APPENDIX 5.3.1B

BASE CASE POWER FLOW RESULTS

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CASE :CEII 2005 FERC FORM NO. 715, 2011 SUM BASE V4
2005 SUMMER PEAK, LEVEL 5 (04/01/05)

STATION VOLTAGES

BOWLINE1 345 = 355.3	BOWLINE2 345 = 355.2	BUCH S 345 = 350.2
CLAY 345 = 357.7	COOPC345 345 = 350.9	DUNWODIE 345 = 347.9
EDIC 345 = 352.5	FARRAGUT 345 = 356.7	FRASR345 345 = 357.2
GRDNVL2 230 = 228.2	GILB 345 345 = 358.3	GOTHLS N 345 = 362.2*
GOWANUSN 345 = 361.1	LADENTWN 345 = 353.4	LEEDS 3 345 = 353.8
MARCY T1 345 = 352.5	MILLWOOD 345 = 347.5	N.SCOT77 345 = 352.4
N.SCOT99 345 = 352.4	NIAGAR2E 230 = 234.6	NIAGAR2W 230 = 234.6
NIAG 345 345 = 357.2	NRTHPRT1 138 = 142.9	OAKDL345 345 = 354.0
PANNELL3 345 = 357.4	PLTVLLEY 345 = 346.9	RAINEY 345 = 358.8
RAMAPO 345 = 351.8	RAMAPO 5 500 = 505.8	ROCK TAV 345 = 350.5
ROSETON 345 = 352.8	KINTI345 345 = 358.8	SPRBROOK 345 = 348.0
ROCH 345 345 = 356.6	MOSES W 230 = 236.9	WATRC230 230 = 231.8
CHA-NY 765 = 760.4	MARCY765 765 = 776.8	MASS 765 765 = 766.3
FISHKILL 345 = 349.3	HURLEY 3 345 = 351.3	SHORE RD 345 = 346.9
VOLNEY 345 = 361.1	WATRC345 345 = 343.8	DUNKIRK 230 = 239.2
MEYER230 230 = 226.8	OAKDL230 230 = 223.6	ROTRDM.2 230 = 231.1
CHANY2 120 = 123.9	CHANY1 120 = 123.9	ALB3 115 = 119.0
BATH 115 115 = 115.4	BORDR115 115 = 115.1	CLAY 115 = 113.3
DELHI115 115 = 118.2	E.NOR115 115 = 117.2	FALCONER 115 = 115.0
GOUDY115 115 = 112.1	MEYER115 115 = 116.0	MOS 115 115 = 120.8*
NIAG115E 115 = 118.4	NIAG115W 115 = 118.4	N.WAV115 115 = 114.1
OAKDL115 115 = 111.8	PLAT T#3 115 = 118.6	PL.VAL 1 115 = 117.1
PORTER 1 115 = 119.3	ROCK TV1 115 = 117.4	RTRDM1 115 = 115.0
SHENANDO 115 = 116.3	S82-1115 115 = 116.7	

GENERATOR/SVC QUANTITIES

GENERATOR	MW	PMAX	PMIN	MVAR	QMAX	QMIN	VSCHED	VTBUS
GILBOA#117.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0261
GILBOA#217.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0259
GILBOA#317.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0259
GILBOA#417.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9901
9M PT 1G23.0	626.0	626.0	300.0	113.1	340.0	0.0	1.0500	1.0242
9M PT 2G25.0	1212.0	1212.0	700.0	206.2	360.0	50.0	1.0500	0.9968
OSWGO 5G22.0	858.7	881.0	250.0	340.0	340.0	-240.0	1.0500	1.0191
OSWGO 6G22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9893
JAFITZ1G24.0	848.8	848.8	230.0	213.7	375.0	-300.0	1.0500	0.9963
SITH-G1 18.0	115.0	170.0	0.0	25.6	126.9	-80.0	1.0500	0.9870
SITH-G2 18.0	115.0	170.0	0.0	25.6	126.9	-80.0	1.0500	0.9870
SITH-G3 18.0	115.0	170.0	0.0	25.6	126.9	-80.0	1.0500	0.9870
SITH-G4 18.0	115.0	170.0	0.0	25.6	126.9	-80.0	1.0500	0.9870
SITH-S5 18.0	160.0	220.6	0.0	25.6	104.7	-75.0	1.0500	0.9826
SITH-S6 18.0	160.0	220.6	0.0	25.6	104.7	-75.0	1.0500	0.9826
ROSE GN124.0	667.3*	610.0	150.0	310.0	310.0	-106.0	1.0300	1.0302
ROSE GN224.0	610.0	610.0	150.0	190.0	190.0	-57.0	1.0300	1.0055
BOW1 20.0	592.0	592.0	150.0	349.6	384.0	-100.0	1.0300	1.0642
BOW2 20.0	592.0	592.0	150.0	380.0	380.0	-100.0	1.0300	1.0692
IND PT 222.0	1080.8*	1078.0	314.0	550.0	550.0	-300.0	1.0400	1.0358
IP#3 GEN22.0	1080.0	1080.0	314.0	225.0	225.0	-100.0	1.0300	0.9804
RAV 3 22.0	972.0	972.0	386.0	675.3	792.4	-265.7	1.0400	1.0389
	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0000
KINTIG2424.0	592.2	709.0	197.0	50.5	275.0	-100.0	1.0400	1.0210
GINNA 1919.0	566.4	610.1	50.0	0.8	261.4	-139.9	1.0522	1.0247
NIAG. 8 13.8	200.0	215.0	0.0	13.0	69.8	-28.0	1.0200	0.9881
NIAG. 1113.8	200.0	215.0	0.0	13.0	69.8	-28.0	1.0200	0.9867
MOS17-1813.8	114.4*	114.0	0.0	11.7	44.0	-36.0	1.0200	1.0200
MOS29-3013.8	114.0	114.0	0.0	18.1	44.0	-36.0	1.0200	1.0200
DUNKGEN313.8	197.0	197.0	50.0	85.3	120.0	0.0	1.0400	0.9853
DUNKGEN413.8	191.0	191.0	50.0	85.3	120.0	0.0	1.0400	0.9856
HNTLY67G13.8	191.4	191.4	50.0	100.0	100.0	0.0	1.0260	0.9882
HNTLY68G13.8	190.6	190.6	50.0	100.0	100.0	0.0	1.0260	0.9888
FRASVC1818.2	0.0	0.0	0.0	27.2	325.0	-300.0	1.0355	1.0496
LEEDS 3 345	0.0	0.0	0.0	56.0	270.0	-300.0	1.0255	1.0255
USTATCOM 345	0.0*	0.0	0.0	18.6	204.4	-204.4	0.0000	1.0219
CHAT G3 120	0.0	0.0	0.0	-84.4	166.2	-99.1	1.0250	1.0250
CHAT G4 120	0.0	0.0	0.0	-84.4	83.1	-99.1	1.0250	1.0250

GENERATOR COMPLEX REPORT

GEN COMPLEX	ON	OFF	MW	SPRES	PMAX	PMIN	MVAR	REMVAR	QMAX	QMIN

AREA-1-FRONTIER	62	8	4861.	332.	5924.	662.	1201.	840.	2338.	-869.
AREA-2-GENESSEE	5	12	638.	44.	824.	78.	5.	288.	351.	-173.
AREA-3-SYRACUSE	62	4	5515.	436.	7000.	1971.	1423.	1325.	3105.	-1365.
AREA-4-ADIRONDK	52	2	1217.	8.	1305.	234.	68.	807.	899.	-456.
AREA-5-UTICA	128	9	656.	79.	952.	0.	53.	542.	672.	-587.
AREA-6-CAPITAL	75	15	2251.	650.	4135.	45.	1086.	537.	2141.	-1431.
AREA-7-MIDHUDSN	27	11	3070.	-50.	3539.	968.	1395.	118.	1850.	-590.
AREA-8-MILLWOOD	5	0	2218.*	-3.	2215.	628.	811.	0.	811.	-424.
AREA-9-SPR	1	0	3.	0.	3.	0.	0.	0.	0.	0.
AREA-10-NYC_ZON	82	11	8527.	153.	9350.	2717.	3767.	2543.	6777.	-3743.
AREA-11-L-ISLAN	59	31	3982.	238.	5526.	1000.	1025.	587.	1877.	-1568.
AREA-31-PSEG	64	20	7440.	318.	9988.	5560.	1723.	1686.	4568.	-2007.
OSWEGO-GENERATI	10	1	4325.	364.	5570.	1680.	1027.	1105.	2462.	-1230.
NIAGARA-GENERAT	24	1	2700.	180.	3095.	0.	488.	467.	1025.	-539.
ST.LAWRENCE-GEN	18	0	912.*	0.	912.	0.	58.	594.	652.	-348.
GILBOA-GENERATI	3	1	750.	0.	1000.	0.	270.	0.	360.	-120.
HUNTLEY-GENERAT	4	4	382.	0.	722.	185.	200.	0.	375.	0.
DUNKIRK-GENERAT	6	0	558.	0.	558.	140.	252.	88.	340.	0.
ROSETON-GENERAT	2	0	1277.*	-57.	1220.	300.	500.	0.	500.	-163.
BETHLEHEM-GENER	4	0	420.	370.	790.	45.	371.	189.	560.	-290.
ATHENS-GENERATI	3	3	320.	150.	1080.	0.	215.	0.	495.	-495.
COGENTECH-GENER	8	0	645.	0.	645.	0.	10.	390.	400.	-160.
SCSASTORIA-GENE	3	0	435.	165.	600.	120.	213.	145.	358.	-217.
POLEXPANS-GENER	3	0	638.	0.	638.	0.	327.	27.	354.	-354.
DANSKAM-GENERAT	2	0	379.	0.	379.	150.	78.	60.	138.	-48.
HOMER-CITY-GENE	3	0	1884.	0.	1884.	900.	352.	596.	948.	-393.
NORTHFIELD-GENE	3	1	750.	60.	1080.	-1000.	195.	45.	320.	-160.
BRUCE-GENERATIO	6	2	4460.	356.	6272.	0.	1542.	1188.	3380.	-2540.

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1927.6	-118.5	DYSINGER-EAST-(C)	2795.8	64.5
WEST-CENTRAL	709.2	27.1	WEST-CENTRAL-(C)	1577.4	210.1
VOLNEY-EAST	3496.3	-150.8	VOLNEY-EAST-(C)	4090.8	-89.6
MOSES-SOUTH	1579.3	-351.1	MOSES-SOUTH-(C)	1696.9	-357.7
CENTRAL-EAST	2646.7	-595.6	TOTAL-EAST	5171.7	-681.5
UPNY-SENY	4743.4	312.2	UPNY-SENY-(C)	5327.1	150.7
UPNY-CONED	3577.5	-117.0	UPNY-CONED-(C)	5665.7	-56.4
MILLWOOD-SOUTH	6385.0	82.2	LIPA-IMPORT	1800.2	-107.7
DUNWOODIE-SOUTH	3337.2	-579.5	DUNWOODIE-SOUTH-(C)	5425.3	-519.0
CONED-CABLE-INT-(C)	3625.1	-411.2	A-B-C-J-K-PAR-IMBAL	-17.9	76.9
NIAGARA-TIE	-81.9	71.1	CEDARS-IMPORT	0.0	4.7
PJM-NY	664.1	158.9	NE-NY	172.1	106.3
ON-NY	-82.3	69.8	ONTARIO-MICHIGAN	82.2	21.0
CONED-345	1713.9	-514.7	CONED-138	909.1	-14.9
Y49-Y50	1001.5	-52.7	138-POCKET	1134.3	76.2
AST-POCKET	799.0	186.3	GRNWD-POCKET	775.3	-53.7
STAT-POCKET	335.9	-41.1	E13-POCKET	995.5	478.8
W49-POCKET	2248.0	259.5	EVIEW-POCKET	772.6	190.8
DUNSO-POCKET	164.7	112.8	DUNNO-POCKET	113.2	-71.0
ON-MAN-MIN	0.2	-42.8	VOLT-TE#3	4321.0	-420.5
EAST OF HOLBROOK	271.4	30.8	NEWBRIDGE EAST	-278.5	-156.2
AR-3-BULK-XFMRS	1634.8	223.2	AR-4-BULK-XFMRS	-144.1	138.6
AR-5-BULK-XFMRS	2070.8	-1.6	AR-6-BULK-XFMRS	1158.9	69.6
AR-7-BULK-XFMRS	1706.0	679.4	AR-8-BULK-XFMRS	568.0	196.0
AR-3-4-5-6-7-8X	6994.4	1305.3	CONED-CABLE-INT	2623.0	-529.6

SHUNT REPORT

SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT
MARCY T1 345	418.	400.	OAKDL345 345	0.	135.	N.SCOT77 345	141.	270.
N.SCOT99 345	0.	135.	LEEDS 3 345	284.	270.	EDIC 345	209.	200.
MOS 115 115	75.	68.	PORTER 1 115	61.	57.	MARCY765 765	-206.	-200.
MASS 765 765	-201.	-400.	FRASR345 345	300.	280.	COOPC345 345	290.	280.
ROCK TAV 345	279.	270.	FISHKILL 345	277.	270.	GILB 345 345	0.	135.
ROTRDM.2 230	170.	169.	ROCH 345 345	0.	135.	CLAY 115	49.	50.
MOS 115 115	75.	68.	DUNWODIE 345	0.	-150.	FARRGUT1 345	-64.	-60.
FARRGUT2 345	-64.	-60.	GOTHLS N 345	0.	-150.	GOTHLS S 345	-166.	-150.
GOWANUSN 345	-164.	-150.	GOWANUSS 345	0.	-150.	PL VILLE 345	0.	-20.
PL VILLW 345	0.	-20.	RAINEY 345	0.	-300.	SPRBROOK 345	0.	0.
REACBUS 345	-153.	-300.	EASTVIEW 138	0.	0.	E179 ST 138	0.	-150.
GRENWOOD 138	0.	-150.	REACM51 345	0.	-300.	REACM52 345	0.	-300.

GOETH 1313.6   -62. -140. SHORE RD 345 -152. -150. HMP HRBR 345 -153. -150.
EGC DUM 345   0.   0.

TRANSFORMER FLOW REPORT

TRANSFORMER		CNTL	MW	MVAR	PF	TAP	TAP RANGE
HURLEY 3 345	-HURLEY 1 115*	1	248.2	38.0	0.9885	1.0141	1.1607/0.9497
ROCK TAV 345	-ROCK TV1 115*	1	166.1	66.3	0.9288*	1.0330	1.1831/0.9647
ROCK TAV 345	-ROCK TV1 115*	1	166.1	66.3	0.9288*	1.0330	1.1831/0.9647
FISHKILL 345	-E FISH I 115*	1	123.4	75.7	0.8524*	0.9647*	1.1830/0.9647
PLTVLLEY 345	-PL.VAL 1 115*	1	86.0	147.5	0.5037*	0.9268	1.1173/0.9141
RAMAPO 5 500	-RAM PAR 345*	1	440.8	182.8	0.9237*	0.9625	1.1000/0.9000
BOWLINE2 345	-BOW138 138*	1	246.5	116.6	0.9039*	1.0062	1.0250/0.9000
		0	0.0	0.0	1.0000	0.0000*	0.0000/0.0000
BUCH N 345	-BUCHNTA5 138*	1	137.7	15.6	0.9936	1.0151	1.1040/0.8670
DUNWODIE 345	-DUN NO 138*	1	257.0	43.1	0.9863	0.9926	1.1041/0.8670
DUNWODIE 345	-DUN SO 138*	1	283.5	145.4	0.8898*	0.9630	1.1041/0.8670
E VIEW1 345	-EASTVIEW 138*	1	198.9	76.2	0.9339*	0.9856	1.1041/0.8670
E VIEW2 345	-EASTVIEW 138*	1	191.9	55.6	0.9605	0.9856	1.1041/0.8670
E VIEW3 345	-EASTVIEW 138*	1	191.3	55.4	0.9605	0.9856	1.1041/0.8670
E VIEW4 345	-EASTVIEW 138*	1	191.3	55.4	0.9605	0.9856	1.1041/0.8670
E15ST 45 345	-E13 ST 138*	1	167.7	84.8	0.8923*	0.9849	1.1041/0.8670
E15ST 45 345	-T14MPT 138	1	143.5	72.8	0.8919*	1.0000	1.5000/0.5100
E15ST 46 345	-E13 ST 138*	1	161.3	82.4	0.8906*	0.9849	1.1041/0.8670
E15ST 46 345	-T13MPT 138	1	149.6	75.4	0.8929*	1.0000	1.5000/0.5100
E15ST 47 345	-E13 ST 138*	1	168.1	86.1	0.8901*	0.9849	1.1041/0.8670
E15ST 47 345	-E RIVER 69.0*	1	-113.8	-11.5	-0.9949	1.0355	1.0870/0.8540
E15ST 48 345	-E13 ST 138*	1	169.7	85.9	0.8922*	0.9849	1.1041/0.8670
E15ST 48 345	-T11MPT 138	1	150.8	76.4	0.8920*	1.0000	1.5000/0.5100
FARRAGUT 345	-F/S38M11 138*	1	102.0	20.0	0.9813	1.0080	1.1040/0.8670
FARRAGUT 345	-F/S38M12 138*	1	102.0	19.6	0.9819	1.0077	1.1040/0.8670
FARRAGUT 345	-F/S38M13 138*	1	25.8	-12.3	0.9028*	1.0234	1.1040/0.8670
FARRAGUT 345	-F/S38M14 138*	1	102.3	19.3	0.9826	1.0077	1.1040/0.8670
FARRAGUT 345	-FGT/BRT1 138*	1	181.7	58.7	0.9516	0.9930	1.1040/0.8670
FARRAGUT 345	-FGT/BRT2 138*	1	180.9	57.8	0.9525	0.9930	1.1040/0.8670
FARRAGUT 345	-FGT/BRT3 138*	1	181.1	58.0	0.9524	0.9930	1.1040/0.8670
FARRAGUT 345	-FGT/BRT4 138*	1	181.5	58.4	0.9519	0.9930	1.1040/0.8670
FARRAGUT 345	-FGT/HAT1 138*	1	90.8	41.3	0.9102*	0.9930	1.1040/0.8670
FARRAGUT 345	-FGT/HAT2 138*	1	92.4	47.2	0.8903*	0.9781	1.1040/0.8670
FARRAGUT 345	-FGT/HAT3 138*	1	57.7	20.4	0.9430*	1.0000	1.1040/0.8670
FARRAGUT 345	-FGT/HAT4 138*	1	57.4	20.0	0.9445*	0.9999	1.1040/0.8670
FARRAGUT 345	-FGT/HAT5 138*	1	57.4	20.3	0.9425*	1.0001	1.1040/0.8670
FARRAGUT 345	-FGT/HAT6 138*	1	93.2	49.5	0.8832*	0.9755	1.1040/0.8670
FARRAGUT 345	-FGT/HAT7 138*	1	92.0	46.7	0.8919*	0.9814	1.1040/0.8670
FARRAGUT 345	-HAE TR1 138*	1	-76.9	12.0	-0.9881	1.0145	1.1041/0.8670
FARRAGUT 345	-HAE TR3 138*	1	-76.5	4.3	-0.9984	1.0219	1.1041/0.8670
FGT-HUD9 345	-F/S38M15 138*	1	92.8	25.6	0.9641	1.0004	1.1041/0.8670
FGT-HUD9 345	-HAE TR2 138*	1	-74.8	5.6	-0.9972	1.0204	1.1041/0.8670
FR KILLS 345	-FRKILLR2 138*	1	215.0	-12.1	0.9984	1.0410	1.0884/0.8900
FR KILLS 345	-FRKILLSR 138*	1	214.9	-8.9	0.9991	1.0410	1.0884/0.8900
GOTHLS R 345	-GOETH T 230*	1	-200.7	60.8	-0.9571	1.0335	1.0879/0.9540
GOWANUSN 345	-GOWNUS1T 138*	1	100.8	-33.0	0.9503	1.0588	1.1041/0.8670
GOWANUSS 345	-GOWNUS2T 138*	1	100.8	-28.5	0.9623	1.0591	1.1041/0.8670
MILLWOOD 345	-MLWD TA 138*	1	94.2	29.5	0.9543	0.9855	1.1040/0.8670
MILLWOOD 345	-MLWD TA 138*	1	91.9	28.9	0.9540	0.9855	1.1040/0.8670
PL VILLE 345	-PLTVILLE13.6*	1	44.3	-1.0	0.9997	1.0171	1.2186/0.9706
PL VILLW 345	-PLTVILLE13.6*	1	41.0	14.2	0.9451*	1.0864	1.2353/0.9706
RAINEY 345	-RAINEY3W 138*	1	133.9	61.0	0.9099*	1.0000	1.1040/0.8670
RAINEY 345	-2E DUM 138*	1	139.4	39.2	0.9627	1.0074	1.0875/0.8545
RAINEY 345	-7E DUM 138*	1	115.8	51.0	0.9151*	1.0147	1.0875/0.8545
RAINEY 345	-7W DUM 138*	1	131.7	78.7	0.8584*	0.9928	1.0875/0.8545
RAINEY 345	-8E DUM 138*	1	-209.7	-35.7	-0.9858	1.0147	1.0875/0.8545
RAINEY 345	-8W DUM 138*	1	-143.6	13.2	-0.9958	1.0147	1.0875/0.8545
RAINEY 345	-9E DUM 138*	1	12.5	-15.1	0.6366*	1.0370	1.1040/0.8670
RAMAPO 345	-RAMP138 138*	1	199.1	84.1	0.9212*	0.9875	1.1000/0.9000
RAMAPO 345	-RAMP138 138*	1	199.1	84.1	0.9212*	0.9875	1.1000/0.9000
SPRBROOK 345	-DUN NO T 138*	1	224.6	95.4	0.9205*	0.9704	1.1041/0.8670
SPRBROOK 345	-DUN SO T 138*	1	243.6	124.3	0.8907*	0.9630	1.1041/0.8670
TREMONT 345	-PARK TR1 138*	1	178.7	61.5	0.9457*	0.9707	1.1041/0.8670
TREMONT 345	-PARK TR2 138*	1	180.9	61.1	0.9474*	0.9707	1.1041/0.8670
W 49 ST 345	-W49 ST 1 138*	1	248.5	132.5	0.8823*	0.9807	1.1040/0.8670
W 49 ST 345	-W49 ST 2 138*	1	173.6	84.0	0.9001*	0.9934	1.1040/0.8670
W 49 ST 345	-W49 ST 3 138*	1	250.1	139.6	0.8732*	0.9786	1.1040/0.8670
W 49 ST 345	-W49 ST 4 138*	1	287.2	172.1	0.8578*	0.9687	1.1040/0.8670
W 49 ST 345	-W49 ST 5 138*	1	288.1	175.2	0.8544*	0.9660	1.1040/0.8670
GOETH T 230	-GOETHALS 230	1	-200.8	-5.6	-0.9996	1.0000	1.5000/0.5100

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S. BRONX 345  -SBNXT1   138* 1    71.8    -6.7  0.9957   1.0296   1.1040/0.8670
S. BRONX 345  -SBNXT2   138* 1    71.8    -6.7  0.9957   1.0296   1.1040/0.8670
S. BRONX 345  -SBNXT3   138* 1    71.8    -6.7  0.9957   1.0296   1.1040/0.8670
S. BRONX 345  -SBNXT4   138* 1    71.8    -6.7  0.9957   1.0296   1.1040/0.8670
GOETH T  230  -GOETH 1313.6  1     0.1    66.0  0.0018*  1.0000   1.5000/0.5100
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
SHORE RD 345  -SHORE RD 138* 1   181.8    21.1  0.9933   0.9970   1.1200/0.8800
SHORE RD 345  -SHORE RD 138* 1   181.2    21.1  0.9933   0.9969   1.1200/0.8800
E.G.C.-1 345  -E.G.C.   138* 1   317.7    14.4  0.9990   0.9936   1.1200/0.8800
E.G.C.-2 345  -E.G.C.-2 138* 1   317.7    14.7  0.9989   0.9937   1.1200/0.8800
COOPC345 345  -COOPC115 115* 1    48.2    -1.4  0.9996   0.9875   1.1500/0.9500
COOPC345 345  -COOPC115 115* 1    48.6    -1.5  0.9995   0.9875   1.1500/0.9500
FRASVC1818.2  -FRASR345 345  1     0.0    27.1  0.0000*  1.0000   1.5000/0.5100
FRASR345 345  -FRASR115 115* 1    43.8    28.4  0.8395*  0.9862   1.1468/0.9474
OAKDL345 345  -OAK2M115 115  1   125.3   -61.4  0.8982*  1.0782   1.1478/0.9391
OAKDL345 345  -OAK3M115 115  1   110.8   -67.3  0.8546*  1.0782   1.1478/0.9391
STOLE345 345  -STOLE115 115* 1    50.4    53.9  0.6831*  1.0513   1.0769/0.9744
STOLE345 345  -STOLE115 115* 1    50.1    53.4  0.6840*  1.0513   1.0769/0.9744
WATRC345 345  -WATRC230 230* 1   144.0   124.0  0.7578*  0.9625   1.1000/0.9000
WOODA345 345  -WOODS115 115* 1   135.3    73.4  0.8791*  0.9250   1.0500/0.8500
WOODB345 345  -WOODS115 115* 1   109.3    69.2  0.8450*  0.9250   1.0500/0.8500
GARDV230 230  -GARDN M734.5  1    85.5    44.7  0.8863*  1.0000   1.0750/0.9250
GARDV230 230  -GARDN M634.5  1   103.0    58.6  0.8693*  1.0000   1.0750/0.9250
HILSD230 230  -HILSD M334.5  1    95.8   -58.2  0.8547*  1.0000   1.5000/0.5100
HILSD230 230  -HILSD M434.5  1    68.8   130.8  0.4655*  1.0000   1.5000/0.5100
MEYER230 230  -MEYER M434.5  1    83.4   -10.1  0.9928   1.0250*  1.0250/0.8750
OAKDL230 230  -OAKDL115 115  1    70.7    50.5  0.8136*  0.9785   1.5000/0.5100
ROBIN230 230  -ROBIN M134.5  1    54.4    10.0  0.9836   1.0187   1.1000/0.9000
DUNKIRK  230  -DUNKIRK1 115* 1    45.2    -7.5  0.9866   1.0270   1.0779/0.9341
DUNKIRK  230  -DUNKIRK1 115* 1    47.3    -8.4  0.9847   1.0272   1.0875/0.9422
DUNKIRK  230  -DUNKGEN313.8  1  -190.0   -56.9 -0.9580   1.0977   1.5000/0.5100
ELM-70   230  -ELMST23.23.0  1    49.5    26.7  0.8799*  1.1000*  1.1000/0.9000
ELM-71   230  -ELMST23.23.0  1    20.5    17.5  0.7592*  1.1000*  1.1000/0.9000
ELM-72   230  -ELMST23.23.0  1    20.4    17.5  0.7589*  1.1000*  1.1000/0.9000
GRDNVL2  230  -GRDNVL1  115* 1   101.5    42.1  0.9239*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    63.3    26.2  0.9239*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    63.9    26.5  0.9239*  0.9641   1.0302/0.8865
PACKARD2 230  -PACK(N)E 115* 1    31.2   -30.4  0.7168*  1.0182   1.0268/0.8899
PACKARD2 230  -PACK(S)W 115* 1   -36.8    19.7 -0.8813*  0.9840   1.0268/0.8899
SUNY-79  230  -SUNYAB2334.5  1    19.0     6.9  0.9404*  0.9700   1.5000/0.5100
SUNY-80  230  -SUNYAB2334.5  1    18.8     6.8  0.9410*  0.9700   1.5000/0.5100
CLAY     345  -CLAY     115* 1   150.1     7.2  0.9988   1.0500*  1.0540/1.0500
CLAY     345  -CLAY     115* 1   149.9     7.2  0.9988   1.0500*  1.0540/1.0500
DEWITT 3 345  -DEWITT 1 115* 1   227.2    79.1  0.9444*  1.0300*  1.0540/1.0300
ELBRIDGE 345  -ELBRIDGE 115* 1   182.5    38.3  0.9787   1.0300*  1.0540/1.0300
OSWEGO   345  -OSW 3&4  115* 1   221.3    68.0  0.9559   0.9939   1.0500/0.8630
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
KB-AD115 115  -ADRON B1 230  1     0.0     0.5  0.0000*  1.0250   1.5000/0.5100
EDIC     345  -PORTER 2 230  1   264.1   129.3  0.8980*  1.0000   1.5000/0.5100
EDIC     345  -PORTER 1 115* 1   161.8    -7.6  0.9989   0.9901   1.0540/0.8630
EDIC     345  -PORTER 1 115* 1   161.8    -7.6  0.9989   0.9901   1.0540/0.8630
PORTER 2 230  -PORTER 1 115* 1     3.8    71.1  0.0530*  0.9300   1.1000/0.9000
PORTER 2 230  -PORTER 1 115* 1     3.8    71.1  0.0530*  0.9300   1.1000/0.9000
N.SCOT77 345  -N.SCOT1  115* 1   170.0    -7.4  0.9991   1.0076   1.0543/0.8623
N.SCOT99 345  -N.SCOT1  115* 1   172.5    -7.2  0.9991   1.0076   1.0540/0.8620
REYNLD3  345  -REY. RD. 115* 1   225.7    65.2  0.9608   0.9800   1.0540/0.8620
ROTRDM.2 230  -RTRDM1   115* 1   215.3    14.6  0.9977   1.0003   1.0063/0.8145
ROTRDM.2 230  -RTRDM1   115* 1   208.9    15.5  0.9972   1.0003   1.0500/0.8500
ROTRDM.2 230  -RTRDM1   115* 1   166.8    11.0  0.9978   1.0003   1.0063/0.8146
WHAV345  345  -WHAV138  138* 1   279.8   102.0  0.9395*  1.0000   1.0250/0.9000
SMAHWAH1 345  -SMAH138  138* 1   208.1   171.3  0.7719*  0.9600   1.0200/0.9000
N.M.TAP  345  -SHOEMTAP 138* 1   361.7   165.0  0.9098*  0.9510*  1.2500/0.9510
MARCY765 765  -MARCY T1 345* 1   714.7   -91.3  0.9919   1.0000   1.0606/0.8240
MARCY765 765  -MARCY T1 345* 1   623.0   -69.5  0.9938   1.0000   1.1183/0.8687
MASS 765 765  -MASS230A 230  1   -74.5    26.9 -0.9407*  0.9665   1.5000/0.5100
MASS 765 765  -MASS230B 230  1   -74.5    26.9 -0.9407*  0.9665   1.5000/0.5100
NIAG 345 345* -NIAGAR2E 230  1  -150.1    35.7 -0.9728   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2E 230  1  -150.1    35.7 -0.9728   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2W 230  1  -298.5    71.0 -0.9728   0.9900   1.0400/0.9650
MOSES W  230  -MOS 115  115  1   -18.5     5.3 -0.9617   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -18.2     5.2 -0.9618   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1    -7.1     2.1 -0.9597   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -18.3     5.2 -0.9618   0.9790   1.5000/0.5100
NIAGAR2W 230  -NIAG115E 115  1     6.1   -19.7  0.2976*  1.0000   1.5000/0.5100
NIAGAR2W 230  -NIAG115W 115  1   -79.0    39.3 -0.8954*  1.0283   1.5000/0.5100
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PLAT T#1 230	-PLAT 115	115*	1	-0.9	-33.1	-0.0272*	0.9730*	1.1314/0.9730	
PLAT T#4 230	-PLAT 115	115*	1	8.8	75.2	0.1167*	1.0607	1.1314/0.9730	
WILLIS E 230	-WILL 115	115*	1	29.6	15.6	0.8845*	1.0297	1.1314/0.9730	
WILLIS W 230	-WILL 115	115*	1	29.6	15.6	0.8844*	1.0297	1.1314/0.9730	
ROCH 345 345	-S80 1TR	115*	1	134.7	-3.8	0.9996	1.0251	1.1001/0.9500	
ROCH 345 345	-S80 2TR	115*	1	176.5	-21.4	0.9927	0.9692	1.0500/0.9500	
ROCH 345 345	-S80 3TR	115*	1	134.3	-3.8	0.9996	1.0251	1.1001/0.9500	
PANNELL3 345	-PANNELLI	115*	1	102.5	-10.3	0.9950	1.0187	1.0750/0.9250	
PANNELL3 345	-PANNELLI	115*	1	102.5	-10.3	0.9950	1.0187	1.0750/0.9250	

