

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

01/29/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	80.92	130.51	67.33	126.04	66.70	28.75	42.93	111.96	144.61	85.60	71.78	99.96	212.16	157.56	143.63	144.19	111.82	276.50	272.01	222.16	206.50	162.86	138.46	134.49
24138	5.24	7.48	3.54	5.92	3.28	1.31	1.95	3.30	2.60	2.12	3.66	5.79	12.92	9.84	9.72	9.64	8.46	17.52	9.38	7.35	14.49	11.23	8.78	8.48
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.47	-63.54	-105.93	-53.17	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.26	-152.28	-124.98	0.00	0.00	0.00	-4.52
74TH STREET_GT_1	80.85	130.47	67.36	126.13	66.65	28.73	42.99	112.03	144.65	85.62	71.80	99.98	212.17	157.59	143.55	144.10	111.83	276.43	272.04	222.21	206.66	163.04	138.64	134.69
24260	5.18	7.44	3.57	6.01	3.23	1.28	2.00	3.36	2.62	2.13	3.68	5.80	12.94	9.87	9.64	9.56	8.47	17.44	9.38	7.38	14.65	11.41	8.96	8.68
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
74TH STREET_GT_2	80.85	130.47	67.36	126.13	66.65	28.73	42.99	112.03	144.65	85.62	71.80	99.98	212.17	157.59	143.55	144.10	111.83	276.43	272.04	222.21	206.66	163.04	138.64	134.69
24261	5.18	7.44	3.57	6.01	3.23	1.28	2.00	3.36	2.62	2.13	3.68	5.80	12.94	9.87	9.64	9.56	8.47	17.44	9.38	7.38	14.65	11.41	8.96	8.68
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
ADK HUDSON___FALLS	82.54	134.24	69.43	130.46	81.93	101.02	158.88	439.12	1206.09	618.71	224.91	172.42	216.44	159.67	145.77	146.25	113.47	293.87	338.55	260.93	210.91	166.84	141.67	144.49
24011	6.86	11.22	5.63	10.34	5.35	1.76	2.99	4.66	3.61	2.95	5.09	8.00	17.20	11.94	11.85	11.65	10.11	22.29	11.80	9.45	18.91	15.21	11.98	11.76
	0.00	0.00	0.00	0.00	-14.47	-78.99	-126.38	-389.34	-1166.40	-585.45	-166.85	-77.27	0.00	0.00	0.00	0.00	0.00	-60.86	-216.39	-161.65	0.00	0.00	0.00	-11.24
ADK RESOURCE___RCVRY	82.97	134.97	69.79	131.19	82.38	101.77	160.20	442.46	1215.85	623.71	226.75	173.74	217.94	160.54	146.65	147.06	114.15	295.45	339.81	261.82	212.19	168.09	142.56	145.41
23798	7.29	11.94	6.00	11.06	5.69	1.86	3.29	5.13	3.93	3.20	5.58	8.70	18.70	12.82	12.73	12.46	10.79	23.81	12.62	10.13	20.19	16.46	12.87	12.62
	0.00	0.00	0.00	0.00	-14.59	-79.63	-127.40	-392.21	-1175.84	-590.19	-168.20	-77.89	0.00	0.00	0.00	0.00	0.00	-60.92	-216.83	-161.86	0.00	0.00	0.00	-11.30
ADK S GLENS___FALLS	82.54	134.24	69.43	130.46	81.93	101.02	158.88	439.12	1206.09	618.71	224.91	172.42	216.44	159.67	145.77	146.25	113.47	293.87	338.55	260.93	210.91	166.84	141.67	144.49
24028	6.86	11.22	5.63	10.34	5.35	1.76	2.99	4.66	3.61	2.95	5.09	8.00	17.20	11.94	11.85	11.65	10.11	22.29	11.80	9.45	18.91	15.21	11.98	11.76
	0.00	0.00	0.00	0.00	-14.47	-78.99	-126.38	-389.34	-1166.40	-585.45	-166.85	-77.27	0.00	0.00	0.00	0.00	0.00	-60.86	-216.39	-161.65	0.00	0.00	0.00	-11.24
ADK_NYS___DAM	80.88	131.38	67.96	127.61	76.31	78.11	121.95	337.42	875.21	452.25	176.11	148.34	212.57	157.48	143.19	143.33	110.54	285.00	320.43	251.33	205.29	161.76	138.07	139.24
23527	5.20	8.35	4.17	7.48	3.82	1.18	1.79	3.08	2.44	1.97	3.46	5.77	13.33	9.76	9.28	8.73	7.18	15.57	8.30	6.72	13.29	10.14	8.38	8.50
	0.00	0.00	0.00	0.00	-10.38	-56.66	-90.65	-289.22	-836.69	-419.96	-119.68	-55.41	0.00	0.00	0.00	0.00	0.00	-58.71	-201.77	-154.78	0.00	0.00	0.00	-9.25
AIR_PRODUCTS___DRP	78.10	127.09	65.77	123.46	72.15	66.64	103.53	287.90	713.93	370.83	151.00	134.06	203.56	150.51	136.24	136.36	105.48	273.88	308.37	245.83	195.22	154.47	132.72	133.44
24190	2.43	4.06	1.98	3.33	1.64	0.52	0.66	1.10	0.83	0.69	1.19	2.24	4.32	2.78	2.32	1.75	2.12	4.25	2.34	1.83	3.21	2.85	3.03	4.20
	0.00	0.00	0.00	0.00	-8.40	-45.85	-73.35	-241.67	-677.01	-339.82	-96.84	-44.67	0.00	0.00	0.00	0.00	0.00	-58.90	-195.67	-154.17	0.00	0.00	0.00	-7.75
AKWESSNE_115KV_BK	75.39	122.73	63.80	120.76	62.38	20.22	29.43	44.97	36.05	30.43	53.23	86.90	199.69	148.17	133.70	134.62	102.16	207.74	108.37	88.35	189.80	149.99	128.61	119.98
355683	-0.29	-0.30	0.01	0.64	0.28	-0.05	-0.08	-0.16	-0.03	0.12	0.25	-0.24	0.45	0.45	-0.22	0.02	-1.20	-2.98	-1.99	-1.48	-2.20	-1.64	-1.07	-1.52
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	79.18	128.83	66.70	125.26	71.83	58.44	90.01	247.95	579.92	303.75	132.30	126.83	206.84	152.56	138.60	139.57	108.93	280.31	305.12	244.77	202.40	160.08	137.40	137.23
323833	3.50	5.81	2.91	5.14	3.05	1.74	2.17	2.67	2.12	1.54	1.84	3.82	7.60	4.84	4.69	4.96	5.57	12.19	6.44	5.09	10.40	8.45	7.71	8.72
	0.00	0.00	0.00	0.00	-6.67	-36.43	-58.33	-200.15	-541.71	-271.90	-77.49	-35.86	0.00	0.00	0.00	0.00	0.00	-57.40	-188.33	-149.85	0.00	0.00	0.00	-7.02
ALBANY_2_SOLAR	79.16	128.80	66.67	125.24	71.81	58.44	90.01	247.95	579.93	303.76	132.30	126.83	206.83	152.52	138.60	139.57	108.93	280.28	305.12	244.76	202.35	160.02	137.40	137.21
323834	3.49	5.77	2.88	5.11	3.03	1.74	2.17	2.67	2.12	1.53	1.84	3.82	7.60	4.80	4.69	4.96	5.57	12.15	6.43	5.08	10.35	8.40	7.71	8.70
	0.00	0.00	0.00	0.00	-6.67	-36.43	-58.33	-200.16	-541.73	-271.91	-77.49	-35.86	0.00	0.00	0.00	0.00	0.00	-57.40	-188.34	-149.86	0.00	0.00	0.00	-7.02
ALBANY___1	78.10	127.09	65.77	123.46	72.15	66.64	103.53	287.90	713.93	370.83	151.00	134.06	203.56	150.51	136.24	136.36	105.48	273.88	308.37	245.83	195.22	154.47	132.72	133.44
23571	2.43	4.06	1.98	3.33	1.64	0.52	0.66	1.10	0.83	0.69	1.19	2.24	4.32	2.78	2.32	1.75	2.12	4.25	2.34	1.83	3.21	2.85	3.03	4.20
	0.00	0.00	0.00	0.00	-8.40	-45.85	-73.35	-241.67	-677.01	-339.82	-96.84	-44.67	0.00	0.00	0.00	0.00	0.00	-58.90	-195.67	-154.17	0.00	0.00	0.00	-7.75

ALBANY___2 23572	78.10 2.43 0.00	127.09 4.06 0.00	65.77 1.98 0.00	123.46 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.90 1.10 -241.67	713.93 0.83 -677.01	370.83 0.69 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.56 4.32 0.00	150.51 2.78 0.00	136.24 2.32 0.00	136.36 1.75 0.00	105.48 2.12 0.00	273.88 4.25 -58.90	308.37 2.34 -195.67	245.83 1.83 -154.17	195.22 3.21 0.00	154.47 2.85 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
ALBANY___3 23573	78.10 2.43 0.00	127.09 4.06 0.00	65.77 1.98 0.00	123.46 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.90 1.10 -241.67	713.93 0.83 -677.01	370.83 0.69 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.56 4.32 0.00	150.51 2.78 0.00	136.24 2.32 0.00	136.36 1.75 0.00	105.48 2.12 0.00	273.88 4.25 -58.90	308.37 2.34 -195.67	245.83 1.83 -154.17	195.22 3.21 0.00	154.47 2.85 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
ALBANY___4 23574	78.10 2.43 0.00	127.09 4.06 0.00	65.77 1.98 0.00	123.46 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.90 1.10 -241.67	713.93 0.83 -677.01	370.83 0.69 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.56 4.32 0.00	150.51 2.78 0.00	136.24 2.32 0.00	136.36 1.75 0.00	105.48 2.12 0.00	273.88 4.25 -58.90	308.37 2.34 -195.67	245.83 1.83 -154.17	195.22 3.21 0.00	154.47 2.85 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
ALBANY___LFGE 323615	78.82 3.14 0.00	128.16 5.14 0.00	66.32 2.53 0.00	124.46 4.33 0.00	74.49 2.18 -10.21	76.69 0.71 -55.71	119.62 0.98 -89.13	332.32 1.62 -285.58	859.93 1.23 -822.61	444.25 1.04 -412.89	172.47 1.83 -117.67	144.77 3.23 -54.39	205.84 6.61 0.00	152.20 4.48 0.00	138.00 4.09 0.00	138.19 3.59 0.00	106.84 3.47 0.00	277.44 7.24 -59.47	316.41 3.90 -202.16	249.30 3.04 -156.43	197.75 5.75 0.00	156.39 4.77 0.00	134.14 4.46 0.00	135.66 5.30 -8.87
ALCOA_PA_115KV_PL-6C 55860	75.89 0.21 0.00	123.48 0.46 0.00	64.18 0.39 0.00	121.51 1.39 0.00	62.73 0.62 0.00	20.31 0.04 0.00	29.51 0.00 0.00	45.09 -0.04 0.00	36.14 0.06 0.00	30.56 0.25 0.00	53.41 0.44 0.00	87.49 0.33 0.00	201.24 2.00 0.00	149.40 1.67 0.00	134.80 0.88 0.00	135.58 0.98 0.00	102.86 -0.50 0.00	209.27 -1.45 0.00	109.08 -1.27 0.00	88.92 -0.90 0.00	191.20 -0.81 0.00	151.13 -0.49 0.00	129.75 0.06 0.00	121.09 -0.40 0.00
ALCOA_RYNLDS___DRP 24188	75.89 0.21 0.00	123.48 0.46 0.00	64.18 0.39 0.00	121.51 1.39 0.00	62.73 0.62 0.00	20.31 0.04 0.00	29.51 0.00 0.00	45.09 -0.04 0.00	36.14 0.06 0.00	30.56 0.25 0.00	53.41 0.44 0.00	87.49 0.33 0.00	201.24 2.00 0.00	149.40 1.67 0.00	134.80 0.88 0.00	135.58 0.98 0.00	102.86 -0.50 0.00	209.27 -1.45 0.00	109.08 -1.27 0.00	88.92 -0.90 0.00	191.20 -0.81 0.00	151.13 -0.49 0.00	129.75 0.06 0.00	121.09 -0.40 0.00
ALCOA___DSASP 323711	75.89 0.21 0.00	123.49 0.46 0.00	64.18 0.39 0.00	121.51 1.39 0.00	62.74 0.63 0.00	20.32 0.05 0.00	29.51 0.00 0.00	45.09 -0.04 0.00	36.13 0.05 0.00	30.56 0.25 0.00	53.41 0.44 0.00	87.49 0.34 0.00	201.24 2.01 0.00	149.40 1.68 0.00	134.80 0.88 0.00	135.58 0.98 0.00	102.86 -0.50 0.00	209.27 -1.45 0.00	109.10 -1.25 0.00	88.92 -0.90 0.00	191.20 -0.81 0.00	151.13 -0.49 0.00	129.75 0.06 0.00	121.10 -0.39 0.00
ALLEGHENY___COGEN 23514	21.49 -1.57 52.62	50.79 -2.99 69.24	58.05 -1.93 3.81	100.43 -3.83 15.86	55.28 -1.74 5.09	10.52 -0.33 9.43	17.41 -0.49 11.61	71.90 -0.76 -27.53	67.84 -0.63 -32.39	30.99 -0.70 -1.39	57.99 -1.68 -6.70	130.43 -3.27 -46.55	193.77 -6.38 -0.91	274.81 -3.25 -130.34	271.21 -2.62 -139.92	300.22 -2.46 -168.08	211.48 -0.70 -108.82	402.33 1.28 -190.33	273.24 0.72 -162.16	235.54 0.29 -145.42	351.86 0.58 -159.27	262.68 -0.81 -111.87	144.32 -1.33 -15.96	119.94 -2.23 -0.68
ALTAMONT_115KV_TB 2 55880	78.42 2.74 0.00	127.45 4.42 0.00	65.96 2.17 0.00	123.87 3.75 0.00	70.83 1.92 -6.81	58.05 0.62 -37.16	89.89 0.93 -59.45	249.82 1.51 -203.19	585.87 1.17 -548.62	306.62 0.93 -275.37	133.02 1.57 -78.48	126.42 2.76 -36.50	205.09 5.86 0.00	151.77 4.05 0.00	137.94 4.03 0.00	138.35 3.75 0.00	106.92 3.55 0.00	277.07 7.50 -58.85	307.20 4.07 -192.77	246.61 3.20 -153.58	198.24 6.24 0.00	156.67 5.04 0.00	133.93 4.24 0.00	133.20 4.58 -7.12
ALTONA_WT_PWR 323606	76.45 0.77 0.00	124.26 1.23 0.00	64.56 0.77 0.00	122.49 2.37 0.00	63.17 1.07 0.00	20.46 0.18 0.00	29.72 0.21 0.00	45.34 0.22 0.00	36.41 0.33 0.00	30.85 0.53 0.00	53.83 0.86 0.00	87.47 0.32 0.00	199.28 0.04 0.00	148.39 0.66 0.00	134.66 0.74 0.00	134.90 0.29 0.00	102.06 -1.31 0.00	206.90 -3.83 0.00	108.40 -1.96 0.00	88.26 -1.57 0.00	190.19 -1.82 0.00	150.01 -1.62 0.00	127.88 -1.81 0.00	118.81 -2.68 0.00
AMERICAN_REF_FUEL 24010	34.89 -7.94 32.84	67.11 -12.93 42.99	54.36 -7.06 2.36	96.99 -13.18 9.95	52.24 -6.68 3.19	12.34 -2.01 5.92	19.00 -3.21 7.30	34.76 -5.24 5.13	19.84 -4.45 11.79	11.01 -4.06 15.25	30.15 -7.38 15.44	57.65 -12.42 17.08	106.87 -28.64 63.73	91.42 -20.36 35.94	77.90 -19.39 36.63	71.86 -20.58 42.17	59.35 -14.96 29.05	147.28 -27.58 35.86	85.66 -14.36 10.34	67.11 -12.23 10.48	129.14 -24.56 38.30	105.68 -19.35 26.60	111.19 -14.69 3.81	108.90 -13.20 -0.60
ARKWRIGHT___SUMMIT_WT_PWR 323751	27.35 -7.65 40.68	57.62 -12.13 53.27	53.91 -6.95 2.93	94.56 -13.24 12.32	51.37 -6.78 3.95	11.03 -1.92 7.32	17.56 -2.92 9.03	34.58 -4.89 5.66	19.20 -4.03 12.85	8.77 -3.51 18.04	28.60 -6.20 18.17	58.19 -10.26 18.69	99.05 -24.52 75.66	87.35 -17.75 42.63	74.96 -16.65 42.31	73.29 -17.44 43.86	47.94 -12.55 42.87	152.42 -21.43 36.86	89.99 -11.08 9.28	71.27 -9.04 9.52	135.27 -16.84 39.89	110.85 -13.04 27.74	117.11 -8.61 3.96	115.26 -6.90 -0.67
ARTHUR KILL_GT_1 23520	80.20 4.52 0.00	129.10 6.07 0.00	66.90 3.12 0.00	124.88 4.75 0.00	62.27 2.47 2.30	57.26 1.19 -35.80	58.85 1.79 -27.55	101.42 2.89 -53.41	106.78 2.15 -68.55	81.51 1.72 -49.47	58.23 2.97 -2.29	56.07 4.58 35.66	151.22 10.42 58.45	135.30 7.87 20.29	102.52 7.88 39.27	107.98 7.94 34.56	76.96 6.79 33.19	260.46 13.48 -36.25	270.11 7.44 -152.31	220.97 6.14 -125.00	204.34 12.34 0.00	161.74 10.11 0.00	137.71 8.03 0.00	134.35 8.34 -4.52
ARTHUR_KILL_2 23512	79.99 4.32 0.00	128.75 5.72 0.00	66.74 2.95 0.00	124.55 4.43 0.00	62.10 2.30 2.30	57.20 1.13 -35.80	58.76 1.70 -27.55	101.28 2.75 -53.41	106.67 2.04 -68.55	81.42 1.63 -49.47	58.10 2.84 -2.29	55.85 4.36 35.66	150.66 9.87 58.45	134.90 7.47 20.29	102.17 7.53 39.27	107.58 7.54 34.56	76.65 6.47 33.19	259.71 12.73 -36.25	269.74 7.08 -152.31	220.66 5.83 -125.00	203.72 11.72 0.00	161.24 9.61 0.00	137.26 7.57 0.00	133.97 7.95 -4.52
ARTHUR_KILL_3 23513	76.92 4.18 2.94	87.71 5.76 41.07	53.64 2.75 12.89	72.07 4.43 52.49	59.79 2.43 4.74	57.88 1.02 -36.58	59.08 1.60 -27.97	100.89 2.75 -53.02	99.44 2.11 -61.24	81.48 1.70 -49.46	58.17 2.92 -2.29	56.06 4.56 35.65	150.79 10.00 58.44	135.04 7.60 20.28	102.35 7.70 39.26	107.67 7.63 34.56	75.03 7.01 35.35	243.72 14.40 -18.59	88.90 7.81 29.27	169.94 6.17 -73.94	131.30 11.97 72.67	110.68 9.39 50.34	116.36 7.14 20.47	132.82 7.04 -4.29

