53%	TRIP	70.61%	
ADRON B1	230	MOSES W	230 1	0	0.00%	O/S	O/S	
ADRON B2	230	MOSES W	230 1	91.1	13.16%	29.35%	TRIP	
ALCOA-NM	115	BRADY	115 1	20	1.16%	2.59%	1.16%	
ALLENS F	115	COLTON	115 1	8.2	1.66%	2.16%	0.99%	
ANDRWS-4	115	DENNISON	115 1	17.2	2.25%	4.99%	2.23%	
DENNISON	115	LWRNCE-B	115 1	15.3	2.25%	4.99%	2.23%	
SUB TOTALS					100.00%	44.06%	77.22%	
MOSES E	230	ST_LAWR_L33P	230 1	0	0.00%	O/S	O/S	
MOSES E	230	ST_LAWR_L34P	230 1	0.1	0.00%	39.90%	15.88%	
MOSES W	230	WILLIS E	230 1	-1.5	0.77%	8.01%	3.44%	
MOSES W	230	WILLIS W	230 1	-1.5	0.76%	7.96%	3.43%	
TOTALS					101.53%	99.93%	99.96%	

Table-7 DISTRIBUTION FACTORS FOR NEISO NYISO CIRCUITS								
Monitored Element				Base Flow	TRANSFER	ALPS34-MANY	CV.345-LNGMT	Eastover-Bearswamp
NE_393_NY	345	ALPS345	345 1	84.29	33.86%	TRIP	37.22%	37.71%
NE_398_NY	345	CKTVLLEY	345 1	-166.5	52.99%	48.84%	TRIP	24.50%
NE_E205W_NY	230	EASTOVER RD	230 1	8.464	8.96%	16.33%	8.09%	TRIP
NE_K7_NY	115	WHITEHAL	115 1	-0.002	0.00%	8.47%	4.25%	8.85%
NE_K6_NY	115	HOOSICK	115 1	-6.385	3.12%	7.85%	2.84%	19.31%
NE_PV20_NY	115	PLAT T#3	115 1	-105.94	0.00%	7.26%	5.05%	3.67%
NE_690_NY	69.0	SMITHFLD	69.0 1	2.518	1.06%	1.02%	2.85%	0.58%
NE_601_NY	138	NRTHPT P	138 1	33.513	0.00%	3.16%	13.02%	1.64%
NE_602_NY	138	NRTHPT P	138 2	33.409	0.00%	3.15%	12.98%	1.64%
NE_603_NY	138	NRTHPT P	138 3	33.186	0.00%	3.13%	12.90%	1.63%
SHM DC	138	SHOREHAM2	138 1	329.503	0.00%	0.00%	0.00%	0.00%
TOTALS					100.00%	99.19%	99.20%	99.51%

Table-8 DISTRIBUTION FACTORS FOR ONTARIO NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFER	BECKA-NIA301	BECKB-NIA302	PA27-NIAGAR	BP76-PACKD2
NIAG 345 345 BECK_#2_H301 345 1	0.646	32.66%	TRIP	56.44%	33.98%	31.79%
NIAG 345 345 BECK_#2_H302 345 1	0.649	32.66%	56.44%	TRIP	33.98%	31.79%
NIAGAR2W 230 BECK_#2_PA27 230 1	-36.236	17.98%	20.66%	20.66%	TRIP	29.90%
PACKARD2 230 BECK_#2_BP76 230 1	29.9	16.70%	16.87%	16.87%	26.10%	TRIP
MOSES E 230 ST_LAWR_L33P 230 1	0	0.00%	O/S	O/S	O/S	O/S
MOSES E 230 ST_LAWR_L34P 230 1	-0.18	0.00%	2.20%	2.20%	1.90%	1.99%
SUB-TOTALS		100.00%	96.17%	96.17%	95.95%	95.47%
1 ON-MICH	-0.7	0.00%	3.56%	3.56%	3.77%	4.22%
TOTALS		100.00%	99.74%	99.74%	99.72%	99.68%