TRANSMISSION LINE FLOW REPORT

LINE		RATEA	RATEB	RATEC	MVA	MW	MVAR ------ FROM	MVAR ------- TO	MVAR ------- NET
CHA-NY 765	-MASS 765 765	3975.	3975.	5300.	1231.	1200.	-274.	99.	-175.
MASS 765 765	-MARCY765 765	3975.	3975.	5300.	1392.	1346.	-353.	-45.	-399.
NORHR138 138	-NRTHPT P 138	466.	577.	1577.	112.	100.	-51.	-42.	-92.
HOMER CY 345	-WATRC345 345	755.	927.	0.	379.	378.	35.	4.	39.
BRANCHBG 500	-RAMAPO 5 500	1048.	1373.	0.	452.	442.	93.	-183.	-90.
STLAWR33 220	-STLAWL33 230	300.	498.	0.	0.	0.	0.	2.	1.
STLAWR34 230	-STLAWL34 230	300.	498.	0.	2.	0.	-2.	2.	0.
OAKDL345 345	-FRASR345 345	1255.	1380.	1380.	633.	630.	-55.	111.	57.
CLAY 345	-EDIC 345	1033.	1285.	1434.	602.	601.	25.	23.	48.
CLAY 345	-EDIC 345	1033.	1285.	1434.	604.	603.	25.	24.	49.
VOLNEY 345	-MARCY T1 345	1434.	1792.	1912.	754.	747.	101.	-8.	93.
JA FITZP 345	-EDIC 345	1434.	1434.	1912.	758.	752.	89.	30.	119.
MASS 765 765	-MARCY765 765	3975.	3975.	5300.	1392.	1346.	-353.	-45.	-399.
MOSES W 230	-ADRON B1 230	348.	359.	440.	150.	150.	-2.	4.	3.
MOSES W 230	-ADRON B2 230	348.	386.	440.	150.	150.	-2.	4.	3.
EDIC 345	-N.SCOT77 345	1331.	1528.	1724.	922.	920.	50.	224.	274.
PORTER 2 230	-ROTRDM.2 230	440.	505.	560.	269.	268.	-22.	80.	59.
PORTER 2 230	-ROTRDM.2 230	439.	505.	560.	276.	275.	-23.	83.	61.
MARCY T1 345	-N.SCOT99 345	1487.	1792.	1792.	1012.	1006.	110.	192.	302.
CTNY398 345	-PLTVLLEY 345	1195.	1386.	1685.	311.	-306.	59.	-59.	-1.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
COOPC345 345	-N.M.TAP 345	1464.	1793.	1793.	816.	814.	60.	19.	79.
LEEDS 3 345	-HURLEY 3 345	1395.	1623.	1870.	709.	709.	13.	29.	42.
LEEDS 3 345	-PLTVLLEY 345	1331.	1538.	1724.	1083.	1079.	94.	98.	191.
ATHENS 345	-PLTVLLEY 345	1331.	1538.	1724.	1039.	1036.	89.	89.	177.
SPRBROOK 345	-REACM51 345	774.	866.	1291.	444.	440.	-58.	121.	63.
SPRBROOK 345	-REACM52 345	774.	866.	1291.	444.	440.	-58.	121.	63.
REACM51 345	-W 49 ST 345	774.	866.	1291.	457.	440.	-121.	-223.	-344.
REACM52 345	-W 49 ST 345	774.	866.	1291.	457.	440.	-121.	-223.	-344.
DUNWODIE 345	-REAC71 345	715.	817.	1081.	424.	417.	-79.	137.	58.
DUNWODIE 345	-REAC72 345	715.	817.	1081.	424.	417.	-79.	137.	58.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
REAC71 345	-S. BRONX 345	715.	817.	1081.	438.	417.	-137.	-62.	-199.
REAC72 345	-S. BRONX 345	715.	817.	1081.	438.	417.	-137.	-62.	-199.
S. BRONX 345	-RAINEY 345	715.	817.	1081.	283.	272.	76.	-155.	-79.
S. BRONX 345	-RAINEY 345	715.	817.	1081.	283.	272.	76.	-155.	-79.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
SPRBROOK 345	-REACBUS 345	1243.	1386.	1530.	701.	640.	-286.	286.	0.
DUNWODIE 345	-SHORE RD 345	687.	962.	1512.	392.	364.	-147.	-194.	-341.

PAR FLOW AND ANGLE REPORT

PAR		MW	MVAR	ANGLE	ANGLE RANGE
LINDEN 230	-LIN SHF 230	200.0	-147.4	-5.7	25.0/-25.0
WALDWICK 230	-FAIRL SH 230	300.0	349.6	-23.6	35.0/-35.0
WALDWICK 230	-HAWTH SH 230	310.0	-66.7	-22.1	30.0/-30.0
WALDWICK 230	-HILLS SH 230	330.0	-123.2	-22.5	32.0/-32.0
STLAWR33 220	-STLAWL33 230	0.1	-0.2	7.1	40.0/-40.0
STLAWR34 230	-STLAWL34 230	0.1	-2.1	7.1	40.0/-40.0
FARRAGUT 345	-FARRGUT1 345	-3521.1	1669.5	21.8	90.0/-90.0
FARRAGUT 345	-FARRGUT2 345	-3543.7	1714.4	22.3	90.0/-90.0
GOTHLS N 345	-GOTHLS R 345	-200.5	70.1	-18.0	90.0/-90.0
RAM PAR 345	-RAMAPO 345	220.3	83.3	17.7	40.0/-40.0
RAM PAR 345	-RAMAPO 345	220.3	83.3	17.7	40.0/-40.0
CORONA-S 138	-CORONA1R 138	26.6	-1.0	8.4	25.0/-25.0
DUN NO 138	-DUN NO1R 138	65.5	13.2	-7.4	20.0/-20.0
DUN NO 138	-DUN NO2R 138	65.6	13.6	-7.4	20.0/-20.0
DUN SO 138	-DUN SO1R 138	65.4	6.2	-9.3	25.0/-25.0
DUN SO 138	-DUN SO1R 138	65.4	6.2	-9.3	25.0/-25.0

CORONA-N 138 -CORONA2R 138	26.5	20.4	8.5	25.0/-25.0
FRKILLR2 138 -FR-KILLS 138	214.7	-28.5	-2.5	25.0/-25.0
FRKILLSR 138 -FR-KILLS 138	214.6	-26.0	-3.1	25.0/-25.0
GOWNUS1T 138 -GOWNUS1R 138	100.7	-39.1	0.2	25.0/-25.0
GOWNUS2T 138 -GOWNUS2R 138	100.7	-34.2	0.5	25.0/-25.0
ASTE-PAR 138 -ASTE-WRG 138	-220.5	-1.6	8.4	25.0/-25.0
PARK TR1 138 -PARK1REG 138	180.4	44.1	-10.1	25.0/-25.0
PARK TR2 138 -PARK2REG 138	180.6	43.4	-10.2	25.0/-25.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
EGC PAR 345 -E.G.C.-1 345	317.9	36.7	9.2	25.0/-25.0
EGC PAR 345 -E.G.C.-2 345	317.9	37.1	9.3	25.0/-25.0
L SUCSPH 138 -L SUCS 138	-147.0	32.2	-3.4	25.0/-25.0
NRTHPT P 138 -NRTHPT1 138	100.0	41.6	2.5	50.0/-50.0
V STRM P 138 -VLY STRM 138	-141.2	66.8	-2.0	25.0/-25.0
INGMS-CD 115 -INGHAM-E 115	120.2	-8.6	12.2	20.0/-20.0
PLAT 115 115 -PLAT T#3 115	0.0	0.0	19.4	40.0/-40.0

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
COAL CR4 230 ->DICKNSN3 345*	1	1 -505.1	310.3
COAL CR4 230 ->DICKNSN3 345*	2	1 -505.1	310.3
SQBUTTE4 230* ->ARROWHD4 230	3	2 220.5	135.7
SQBUTTE4 230* ->ARROWHD4 230	4	2 220.5	135.7
RADSNDC6 138* ->DC5 JCT4 230	5	1 819.5	488.5
RADSNDC6 138* ->DC6 JCT4 230	6	1 819.5	488.9
HENDAY 4 230* ->DORSEY 4 230	7	1 931.0	579.3
HENDAY 4 230* ->DORSEY 4 230	8	1 931.0	579.3
MI CTYW4 230 ->MI CTYE4 230*	9	1 -32.0	65.6
SIDNEYW4 230 ->SIDNEY 4 230*	10	0 0.0	0.0
CHAT G 315 ->CHAT G3 120*	11	1 -383.7	248.3
CHAT G2 315 ->CHAT G4 120*	12	1 -383.7	248.3
HIGHGT 120 ->HIGHGATE 115*	13	1 -167.0	87.2
MADAWA 315 ->MADAWANB 345*	14	0 0.0	0.0
EEL34A 34.5 ->EELDC2NB34.5*	15	0 0.0	0.0
EEL34B 34.5 ->EELDC1NB34.5*	16	0 0.0	0.0
RAD3152 315 ->NIC230 230*	17	0 0.0	0.0
RAD3152 315 ->NIC230 230*	18	0 0.0	0.0
RAD3152 315 ->SANDY PD 345*	19	1 -750.0	372.8
RAD3152 315 ->SANDY PD 345*	20	1 -750.0	372.8
CHAT G3 120* ->CHAT G 315	21	0 0.0	0.0
CHAT G4 120* ->CHAT G2 315	22	0 0.0	0.0
MADAWANB 345 ->MADAWA 315*	24	0 0.0	0.0
EELDC2NB34.5 ->EEL34A 34.5*	25	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	27	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	28	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	37	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	38	0 0.0	0.0

LBMP ZONE REPORT

	ZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR	GEN MW	MVAR	INT MW	MVAR
1	WEST	2572.	1073.	0.9229	88.	1237.	4861.	1201.	2200.	-233.
2	GENESEE	1765.	559.	0.9534	61.	472.	638.	5.	-1188.	213.
3	CENTRAL	2848.	1267.	0.9137	166.	2206.	5515.	1423.	2500.	-472.
4	NORTH	687.	249.	0.9400	17.	267.	1217.	68.	513.	-80.
5	MOHAWK	1097.	379.	0.9451	188.	2360.	656.	53.	-629.	18.
6	CAPITAL	2190.	846.	0.9329	86.	924.	2251.	1086.	-25.	693.
7	HUDSON	2610.	801.	0.9560	117.	1759.	3070.	1395.	343.	-86.
8	MILLWOOD	798.	271.	0.9470	42.	1000.	2218.	811.	1377.	271.
9	DUNWOODI	1592.	746.	0.9056	36.	1099.	3.	0.	-1625.	166.
10	NYC	12003.	5641.	0.9050	240.	11218.	8527.	3767.	-3621.	-502.
11	L ISLAND	5693.	2008.	0.9430	89.	1258.	3982.	1025.	-1800.	484.
	TOTALS	33856.	13839.		1130.	23801.	32938.	10832.	-1955.	471.

LBMP SUBZONE REPORT

LBMP SUBZONE NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
NMPC WES	1	1616.7	688.9	0.9200	63.9	808.6
NMPC CEN	2	1625.4	718.7	0.9146	86.8	1396.3
NMPC MVN	3	765.3	220.5	0.9609	181.4	2325.7
NMPC EAS	4	2067.5	792.2	0.9338	81.8	905.3

NYSEG WE	5	512.8	242.9	0.9037	20.5	261.1
NYSEG CE	6	1146.0	511.0	0.9133	79.2	811.0
NYSEG EA	7	265.7	127.6	0.9014	6.7	34.5
NYSEG HU	8	17.3	7.0	0.9262	0.0	0.0
RG&E	9	1459.3	460.8	0.9536	30.9	364.8
CENT HUD	10	1371.9	382.8	0.9632	82.9	1092.2
O&R	11	1220.8	410.7	0.9478	21.2	253.6
LIPA	12	5668.4	1997.2	0.9432	89.6	1236.3
NYPA WES	13	442.5	140.9	0.9529	3.6	167.0
NYPA NOR	14	516.7	189.2	0.9390	5.7	125.8
CON ED C	15	12003.2	5640.8	0.9050	239.8	11209.4
NYPA B	16	38.0	18.4	0.9000	0.7	1.6
NYPA C	17	76.6	37.1	0.9000	0.0	0.0
NYPA E	18	61.3	29.5	0.9009	0.0	0.0
NYSEG NO	19	101.8	43.4	0.9201	2.4	33.0
NYPA F	20	20.9	10.1	0.8999	0.0	0.2
NYSEG ME	21	101.7	43.3	0.9200	3.8	18.2
NYPA H	22	34.4	20.3	0.8609	3.1	151.0
CON ED N	23	430.2	148.9	0.9450	31.1	757.2
NYPA I	24	0.0	0.0		0.0	0.0
CON ED C	25	1592.2	745.9	0.9056	35.1	1095.6
NYPA J	26	0.0	0.0		0.0	8.3
NYPA K	27	24.6	11.0	0.9128	0.5	25.5
NYPA G	28	0.0	0.0		0.0	0.0
NMPC GNS	29	267.7	79.6	0.9586	29.7	105.2
NYSEG BR	30	333.9	101.6	0.9567	7.7	92.1
NMPC NTH	31	68.5	16.9	0.9710	9.0	108.4
CE UPNY	32	0.0	0.0		13.1	413.1
CENT H C	33	4.8	1.7	0.9396	0.0	0.0
	34	0.0	0.0		0.0	0.0

SUBSYSTEM LOAD & LOSS MW 33855.8 1130.3

OWNER REPORT

OWNER NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
CENT HUD	1	1376.7	384.6	0.9631	37.0	501.9
CONED	2	14025.5	6535.6	0.9064	309.9	13114.2
LIPA	3	5693.0	2008.2	0.9430	86.9	1269.7
NYSEG	4	2420.3	1048.3	0.9176	123.9	1417.4
NIMO	5	6193.0	2403.4	0.9323	350.0	3668.8
O&R	6	1220.8	410.7	0.9478	23.9	450.6
NYPA	7	1467.2	587.3	0.9284	168.6	3071.3
RGE	8	1459.3	460.8	0.9536	30.5	355.2

SUBSYSTEM LOAD & LOSS MW 33855.8 1130.6

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CASE :CEII 2005 FERC FORM NO. 715, 2012 SUM PK V3
      DYS1963 WC791 MS1539 TE5045 CE2524 US4779 UC3842 DS3273
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STATION VOLTAGES

BOWLINE1 345 = 323.4*	BOWLINE2 345 = 324.9*	BUCH S 345 = 318.1*
CLAY 345 = 357.5	COOPC345 345 = 333.4*	DUNWODIE 345 = 314.1*
EDIC 345 = 352.1	FARRAGUT 345 = 326.3*	FRASR345 345 = 357.2
GRDNVL2 230 = 228.4	GILB 345 345 = 358.5	GOTHLS N 345 = 353.0
GOWANUSN 345 = 349.6	LADENTWN 345 = 322.2*	LEEDS 3 345 = 346.8
MARCY T1 345 = 352.3	MILLWOOD 345 = 315.4*	N.SCOT77 345 = 351.4
N.SCOT99 345 = 351.4	NIAGAR2E 230 = 234.6	NIAGAR2W 230 = 234.6
NIAG 345 345 = 357.0	NRTHPRT1 138 = 142.1	OAKDL345 345 = 352.8
PANNELL3 345 = 357.3	PLTVLLEY 345 = 324.8*	RAINEY 345 = 328.5*
RAMAPO 345 = 321.0*	RAMAPO 5 500 = 462.4*	ROCK TAV 345 = 325.7*
ROSETON 345 = 329.5*	KINTI345 345 = 358.8	SPRBROOK 345 = 314.0*
ROCH 345 345 = 356.6	MOSES W 230 = 236.9	WATRC230 230 = 232.1
CHA-NY 765 = 760.3	MARCY765 765 = 776.3	MASS 765 765 = 766.0
FISHKILL 345 = 325.0*	HURLEY 3 345 = 335.3	SHORE RD 345 = 312.4*
VOLNEY 345 = 361.0	WATRC345 345 = 342.0	DUNKIRK 230 = 239.2
MEYER230 230 = 227.0	OAKDL230 230 = 223.9	ROTRDM.2 230 = 226.4
CHANY2 120 = 123.9	CHANY1 120 = 123.9	ALB3 115 = 119.0
BATH 115 115 = 115.8	BORDR115 115 = 115.3	CLAY 115 = 113.3
DELHI115 115 = 118.2	E.NOR115 115 = 117.4	FALCONER 115 = 115.3
GOUDY115 115 = 112.3	MEYER115 115 = 116.1	MOS 115 115 = 120.8*
NIAG115E 115 = 118.4	NIAG115W 115 = 118.4	N.WAV115 115 = 114.4
OAKDL115 115 = 112.0	PLAT T#3 115 = 118.6	PL.VAL 1 115 = 112.9
PORTER 1 115 = 119.0	ROCK TV1 115 = 115.5	RTRDM1 115 = 115.0
SHENANDO 115 = 111.3	S82-1115 115 = 116.8	

GENERATOR/SVC QUANTITIES

GENERATOR	MW	PMAX	PMIN	MVAR	QMAX	QMIN	VSCHED	VTBUS
GILBOA#117.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0265
GILBOA#217.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0263
GILBOA#317.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0263
GILBOA#417.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9905
9M PT 1G23.0	626.0	626.0	300.0	116.7	340.0	0.0	1.0500	1.0246
9M PT 2G25.0	1212.0	1212.0	700.0	211.8	360.0	50.0	1.0500	0.9972
OSWGO 5G22.0	769.5	881.0	250.0	166.5	340.0	-240.0	1.0500	1.0026
OSWGO 6G22.0	200.0	881.0	200.0	166.5	330.0	-270.0	1.0500	1.0065
JAFITZ1G24.0	848.8	848.8	230.0	224.7	375.0	-300.0	1.0500	0.9980
SITH-G1 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G2 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G3 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G4 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-S5 18.0	160.0	220.6	0.0	26.4	104.7	-75.0	1.0500	0.9830
SITH-S6 18.0	160.0	220.6	0.0	26.4	104.7	-75.0	1.0500	0.9830
ROSE GN124.0	612.7*	610.0	150.0	310.0	310.0	-106.0	1.0300	0.9701
ROSE GN224.0	610.0	610.0	150.0	190.0	190.0	-57.0	1.0300	0.9422
BOW1 20.0	592.0	592.0	150.0	384.0	384.0	-100.0	1.0300	0.9846
BOW2 20.0	592.0	592.0	150.0	380.0	380.0	-100.0	1.0300	0.9877
IND PT 222.0	1127.6*	1078.0	314.0	550.0	550.0	-300.0	1.0400	0.9489
IP#3 GEN22.0	1080.0	1080.0	314.0	225.0	225.0	-100.0	1.0300	0.8922
RAV 3 22.0	972.0	972.0	386.0	792.4	792.4	-265.7	1.0400	0.9773
	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0000
KINTIG2424.0	557.6	709.0	197.0	53.6	275.0	-100.0	1.0400	1.0212
GINNA 1919.0	542.3	610.1	50.0	-7.9	261.4	-139.9	1.0522	1.0239
NIAG. 8 13.8	200.0	215.0	0.0	12.9	69.8	-28.0	1.0200	0.9880
NIAG. 1113.8	200.0	215.0	0.0	12.9	69.8	-28.0	1.0200	0.9866
MOS17-1813.8	105.0	114.0	0.0	11.2	44.0	-36.0	1.0200	1.0200
MOS29-3013.8	114.0	114.0	0.0	18.1	44.0	-36.0	1.0200	1.0200
DUNKGEN313.8	197.0	197.0	50.0	81.7	120.0	0.0	1.0400	0.9835
DUNKGEN413.8	191.0	191.0	50.0	81.7	120.0	0.0	1.0400	0.9838
HNTLY67G13.8	191.4	191.4	50.0	100.0	100.0	0.0	1.0260	0.9887
HNTLY68G13.8	190.6	190.6	50.0	100.0	100.0	0.0	1.0260	0.9893
FRASVC1818.2	0.0	0.0	0.0	311.5	325.0	-300.0	1.0355	1.1792
LEEDS 3 345	0.0	0.0	0.0	270.0	270.0	-300.0	1.0255	1.0051
USTATCOM 345	0.0*	0.0	0.0	204.2*	204.2	-204.2	0.0000	1.0212
CHAT G3 120	0.0	0.0	0.0	-83.5	166.2	-99.1	1.0250	1.0250
CHAT G4 120	0.0	0.0	0.0	-83.5	83.1	-99.1	1.0250	1.0250

GENERATOR COMPLEX REPORT

GEN COMPLEX	ON	OFF	MW	SPRES	PMAX	PMIN	MVAR	REMVAR	QMAX	QMIN

AREA-1-FRONTIER	62	8	4826.	366.	5924.	662.	1186.	856.	2338.	-869.
AREA-2-GENESSEE	5	12	614.	68.	824.	78.	-4.	297.	351.	-173.
AREA-3-SYRACUSE	63	3	5626.	1206.	7000.	1971.	1435.	1643.	3105.	-1365.
AREA-4-ADIRONDK	52	2	1208.	17.	1305.	234.	67.	807.	899.	-456.
AREA-5-UTICA	128	9	654.	81.	952.	0.	342.	253.	672.	-587.
AREA-6-CAPITAL	76	14	2536.	614.	4135.	45.	1489.	249.	2141.	-1431.
AREA-7-MIDHUDSN	27	11	3016.	4.	3539.	968.	1504.	9.	1850.	-590.
AREA-8-MILLWOOD	5	0	2264.*	-50.	2215.	628.	811.	0.	811.	-424.
AREA-9-SPR	1	0	3.	0.	3.	0.	0.	0.	0.	0.
AREA-10-NYC_ZON	82	11	8812.	-132.	9350.	2717.	4904.	1406.	6777.	-3743.
AREA-11-L-ISLAN	63	27	4053.	331.	5526.	1000.	1206.	442.	1877.	-1568.
AREA-31-PSEG	64	20	7443.	315.	9988.	5560.	2059.	1350.	4568.	-2007.
OSWEGO-GENERATI	11	0	4436.	1134.	5570.	1680.	1044.	1418.	2462.	-1230.
NIAGARA-GENERAT	24	1	2700.	180.	3095.	0.	478.	476.	1025.	-539.
ST.LAWRENCE-GEN	18	0	903.	9.	912.	0.	58.	594.	652.	-348.
GILBOA-GENERATI	3	1	750.	0.	1000.	0.	270.	0.	360.	-120.
HUNTLEY-GENERAT	4	4	382.	0.	722.	185.	200.	0.	375.	0.
DUNKIRK-GENERAT	6	0	558.	0.	558.	140.	245.	95.	340.	0.
ROSETON-GENERAT	2	0	1223.*	-3.	1220.	300.	500.	0.	500.	-163.
BETHLEHEM-GENER	4	0	420.	370.	790.	45.	429.	131.	560.	-290.
ATHENS-GENERATI	4	2	570.	150.	1080.	0.	330.	0.	495.	-495.
COGENTECH-GENER	8	0	645.	0.	645.	0.	150.	250.	400.	-160.
SCSASTORIA-GENE	3	0	435.	165.	600.	120.	259.	99.	358.	-217.
POLEXPANS-GENER	3	0	638.	0.	638.	0.	353.	1.	354.	-354.
DANSKAM-GENERAT	2	0	379.	0.	379.	150.	138.	0.	138.	-48.
HOMER-CITY-GENE	3	0	1884.	0.	1884.	900.	351.	597.	948.	-393.
NORTHFIELD-GENE	3	1	750.	60.	1080.	-1000.	205.	35.	320.	-160.
BRUCE-GENERATIO	6	2	4460.	356.	6272.	0.	1546.	1184.	3380.	-2540.