ARTHUR_KILL_COGEN 323718	80.20 4.52 0.00	129.10 6.07 0.00	66.90 3.12 0.00	124.88 4.75 0.00	62.27 2.47 2.30	57.26 1.19 -35.80	58.85 1.79 -27.55	101.42 2.89 -53.41	106.78 2.15 -68.55	81.51 1.72 -49.47	58.23 2.97 -2.29	56.07 4.58 35.66	151.22 10.42 58.45	135.30 7.87 20.29	102.52 7.88 39.27	107.98 7.94 34.56	76.96 6.79 33.19	260.46 13.48 -36.25	270.11 7.44 -152.31	220.97 6.14 -125.00	204.34 12.34 0.00	161.74 10.11 0.00	137.71 8.03 0.00	134.35 8.34 -4.52
ASHOKAN____ 23654	80.76 5.08 0.00	130.96 7.94 0.00	67.70 3.91 0.00	127.06 6.94 0.00	70.48 3.62 -4.75	47.47 1.26 -25.94	72.79 1.77 -41.51	198.20 2.54 -150.53	422.00 2.07 -383.85	224.48 1.50 -192.67	110.16 2.28 -54.91	117.40 4.84 -25.41	208.53 9.30 0.00	156.52 8.79 0.00	140.51 6.59 0.00	141.54 6.99 0.05	110.59 7.23 0.00	279.39 14.78 -53.89	292.56 7.55 -174.65	236.31 6.16 -140.33	205.64 13.64 0.00	162.21 10.58 0.00	138.39 8.70 0.00	136.19 8.61 -6.10
ASTORIA_EAST_ENERGY_CC1 323581	80.10 4.42 0.00	128.99 5.96 0.00	66.69 2.90 0.00	124.58 4.46 0.00	65.93 2.51 -1.31	28.53 1.08 -7.17	42.72 1.73 -11.48	111.68 3.01 -63.55	144.32 2.29 -105.95	85.35 1.86 -53.18	71.36 3.24 -15.15	99.11 4.94 -7.02	210.45 11.21 0.00	156.08 8.35 0.00	142.19 8.27 0.00	142.88 8.33 0.06	110.79 7.43 0.00	274.09 15.09 -48.27	270.89 8.23 -152.31	221.43 6.60 -125.00	204.83 12.83 0.00	161.70 10.07 0.00	137.58 7.90 0.00	133.84 7.83 -4.52
ASTORIA_EAST_ENERGY_CC2 323582	80.10 4.42 0.00	128.99 5.96 0.00	66.69 2.90 0.00	124.58 4.46 0.00	65.93 2.51 -1.31	28.53 1.08 -7.17	42.72 1.73 -11.48	111.68 3.01 -63.55	144.32 2.29 -105.95	85.35 1.86 -53.18	71.36 3.24 -15.15	99.11 4.94 -7.02	210.45 11.21 0.00	156.08 8.35 0.00	142.19 8.27 0.00	142.88 8.33 0.06	110.79 7.43 0.00	274.09 15.09 -48.27	270.89 8.23 -152.31	221.43 6.60 -125.00	204.83 12.83 0.00	161.70 10.07 0.00	137.58 7.90 0.00	133.84 7.83 -4.52
ASTORIA_GT2_1 24094	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT2_2 24095	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT2_3 24096	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT2_4 24097	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT3_1 24098	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT3_2 24099	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT3_3 24100	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT3_4 24101	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT4_1 24102	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT4_2 24103	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT4_3 24104	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52

ASTORIA_GT4_4 24105	80.10 4.42 0.00	129.07 6.04 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.96 2.54 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.55	144.34 2.32 -105.95	85.38 1.88 -53.18	71.39 3.27 -15.15	99.17 5.00 -7.02	210.53 11.29 0.00	156.25 8.53 0.00	142.25 8.34 0.00	142.92 8.37 0.06	110.88 7.52 0.00	274.18 15.18 -48.27	270.95 8.28 -152.31	221.49 6.66 -125.00	205.01 13.01 0.00	161.85 10.22 0.00	137.67 7.98 0.00	133.91 7.89 -4.52
ASTORIA_GT_1 23523	80.28 4.61 0.00	129.29 6.26 0.00	66.84 3.05 0.00	124.84 4.72 0.00	66.06 2.64 -1.31	28.57 1.13 -7.17	42.79 1.81 -11.48	111.80 3.12 -63.55	144.42 2.39 -105.95	85.43 1.94 -53.18	71.50 3.38 -15.15	99.33 5.16 -7.02	210.95 11.71 0.00	156.47 8.75 0.00	142.52 8.61 0.00	143.23 8.69 0.06	111.08 7.72 0.00	274.65 15.66 -48.27	271.20 8.54 -152.31	221.67 6.84 -125.00	205.36 13.35 0.00	162.14 10.51 0.00	137.92 8.23 0.00	134.14 8.13 -4.52
ASTORIA_GT_10 24110	80.41 4.73 0.00	129.65 6.62 0.00	66.93 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.58 1.14 -7.17	42.78 1.80 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.97 11.73 0.00	156.70 8.98 0.00	142.72 8.80 0.00	143.30 8.76 0.06	111.03 7.67 0.00	274.74 15.74 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.19 13.19 0.00	161.99 10.36 0.00	137.74 8.05 0.00	133.98 7.97 -4.52
ASTORIA_GT_11 24225	80.41 4.73 0.00	129.65 6.62 0.00	66.93 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.58 1.14 -7.17	42.78 1.80 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.97 11.73 0.00	156.70 8.98 0.00	142.72 8.80 0.00	143.30 8.76 0.06	111.03 7.67 0.00	274.74 15.74 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.19 13.19 0.00	161.99 10.36 0.00	137.74 8.05 0.00	133.98 7.97 -4.52
ASTORIA_GT_12 24226	80.41 4.73 0.00	129.65 6.62 0.00	66.93 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.58 1.14 -7.17	42.78 1.80 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.97 11.73 0.00	156.70 8.98 0.00	142.72 8.80 0.00	143.30 8.76 0.06	111.03 7.67 0.00	274.74 15.74 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.19 13.19 0.00	161.99 10.36 0.00	137.74 8.05 0.00	133.98 7.97 -4.52
ASTORIA_GT_13 24227	80.41 4.73 0.00	129.65 6.62 0.00	66.93 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.58 1.14 -7.17	42.78 1.80 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.97 11.73 0.00	156.70 8.98 0.00	142.72 8.80 0.00	143.30 8.76 0.06	111.03 7.67 0.00	274.74 15.74 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.19 13.19 0.00	161.99 10.36 0.00	137.74 8.05 0.00	133.98 7.97 -4.52
ASTORIA_GT_5 24106	80.25 4.57 0.00	129.28 6.25 0.00	66.84 3.05 0.00	124.88 4.75 0.00	66.07 2.64 -1.31	28.57 1.12 -7.17	42.79 1.81 -11.48	111.79 3.12 -63.55	144.42 2.39 -105.95	85.44 1.95 -53.18	71.51 3.38 -15.15	99.34 5.17 -7.02	210.93 11.69 0.00	156.55 8.82 0.00	142.51 8.59 0.00	143.19 8.65 0.06	111.11 7.74 0.00	274.63 15.63 -48.27	271.18 8.51 -152.31	221.67 6.85 -125.00	205.41 13.40 0.00	162.18 10.55 0.00	137.93 8.24 0.00	134.15 8.14 -4.52
ASTORIA_GT_7 24107	80.25 4.57 0.00	129.28 6.25 0.00	66.84 3.05 0.00	124.88 4.75 0.00	66.07 2.64 -1.31	28.57 1.12 -7.17	42.79 1.81 -11.48	111.79 3.12 -63.55	144.42 2.39 -105.95	85.44 1.95 -53.18	71.51 3.38 -15.15	99.34 5.17 -7.02	210.93 11.69 0.00	156.55 8.82 0.00	142.51 8.59 0.00	143.19 8.65 0.06	111.11 7.74 0.00	274.63 15.63 -48.27	271.18 8.51 -152.31	221.67 6.85 -125.00	205.41 13.40 0.00	162.18 10.55 0.00	137.93 8.24 0.00	134.15 8.14 -4.52
ASTORIA_GT_8 24108	80.25 4.57 0.00	129.28 6.25 0.00	66.84 3.05 0.00	124.88 4.75 0.00	66.07 2.64 -1.31	28.57 1.12 -7.17	42.79 1.81 -11.48	111.79 3.12 -63.55	144.42 2.39 -105.95	85.44 1.95 -53.18	71.51 3.38 -15.15	99.34 5.17 -7.02	210.93 11.69 0.00	156.55 8.82 0.00	142.51 8.59 0.00	143.19 8.65 0.06	111.11 7.74 0.00	274.63 15.63 -48.27	271.18 8.51 -152.31	221.67 6.85 -125.00	205.41 13.40 0.00	162.18 10.55 0.00	137.93 8.24 0.00	134.15 8.14 -4.52
ASTORIA___2 24149	80.14 4.46 0.00	129.07 6.05 0.00	66.72 2.93 0.00	124.67 4.54 0.00	65.95 2.53 -1.31	28.54 1.09 -7.17	42.75 1.76 -11.48	111.71 3.03 -63.55	144.35 2.32 -105.95	85.37 1.88 -53.18	71.40 3.28 -15.15	99.15 4.98 -7.02	210.55 11.31 0.00	156.17 8.45 0.00	142.26 8.34 0.00	142.96 8.42 0.06	110.84 7.48 0.00	274.22 15.22 -48.27	270.95 8.29 -152.31	221.48 6.65 -125.00	204.94 12.93 0.00	161.83 10.20 0.00	137.65 7.97 0.00	133.90 7.89 -4.52
ASTORIA___3 23516	80.43 4.75 0.00	129.65 6.62 0.00	66.94 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.59 1.14 -7.17	42.78 1.79 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.96 11.73 0.00	156.61 8.88 0.00	142.72 8.81 0.00	143.33 8.79 0.06	111.01 7.65 0.00	274.84 15.85 -48.27	271.21 8.54 -152.31	221.59 6.76 -125.00	205.13 13.13 0.00	161.96 10.33 0.00	137.72 8.04 0.00	133.97 7.96 -4.52
ASTORIA___4 23517	80.41 4.73 0.00	129.65 6.62 0.00	66.93 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.58 1.14 -7.17	42.78 1.80 -11.48	111.73 3.06 -63.55	144.38 2.35 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.95 11.72 0.00	156.70 8.98 0.00	142.72 8.80 0.00	143.30 8.76 0.06	111.03 7.67 0.00	274.74 15.74 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.19 13.19 0.00	161.99 10.36 0.00	137.74 8.05 0.00	133.98 7.97 -4.52
ASTORIA___5 23518	80.43 4.75 0.00	129.65 6.62 0.00	66.94 3.15 0.00	125.18 5.05 0.00	66.15 2.73 -1.31	28.59 1.14 -7.17	42.78 1.79 -11.48	111.73 3.06 -63.55	144.39 2.36 -105.95	85.41 1.92 -53.18	71.42 3.30 -15.15	99.32 5.15 -7.02	210.98 11.74 0.00	156.61 8.88 0.00	142.72 8.81 0.00	143.33 8.79 0.06	111.01 7.65 0.00	274.84 15.85 -48.27	271.21 8.54 -152.31	221.59 6.76 -125.00	205.13 13.13 0.00	161.96 10.33 0.00	137.72 8.04 0.00	133.97 7.96 -4.52
AST_ENERGY_2_CC3 323677	80.03 4.35 0.00	129.07 6.04 0.00	66.67 2.88 0.00	124.77 4.65 0.00	65.99 2.57 -1.31	28.51 1.06 -7.17	42.65 1.66 -11.48	111.52 2.85 -63.54	144.22 2.20 -105.94	85.27 1.79 -53.17	71.24 3.12 -15.15	99.01 4.84 -7.02	209.76 10.52 0.00	155.86 8.14 0.00	142.11 8.19 0.00	142.70 8.16 0.06	110.79 7.43 0.00	274.35 15.36 -48.27	270.92 8.27 -152.29	221.36 6.54 -124.99	204.68 12.68 0.00	161.56 9.93 0.00	137.35 7.66 0.00	133.52 7.51 -4.52
AST_ENERGY_2_CC4 323678	80.03 4.35 0.00	129.07 6.04 0.00	66.67 2.88 0.00	124.77 4.65 0.00	65.99 2.57 -1.31	28.51 1.06 -7.17	42.65 1.66 -11.48	111.52 2.85 -63.54	144.22 2.20 -105.94	85.27 1.79 -53.17	71.24 3.12 -15.15	99.01 4.84 -7.02	209.76 10.52 0.00	155.86 8.14 0.00	142.11 8.19 0.00	142.70 8.16 0.06	110.79 7.43 0.00	274.35 15.36 -48.27	270.92 8.27 -152.29	221.36 6.54 -124.99	204.68 12.68 0.00	161.56 9.93 0.00	137.35 7.66 0.00	133.52 7.51 -4.52