Table-9 DISTRIBUTION FACTORS FOR PJM-NYISO CIRCUITS

Monitored Element	Base Flow	TRANSFER	HOPATCONG-RAMPO	WALDWK-SMAWA	PIERCE-5MILE	MAIN-WATER	E. TOWD-HILLS	ERIE-SRIPLEY
RAMAPO 5 500 HOPATCONG 500 1	202.037	0.00%	TRIP	4.40%	8.11%	9.67%	9.30%	6.93%
COGNTECH 345 G22 VFT345KV 345 1	314.248	0.00%	3.85%	0.56%	1.28%	1.50%	1.23%	1.10%
B3402 PAR1 345 MARION 345 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
C3403 PAR2 345 MARION 345 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
GOETHALS 230 LINDEN 230 1	0.119	0.00%	13.44%	1.96%	4.48%	5.28%	4.30%	3.87%
NEPTCONV 345 NWBRG 345 1	661.099	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SMAHWAH1 345 WALDWICK 345 1	-2.292	-0.07%	30.85%	91.15%	5.42%	6.58%	5.33%	4.70%
SMAHWAH2 345 WALDWICK 345 1	-68.925	0.07%	30.17%	TRIP	5.11%	6.20%	5.01%	4.43%
5MILE345 345 26PIERCEBRK 345 1	54.131	24.51%	2.66%	0.24%	TRIP	14.11%	5.57%	32.15%
NY HOMER STO 345 26HOMER CY 345 Z1	178.017	15.66%	1.73%	0.16%	-55.16%	10.01%	0.87%	11.20%
NY PIERCEBRK 345 26PIERCEBRK 345 Z1	-176.67	-15.66%	-1.73%	-0.16%	55.16%	-10.01%	-0.87%	-11.20%
WATRC345 345 26MAINESBURG 345 1	37.908	28.13%	4.00%	0.37%	17.81%	TRIP	27.12%	8.15%
NY HOMER WAT 345 26HOMER CY 345 Z1	94.987	23.36%	3.10%	0.30%	13.08%	-62.30%	11.13%	7.35%
NY MAINESBUR 345 26MAINESBURG 345 Z1	-94.987	-23.36%	-3.10%	-0.30%	-13.08%	62.30%	-11.13%	-7.35%
HILSD230 230 26E.TWANDA 230 1	20.628	22.31%	4.13%	0.32%	7.56%	29.16%	TRIP	5.68%
S RIPLEY 230 26ERIE E 230 1	-54.12	10.75%	1.07%	0.10%	15.12%	3.04%	1.97%	TRIP
SMAHWAH1 345 SMAH138 138 1	-96.983	0.19%	-0.85%	-3.47%	-0.42%	-0.52%	-0.43%	-0.36%
FALCONER 115 26WARREN 115 1	0	0.00%	O/S	O/S	O/S	O/S	O/S	O/S
N.WAV115 115 26E.SAYRE 115 1	-1.394	7.55%	1.36%	0.11%	2.87%	8.58%	23.46%	1.84%
WESTOVER115 115 26LAUREL L 115 1	-63.374	6.75%	1.29%	0.10%	1.25%	3.38%	8.59%	0.93%
CORPORATE DR 138 HCOR138 138 1	-34.339	-0.01%	0.02%	0.05%	0.00%	0.00%	0.00%	0.00%
RAMP138 138 SMAH138 138 1	-55.155	-0.11%	0.76%	2.78%	0.29%	0.36%	0.30%	0.25%
BLUHILL 69.0 MONTVALE 69.0 1	1.433	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
BLUHILL 69.0 MONTVALE 69.0 2	1.433	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
HILB69 69.0 SMAH69 69.0 1	-10.958	-0.11%	-0.05%	0.41%	0.15%	0.19%	0.14%	0.13%
L491T 69.0 MONTVALE 69.0 1	-19.104	0.01%	0.06%	0.12%	0.00%	0.00%	0.00%	0.00%
SPARKILL 69.0 CRESSKIL 69.0 1	O/S	O/S	O/S	O/S	O/S	O/S	O/S	O/S
WNYA69 69.0 HCOR69 69.0 1	-9.855	0.01%	0.05%	0.08%	0.00%	-0.01%	0.00%	0.00%
PEARL34 34.5 HCOR34 34.5 1	-1.316	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
SUB-TOTALS		99.99%	92.78%	99.29%	69.03%	87.51%	91.86%	69.80%
1 MICH-ON	-0.7	0.00%	6.34%	0.59%	28.54%	11.28%	7.40%	27.87%
TOTALS		99.99%	99.12%	99.88%	97.57%	98.78%	99.27%	97.67%