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1959.6	-128.4	DYSINGER-EAST-(C)	2880.6	505.5
WEST-CENTRAL	741.2	24.5	WEST-CENTRAL-(C)	1662.2	658.4
VOLNEY-EAST	3705.6	-169.3	VOLNEY-EAST-(C)	4318.8	338.4
MOSES-SOUTH	1579.8	-342.5	MOSES-SOUTH-(C)	1697.1	-349.7
CENTRAL-EAST	2760.9	-615.2	TOTAL-EAST	5393.6	-128.6
UPNY-SENY	5164.1	1643.6	UPNY-SENY-(C)	5765.0	1624.7
UPNY-CONED	3780.0	661.6	UPNY-CONED-(C)	5888.3	1017.3
MILLWOOD-SOUTH	6606.3	761.1	LIPA-IMPORT	1939.4	-24.2
DUNWOODIE-SOUTH	3455.0	-498.9	DUNWOODIE-SOUTH-(C)	5563.3	-143.1
CONED-CABLE-INT-(C)	3623.9	-118.9	A-B-C-J-K-PAR-IMBAL	0.1	195.5
NIAGARA-TIE	-58.3	64.8	CEDARS-IMPORT	0.0	4.8
PJM-NY	725.3	597.7	NE-NY	172.5	365.9
ON-NY	-58.7	64.5	ONTARIO-MICHIGAN	57.9	24.0
CONED-345	1692.6	-594.3	CONED-138	908.6	87.3
Y49-Y50	1143.4	16.0	138-POCKET	1009.4	223.6
AST-POCKET	624.6	344.2	GRNWD-POCKET	810.7	-14.0
STAT-POCKET	349.0	-54.7	E13-POCKET	1027.7	506.3
W49-POCKET	2303.1	496.7	EVIEW-POCKET	810.4	230.4
DUNSO-POCKET	173.6	108.8	DUNNO-POCKET	117.5	-100.4
ON-MAN-MIN	0.3	-42.8	VOLT-TE#3	4515.3	-270.4
EAST OF HOLBROOK	162.1	42.2	NEWBRIDGE EAST	-109.5	-199.6
AR-3-BULK-XFMRS	1601.7	210.7	AR-4-BULK-XFMRS	-158.8	134.9
AR-5-BULK-XFMRS	2063.5	5.0	AR-6-BULK-XFMRS	1220.0	94.5
AR-7-BULK-XFMRS	1829.1	954.2	AR-8-BULK-XFMRS	598.3	235.1
AR-3-4-5-6-7-8X	7153.8	1634.4	CONED-CABLE-INT	2601.2	-507.0

SHUNT REPORT

SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT
MARCY T1 345	417.	400.	OAKDL345 345	0.	135.	N.SCOT77 345	280.	270.
N.SCOT99 345	140.	135.	LEEDS 3 345	273.	270.	EDIC 345	208.	200.
MOS 115 115	75.	68.	PORTER 1 115	61.	57.	MARCY765 765	-206.	-200.
MASS 765 765	-201.	-400.	FRASR345 345	300.	280.	COOPC345 345	262.	280.
ROCK TAV 345	241.	270.	FISHKILL 345	240.	270.	GILB 345 345	146.	135.
ROTRDM.2 230	163.	169.	ROCH 345 345	0.	135.	CLAY 115	49.	50.
MOS 115 115	75.	68.	DUNWODIE 345	0.	-150.	FARRGUT1 345	-58.	-60.
FARRGUT2 345	-58.	-60.	GOTHLS N 345	0.	-150.	GOTHLS S 345	-158.	-150.
GOWANUSN 345	-154.	-150.	GOWANUSS 345	0.	-150.	PL VILLE 345	0.	-20.
PL VILLW 345	0.	-20.	RAINEY 345	0.	-300.	SPRBROOK 345	0.	0.
REACBUS 345	-124.	-300.	EASTVIEW 138	0.	0.	E179 ST 138	0.	-150.
GRENWOOD 138	0.	-150.	REACM51 345	0.	-300.	REACM52 345	0.	-300.

GOETH 1313.6   -62. -140. SHORE RD 345 -123. -150. HMP HRBR 345 -124. -150.
EGC DUM 345   0.   0.

TRANSFORMER FLOW REPORT

TRANSFORMER		CNTL	MW	MVAR	PF	TAP	TAP RANGE
HURLEY 3 345	-HURLEY 1 115*	1	268.8	54.4	0.9802	1.0536	1.1607/0.9497
ROCK TAV 345	-ROCK TV1 115*	1	174.0	95.1	0.8775*	1.1149	1.1831/0.9647
ROCK TAV 345	-ROCK TV1 115*	1	174.0	95.1	0.8775*	1.1149	1.1831/0.9647
FISHKILL 345	-E FISH I 115*	1	127.7	13.6	0.9944	0.9647*	1.1830/0.9647
PLTVLLEY 345	-PL.VAL 1 115*	1	92.2	101.9	0.6709*	0.9141*	1.1173/0.9141
RAMAPO 5 500	-RAM PAR 345*	1	441.9	501.7	0.6610*	0.9000*	1.1000/0.9000
BOWLINE2 345	-BOW138 138*	1	237.5	19.9	0.9965	1.0250*	1.0250/0.9000
		0	0.0	0.0	1.0000	0.0000*	0.0000/0.0000
BUCH N 345	-BUCHNTA5 138*	1	152.6	28.0	0.9836	0.9188	1.1040/0.8670
DUNWODIE 345	-DUN NO 138*	1	259.3	12.1	0.9989	0.9185	1.1041/0.8670
DUNWODIE 345	-DUN SO 138*	1	292.3	161.0	0.8760*	0.8740	1.1041/0.8670
E VIEW1 345	-EASTVIEW 138*	1	208.3	84.7	0.9264*	0.8892	1.1041/0.8670
E VIEW2 345	-EASTVIEW 138*	1	201.5	68.2	0.9472*	0.8892	1.1041/0.8670
E VIEW3 345	-EASTVIEW 138*	1	200.8	67.9	0.9474*	0.8892	1.1041/0.8670
E VIEW4 345	-EASTVIEW 138*	1	200.8	67.9	0.9474*	0.8892	1.1041/0.8670
E15ST 45 345	-E13 ST 138*	1	171.4	91.6	0.8819*	0.9034	1.1041/0.8670
E15ST 45 345	-T14MPT 138	1	143.6	77.0	0.8814*	1.0000	1.5000/0.5100
E15ST 46 345	-E13 ST 138*	1	164.8	88.9	0.8801*	0.9034	1.1041/0.8670
E15ST 46 345	-T13MPT 138	1	149.2	80.0	0.8814*	1.0000	1.5000/0.5100
E15ST 47 345	-E13 ST 138*	1	172.4	94.6	0.8767*	0.9034	1.1041/0.8670
E15ST 47 345	-E RIVER 69.0*	1	-105.4	-28.0	-0.9665	0.9627	1.0870/0.8540
E15ST 48 345	-E13 ST 138*	1	173.7	94.0	0.8795*	0.9034	1.1041/0.8670
E15ST 48 345	-T11MPT 138	1	159.6	86.7	0.8786*	1.0000	1.5000/0.5100
FARRAGUT 345	-F/S38M11 138*	1	104.5	66.4	0.8438*	0.9043	1.1040/0.8670
FARRAGUT 345	-F/S38M12 138*	1	104.5	66.1	0.8452*	0.9040	1.1040/0.8670
FARRAGUT 345	-F/S38M13 138*	1	25.7	-7.8	0.9570	0.9419	1.1040/0.8670
FARRAGUT 345	-F/S38M14 138*	1	104.8	65.9	0.8464*	0.9040	1.1040/0.8670
FARRAGUT 345	-FGT/BRT1 138*	1	184.2	60.0	0.9508	0.9116	1.1040/0.8670
FARRAGUT 345	-FGT/BRT2 138*	1	185.2	65.2	0.9432*	0.9042	1.1040/0.8670
FARRAGUT 345	-FGT/BRT3 138*	1	185.4	65.4	0.9430*	0.9042	1.1040/0.8670
FARRAGUT 345	-FGT/BRT4 138*	1	184.1	59.7	0.9512	0.9116	1.1040/0.8670
FARRAGUT 345	-FGT/HAT1 138*	1	92.4	43.3	0.9055*	0.9115	1.1040/0.8670
FARRAGUT 345	-FGT/HAT2 138*	1	94.2	49.8	0.8839*	0.8966	1.1040/0.8670
FARRAGUT 345	-FGT/HAT3 138*	1	59.8	24.0	0.9280*	0.9126	1.1040/0.8670
FARRAGUT 345	-FGT/HAT4 138*	1	59.0	20.8	0.9428*	0.9188	1.1040/0.8670
FARRAGUT 345	-FGT/HAT5 138*	1	59.4	23.9	0.9275*	0.9128	1.1040/0.8670
FARRAGUT 345	-FGT/HAT6 138*	1	95.0	52.0	0.8771*	0.8945	1.1040/0.8670
FARRAGUT 345	-FGT/HAT7 138*	1	93.7	48.9	0.8866*	0.9004	1.1040/0.8670
FARRAGUT 345	-HAE TR1 138*	1	-73.6	9.5	-0.9918	0.9404	1.1041/0.8670
FARRAGUT 345	-HAE TR3 138*	1	-73.6	9.5	-0.9918	0.9404	1.1041/0.8670
FGT-HUD9 345	-F/S38M15 138*	1	94.1	64.6	0.8246*	0.9041	1.1041/0.8670
FGT-HUD9 345	-HAE TR2 138*	1	-72.0	10.8	-0.9890	0.9389	1.1041/0.8670
FR KILLS 345	-FRKILLR2 138*	1	215.1	-23.0	0.9943	1.0348	1.0884/0.8900
FR KILLS 345	-FRKILLSR 138*	1	215.1	-10.5	0.9988	1.0286	1.0884/0.8900
GOTHLS R 345	-GOETH T 230*	1	-221.7	116.4	-0.8854*	0.9866	1.0879/0.9540
GOWANUSN 345	-GOWNUS1T 138*	1	100.0	-18.2	0.9838	1.0218	1.1041/0.8670
GOWANUSS 345	-GOWNUS2T 138*	1	100.2	-19.7	0.9813	1.0295	1.1041/0.8670
MILLWOOD 345	-MLWD TA 138*	1	95.5	32.4	0.9469*	0.8966	1.1040/0.8670
MILLWOOD 345	-MLWD TA 138*	1	93.1	31.7	0.9465*	0.8966	1.1040/0.8670
PL VILLE 345	-PLTVILLE13.6*	1	45.8	8.1	0.9846	1.1566	1.2186/0.9706
PL VILLW 345	-PLTVILLE13.6*	1	43.8	12.2	0.9634	1.1857	1.2353/0.9706
RAINEY 345	-RAINEY3W 138*	1	134.8	61.1	0.9108*	0.9333	1.1040/0.8670
RAINEY 345	-2E DUM 138*	1	145.3	50.4	0.9447*	0.9200	1.0875/0.8545
RAINEY 345	-7E DUM 138*	1	118.4	45.1	0.9346*	0.9419	1.0875/0.8545
RAINEY 345	-7W DUM 138*	1	137.5	92.8	0.8287*	0.9055	1.0875/0.8545
RAINEY 345	-8E DUM 138*	1	-272.6	-39.6	-0.9896	0.9346	1.0875/0.8545
RAINEY 345	-8W DUM 138*	1	-204.7	-17.4	-0.9964	0.9492	1.0875/0.8545
RAINEY 345	-9E DUM 138*	1	13.8	-22.6	0.5219*	0.9630	1.1040/0.8670
RAMAPO 345	-RAMP138 138*	1	218.1	186.1	0.7607*	0.9000*	1.1000/0.9000
RAMAPO 345	-RAMP138 138*	1	218.1	186.1	0.7607*	0.9000*	1.1000/0.9000
SPRBROOK 345	-DUN NO T 138*	1	237.8	157.3	0.8340*	0.8670*	1.1041/0.8670
SPRBROOK 345	-DUN SO T 138*	1	254.7	158.8	0.8486*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR1 138*	1	178.5	83.2	0.9064*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR2 138*	1	180.5	83.1	0.9083*	0.8670*	1.1041/0.8670
W 49 ST 345	-W49 ST 1 138*	1	253.7	142.9	0.8714*	0.8918	1.1040/0.8670
W 49 ST 345	-W49 ST 2 138*	1	176.9	89.8	0.8915*	0.9045	1.1040/0.8670
W 49 ST 345	-W49 ST 3 138*	1	255.7	150.7	0.8615*	0.8897	1.1040/0.8670
W 49 ST 345	-W49 ST 4 138*	1	291.0	174.1	0.8582*	0.8872	1.1040/0.8670
W 49 ST 345	-W49 ST 5 138*	1	292.0	177.5	0.8545*	0.8845	1.1040/0.8670
GOETH T 230	-GOETHALS 230	1	-221.7	49.6	-0.9759	1.0000	1.5000/0.5100

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S. BRONX 345  -SBNXT1   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT2   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT3   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT4   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
GOETH T  230  -GOETH 1313.6  1     0.1    66.2  0.0018*  1.0000   1.5000/0.5100
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
SHORE RD 345  -SHORE RD 138* 1   252.1    23.6  0.9957   0.9100   1.1200/0.8800
SHORE RD 345  -SHORE RD 138* 1   251.3    23.3  0.9957   0.9100   1.1200/0.8800
E.G.C.-1 345  -E.G.C.   138* 1   318.0    22.3  0.9976   1.1011   1.1200/0.8800
E.G.C.-2 345  -E.G.C.-2 138* 1   318.1    22.3  0.9975   1.1011   1.1200/0.8800
COOPC345 345  -COOPC115 115* 1    50.9    -2.8  0.9985   0.9500*  1.1500/0.9500
COOPC345 345  -COOPC115 115* 1    51.3    -2.9  0.9984   0.9500*  1.1500/0.9500
FRASVC1818.2  -FRASR345 345  1     0.0   311.6  0.0000*  1.0000   1.5000/0.5100
FRASR345 345  -FRASR115 115* 1    37.4    28.6  0.7941*  0.9862   1.1468/0.9474
OAKDL345 345  -OAK2M115 115  1   118.4   -61.0  0.8889*  1.0721   1.1478/0.9391
OAKDL345 345  -OAK3M115 115  1   104.3   -66.8  0.8420*  1.0721   1.1478/0.9391
STOLE345 345  -STOLE115 115* 1    51.7    50.0  0.7187*  1.0385   1.0769/0.9744
STOLE345 345  -STOLE115 115* 1    51.4    49.6  0.7195*  1.0385   1.0769/0.9744
WATRC345 345  -WATRC230 230* 1   132.1   124.7  0.7270*  0.9562   1.1000/0.9000
WOODA345 345  -WOODS115 115* 1   143.9    89.0  0.8507*  0.8625   1.0500/0.8500
WOODB345 345  -WOODS115 115* 1   113.6    77.8  0.8251*  0.8625   1.0500/0.8500
GARDV230 230  -GARDN M734.5  1    83.2    44.3  0.8824*  1.0000   1.0750/0.9250
GARDV230 230  -GARDN M634.5  1   100.1    58.0  0.8651*  1.0000   1.0750/0.9250
HILSD230 230  -HILSD M334.5  1    94.2   -60.1  0.8428*  1.0000   1.5000/0.5100
HILSD230 230  -HILSD M434.5  1    67.7   129.8  0.4621*  1.0000   1.5000/0.5100
MEYER230 230  -MEYER M434.5  1    84.6   -11.9  0.9903   1.0250*  1.0250/0.8750
OAKDL230 230  -OAKDL115 115  1    78.1    49.4  0.8450*  0.9785   1.5000/0.5100
ROBIN230 230  -ROBIN M134.5  1    53.9     9.5  0.9848   1.0187   1.1000/0.9000
DUNKIRK  230  -DUNKIRK1 115* 1    44.1    -8.7  0.9809   1.0270   1.0779/0.9341
DUNKIRK  230  -DUNKIRK1 115* 1    46.2    -9.7  0.9786   1.0272   1.0875/0.9422
DUNKIRK  230  -DUNKGEN313.8  1  -190.1   -53.6 -0.9624   1.0977   1.5000/0.5100
ELM-70   230  -ELMST23.23.0  1    48.7    26.3  0.8800*  1.1000*  1.1000/0.9000
ELM-71   230  -ELMST23.23.0  1    20.3    17.3  0.7612*  1.1000*  1.1000/0.9000
ELM-72   230  -ELMST23.23.0  1    20.2    17.2  0.7610*  1.1000*  1.1000/0.9000
GRDNVL2  230  -GRDNVL1  115* 1    99.1    41.5  0.9223*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    61.8    25.9  0.9223*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    62.4    26.2  0.9223*  0.9641   1.0302/0.8865
PACKARD2 230  -PACK(N)E 115* 1    28.9   -30.5  0.6874*  1.0182   1.0268/0.8899
PACKARD2 230  -PACK(S)W 115* 1   -39.2    19.7 -0.8935*  0.9840   1.0268/0.8899
SUNY-79  230  -SUNYAB2334.5  1    18.7     6.8  0.9405*  0.9700   1.5000/0.5100
SUNY-80  230  -SUNYAB2334.5  1    18.5     6.7  0.9412*  0.9700   1.5000/0.5100
CLAY     345  -CLAY     115* 1   146.5     5.5  0.9993   1.0500*  1.0540/1.0500
CLAY     345  -CLAY     115* 1   146.2     5.5  0.9993   1.0500*  1.0540/1.0500
DEWITT 3 345  -DEWITT 1 115* 1   222.9    75.4  0.9473*  1.0300*  1.0540/1.0300
ELBRIDGE 345  -ELBRIDGE 115* 1   179.0    35.2  0.9812   1.0300*  1.0540/1.0300
OSWEGO   345  -OSW 3&4  115* 1   222.9    67.1  0.9576   0.9939   1.0500/0.8630
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
KB-AD115 115  -ADRON B1 230  1     0.0     0.5  0.0000*  1.0250   1.5000/0.5100
EDIC     345  -PORTER 2 230  1   274.2   146.8  0.8816*  1.0000   1.5000/0.5100
EDIC     345  -PORTER 1 115* 1   160.7    -4.1  0.9997   0.9901   1.0540/0.8630
EDIC     345  -PORTER 1 115* 1   160.7    -4.1  0.9997   0.9901   1.0540/0.8630
PORTER 2 230  -PORTER 1 115* 1    -4.0    63.5 -0.0633*  0.9300   1.1000/0.9000
PORTER 2 230  -PORTER 1 115* 1    -4.0    63.5 -0.0633*  0.9300   1.1000/0.9000
N.SCOT77 345  -N.SCOT1  115* 1   187.7    -7.9  0.9991   1.0076   1.0543/0.8623
N.SCOT99 345  -N.SCOT1  115* 1   190.6    -7.7  0.9992   1.0076   1.0540/0.8620
REYNLD3  345  -REY. RD. 115* 1   233.4    66.5  0.9617   0.9800   1.0540/0.8620
ROTRDM.2 230  -RTRDM1   115* 1   223.5    39.8  0.9845   0.9703   1.0063/0.8145
ROTRDM.2 230  -RTRDM1   115* 1   212.0    -2.9  0.9999   0.9878   1.0500/0.8500
ROTRDM.2 230  -RTRDM1   115* 1   173.1    30.5  0.9849   0.9704   1.0063/0.8146
WHAV345  345  -WHAV138  138* 1   307.7   227.1  0.8046*  0.9000*  1.0250/0.9000
SMAHWAH1 345  -SMAH138  138* 1   188.3    26.6  0.9901   0.9600   1.0200/0.9000
N.M.TAP  345  -SHOEMTAP 138* 1   376.1   104.9  0.9632   0.9510*  1.2500/0.9510
MARCY765 765  -MARCY T1 345* 1   715.5   -90.2  0.9921   1.0000   1.0606/0.8240
MARCY765 765  -MARCY T1 345* 1   623.7   -68.5  0.9940   1.0000   1.1183/0.8687
MASS 765 765  -MASS230A 230  1   -75.2    26.5 -0.9434*  0.9665   1.5000/0.5100
MASS 765 765  -MASS230B 230  1   -75.2    26.5 -0.9434*  0.9665   1.5000/0.5100
NIAG 345 345* -NIAGAR2E 230  1  -157.3    33.2 -0.9784   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2E 230  1  -157.3    33.2 -0.9784   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2W 230  1  -312.8    66.0 -0.9785   0.9900   1.0400/0.9650
MOSES W  230  -MOS 115  115  1   -21.1     4.6 -0.9774   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -20.8     4.5 -0.9775   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1    -8.1     1.8 -0.9759   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -20.9     4.5 -0.9775   0.9790   1.5000/0.5100
NIAGAR2W 230  -NIAG115E 115  1     2.7   -19.6  0.1377*  1.0000   1.5000/0.5100
NIAGAR2W 230  -NIAG115W 115  1   -82.6    39.5 -0.9022*  1.0283   1.5000/0.5100
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PLAT T#1 230	-PLAT 115	115*	1	-2.1	-33.2	-0.0617*	0.9730*	1.1314/0.9730
PLAT T#4 230	-PLAT 115	115*	1	7.8	75.1	0.1030*	1.0607	1.1314/0.9730
WILLIS E 230	-WILL 115	115*	1	28.5	15.5	0.8789*	1.0297	1.1314/0.9730
WILLIS W 230	-WILL 115	115*	1	28.5	15.5	0.8788*	1.0297	1.1314/0.9730
ROCH 345 345	-S80 1TR	115*	1	132.9	-5.3	0.9992	1.0251	1.1001/0.9500
ROCH 345 345	-S80 2TR	115*	1	174.2	-23.4	0.9911	0.9692	1.0500/0.9500
ROCH 345 345	-S80 3TR	115*	1	132.5	-5.2	0.9992	1.0251	1.1001/0.9500
PANNELL3 345	-PANNELLI	115*	1	102.2	-11.2	0.9940	1.0187	1.0750/0.9250
PANNELL3 345	-PANNELLI	115*	1	102.2	-11.2	0.9940	1.0187	1.0750/0.9250

TRANSMISSION LINE FLOW REPORT

LINE		RATEA	RATEB	RATEC	MVA	MW	MVAR FROM	MVAR TO	MVAR NET
CHA-NY 765	-MASS 765 765	3975.	3975.	5300.	1230.	1200.	-271.	97.	-175.
MASS 765 765	-MARCY765 765	3975.	3975.	5300.	1392.	1348.	-350.	-47.	-397.
NORHR138 138	-NRTHPT P 138	466.	577.	1577.	111.	100.	-48.	-44.	-91.
HOMER CY 345	-WATRC345 345	755.	927.	0.	395.	392.	46.	8.	54.
BRANCHBG 500	-RAMAPO 5 500	1048.	1373.	0.	648.	445.	471.	-502.	-31.
STLAWR33 220	-STLAWL33 230	300.	498.	0.	4.	0.	-4.	5.	1.
STLAWR34 230	-STLAWL34 230	300.	498.	0.	3.	0.	3.	-2.	0.
OAKDL345 345	-FRASR345 345	1255.	1380.	1380.	687.	684.	-61.	138.	77.
CLAY 345	-EDIC 345	1033.	1285.	1434.	637.	636.	29.	30.	60.
CLAY 345	-EDIC 345	1033.	1285.	1434.	639.	638.	29.	31.	60.
VOLNEY 345	-MARCY T1 345	1434.	1792.	1912.	793.	786.	109.	0.	110.
JA FITZP 345	-EDIC 345	1434.	1434.	1912.	788.	782.	98.	36.	134.
MASS 765 765	-MARCY765 765	3975.	3975.	5300.	1392.	1348.	-350.	-47.	-397.
MOSES W 230	-ADRON B1 230	348.	359.	440.	151.	151.	1.	2.	3.
MOSES W 230	-ADRON B2 230	348.	386.	440.	151.	151.	1.	2.	3.
EDIC 345	-N.SCOT77 345	1331.	1528.	1724.	966.	964.	68.	242.	310.
PORTER 2 230	-ROTRDM.2 230	440.	505.	560.	281.	281.	-5.	74.	68.
PORTER 2 230	-ROTRDM.2 230	439.	505.	560.	289.	289.	-6.	76.	70.
MARCY T1 345	-N.SCOT99 345	1487.	1792.	1792.	1061.	1053.	133.	208.	341.
CTNY398 345	-PLTVLLEY 345	1195.	1386.	1685.	379.	-259.	277.	-270.	7.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
COOPC345 345	-N.M.TAP 345	1464.	1793.	1793.	854.	841.	148.	-43.	105.
LEEDS 3 345	-HURLEY 3 345	1395.	1623.	1870.	818.	794.	199.	-128.	71.
LEEDS 3 345	-PLTVLLEY 345	1331.	1538.	1724.	1225.	1180.	330.	-60.	270.
ATHENS 345	-PLTVLLEY 345	1331.	1538.	1724.	1180.	1138.	316.	-61.	255.
SPRBROOK 345	-REACM51 345	774.	866.	1291.	440.	435.	-63.	140.	76.
SPRBROOK 345	-REACM52 345	774.	866.	1291.	440.	435.	-63.	140.	76.
REACM51 345	-W 49 ST 345	774.	866.	1291.	457.	435.	-140.	-145.	-284.
REACM52 345	-W 49 ST 345	774.	866.	1291.	457.	435.	-140.	-145.	-284.
DUNWODIE 345	-REAC71 345	715.	817.	1081.	421.	411.	-88.	158.	70.
DUNWODIE 345	-REAC72 345	715.	817.	1081.	421.	411.	-88.	158.	70.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
REAC71 345	-S. BRONX 345	715.	817.	1081.	440.	411.	-158.	-7.	-165.
REAC72 345	-S. BRONX 345	715.	817.	1081.	440.	411.	-158.	-7.	-165.
S. BRONX 345	-RAINEY 345	715.	817.	1081.	265.	264.	19.	-85.	-66.
S. BRONX 345	-RAINEY 345	715.	817.	1081.	265.	264.	19.	-85.	-66.
** LINE ERROR **		0.	0.	0.	0.	0.	0.	0.	0.
SPRBROOK 345	-REACBUS 345	1243.	1386.	1530.	667.	642.	-183.	183.	0.
DUNWODIE 345	-SHORE RD 345	687.	962.	1512.	515.	505.	-100.	-170.	-269.

PAR FLOW AND ANGLE REPORT

PAR		MW	MVAR	ANGLE	ANGLE RANGE
LINDEN 230	-LIN SHF 230	200.0	-136.8	-6.0	25.0/-25.0
WALDWICK 230	-FAIRL SH 230	300.4	356.2	-30.6	35.0/-35.0
WALDWICK 230	-HAWTH SH 230	310.9	-26.3	-29.1	30.0/-30.0
WALDWICK 230	-HILLS SH 230	330.7	-75.4	-29.6	32.0/-32.0
STLAWR33 220	-STLAWL33 230	-0.1	-3.9	8.7	40.0/-40.0
STLAWR34 230	-STLAWL34 230	0.2	2.6	8.6	40.0/-40.0
FARRAGUT 345	-FARRGUT1 345	-400.5	-109.2	29.5	30.0/-30.0
FARRAGUT 345	-FARRGUT2 345	-398.9	-106.9	30.0*	30.0/-30.0
GOTHLS N 345	-GOTHLS R 345	-221.3	133.3	-25.0*	25.0/-25.0
RAM PAR 345	-RAMAPO 345	220.7	234.3	23.0	40.0/-40.0
RAM PAR 345	-RAMAPO 345	220.7	234.3	23.0	40.0/-40.0
CORONA-S 138	-CORONA1R 138	25.1	-2.2	24.6	25.0/-25.0
DUN NO 138	-DUN NO1R 138	64.9	17.2	-18.4	20.0/-20.0
DUN NO 138	-DUN NO2R 138	64.9	17.6	-18.4	20.0/-20.0
DUN SO 138	-DUN SO1R 138	65.0	12.1	-20.5	25.0/-25.0
DUN SO 138	-DUN SO1R 138	65.0	12.1	-20.5	25.0/-25.0

CORONA-N 138 -CORONA2R 138	25.1	15.3	24.7	25.0/-25.0
FRKILLR2 138 -FR-KILLS 138	214.8	-40.1	-3.3	25.0/-25.0
FRKILLSR 138 -FR-KILLS 138	214.7	-28.1	-3.9	25.0/-25.0
GOWNUS1T 138 -GOWNUS1R 138	99.9	-23.7	-0.3	25.0/-25.0
GOWNUS2T 138 -GOWNUS2R 138	100.1	-25.1	-0.1	25.0/-25.0
ASTE-PAR 138 -ASTE-WRG 138	-220.1	-3.8	8.7	25.0/-25.0
PARK TR1 138 -PARK1REG 138	180.2	64.7	-21.7	25.0/-25.0
PARK TR2 138 -PARK2REG 138	180.2	64.2	-21.8	25.0/-25.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
EGC PAR 345 -E.G.C.-1 345	318.3	50.4	9.2	25.0/-25.0
EGC PAR 345 -E.G.C.-2 345	318.4	50.6	9.3	25.0/-25.0
L SUCSPH 138 -L SUCS 138	-148.3	31.8	-3.8	25.0/-25.0
NRTHPT P 138 -NRTHPT1 138	99.6	43.6	-5.5	50.0/-50.0
V STRM P 138 -VLY STRM 138	-142.2	53.7	-2.7	25.0/-25.0
INGMS-CD 115 -INGHAM-E 115	119.0	-7.2	13.5	20.0/-20.0
PLAT 115 115 -PLAT T#3 115	0.0	0.0	19.4	40.0/-40.0

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
COAL CR4 230 ->DICKNSN3 345*	1	1 -505.1	310.3
COAL CR4 230 ->DICKNSN3 345*	2	1 -505.1	310.3
SQBUTTE4 230* ->ARROWHD4 230	3	2 220.5	135.7
SQBUTTE4 230* ->ARROWHD4 230	4	2 220.5	135.7
RADSNDC6 138* ->DC5 JCT4 230	5	1 819.5	488.5
RADSNDC6 138* ->DC6 JCT4 230	6	1 819.5	488.9
HENDAY 4 230* ->DORSEY 4 230	7	1 931.0	579.3
HENDAY 4 230* ->DORSEY 4 230	8	1 931.0	579.3
MI CTYW4 230 ->MI CTYE4 230*	9	1 -32.0	65.6
SIDNEYW4 230 ->SIDNEY 4 230*	10	0 0.0	0.0
CHAT G 315 ->CHAT G3 120*	11	1 -383.7	248.3
CHAT G2 315 ->CHAT G4 120*	12	1 -383.7	248.3
HIGHGT 120 ->HIGHGATE 115*	13	1 -167.0	87.2
MADAWA 315 ->MADAWANB 345*	14	0 0.0	0.0
EEL34A 34.5 ->EELDC2NB34.5*	15	0 0.0	0.0
EEL34B 34.5 ->EELDC1NB34.5*	16	0 0.0	0.0
RAD3152 315 ->NIC230 230*	17	0 0.0	0.0
RAD3152 315 ->NIC230 230*	18	0 0.0	0.0
RAD3152 315 ->SANDY PD 345*	19	1 -750.0	372.8
RAD3152 315 ->SANDY PD 345*	20	1 -750.0	372.8
CHAT G3 120* ->CHAT G 315	21	0 0.0	0.0
CHAT G4 120* ->CHAT G2 315	22	0 0.0	0.0
MADAWANB 345 ->MADAWA 315*	24	0 0.0	0.0
EELDC2NB34.5 ->EEL34A 34.5*	25	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	27	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	28	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	37	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	38	0 0.0	0.0

LBMP ZONE REPORT

	ZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR	GEN MW	MVAR	INT MW	MVAR
1	WEST	2538.	1058.	0.9229	87.	1231.	4826.	1186.	2200.	-226.
2	GENESEE	1741.	551.	0.9534	62.	467.	614.	-4.	-1188.	221.
3	CENTRAL	2811.	1250.	0.9137	174.	2298.	5626.	1435.	2640.	-532.
4	NORTH	678.	246.	0.9400	17.	264.	1208.	67.	513.	-74.
5	MOHAWK	1080.	373.	0.9451	204.	2613.	654.	342.	-630.	202.
6	CAPITAL	2253.	870.	0.9329	95.	1054.	2536.	1489.	189.	1343.
7	HUDSON	2739.	840.	0.9560	149.	2211.	3016.	1504.	128.	-543.
8	MILLWOOD	835.	282.	0.9473	52.	1246.	2264.	811.	1377.	-66.
9	DUNWOODI	1669.	779.	0.9063	44.	1326.	3.	0.	-1710.	-329.
10	NYC	12265.	5808.	0.9038	167.	5555.	8812.	4904.	-3620.	-641.
11	L ISLAND	5895.	2080.	0.9430	98.	1409.	4053.	1206.	-1940.	375.
	TOTALS	34505.	14138.		1147.	19674.	33612.	12938.	-2041.	-269.