ATHENS_STG_1 23668	78.80 3.12 0.00	127.87 4.84 0.00	66.13 2.34 0.00	124.09 3.97 0.00	65.12 2.06 -0.95	26.20 0.72 -5.21	39.00 1.15 -8.34	105.00 1.92 -57.95	114.54 1.46 -76.99	70.14 1.18 -38.65	66.00 2.01 -11.01	95.63 3.38 -5.11	206.39 7.16 0.00	153.00 5.27 0.00	139.18 5.27 0.00	139.61 5.07 0.05	108.00 4.64 0.00	273.36 9.71 -52.93	281.76 5.29 -166.11	230.94 4.19 -136.92	200.12 8.11 0.00	158.07 6.44 0.00	134.87 5.18 0.00	131.48 5.23 -4.76
ATHENS_STG_2 23670	78.80 3.12 0.00	127.87 4.84 0.00	66.13 2.34 0.00	124.09 3.97 0.00	65.12 2.06 -0.95	26.20 0.72 -5.21	39.00 1.15 -8.34	105.00 1.92 -57.95	114.54 1.46 -76.99	70.14 1.18 -38.65	66.00 2.01 -11.01	95.63 3.38 -5.11	206.39 7.16 0.00	153.00 5.27 0.00	139.18 5.27 0.00	139.61 5.07 0.05	108.00 4.64 0.00	273.36 9.71 -52.93	281.76 5.29 -166.11	230.94 4.19 -136.92	200.12 8.11 0.00	158.07 6.44 0.00	134.87 5.18 0.00	131.48 5.23 -4.76
ATHENS_STG_3 23677	78.80 3.12 0.00	127.87 4.84 0.00	66.13 2.34 0.00	124.09 3.97 0.00	65.12 2.06 -0.95	26.20 0.72 -5.21	39.00 1.15 -8.34	105.00 1.92 -57.95	114.54 1.46 -76.99	70.14 1.18 -38.65	66.00 2.01 -11.01	95.63 3.38 -5.11	206.39 7.16 0.00	153.00 5.27 0.00	139.18 5.27 0.00	139.61 5.07 0.05	108.00 4.64 0.00	273.36 9.71 -52.93	281.76 5.29 -166.11	230.94 4.19 -136.92	200.12 8.11 0.00	158.07 6.44 0.00	134.87 5.18 0.00	131.48 5.23 -4.76
AUBURN___LFGE 323710	88.51 -0.66 -13.49	139.69 -1.58 -18.25	64.06 -0.74 -1.00	122.45 -1.62 -3.95	62.61 -0.77 -1.27	22.49 -0.13 -2.35	32.14 -0.26 -2.89	50.21 -0.32 -5.41	36.95 -0.31 -1.18	34.29 -0.37 -4.34	56.31 -0.72 -4.06	87.61 -1.28 -1.75	214.84 -2.85 -18.46	147.15 -2.04 -1.47	133.43 -1.50 -1.02	133.09 -1.54 -0.03	103.59 -0.65 -0.87	216.36 -0.48 -6.12	130.11 0.03 -19.73	105.52 -0.15 -15.85	191.25 -0.85 -0.09	150.58 -1.05 0.00	128.66 -1.02 0.00	121.38 -0.61 -0.50
BABYLON_RES_REC 323704	93.00 6.05 -11.28	131.83 8.80 0.00	67.94 4.15 0.00	127.20 7.08 0.00	67.09 3.67 -1.31	32.02 1.49 -10.27	47.65 2.34 -15.80	112.50 3.86 -63.53	144.85 2.86 -105.91	85.84 2.37 -53.16	72.28 4.17 -15.15	100.31 6.14 -7.02	213.02 13.78 0.00	157.62 9.90 0.00	142.90 8.98 0.00	143.54 9.00 0.06	112.74 8.78 -0.59	275.12 16.14 -48.25	271.69 9.08 -152.25	221.93 7.15 -124.96	206.93 14.93 0.00	163.08 11.45 0.00	139.85 10.16 0.00	135.92 9.91 -4.52
BABYLON__69_KV_BK2 356345	93.87 6.91 -11.28	133.22 10.19 0.00	68.64 4.85 0.00	128.53 8.40 0.00	67.76 4.34 -1.31	32.26 1.73 -10.27	48.00 2.68 -15.80	113.05 4.40 -63.53	145.24 3.25 -105.91	86.20 2.72 -53.16	72.88 4.76 -15.15	101.22 7.05 -7.02	215.08 15.84 0.00	159.26 11.53 0.00	145.01 11.09 0.00	145.72 11.17 0.06	114.86 10.90 -0.59	280.05 21.07 -48.25	274.22 11.62 -152.25	223.76 8.98 -124.96	211.08 19.08 0.00	165.98 14.35 0.00	141.43 11.74 0.00	137.41 11.40 -4.52
BALL_HILL_WT_PWR 323825	30.98 -6.79 37.91	62.54 -10.85 49.64	54.90 -6.16 2.73	96.95 -11.69 11.48	52.50 -5.92 3.68	11.72 -1.73 6.82	18.38 -2.71 8.42	32.90 -4.46 7.77	16.80 -3.72 15.56	8.30 -3.41 18.61	27.74 -6.09 19.14	54.39 -10.17 22.59	98.03 -23.49 77.72	81.62 -16.65 49.45	67.81 -15.55 50.56	60.81 -16.39 57.41	50.53 -11.71 41.12	138.16 -20.87 51.69	78.27 -10.93 21.16	60.42 -9.19 20.22	121.58 -17.82 52.60	101.11 -13.85 36.66	114.44 -10.01 5.23	113.63 -8.51 -0.65
BARON_WINDS___WT_PWR 323822	4.06 -6.08 65.54	26.93 -10.11 85.99	53.54 -5.52 4.73	89.50 -10.81 19.81	50.63 -5.49 5.99	8.84 -1.63 9.80	15.65 -2.47 11.39	4.10 -3.72 37.31	-5.56 -2.92 38.73	-10.43 -2.60 38.14	-6.00 -4.75 54.22	-16.93 -7.65 96.43	-35.07 -17.40 216.90	-98.45 -10.68 235.49	-120.88 -8.60 246.20	-157.79 -8.49 283.90	-95.73 -6.42 192.67	-95.47 -11.91 294.28	-94.52 -6.19 198.68	-95.47 -5.02 180.28	-87.33 -11.47 267.86	-45.59 -9.84 187.37	94.34 -8.61 26.74	115.59 -6.93 -1.03
BARRETT_IC_1 23704	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_10 23701	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_11 23702	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_12 23703	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_2 23705	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_3 23706	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_4 23707	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52

BARRETT_IC_5 23708	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_6 23709	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_7 23710	91.77 4.81 -11.28	130.04 7.02 0.00	67.14 3.35 0.00	125.70 5.58 0.00	66.38 2.96 -1.31	31.67 1.14 -10.27	47.08 1.76 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.49 3.37 -15.15	99.23 5.06 -7.02	209.98 10.74 0.00	155.76 8.04 0.00	142.26 8.34 0.00	142.49 7.95 0.06	111.58 7.62 -0.59	274.22 15.25 -48.25	271.03 8.42 -152.25	221.24 6.46 -124.96	205.29 13.28 0.00	161.70 10.07 0.00	137.63 7.94 0.00	133.94 7.92 -4.52
BARRETT_IC_8 23711	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT_IC_9 23700	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT___1 23545	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BARRETT___2 23546	91.79 4.83 -11.28	130.06 7.04 0.00	67.14 3.35 0.00	125.69 5.57 0.00	66.39 2.96 -1.31	31.68 1.14 -10.27	47.09 1.77 -15.80	111.60 2.95 -63.53	144.20 2.20 -105.91	85.30 1.83 -53.16	71.48 3.36 -15.15	99.22 5.05 -7.02	210.01 10.78 0.00	155.71 7.99 0.00	142.29 8.38 0.00	142.54 8.00 0.06	111.57 7.61 -0.59	274.25 15.27 -48.25	271.05 8.45 -152.25	221.23 6.45 -124.96	205.21 13.21 0.00	161.68 10.06 0.00	137.63 7.94 0.00	133.94 7.93 -4.52
BATAVIA__115KV_TB1 55881	43.18 -4.37 28.12	79.08 -7.12 36.82	57.69 -4.08 2.03	104.17 -7.43 8.52	55.75 -3.62 2.73	14.24 -0.97 5.06	21.72 -1.55 6.25	39.46 -2.67 3.00	25.13 -2.33 8.63	15.83 -2.16 12.32	36.43 -4.18 12.36	67.69 -6.93 12.53	131.07 -16.47 51.69	110.10 -12.14 25.47	97.29 -10.86 25.76	94.24 -11.45 28.90	74.80 -8.14 20.42	174.55 -13.08 23.09	101.76 -6.63 1.97	80.86 -6.12 2.85	153.14 -12.39 26.48	123.31 -9.94 18.38	119.70 -7.35 2.63	115.39 -6.66 -0.55
BAYONEEC___CTG1 323682	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG10 323750	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG2 323683	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG3 323684	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG4 323685	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG5 323686	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG6 323687	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52

BAYONEEC___CTG7 323688	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG8 323689	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BAYONEEC___CTG9 323749	80.26 4.58 0.00	129.46 6.44 0.00	66.88 3.09 0.00	125.21 5.08 0.00	66.19 2.77 -1.31	28.58 1.13 -7.17	42.73 1.75 -11.48	111.64 2.98 -63.54	144.33 2.30 -105.94	85.35 1.87 -53.17	71.34 3.22 -15.15	99.18 5.01 -7.02	210.29 11.06 0.00	156.13 8.41 0.00	142.35 8.43 0.00	142.93 8.39 0.06	110.91 7.55 0.00	274.48 15.48 -48.27	271.05 8.40 -152.29	221.45 6.63 -124.99	204.97 12.96 0.00	161.83 10.20 0.00	137.58 7.89 0.00	133.71 7.70 -4.52
BEACON___LESR 323632	79.33 3.65 0.00	129.10 6.07 0.00	66.73 2.94 0.00	125.31 5.18 0.00	72.95 2.52 -8.32	66.55 0.87 -45.41	103.37 1.21 -72.66	286.83 1.99 -239.71	708.26 1.57 -670.60	368.18 1.26 -336.60	150.95 2.05 -95.93	135.26 3.82 -44.29	206.33 7.09 0.00	152.98 5.25 0.00	138.45 4.54 0.00	138.67 4.06 0.00	107.55 4.18 0.00	278.60 9.03 -58.85	310.82 4.88 -195.58	247.74 3.86 -154.06	199.58 7.58 0.00	157.81 6.18 0.00	135.24 5.56 0.00	135.56 6.31 -7.76
BEAVER RIVER___HYD 24048	75.41 -0.27 0.00	122.73 -0.30 0.00	63.65 -0.15 0.00	119.47 -0.65 0.00	61.40 -0.71 0.00	20.00 -0.28 0.00	29.27 -0.24 0.00	45.87 -0.38 -1.12	35.90 -0.18 0.00	30.33 0.02 0.00	53.04 0.07 0.00	86.59 -0.56 0.00	198.23 -1.01 0.00	145.90 -1.82 0.00	132.65 -1.26 0.00	132.58 -2.02 0.00	102.20 -1.16 0.00	212.12 -0.36 -1.76	115.46 -0.15 -5.25	95.26 0.93 -4.50	195.68 3.67 0.00	154.89 3.26 0.00	130.96 1.28 0.00	121.90 0.27 -0.14
BEEBEE_GT_13 23619	51.32 -3.72 20.64	89.88 -6.11 27.04	58.91 -3.39 1.49	107.36 -6.51 6.25	56.95 -3.15 2.00	15.69 -0.87 3.71	23.57 -1.36 4.58	44.47 -2.35 -1.70	32.25 -1.98 1.85	21.72 -1.80 6.79	43.25 -3.37 6.35	78.76 -5.65 2.75	157.19 -13.06 28.99	135.76 -9.65 2.31	123.58 -8.74 1.60	125.52 -9.27 -0.20	95.44 -6.56 1.37	205.45 -11.14 -5.87	121.73 -5.60 -16.97	99.87 -5.02 -15.07	181.34 -10.52 0.14	143.19 -8.44 0.00	123.14 -6.54 0.00	116.23 -5.75 -0.48
BENSHRST_27_KV_BENSHRST_1 355998	81.07 5.40 0.00	130.57 7.54 0.00	67.51 3.72 0.00	126.18 6.06 0.00	69.66 3.25 -4.30	57.44 1.36 -35.80	59.16 2.10 -27.55	112.29 3.47 -63.69	144.91 2.64 -106.19	103.67 2.15 -71.21	84.02 3.71 -27.34	100.00 5.81 -7.03	212.49 13.20 -0.06	157.71 9.99 0.00	143.68 9.76 0.00	144.34 9.79 0.06	111.61 8.25 0.00	275.39 16.40 -48.27	271.60 8.93 -152.31	222.00 7.17 -125.00	206.33 14.33 0.00	163.18 11.55 0.00	138.82 9.13 0.00	135.24 9.23 -4.52
BETHLEHEM___GRP 23843	78.10 2.43 0.00	127.09 4.06 0.00	65.77 1.98 0.00	123.46 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.90 1.10 -241.67	713.93 0.83 -677.01	370.83 0.69 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.56 4.32 0.00	150.51 2.78 0.00	136.24 2.32 0.00	136.36 1.75 0.00	105.48 2.12 0.00	273.88 4.25 -58.90	308.37 2.34 -195.67	245.83 1.83 -154.17	195.22 3.21 0.00	154.47 2.85 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
BETHLEHEM___GS1 323560	78.12 2.44 0.00	127.10 4.07 0.00	65.77 1.99 0.00	123.45 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.89 1.09 -241.67	713.93 0.83 -677.01	370.83 0.70 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.57 4.33 0.00	150.48 2.76 0.00	136.23 2.31 0.00	136.40 1.80 0.00	105.48 2.11 0.00	273.89 4.26 -58.90	308.38 2.35 -195.67	245.83 1.84 -154.17	195.21 3.21 0.00	154.45 2.83 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
BETHLEHEM___GS2 323561	78.12 2.44 0.00	127.10 4.07 0.00	65.77 1.99 0.00	123.45 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.89 1.09 -241.67	713.93 0.83 -677.01	370.83 0.70 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.57 4.33 0.00	150.48 2.76 0.00	136.23 2.31 0.00	136.40 1.80 0.00	105.48 2.11 0.00	273.89 4.26 -58.90	308.38 2.35 -195.67	245.83 1.84 -154.17	195.21 3.21 0.00	154.45 2.83 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
BETHLEHEM___GS3 323562	78.12 2.44 0.00	127.10 4.07 0.00	65.77 1.99 0.00	123.45 3.33 0.00	72.15 1.64 -8.40	66.64 0.52 -45.85	103.53 0.66 -73.35	287.89 1.09 -241.67	713.93 0.83 -677.01	370.83 0.70 -339.82	151.00 1.19 -96.84	134.06 2.24 -44.67	203.57 4.33 0.00	150.48 2.76 0.00	136.23 2.31 0.00	136.40 1.80 0.00	105.48 2.11 0.00	273.89 4.26 -58.90	308.38 2.35 -195.67	245.83 1.84 -154.17	195.21 3.21 0.00	154.45 2.83 0.00	132.72 3.03 0.00	133.44 4.20 -7.75
BETHLEHEM___STEEL 23779	31.89 -6.34 37.45	63.67 -10.33 49.02	55.28 -5.82 2.70	97.90 -10.87 11.35	53.05 -5.42 3.64	11.97 -1.57 6.74	18.71 -2.49 8.32	33.76 -4.25 7.11	17.77 -3.61 14.70	9.01 -3.26 18.04	28.52 -5.97 18.48	55.84 -9.98 21.33	101.16 -22.67 75.40	85.69 -16.25 45.78	72.27 -14.80 46.84	65.48 -15.50 53.62	55.00 -11.39 36.97	142.92 -20.15 47.64	81.80 -10.45 18.10	63.24 -9.11 17.48	124.58 -18.38 49.05	103.28 -14.17 34.17	114.32 -10.49 4.88	113.18 -8.96 -0.65
BETHLHEM_115KV_TB1 79974	78.14 2.47 0.00	127.12 4.10 0.00	65.78 2.00 0.00	123.47 3.35 0.00	72.19 1.68 -8.40	66.65 0.53 -45.85	103.55 0.69 -73.35	287.94 1.14 -241.67	713.97 0.87 -677.01	370.86 0.73 -339.82	151.07 1.25 -96.84	134.02 2.34 -44.53	203.74 4.51 0.00	150.70 2.98 0.00	136.54 2.62 0.00	136.71 2.10 0.00	105.75 2.39 0.00	274.41 4.83 -58.86	307.84 2.65 -194.83	245.83 2.07 -153.94	195.78 3.78 0.00	154.85 3.22 0.00	132.92 3.23 0.00	133.31 4.24 -7.59
BETHPAGE_CC_5 323564	92.37 5.41 -11.28	130.80 7.78 0.00	67.44 3.65 0.00	126.24 6.12 0.00	66.64 3.22 -1.31	31.87 1.33 -10.27	47.41 2.10 -15.80	112.14 3.49 -63.53	144.60 2.60 -105.91	85.61 2.14 -53.16	71.86 3.74 -15.15	99.78 5.61 -7.02	211.81 12.58 0.00	156.84 9.12 0.00	143.00 9.09 0.00	143.60 9.06 0.06	112.75 8.80 -0.59	276.14 17.16 -48.25	272.06 9.46 -152.25	222.04 7.26 -124.96	207.01 15.01 0.00	162.95 11.32 0.00	138.77 9.08 0.00	134.91 8.90 -4.52
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	31.41 -6.06 38.21	63.12 -9.89 50.02	55.46 -5.58 2.75	98.08 -10.46 11.58	53.16 -5.23 3.71	11.89 -1.50 6.88	18.65 -2.37 8.49	34.44 -4.06 6.62	18.53 -3.46 14.10	9.21 -3.14 17.96	28.92 -5.74 18.31	57.11 -9.56 20.47	102.46 -21.64 75.14	88.82 -15.49 43.42	75.52 -14.07 44.32	69.24 -14.80 50.56	57.52 -10.84 35.00	147.49 -18.97 44.26	85.20 -9.86 15.29	66.20 -8.67 14.95	128.40 -17.42 46.19	106.13 -13.34 32.16	115.31 -9.78 4.59	113.79 -8.36 -0.66