LBMP SUBZONE REPORT

LBMP SUBZONE NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
NMPC WES	1	1595.3	679.8	0.9200	63.3	806.1
NMPC CEN	2	1604.3	709.4	0.9146	90.9	1441.5
NMPC MVN	3	753.4	217.1	0.9609	197.2	2576.4
NMPC EAS	4	2126.9	815.0	0.9338	90.3	1032.5

NYSEG WE	5	506.0	239.7	0.9037	20.4	258.2
NYSEG CE	6	1131.1	504.4	0.9133	82.8	857.1
NYSEG EA	7	261.6	125.6	0.9014	7.2	36.4
NYSEG HU	8	18.1	7.4	0.9262	0.0	0.0
RG&E	9	1439.4	454.5	0.9536	30.1	355.8
CENT HUD	10	1439.8	401.7	0.9632	105.9	1374.0
O&R	11	1281.1	431.0	0.9478	26.1	302.4
LIPA	12	5869.5	2068.1	0.9432	98.4	1386.8
NYPA WES	13	436.7	139.0	0.9529	3.6	166.6
NYPA NOR	14	509.9	186.7	0.9390	5.6	123.3
CON ED C	15	12265.1	5807.6	0.9038	166.5	5545.8
NYPA B	16	37.5	18.2	0.9000	0.7	1.6
NYPA C	17	75.6	36.6	0.9000	0.0	0.0
NYPA E	18	60.3	29.1	0.9009	0.0	0.0
NYSEG NO	19	100.5	42.8	0.9201	2.4	32.9
NYPA F	20	21.5	10.4	0.8999	0.0	0.2
NYSEG ME	21	104.6	44.6	0.9200	4.4	20.9
NYPA H	22	36.0	21.3	0.8609	3.8	181.7
CON ED N	23	449.5	154.8	0.9455	39.0	954.3
NYPA I	24	0.0	0.0		0.0	0.0
CON ED C	25	1669.4	778.7	0.9063	42.4	1322.3
NYPA J	26	0.0	0.0		0.0	9.3
NYPA K	27	25.5	11.4	0.9128	0.6	26.5
NYPA G	28	0.0	0.0		0.0	0.0
NMPC GNS	29	264.1	78.5	0.9586	30.8	108.7
NYSEG BR	30	349.6	106.4	0.9567	9.2	110.0
NMPC NTH	31	67.6	16.6	0.9710	8.8	107.5
CE UPNY	32	0.0	0.0		16.6	534.9
CENT H C	33	4.7	1.7	0.9396	0.0	0.0
	34	0.0	0.0		0.0	0.0

SUBSYSTEM LOAD & LOSS MW 34504.5 1146.8

OWNER REPORT

OWNER NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
CENT HUD	1	1444.4	403.5	0.9631	44.4	596.3
CONED	2	14383.9	6741.0	0.9055	256.1	8005.5
LIPA	3	5895.0	2079.5	0.9430	95.2	1418.5
NYSEG	4	2413.5	1042.7	0.9180	134.7	1586.6
NIMO	5	6196.4	2404.5	0.9323	378.7	4015.0
O&R	6	1281.1	431.0	0.9478	28.6	543.4
NYPA	7	1450.7	581.1	0.9283	180.8	3264.7
RGE	8	1439.4	454.5	0.9536	29.4	343.0

SUBSYSTEM LOAD & LOSS MW 34504.5 1148.1

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CASE :CEII 2005 FERC FORM NO. 715, 2013 SUM PK V3
      DYS1963 WC791 MS1539 TE5045 CE2524 US4779 UC3842 DS3273
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STATION VOLTAGES

BOWLINE1 345 = 323.4*	BOWLINE2 345 = 324.9*	BUCH S 345 = 318.1*
CLAY 345 = 357.5	COOPC345 345 = 333.4*	DUNWODIE 345 = 314.1*
EDIC 345 = 352.1	FARRAGUT 345 = 326.3*	FRASR345 345 = 357.2
GRDNVL2 230 = 228.4	GILB 345 345 = 358.5	GOTHLS N 345 = 353.0
GOWANUSN 345 = 349.6	LADENTWN 345 = 322.2*	LEEDS 3 345 = 346.8
MARCY T1 345 = 352.3	MILLWOOD 345 = 315.4*	N.SCOT77 345 = 351.4
N.SCOT99 345 = 351.4	NIAGAR2E 230 = 234.6	NIAGAR2W 230 = 234.6
NIAG 345 345 = 357.0	NRTHPRT1 138 = 142.1	OAKDL345 345 = 352.8
PANNELL3 345 = 357.3	PLTVLLEY 345 = 324.8*	RAINEY 345 = 328.5*
RAMAPO 345 = 321.0*	RAMAPO 5 500 = 462.4*	ROCK TAV 345 = 325.7*
ROSETON 345 = 329.5*	KINTI345 345 = 358.8	SPRBROOK 345 = 314.0*
ROCH 345 345 = 356.6	MOSES W 230 = 236.9	WATRC230 230 = 232.1
CHA-NY 765 = 760.3	MARCY765 765 = 776.3	MASS 765 765 = 766.0
FISHKILL 345 = 325.0*	HURLEY 3 345 = 335.3	SHORE RD 345 = 312.4*
VOLNEY 345 = 361.0	WATRC345 345 = 342.0	DUNKIRK 230 = 239.2
MEYER230 230 = 227.0	OAKDL230 230 = 223.9	ROTRDM.2 230 = 226.4
CHANY2 120 = 123.9	CHANY1 120 = 123.9	ALB3 115 = 119.0
BATH 115 115 = 115.8	BORDR115 115 = 115.3	CLAY 115 = 113.3
DELHI115 115 = 118.2	E.NOR115 115 = 117.4	FALCONER 115 = 115.3
GOUDY115 115 = 112.3	MEYER115 115 = 116.1	MOS 115 115 = 120.8*
NIAG115E 115 = 118.4	NIAG115W 115 = 118.4	N.WAV115 115 = 114.4
OAKDL115 115 = 112.0	PLAT T#3 115 = 118.6	PL.VAL 1 115 = 112.9
PORTER 1 115 = 119.0	ROCK TV1 115 = 115.5	RTRDM1 115 = 115.0
SHENANDO 115 = 111.3	S82-1115 115 = 116.8	

GENERATOR/SVC QUANTITIES

GENERATOR	MW	PMAX	PMIN	MVAR	QMAX	QMIN	VSCHED	VTBUS
GILBOA#117.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0265
GILBOA#217.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0263
GILBOA#317.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0263
GILBOA#417.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9905
9M PT 1G23.0	626.0	626.0	300.0	116.7	340.0	0.0	1.0500	1.0246
9M PT 2G25.0	1212.0	1212.0	700.0	211.8	360.0	50.0	1.0500	0.9972
OSWGO 5G22.0	769.5	881.0	250.0	166.5	340.0	-240.0	1.0500	1.0026
OSWGO 6G22.0	200.0	881.0	200.0	166.5	330.0	-270.0	1.0500	1.0065
JAFITZ1G24.0	848.8	848.8	230.0	224.7	375.0	-300.0	1.0500	0.9980
SITH-G1 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G2 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G3 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-G4 18.0	115.0	170.0	0.0	26.4	126.9	-80.0	1.0500	0.9874
SITH-S5 18.0	160.0	220.6	0.0	26.4	104.7	-75.0	1.0500	0.9830
SITH-S6 18.0	160.0	220.6	0.0	26.4	104.7	-75.0	1.0500	0.9830
ROSE GN124.0	612.7*	610.0	150.0	310.0	310.0	-106.0	1.0300	0.9701
ROSE GN224.0	610.0	610.0	150.0	190.0	190.0	-57.0	1.0300	0.9422
BOW1 20.0	592.0	592.0	150.0	384.0	384.0	-100.0	1.0300	0.9846
BOW2 20.0	592.0	592.0	150.0	380.0	380.0	-100.0	1.0300	0.9877
IND PT 222.0	1127.6*	1078.0	314.0	550.0	550.0	-300.0	1.0400	0.9489
IP#3 GEN22.0	1080.0	1080.0	314.0	225.0	225.0	-100.0	1.0300	0.8922
RAV 3 22.0	972.0	972.0	386.0	792.4	792.4	-265.7	1.0400	0.9773
	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0000
KINTIG2424.0	557.6	709.0	197.0	53.6	275.0	-100.0	1.0400	1.0212
GINNA 1919.0	542.3	610.1	50.0	-7.9	261.4	-139.9	1.0522	1.0239
NIAG. 8 13.8	200.0	215.0	0.0	12.9	69.8	-28.0	1.0200	0.9880
NIAG. 1113.8	200.0	215.0	0.0	12.9	69.8	-28.0	1.0200	0.9866
MOS17-1813.8	105.0	114.0	0.0	11.2	44.0	-36.0	1.0200	1.0200
MOS29-3013.8	114.0	114.0	0.0	18.1	44.0	-36.0	1.0200	1.0200
DUNKGEN313.8	197.0	197.0	50.0	81.7	120.0	0.0	1.0400	0.9835
DUNKGEN413.8	191.0	191.0	50.0	81.7	120.0	0.0	1.0400	0.9838
HNTLY67G13.8	191.4	191.4	50.0	100.0	100.0	0.0	1.0260	0.9887
HNTLY68G13.8	190.6	190.6	50.0	100.0	100.0	0.0	1.0260	0.9893
FRASVC1818.2	0.0	0.0	0.0	311.5	325.0	-300.0	1.0355	1.1792
LEEDS 3 345	0.0	0.0	0.0	270.0	270.0	-300.0	1.0255	1.0051
USTATCOM 345	0.0*	0.0	0.0	204.2*	204.2	-204.2	0.0000	1.0212
CHAT G3 120	0.0	0.0	0.0	-83.5	166.2	-99.1	1.0250	1.0250
CHAT G4 120	0.0	0.0	0.0	-83.5	83.1	-99.1	1.0250	1.0250

GENERATOR COMPLEX REPORT

GEN COMPLEX	ON	OFF	MW	SPRES	PMAX	PMIN	MVAR	REMVAR	QMAX	QMIN

AREA-1-FRONTIER	62	8	4826.	366.	5924.	662.	1186.	856.	2338.	-869.
AREA-2-GENESSEE	5	12	614.	68.	824.	78.	-4.	297.	351.	-173.
AREA-3-SYRACUSE	63	3	5626.	1206.	7000.	1971.	1435.	1643.	3105.	-1365.
AREA-4-ADIRONDK	52	2	1208.	17.	1305.	234.	67.	807.	899.	-456.
AREA-5-UTICA	128	9	654.	81.	952.	0.	342.	253.	672.	-587.
AREA-6-CAPITAL	76	14	2536.	614.	4135.	45.	1489.	249.	2141.	-1431.
AREA-7-MIDHUDSN	27	11	3016.	4.	3539.	968.	1504.	9.	1850.	-590.
AREA-8-MILLWOOD	5	0	2264.*	-50.	2215.	628.	811.	0.	811.	-424.
AREA-9-SPR	1	0	3.	0.	3.	0.	0.	0.	0.	0.
AREA-10-NYC_ZON	82	11	8812.	-132.	9350.	2717.	4904.	1406.	6777.	-3743.
AREA-11-L-ISLAN	63	27	4053.	331.	5526.	1000.	1206.	442.	1877.	-1568.
AREA-31-PSEG	64	20	7443.	315.	9988.	5560.	2059.	1350.	4568.	-2007.
OSWEGO-GENERATI	11	0	4436.	1134.	5570.	1680.	1044.	1418.	2462.	-1230.
NIAGARA-GENERAT	24	1	2700.	180.	3095.	0.	478.	476.	1025.	-539.
ST.LAWRENCE-GEN	18	0	903.	9.	912.	0.	58.	594.	652.	-348.
GILBOA-GENERATI	3	1	750.	0.	1000.	0.	270.	0.	360.	-120.
HUNTLEY-GENERAT	4	4	382.	0.	722.	185.	200.	0.	375.	0.
DUNKIRK-GENERAT	6	0	558.	0.	558.	140.	245.	95.	340.	0.
ROSETON-GENERAT	2	0	1223.*	-3.	1220.	300.	500.	0.	500.	-163.
BETHLEHEM-GENER	4	0	420.	370.	790.	45.	429.	131.	560.	-290.
ATHENS-GENERATI	4	2	570.	150.	1080.	0.	330.	0.	495.	-495.
COGENTECH-GENER	8	0	645.	0.	645.	0.	150.	250.	400.	-160.
SCSASTORIA-GENE	3	0	435.	165.	600.	120.	259.	99.	358.	-217.
POLEXPANS-GENER	3	0	638.	0.	638.	0.	353.	1.	354.	-354.
DANSKAM-GENERAT	2	0	379.	0.	379.	150.	138.	0.	138.	-48.
HOMER-CITY-GENE	3	0	1884.	0.	1884.	900.	351.	597.	948.	-393.
NORTHFIELD-GENE	3	1	750.	60.	1080.	-1000.	205.	35.	320.	-160.
BRUCE-GENERATIO	6	2	4460.	356.	6272.	0.	1546.	1184.	3380.	-2540.

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1959.6	-128.4	DYSINGER-EAST-(C)	2880.6	505.5
WEST-CENTRAL	741.2	24.5	WEST-CENTRAL-(C)	1662.2	658.4
VOLNEY-EAST	3705.6	-169.3	VOLNEY-EAST-(C)	4318.8	338.4
MOSES-SOUTH	1579.8	-342.5	MOSES-SOUTH-(C)	1697.1	-349.7
CENTRAL-EAST	2760.9	-615.2	TOTAL-EAST	5393.6	-128.6
UPNY-SENY	5164.1	1643.6	UPNY-SENY-(C)	5765.0	1624.7
UPNY-CONED	3780.0	661.6	UPNY-CONED-(C)	5888.3	1017.3
MILLWOOD-SOUTH	6606.3	761.1	LIPA-IMPORT	1939.4	-24.2
DUNWOODIE-SOUTH	3455.0	-498.9	DUNWOODIE-SOUTH-(C)	5563.3	-143.1
CONED-CABLE-INT-(C)	3623.9	-118.9	A-B-C-J-K-PAR-IMBAL	0.1	195.5
NIAGARA-TIE	-58.3	64.8	CEDARS-IMPORT	0.0	4.8
PJM-NY	725.3	597.7	NE-NY	172.5	365.9
ON-NY	-58.7	64.5	ONTARIO-MICHIGAN	57.9	24.0
CONED-345	1692.6	-594.3	CONED-138	908.6	87.3
Y49-Y50	1143.4	16.0	138-POCKET	1009.4	223.6
AST-POCKET	624.6	344.2	GRNWD-POCKET	810.7	-14.0
STAT-POCKET	349.0	-54.7	E13-POCKET	1027.7	506.3
W49-POCKET	2303.1	496.7	EVIEW-POCKET	810.4	230.4
DUNSO-POCKET	173.6	108.8	DUNNO-POCKET	117.5	-100.4
ON-MAN-MIN	0.3	-42.8	VOLT-TE#3	4515.3	-270.4
EAST OF HOLBROOK	162.1	42.2	NEWBRIDGE EAST	-109.5	-199.6
AR-3-BULK-XFMRS	1601.7	210.7	AR-4-BULK-XFMRS	-158.8	134.9
AR-5-BULK-XFMRS	2063.5	5.0	AR-6-BULK-XFMRS	1220.0	94.5
AR-7-BULK-XFMRS	1829.1	954.2	AR-8-BULK-XFMRS	598.3	235.1
AR-3-4-5-6-7-8X	7153.8	1634.4	CONED-CABLE-INT	2601.2	-507.0

SHUNT REPORT

SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT
MARCY T1 345	417.	400.	OAKDL345 345	0.	135.	N.SCOT77 345	280.	270.
N.SCOT99 345	140.	135.	LEEDS 3 345	273.	270.	EDIC 345	208.	200.
MOS 115 115	75.	68.	PORTER 1 115	61.	57.	MARCY765 765	-206.	-200.
MASS 765 765	-201.	-400.	FRASR345 345	300.	280.	COOPC345 345	262.	280.
ROCK TAV 345	241.	270.	FISHKILL 345	240.	270.	GILB 345 345	146.	135.
ROTRDM.2 230	163.	169.	ROCH 345 345	0.	135.	CLAY 115	49.	50.
MOS 115 115	75.	68.	DUNWODIE 345	0.	-150.	FARRGUT1 345	-58.	-60.
FARRGUT2 345	-58.	-60.	GOTHLS N 345	0.	-150.	GOTHLS S 345	-158.	-150.
GOWANUSN 345	-154.	-150.	GOWANUSS 345	0.	-150.	PL VILLE 345	0.	-20.
PL VILLW 345	0.	-20.	RAINEY 345	0.	-300.	SPRBROOK 345	0.	0.
REACBUS 345	-124.	-300.	EASTVIEW 138	0.	0.	E179 ST 138	0.	-150.
GRENWOOD 138	0.	-150.	REACM51 345	0.	-300.	REACM52 345	0.	-300.

GOETH 1313.6   -62. -140. SHORE RD 345 -123. -150. HMP HRBR 345 -124. -150.
EGC DUM 345   0.   0.

TRANSFORMER FLOW REPORT

TRANSFORMER		CNTL	MW	MVAR	PF	TAP	TAP RANGE
HURLEY 3 345	-HURLEY 1 115*	1	268.8	54.4	0.9802	1.0536	1.1607/0.9497
ROCK TAV 345	-ROCK TV1 115*	1	174.0	95.1	0.8775*	1.1149	1.1831/0.9647
ROCK TAV 345	-ROCK TV1 115*	1	174.0	95.1	0.8775*	1.1149	1.1831/0.9647
FISHKILL 345	-E FISH I 115*	1	127.7	13.6	0.9944	0.9647*	1.1830/0.9647
PLTVLLEY 345	-PL.VAL 1 115*	1	92.2	101.9	0.6709*	0.9141*	1.1173/0.9141
RAMAPO 5 500	-RAM PAR 345*	1	441.9	501.7	0.6610*	0.9000*	1.1000/0.9000
BOWLINE2 345	-BOW138 138*	1	237.5	19.9	0.9965	1.0250*	1.0250/0.9000
		0	0.0	0.0	1.0000	0.0000*	0.0000/0.0000
BUCH N 345	-BUCHNTA5 138*	1	152.6	28.0	0.9836	0.9188	1.1040/0.8670
DUNWODIE 345	-DUN NO 138*	1	259.3	12.1	0.9989	0.9185	1.1041/0.8670
DUNWODIE 345	-DUN SO 138*	1	292.3	161.0	0.8760*	0.8740	1.1041/0.8670
E VIEW1 345	-EASTVIEW 138*	1	208.3	84.7	0.9264*	0.8892	1.1041/0.8670
E VIEW2 345	-EASTVIEW 138*	1	201.5	68.2	0.9472*	0.8892	1.1041/0.8670
E VIEW3 345	-EASTVIEW 138*	1	200.8	67.9	0.9474*	0.8892	1.1041/0.8670
E VIEW4 345	-EASTVIEW 138*	1	200.8	67.9	0.9474*	0.8892	1.1041/0.8670
E15ST 45 345	-E13 ST 138*	1	171.4	91.6	0.8819*	0.9034	1.1041/0.8670
E15ST 45 345	-T14MPT 138	1	143.6	77.0	0.8814*	1.0000	1.5000/0.5100
E15ST 46 345	-E13 ST 138*	1	164.8	88.9	0.8801*	0.9034	1.1041/0.8670
E15ST 46 345	-T13MPT 138	1	149.2	80.0	0.8814*	1.0000	1.5000/0.5100
E15ST 47 345	-E13 ST 138*	1	172.4	94.6	0.8767*	0.9034	1.1041/0.8670
E15ST 47 345	-E RIVER 69.0*	1	-105.4	-28.0	-0.9665	0.9627	1.0870/0.8540
E15ST 48 345	-E13 ST 138*	1	173.7	94.0	0.8795*	0.9034	1.1041/0.8670
E15ST 48 345	-T11MPT 138	1	159.6	86.7	0.8786*	1.0000	1.5000/0.5100
FARRAGUT 345	-F/S38M11 138*	1	104.5	66.4	0.8438*	0.9043	1.1040/0.8670
FARRAGUT 345	-F/S38M12 138*	1	104.5	66.1	0.8452*	0.9040	1.1040/0.8670
FARRAGUT 345	-F/S38M13 138*	1	25.7	-7.8	0.9570	0.9419	1.1040/0.8670
FARRAGUT 345	-F/S38M14 138*	1	104.8	65.9	0.8464*	0.9040	1.1040/0.8670
FARRAGUT 345	-FGT/BRT1 138*	1	184.2	60.0	0.9508	0.9116	1.1040/0.8670
FARRAGUT 345	-FGT/BRT2 138*	1	185.2	65.2	0.9432*	0.9042	1.1040/0.8670
FARRAGUT 345	-FGT/BRT3 138*	1	185.4	65.4	0.9430*	0.9042	1.1040/0.8670
FARRAGUT 345	-FGT/BRT4 138*	1	184.1	59.7	0.9512	0.9116	1.1040/0.8670
FARRAGUT 345	-FGT/HAT1 138*	1	92.4	43.3	0.9055*	0.9115	1.1040/0.8670
FARRAGUT 345	-FGT/HAT2 138*	1	94.2	49.8	0.8839*	0.8966	1.1040/0.8670
FARRAGUT 345	-FGT/HAT3 138*	1	59.8	24.0	0.9280*	0.9126	1.1040/0.8670
FARRAGUT 345	-FGT/HAT4 138*	1	59.0	20.8	0.9428*	0.9188	1.1040/0.8670
FARRAGUT 345	-FGT/HAT5 138*	1	59.4	23.9	0.9275*	0.9128	1.1040/0.8670
FARRAGUT 345	-FGT/HAT6 138*	1	95.0	52.0	0.8771*	0.8945	1.1040/0.8670
FARRAGUT 345	-FGT/HAT7 138*	1	93.7	48.9	0.8866*	0.9004	1.1040/0.8670
FARRAGUT 345	-HAE TR1 138*	1	-73.6	9.5	-0.9918	0.9404	1.1041/0.8670
FARRAGUT 345	-HAE TR3 138*	1	-73.6	9.5	-0.9918	0.9404	1.1041/0.8670
FGT-HUD9 345	-F/S38M15 138*	1	94.1	64.6	0.8246*	0.9041	1.1041/0.8670
FGT-HUD9 345	-HAE TR2 138*	1	-72.0	10.8	-0.9890	0.9389	1.1041/0.8670
FR KILLS 345	-FRKILLR2 138*	1	215.1	-23.0	0.9943	1.0348	1.0884/0.8900
FR KILLS 345	-FRKILLSR 138*	1	215.1	-10.5	0.9988	1.0286	1.0884/0.8900
GOTHLS R 345	-GOETH T 230*	1	-221.7	116.4	-0.8854*	0.9866	1.0879/0.9540
GOWANUSN 345	-GOWNUS1T 138*	1	100.0	-18.2	0.9838	1.0218	1.1041/0.8670
GOWANUSS 345	-GOWNUS2T 138*	1	100.2	-19.7	0.9813	1.0295	1.1041/0.8670
MILLWOOD 345	-MLWD TA 138*	1	95.5	32.4	0.9469*	0.8966	1.1040/0.8670
MILLWOOD 345	-MLWD TA 138*	1	93.1	31.7	0.9465*	0.8966	1.1040/0.8670
PL VILLE 345	-PLTVILLE13.6*	1	45.8	8.1	0.9846	1.1566	1.2186/0.9706
PL VILLW 345	-PLTVILLE13.6*	1	43.8	12.2	0.9634	1.1857	1.2353/0.9706
RAINEY 345	-RAINEY3W 138*	1	134.8	61.1	0.9108*	0.9333	1.1040/0.8670
RAINEY 345	-2E DUM 138*	1	145.3	50.4	0.9447*	0.9200	1.0875/0.8545
RAINEY 345	-7E DUM 138*	1	118.4	45.1	0.9346*	0.9419	1.0875/0.8545
RAINEY 345	-7W DUM 138*	1	137.5	92.8	0.8287*	0.9055	1.0875/0.8545
RAINEY 345	-8E DUM 138*	1	-272.6	-39.6	-0.9896	0.9346	1.0875/0.8545
RAINEY 345	-8W DUM 138*	1	-204.7	-17.4	-0.9964	0.9492	1.0875/0.8545
RAINEY 345	-9E DUM 138*	1	13.8	-22.6	0.5219*	0.9630	1.1040/0.8670
RAMAPO 345	-RAMP138 138*	1	218.1	186.1	0.7607*	0.9000*	1.1000/0.9000
RAMAPO 345	-RAMP138 138*	1	218.1	186.1	0.7607*	0.9000*	1.1000/0.9000
SPRBROOK 345	-DUN NO T 138*	1	237.8	157.3	0.8340*	0.8670*	1.1041/0.8670
SPRBROOK 345	-DUN SO T 138*	1	254.7	158.8	0.8486*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR1 138*	1	178.5	83.2	0.9064*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR2 138*	1	180.5	83.1	0.9083*	0.8670*	1.1041/0.8670
W 49 ST 345	-W49 ST 1 138*	1	253.7	142.9	0.8714*	0.8918	1.1040/0.8670
W 49 ST 345	-W49 ST 2 138*	1	176.9	89.8	0.8915*	0.9045	1.1040/0.8670
W 49 ST 345	-W49 ST 3 138*	1	255.7	150.7	0.8615*	0.8897	1.1040/0.8670
W 49 ST 345	-W49 ST 4 138*	1	291.0	174.1	0.8582*	0.8872	1.1040/0.8670
W 49 ST 345	-W49 ST 5 138*	1	292.0	177.5	0.8545*	0.8845	1.1040/0.8670
GOETH T 230	-GOETHALS 230	1	-221.7	49.6	-0.9759	1.0000	1.5000/0.5100