BINGHAMTON___COGEN 23790	60.83 -1.05 13.81	107.09 -1.79 14.15	61.97 -1.04 0.78	112.72 -2.31 5.10	59.90 -1.15 1.05	20.13 -0.30 -0.15	30.47 -0.40 -1.35	67.10 -0.56 -22.53	81.20 -0.43 -45.54	47.90 -0.49 -18.08	53.53 -1.00 -1.56	86.66 -1.37 -0.88	172.12 -3.48 23.63	143.59 -2.25 1.89	131.10 -1.52 1.30	132.47 -1.66 0.47	101.35 -0.85 1.16	225.13 -1.11 -15.52	158.67 -0.52 -48.82	129.57 -0.46 -40.20	190.55 -1.34 0.12	150.37 -1.26 0.00	128.46 -1.23 0.00	122.32 -0.70 -1.53
BIXINCNT_115KV_LOAD 355685	26.89 -6.40 42.39	57.28 -10.26 55.49	55.22 -5.52 3.05	95.82 -11.46 12.84	51.79 -6.20 4.12	10.91 -1.73 7.63	17.58 -2.52 9.42	36.81 -4.21 4.10	21.29 -3.85 10.94	9.22 -3.53 17.57	29.46 -6.08 17.43	61.20 -10.01 15.94	103.05 -22.25 73.93	101.16 -16.09 30.48	88.66 -14.68 30.58	84.58 -15.65 34.37	68.75 -11.29 23.32	165.73 -18.58 26.41	100.50 -9.18 0.67	79.39 -8.64 1.80	142.89 -18.11 31.01	118.35 -11.77 21.51	118.99 -7.62 3.07	116.44 -5.75 -0.70
BLACK RIVER___HYD 24047	75.57 -0.11 0.00	122.81 -0.22 0.00	63.53 -0.26 0.00	119.16 -0.97 0.00	61.34 -0.77 0.00	20.06 -0.22 0.00	29.42 -0.09 0.00	46.58 -0.14 -1.59	36.14 0.05 0.00	30.43 0.12 0.00	53.04 0.08 0.00	86.53 -0.61 0.00	197.46 -1.78 0.00	145.11 -2.61 0.00	132.15 -1.76 0.00	132.51 -2.09 0.00	102.86 -0.50 0.00	215.22 2.05 -2.45	118.81 1.12 -7.33	98.29 2.18 -6.28	198.20 6.19 0.00	156.16 4.53 0.00	131.55 1.86 0.00	122.51 0.82 -0.20
BLACKRVR_115KV_TB2 79977	75.57 -0.11 0.00	122.80 -0.22 0.00	63.53 -0.27 0.00	119.16 -0.97 0.00	61.33 -0.77 0.00	20.05 -0.22 0.00	29.42 -0.09 0.00	46.57 -0.14 -1.59	36.13 0.05 0.00	30.43 0.12 0.00	53.04 0.07 0.00	86.53 -0.62 0.00	197.46 -1.78 0.00	145.10 -2.62 0.00	132.15 -1.76 0.00	132.53 -2.08 0.00	102.85 -0.51 0.00	215.22 2.04 -2.45	118.85 1.16 -7.33	98.29 2.18 -6.28	198.18 6.18 0.00	156.15 4.52 0.00	131.55 1.86 0.00	122.51 0.82 -0.20
BLISS_WT_PWR 323608	26.38 -6.91 42.39	56.48 -11.06 55.49	54.93 -5.81 3.05	94.90 -12.38 12.84	51.22 -6.77 4.12	10.73 -1.91 7.63	17.36 -2.73 9.42	36.56 -4.46 4.10	21.04 -4.10 10.94	8.90 -3.85 17.57	29.01 -6.52 17.43	60.42 -10.79 15.94	101.29 -24.01 73.93	100.15 -17.09 30.48	87.33 -16.01 30.58	83.06 -17.17 34.37	67.98 -12.06 23.32	164.11 -20.20 26.41	99.68 -10.01 0.67	78.79 -9.24 1.80	141.74 -19.26 31.01	117.75 -12.37 21.51	118.73 -7.88 3.07	116.27 -5.93 -0.70
BLUESTONE___WT_PWR 323821	95.96 -1.23 -21.51	151.84 -2.17 -30.98	64.41 -1.08 -1.70	123.61 -2.37 -5.86	63.89 -1.19 -2.98	29.53 -0.25 -9.51	43.22 -0.23 -13.93	84.59 -0.26 -39.73	126.85 0.04 -90.73	80.96 -0.43 -51.08	70.27 -1.43 -18.72	93.93 -1.70 -8.48	223.80 -2.74 -27.31	149.16 -0.74 -2.18	135.09 -0.33 -1.51	135.31 0.97 0.26	106.52 1.88 -1.28	226.63 -0.88 -16.79	165.41 -0.07 -55.12	133.78 0.25 -43.71	190.95 -1.19 -0.13	149.94 -1.68 0.00	127.75 -1.94 0.00	121.41 -1.94 -1.86
BLUE_CIRC_CHEM_DRP 24182	78.60 2.92 0.00	127.92 4.89 0.00	66.22 2.43 0.00	124.37 4.25 0.00	71.44 2.66 -6.67	58.45 1.75 -36.43	90.01 2.17 -58.33	248.08 2.60 -200.36	580.39 2.06 -542.24	303.99 1.51 -272.17	132.39 1.85 -77.57	126.87 3.81 -35.90	206.87 7.64 0.00	152.60 4.88 0.00	138.60 4.69 0.00	139.43 4.82 0.00	108.70 5.33 0.00	279.74 11.55 -57.47	304.99 6.09 -188.55	244.67 4.81 -150.04	201.78 9.78 0.00	159.63 8.00 0.00	137.01 7.32 0.00	136.85 8.34 -7.02
BOC_GAS_DRP 24189	78.06 2.38 0.00	126.88 3.86 0.00	65.65 1.86 0.00	123.29 3.17 0.00	69.71 1.61 -5.99	53.48 0.52 -32.69	82.57 0.75 -52.31	229.66 1.23 -183.30	519.74 0.94 -482.71	273.38 0.77 -242.29	123.32 1.30 -69.05	121.64 2.34 -32.15	204.06 4.82 0.00	151.17 3.44 0.00	137.21 3.30 0.00	137.55 2.95 0.00	106.29 2.93 0.00	275.39 6.06 -58.60	303.84 3.31 -190.17	245.05 2.60 -152.63	196.95 4.95 0.00	155.68 4.06 0.00	133.19 3.50 0.00	132.15 3.96 -6.69
BOONVILLE_115KV_TB1 79983	76.83 1.15 0.00	125.01 1.98 0.00	64.82 1.03 0.00	121.79 1.66 0.00	62.76 0.65 0.00	20.53 0.26 0.00	30.02 0.51 0.00	46.78 0.73 -0.92	36.71 0.63 0.00	30.91 0.59 0.00	54.07 1.10 0.00	88.80 1.65 0.00	202.95 3.71 0.00	149.87 2.15 0.00	136.31 2.39 0.00	136.50 1.89 0.00	105.23 1.86 0.00	217.16 4.93 -1.50	117.53 2.67 -4.50	96.29 2.61 -3.85	198.25 6.24 0.00	156.68 5.05 0.00	133.04 3.35 0.00	124.13 2.52 -0.12
BORALEX_4TH_BRANCH 23824	80.88 5.20 0.00	131.36 8.34 0.00	67.96 4.17 0.00	127.60 7.48 0.00	76.31 3.82 -10.38	78.11 1.17 -56.66	121.95 1.79 -90.65	337.43 3.09 -289.22	875.21 2.44 -836.69	452.25 1.98 -419.96	176.11 3.46 -119.68	148.34 5.78 -55.41	212.58 13.35 0.00	157.50 9.77 0.00	143.16 9.24 0.00	143.30 8.70 0.00	110.54 7.18 0.00	285.01 15.58 -58.71	320.42 8.29 -201.77	251.32 6.71 -154.78	205.29 13.29 0.00	161.76 10.14 0.00	138.07 8.38 0.00	139.24 8.50 -9.25
BOWLINE___1 23526	79.48 3.80 0.00	128.36 5.34 0.00	66.29 2.50 0.00	124.24 4.12 0.00	65.58 2.20 -1.27	28.11 0.91 -6.93	42.08 1.48 -11.09	109.16 2.52 -61.52	140.37 1.91 -102.38	83.21 1.51 -51.39	70.19 2.58 -14.64	98.00 4.06 -6.78	208.18 8.95 0.00	154.46 6.74 0.00	140.72 6.81 0.00	141.26 6.72 0.06	109.55 6.20 0.00	270.45 12.92 -46.81	265.07 7.03 -147.69	216.58 5.53 -121.22	202.78 10.77 0.00	160.02 8.40 0.00	136.22 6.53 0.00	132.29 6.41 -4.38
BOWLINE___2 23595	79.58 3.90 0.00	128.56 5.53 0.00	66.40 2.61 0.00	124.43 4.30 0.00	65.68 2.30 -1.27	28.15 0.94 -6.93	42.12 1.52 -11.09	109.24 2.59 -61.52	140.44 1.97 -102.39	83.26 1.55 -51.39	70.27 2.65 -14.65	98.14 4.21 -6.79	208.51 9.27 0.00	154.67 6.95 0.00	140.92 7.00 0.00	141.48 6.94 0.06	109.74 6.38 0.00	270.86 13.32 -46.82	265.25 7.19 -147.70	216.74 5.68 -121.23	203.15 11.14 0.00	160.28 8.65 0.00	136.45 6.76 0.00	132.50 6.63 -4.38
BRADY___115KV_TB2 356060	76.83 1.15 0.00	124.97 1.95 0.00	64.92 1.12 0.00	122.99 2.87 0.00	63.43 1.33 0.00	20.49 0.22 0.00	29.81 0.29 0.00	45.56 0.43 0.00	36.54 0.46 0.00	30.95 0.64 0.00	54.08 1.11 0.00	88.36 1.20 0.00	203.39 4.16 0.00	150.89 3.16 0.00	136.08 2.16 0.00	136.84 2.23 0.00	103.79 0.43 0.00	211.54 0.82 0.00	110.24 -0.12 0.00	89.88 0.06 0.00	193.32 1.32 0.00	152.82 1.19 0.00	131.31 1.62 0.00	122.52 1.03 0.00
BRANSCOMB___SOLAR 323811	81.10 5.42 0.00	131.83 8.80 0.00	68.19 4.40 0.00	128.12 7.99 0.00	80.10 4.13 -13.86	97.28 1.35 -75.66	152.77 2.21 -121.05	423.01 3.51 -374.39	1156.01 2.72 -1117.20	593.28 2.21 -560.76	216.57 3.79 -159.81	167.18 6.03 -74.00	212.21 12.97 0.00	156.87 9.15 0.00	143.15 9.23 0.00	143.60 9.00 0.00	111.18 7.81 0.00	288.50 17.27 -60.52	333.64 9.15 -214.12	257.72 7.32 -160.57	206.65 14.64 0.00	163.25 11.62 0.00	138.95 9.26 0.00	141.58 9.15 -10.93
BRENTWOD_69_KV_W. BRTWOOD 56703	93.70 6.74 -11.28	132.94 9.91 0.00	68.50 4.72 0.00	128.27 8.15 0.00	67.61 4.19 -1.31	32.21 1.67 -10.27	47.91 2.59 -15.80	112.83 4.18 -63.53	145.05 3.05 -105.91	86.09 2.62 -53.16	72.74 4.63 -15.15	101.13 6.96 -7.02	214.69 15.45 0.00	158.60 10.88 0.00	144.51 10.59 0.00	145.13 10.58 0.06	114.59 10.63 -0.59	279.21 20.24 -48.25	273.71 11.10 -152.25	223.29 8.51 -124.96	210.45 18.45 0.00	165.39 13.76 0.00	140.85 11.17 0.00	136.99 10.98 -4.52



BRISTLHL_115KV_TB1 79998	73.58	119.38	61.88	116.30	60.21	19.76	28.79	46.42	35.10	29.44	51.23	84.28	192.38	142.60	129.59	130.14	100.35	209.14	119.07	97.33	186.73	147.29	125.83	118.34
	-2.10	-3.65	-1.91	-3.83	-1.90	-0.52	-0.72	-1.23	-0.98	-0.88	-1.74	-2.87	-6.86	-5.12	-4.33	-4.46	-3.01	-5.41	-2.73	-2.30	-5.27	-4.34	-3.86	-3.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-2.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-3.83	-11.44	-9.80	0.00	0.00	0.00	-0.31
BROOKHAVEN___DRP 24191	93.40	132.51	68.18	127.64	67.03	32.06	47.73	112.77	144.98	85.84	72.34	100.37	212.59	157.52	144.37	145.09	114.26	279.03	273.92	223.43	210.16	165.10	140.50	136.51
	6.44	9.48	4.39	7.52	3.61	1.53	2.42	4.12	2.99	2.37	4.22	6.20	13.35	9.80	10.45	10.55	10.30	20.05	11.31	8.64	18.15	13.48	10.82	10.49
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
BROOKLYN_NAVY_YARD 23515	80.28	129.46	66.85	125.17	66.16	28.56	42.75	111.69	144.35	85.39	71.40	99.27	210.59	156.30	142.47	143.12	111.02	274.83	271.25	221.62	205.32	162.05	137.70	133.80
	4.60	6.43	3.06	5.05	2.74	1.12	1.76	3.03	2.33	1.90	3.27	5.09	11.35	8.58	8.55	8.58	7.66	15.84	8.60	6.80	13.31	10.42	8.02	7.79
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.54	-105.94	-53.17	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.29	-124.99	0.00	0.00	0.00	-4.52
BROOKLYN___ARMY_DRP 323595	80.65	129.94	67.20	125.61	69.37	57.34	59.00	112.04	144.71	103.51	83.73	99.53	211.33	156.92	142.94	143.55	110.99	274.05	270.86	221.40	205.06	162.26	138.06	134.53
	4.97	6.91	3.41	5.48	2.97	1.26	1.93	3.22	2.44	1.98	3.42	5.35	12.03	9.20	9.03	9.01	7.63	15.05	8.20	6.57	13.05	10.63	8.38	8.52
	0.00	0.00	0.00	0.00	-4.30	-35.80	-27.55	-63.69	-106.19	-71.21	-27.34	-7.03	-0.06	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
BROOKVLE_69_KV_TB1 55790	92.76	131.48	67.80	126.96	67.04	31.97	47.58	112.37	144.81	85.79	72.14	100.38	213.23	158.01	144.09	144.62	113.42	277.49	272.62	222.56	208.39	164.03	139.54	135.59
	5.80	8.45	4.00	6.83	3.62	1.43	2.26	3.72	2.82	2.32	4.03	6.21	14.00	10.29	10.17	10.08	9.46	18.52	10.01	7.78	16.38	12.40	9.86	9.58
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
BROOME_2_LFGE 323671	60.79	107.04	61.97	112.72	59.91	20.12	30.45	67.09	81.19	47.88	53.52	86.65	172.02	143.53	131.07	132.44	101.33	225.12	158.66	129.55	190.50	150.36	128.47	122.31
	-1.09	-1.83	-1.05	-2.31	-1.15	-0.31	-0.41	-0.56	-0.44	-0.51	-1.01	-1.38	-3.58	-2.30	-1.54	-1.69	-0.87	-1.12	-0.52	-0.48	-1.39	-1.27	-1.22	-0.71
	13.81	14.15	0.78	5.10	1.05	-0.15	-1.35	-22.53	-45.54	-18.08	-1.56	-0.88	23.63	1.89	1.30	0.47	1.16	-15.52	-48.82	-40.20	0.12	0.00	0.00	-1.53
BROOME___LFGE 323600	60.79	107.04	61.97	112.72	59.91	20.12	30.45	67.09	81.19	47.88	53.52	86.65	172.02	143.53	131.07	132.44	101.33	225.12	158.66	129.55	190.50	150.36	128.47	122.31
	-1.09	-1.83	-1.05	-2.31	-1.15	-0.31	-0.41	-0.56	-0.44	-0.51	-1.01	-1.38	-3.58	-2.30	-1.54	-1.69	-0.87	-1.12	-0.52	-0.48	-1.39	-1.27	-1.22	-0.71
	13.81	14.15	0.78	5.10	1.05	-0.15	-1.35	-22.53	-45.54	-18.08	-1.56	-0.88	23.63	1.89	1.30	0.47	1.16	-15.52	-48.82	-40.20	0.12	0.00	0.00	-1.53
BROWNFLS_115KV_TB_3_5 80003	75.63	123.05	63.82	120.37	61.86	19.99	29.18	45.37	35.79	30.37	53.07	86.69	198.93	146.94	133.15	132.97	101.57	209.45	112.53	92.43	192.42	152.45	130.06	121.44
	-0.05	0.02	0.03	0.25	-0.24	-0.29	-0.33	-0.54	-0.30	0.06	0.10	-0.46	-0.30	-0.78	-0.76	-1.63	-1.79	-2.51	-1.51	-0.56	0.42	0.82	0.38	-0.15
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.23	-3.68	-3.16	0.00	0.00	0.00	-0.10
BROWNSV1_27_KV_LOAD 356125	81.08	130.78	67.54	126.45	66.82	28.79	43.08	112.20	144.76	85.72	71.96	100.23	212.64	158.00	143.94	144.51	112.21	277.21	272.44	222.59	207.45	163.75	139.20	135.18
	5.40	7.76	3.75	6.33	3.40	1.34	2.09	3.53	2.74	2.23	3.84	6.05	13.40	10.28	10.02	9.97	8.85	18.21	9.79	7.77	15.44	12.12	9.51	9.17
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.54	-105.94	-53.17	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.29	-124.99	0.00	0.00	0.00	-4.52
BURROWS___LYONSDAL 23803	76.32	124.19	64.42	120.95	62.27	20.35	29.77	46.43	36.42	30.69	53.70	88.07	201.39	148.54	135.14	135.21	104.23	215.42	116.74	95.87	197.41	156.20	132.37	123.38
	0.64	1.17	0.63	0.82	0.16	0.08	0.26	0.34	0.34	0.38	0.74	0.92	2.16	0.82	1.22	0.60	0.86	3.14	1.73	2.06	5.40	4.57	2.68	1.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.55	-4.64	-3.98	0.00	0.00	0.00	-0.13
CAITHNESS_CC_1 323624	93.24	132.22	68.05	127.39	66.97	32.05	47.68	112.64	144.89	85.80	72.27	100.27	212.66	157.38	144.18	144.88	113.99	278.36	273.57	223.14	209.56	164.69	140.17	136.22
	6.27	9.19	4.27	7.27	3.55	1.51	2.37	3.99	2.90	2.33	4.15	6.10	13.42	9.65	10.27	10.33	10.03	19.38	10.97	8.35	17.56	13.06	10.48	10.20
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
CALPINE BETH_PAGE_GT4 24209	92.38	130.88	67.47	126.30	66.69	31.88	47.44	112.17	144.62	85.64	71.88	99.82	211.87	157.03	143.10	143.68	112.84	276.37	272.13	222.11	207.25	163.12	138.84	134.97
	5.41	7.85	3.68	6.18	3.27	1.34	2.12	3.52	2.62	2.17	3.76	5.65	12.64	9.31	9.19	9.14	8.88	17.39	9.52	7.33	15.25	11.50	9.15	8.96
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
CALPINE_BETH_PAGE_GT_4 323586	92.41	130.90	67.47	126.31	66.69	31.88	47.43	112.17	144.62	85.63	71.88	99.81	211.89	156.98	143.13	143.73	112.82	276.39	272.16	222.13	207.16	163.08	138.83	134.97
	5.45	7.87	3.68	6.19	3.27	1.34	2.12	3.52	2.62	2.16	3.76	5.64	12.65	9.25	9.22	9.19	8.86	17.41	9.55	7.35	15.16	11.46	9.15	8.95
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
CALPINE_BP_GT1 23823	92.41	130.90	67.47	126.31	66.69	31.88	47.43	112.17	144.62	85.63	71.88	99.81	211.89	156.98	143.13	143.73	112.82	276.39	272.16	222.13	207.16	163.08	138.83	134.97
	5.45	7.87	3.68	6.19	3.27	1.34	2.12	3.52	2.62	2.16	3.76	5.64	12.65	9.25	9.22	9.19	8.86	17.41	9.55	7.35	15.16	11.46	9.15	8.95
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
CALSPAN___DRP 24200	31.89	63.67	55.28	97.90	53.05	11.97	18.71	33.76	17.77	9.01	28.52	55.84	101.16	85.69	72.27	65.48	55.00	142.92	81.80	63.24	124.58	103.28	114.32	113.18
	-6.34	-10.33	-5.82	-10.87	-5.42	-1.57	-2.49	-4.25	-3.61	-3.26	-5.97	-9.98	-22.67	-16.25	-14.80	-15.50	-11.39	-20.15	-10.45	-9.11	-18.38	-14.17	-10.49	-8.96
	37.45	49.02	2.70	11.35	3.64	6.74	8.32	7.11	14.70	18.04	18.48	21.33	75.40	45.78	46.84	53.62	36.97	47.64	18.10	17.48	49.05	34.17	4.88	-0.65

CALVERTON___SOLAR 323806	93.65 6.69 -11.28	132.80 9.78 0.00	68.28 4.49 0.00	127.83 7.71 0.00	67.07 3.65 -1.31	32.10 1.56 -10.27	47.78 2.47 -15.80	112.90 4.25 -63.53	145.05 3.06 -105.91	85.86 2.39 -53.16	72.38 4.26 -15.15	100.39 6.22 -7.02	212.67 13.43 0.00	157.37 9.64 0.00	144.57 10.65 0.00	145.41 10.86 0.06	114.46 10.50 -0.59	279.53 20.55 -48.25	274.28 11.67 -152.25	223.69 8.91 -124.96	210.56 18.55 0.00	165.41 13.78 0.00	140.77 11.08 0.00	136.77 10.76 -4.52
CANDIGU_WT_PWR 323617	4.06 -6.08 65.54	26.93 -10.11 85.99	53.54 -5.52 4.73	89.50 -10.81 19.81	50.63 -5.49 5.99	8.84 -1.63 9.80	15.65 -2.47 11.39	4.10 -3.72 37.31	-5.56 -2.92 38.73	-10.43 -2.60 38.14	-6.00 -4.75 54.22	-16.93 -7.65 96.43	-35.07 -17.40 216.90	-98.45 -10.68 235.49	-120.88 -8.60 246.20	-157.79 -8.49 283.90	-95.73 -6.42 192.67	-95.47 -11.91 294.28	-94.52 -6.19 198.68	-95.47 -5.02 180.28	-87.33 -11.47 267.86	-45.59 -9.84 187.37	94.34 -8.61 26.74	115.59 -6.93 -1.03
CARR STREET_E_SYR 24060	73.89 -1.79 0.00	120.05 -2.98 0.00	62.15 -1.64 0.00	116.81 -3.32 0.00	60.46 -1.65 0.00	19.83 -0.44 0.00	28.90 -0.61 0.00	46.99 -1.03 -2.90	35.31 -0.77 0.00	29.61 -0.70 0.00	51.56 -1.42 0.00	84.84 -2.31 0.00	193.69 -5.54 0.00	143.72 -4.01 0.00	130.56 -3.36 0.00	131.03 -3.58 0.00	101.04 -2.33 0.00	210.98 -4.12 -4.38	121.47 -1.98 -13.10	99.27 -1.78 -11.22	187.87 -4.14 0.00	148.21 -3.42 0.00	126.63 -3.06 0.00	119.16 -2.68 -0.36
CARTHAGE___PAPER 23857	76.12 0.44 0.00	123.78 0.76 0.00	64.12 0.33 0.00	120.41 0.29 0.00	61.92 -0.19 0.00	20.20 -0.07 0.00	29.60 0.09 0.00	46.68 0.14 -1.41	36.34 0.26 0.00	30.66 0.35 0.00	53.52 0.55 0.00	87.35 0.20 0.00	199.70 0.46 0.00	146.87 -0.85 0.00	133.60 -0.32 0.00	133.81 -0.79 0.00	103.39 0.03 0.00	215.49 2.59 -2.18	118.25 1.37 -6.53	97.67 2.25 -5.59	198.51 6.51 0.00	156.75 5.12 0.00	132.29 2.60 0.00	123.12 1.45 -0.18
CASSADAGA_WT_PWR 323784	27.04 -7.30 41.33	56.98 -11.91 54.13	53.92 -6.89 2.98	94.68 -12.93 12.52	51.50 -6.59 4.01	11.04 -1.79 7.44	17.61 -2.73 9.18	35.22 -4.69 5.21	19.95 -3.85 12.29	9.20 -3.18 17.94	29.53 -5.45 17.99	60.41 -8.86 17.87	102.10 -21.81 75.32	90.25 -15.87 41.61	77.96 -15.04 40.91	77.75 -15.85 41.00	47.55 -11.38 44.42	157.95 -19.05 33.72	93.83 -9.77 6.76	74.71 -7.87 7.24	140.68 -14.12 37.21	114.91 -10.87 25.86	119.28 -6.72 3.69	117.06 -5.12 -0.68
CE_DUNWOOD___DRP 24194	80.08 4.40 0.00	129.34 6.31 0.00	66.79 3.00 0.00	125.17 5.05 0.00	66.11 2.69 -1.31	28.50 1.07 -7.16	42.68 1.71 -11.45	111.45 2.91 -63.42	144.07 2.23 -105.75	85.19 1.79 -53.08	71.17 3.07 -15.12	99.03 4.87 -7.01	209.98 10.74 0.00	155.85 8.12 0.00	141.99 7.98 0.00	142.53 7.98 0.06	110.63 7.27 0.00	273.92 15.03 -48.16	270.45 8.12 -151.97	220.94 6.39 -124.73	204.67 12.67 0.00	161.47 9.84 0.00	137.39 7.70 0.00	133.53 7.53 -4.51
CE_MILLWOOD___DRP 24193	79.93 4.26 0.00	129.16 6.13 0.00	66.70 2.91 0.00	124.97 4.85 0.00	66.02 2.60 -1.31	28.44 1.03 -7.13	42.58 1.66 -11.41	111.12 2.82 -63.18	143.59 2.16 -105.35	84.92 1.73 -52.88	70.99 2.95 -15.07	98.81 4.68 -6.98	209.57 10.33 0.00	155.51 7.79 0.00	141.70 7.78 0.00	142.24 7.69 0.06	110.37 7.01 0.00	273.28 14.58 -47.98	269.61 7.86 -151.39	220.26 6.19 -124.25	204.27 12.26 0.00	161.14 9.52 0.00	137.14 7.46 0.00	133.27 7.28 -4.49
CE_NYC2_DRP 24202	80.47 4.80 0.00	129.74 6.72 0.00	66.99 3.20 0.00	125.29 5.17 0.00	66.21 2.79 -1.31	28.60 1.16 -7.17	42.81 1.82 -11.48	111.78 3.11 -63.55	144.41 2.39 -105.95	85.44 1.95 -53.18	71.47 3.35 -15.15	99.40 5.23 -7.02	211.06 11.82 0.00	156.80 9.07 0.00	142.79 8.88 0.00	143.41 8.87 0.06	111.13 7.78 0.00	274.92 15.92 -48.27	271.27 8.60 -152.31	221.64 6.82 -125.00	205.34 13.33 0.00	162.11 10.49 0.00	137.85 8.16 0.00	134.07 8.05 -4.52
CE_NYC_DRP 24195	85.47 4.69 -5.10	131.70 6.65 -2.02	71.29 3.19 -4.31	127.84 5.28 -2.42	73.96 2.88 -8.98	28.61 1.16 -7.17	45.71 1.80 -14.40	114.43 3.08 -66.22	144.74 2.39 -106.27	85.43 1.95 -53.17	71.49 3.36 -15.15	99.44 5.27 -7.02	210.86 11.62 0.00	156.63 8.91 0.00	142.73 8.81 0.00	143.31 8.77 0.06	111.23 7.87 0.00	275.12 16.13 -48.27	271.36 8.71 -152.29	221.67 6.85 -124.99	205.53 13.52 0.00	162.18 10.55 0.00	137.86 8.17 0.00	133.96 7.94 -4.52
CHAFFEE___LFGE 323603	30.06 -5.67 39.94	61.48 -9.26 52.29	55.66 -5.26 2.88	98.26 -9.76 12.10	53.36 -4.87 3.88	11.67 -1.41 7.19	18.40 -2.24 8.87	35.78 -3.75 5.60	20.13 -3.15 12.80	9.57 -2.94 17.80	29.67 -5.34 17.96	59.66 -8.88 18.61	104.40 -20.17 74.67	95.34 -14.10 38.29	81.91 -13.19 38.82	76.60 -14.09 43.91	62.76 -9.88 30.72	156.06 -17.72 36.94	91.69 -9.34 9.32	72.19 -8.05 9.58	136.44 -15.61 39.95	111.57 -12.28 27.78	116.59 -9.13 3.97	114.32 -7.84 -0.67
CHATEAUG_35_KV_LOAD 355732	76.19 0.51 0.00	123.82 0.80 0.00	64.34 0.55 0.00	122.17 2.04 0.00	63.00 0.89 0.00	20.40 0.13 0.00	29.63 0.12 0.00	45.17 0.05 0.00	36.26 0.18 0.00	30.74 0.43 0.00	53.66 0.69 0.00	87.18 0.03 0.00	199.21 -0.02 0.00	148.75 1.02 0.00	134.66 0.75 0.00	134.97 0.37 0.00	102.20 -1.17 0.00	207.24 -3.48 0.00	108.24 -2.12 0.00	88.30 -1.53 0.00	190.41 -1.59 0.00	149.81 -1.82 0.00	127.99 -1.70 0.00	118.95 -2.54 0.00
CHATEAUG_WT_PWR 323614	75.97 0.29 0.00	123.53 0.50 0.00	64.18 0.39 0.00	121.78 1.66 0.00	62.81 0.71 0.00	20.35 0.08 0.00	29.55 0.04 0.00	45.06 -0.06 0.00	36.15 0.06 0.00	30.63 0.31 0.00	53.50 0.53 0.00	86.89 -0.26 0.00	198.68 -0.56 0.00	148.07 0.35 0.00	134.19 0.27 0.00	134.46 -0.14 0.00	101.73 -1.64 0.00	206.37 -4.36 0.00	107.94 -2.42 0.00	87.99 -1.84 0.00	189.55 -2.46 0.00	149.35 -2.27 0.00	127.50 -2.19 0.00	118.53 -2.96 0.00
CHAT_HIGH_FALL_HYD 323578	76.19 0.51 0.00	123.82 0.80 0.00	64.34 0.55 0.00	122.17 2.04 0.00	63.00 0.89 0.00	20.40 0.13 0.00	29.63 0.12 0.00	45.17 0.05 0.00	36.26 0.18 0.00	30.74 0.43 0.00	53.66 0.69 0.00	87.18 0.03 0.00	199.21 -0.02 0.00	148.75 1.02 0.00	134.66 0.75 0.00	134.97 0.37 0.00	102.20 -1.17 0.00	207.24 -3.48 0.00	108.24 -2.12 0.00	88.30 -1.53 0.00	190.41 -1.59 0.00	149.81 -1.82 0.00	127.99 -1.70 0.00	118.95 -2.54 0.00
CHAUTAUQUA___LFGE 323629	29.68 -6.80 39.20	60.82 -10.88 51.33	54.75 -6.22 2.82	96.40 -11.85 11.87	52.30 -6.00 3.81	11.50 -1.71 7.06	18.16 -2.65 8.71	34.06 -4.41 6.66	18.30 -3.65 14.13	8.77 -3.28 18.26	28.51 -5.87 18.59	56.86 -9.75 20.53	99.92 -22.88 76.43	86.40 -16.40 44.93	73.10 -15.33 45.48	68.15 -16.11 50.34	52.53 -11.47 39.36	146.90 -19.86 43.96	85.02 -10.34 14.99	66.57 -8.59 14.66	129.69 -16.34 45.97	106.95 -12.67 32.01	116.38 -8.74 4.57	114.97 -7.18 -0.66
CHERRYST_13_KV_LD 356241	80.57 4.90 0.00	130.02 6.99 0.00	67.16 3.36 0.00	125.74 5.62 0.00	66.47 3.05 -1.31	28.67 1.22 -7.17	42.89 1.90 -11.48	111.89 3.23 -63.54	144.54 2.52 -105.93	85.54 2.06 -53.17	71.66 3.54 -15.15	99.78 5.60 -7.02	211.57 12.34 0.00	157.16 9.44 0.00	143.20 9.29 0.00	143.77 9.23 0.06	111.63 8.27 0.00	275.93 16.94 -48.27	271.71 9.06 -152.29	221.96 7.15 -124.99	206.10 14.10 0.00	162.61 10.98 0.00	138.24 8.55 0.00	134.30 8.28 -4.52