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S. BRONX 345  -SBNXT1   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT2   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT3   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
S. BRONX 345  -SBNXT4   138* 1    73.2    -5.7  0.9970   0.9407   1.1040/0.8670
GOETH T  230  -GOETH 1313.6  1     0.1    66.2  0.0018*  1.0000   1.5000/0.5100
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
SHORE RD 345  -SHORE RD 138* 1   252.1    23.6  0.9957   0.9100   1.1200/0.8800
SHORE RD 345  -SHORE RD 138* 1   251.3    23.3  0.9957   0.9100   1.1200/0.8800
E.G.C.-1 345  -E.G.C.   138* 1   318.0    22.3  0.9976   1.1011   1.1200/0.8800
E.G.C.-2 345  -E.G.C.-2 138* 1   318.1    22.3  0.9975   1.1011   1.1200/0.8800
COOPC345 345  -COOPC115 115* 1    50.9    -2.8  0.9985   0.9500*  1.1500/0.9500
COOPC345 345  -COOPC115 115* 1    51.3    -2.9  0.9984   0.9500*  1.1500/0.9500
FRASVC1818.2  -FRASR345 345  1     0.0   311.6  0.0000*  1.0000   1.5000/0.5100
FRASR345 345  -FRASR115 115* 1    37.4    28.6  0.7941*  0.9862   1.1468/0.9474
OAKDL345 345  -OAK2M115 115  1   118.4   -61.0  0.8889*  1.0721   1.1478/0.9391
OAKDL345 345  -OAK3M115 115  1   104.3   -66.8  0.8420*  1.0721   1.1478/0.9391
STOLE345 345  -STOLE115 115* 1    51.7    50.0  0.7187*  1.0385   1.0769/0.9744
STOLE345 345  -STOLE115 115* 1    51.4    49.6  0.7195*  1.0385   1.0769/0.9744
WATRC345 345  -WATRC230 230* 1   132.1   124.7  0.7270*  0.9562   1.1000/0.9000
WOODA345 345  -WOODS115 115* 1   143.9    89.0  0.8507*  0.8625   1.0500/0.8500
WOODB345 345  -WOODS115 115* 1   113.6    77.8  0.8251*  0.8625   1.0500/0.8500
GARDV230 230  -GARDN M734.5  1    83.2    44.3  0.8824*  1.0000   1.0750/0.9250
GARDV230 230  -GARDN M634.5  1   100.1    58.0  0.8651*  1.0000   1.0750/0.9250
HILSD230 230  -HILSD M334.5  1    94.2   -60.1  0.8428*  1.0000   1.5000/0.5100
HILSD230 230  -HILSD M434.5  1    67.7   129.8  0.4621*  1.0000   1.5000/0.5100
MEYER230 230  -MEYER M434.5  1    84.6   -11.9  0.9903   1.0250*  1.0250/0.8750
OAKDL230 230  -OAKDL115 115  1    78.1    49.4  0.8450*  0.9785   1.5000/0.5100
ROBIN230 230  -ROBIN M134.5  1    53.9     9.5  0.9848   1.0187   1.1000/0.9000
DUNKIRK  230  -DUNKIRK1 115* 1    44.1    -8.7  0.9809   1.0270   1.0779/0.9341
DUNKIRK  230  -DUNKIRK1 115* 1    46.2    -9.7  0.9786   1.0272   1.0875/0.9422
DUNKIRK  230  -DUNKGEN313.8  1  -190.1   -53.6 -0.9624   1.0977   1.5000/0.5100
ELM-70   230  -ELMST23.23.0  1    48.7    26.3  0.8800*  1.1000*  1.1000/0.9000
ELM-71   230  -ELMST23.23.0  1    20.3    17.3  0.7612*  1.1000*  1.1000/0.9000
ELM-72   230  -ELMST23.23.0  1    20.2    17.2  0.7610*  1.1000*  1.1000/0.9000
GRDNVL2  230  -GRDNVL1  115* 1    99.1    41.5  0.9223*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    61.8    25.9  0.9223*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    62.4    26.2  0.9223*  0.9641   1.0302/0.8865
PACKARD2 230  -PACK(N)E 115* 1    28.9   -30.5  0.6874*  1.0182   1.0268/0.8899
PACKARD2 230  -PACK(S)W 115* 1   -39.2    19.7 -0.8935*  0.9840   1.0268/0.8899
SUNY-79  230  -SUNYAB2334.5  1    18.7     6.8  0.9405*  0.9700   1.5000/0.5100
SUNY-80  230  -SUNYAB2334.5  1    18.5     6.7  0.9412*  0.9700   1.5000/0.5100
CLAY     345  -CLAY     115* 1   146.5     5.5  0.9993   1.0500*  1.0540/1.0500
CLAY     345  -CLAY     115* 1   146.2     5.5  0.9993   1.0500*  1.0540/1.0500
DEWITT 3 345  -DEWITT 1 115* 1   222.9    75.4  0.9473*  1.0300*  1.0540/1.0300
ELBRIDGE 345  -ELBRIDGE 115* 1   179.0    35.2  0.9812   1.0300*  1.0540/1.0300
OSWEGO   345  -OSW 3&4  115* 1   222.9    67.1  0.9576   0.9939   1.0500/0.8630
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
SCRIBA   345  -SCRIBA   115  1     3.3     0.0  1.0000   1.0000   1.5000/0.5100
KB-AD115 115  -ADRON B1 230  1     0.0     0.5  0.0000*  1.0250   1.5000/0.5100
EDIC     345  -PORTER 2 230  1   274.2   146.8  0.8816*  1.0000   1.5000/0.5100
EDIC     345  -PORTER 1 115* 1   160.7    -4.1  0.9997   0.9901   1.0540/0.8630
EDIC     345  -PORTER 1 115* 1   160.7    -4.1  0.9997   0.9901   1.0540/0.8630
PORTER 2 230  -PORTER 1 115* 1    -4.0    63.5 -0.0633*  0.9300   1.1000/0.9000
PORTER 2 230  -PORTER 1 115* 1    -4.0    63.5 -0.0633*  0.9300   1.1000/0.9000
N.SCOT77 345  -N.SCOT1  115* 1   187.7    -7.9  0.9991   1.0076   1.0543/0.8623
N.SCOT99 345  -N.SCOT1  115* 1   190.6    -7.7  0.9992   1.0076   1.0540/0.8620
REYNLD3  345  -REY. RD. 115* 1   233.4    66.5  0.9617   0.9800   1.0540/0.8620
ROTRDM.2 230  -RTRDM1   115* 1   223.5    39.8  0.9845   0.9703   1.0063/0.8145
ROTRDM.2 230  -RTRDM1   115* 1   212.0    -2.9  0.9999   0.9878   1.0500/0.8500
ROTRDM.2 230  -RTRDM1   115* 1   173.1    30.5  0.9849   0.9704   1.0063/0.8146
WHAV345  345  -WHAV138  138* 1   307.7   227.1  0.8046*  0.9000*  1.0250/0.9000
SMAHWAH1 345  -SMAH138  138* 1   188.3    26.6  0.9901   0.9600   1.0200/0.9000
N.M.TAP  345  -SHOEMTAP 138* 1   376.1   104.9  0.9632   0.9510*  1.2500/0.9510
MARCY765 765  -MARCY T1 345* 1   715.5   -90.2  0.9921   1.0000   1.0606/0.8240
MARCY765 765  -MARCY T1 345* 1   623.7   -68.5  0.9940   1.0000   1.1183/0.8687
MASS 765 765  -MASS230A 230  1   -75.2    26.5 -0.9434*  0.9665   1.5000/0.5100
MASS 765 765  -MASS230B 230  1   -75.2    26.5 -0.9434*  0.9665   1.5000/0.5100
NIAG 345 345* -NIAGAR2E 230  1  -157.3    33.2 -0.9784   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2E 230  1  -157.3    33.2 -0.9784   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2W 230  1  -312.8    66.0 -0.9785   0.9900   1.0400/0.9650
MOSES W  230  -MOS 115  115  1   -21.1     4.6 -0.9774   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -20.8     4.5 -0.9775   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1    -8.1     1.8 -0.9759   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -20.9     4.5 -0.9775   0.9790   1.5000/0.5100
NIAGAR2W 230  -NIAG115E 115  1     2.7   -19.6  0.1377*  1.0000   1.5000/0.5100
NIAGAR2W 230  -NIAG115W 115  1   -82.6    39.5 -0.9022*  1.0283   1.5000/0.5100
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PLAT T#1	230	-PLAT 115	115*	1	-2.1	-33.2	-0.0617*	0.9730*	1.1314/0.9730
PLAT T#4	230	-PLAT 115	115*	1	7.8	75.1	0.1030*	1.0607	1.1314/0.9730
WILLIS E	230	-WILL 115	115*	1	28.5	15.5	0.8789*	1.0297	1.1314/0.9730
WILLIS W	230	-WILL 115	115*	1	28.5	15.5	0.8788*	1.0297	1.1314/0.9730
ROCH	345	345 -S80 1TR	115*	1	132.9	-5.3	0.9992	1.0251	1.1001/0.9500
ROCH	345	345 -S80 2TR	115*	1	174.2	-23.4	0.9911	0.9692	1.0500/0.9500
ROCH	345	345 -S80 3TR	115*	1	132.5	-5.2	0.9992	1.0251	1.1001/0.9500
PANNELL3	345	-PANNELLI	115*	1	102.2	-11.2	0.9940	1.0187	1.0750/0.9250
PANNELL3	345	-PANNELLI	115*	1	102.2	-11.2	0.9940	1.0187	1.0750/0.9250

TRANSMISSION LINE FLOW REPORT

LINE			RATEA	RATEB	RATEC	MVA	MW	MVAR FROM	MVAR TO	MVAR NET
CHA-NY	765	-MASS 765 765	3975.	3975.	5300.	1230.	1200.	-271.	97.	-175.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1392.	1348.	-350.	-47.	-397.
NORHR138	138	-NRTHPT P 138	466.	577.	1577.	111.	100.	-48.	-44.	-91.
HOMER CY	345	-WATRC345 345	755.	927.	0.	395.	392.	46.	8.	54.
BRANCHBG	500	-RAMAPO 5 500	1048.	1373.	0.	648.	445.	471.	-502.	-31.
STLAWR33	220	-STLAWL33 230	300.	498.	0.	4.	0.	-4.	5.	1.
STLAWR34	230	-STLAWL34 230	300.	498.	0.	3.	0.	3.	-2.	0.
OAKDL345	345	-FRASR345 345	1255.	1380.	1380.	687.	684.	-61.	138.	77.
CLAY	345	-EDIC 345	1033.	1285.	1434.	637.	636.	29.	30.	60.
CLAY	345	-EDIC 345	1033.	1285.	1434.	639.	638.	29.	31.	60.
VOLNEY	345	-MARCY T1 345	1434.	1792.	1912.	793.	786.	109.	0.	110.
JA FITZP	345	-EDIC 345	1434.	1434.	1912.	788.	782.	98.	36.	134.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1392.	1348.	-350.	-47.	-397.
MOSES W	230	-ADRON B1 230	348.	359.	440.	151.	151.	1.	2.	3.
MOSES W	230	-ADRON B2 230	348.	386.	440.	151.	151.	1.	2.	3.
EDIC	345	-N.SCOT77 345	1331.	1528.	1724.	966.	964.	68.	242.	310.
PORTER 2	230	-ROTRDM.2 230	440.	505.	560.	281.	281.	-5.	74.	68.
PORTER 2	230	-ROTRDM.2 230	439.	505.	560.	289.	289.	-6.	76.	70.
MARCY T1	345	-N.SCOT99 345	1487.	1792.	1792.	1061.	1053.	133.	208.	341.
CTNY398	345	-PLTVLLEY 345	1195.	1386.	1685.	379.	-259.	277.	-270.	7.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
COOPC345	345	-N.M.TAP 345	1464.	1793.	1793.	854.	841.	148.	-43.	105.
LEEDS 3	345	-HURLEY 3 345	1395.	1623.	1870.	818.	794.	199.	-128.	71.
LEEDS 3	345	-PLTVLLEY 345	1331.	1538.	1724.	1225.	1180.	330.	-60.	270.
ATHENS	345	-PLTVLLEY 345	1331.	1538.	1724.	1180.	1138.	316.	-61.	255.
SPRBROOK	345	-REACM51 345	774.	866.	1291.	440.	435.	-63.	140.	76.
SPRBROOK	345	-REACM52 345	774.	866.	1291.	440.	435.	-63.	140.	76.
REACM51	345	-W 49 ST 345	774.	866.	1291.	457.	435.	-140.	-145.	-284.
REACM52	345	-W 49 ST 345	774.	866.	1291.	457.	435.	-140.	-145.	-284.
DUNWODIE	345	-REAC71 345	715.	817.	1081.	421.	411.	-88.	158.	70.
DUNWODIE	345	-REAC72 345	715.	817.	1081.	421.	411.	-88.	158.	70.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
REAC71	345	-S. BRONX 345	715.	817.	1081.	440.	411.	-158.	-7.	-165.
REAC72	345	-S. BRONX 345	715.	817.	1081.	440.	411.	-158.	-7.	-165.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	265.	264.	19.	-85.	-66.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	265.	264.	19.	-85.	-66.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
SPRBROOK	345	-REACBUS 345	1243.	1386.	1530.	667.	642.	-183.	183.	0.
DUNWODIE	345	-SHORE RD 345	687.	962.	1512.	515.	505.	-100.	-170.	-269.

PAR FLOW AND ANGLE REPORT

PAR			MW	MVAR	ANGLE	ANGLE RANGE
LINDEN	230	-LIN SHF 230	200.0	-136.8	-6.0	25.0/-25.0
WALDWICK	230	-FAIRL SH 230	300.4	356.2	-30.6	35.0/-35.0
WALDWICK	230	-HAWTH SH 230	310.9	-26.3	-29.1	30.0/-30.0
WALDWICK	230	-HILLS SH 230	330.7	-75.4	-29.6	32.0/-32.0
STLAWR33	220	-STLAWL33 230	-0.1	-3.9	8.7	40.0/-40.0
STLAWR34	230	-STLAWL34 230	0.2	2.6	8.6	40.0/-40.0
FARRAGUT	345	-FARRGUT1 345	-400.5	-109.2	29.5	30.0/-30.0
FARRAGUT	345	-FARRGUT2 345	-398.9	-106.9	30.0*	30.0/-30.0
GOTHLS N	345	-GOTHLS R 345	-221.3	133.3	-25.0*	25.0/-25.0
RAM PAR	345	-RAMAPO 345	220.7	234.3	23.0	40.0/-40.0
RAM PAR	345	-RAMAPO 345	220.7	234.3	23.0	40.0/-40.0
CORONA-S	138	-CORONA1R 138	25.1	-2.2	24.6	25.0/-25.0
DUN NO	138	-DUN NO1R 138	64.9	17.2	-18.4	20.0/-20.0
DUN NO	138	-DUN NO2R 138	64.9	17.6	-18.4	20.0/-20.0
DUN SO	138	-DUN SO1R 138	65.0	12.1	-20.5	25.0/-25.0
DUN SO	138	-DUN SO1R 138	65.0	12.1	-20.5	25.0/-25.0

CORONA-N 138 -CORONA2R 138	25.1	15.3	24.7	25.0/-25.0
FRKILLR2 138 -FR-KILLS 138	214.8	-40.1	-3.3	25.0/-25.0
FRKILLSR 138 -FR-KILLS 138	214.7	-28.1	-3.9	25.0/-25.0
GOWNUS1T 138 -GOWNUS1R 138	99.9	-23.7	-0.3	25.0/-25.0
GOWNUS2T 138 -GOWNUS2R 138	100.1	-25.1	-0.1	25.0/-25.0
ASTE-PAR 138 -ASTE-WRG 138	-220.1	-3.8	8.7	25.0/-25.0
PARK TR1 138 -PARK1REG 138	180.2	64.7	-21.7	25.0/-25.0
PARK TR2 138 -PARK2REG 138	180.2	64.2	-21.8	25.0/-25.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
EGC PAR 345 -E.G.C.-1 345	318.3	50.4	9.2	25.0/-25.0
EGC PAR 345 -E.G.C.-2 345	318.4	50.6	9.3	25.0/-25.0
L SUCSPH 138 -L SUCS 138	-148.3	31.8	-3.8	25.0/-25.0
NRTHPT P 138 -NRTHPT1 138	99.6	43.6	-5.5	50.0/-50.0
V STRM P 138 -VLY STRM 138	-142.2	53.7	-2.7	25.0/-25.0
INGMS-CD 115 -INGHAM-E 115	119.0	-7.2	13.5	20.0/-20.0
PLAT 115 115 -PLAT T#3 115	0.0	0.0	19.4	40.0/-40.0

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
COAL CR4 230 ->DICKNSN3 345*	1	1 -505.1	310.3
COAL CR4 230 ->DICKNSN3 345*	2	1 -505.1	310.3
SQBUTTE4 230* ->ARROWHD4 230	3	2 220.5	135.7
SQBUTTE4 230* ->ARROWHD4 230	4	2 220.5	135.7
RADSNDC6 138* ->DC5 JCT4 230	5	1 819.5	488.5
RADSNDC6 138* ->DC6 JCT4 230	6	1 819.5	488.9
HENDAY 4 230* ->DORSEY 4 230	7	1 931.0	579.3
HENDAY 4 230* ->DORSEY 4 230	8	1 931.0	579.3
MI CTYW4 230 ->MI CTYE4 230*	9	1 -32.0	65.6
SIDNEYW4 230 ->SIDNEY 4 230*	10	0 0.0	0.0
CHAT G 315 ->CHAT G3 120*	11	1 -383.7	248.3
CHAT G2 315 ->CHAT G4 120*	12	1 -383.7	248.3
HIGHGT 120 ->HIGHGATE 115*	13	1 -167.0	87.2
MADAWA 315 ->MADAWANB 345*	14	0 0.0	0.0
EEL34A 34.5 ->EELDC2NB34.5*	15	0 0.0	0.0
EEL34B 34.5 ->EELDC1NB34.5*	16	0 0.0	0.0
RAD3152 315 ->NIC230 230*	17	0 0.0	0.0
RAD3152 315 ->NIC230 230*	18	0 0.0	0.0
RAD3152 315 ->SANDY PD 345*	19	1 -750.0	372.8
RAD3152 315 ->SANDY PD 345*	20	1 -750.0	372.8
CHAT G3 120* ->CHAT G 315	21	0 0.0	0.0
CHAT G4 120* ->CHAT G2 315	22	0 0.0	0.0
MADAWANB 345 ->MADAWA 315*	24	0 0.0	0.0
EELDC2NB34.5 ->EEL34A 34.5*	25	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	27	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	28	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	37	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	38	0 0.0	0.0

LBMP ZONE REPORT

	ZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR	GEN MW	MVAR	INT MW	MVAR
1	WEST	2538.	1058.	0.9229	87.	1231.	4826.	1186.	2200.	-226.
2	GENESEE	1741.	551.	0.9534	62.	467.	614.	-4.	-1188.	221.
3	CENTRAL	2811.	1250.	0.9137	174.	2298.	5626.	1435.	2640.	-532.
4	NORTH	678.	246.	0.9400	17.	264.	1208.	67.	513.	-74.
5	MOHAWK	1080.	373.	0.9451	204.	2613.	654.	342.	-630.	202.
6	CAPITAL	2253.	870.	0.9329	95.	1054.	2536.	1489.	189.	1343.
7	HUDSON	2739.	840.	0.9560	149.	2211.	3016.	1504.	128.	-543.
8	MILLWOOD	835.	282.	0.9473	52.	1246.	2264.	811.	1377.	-66.
9	DUNWOODI	1669.	779.	0.9063	44.	1326.	3.	0.	-1710.	-329.
10	NYC	12265.	5808.	0.9038	167.	5555.	8812.	4904.	-3620.	-641.
11	L ISLAND	5895.	2080.	0.9430	98.	1409.	4053.	1206.	-1940.	375.
	TOTALS	34505.	14138.		1147.	19674.	33612.	12938.	-2041.	-269.

LBMP SUBZONE REPORT

LBMP SUBZONE NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
NMPC WES	1	1595.3	679.8	0.9200	63.3	806.1
NMPC CEN	2	1604.3	709.4	0.9146	90.9	1441.5
NMPC MVN	3	753.4	217.1	0.9609	197.2	2576.4
NMPC EAS	4	2126.9	815.0	0.9338	90.3	1032.5

NYSEG WE	5	506.0	239.7	0.9037	20.4	258.2
NYSEG CE	6	1131.1	504.4	0.9133	82.8	857.1
NYSEG EA	7	261.6	125.6	0.9014	7.2	36.4
NYSEG HU	8	18.1	7.4	0.9262	0.0	0.0
RG&E	9	1439.4	454.5	0.9536	30.1	355.8
CENT HUD	10	1439.8	401.7	0.9632	105.9	1374.0
O&R	11	1281.1	431.0	0.9478	26.1	302.4
LIPA	12	5869.5	2068.1	0.9432	98.4	1386.8
NYPA WES	13	436.7	139.0	0.9529	3.6	166.6
NYPA NOR	14	509.9	186.7	0.9390	5.6	123.3
CON ED C	15	12265.1	5807.6	0.9038	166.5	5545.8
NYPA B	16	37.5	18.2	0.9000	0.7	1.6
NYPA C	17	75.6	36.6	0.9000	0.0	0.0
NYPA E	18	60.3	29.1	0.9009	0.0	0.0
NYSEG NO	19	100.5	42.8	0.9201	2.4	32.9
NYPA F	20	21.5	10.4	0.8999	0.0	0.2
NYSEG ME	21	104.6	44.6	0.9200	4.4	20.9
NYPA H	22	36.0	21.3	0.8609	3.8	181.7
CON ED N	23	449.5	154.8	0.9455	39.0	954.3
NYPA I	24	0.0	0.0		0.0	0.0
CON ED C	25	1669.4	778.7	0.9063	42.4	1322.3
NYPA J	26	0.0	0.0		0.0	9.3
NYPA K	27	25.5	11.4	0.9128	0.6	26.5
NYPA G	28	0.0	0.0		0.0	0.0
NMPC GNS	29	264.1	78.5	0.9586	30.8	108.7
NYSEG BR	30	349.6	106.4	0.9567	9.2	110.0
NMPC NTH	31	67.6	16.6	0.9710	8.8	107.5
CE UPNY	32	0.0	0.0		16.6	534.9
CENT H C	33	4.7	1.7	0.9396	0.0	0.0
	34	0.0	0.0		0.0	0.0

SUBSYSTEM LOAD & LOSS MW 34504.5 1146.8

OWNER REPORT

OWNER NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
CENT HUD	1	1444.4	403.5	0.9631	44.4	596.3
CONED	2	14383.9	6741.0	0.9055	256.1	8005.5
LIPA	3	5895.0	2079.5	0.9430	95.2	1418.5
NYSEG	4	2413.5	1042.7	0.9180	134.7	1586.6
NIMO	5	6196.4	2404.5	0.9323	378.7	4015.0
O&R	6	1281.1	431.0	0.9478	28.6	543.4
NYPA	7	1450.7	581.1	0.9283	180.8	3264.7
RGE	8	1439.4	454.5	0.9536	29.4	343.0

SUBSYSTEM LOAD & LOSS MW 34504.5 1148.1

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CASE :CEII 2005 FERC FORM NO. 715, 2014 SUM BASE V5
      2005 SUMMER PEAK, LEVEL 5 (04/01/05)
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STATION VOLTAGES

BOWLINE1 345 = 319.2*	BOWLINE2 345 = 320.6*	BUCH S 345 = 313.4*
CLAY 345 = 358.0	COOPC345 345 = 331.3*	DUNWODIE 345 = 308.8*
EDIC 345 = 352.4	FARRAGUT 345 = 319.4*	FRASR345 345 = 357.2
GRDNVL2 230 = 228.7	GILB 345 345 = 358.1	GOTHLS N 345 = 348.8
GOWANUSN 345 = 345.2	LADENTWN 345 = 318.0*	LEEDS 3 345 = 345.5
MARCY T1 345 = 352.5	MILLWOOD 345 = 310.4*	N.SCOT77 345 = 351.1
N.SCOT99 345 = 351.1	NIAGAR2E 230 = 234.6	NIAGAR2W 230 = 234.6
NIAG 345 345 = 357.0	NRTHPRT1 138 = 142.2	OAKDL345 345 = 353.8
PANNELL3 345 = 357.9	PLTVLLEY 345 = 321.3*	RAINEY 345 = 321.5*
RAMAPO 345 = 317.1*	RAMAPO 5 500 = 458.8*	ROCK TAV 345 = 321.8*
ROSETON 345 = 325.6*	KINTI345 345 = 358.8	SPRBROOK 345 = 308.8*
ROCH 345 345 = 357.1	MOSES W 230 = 237.0	WATRC230 230 = 232.9
CHA-NY 765 = 760.5	MARCY765 765 = 776.8	MASS 765 765 = 766.4
FISHKILL 345 = 321.1*	HURLEY 3 345 = 332.5	SHORE RD 345 = 307.5*
VOLNEY 345 = 361.1	WATRC345 345 = 343.0	DUNKIRK 230 = 239.2
MEYER230 230 = 227.7	OAKDL230 230 = 224.7	ROTRDM.2 230 = 226.3
CHANY2 120 = 123.9	CHANY1 120 = 123.9	ALB3 115 = 119.0
BATH 115 115 = 116.5	BORDR115 115 = 115.7	CLAY 115 = 113.6
DELHI115 115 = 118.4	E.NOR115 115 = 118.2	FALCONER 115 = 115.6
GOUDY115 115 = 112.8	MEYER115 115 = 116.6	MOS 115 115 = 120.9*
NIAG115E 115 = 118.4	NIAG115W 115 = 118.4	N.WAV115 115 = 114.8
OAKDL115 115 = 112.4	PLAT T#3 115 = 118.7	PL.VAL 1 115 = 112.1
PORTER 1 115 = 119.1	ROCK TV1 115 = 115.8	RTRDM1 115 = 115.0
SHENANDO 115 = 110.4	S82-1115 115 = 117.1	

GENERATOR/SVC QUANTITIES

GENERATOR	MW	PMAX	PMIN	MVAR	QMAX	QMIN	VSCHED	VTBUS
GILBOA#117.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0254
GILBOA#217.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0252
GILBOA#317.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0252
GILBOA#417.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9894
9M PT 1G23.0	626.0	626.0	300.0	108.4	340.0	0.0	1.0500	1.0237
9M PT 2G25.0	1212.0	1212.0	700.0	200.2	360.0	50.0	1.0500	0.9965
OSWGO 5G22.0	772.9	881.0	250.0	314.3	340.0	-240.0	1.0500	1.0173
OSWGO 6G22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9894
JAFITZ1G24.0	848.8	848.8	230.0	214.7	375.0	-300.0	1.0500	0.9966
SITH-G1 18.0	115.0	170.0	0.0	24.4	126.9	-80.0	1.0500	0.9863
SITH-G2 18.0	115.0	170.0	0.0	24.4	126.9	-80.0	1.0500	0.9863
SITH-G3 18.0	115.0	170.0	0.0	24.4	126.9	-80.0	1.0500	0.9863
SITH-G4 18.0	115.0	170.0	0.0	24.4	126.9	-80.0	1.0500	0.9863
SITH-S5 18.0	160.0	220.6	0.0	24.4	104.7	-75.0	1.0500	0.9820
SITH-S6 18.0	160.0	220.6	0.0	24.4	104.7	-75.0	1.0500	0.9820
ROSE GN124.0	649.1*	610.0	150.0	310.0	310.0	-106.0	1.0300	0.9586
ROSE GN224.0	610.0	610.0	150.0	190.0	190.0	-57.0	1.0300	0.9317
BOW1 20.0	592.0	592.0	150.0	384.0	384.0	-100.0	1.0300	0.9734
BOW2 20.0	592.0	592.0	150.0	380.0	380.0	-100.0	1.0300	0.9764
IND PT 222.0	1146.7*	1078.0	314.0	550.0	550.0	-300.0	1.0400	0.9367
IP#3 GEN22.0	1080.0	1080.0	314.0	225.0	225.0	-100.0	1.0300	0.8792
RAV 3 22.0	972.0	972.0	386.0	792.4	792.4	-265.7	1.0400	0.9601
	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0000
KINTIG2424.0	512.2	709.0	197.0	48.3	275.0	-100.0	1.0400	1.0209
GINNA 1919.0	510.7	610.1	50.0	-24.5	261.4	-139.9	1.0522	1.0222
NIAG. 8 13.8	200.0	215.0	0.0	11.6	69.8	-28.0	1.0200	0.9872
NIAG. 1113.8	200.0	215.0	0.0	11.6	69.8	-28.0	1.0200	0.9860
MOS17-1813.8	92.8	114.0	0.0	9.7	44.0	-36.0	1.0200	1.0200
MOS29-3013.8	114.0	114.0	0.0	17.6	44.0	-36.0	1.0200	1.0200
DUNKGEN313.8	197.0	197.0	50.0	76.9	120.0	0.0	1.0400	0.9810
DUNKGEN413.8	191.0	191.0	50.0	76.9	120.0	0.0	1.0400	0.9813
HNTLY67G13.8	191.4	191.4	50.0	100.0	100.0	0.0	1.0260	0.9896
HNTLY68G13.8	190.6	190.6	50.0	100.0	100.0	0.0	1.0260	0.9902
FRASVC1818.2	0.0	0.0	0.0	313.3	325.0	-300.0	1.0355	1.1799
LEEDS 3 345	0.0	0.0	0.0	270.0	270.0	-300.0	1.0255	1.0016
USTATCOM 345	0.0*	0.0	0.0	160.6	204.4	-204.4	0.0000	1.0219
CHAT G3 120	0.0	0.0	0.0	-84.8	166.2	-99.1	1.0250	1.0250
CHAT G4 120	0.0	0.0	0.0	-84.8	83.1	-99.1	1.0250	1.0250

GENERATOR COMPLEX REPORT

GEN COMPLEX	ON OFF	MW	SPRES	PMAX	PMIN	MVAR	REMVAR	QMAX	QMIN

AREA-1-FRONTIER	62	8	4781.	412.	5924.	662.	1142.	899.	2338.	-869.
AREA-2-GENESSEE	5	12	583.	99.	824.	78.	-22.	315.	351.	-173.
AREA-3-SYRACUSE	62	4	5429.	521.	7000.	1971.	1361.	1386.	3105.	-1365.
AREA-4-ADIRONDK	52	2	1195.	29.	1305.	234.	55.	819.	899.	-456.
AREA-5-UTICA	128	9	624.	111.	952.	0.	341.	254.	672.	-587.
AREA-6-CAPITAL	77	13	2701.	559.	4135.	45.	1577.	211.	2141.	-1431.
AREA-7-MIDHUDSN	27	11	3052.	-32.	3539.	968.	1506.	7.	1850.	-590.
AREA-8-MILLWOOD	5	0	2283.*	-69.	2215.	628.	811.	0.	811.	-424.
AREA-9-SPR	1	0	3.	0.	3.	0.	0.	0.	0.	0.
AREA-10-NYC_ZON	85	8	8846.	-47.	9350.	2717.	4949.	1420.	6777.	-3743.
AREA-11-L-ISLAN	71	19	4293.	509.	5526.	1000.	1143.	591.	1877.	-1568.
AREA-31-PSEG	64	20	7446.	312.	9988.	5560.	2201.	1208.	4568.	-2007.
OSWEGO-GENERATI	10	1	4240.	449.	5570.	1680.	984.	1148.	2462.	-1230.
NIAGARA-GENERAT	24	1	2700.	180.	3095.	0.	452.	502.	1025.	-539.
ST.LAWRENCE-GEN	18	0	891.	21.	912.	0.	50.	602.	652.	-348.
GILBOA-GENERATI	3	1	750.	0.	1000.	0.	270.	0.	360.	-120.
HUNTLEY-GENERAT	4	4	382.	0.	722.	185.	200.	0.	375.	0.
DUNKIRK-GENERAT	6	0	558.	0.	558.	140.	234.	106.	340.	0.
ROSETON-GENERAT	2	0	1259.*	-39.	1220.	300.	500.	0.	500.	-163.
BETHLEHEM-GENER	4	0	420.	370.	790.	45.	451.	109.	560.	-290.
ATHENS-GENERATI	5	1	680.	150.	1080.	0.	380.	0.	495.	-495.
COGENTECH-GENER	8	0	645.	0.	645.	0.	213.	187.	400.	-160.
SCSASTORIA-GENE	3	0	435.	165.	600.	120.	251.	107.	358.	-217.
POLEXPANS-GENER	3	0	638.	0.	638.	0.	350.	4.	354.	-354.
DANSKAM-GENERAT	2	0	379.	0.	379.	150.	138.	0.	138.	-48.
HOMER-CITY-GENE	3	0	1884.	0.	1884.	900.	343.	605.	948.	-393.
NORTHFIELD-GENE	3	1	750.	60.	1080.	-1000.	208.	32.	320.	-160.
BRUCE-GENERATIO	6	2	4460.	356.	6272.	0.	1548.	1182.	3380.	-2540.