CHESTROR_138KV_BK263 355645	79.26 3.59 0.00	128.20 5.17 0.00	66.23 2.44 0.00	124.16 4.04 0.00	65.49 2.16 -1.21	27.77 0.87 -6.63	41.52 1.40 -10.61	106.41 2.38 -58.90	135.82 1.80 -97.94	80.87 1.39 -49.16	69.33 2.35 -14.01	97.44 3.80 -6.49	207.41 8.18 0.00	153.95 6.23 0.00	140.23 6.31 0.00	140.75 6.21 0.06	109.18 5.82 0.00	267.86 12.27 -44.87	258.56 6.65 -141.55	211.24 5.23 -116.18	202.28 10.28 0.00	159.64 8.01 0.00	135.96 6.27 0.00	131.83 6.14 -4.20
CH_MIDHUDSON___DRP 24192	80.39 4.71 0.00	129.98 6.95 0.00	67.15 3.36 0.00	125.90 5.78 0.00	66.59 3.07 -1.41	29.13 1.15 -7.70	43.67 1.84 -12.32	114.65 3.14 -66.39	152.22 2.40 -113.74	89.27 1.87 -57.09	72.42 3.18 -16.27	99.90 5.22 -7.54	210.72 11.48 0.00	156.29 8.57 0.00	142.36 8.45 0.00	142.96 8.41 0.06	111.03 7.67 0.00	275.81 16.04 -49.04	273.85 8.66 -154.84	223.69 6.86 -127.00	205.62 13.62 0.00	162.24 10.61 0.00	138.07 8.38 0.00	134.27 8.16 -4.62
CH_MISC_IPPS 23765	80.67 4.99 0.00	130.40 7.37 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.74 3.26 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.44 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.17 3.33 -15.87	99.99 5.49 -7.35	211.37 12.14 0.00	156.71 8.99 0.00	142.74 8.83 0.00	143.44 8.90 0.06	111.37 8.01 0.00	275.88 16.97 -48.19	271.63 9.14 -152.13	221.85 7.23 -124.80	206.45 14.44 0.00	162.81 11.18 0.00	138.57 8.88 0.00	134.59 8.56 -4.53
CH_RES_BVR_FALLS 23983	74.04 -1.64 0.00	120.65 -2.38 0.00	62.74 -1.05 0.00	118.61 -1.51 0.00	61.19 -0.92 0.00	19.90 -0.37 0.00	28.93 -0.58 0.00	44.20 -0.92 0.00	35.42 -0.67 0.00	29.85 -0.46 0.00	52.24 -0.73 0.00	85.55 -1.61 0.00	196.32 -2.92 0.00	145.76 -1.96 0.00	131.78 -2.13 0.00	132.50 -2.10 0.00	101.02 -2.35 0.00	205.68 -5.04 0.00	107.37 -2.99 0.00	87.87 -1.96 0.00	189.27 -2.73 0.00	150.02 -1.60 0.00	128.21 -1.48 0.00	119.55 -1.94 0.00
CH_RES_NIAGARA 23895	35.30 -8.20 32.19	67.68 -13.22 42.12	53.99 -7.49 2.32	96.83 -13.53 9.75	52.11 -6.87 3.13	12.41 -2.06 5.80	19.12 -3.24 7.15	34.66 -5.48 4.98	19.66 -4.87 11.56	11.07 -4.27 14.97	29.84 -7.87 15.25	57.00 -13.35 16.80	105.68 -30.85 62.70	89.81 -22.47 35.45	77.27 -20.50 36.14	71.48 -21.35 41.76	58.70 -16.08 28.58	145.85 -29.68 35.19	85.35 -14.95 10.05	66.60 -13.04 10.18	127.24 -27.23 37.53	104.46 -21.02 26.14	110.48 -15.48 3.73	108.33 -13.77 -0.60
CH_RES_SYRACUSE 23985	74.51 -1.16 0.00	121.01 -2.02 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	19.99 -0.28 0.00	29.11 -0.40 0.00	47.68 -0.68 -3.24	35.58 -0.51 0.00	29.83 -0.48 0.00	51.95 -1.02 0.00	85.44 -1.71 0.00	195.19 -4.05 0.00	144.78 -2.94 0.00	131.59 -2.33 0.00	132.14 -2.47 0.00	101.89 -1.48 0.00	213.32 -2.30 -4.90	124.01 -0.99 -14.65	101.42 -0.96 -12.55	189.61 -2.40 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
CLINTON_WT_PWR 323605	75.97 0.29 0.00	123.53 0.50 0.00	64.18 0.39 0.00	121.78 1.66 0.00	62.81 0.71 0.00	20.35 0.08 0.00	29.55 0.04 0.00	45.06 -0.06 0.00	36.15 0.06 0.00	30.63 0.31 0.00	53.50 0.53 0.00	86.89 -0.26 0.00	198.68 -0.56 0.00	148.07 0.35 0.00	134.19 0.27 0.00	134.46 -0.14 0.00	101.73 -1.64 0.00	206.37 -4.36 0.00	107.94 -2.42 0.00	87.99 -1.84 0.00	189.55 -2.46 0.00	149.35 -2.27 0.00	127.50 -2.19 0.00	118.53 -2.96 0.00
CLINTON___LFGE 323618	77.48 1.80 0.00	125.92 2.89 0.00	65.35 1.56 0.00	124.02 3.89 0.00	63.94 1.84 0.00	20.73 0.45 0.00	30.13 0.62 0.00	45.97 0.84 0.00	36.91 0.83 0.00	31.27 0.95 0.00	54.46 1.49 0.00	88.54 1.39 0.00	202.06 2.83 0.00	150.34 2.62 0.00	136.52 2.60 0.00	136.68 2.08 0.00	103.59 0.23 0.00	210.40 -0.32 0.00	110.25 -0.10 0.00	89.66 -0.16 0.00	192.97 0.97 0.00	152.30 0.67 0.00	129.78 0.09 0.00	120.57 -0.92 0.00
COBBLENY_34_KV_TB1 80064	30.07 -5.66 39.94	61.48 -9.25 52.29	55.65 -5.26 2.88	98.24 -9.78 12.10	53.36 -4.86 3.88	11.70 -1.38 7.19	18.43 -2.21 8.87	35.73 -3.80 5.60	20.06 -3.22 12.80	9.59 -2.92 17.80	29.64 -5.37 17.96	59.59 -8.95 18.61	104.29 -20.28 74.67	94.95 -14.49 38.29	81.93 -13.17 38.82	76.79 -13.90 43.91	62.54 -10.10 30.72	156.22 -17.57 36.94	91.88 -9.15 9.32	72.19 -8.05 9.58	135.88 -16.17 39.95	111.39 -12.45 27.78	116.52 -9.20 3.97	114.36 -7.81 -0.67
COFFEEN___115KV_TB3 355620	76.20 0.52 0.00	123.79 0.76 0.00	64.01 0.22 0.00	120.07 -0.05 0.00	61.84 -0.27 0.00	20.24 -0.04 0.00	29.70 0.18 0.00	47.05 0.30 -1.62	36.49 0.41 0.00	30.73 0.42 0.00	53.52 0.55 0.00	87.24 0.09 0.00	198.91 -0.33 0.00	145.97 -1.75 0.00	133.03 -0.89 0.00	133.49 -1.11 0.00	103.80 0.44 0.00	217.77 4.55 -2.50	120.19 2.35 -7.47	99.32 3.08 -6.40	200.01 8.00 0.00	157.51 5.88 0.00	132.61 2.93 0.00	123.57 1.88 -0.20
COLDSPRG_115KV_BK1 355956	26.71 -4.27 44.70	57.43 -7.04 58.55	56.19 -4.38 3.22	98.52 -8.06 13.53	53.63 -4.13 4.34	11.18 -1.04 8.05	17.92 -1.67 9.92	39.30 -2.89 2.93	24.33 -2.38 9.37	10.81 -2.08 17.43	32.38 -3.54 17.05	67.88 -5.59 13.68	112.82 -12.83 73.59	117.07 -9.06 21.60	103.73 -8.44 21.75	99.31 -9.04 26.25	86.15 -6.49 10.72	183.04 -10.12 17.56	111.27 -5.33 -6.24	89.57 -4.73 -4.47	160.37 -8.27 23.37	129.35 -6.14 16.14	123.84 -3.54 2.31	119.66 -2.54 -0.71
COLONIE_LFGE___ 323577	79.77 4.09 0.00	129.57 6.55 0.00	67.05 3.26 0.00	125.89 5.77 0.00	77.32 2.97 -12.24	88.04 0.94 -66.83	137.94 1.50 -106.93	382.44 2.44 -334.87	1024.83 1.88 -986.87	527.18 1.53 -495.34	196.82 2.69 -141.17	156.95 4.44 -65.36	209.14 9.91 0.00	154.76 7.03 0.00	140.84 6.92 0.00	141.12 6.52 0.00	109.03 5.67 0.00	282.79 12.32 -59.74	325.39 6.59 -208.44	253.11 5.25 -158.03	202.28 10.28 0.00	159.74 8.11 0.00	136.34 6.65 0.00	138.41 6.80 -10.12
COOPERNY_115KV_TB1 80082	78.24 2.56 0.00	126.71 3.68 0.00	65.52 1.73 0.00	122.94 2.81 0.00	64.63 1.51 -1.01	26.39 0.62 -5.50	39.31 1.01 -8.79	95.23 1.70 -48.40	118.57 1.29 -81.20	72.05 0.98 -40.76	66.23 1.64 -11.62	95.22 2.69 -5.38	204.93 5.70 0.00	152.11 4.38 0.00	138.31 4.40 0.00	138.89 4.36 0.07	107.52 4.16 0.00	256.07 8.81 -36.54	230.48 4.81 -115.31	188.23 3.79 -94.62	199.42 7.41 0.00	157.38 5.75 0.00	134.14 4.45 0.00	129.31 4.39 -3.43
COPENHAGEN_WT_PWR 323753	74.51 -1.17 0.00	121.12 -1.91 0.00	62.63 -1.16 0.00	117.38 -2.75 0.00	60.42 -1.69 0.00	19.75 -0.52 0.00	28.96 -0.56 0.00	45.95 -0.86 -1.68	35.56 -0.52 0.00	29.94 -0.38 0.00	52.17 -0.80 0.00	85.15 -2.00 0.00	194.31 -4.92 0.00	142.88 -4.85 0.00	130.12 -3.80 0.00	130.49 -4.11 0.00	101.23 -2.14 0.00	211.89 -1.42 -2.58	117.46 -0.63 -7.73	97.45 1.00 -6.62	195.93 3.92 0.00	154.30 2.67 0.00	129.79 0.10 0.00	120.84 -0.86 -0.21
CORNELL_____ 23752	251.36 0.21 -175.48	357.89 0.12 -234.75	76.66 -0.04 -12.91	171.76 -0.37 -52.00	79.10 -0.08 -17.08	53.49 0.10 -33.12	71.35 0.19 -41.65	83.21 0.33 -37.76	88.42 0.26 -52.08	105.55 0.10 -75.14	112.93 -0.08 -60.04	117.73 0.07 -30.51	448.69 0.09 -249.37	181.33 0.52 -33.09	162.82 0.99 -27.91	152.89 1.08 -17.21	127.46 1.24 -22.86	242.86 2.97 -29.17	165.29 1.81 -53.12	131.63 1.40 -40.40	211.74 2.39 -17.35	164.36 1.41 -11.32	132.30 1.00 -1.62	123.72 1.18 -1.06