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1968.7	-149.0	DYSINGER-EAST-(C)	2928.3	602.4
WEST-CENTRAL	750.8	18.1	WEST-CENTRAL-(C)	1710.5	769.6
VOLNEY-EAST	3577.4	-153.9	VOLNEY-EAST-(C)	4224.8	476.7
MOSES-SOUTH	1583.4	-344.5	MOSES-SOUTH-(C)	1697.7	-355.3
CENTRAL-EAST	2684.6	-562.9	TOTAL-EAST	5298.7	91.1
UPNY-SENY	5176.0	1835.6	UPNY-SENY-(C)	5803.4	1917.7
UPNY-CONED	3760.3	795.2	UPNY-CONED-(C)	5890.2	1202.0
MILLWOOD-SOUTH	6606.1	889.2	LIPA-IMPORT	1798.6	-32.4
DUNWOODIE-SOUTH	3391.8	-499.1	DUNWOODIE-SOUTH-(C)	5521.7	-92.3
CONED-CABLE-INT-(C)	3723.1	-59.9	A-B-C-J-K-PAR-IMBAL	29.3	308.4
NIAGARA-TIE	-49.3	63.3	CEDARS-IMPORT	0.0	5.0
PJM-NY	761.3	703.4	NE-NY	173.3	396.2
ON-NY	-46.6	67.1	ONTARIO-MICHIGAN	46.6	24.4
CONED-345	1771.1	-550.8	CONED-138	905.1	41.5
Y49-Y50	1003.0	18.7	138-POCKET	1039.6	169.2
AST-POCKET	667.7	285.8	GRNWD-POCKET	788.3	-17.1
STAT-POCKET	356.8	-53.3	E13-POCKET	1047.3	521.2
W49-POCKET	2336.0	563.4	EVIEW-POCKET	831.6	242.1
DUNSO-POCKET	182.3	138.5	DUNNO-POCKET	127.6	-54.9
ON-MAN-MIN	-0.4	-42.7	VOLT-TE#3	4387.3	-196.8
EAST OF HOLBROOK	397.1	-12.3	NEWBRIDGE EAST	-304.3	-171.9
AR-3-BULK-XFMRS	1551.9	189.0	AR-4-BULK-XFMRS	-176.6	135.1
AR-5-BULK-XFMRS	2081.4	-9.5	AR-6-BULK-XFMRS	1204.8	106.8
AR-7-BULK-XFMRS	1871.4	966.2	AR-8-BULK-XFMRS	615.4	247.9
AR-3-4-5-6-7-8X	7148.3	1635.5	CONED-CABLE-INT	2676.2	-509.2

SHUNT REPORT

SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT
MARCY T1 345	418.	400.	OAKDL345 345	0.	135.	N.SCOT77 345	280.	270.
N.SCOT99 345	140.	135.	LEEDS 3 345	271.	270.	EDIC 345	209.	200.
MOS 115 115	75.	68.	PORTER 1 115	61.	57.	MARCY765 765	-206.	-200.
MASS 765 765	-201.	-400.	FRASR345 345	300.	280.	COOPC345 345	258.	280.
ROCK TAV 345	235.	270.	FISHKILL 345	234.	270.	GILB 345 345	145.	135.
ROTRDM.2 230	163.	169.	ROCH 345 345	0.	135.	CLAY 115	49.	50.
MOS 115 115	75.	68.	DUNWODIE 345	0.	-150.	FARRGUT1 345	-57.	-60.
FARRGUT2 345	-57.	-60.	GOTHLS N 345	0.	-150.	GOTHLS S 345	-154.	-150.
GOWANUSN 345	-150.	-150.	GOWANUSS 345	0.	-150.	PL VILLE 345	0.	-20.
PL VILLW 345	0.	-20.	RAINEY 345	0.	-300.	SPRBROOK 345	0.	0.
REACBUS 345	-120.	-300.	EASTVIEW 138	0.	0.	E179 ST 138	0.	-150.
GRENWOOD 138	0.	-150.	REACM51 345	0.	-300.	REACM52 345	0.	-300.

GOETH 1313.6 -62. -140. SHORE RD 345 -119. -150. HMP HRBR 345 -120. -150.
EGC DUM 345 0. 0.

TRANSFORMER FLOW REPORT

TRANSFORMER		CNTL	MW	MVAR	PF	TAP	TAP RANGE
HURLEY 3 345	-HURLEY 1 115*	1	277.2	65.0	0.9736	1.0668	1.1607/0.9497
ROCK TAV 345	-ROCK TV1 115*	1	178.6	111.1	0.8492*	1.1422	1.1831/0.9647
ROCK TAV 345	-ROCK TV1 115*	1	178.6	111.1	0.8492*	1.1422	1.1831/0.9647
FISHKILL 345	-E FISH I 115*	1	135.7	5.8	0.9991	0.9647*	1.1830/0.9647
PLTVLLEY 345	-PL.VAL 1 115*	1	100.2	92.0	0.7363*	0.9141*	1.1173/0.9141
RAMAPO 5 500	-RAM PAR 345*	1	443.9	518.8	0.6502*	0.9000*	1.1000/0.9000
BOWLINE2 345	-BOW138 138*	1	241.1	22.2	0.9958	1.0250*	1.0250/0.9000
		0	0.0	0.0	1.0000	0.0000*	0.0000/0.0000
BUCH N 345	-BUCHNTA5 138*	1	156.1	23.2	0.9892	0.9114	1.1040/0.8670
DUNWODIE 345	-DUN NO 138*	1	272.6	79.6	0.9599	0.8814	1.1041/0.8670
DUNWODIE 345	-DUN SO 138*	1	297.2	156.6	0.8847*	0.8670*	1.1041/0.8670
E VIEW1 345	-EASTVIEW 138*	1	214.2	89.0	0.9234*	0.8744	1.1041/0.8670
E VIEW2 345	-EASTVIEW 138*	1	206.7	71.8	0.9447*	0.8744	1.1041/0.8670
E VIEW3 345	-EASTVIEW 138*	1	205.9	71.4	0.9448*	0.8744	1.1041/0.8670
E VIEW4 345	-EASTVIEW 138*	1	205.9	71.4	0.9448*	0.8744	1.1041/0.8670
E15ST 45 345	-E13 ST 138*	1	174.0	93.9	0.8801*	0.8812	1.1041/0.8670
E15ST 45 345	-T14MPT 138	1	144.9	78.3	0.8796*	1.0000	1.5000/0.5100
E15ST 46 345	-E13 ST 138*	1	167.4	91.1	0.8783*	0.8812	1.1041/0.8670
E15ST 46 345	-T13MPT 138	1	150.3	81.4	0.8792*	1.0000	1.5000/0.5100
E15ST 47 345	-E13 ST 138*	1	175.0	97.1	0.8745*	0.8812	1.1041/0.8670
E15ST 47 345	-E RIVER 69.0*	1	-102.7	-27.1	-0.9669	0.9408	1.0870/0.8540
E15ST 48 345	-E13 ST 138*	1	176.2	96.4	0.8773*	0.8812	1.1041/0.8670
E15ST 48 345	-T11MPT 138	1	163.8	90.1	0.8762*	1.0000	1.5000/0.5100
FARRAGUT 345	-F/S38M11 138*	1	106.0	69.5	0.8365*	0.8821	1.1040/0.8670
FARRAGUT 345	-F/S38M12 138*	1	106.1	69.1	0.8379*	0.8818	1.1040/0.8670
FARRAGUT 345	-F/S38M13 138*	1	26.0	-7.3	0.9625	0.9197	1.1040/0.8670
FARRAGUT 345	-F/S38M14 138*	1	105.3	63.3	0.8573*	0.8892	1.1040/0.8670
FARRAGUT 345	-FGT/BRT1 138*	1	187.0	64.5	0.9453*	0.8893	1.1040/0.8670
FARRAGUT 345	-FGT/BRT2 138*	1	186.2	63.6	0.9463*	0.8893	1.1040/0.8670
FARRAGUT 345	-FGT/BRT3 138*	1	186.4	63.8	0.9461*	0.8893	1.1040/0.8670
FARRAGUT 345	-FGT/BRT4 138*	1	186.8	64.2	0.9457*	0.8893	1.1040/0.8670
FARRAGUT 345	-FGT/HAT1 138*	1	92.9	42.0	0.9111*	0.8967	1.1040/0.8670
FARRAGUT 345	-FGT/HAT2 138*	1	95.6	52.3	0.8773*	0.8744	1.1040/0.8670
FARRAGUT 345	-FGT/HAT3 138*	1	60.7	24.3	0.9285*	0.8939	1.1040/0.8670
FARRAGUT 345	-FGT/HAT4 138*	1	59.9	21.1	0.9433*	0.9001	1.1040/0.8670
FARRAGUT 345	-FGT/HAT5 138*	1	60.3	24.2	0.9280*	0.8940	1.1040/0.8670
FARRAGUT 345	-FGT/HAT6 138*	1	96.0	52.8	0.8764*	0.8758	1.1040/0.8670
FARRAGUT 345	-FGT/HAT7 138*	1	94.7	49.6	0.8860*	0.8816	1.1040/0.8670
FARRAGUT 345	-HAE TR1 138*	1	-71.7	4.0	-0.9984	0.9255	1.1041/0.8670
FARRAGUT 345	-HAE TR3 138*	1	-71.7	4.0	-0.9984	0.9255	1.1041/0.8670
FGT-HUD9 345	-F/S38M15 138*	1	94.6	62.8	0.8330*	0.8893	1.1041/0.8670
FGT-HUD9 345	-HAE TR2 138*	1	-70.4	13.6	-0.9819	0.9167	1.1041/0.8670
FR KILLS 345	-FRKILLR2 138*	1	215.6	-22.3	0.9947	1.0224	1.0884/0.8900
FR KILLS 345	-FRKILLSR 138*	1	215.5	-18.2	0.9965	1.0224	1.0884/0.8900
GOTHLS R 345	-GOETH T 230*	1	-231.4	123.7	-0.8819*	0.9732	1.0879/0.9540
GOWANUSN 345	-GOWNUS1T 138*	1	99.9	-17.2	0.9855	1.0069	1.1041/0.8670
GOWANUSS 345	-GOWNUS2T 138*	1	99.9	-17.8	0.9845	1.0146	1.1041/0.8670
MILLWOOD 345	-MLWD TA 138*	1	98.2	38.0	0.9327*	0.8818	1.1040/0.8670
MILLWOOD 345	-MLWD TA 138*	1	95.7	37.1	0.9323*	0.8818	1.1040/0.8670
PL VILLE 345	-PLTVILLE13.6*	1	47.1	8.5	0.9840	1.1721	1.2186/0.9706
PL VILLW 345	-PLTVILLE13.6*	1	44.7	13.8	0.9559	1.2105	1.2353/0.9706
RAINEY 345	-RAINEY3W 138*	1	136.6	63.4	0.9070*	0.9111	1.1040/0.8670
RAINEY 345	-2E DUM 138*	1	147.6	53.9	0.9395*	0.8982	1.0875/0.8545
RAINEY 345	-7E DUM 138*	1	120.5	48.7	0.9272*	0.9200	1.0875/0.8545
RAINEY 345	-7W DUM 138*	1	138.4	89.4	0.8401*	0.8909	1.0875/0.8545
RAINEY 345	-8E DUM 138*	1	-256.2	-33.8	-0.9914	0.9127	1.0875/0.8545
RAINEY 345	-8W DUM 138*	1	-188.3	-16.6	-0.9962	0.9273	1.0875/0.8545
RAINEY 345	-9E DUM 138*	1	14.6	-20.6	0.5796*	0.9407	1.1040/0.8670
RAMAPO 345	-RAMP138 138*	1	222.3	178.5	0.7797*	0.9000*	1.1000/0.9000
RAMAPO 345	-RAMP138 138*	1	222.3	178.5	0.7797*	0.9000*	1.1000/0.9000
SPRBROOK 345	-DUN NO T 138*	1	236.5	109.9	0.9069*	0.8670*	1.1041/0.8670
SPRBROOK 345	-DUN SO T 138*	1	255.6	133.3	0.8867*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR1 138*	1	178.2	66.3	0.9372*	0.8670*	1.1041/0.8670
TREMONT 345	-PARK TR2 138*	1	180.2	66.2	0.9386*	0.8670*	1.1041/0.8670
W 49 ST 345	-W49 ST 1 138*	1	255.9	143.6	0.8722*	0.8770	1.1040/0.8670
W 49 ST 345	-W49 ST 2 138*	1	178.3	90.2	0.8922*	0.8897	1.1040/0.8670
W 49 ST 345	-W49 ST 3 138*	1	257.8	151.3	0.8625*	0.8749	1.1040/0.8670
W 49 ST 345	-W49 ST 4 138*	1	295.5	183.7	0.8493*	0.8670*	1.1040/0.8670
W 49 ST 345	-W49 ST 5 138*	1	294.5	178.4	0.8553*	0.8697	1.1040/0.8670
GOETH T 230	-GOETHALS 230	1	-231.4	57.0	-0.9710	1.0000	1.5000/0.5100

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S. BRONX 345  -SBNXT1   138* 1    73.9    -4.9  0.9978   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT2   138* 1    73.9    -4.9  0.9978   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT3   138* 1    73.9    -4.9  0.9978   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT4   138* 1    73.9    -4.9  0.9978   0.9259   1.1040/0.8670
GOETH T  230  -GOETH 1313.6  1     0.1    66.0  0.0018*  1.0000   1.5000/0.5100
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
SHORE RD 345  -SHORE RD 138* 1   181.9    21.2  0.9933   0.8950   1.1200/0.8800
SHORE RD 345  -SHORE RD 138* 1   181.2    21.0  0.9934   0.8950   1.1200/0.8800
E.G.C.-1 345  -E.G.C.   138* 1   317.9    18.9  0.9982   1.1200*  1.1200/0.8800
E.G.C.-2 345  -E.G.C.-2 138* 1   317.9    19.0  0.9982   1.1200*  1.1200/0.8800
COOPC345 345  -COOPC115 115* 1    50.8    -4.7  0.9958   0.9500*  1.1500/0.9500
COOPC345 345  -COOPC115 115* 1    51.2    -4.9  0.9955   0.9500*  1.1500/0.9500
FRASVC1818.2  -FRASR345 345  1     0.0   313.3  0.0000*  1.0000   1.5000/0.5100
FRASR345 345  -FRASR115 115* 1    36.2    25.6  0.8164*  0.9862   1.1468/0.9474
OAKDL345 345  -OAK2M115 115  1   113.8   -63.7  0.8727*  1.0721   1.1478/0.9391
OAKDL345 345  -OAK3M115 115  1   100.0   -69.3  0.8222*  1.0721   1.1478/0.9391
STOLE345 345  -STOLE115 115* 1    51.9    47.6  0.7367*  1.0321   1.0769/0.9744
STOLE345 345  -STOLE115 115* 1    51.5    47.2  0.7376*  1.0321   1.0769/0.9744
WATRC345 345  -WATRC230 230* 1   129.4   123.0  0.7248*  0.9562   1.1000/0.9000
WOODA345 345  -WOODS115 115* 1   148.7    93.3  0.8472*  0.8500*  1.0500/0.8500
WOODB345 345  -WOODS115 115* 1   117.1    81.6  0.8206*  0.8500*  1.0500/0.8500
GARDV230 230  -GARDN M734.5  1    80.8    43.5  0.8807*  1.0000   1.0750/0.9250
GARDV230 230  -GARDN M634.5  1    97.1    57.0  0.8623*  1.0000   1.0750/0.9250
HILSD230 230  -HILSD M334.5  1    93.0   -62.9  0.8284*  1.0000   1.5000/0.5100
HILSD230 230  -HILSD M434.5  1    66.9   129.0  0.4604*  1.0000   1.5000/0.5100
MEYER230 230  -MEYER M434.5  1    85.2   -13.8  0.9872   1.0250*  1.0250/0.8750
OAKDL230 230  -OAKDL115 115  1    78.8    49.2  0.8479*  0.9785   1.5000/0.5100
ROBIN230 230  -ROBIN M134.5  1    52.4     9.0  0.9857   1.0187   1.1000/0.9000
DUNKIRK  230  -DUNKIRK1 115* 1    42.6   -10.5  0.9711   1.0270   1.0779/0.9341
DUNKIRK  230  -DUNKIRK1 115* 1    44.5   -11.5  0.9683   1.0272   1.0875/0.9422
DUNKIRK  230  -DUNKGEN313.8  1  -190.2   -49.1 -0.9682   1.0977   1.5000/0.5100
ELM-70   230  -ELMST23.23.0  1    47.8    25.7  0.8810*  1.1000*  1.1000/0.9000
ELM-71   230  -ELMST23.23.0  1    20.0    16.9  0.7628*  1.1000*  1.1000/0.9000
ELM-72   230  -ELMST23.23.0  1    19.9    16.9  0.7625*  1.1000*  1.1000/0.9000
GRDNVL2  230  -GRDNVL1  115* 1    96.5    40.3  0.9228*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    60.2    25.1  0.9228*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    60.8    25.4  0.9228*  0.9641   1.0302/0.8865
PACKARD2 230  -PACK(N)E 115* 1    25.4   -30.7  0.6382*  1.0182   1.0268/0.8899
PACKARD2 230  -PACK(S)W 115* 1   -42.6    19.8 -0.9069*  0.9840   1.0268/0.8899
SUNY-79  230  -SUNYAB2334.5  1    18.4     6.6  0.9407*  0.9700   1.5000/0.5100
SUNY-80  230  -SUNYAB2334.5  1    18.2     6.5  0.9414*  0.9700   1.5000/0.5100
CLAY     345  -CLAY     115* 1   143.4     2.8  0.9998   1.0500*  1.0540/1.0500
CLAY     345  -CLAY     115* 1   143.1     2.9  0.9998   1.0500*  1.0540/1.0500
DEWITT 3 345  -DEWITT 1 115* 1   216.8    71.7  0.9495*  1.0300*  1.0540/1.0300
ELBRIDGE 345  -ELBRIDGE 115* 1   168.9    32.1  0.9825   1.0300*  1.0540/1.0300
OSWEGO   345  -OSW 3&4  115* 1   207.5    63.4  0.9564   0.9939   1.0500/0.8630
SCRIBA   345  -SCRIBA   115  1     3.2     0.0  1.0000   1.0000   1.5000/0.5100
SCRIBA   345  -SCRIBA   115  1     3.2     0.0  1.0000   1.0000   1.5000/0.5100
KB-AD115 115  -ADRON B1 230  1     0.0     0.5  0.0000*  1.0250   1.5000/0.5100
EDIC     345  -PORTER 2 230  1   269.3   145.6  0.8796*  1.0000   1.5000/0.5100
EDIC     345  -PORTER 1 115* 1   164.2    -5.4  0.9995   0.9901   1.0540/0.8630
EDIC     345  -PORTER 1 115* 1   164.2    -5.4  0.9995   0.9901   1.0540/0.8630
PORTER 2 230  -PORTER 1 115* 1     2.5    62.9  0.0391*  0.9300   1.1000/0.9000
PORTER 2 230  -PORTER 1 115* 1     2.5    62.9  0.0391*  0.9300   1.1000/0.9000
N.SCOT77 345  -N.SCOT1  115* 1   188.2    -8.2  0.9990   1.0076   1.0543/0.8623
N.SCOT99 345  -N.SCOT1  115* 1   191.1    -8.0  0.9991   1.0076   1.0540/0.8620
REYNLD3  345  -REY. RD. 115* 1   232.1    67.3  0.9605   0.9800   1.0540/0.8620
ROTRDM.2 230  -RTRDM1   115* 1   217.5    38.7  0.9846   0.9703   1.0063/0.8145
ROTRDM.2 230  -RTRDM1   115* 1   207.9    11.0  0.9986   0.9815   1.0500/0.8500
ROTRDM.2 230  -RTRDM1   115* 1   168.5    29.6  0.9849   0.9704   1.0063/0.8146
WHAV345  345  -WHAV138  138* 1   312.2   223.4  0.8132*  0.9000*  1.0250/0.9000
SMAHWAH1 345  -SMAH138  138* 1   196.0    51.8  0.9668   0.9467   1.0200/0.9000
N.M.TAP  345  -SHOEMTAP 138* 1   379.9   106.0  0.9632   0.9510*  1.2500/0.9510
MARCY765 765  -MARCY T1 345* 1   717.8   -91.4  0.9920   1.0000   1.0606/0.8240
MARCY765 765  -MARCY T1 345* 1   625.7   -69.5  0.9939   1.0000   1.1183/0.8687
MASS 765 765  -MASS230A 230  1   -77.4    25.6 -0.9494*  0.9665   1.5000/0.5100
MASS 765 765  -MASS230B 230  1   -77.4    25.6 -0.9494*  0.9665   1.5000/0.5100
NIAG 345 345* -NIAGAR2E 230  1  -165.5    34.0 -0.9796   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2E 230  1  -165.5    34.0 -0.9796   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2W 230  1  -329.2    67.6 -0.9796   0.9900   1.0400/0.9650
MOSES W  230  -MOS 115  115  1   -23.7     5.1 -0.9778   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -23.4     5.0 -0.9778   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1    -9.2     2.0 -0.9762   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -23.6     5.0 -0.9779   0.9790   1.5000/0.5100
NIAGAR2W 230  -NIAG115E 115  1    -2.3   -19.4 -0.1188*  1.0000   1.5000/0.5100
NIAGAR2W 230  -NIAG115W 115  1   -87.5    39.9 -0.9100*  1.0283   1.5000/0.5100
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PLAT T#1	230	-PLAT 115	115*	1	-3.4	-33.1	-0.1014*	0.9730*	1.1314/0.9730
PLAT T#4	230	-PLAT 115	115*	1	6.6	75.4	0.0870*	1.0607	1.1314/0.9730
WILLIS E	230	-WILL 115	115*	1	27.4	15.4	0.8723*	1.0297	1.1314/0.9730
WILLIS W	230	-WILL 115	115*	1	27.4	15.4	0.8721*	1.0297	1.1314/0.9730
ROCH	345	-S80 1TR	115*	1	130.6	-7.2	0.9985	1.0251	1.1001/0.9500
ROCH	345	-S80 2TR	115*	1	171.3	-26.0	0.9886	0.9692	1.0500/0.9500
ROCH	345	-S80 3TR	115*	1	130.2	-7.2	0.9985	1.0251	1.1001/0.9500
PANNELL3	345	-PANNELLI	115*	1	101.8	-11.9	0.9933	1.0187	1.0750/0.9250
PANNELL3	345	-PANNELLI	115*	1	101.8	-11.9	0.9933	1.0187	1.0750/0.9250

TRANSMISSION LINE FLOW REPORT

LINE			RATEA	RATEB	RATEC	MVA	MW	MVAR FROM	MVAR TO	MVAR NET
CHA-NY	765	-MASS 765 765	3975.	3975.	5300.	1231.	1200.	-274.	100.	-175.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1397.	1352.	-352.	-45.	-397.
NORHR138	138	-NRTHPT P 138	466.	577.	1577.	109.	97.	-48.	-43.	-91.
HOMER CY	345	-WATRC345 345	755.	927.	0.	398.	396.	44.	11.	56.
BRANCHBG	500	-RAMAPO 5 500	1048.	1373.	0.	667.	448.	494.	-519.	-24.
STLAWR33	220	-STLAWL33 230	300.	498.	0.	3.	1.	2.	-1.	1.
STLAWR34	230	-STLAWL34 230	300.	498.	0.	2.	2.	1.	0.	0.
OAKDL345	345	-FRASR345 345	1255.	1380.	1380.	672.	670.	-52.	123.	71.
CLAY	345	-EDIC 345	1033.	1285.	1434.	614.	613.	29.	23.	52.
CLAY	345	-EDIC 345	1033.	1285.	1434.	616.	615.	29.	24.	52.
VOLNEY	345	-MARCY T1 345	1434.	1792.	1912.	756.	749.	101.	-8.	94.
JA FITZP	345	-EDIC 345	1434.	1434.	1912.	761.	756.	91.	30.	121.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1397.	1352.	-352.	-45.	-397.
MOSES W	230	-ADRON B1 230	348.	359.	440.	151.	151.	1.	2.	3.
MOSES W	230	-ADRON B2 230	348.	386.	440.	151.	151.	1.	2.	3.
EDIC	345	-N.SCOT77 345	1331.	1528.	1724.	935.	933.	63.	223.	286.
PORTER 2	230	-ROTRDM.2 230	440.	505.	560.	273.	273.	-5.	68.	63.
PORTER 2	230	-ROTRDM.2 230	439.	505.	560.	280.	280.	-6.	70.	65.
MARCY T1	345	-N.SCOT99 345	1487.	1792.	1792.	1027.	1020.	126.	189.	314.
CTNY398	345	-PLTVLLEY 345	1195.	1386.	1685.	397.	-255.	305.	-295.	9.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
COOPC345	345	-N.M.TAP 345	1464.	1793.	1793.	847.	830.	170.	-65.	105.
LEEDS 3	345	-HURLEY 3 345	1395.	1623.	1870.	834.	801.	232.	-157.	76.
LEEDS 3	345	-PLTVLLEY 345	1331.	1538.	1724.	1242.	1187.	365.	-84.	281.
ATHENS	345	-PLTVLLEY 345	1331.	1538.	1724.	1200.	1147.	350.	-84.	267.
SPRBROOK	345	-REACM51 345	774.	866.	1291.	456.	454.	-44.	129.	85.
SPRBROOK	345	-REACM52 345	774.	866.	1291.	456.	454.	-44.	129.	85.
REACM51	345	-W 49 ST 345	774.	866.	1291.	472.	454.	-129.	-142.	-271.
REACM52	345	-W 49 ST 345	774.	866.	1291.	472.	454.	-129.	-142.	-271.
DUNWODIE	345	-REAC71 345	715.	817.	1081.	437.	432.	-69.	147.	78.
DUNWODIE	345	-REAC72 345	715.	817.	1081.	437.	432.	-69.	147.	78.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
REAC71	345	-S. BRONX 345	715.	817.	1081.	456.	432.	-147.	-10.	-157.
REAC72	345	-S. BRONX 345	715.	817.	1081.	456.	432.	-147.	-10.	-157.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	283.	283.	20.	-84.	-63.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	283.	283.	20.	-84.	-63.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
SPRBROOK	345	-REACBUS 345	1243.	1386.	1530.	664.	642.	-170.	170.	0.
DUNWODIE	345	-SHORE RD 345	687.	962.	1512.	379.	364.	-104.	-161.	-266.