CORONA__69_KV_TB1 355595	92.32 5.37 -11.28	130.79 7.76 0.00	67.54 3.75 0.00	126.44 6.31 0.00	66.76 3.34 -1.31	31.83 1.29 -10.27	47.33 2.01 -15.80	111.99 3.34 -63.53	144.51 2.51 -105.91	85.56 2.09 -53.16	71.84 3.72 -15.15	99.88 5.71 -7.02	211.83 12.59 0.00	156.98 9.26 0.00	143.21 9.29 0.00	143.60 9.06 0.06	112.51 8.55 -0.59	276.31 17.34 -48.25	272.09 9.49 -152.25	222.12 7.34 -124.96	207.15 15.15 0.00	163.24 11.61 0.00	138.90 9.22 0.00	135.02 9.01 -4.52
CORTLAND__115KV_TB3 80093	122.61 -0.14 -47.07	185.51 -0.33 -62.81	66.97 -0.27 -3.45	133.34 -0.76 -13.99	66.25 -0.34 -4.48	28.57 -0.01 -8.31	39.80 0.04 -10.25	55.82 0.09 -10.61	40.39 0.13 -4.18	45.66 0.02 -15.34	67.14 -0.16 -14.33	93.17 -0.15 -6.18	263.87 -0.59 -65.22	152.73 -0.20 -5.20	137.73 0.22 -3.60	134.69 0.12 0.03	106.98 0.53 -3.09	221.05 1.64 -8.69	140.24 1.00 -28.89	113.10 0.76 -22.52	193.49 1.17 -0.32	152.22 0.59 0.00	129.96 0.27 0.00	122.64 0.44 -0.71
COXSACKIE__GT 23611	81.96 6.28 0.00	133.31 10.29 0.00	68.96 5.17 0.00	129.54 9.42 0.00	73.05 4.94 -6.00	54.80 1.77 -32.77	83.54 1.59 -52.43	229.02 1.63 -182.27	523.15 2.14 -484.92	275.80 2.09 -243.40	125.27 2.94 -69.36	125.73 6.48 -32.10	209.26 10.02 0.00	156.80 9.08 0.00	141.42 7.50 0.00	142.44 7.88 0.05	111.31 7.95 0.00	284.58 17.76 -56.09	302.94 9.31 -183.27	243.37 7.25 -146.30	206.95 14.94 0.00	163.20 11.57 0.00	139.96 10.27 0.00	139.09 10.91 -6.69
CPV_VALLEY__CC1 323721	78.61 2.93 0.00	127.15 4.12 0.00	65.73 1.94 0.00	123.19 3.06 0.00	64.89 1.66 -1.12	27.13 0.71 -6.14	40.49 1.15 -9.83	101.85 1.94 -54.78	128.28 1.47 -90.73	76.99 1.14 -45.54	67.87 1.92 -12.98	96.25 3.09 -6.01	205.85 6.61 0.00	152.71 4.98 0.00	139.06 5.14 0.00	139.61 5.08 0.07	108.17 4.81 0.00	262.78 10.17 -41.89	248.02 5.52 -132.14	202.63 4.34 -108.46	200.38 8.38 0.00	158.16 6.53 0.00	134.72 5.03 0.00	130.40 4.99 -3.92
CPV_VALLEY__CC2 323722	78.61 2.93 0.00	127.15 4.12 0.00	65.73 1.94 0.00	123.19 3.06 0.00	64.89 1.66 -1.12	27.13 0.71 -6.14	40.49 1.15 -9.83	101.85 1.94 -54.78	128.28 1.47 -90.73	76.99 1.14 -45.54	67.87 1.92 -12.98	96.25 3.09 -6.01	205.85 6.61 0.00	152.71 4.98 0.00	139.06 5.14 0.00	139.61 5.08 0.07	108.17 4.81 0.00	262.78 10.17 -41.89	248.02 5.52 -132.14	202.63 4.34 -108.46	200.38 8.38 0.00	158.16 6.53 0.00	134.72 5.03 0.00	130.40 4.99 -3.92
CRESCENT__HYD 24018	79.77 4.09 0.00	129.57 6.55 0.00	67.05 3.26 0.00	125.89 5.77 0.00	77.32 2.97 -12.24	88.04 0.94 -66.83	137.94 1.50 -106.93	382.44 2.44 -334.87	1024.83 1.88 -986.87	527.18 1.53 -495.34	196.82 2.69 -141.17	156.95 4.44 -65.36	209.14 9.91 0.00	154.76 7.03 0.00	140.84 6.92 0.00	141.12 6.52 0.00	109.03 5.67 0.00	282.79 12.32 -59.74	325.39 6.59 -208.44	253.11 5.25 -158.03	202.28 10.28 0.00	159.74 8.11 0.00	136.34 6.65 0.00	138.41 6.80 -10.12
CRICKET__VALLEY_CC1 323756	79.69 4.01 0.00	128.83 5.80 0.00	66.57 2.78 0.00	124.80 4.67 0.00	66.23 2.50 -1.62	30.05 0.93 -8.85	45.20 1.53 -14.16	120.43 2.72 -72.59	168.87 2.06 -130.73	97.54 1.61 -65.61	74.41 2.74 -18.70	100.30 4.49 -8.66	209.31 10.07 0.00	155.00 7.28 0.00	141.48 7.56 0.00	141.90 7.35 0.06	110.07 6.71 0.00	275.47 14.02 -50.73	278.49 7.62 -160.51	227.32 6.06 -131.44	203.62 11.62 0.00	160.73 9.10 0.00	136.91 7.22 0.00	133.57 7.22 -4.85
CRICKET__VALLEY_CC2 323757	79.69 4.01 0.00	128.83 5.80 0.00	66.57 2.78 0.00	124.80 4.67 0.00	66.23 2.50 -1.62	30.05 0.93 -8.85	45.20 1.53 -14.16	120.43 2.72 -72.59	168.87 2.06 -130.73	97.54 1.61 -65.61	74.41 2.74 -18.70	100.30 4.49 -8.66	209.31 10.07 0.00	155.00 7.28 0.00	141.48 7.56 0.00	141.90 7.35 0.06	110.07 6.71 0.00	275.47 14.02 -50.73	278.49 7.62 -160.51	227.32 6.06 -131.44	203.62 11.62 0.00	160.73 9.10 0.00	136.91 7.22 0.00	133.57 7.22 -4.85
CRICKET__VALLEY_CC3 323758	79.69 4.01 0.00	128.83 5.80 0.00	66.57 2.78 0.00	124.80 4.67 0.00	66.23 2.50 -1.62	30.05 0.93 -8.85	45.20 1.53 -14.16	120.43 2.72 -72.59	168.87 2.06 -130.73	97.54 1.61 -65.61	74.41 2.74 -18.70	100.30 4.49 -8.66	209.31 10.07 0.00	155.00 7.28 0.00	141.48 7.56 0.00	141.90 7.35 0.06	110.07 6.71 0.00	275.47 14.02 -50.73	278.49 7.62 -160.51	227.32 6.06 -131.44	203.62 11.62 0.00	160.73 9.10 0.00	136.91 7.22 0.00	133.57 7.22 -4.85
CRUCIBLE__METL_DRP 24180	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
DAHOWA__HYDRO 323763	81.70 6.03 0.00	132.80 9.77 0.00	68.69 4.90 0.00	129.05 8.93 0.00	80.81 4.61 -14.09	98.71 1.51 -76.93	155.09 2.50 -123.08	429.16 3.95 -380.09	1175.11 3.07 -1135.96	602.98 2.49 -570.18	219.77 4.31 -162.49	169.22 6.83 -75.25	213.87 14.64 0.00	158.06 10.34 0.00	144.19 10.28 0.00	144.66 10.06 0.00	112.12 8.76 0.00	290.69 19.31 -60.65	335.57 10.23 -214.99	259.01 8.20 -160.98	208.39 16.39 0.00	164.65 13.03 0.00	140.05 10.36 0.00	142.70 10.16 -11.05
DANC__LFGE 323619	74.00 -1.68 0.00	120.23 -2.79 0.00	62.20 -1.59 0.00	116.70 -3.42 0.00	60.20 -1.91 0.00	19.70 -0.57 0.00	28.84 -0.67 0.00	46.03 -1.09 -2.00	35.33 -0.75 0.00	29.70 -0.61 0.00	51.74 -1.23 0.00	84.71 -2.44 0.00	193.38 -5.86 0.00	142.63 -5.09 0.00	129.75 -4.17 0.00	130.19 -4.41 0.00	100.75 -2.62 0.00	210.59 -3.18 -3.05	117.93 -1.54 -9.11	97.25 -0.38 -7.80	192.19 0.19 0.00	151.54 -0.09 0.00	128.18 -1.51 0.00	119.88 -1.86 -0.25
DANSKAMMER__1 23586	80.67 4.99 0.00	130.40 7.37 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.74 3.26 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.44 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.17 3.33 -15.87	99.99 5.49 -7.35	211.37 12.14 0.00	156.71 8.99 0.00	142.74 8.83 0.00	143.44 8.90 0.06	111.37 8.01 0.00	275.88 16.97 -48.19	271.63 9.14 -152.13	221.85 7.23 -124.80	206.45 14.44 0.00	162.81 11.18 0.00	138.57 8.88 0.00	134.59 8.56 -4.53
DANSKAMMER__2 23589	80.67 4.99 0.00	130.40 7.37 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.74 3.26 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.44 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.17 3.33 -15.87	99.99 5.49 -7.35	211.37 12.14 0.00	156.71 8.99 0.00	142.74 8.83 0.00	143.44 8.90 0.06	111.37 8.01 0.00	275.88 16.97 -48.19	271.63 9.14 -152.13	221.85 7.23 -124.80	206.45 14.44 0.00	162.81 11.18 0.00	138.57 8.88 0.00	134.59 8.56 -4.53
DANSKAMMER__3 23590	80.67 4.99 0.00	130.40 7.37 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.74 3.26 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.44 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.17 3.33 -15.87	99.99 5.49 -7.35	211.37 12.14 0.00	156.71 8.99 0.00	142.74 8.83 0.00	143.44 8.90 0.06	111.37 8.01 0.00	275.88 16.97 -48.19	271.63 9.14 -152.13	221.85 7.23 -124.80	206.45 14.44 0.00	162.81 11.18 0.00	138.57 8.88 0.00	134.59 8.56 -4.53

DANSKAMMER___4 23591	80.67 4.99 0.00	130.40 7.37 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.74 3.26 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.44 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.17 3.33 -15.87	99.99 5.49 -7.35	211.37 12.14 0.00	156.71 8.99 0.00	142.74 8.83 0.00	143.44 8.90 0.06	111.37 8.01 0.00	275.88 16.97 -48.19	271.63 9.14 -152.13	221.85 7.23 -124.80	206.45 14.44 0.00	162.81 11.18 0.00	138.57 8.88 0.00	134.59 8.56 -4.53
DANSKAMMER___DIESEL 23592	80.67 4.99 0.00	130.39 7.36 0.00	67.35 3.56 0.00	126.26 6.13 0.00	66.75 3.27 -1.38	29.02 1.23 -7.51	43.50 1.97 -12.02	113.45 3.32 -65.00	149.59 2.54 -110.97	87.97 1.96 -55.70	72.18 3.33 -15.87	99.99 5.48 -7.35	211.34 12.11 0.00	156.74 9.01 0.00	142.73 8.82 0.00	143.43 8.89 0.06	111.39 8.03 0.00	275.84 16.93 -48.19	271.61 9.12 -152.13	221.85 7.22 -124.80	206.48 14.48 0.00	162.84 11.21 0.00	138.57 8.88 0.00	134.60 8.57 -4.53
DARBY___SOLAR 323810	81.17 5.49 0.00	131.91 8.89 0.00	68.24 4.45 0.00	128.19 8.06 0.00	80.15 4.17 -13.87	97.35 1.35 -75.72	152.91 2.25 -121.15	423.34 3.55 -374.67	1156.97 2.76 -1118.13	593.78 2.24 -561.22	216.76 3.85 -159.94	167.33 6.11 -74.07	212.36 13.12 0.00	156.91 9.19 0.00	143.22 9.30 0.00	143.67 9.07 0.00	111.26 7.90 0.00	288.65 17.40 -60.52	333.76 9.23 -214.17	257.82 7.40 -160.59	206.71 14.71 0.00	163.38 11.75 0.00	139.06 9.37 0.00	141.67 9.24 -10.94
DASHVILLE___HYD 23610	79.66 3.98 0.00	128.89 5.86 0.00	66.60 2.81 0.00	124.90 4.78 0.00	66.97 2.53 -2.33	33.90 0.94 -12.69	51.31 1.49 -20.31	136.55 2.47 -88.96	225.71 1.89 -187.75	125.98 1.43 -94.24	82.23 2.40 -26.86	103.76 4.18 -12.43	208.48 9.25 0.00	154.75 7.02 0.00	140.63 6.71 0.00	141.39 6.85 0.06	109.76 6.40 0.00	273.63 13.29 -49.63	275.33 7.06 -157.91	224.17 5.61 -128.73	203.43 11.43 0.00	160.54 8.91 0.00	136.68 6.99 0.00	133.21 6.77 -4.95
DEERFIELD_69_KV_DEERFIELD LD 355887	94.46 7.50 -11.28	132.87 9.84 0.00	68.06 4.27 0.00	127.37 7.24 0.00	66.79 3.37 -1.31	32.03 1.49 -10.27	47.77 2.45 -15.80	112.89 4.24 -63.53	145.03 3.03 -105.91	85.81 2.33 -53.16	72.21 4.09 -15.15	99.97 5.80 -7.02	211.58 12.34 0.00	156.69 8.97 0.00	144.04 10.12 0.00	145.01 10.46 0.06	114.09 10.13 -0.59	278.94 19.96 -48.25	274.26 11.65 -152.25	223.70 8.91 -124.96	210.62 18.61 0.00	165.33 13.70 0.00	140.65 10.96 0.00	136.65 10.64 -4.52
DELAWARE___LFGE 323621	77.86 2.18 0.00	126.51 3.48 0.00	65.46 1.67 0.00	122.92 2.79 0.00	65.52 1.45 -1.96	31.50 0.53 -10.71	47.49 0.85 -17.13	107.59 1.36 -61.10	195.30 1.07 -158.14	110.49 0.80 -79.38	76.87 1.28 -22.62	99.88 2.26 -10.48	204.14 4.91 0.00	151.59 3.86 0.00	137.84 3.92 0.00	138.31 3.91 0.20	106.91 3.57 0.01	238.79 7.20 -20.87	183.68 4.03 -69.30	147.62 3.19 -54.60	198.33 6.33 0.00	156.58 4.95 0.00	133.54 3.85 0.00	127.82 3.76 -2.57
DERFIELD_115KV_TB7 355931	76.11 0.43 0.00	123.77 0.74 0.00	64.10 0.31 0.00	120.60 0.48 0.00	62.35 0.25 0.00	20.37 0.10 0.00	29.67 0.16 0.00	45.39 0.27 0.00	36.26 0.18 0.00	30.43 0.12 0.00	53.17 0.20 0.00	87.54 0.39 0.00	199.85 0.61 0.00	148.18 0.45 0.00	134.44 0.52 0.00	134.99 0.38 0.00	103.98 0.61 0.00	212.14 1.42 0.00	111.15 0.80 0.00	90.48 0.65 0.00	193.15 1.15 0.00	152.61 0.99 0.00	130.48 0.80 0.00	122.35 0.86 0.00
DOGLEVILLE___HYD 23807	80.31 4.63 0.00	130.96 7.93 0.00	67.75 3.96 0.00	126.81 6.68 0.00	65.39 3.28 0.00	21.35 1.07 0.00	31.33 1.82 0.00	48.45 3.32 0.00	38.59 2.51 0.00	31.79 1.47 0.00	55.28 2.31 0.00	91.16 4.02 0.00	205.98 6.75 0.00	153.44 5.72 0.00	139.97 6.05 0.00	139.81 5.21 0.00	109.48 6.12 0.00	225.02 14.29 0.00	118.33 7.98 0.00	96.00 6.17 0.00	203.37 11.36 0.00	159.88 8.25 0.00	136.85 7.17 0.00	129.43 7.94 0.00
DUNKIRK___115KV_TB_200 55889	29.98 -6.71 38.99	61.20 -10.76 51.06	54.83 -6.15 2.81	96.59 -11.72 11.81	52.39 -5.93 3.79	11.60 -1.65 7.02	18.24 -2.61 8.66	33.89 -4.43 6.79	18.06 -3.71 14.31	8.79 -3.24 18.29	28.39 -5.93 18.65	56.49 -9.87 20.79	99.61 -23.09 76.53	85.69 -16.79 45.25	72.73 -15.26 45.92	67.49 -15.86 51.24	52.82 -11.67 38.87	145.98 -19.79 44.95	84.39 -10.18 15.79	65.76 -8.68 15.38	128.08 -17.11 46.81	105.99 -13.04 32.60	115.99 -9.04 4.65	114.76 -7.40 -0.66
DUNKIRK___1 23563	29.98 -6.71 38.99	61.20 -10.76 51.06	54.83 -6.15 2.81	96.59 -11.72 11.81	52.39 -5.93 3.79	11.60 -1.65 7.02	18.24 -2.61 8.66	33.89 -4.43 6.79	18.06 -3.71 14.31	8.79 -3.24 18.29	28.39 -5.93 18.65	56.49 -9.87 20.79	99.61 -23.09 76.53	85.69 -16.79 45.25	72.73 -15.26 45.92	67.49 -15.86 51.24	52.82 -11.67 38.87	145.98 -19.79 44.95	84.39 -10.18 15.79	65.76 -8.68 15.38	128.08 -17.11 46.81	105.99 -13.04 32.60	115.99 -9.04 4.65	114.76 -7.40 -0.66
DUNKIRK___2 23564	29.98 -6.71 38.99	61.20 -10.76 51.06	54.83 -6.15 2.81	96.59 -11.72 11.81	52.39 -5.93 3.79	11.60 -1.65 7.02	18.24 -2.61 8.66	33.89 -4.43 6.79	18.06 -3.71 14.31	8.79 -3.24 18.29	28.39 -5.93 18.65	56.49 -9.87 20.79	99.61 -23.09 76.53	85.69 -16.79 45.25	72.73 -15.26 45.92	67.49 -15.86 51.24	52.82 -11.67 38.87	145.98 -19.79 44.95	84.39 -10.18 15.79	65.76 -8.68 15.38	128.08 -17.11 46.81	105.99 -13.04 32.60	115.99 -9.04 4.65	114.76 -7.40 -0.66
DUNKIRK___3 23565	30.90 -6.63 38.14	62.45 -10.63 49.95	54.96 -6.09 2.75	97.07 -11.51 11.56	52.57 -5.83 3.71	11.76 -1.65 6.87	18.43 -2.60 8.47	33.16 -4.41 7.55	17.09 -3.70 15.29	8.50 -3.27 18.54	27.96 -5.97 19.04	55.02 -9.94 22.20	98.72 -23.06 77.46	82.51 -16.68 48.53	69.21 -15.16 49.55	62.72 -15.81 56.07	51.11 -11.62 40.63	140.47 -20.03 50.23	80.02 -10.35 19.99	61.77 -8.89 19.17	122.99 -17.67 51.34	102.34 -13.50 35.78	115.00 -9.58 5.11	114.14 -8.01 -0.65
DUNKIRK___4 23566	30.90 -6.63 38.14	62.45 -10.63 49.95	54.96 -6.09 2.75	97.07 -11.51 11.56	52.57 -5.83 3.71	11.76 -1.65 6.87	18.43 -2.60 8.47	33.16 -4.41 7.55	17.09 -3.70 15.29	8.50 -3.27 18.54	27.96 -5.97 19.04	55.02 -9.94 22.20	98.72 -23.06 77.46	82.51 -16.68 48.53	69.21 -15.16 49.55	62.72 -15.81 56.07	51.11 -11.62 40.63	140.47 -20.03 50.23	80.02 -10.35 19.99	61.77 -8.89 19.17	122.99 -17.67 51.34	102.34 -13.50 35.78	115.00 -9.58 5.11	114.14 -8.01 -0.65
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	80.23 4.55 0.00	129.56 6.53 0.00	66.90 3.11 0.00	125.30 5.18 0.00	66.20 2.79 -1.31	28.55 1.10 -7.17	42.75 1.77 -11.48	111.67 3.00 -63.54	144.32 2.30 -105.94	85.34 1.85 -53.17	71.31 3.19 -15.15	99.21 5.05 -7.02	210.38 11.14 0.00	156.18 8.46 0.00	142.32 8.40 0.00	142.83 8.29 0.06	110.86 7.50 0.00	274.47 15.47 -48.27	271.03 8.37 -152.30	221.43 6.60 -124.99	205.09 13.08 0.00	161.80 10.17 0.00	137.65 7.96 0.00	133.78 7.77 -4.52
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	79.91 4.24 0.00	129.17 6.15 0.00	66.73 2.94 0.00	125.09 4.97 0.00	66.09 2.65 -1.33	28.58 1.03 -7.28	42.82 1.67 -11.64	110.95 2.82 -63.01	145.74 2.14 -107.51	85.92 1.64 -53.96	71.14 2.79 -15.38	98.83 4.56 -7.12	209.19 9.95 0.00	155.20 7.47 0.00	141.30 7.39 0.00	141.97 7.43 0.06	110.20 6.84 0.00	271.89 14.42 -46.75	265.74 7.82 -147.56	217.06 6.18 -121.06	204.28 12.28 0.00	161.14 9.52 0.00	137.17 7.49 0.00	133.13 7.24 -4.40