PAR FLOW AND ANGLE REPORT

PAR			MW	MVAR	ANGLE	ANGLE RANGE
LINDEN	230	-LIN SHF 230	200.5	-130.4	-6.0	25.0/-25.0
WALDWICK	230	-FAIRL SH 230	299.5	338.3	-30.5	35.0/-35.0
WALDWICK	230	-HAWTH SH 230	308.7	-44.5	-28.9	30.0/-30.0
WALDWICK	230	-HILLS SH 230	328.6	-94.0	-29.4	32.0/-32.0
STLAWR33	220	-STLAWL33 230	1.4	2.1	8.7	40.0/-40.0
STLAWR34	230	-STLAWL34 230	1.8	0.7	8.7	40.0/-40.0
FARRAGUT	345	-FARRGUT1 345	-399.3	-139.1	29.9	30.0/-30.0
FARRAGUT	345	-FARRGUT2 345	-414.3	-135.0	30.0*	30.0/-30.0
GOTHLS N	345	-GOTHLS R 345	-231.0	142.8	-25.0*	25.0/-25.0
RAM PAR	345	-RAMAPO 345	221.7	241.9	22.7	40.0/-40.0
RAM PAR	345	-RAMAPO 345	221.7	241.9	22.7	40.0/-40.0
CORONA-S	138	-CORONA1R 138	26.2	1.8	20.9	25.0/-25.0
DUN NO	138	-DUN NO1R 138	64.7	16.5	-15.2	20.0/-20.0
DUN NO	138	-DUN NO2R 138	64.7	16.9	-15.1	20.0/-20.0
DUN SO	138	-DUN SO1R 138	64.8	3.7	-17.4	25.0/-25.0
DUN SO	138	-DUN SO1R 138	64.8	3.7	-17.4	25.0/-25.0

CORONA-N 138 -CORONA2R 138	26.2	20.2	20.9	25.0/-25.0
FRKILLR2 138 -FR-KILLS 138	215.3	-39.5	-2.7	25.0/-25.0
FRKILLSR 138 -FR-KILLS 138	215.1	-36.1	-3.3	25.0/-25.0
GOWNUS1T 138 -GOWNUS1R 138	99.8	-22.7	0.2	25.0/-25.0
GOWNUS2T 138 -GOWNUS2R 138	99.8	-23.1	0.4	25.0/-25.0
ASTE-PAR 138 -ASTE-WRG 138	-220.1	-3.4	8.6	25.0/-25.0
PARK TR1 138 -PARK1REG 138	179.8	48.5	-18.4	25.0/-25.0
PARK TR2 138 -PARK2REG 138	179.8	48.1	-18.5	25.0/-25.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
EGC PAR 345 -E.G.C.-1 345	318.3	51.3	13.0	25.0/-25.0
EGC PAR 345 -E.G.C.-2 345	318.3	51.4	13.1	25.0/-25.0
L SUCSPH 138 -L SUCS 138	-147.3	31.0	-0.8	25.0/-25.0
NRTHPT P 138 -NRTHPT1 138	97.1	43.2	-1.1	50.0/-50.0
V STRM P 138 -VLY STRM 138	-141.1	53.8	0.6	25.0/-25.0
INGMS-CD 115 -INGHAM-E 115	118.2	-7.0	12.4	20.0/-20.0
PLAT 115 115 -PLAT T#3 115	0.0	0.0	19.4	40.0/-40.0

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
COAL CR4 230 ->DICKNSN3 345*	1	1 -505.1	310.3
COAL CR4 230 ->DICKNSN3 345*	2	1 -505.1	310.3
SQBUTTE4 230* ->ARROWHD4 230	3	2 220.5	135.7
SQBUTTE4 230* ->ARROWHD4 230	4	2 220.5	135.7
RADSNDC6 138* ->DC5 JCT4 230	5	1 819.5	488.5
RADSNDC6 138* ->DC6 JCT4 230	6	1 819.5	488.9
HENDAY 4 230* ->DORSEY 4 230	7	1 931.0	579.3
HENDAY 4 230* ->DORSEY 4 230	8	1 931.0	579.3
MI CTYW4 230 ->MI CTYE4 230*	9	1 -32.0	65.6
SIDNEYW4 230 ->SIDNEY 4 230*	10	0 0.0	0.0
CHAT G 315 ->CHAT G3 120*	11	1 -383.7	248.3
CHAT G2 315 ->CHAT G4 120*	12	1 -383.7	248.3
HIGHGT 120 ->HIGHGATE 115*	13	1 -167.0	87.2
MADAWA 315 ->MADAWANB 345*	14	0 0.0	0.0
EEL34A 34.5 ->EELDC2NB34.5*	15	0 0.0	0.0
EEL34B 34.5 ->EELDC1NB34.5*	16	0 0.0	0.0
RAD3152 315 ->NIC230 230*	17	0 0.0	0.0
RAD3152 315 ->NIC230 230*	18	0 0.0	0.0
RAD3152 315 ->SANDY PD 345*	19	1 -750.0	372.8
RAD3152 315 ->SANDY PD 345*	20	1 -750.0	372.8
CHAT G3 120* ->CHAT G 315	21	0 0.0	0.0
CHAT G4 120* ->CHAT G2 315	22	0 0.0	0.0
MADAWANB 345 ->MADAWA 315*	24	0 0.0	0.0
EELDC2NB34.5 ->EEL34A 34.5*	25	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	27	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	28	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	37	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	38	0 0.0	0.0

LBMP ZONE REPORT

	ZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR	GEN MW	MVAR	INT MW	MVAR
1	WEST	2494.	1040.	0.9229	86.	1216.	4781.	1142.	2200.	-233.
2	GENESEE	1710.	541.	0.9534	61.	456.	583.	-22.	-1188.	231.
3	CENTRAL	2763.	1229.	0.9137	165.	2196.	5429.	1361.	2500.	-473.
4	NORTH	666.	242.	0.9400	16.	259.	1195.	55.	513.	-76.
5	MOHAWK	1059.	366.	0.9451	198.	2523.	624.	341.	-633.	257.
6	CAPITAL	2285.	882.	0.9329	95.	1083.	2701.	1577.	321.	1384.
7	HUDSON	2806.	840.	0.9580	154.	2300.	3052.	1506.	92.	-650.
8	MILLWOOD	854.	282.	0.9497	54.	1297.	2283.	811.	1375.	-130.
9	DUNWOODI	1711.	777.	0.9104	45.	1394.	3.	0.	-1753.	-436.
10	NYC	12396.	5801.	0.9057	168.	5580.	8846.	4949.	-3718.	-669.
11	L ISLAND	5999.	2080.	0.9448	92.	1374.	4293.	1143.	-1798.	386.
	TOTALS	34743.	14080.		1135.	19678.	33790.	12864.	-2090.	-409.

LBMP SUBZONE REPORT

LBMP SUBZONE NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
NMPC WES	1	1567.6	668.0	0.9200	62.4	799.9
NMPC CEN	2	1576.9	697.3	0.9146	85.2	1364.8
NMPC MVN	3	738.8	212.8	0.9609	190.9	2487.0
NMPC EAS	4	2157.1	826.5	0.9338	90.6	1061.2

NYSEG WE	5	497.2	235.5	0.9037	19.9	250.7
NYSEG CE	6	1111.8	495.7	0.9133	80.2	832.0
NYSEG EA	7	256.5	123.2	0.9014	7.0	35.6
NYSEG HU	8	18.6	7.4	0.9293	0.0	0.0
RG&E	9	1413.8	446.4	0.9536	28.9	342.0
CENT HUD	10	1475.0	401.7	0.9648	110.0	1435.5
O&R	11	1312.4	431.0	0.9501	27.1	315.6
LIPA	12	5973.0	2068.1	0.9450	92.7	1352.4
NYPA WES	13	429.1	136.6	0.9529	3.6	165.9
NYPA NOR	14	500.9	183.4	0.9390	5.4	120.3
CON ED C	15	12396.3	5801.0	0.9057	168.2	5570.9
NYPA B	16	36.8	17.8	0.9000	0.6	1.5
NYPA C	17	74.3	36.0	0.9000	0.0	0.0
NYPA E	18	59.1	28.5	0.9009	0.0	0.0
NYSEG NO	19	98.7	42.0	0.9201	2.3	32.8
NYPA F	20	21.8	10.5	0.8999	0.0	0.2
NYSEG ME	21	106.1	45.2	0.9200	4.4	21.4
NYPA H	22	36.8	21.3	0.8660	3.9	186.8
CON ED N	23	459.4	153.9	0.9482	40.4	993.4
NYPA I	24	0.0	0.0		0.0	0.0
CON ED C	25	1710.7	777.2	0.9104	44.0	1390.2
NYPA J	26	0.0	0.0		0.0	9.3
NYPA K	27	26.0	11.4	0.9154	0.5	25.9
NYPA G	28	0.0	0.0		0.0	0.0
NMPC GNS	29	259.4	77.1	0.9586	31.6	111.2
NYSEG BR	30	357.8	106.4	0.9585	9.7	116.6
NMPC NTH	31	66.4	16.4	0.9710	8.6	106.4
CE UPNY	32	0.0	0.0		16.8	548.6
CENT H C	33	4.6	1.7	0.9396	0.0	0.0
	34	0.0	0.0		0.0	0.0

SUBSYSTEM LOAD & LOSS MW 34743.0 1134.9

OWNER REPORT

OWNER NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
CENT HUD	1	1479.6	403.4	0.9648	46.6	635.3
CONED	2	14566.4	6732.1	0.9077	260.7	8136.9
LIPA	3	5999.0	2079.5	0.9448	89.3	1382.5
NYSEG	4	2389.8	1027.9	0.9186	132.4	1561.4
NIMO	5	6154.7	2388.2	0.9323	372.6	3953.6
O&R	6	1312.4	431.0	0.9501	29.8	562.7
NYPA	7	1427.3	571.6	0.9283	177.2	3221.5
RGE	8	1413.8	446.4	0.9536	28.0	327.3

SUBSYSTEM LOAD & LOSS MW 34743.0 1136.7

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CASE :CEII 2005 FERC FORM NO. 715, 2015 SUM PK V3
      DYS1963 WC791 MS1539 TE5045 CE2524 US4779 UC3842 DS3273
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STATION VOLTAGES

BOWLINE1 345 = 313.8*	BOWLINE2 345 = 315.2*	BUCH S 345 = 307.9*
CLAY 345 = 357.3	COOPC345 345 = 324.5*	DUNWODIE 345 = 303.7*
EDIC 345 = 350.3	FARRAGUT 345 = 319.1*	FRASR345 345 = 352.7
GRDNVL2 230 = 228.7	GILB 345 345 = 353.1	GOTHLS N 345 = 348.4
GOWANUSN 345 = 344.7	LADENTWN 345 = 312.6*	LEEDS 3 345 = 339.9*
MARCY T1 345 = 350.5	MILLWOOD 345 = 304.9*	N.SCOT77 345 = 346.9*
N.SCOT99 345 = 346.9*	NIAGAR2E 230 = 234.6	NIAGAR2W 230 = 234.6
NIAG 345 345 = 357.0	NRTHPRT1 138 = 142.1	OAKDL345 345 = 350.8
PANNELL3 345 = 357.4	PLTVLLEY 345 = 315.3*	RAINEY 345 = 321.2*
RAMAPO 345 = 311.6*	RAMAPO 5 500 = 454.6*	ROCK TAV 345 = 314.2*
ROSETON 345 = 318.5*	KINTI345 345 = 358.8	SPRBROOK 345 = 303.7*
ROCH 345 345 = 356.7	MOSES W 230 = 236.6	WATRC230 230 = 231.7
CHA-NY 765 = 759.2	MARCY765 765 = 772.9	MASS 765 765 = 764.4
FISHKILL 345 = 314.6*	HURLEY 3 345 = 325.2*	SHORE RD 345 = 301.9*
VOLNEY 345 = 360.9	WATRC345 345 = 340.7	DUNKIRK 230 = 239.2
MEYER230 230 = 227.0	OAKDL230 230 = 223.7	ROTRDM.2 230 = 221.1
CHANY2 120 = 123.9	CHANY1 120 = 123.9	ALB3 115 = 119.0
BATH 115 115 = 116.1	BORDR115 115 = 115.6	CLAY 115 = 113.4
DELHI115 115 = 117.2	E.NOR115 115 = 117.4	FALCONER 115 = 115.7
GOUDY115 115 = 112.3	MEYER115 115 = 116.3	MOS 115 115 = 120.8*
NIAG115E 115 = 118.4	NIAG115W 115 = 118.4	N.WAV115 115 = 114.3
OAKDL115 115 = 112.0	PLAT T#3 115 = 118.7	PL.VAL 1 115 = 110.6
PORTER 1 115 = 118.3	ROCK TV1 115 = 115.3	RTRDM1 115 = 114.9
SHENANDO 115 = 108.6*	S82-1115 115 = 117.0	

GENERATOR/SVC QUANTITIES

GENERATOR	MW	PMAX	PMIN	MVAR	QMAX	QMIN	VSCHED	VTBUS
GILBOA#117.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0121
GILBOA#217.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0119
GILBOA#317.0	250.0	250.0	0.0	90.0	90.0	-30.0	1.0300	1.0119
GILBOA#417.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9758
9M PT 1G23.0	626.0	626.0	300.0	120.1	340.0	0.0	1.0500	1.0250
9M PT 2G25.0	1212.0	1212.0	700.0	218.8	360.0	50.0	1.0500	0.9977
OSWGO 5G22.0	766.2	881.0	250.0	333.7	340.0	-240.0	1.0500	1.0192
OSWGO 6G22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.9894
JAFITZ1G24.0	848.8	848.8	230.0	234.5	375.0	-300.0	1.0500	0.9995
SITH-G1 18.0	115.0	170.0	0.0	26.8	126.9	-80.0	1.0500	0.9876
SITH-G2 18.0	115.0	170.0	0.0	26.8	126.9	-80.0	1.0500	0.9876
SITH-G3 18.0	115.0	170.0	0.0	26.8	126.9	-80.0	1.0500	0.9876
SITH-G4 18.0	115.0	170.0	0.0	26.8	126.9	-80.0	1.0500	0.9876
SITH-S5 18.0	160.0	220.6	0.0	26.8	104.7	-75.0	1.0500	0.9833
SITH-S6 18.0	160.0	220.6	0.0	26.8	104.7	-75.0	1.0500	0.9833
ROSE GN124.0	727.0*	610.0	150.0	310.0	310.0	-106.0	1.0300	0.9366
ROSE GN224.0	610.0	610.0	150.0	190.0	190.0	-57.0	1.0300	0.9122
BOW1 20.0	592.0	592.0	150.0	384.0	384.0	-100.0	1.0300	0.9590
BOW2 20.0	592.0	592.0	150.0	380.0	380.0	-100.0	1.0300	0.9619
IND PT 222.0	1176.9*	1078.0	314.0	550.0	550.0	-300.0	1.0400	0.9208
IP#3 GEN22.0	1080.0	1080.0	314.0	225.0	225.0	-100.0	1.0300	0.8638
RAV 3 22.0	972.0	972.0	386.0	792.4	792.4	-265.7	1.0400	0.9593
	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0000
KINTIG2424.0	502.9	709.0	197.0	54.2	275.0	-100.0	1.0400	1.0212
GINNA 1919.0	506.5	610.1	50.0	-21.5	261.4	-139.9	1.0522	1.0226
NIAG. 8 13.8	200.0	215.0	0.0	12.1	69.8	-28.0	1.0200	0.9876
NIAG. 1113.8	200.0	215.0	0.0	12.1	69.8	-28.0	1.0200	0.9863
MOS17-1813.8	90.2	114.0	0.0	11.6	44.0	-36.0	1.0200	1.0200
MOS29-3013.8	114.0	114.0	0.0	18.6	44.0	-36.0	1.0200	1.0200
DUNKGEN313.8	197.0	197.0	50.0	76.0	120.0	0.0	1.0400	0.9805
DUNKGEN413.8	191.0	191.0	50.0	76.0	120.0	0.0	1.0400	0.9808
HNTLY67G13.8	191.4	191.4	50.0	100.0	100.0	0.0	1.0260	0.9896
HNTLY68G13.8	190.6	190.6	50.0	100.0	100.0	0.0	1.0260	0.9902
FRASVC1818.2	0.0	0.0	0.0	325.0	325.0	-300.0	1.0355	1.1730
LEEDS 3 345	0.0	0.0	0.0	270.0	270.0	-300.0	1.0255	0.9853
USTATCOM 345	0.0*	0.0	0.0	203.2	203.2	-203.2	0.0000	1.0161
CHAT G3 120	0.0	0.0	0.0	-77.0	166.2	-99.1	1.0250	1.0250
CHAT G4 120	0.0	0.0	0.0	-77.0	83.1	-99.1	1.0250	1.0250

GENERATOR COMPLEX REPORT

GEN COMPLEX	ON OFF	MW	SPRES	PMAX	PMIN	MVAR	REMVAR	QMAX	QMIN

AREA-1-FRONTIER	62	8	4771.	421.	5924.	662.	1151.	891.	2338.	-869.
AREA-2-GENESSEE	5	12	579.	104.	824.	78.	-18.	311.	351.	-173.
AREA-3-SYRACUSE	62	4	5423.	528.	7000.	1971.	1455.	1293.	3105.	-1365.
AREA-4-ADIRONDK	52	2	1193.	32.	1305.	234.	75.	799.	899.	-456.
AREA-5-UTICA	128	9	630.	105.	952.	0.	358.	237.	672.	-587.
AREA-6-CAPITAL	77	13	2746.	514.	4135.	45.	1653.	135.	2141.	-1431.
AREA-7-MIDHUDSN	27	11	3130.	-110.	3539.	968.	1511.	2.	1850.	-590.
AREA-8-MILLWOOD	5	0	2314.*	-99.	2215.	628.	811.	0.	811.	-424.
AREA-9-SPR	1	0	3.	0.	3.	0.	0.	0.	0.	0.
AREA-10-NYC_ZON	85	8	8943.	-144.	9350.	2717.	4971.	1398.	6777.	-3743.
AREA-11-L-ISLAN	71	19	4180.	622.	5526.	1000.	1174.	561.	1877.	-1568.
AREA-31-PSEG	64	20	7446.	312.	9988.	5560.	2332.	1077.	4568.	-2007.
OSWEGO-GENERATI	10	1	4233.	456.	5570.	1680.	1068.	1064.	2462.	-1230.
NIAGARA-GENERAT	24	1	2700.	180.	3095.	0.	457.	498.	1025.	-539.
ST.LAWRENCE-GEN	18	0	888.	24.	912.	0.	68.	584.	652.	-348.
GILBOA-GENERATI	3	1	750.	0.	1000.	0.	270.	0.	360.	-120.
HUNTLEY-GENERAT	4	4	382.	0.	722.	185.	200.	0.	375.	0.
DUNKIRK-GENERAT	6	0	558.	0.	558.	140.	232.	108.	340.	0.
ROSETON-GENERAT	2	0	1337.*	-117.	1220.	300.	500.	0.	500.	-163.
BETHLEHEM-GENER	4	0	420.	370.	790.	45.	505.	55.	560.	-290.
ATHENS-GENERATI	5	1	680.	150.	1080.	0.	380.	0.	495.	-495.
COGENTECH-GENER	8	0	645.	0.	645.	0.	219.	181.	400.	-160.
SCSASTORIA-GENE	3	0	435.	165.	600.	120.	259.	99.	358.	-217.
POLEXPANS-GENER	3	0	638.	0.	638.	0.	351.	3.	354.	-354.
DANSKAM-GENERAT	2	0	379.	0.	379.	150.	138.	0.	138.	-48.
HOMER-CITY-GENE	3	0	1884.	0.	1884.	900.	349.	600.	948.	-393.
NORTHFIELD-GENE	3	1	750.	60.	1080.	-1000.	232.	8.	320.	-160.
BRUCE-GENERATIO	6	2	4460.	356.	6272.	0.	1549.	1181.	3380.	-2540.

INTERFACE FLOW REPORT

DESCRIPTION	MW	MVAR	DESCRIPTION	MW	MVAR
DYSINGER-EAST	1994.6	-142.0	DYSINGER-EAST-(C)	3090.8	676.2
WEST-CENTRAL	777.6	23.6	WEST-CENTRAL-(C)	1873.8	841.8
VOLNEY-EAST	3619.8	-70.1	VOLNEY-EAST-(C)	4389.5	615.0
MOSES-SOUTH	1578.4	-316.1	MOSES-SOUTH-(C)	1697.3	-317.5
CENTRAL-EAST	2711.2	-533.6	TOTAL-EAST	5467.2	190.4
UPNY-SENY	5213.5	1943.7	UPNY-SENY-(C)	5976.4	2066.6
UPNY-CONED	3823.5	797.6	UPNY-CONED-(C)	6062.1	1171.6
MILLWOOD-SOUTH	6782.2	749.0	LIPA-IMPORT	1939.3	-52.7
DUNWOODIE-SOUTH	3420.6	-668.3	DUNWOODIE-SOUTH-(C)	5659.1	-294.3
CONED-CABLE-INT-(C)	3719.8	-241.6	A-B-C-J-K-PAR-IMBAL	160.4	356.4
NIAGARA-TIE	-32.4	64.0	CEDARS-IMPORT	0.0	4.7
PJM-NY	911.4	774.8	NE-NY	171.6	487.0
ON-NY	-33.9	58.0	ONTARIO-MICHIGAN	33.7	26.2
CONED-345	1663.3	-674.2	CONED-138	905.5	11.7
Y49-Y50	1140.9	-2.5	138-POCKET	992.5	119.5
AST-POCKET	599.7	266.0	GRNWD-POCKET	802.4	-40.7
STAT-POCKET	362.9	-62.3	E13-POCKET	1057.9	481.3
W49-POCKET	2356.9	485.3	EVIEW-POCKET	850.1	262.4
DUNSO-POCKET	187.5	152.2	DUNNO-POCKET	133.0	-30.4
ON-MAN-MIN	0.3	-42.8	VOLT-TE#3	4424.9	-136.1
EAST OF HOLBROOK	334.5	44.8	NEWBRIDGE EAST	-207.1	-198.9
AR-3-BULK-XFMRS	1539.6	176.6	AR-4-BULK-XFMRS	-175.2	117.3
AR-5-BULK-XFMRS	2066.1	-1.1	AR-6-BULK-XFMRS	1209.6	93.3
AR-7-BULK-XFMRS	1907.2	962.8	AR-8-BULK-XFMRS	633.4	258.2
AR-3-4-5-6-7-8X	7180.6	1607.2	CONED-CABLE-INT	2568.8	-662.5

SHUNT REPORT

SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT	SHNTNAME	SHACT (-ind,+cap)	SHTOT
MARCY T1 345	413.	400.	OAKDL345 345	0.	135.	N.SCOT77 345	273.	270.
N.SCOT99 345	136.	135.	LEEDS 3 345	262.	270.	EDIC 345	206.	200.
MOS 115 115	74.	68.	PORTER 1 115	60.	57.	MARCY765 765	-204.	-200.
MASS 765 765	-200.	-400.	FRASR345 345	293.	280.	COOPC345 345	248.	280.
ROCK TAV 345	224.	270.	FISHKILL 345	224.	270.	GILB 345 345	141.	135.
ROTRDM.2 230	156.	169.	ROCH 345 345	0.	135.	CLAY 115	49.	50.
MOS 115 115	74.	68.	DUNWODIE 345	0.	-150.	FARRGUT1 345	-56.	-60.
FARRGUT2 345	-56.	-60.	GOTHLS N 345	0.	-150.	GOTHLS S 345	-154.	-150.
GOWANUSN 345	-150.	-150.	GOWANUSS 345	0.	-150.	PL VILLE 345	0.	-20.
PL VILLW 345	0.	-20.	RAINEY 345	0.	-300.	SPRBROOK 345	0.	0.
REACBUS 345	-116.	-300.	EASTVIEW 138	0.	0.	E179 ST 138	0.	-150.
GRENWOOD 138	0.	-150.	REACM51 345	0.	-300.	REACM52 345	0.	-300.

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GOETH 1313.6   -62. -140.  SHORE RD 345  -115. -150.  HMP HRBR 345  -116. -150.
EGC DUM  345     0.    0.
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TRANSFORMER FLOW REPORT

TRANSFORMER	CNTL	MW	MVAR	PF	TAP	TAP RANGE
HURLEY 3 345 -HURLEY 1 115*	1	285.0	92.8	0.9508	1.1064	1.1607/0.9497
ROCK TAV 345 -ROCK TV1 115*	1	184.2	134.6	0.8073*	1.1831*	1.1831/0.9647
ROCK TAV 345 -ROCK TV1 115*	1	184.2	134.6	0.8073*	1.1831*	1.1831/0.9647
FISHKILL 345 -E FISH I 115*	1	142.8	-0.4	1.0000	0.9647*	1.1830/0.9647
PLTVLLEY 345 -PL.VAL 1 115*	1	105.2	78.8	0.8005*	0.9141*	1.1173/0.9141
RAMAPO 5 500 -RAM PAR 345*	1	439.6	535.4	0.6345*	0.9000*	1.1000/0.9000
BOWLINE2 345 -BOW138 138*	1	243.5	22.7	0.9957	1.0250*	1.0250/0.9000
	0	0.0	0.0	1.0000	0.0000*	0.0000/0.0000
BUCH N 345 -BUCHNTA5 138*	1	164.0	33.3	0.9800	0.8892	1.1040/0.8670
DUNWODIE 345 -DUN NO 138*	1	280.3	112.0	0.9286*	0.8670*	1.1041/0.8670
DUNWODIE 345 -DUN SO 138*	1	300.2	152.3	0.8919*	0.8670*	1.1041/0.8670
E VIEW1 345 -EASTVIEW 138*	1	219.7	95.1	0.9177*	0.8670*	1.1041/0.8670
E VIEW2 345 -EASTVIEW 138*	1	211.0	78.2	0.9377*	0.8670*	1.1041/0.8670
E VIEW3 345 -EASTVIEW 138*	1	210.2	77.8	0.9378*	0.8670*	1.1041/0.8670
E VIEW4 345 -EASTVIEW 138*	1	210.2	77.8	0.9378*	0.8670*	1.1041/0.8670
E15ST 45 345 -E13 ST 138*	1	175.2	88.6	0.8924*	0.8812	1.1041/0.8670
E15ST 45 345 -T14MPT 138	1	145.9	73.9	0.8920*	1.0000	1.5000/0.5100
E15ST 46 345 -E13 ST 138*	1	168.6	86.0	0.8907*	0.8812	1.1041/0.8670
E15ST 46 345 -T13MPT 138	1	151.4	76.9	0.8916*	1.0000	1.5000/0.5100
E15ST 47 345 -E13 ST 138*	1	176.5	92.1	0.8865*	0.8812	1.1041/0.8670
E15ST 47 345 -E RIVER 69.0*	1	-101.1	-33.6	-0.9489*	0.9408	1.0870/0.8540
E15ST 48 345 -E13 ST 138*	1	177.8	91.4	0.8895*	0.8812	1.1041/0.8670
E15ST 48 345 -T11MPT 138	1	165.2	85.4	0.8884*	1.0000	1.5000/0.5100
FARRAGUT 345 -F/S38M11 138*	1	107.0	67.9	0.8442*	0.8821	1.1040/0.8670
FARRAGUT 345 -F/S38M12 138*	1	105.9	61.9	0.8635*	0.8892	1.1040/0.8670
FARRAGUT 345 -F/S38M13 138*	1	26.2	-7.4	0.9621	0.9197	1.1040/0.8670
FARRAGUT 345 -F/S38M14 138*	1	106.3	61.7	0.8647*	0.8892	1.1040/0.8670
FARRAGUT 345 -FGT/BRT1 138*	1	188.5	60.1	0.9528	0.8893	1.1040/0.8670
FARRAGUT 345 -FGT/BRT2 138*	1	187.7	59.2	0.9536	0.8893	1.1040/0.8670
FARRAGUT 345 -FGT/BRT3 138*	1	187.9	59.4	0.9535	0.8893	1.1040/0.8670
FARRAGUT 345 -FGT/BRT4 138*	1	188.3	59.8	0.9531	0.8893	1.1040/0.8670
FARRAGUT 345 -FGT/HAT1 138*	1	93.6	40.5	0.9179*	0.8967	1.1040/0.8670
FARRAGUT 345 -FGT/HAT2 138*	1	96.3	50.7	0.8850*	0.8744	1.1040/0.8670
FARRAGUT 345 -FGT/HAT3 138*	1	60.4	20.7	0.9461*	0.9002	1.1040/0.8670
FARRAGUT 345 -FGT/HAT4 138*	1	60.0	20.3	0.9474*	0.9001	1.1040/0.8670
FARRAGUT 345 -FGT/HAT5 138*	1	60.5	23.4	0.9326*	0.8940	1.1040/0.8670
FARRAGUT 345 -FGT/HAT6 138*	1	96.8	51.1	0.8842*	0.8758	1.1040/0.8670
FARRAGUT 345 -FGT/HAT7 138*	1	94.7	44.9	0.9034*	0.8879	1.1040/0.8670
FARRAGUT 345 -HAE TR1 138*	1	-75.6	4.2	-0.9984	0.9255	1.1041/0.8670
FARRAGUT 345 -HAE TR3 138*	1	-75.6	4.2	-0.9984	0.9255	1.1041/0.8670
FGT-HUD9 345 -F/S38M15 138*	1	95.4	61.2	0.8417*	0.8893	1.1041/0.8670
FGT-HUD9 345 -HAE TR2 138*	1	-74.3	13.8	-0.9833	0.9167	1.1041/0.8670
FR KILLS 345 -FRKILLR2 138*	1	215.1	-27.7	0.9918	1.0224	1.0884/0.8900
FR KILLS 345 -FRKILLSR 138*	1	215.0	-23.2	0.9942	1.0224	1.0884/0.8900
GOTHLS R 345 -GOETH T 230*	1	-265.8	139.0	-0.8861*	0.9665	1.0879/0.9540
GOWANUSN 345 -GOWNUS1T 138*	1	100.2	-21.6	0.9775	1.0069	1.1041/0.8670
GOWANUSS 345 -GOWNUS2T 138*	1	100.3	-22.0	0.9767	1.0146	1.1041/0.8670
MILLWOOD 345 -MLWD TA 138*	1	99.7	36.5	0.9391*	0.8670*	1.1040/0.8670
MILLWOOD 345 -MLWD TA 138*	1	97.2	35.7	0.9388*	0.8670*	1.1040/0.8670
PL VILLE 345 -PLTVILLE13.6*	1	48.1	10.2	0.9780	1.2031	1.2186/0.9706
PL VILLW 345 -PLTVILLE13.6*	1	45.9	14.1	0.9557	1.2353*	1.2353/0.9706
RAINEY 345 -RAINEY3W 138*	1	137.3	57.8	0.9217*	0.9111	1.1040/0.8670
RAINEY 345 -2E DUM 138*	1	148.5	48.6	0.9505	0.8982	1.0875/0.8545
RAINEY 345 -7E DUM 138*	1	121.4	42.0	0.9449*	0.9200	1.0875/0.8545
RAINEY 345 -7W DUM 138*	1	139.3	83.2	0.8585*	0.8909	1.0875/0.8545
RAINEY 345 -8E DUM 138*	1	-271.2	-39.1	-0.9898	0.9127	1.0875/0.8545
RAINEY 345 -8W DUM 138*	1	-203.2	-18.8	-0.9957	0.9273	1.0875/0.8545
RAINEY 345 -9E DUM 138*	1	14.9	-23.0	0.5437*	0.9407	1.1040/0.8670
RAMAPO 345 -RAMP138 138*	1	224.9	155.7	0.8222*	0.9000*	1.1000/0.9000
RAMAPO 345 -RAMP138 138*	1	224.9	155.7	0.8222*	0.9000*	1.1000/0.9000
SPRBROOK 345 -DUN NO T 138*	1	238.9	95.0	0.9292*	0.8670*	1.1041/0.8670
SPRBROOK 345 -DUN SO T 138*	1	258.9	130.1	0.8936*	0.8670*	1.1041/0.8670
TREMONT 345 -PARK TR1 138*	1	177.5	58.8	0.9492*	0.8670*	1.1041/0.8670
TREMONT 345 -PARK TR2 138*	1	179.5	58.8	0.9503	0.8670*	1.1041/0.8670
W 49 ST 345 -W49 ST 1 138*	1	257.9	135.7	0.8849*	0.8770	1.1040/0.8670
W 49 ST 345 -W49 ST 2 138*	1	179.8	85.1	0.9038*	0.8897	1.1040/0.8670
W 49 ST 345 -W49 ST 3 138*	1	260.0	143.4	0.8757*	0.8749	1.1040/0.8670
W 49 ST 345 -W49 ST 4 138*	1	297.9	174.7	0.8626*	0.8670*	1.1040/0.8670
W 49 ST 345 -W49 ST 5 138*	1	296.9	169.4	0.8686*	0.8697	1.1040/0.8670
GOETH T 230 -GOETHALS 230	1	-265.9	72.1	-0.9651	1.0000	1.5000/0.5100

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S. BRONX 345  -SBNXT1   138* 1    74.6    -6.5  0.9962   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT2   138* 1    74.6    -6.5  0.9962   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT3   138* 1    74.6    -6.5  0.9962   0.9259   1.1040/0.8670
S. BRONX 345  -SBNXT4   138* 1    74.6    -6.5  0.9962   0.9259   1.1040/0.8670
GOETH T  230  -GOETH 1313.6  1     0.1    66.0  0.0018*  1.0000   1.5000/0.5100
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
                             0     0.0     0.0  1.0000   0.0000*  0.0000/0.0000
SHORE RD 345  -SHORE RD 138* 1   252.3    26.4  0.9946   0.8800*  1.1200/0.8800
SHORE RD 345  -SHORE RD 138* 1   251.5    26.0  0.9947   0.8800*  1.1200/0.8800
E.G.C.-1 345  -E.G.C.   138* 1   316.6     3.5  0.9999   1.1200*  1.1200/0.8800
E.G.C.-2 345  -E.G.C.-2 138* 1   316.6     3.7  0.9999   1.1200*  1.1200/0.8800
COOPC345 345  -COOPC115 115* 1    51.7    -9.5  0.9835   0.9500*  1.1500/0.9500
COOPC345 345  -COOPC115 115* 1    52.1    -9.8  0.9829   0.9500*  1.1500/0.9500
FRASVC1818.2  -FRASR345 345  1     0.0   325.0  0.0000*  1.0000   1.5000/0.5100
FRASR345 345  -FRASR115 115* 1    32.9    21.8  0.8332*  0.9862   1.1468/0.9474
OAKDL345 345  -OAK2M115 115  1   111.5   -60.2  0.8801*  1.0659   1.1478/0.9391
OAKDL345 345  -OAK3M115 115  1    97.8   -65.8  0.8298*  1.0659   1.1478/0.9391
STOLE345 345  -STOLE115 115* 1    53.1    45.7  0.7580*  1.0257   1.0769/0.9744
STOLE345 345  -STOLE115 115* 1    52.7    45.3  0.7588*  1.0257   1.0769/0.9744
WATRC345 345  -WATRC230 230* 1   125.7   114.1  0.7406*  0.9562   1.1000/0.9000
WOODA345 345  -WOODS115 115* 1   152.6    94.7  0.8495*  0.8500*  1.0500/0.8500
WOODB345 345  -WOODS115 115* 1   120.4    85.1  0.8167*  0.8500*  1.0500/0.8500
GARDV230 230  -GARDN M734.5  1    80.0    43.4  0.8788*  1.0000   1.0750/0.9250
GARDV230 230  -GARDN M634.5  1    96.1    57.0  0.8601*  1.0000   1.0750/0.9250
HILSD230 230  -HILSD M334.5  1    92.7   -63.6  0.8244*  1.0000   1.5000/0.5100
HILSD230 230  -HILSD M434.5  1    66.6   126.8  0.4651*  1.0000   1.5000/0.5100
MEYER230 230  -MEYER M434.5  1    86.3   -14.6  0.9860   1.0250*  1.0250/0.8750
OAKDL230 230  -OAKDL115 115  1   81.5    47.5  0.8642*  0.9785   1.5000/0.5100
ROBIN230 230  -ROBIN M134.5  1    53.0     8.9  0.9863   1.0187   1.1000/0.9000
DUNKIRK  230  -DUNKIRK1 115* 1    42.5   -10.8  0.9693   1.0270   1.0779/0.9341
DUNKIRK  230  -DUNKIRK1 115* 1    44.5   -11.8  0.9664   1.0272   1.0875/0.9422
DUNKIRK  230  -DUNKGEN313.8  1  -190.2   -48.3 -0.9693   1.0977   1.5000/0.5100
ELM-70   230  -ELMST23.23.0  1    47.5    25.6  0.8803*  1.1000*  1.1000/0.9000
ELM-71   230  -ELMST23.23.0  1    20.0    16.8  0.7646*  1.1000*  1.1000/0.9000
ELM-72   230  -ELMST23.23.0  1    19.9    16.7  0.7644*  1.1000*  1.1000/0.9000
GRDNVL2  230  -GRDNVL1  115* 1    95.7    40.2  0.9219*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    59.7    25.1  0.9219*  0.9641   1.0302/0.8865
GRDNVL2  230  -GRDNVL1  115* 1    60.3    25.3  0.9219*  0.9641   1.0302/0.8865
PACKARD2 230  -PACK(N)E 115* 1    24.9   -30.7  0.6301*  1.0182   1.0268/0.8899
PACKARD2 230  -PACK(S)W 115* 1   -43.2    19.8 -0.9091*  0.9840   1.0268/0.8899
SUNY-79  230  -SUNYAB2334.5  1    18.3     6.6  0.9408*  0.9700   1.5000/0.5100
SUNY-80  230  -SUNYAB2334.5  1    18.1     6.5  0.9414*  0.9700   1.5000/0.5100
CLAY     345  -CLAY     115* 1   142.8     3.5  0.9997   1.0500*  1.0540/1.0500
CLAY     345  -CLAY     115* 1   142.5     3.5  0.9997   1.0500*  1.0540/1.0500
DEWITT 3 345  -DEWITT 1 115* 1   216.0    71.5  0.9493*  1.0300*  1.0540/1.0300
ELBRIDGE 345  -ELBRIDGE 115* 1   166.6    32.3  0.9817   1.0300*  1.0540/1.0300
OSWEGO   345  -OSW 3&4  115* 1   204.6    55.9  0.9646   1.0002   1.0500/0.8630
SCRIBA   345  -SCRIBA   115  1     3.2     0.0  1.0000   1.0000   1.5000/0.5100
SCRIBA   345  -SCRIBA   115  1     3.2     0.0  1.0000   1.0000   1.5000/0.5100
KB-AD115 115  -ADRON B1 230  1     0.0     0.5  0.0000*  1.0250   1.5000/0.5100
EDIC     345  -PORTER 2 230  1   269.6   156.4  0.8649*  1.0000   1.5000/0.5100
EDIC     345  -PORTER 1 115* 1   161.9    -3.0  0.9998   0.9901   1.0540/0.8630
EDIC     345  -PORTER 1 115* 1   161.9    -3.0  0.9998   0.9901   1.0540/0.8630
PORTER 2 230  -PORTER 1 115* 1    -0.4    56.6 -0.0074*  0.9300   1.1000/0.9000
PORTER 2 230  -PORTER 1 115* 1    -0.4    56.6 -0.0074*  0.9300   1.1000/0.9000
N.SCOT77 345  -N.SCOT1  115* 1   190.2   -26.0  0.9908   1.0076   1.0543/0.8623
N.SCOT99 345  -N.SCOT1  115* 1   193.1   -26.0  0.9911   1.0076   1.0540/0.8620
REYNLD3  345  -REY. RD. 115* 1   231.0    57.9  0.9700   0.9800   1.0540/0.8620
ROTRDM.2 230  -RTRDM1   115* 1   219.3    61.0  0.9635   0.9404   1.0063/0.8145
ROTRDM.2 230  -RTRDM1   115* 1   206.3     2.9  0.9999   0.9627   1.0500/0.8500
ROTRDM.2 230  -RTRDM1   115* 1   169.9    46.8  0.9641   0.9404   1.0063/0.8146
WHAV345  345  -WHAV138  138* 1   315.0   214.9  0.8260*  0.9000*  1.0250/0.9000
SMAHWAH1 345  -SMAH138  138* 1   209.2   116.8  0.8731*  0.9133   1.0200/0.9000
N.M.TAP  345  -SHOEMTAP 138* 1   384.0    96.4  0.9699   0.9510*  1.2500/0.9510
MARCY765 765  -MARCY T1 345* 1   715.8   -80.8  0.9937   1.0000   1.0606/0.8240
MARCY765 765  -MARCY T1 345* 1   623.8   -60.4  0.9954   1.0000   1.1183/0.8687
MASS 765 765  -MASS230A 230  1   -75.5    23.2 -0.9558   0.9665   1.5000/0.5100
MASS 765 765  -MASS230B 230  1   -75.5    23.2 -0.9558   0.9665   1.5000/0.5100
NIAG 345 345* -NIAGAR2E 230  1  -168.5    33.4 -0.9809   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2E 230  1  -168.5    33.4 -0.9809   0.9900   1.0500/0.9500
NIAG 345 345* -NIAGAR2W 230  1  -335.1    66.5 -0.9809   0.9900   1.0400/0.9650
MOSES W  230  -MOS 115  115  1   -24.3     1.9 -0.9971   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -23.9     1.8 -0.9971   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1    -9.4     0.8 -0.9965   0.9790   1.5000/0.5100
MOSES W  230  -MOS 115  115  1   -24.1     1.8 -0.9971   0.9790   1.5000/0.5100
NIAGAR2W 230  -NIAG115E 115  1    -3.1   -19.4 -0.1559*  1.0000   1.5000/0.5100
NIAGAR2W 230  -NIAG115W 115  1   -88.5    39.9 -0.9115*  1.0283   1.5000/0.5100
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PLAT T#1	230	-PLAT 115	115*	1	-3.4	-33.8	-0.0997*	0.9730*	1.1314/0.9730
PLAT T#4	230	-PLAT 115	115*	1	6.6	74.5	0.0876*	1.0607	1.1314/0.9730
WILLIS E	230	-WILL 115	115*	1	27.2	15.0	0.8752*	1.0297	1.1314/0.9730
WILLIS W	230	-WILL 115	115*	1	27.2	15.0	0.8751*	1.0297	1.1314/0.9730
ROCH 345	345	-S80 1TR	115*	1	130.0	-7.4	0.9984	1.0251	1.1001/0.9500
ROCH 345	345	-S80 2TR	115*	1	170.6	-26.3	0.9883	0.9692	1.0500/0.9500
ROCH 345	345	-S80 3TR	115*	1	129.6	-7.4	0.9984	1.0251	1.1001/0.9500
PANNELL3	345	-PANNELLI	115*	1	101.3	-12.4	0.9926	1.0187	1.0750/0.9250
PANNELL3	345	-PANNELLI	115*	1	101.3	-12.4	0.9926	1.0187	1.0750/0.9250

TRANSMISSION LINE FLOW REPORT

LINE			RATEA	RATEB	RATEC	MVA	MW	MVAR FROM	MVAR TO	MVAR NET
CHA-NY	765	-MASS 765 765	3975.	3975.	5300.	1227.	1200.	-257.	83.	-174.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1388.	1348.	-330.	-63.	-393.
NORHR138	138	-NRTHPT P 138	466.	577.	1577.	112.	102.	-47.	-44.	-91.
HOMER CY	345	-WATRC345 345	755.	927.	0.	407.	404.	54.	11.	65.
BRANCHBG	500	-RAMAPO 5 500	1048.	1373.	0.	681.	443.	517.	-535.	-18.
STLAWR33	220	-STLAWL33 230	300.	498.	0.	1.	0.	-1.	3.	1.
STLAWR34	230	-STLAWL34 230	300.	498.	0.	6.	-1.	-6.	6.	0.
OAKDL345	345	-FRASR345 345	1255.	1380.	1380.	684.	683.	-33.	112.	78.
CLAY	345	-EDIC 345	1033.	1285.	1434.	623.	621.	45.	10.	56.
CLAY	345	-EDIC 345	1033.	1285.	1434.	625.	623.	45.	11.	56.
VOLNEY	345	-MARCY T1 345	1434.	1792.	1912.	764.	754.	121.	-23.	98.
JA FITZP	345	-EDIC 345	1434.	1434.	1912.	768.	760.	110.	15.	125.
MASS 765	765	-MARCY765 765	3975.	3975.	5300.	1388.	1348.	-330.	-63.	-393.
MOSES W	230	-ADRON B1 230	348.	359.	440.	151.	151.	4.	-1.	3.
MOSES W	230	-ADRON B2 230	348.	386.	440.	151.	151.	4.	-1.	3.
EDIC	345	-N.SCOT77 345	1331.	1528.	1724.	948.	944.	85.	217.	302.
PORTER 2	230	-ROTRDM.2 230	440.	505.	560.	275.	275.	9.	58.	67.
PORTER 2	230	-ROTRDM.2 230	439.	505.	560.	283.	283.	8.	60.	69.
MARCY T1	345	-N.SCOT99 345	1487.	1792.	1792.	1041.	1030.	150.	181.	332.
CTNY398	345	-PLTVLLEY 345	1195.	1386.	1685.	427.	-243.	351.	-338.	13.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
COOPC345	345	-N.M.TAP 345	1464.	1793.	1793.	851.	832.	179.	-66.	113.
LEEDS 3	345	-HURLEY 3 345	1395.	1623.	1870.	842.	800.	263.	-181.	82.
LEEDS 3	345	-PLTVLLEY 345	1331.	1538.	1724.	1251.	1195.	372.	-75.	297.
ATHENS	345	-PLTVLLEY 345	1331.	1538.	1724.	1208.	1154.	357.	-75.	282.
SPRBROOK	345	-REACM51 345	774.	866.	1291.	435.	428.	-79.	159.	80.
SPRBROOK	345	-REACM52 345	774.	866.	1291.	435.	428.	-79.	159.	80.
REACM51	345	-W 49 ST 345	774.	866.	1291.	456.	428.	-159.	-112.	-271.
REACM52	345	-W 49 ST 345	774.	866.	1291.	456.	428.	-159.	-112.	-271.
DUNWODIE	345	-REAC71 345	715.	817.	1081.	417.	404.	-105.	178.	73.
DUNWODIE	345	-REAC72 345	715.	817.	1081.	417.	404.	-105.	178.	73.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
REAC71	345	-S. BRONX 345	715.	817.	1081.	442.	404.	-178.	21.	-157.
REAC72	345	-S. BRONX 345	715.	817.	1081.	442.	404.	-178.	21.	-157.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	254.	254.	-8.	-55.	-64.
S. BRONX	345	-RAINEY 345	715.	817.	1081.	254.	254.	-8.	-55.	-64.
** LINE ERROR **			0.	0.	0.	0.	0.	0.	0.	0.
SPRBROOK	345	-REACBUS 345	1243.	1386.	1530.	669.	639.	-196.	196.	0.
DUNWODIE	345	-SHORE RD 345	687.	962.	1512.	512.	506.	-83.	-167.	-250.

PAR FLOW AND ANGLE REPORT

PAR			MW	MVAR	ANGLE	ANGLE RANGE
LINDEN	230	-LIN SHF 230	200.6	-134.6	-5.8	25.0/-25.0
WALDWICK	230	-FAIRL SH 230	299.6	312.4	-31.9	35.0/-35.0
WALDWICK	230	-HAWTH SH 230	281.2	-67.9	-30.0*	30.0/-30.0
WALDWICK	230	-HILLS SH 230	329.5	-123.1	-30.7	32.0/-32.0
STLAWR33	220	-STLAWL33 230	-0.4	-1.3	9.7	40.0/-40.0
STLAWR34	230	-STLAWL34 230	-0.6	-5.6	9.6	40.0/-40.0
FARRAGUT	345	-FARRGUT1 345	-432.1	-122.6	30.0*	30.0/-30.0
FARRAGUT	345	-FARRGUT2 345	-450.8	-120.9	30.0*	30.0/-30.0
GOTHLS N	345	-GOTHLS R 345	-265.4	164.4	-25.0*	25.0/-25.0
RAM PAR	345	-RAMAPO 345	219.5	249.4	24.5	40.0/-40.0
RAM PAR	345	-RAMAPO 345	219.5	249.4	24.5	40.0/-40.0
CORONA-S	138	-CORONA1R 138	33.0	-1.7	25.0*	25.0/-25.0
DUN NO	138	-DUN NO1R 138	64.9	14.7	-19.7	20.0/-20.0
DUN NO	138	-DUN NO2R 138	64.9	15.0	-19.6	20.0/-20.0
DUN SO	138	-DUN SO1R 138	64.6	-0.5	-22.1	25.0/-25.0
DUN SO	138	-DUN SO1R 138	64.6	-0.5	-22.1	25.0/-25.0

CORONA-N 138 -CORONA2R 138	35.1	15.8	25.0*	25.0/-25.0
FRKILLR2 138 -FR-KILLS 138	214.8	-44.9	-2.5	25.0/-25.0
FRKILLSR 138 -FR-KILLS 138	214.7	-41.1	-3.1	25.0/-25.0
GOWNUS1T 138 -GOWNUS1R 138	100.1	-27.2	0.3	25.0/-25.0
GOWNUS2T 138 -GOWNUS2R 138	100.2	-27.5	0.5	25.0/-25.0
ASTE-PAR 138 -ASTE-WRG 138	-219.8	-3.9	8.7	25.0/-25.0
PARK TR1 138 -PARK1REG 138	179.2	41.0	-23.3	25.0/-25.0
PARK TR2 138 -PARK2REG 138	179.2	40.6	-23.4	25.0/-25.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
** LINE ERROR **	0.0	0.0	0.0*	0.0/ 0.0
EGC PAR 345 -E.G.C.-1 345	316.9	33.5	10.0	25.0/-25.0
EGC PAR 345 -E.G.C.-2 345	316.9	33.8	10.1	25.0/-25.0
L SUCSPH 138 -L SUCS 138	-148.2	34.6	-3.6	25.0/-25.0
NRTHPT P 138 -NRTHPT1 138	101.6	44.1	-5.6	50.0/-50.0
V STRM P 138 -VLY STRM 138	-141.9	55.4	-3.1	25.0/-25.0
INGMS-CD 115 -INGHAM-E 115	119.9	-8.3	12.8	20.0/-20.0
PLAT 115 115 -PLAT T#3 115	0.0	0.0	19.4	40.0/-40.0

HVDC LINE FLOW REPORT

LINE NAME	MDC	MW	MVAR
COAL CR4 230 ->DICKNSN3 345*	1	1 -505.1	310.3
COAL CR4 230 ->DICKNSN3 345*	2	1 -505.1	310.3
SQBUTTE4 230* ->ARROWHD4 230	3	2 220.5	135.7
SQBUTTE4 230* ->ARROWHD4 230	4	2 220.5	135.7
RADSNDC6 138* ->DC5 JCT4 230	5	1 819.5	488.5
RADSNDC6 138* ->DC6 JCT4 230	6	1 819.5	488.9
HENDAY 4 230* ->DORSEY 4 230	7	1 931.0	579.3
HENDAY 4 230* ->DORSEY 4 230	8	1 931.0	579.3
MI CTYW4 230 ->MI CTYE4 230*	9	1 -32.0	65.6
SIDNEYW4 230 ->SIDNEY 4 230*	10	0 0.0	0.0
CHAT G 315 ->CHAT G3 120*	11	1 -383.7	248.3
CHAT G2 315 ->CHAT G4 120*	12	1 -383.7	248.3
HIGHGT 120 ->HIGHGATE 115*	13	1 -167.0	87.2
MADAWA 315 ->MADAWANB 345*	14	0 0.0	0.0
EEL34A 34.5 ->EELDC2NB34.5*	15	0 0.0	0.0
EEL34B 34.5 ->EELDC1NB34.5*	16	0 0.0	0.0
RAD3152 315 ->NIC230 230*	17	0 0.0	0.0
RAD3152 315 ->NIC230 230*	18	0 0.0	0.0
RAD3152 315 ->SANDY PD 345*	19	1 -750.0	372.7
RAD3152 315 ->SANDY PD 345*	20	1 -750.0	372.7
CHAT G3 120* ->CHAT G 315	21	0 0.0	0.0
CHAT G4 120* ->CHAT G2 315	22	0 0.0	0.0
MADAWANB 345 ->MADAWA 315*	24	0 0.0	0.0
EELDC2NB34.5 ->EEL34A 34.5*	25	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	27	0 0.0	0.0
OTAWE 81 315 ->OTAWE220 220*	28	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	37	0 0.0	0.0
OTAWE220 220 ->OTAWE 81 315*	38	0 0.0	0.0

LBMP ZONE REPORT

	ZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR	GEN MW	MVAR	INT MW	MVAR
1	WEST	2485.	1036.	0.9229	86.	1220.	4771.	1151.	2200.	-224.
2	GENESEE	1704.	539.	0.9534	62.	459.	579.	-18.	-1187.	232.
3	CENTRAL	2753.	1225.	0.9137	168.	2230.	5423.	1455.	2500.	-419.
4	NORTH	664.	241.	0.9400	16.	259.	1193.	75.	513.	-56.
5	MOHAWK	1054.	364.	0.9451	204.	2603.	630.	358.	-628.	199.
6	CAPITAL	2318.	882.	0.9346	102.	1168.	2746.	1653.	326.	1338.
7	HUDSON	2875.	840.	0.9599	162.	2451.	3130.	1511.	92.	-829.
8	MILLWOOD	876.	282.	0.9518	58.	1385.	2314.	811.	1380.	-235.
9	DUNWOODI	1747.	772.	0.9147	48.	1445.	3.	0.	-1791.	-508.
10	NYC	12488.	5513.	0.9148	171.	5699.	8943.	4971.	-3715.	-481.
11	L ISLAND	6026.	2080.	0.9453	94.	1384.	4180.	1174.	-1940.	396.
	TOTALS	34989.	13776.		1171.	20301.	33911.	13140.	-2251.	-587.

LBMP SUBZONE REPORT

LBMP SUBZONE NAME	LOAD MW	MVAR	PF	LOSS MW	MVAR
NMPC WES 1	1562.0	665.6	0.9200	62.4	801.5
NMPC CEN 2	1571.2	694.7	0.9146	86.2	1378.3
NMPC MVN 3	735.3	211.8	0.9609	196.3	2566.5
NMPC EAS 4	2188.3	826.5	0.9355	97.2	1144.6

NYSEG WE	5	495.4	234.7	0.9037	20.1	253.1
NYSEG CE	6	1107.8	493.9	0.9133	81.9	852.0
NYSEG EA	7	255.3	122.6	0.9014	7.2	36.4
NYSEG HU	8	19.0	7.4	0.9323	0.0	0.0
RG&E	9	1408.8	444.9	0.9536	28.9	342.5
CENT HUD	10	1511.2	401.7	0.9664	116.2	1545.7
O&R	11	1344.7	431.0	0.9523	28.8	332.8
LIPA	12	5999.9	2068.1	0.9454	94.9	1361.9
NYPA WES	13	427.6	136.1	0.9529	3.6	165.9
NYPA NOR	14	499.4	182.9	0.9390	5.4	119.8
CON ED C	15	12488.0	5513.5	0.9148	170.9	5689.6
NYPA B	16	36.7	17.8	0.9000	0.6	1.5
NYPA C	17	74.0	35.9	0.9000	0.0	0.0
NYPA E	18	58.9	28.4	0.9009	0.0	0.0
NYSEG NO	19	98.4	41.9	0.9201	2.3	32.7
NYPA F	20	22.1	10.5	0.9023	0.0	0.2
NYSEG ME	21	107.6	45.2	0.9220	4.7	22.7
NYPA H	22	37.7	21.3	0.8712	4.0	193.2
CON ED N	23	471.3	154.7	0.9501	43.3	1063.4
NYPA I	24	0.0	0.0		0.0	0.0
CON ED C	25	1746.5	771.9	0.9147	46.2	1440.5
NYPA J	26	0.0	0.0		0.0	9.3
NYPA K	27	26.1	11.4	0.9160	0.5	26.1
NYPA G	28	0.0	0.0		0.0	0.0
NMPC GNS	29	258.5	76.8	0.9586	32.3	113.8
NYSEG BR	30	366.6	106.4	0.9604	10.6	128.5
NMPC NTH	31	66.2	16.3	0.9710	8.5	106.1
CE UPNY	32	0.0	0.0		17.5	572.5
CENT H C	33	4.6	1.7	0.9396	0.0	0.0
	34	0.0	0.0		0.0	0.0

SUBSYSTEM LOAD & LOSS MW 34989.2 1170.8

OWNER REPORT

OWNER NAME		LOAD MW	MVAR	PF	LOSS MW	MVAR
CENT HUD	1	1515.8	403.4	0.9664	49.9	708.5
CONED	2	14705.9	6440.1	0.9160	268.9	8392.2
LIPA	3	6026.0	2079.5	0.9453	91.4	1391.3
NYSEG	4	2393.5	1024.6	0.9193	136.9	1618.5
NIMO	5	6170.6	2382.3	0.9329	384.0	4088.4
O&R	6	1344.7	431.0	0.9523	31.7	582.0
NYPA	7	1423.8	569.7	0.9284	182.3	3296.8
RGE	8	1408.8	444.9	0.9536	27.8	325.2

SUBSYSTEM LOAD & LOSS MW 34989.2 1172.7