E179THST_138_KV_TB4_REV_LBMP_J 345001	80.41 4.73 0.00	129.64 6.61 0.00	67.01 3.22 0.00	125.26 5.14 0.00	66.25 2.83 -1.31	28.62 1.18 -7.17	42.76 1.77 -11.48	111.70 3.03 -63.55	144.34 2.31 -105.95	85.37 1.88 -53.18	71.36 3.24 -15.15	99.19 5.02 -7.02	210.59 11.35 0.00	156.24 8.52 0.00	142.27 8.36 0.00	142.91 8.36 0.06	110.83 7.47 0.00	274.14 15.14 -48.27	270.93 8.26 -152.31	221.43 6.60 -125.00	204.91 12.90 0.00	161.79 10.16 0.00	137.64 7.96 0.00	133.85 7.83 -4.52
E179THST_13_KV_LOAD 356214	80.74 5.06 0.00	130.13 7.11 0.00	67.26 3.47 0.00	125.74 5.62 0.00	66.50 3.07 -1.31	28.71 1.26 -7.17	42.89 1.90 -11.48	111.91 3.24 -63.55	144.52 2.49 -105.95	85.51 2.02 -53.18	71.62 3.50 -15.15	99.61 5.44 -7.02	211.58 12.35 0.00	156.97 9.25 0.00	142.92 9.00 0.00	143.58 9.04 0.06	111.36 8.00 0.00	275.26 16.27 -48.27	271.51 8.85 -152.31	221.92 7.09 -125.00	205.95 13.95 0.00	162.57 10.94 0.00	138.27 8.58 0.00	134.41 8.39 -4.52
EAST HAMPTON___GT 23717	94.75 7.79 -11.28	131.55 8.52 0.00	66.96 3.17 0.00	125.31 5.18 0.00	65.74 2.32 -1.31	31.70 1.16 -10.27	47.38 2.06 -15.80	112.30 3.65 -63.53	144.52 2.52 -105.91	85.38 1.90 -53.16	71.38 3.26 -15.15	98.53 4.36 -7.02	208.52 9.28 0.00	154.12 6.39 0.00	141.98 8.07 0.00	143.06 8.51 0.06	112.27 8.31 -0.59	275.08 16.10 -48.25	272.75 10.14 -152.25	222.52 7.74 -124.96	208.07 16.07 0.00	163.22 11.59 0.00	138.81 9.12 0.00	134.85 8.84 -4.52
EAST RIVER___6 23660	80.35 4.67 0.00	129.65 6.62 0.00	66.96 3.17 0.00	125.37 5.25 0.00	66.29 2.86 -1.31	28.61 1.17 -7.17	42.77 1.79 -11.48	111.75 3.08 -63.54	144.42 2.40 -105.93	85.43 1.95 -53.17	71.49 3.37 -15.15	99.51 5.34 -7.02	211.01 11.77 0.00	156.59 8.87 0.00	142.75 8.83 0.00	143.45 8.91 0.06	111.31 7.95 0.00	275.29 16.30 -48.27	271.40 8.75 -152.29	221.73 6.91 -124.99	205.55 13.54 0.00	162.17 10.54 0.00	137.80 8.11 0.00	133.87 7.85 -4.52
EAST RIVER___7 23524	80.35 4.67 0.00	129.65 6.62 0.00	66.96 3.17 0.00	125.37 5.25 0.00	66.29 2.86 -1.31	28.61 1.17 -7.17	42.77 1.79 -11.48	111.75 3.08 -63.54	144.42 2.40 -105.93	85.43 1.95 -53.17	71.49 3.37 -15.15	99.51 5.34 -7.02	211.01 11.77 0.00	156.59 8.87 0.00	142.75 8.83 0.00	143.45 8.91 0.06	111.31 7.95 0.00	275.29 16.30 -48.27	271.40 8.75 -152.29	221.73 6.91 -124.99	205.55 13.54 0.00	162.17 10.54 0.00	137.80 8.11 0.00	133.87 7.85 -4.52
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	80.08 4.40 0.00	129.34 6.31 0.00	66.79 3.00 0.00	125.17 5.05 0.00	66.11 2.69 -1.31	28.50 1.07 -7.16	42.68 1.71 -11.45	111.45 2.91 -63.42	144.07 2.23 -105.75	85.19 1.79 -53.08	71.17 3.07 -15.12	99.03 4.87 -7.01	209.98 10.74 0.00	155.85 8.12 0.00	141.99 8.08 0.00	142.53 7.98 0.06	110.63 7.27 0.00	273.92 15.03 -48.16	270.45 8.12 -151.97	220.94 6.39 -124.73	204.67 12.67 0.00	161.47 9.84 0.00	137.39 7.70 0.00	133.53 7.53 -4.51
EAST_HAMPTON___DIESEL 23722	94.67 7.71 -11.28	131.20 8.17 0.00	66.74 2.95 0.00	124.93 4.81 0.00	65.53 2.11 -1.31	31.63 1.09 -10.27	47.29 1.97 -15.80	112.16 3.51 -63.53	144.41 2.42 -105.91	85.28 1.81 -53.16	71.22 3.10 -15.15	98.25 4.09 -7.02	207.86 8.62 0.00	153.66 5.94 0.00	141.55 7.64 0.00	142.64 8.10 0.06	111.95 7.99 -0.59	274.46 15.48 -48.25	272.39 9.78 -152.25	222.24 7.46 -124.96	207.49 15.48 0.00	162.77 11.14 0.00	138.41 8.72 0.00	134.45 8.44 -4.52
EAST_POINT___SOLAR 323840	81.17 5.49 0.00	132.00 8.98 0.00	68.36 4.56 0.00	128.55 8.42 0.00	80.60 4.44 -14.06	98.50 1.51 -76.72	154.64 2.38 -122.75	431.81 3.69 -382.99	1171.80 2.82 -1132.89	600.71 1.76 -568.64	217.32 2.29 -162.06	166.64 4.43 -75.06	207.28 8.04 0.00	156.48 8.76 0.00	142.07 8.15 0.00	142.91 8.38 0.06	111.59 8.23 0.00	295.59 18.41 -66.46	352.22 9.82 -232.05	273.51 7.87 -175.81	208.46 16.45 0.00	164.39 12.76 0.00	140.14 10.45 0.00	142.35 9.32 -11.54
EAST_PULASKI___ESR 323781	73.50 -2.18 0.00	119.35 -3.68 0.00	61.81 -1.98 0.00	116.07 -4.05 0.00	60.01 -2.10 0.00	19.68 -0.60 0.00	28.72 -0.79 0.00	46.10 -1.32 -2.30	35.11 -0.98 0.00	29.49 -0.82 0.00	51.35 -1.62 0.00	84.27 -2.88 0.00	192.34 -6.90 0.00	142.31 -5.41 0.00	129.38 -4.54 0.00	129.88 -4.72 0.00	100.30 -3.07 0.00	209.26 -4.96 -3.49	118.40 -2.40 -10.44	97.08 -1.69 -8.94	188.51 -3.49 0.00	148.76 -2.87 0.00	126.59 -3.10 0.00	118.86 -2.92 -0.28
EAST_RIVER___1 323558	80.39 4.71 0.00	129.71 6.68 0.00	66.98 3.19 0.00	125.40 5.28 0.00	66.30 2.88 -1.31	28.61 1.16 -7.17	42.79 1.81 -11.48	111.75 3.08 -63.54	144.41 2.39 -105.93	85.43 1.95 -53.17	71.47 3.35 -15.15	99.44 5.27 -7.02	210.87 11.63 0.00	156.58 8.86 0.00	142.73 8.82 0.00	143.34 8.79 0.06	111.22 7.86 0.00	275.15 16.16 -48.27	271.37 8.72 -152.29	221.69 6.88 -124.99	205.47 13.46 0.00	162.15 10.52 0.00	137.84 8.15 0.00	133.95 7.94 -4.52
EAST_RIVER___2 323559	80.35 4.67 0.00	129.65 6.62 0.00	66.96 3.17 0.00	125.37 5.25 0.00	66.29 2.86 -1.31	28.61 1.17 -7.17	42.77 1.79 -11.48	111.75 3.08 -63.54	144.42 2.40 -105.93	85.43 1.95 -53.17	71.49 3.37 -15.15	99.51 5.34 -7.02	211.01 11.77 0.00	156.59 8.87 0.00	142.75 8.83 0.00	143.45 8.91 0.06	111.31 7.95 0.00	275.29 16.30 -48.27	271.40 8.75 -152.29	221.73 6.91 -124.99	205.55 13.54 0.00	162.17 10.54 0.00	137.80 8.11 0.00	133.87 7.85 -4.52
EAST___DELAWARE_HYD 23607	78.40 2.73 0.00	126.75 3.72 0.00	65.47 1.68 0.00	122.77 2.65 0.00	65.06 1.48 -1.47	28.94 0.65 -8.02	43.48 1.13 -12.84	111.71 2.02 -64.56	156.17 1.50 -118.58	90.80 0.97 -59.52	71.59 1.65 -16.96	97.73 2.72 -7.86	204.80 5.57 0.00	151.69 3.97 0.00	137.84 3.93 0.00	139.08 4.54 0.06	108.09 4.73 0.00	265.31 10.53 -44.06	255.56 5.83 -139.37	208.58 4.61 -114.14	200.92 8.91 0.00	158.47 6.84 0.00	134.75 5.06 0.00	131.40 5.70 -4.21
EIGHT_POINT___WT_PWR 323820	-19.85 -7.07 88.45	-6.22 -12.46 116.79	50.30 -7.07 6.42	79.75 -13.80 26.58	46.89 -7.04 8.18	4.34 -2.00 13.94	9.94 -3.08 16.49	72.84 -4.69 -32.41	88.16 -3.73 -55.80	30.11 -3.26 -3.06	46.14 -6.00 0.83	119.83 -9.70 -42.38	127.50 -21.08 50.65	260.18 -10.96 -123.41	259.45 -8.45 -133.98	290.77 -7.36 -163.53	202.15 -5.74 -104.52	387.90 -10.44 -187.62	267.89 -5.40 -162.93	232.05 -4.37 -146.59	337.09 -10.15 -155.24	252.00 -8.84 -109.21	137.61 -7.67 -15.58	116.38 -6.07 -0.96
ELBRIDGE_115KV_TB2 80188	74.15 -1.53 0.00	120.32 -2.71 0.00	62.37 -1.42 0.00	117.21 -2.91 0.00	60.64 -1.46 0.00	19.90 -0.37 0.00	28.96 -0.56 0.00	47.66 -0.90 -3.43	35.37 -0.71 0.00	29.64 -0.67 0.00	51.64 -1.33 0.00	84.94 -2.21 0.00	194.03 -5.20 0.00	143.94 -3.78 0.00	130.77 -3.14 0.00	131.37 -3.23 0.00	101.30 -2.06 0.00	212.39 -3.52 -5.19	124.26 -1.63 -15.53	101.66 -1.47 -13.31	188.42 -3.59 0.00	148.58 -3.05 0.00	127.00 -2.69 0.00	119.66 -2.25 -0.42
ELEC_TRO_TEK 24086	92.31 5.35 -11.28	130.81 7.78 0.00	67.47 3.68 0.00	126.36 6.23 0.00	66.70 3.28 -1.31	31.85 1.31 -10.27	47.39 2.07 -15.80	112.09 3.44 -63.53	144.59 2.59 -105.91	85.60 2.13 -53.16	71.84 3.73 -15.15	99.88 5.71 -7.02	211.96 12.72 0.00	157.17 9.45 0.00	143.26 9.34 0.00	143.77 9.23 0.06	112.70 8.75 -0.59	276.09 17.11 -48.25	272.01 9.40 -152.25	222.03 7.25 -124.96	206.99 14.98 0.00	163.03 11.39 0.00	138.67 8.98 0.00	134.81 8.80 -4.52

ELLENBURG_WT_PWR 323604	75.97 0.29 0.00	123.53 0.50 0.00	64.18 0.39 0.00	121.78 1.66 0.00	62.81 0.71 0.00	20.35 0.08 0.00	29.55 0.04 0.00	45.06 -0.06 0.00	36.15 0.06 0.00	30.63 0.31 0.00	53.50 0.53 0.00	86.89 -0.26 0.00	198.68 -0.56 0.00	148.07 0.35 0.00	134.19 0.27 0.00	134.46 -0.14 0.00	101.73 -1.64 0.00	206.37 -4.36 0.00	107.94 -2.42 0.00	87.99 -1.84 0.00	189.55 -2.46 0.00	149.35 -2.27 0.00	127.50 -2.19 0.00	118.53 -2.96 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	32.90 -6.73 36.05	64.91 -10.93 47.19	55.08 -6.12 2.60	97.80 -11.40 10.92	52.90 -5.70 3.50	12.13 -1.66 6.49	18.86 -2.64 8.01	33.11 -4.50 7.51	17.12 -3.83 15.13	9.01 -3.44 17.87	28.25 -6.30 18.42	54.64 -10.54 21.97	100.58 -24.06 74.59	82.46 -17.34 47.93	68.96 -15.83 49.12	61.68 -16.58 56.33	51.94 -12.25 39.17	138.26 -21.84 50.62	78.26 -11.30 20.80	60.13 -9.80 19.89	120.61 -19.93 51.47	100.40 -15.35 35.88	113.17 -11.39 5.12	112.35 -9.77 -0.63
EMPIRE_CC_1 323656	79.08 3.41 0.00	128.45 5.42 0.00	66.47 2.68 0.00	124.78 4.66 0.00	68.50 2.38 -4.02	42.93 0.72 -21.93	65.67 1.08 -35.08	181.23 1.66 -134.44	361.06 1.17 -323.80	193.84 1.01 -162.52	101.27 1.99 -46.32	111.96 3.37 -21.44	206.51 7.28 0.00	153.02 5.30 0.00	139.07 5.15 0.00	139.21 4.61 0.00	107.33 3.97 0.00	275.87 8.29 -56.85	298.72 4.56 -183.80	241.40 3.61 -147.97	198.73 6.72 0.00	157.43 5.80 0.00	134.52 4.84 0.00	132.97 5.15 -6.33
EMPIRE_CC_2 323658	79.08 3.41 0.00	128.45 5.42 0.00	66.47 2.68 0.00	124.78 4.66 0.00	68.50 2.38 -4.02	42.93 0.72 -21.93	65.67 1.08 -35.08	181.23 1.66 -134.44	361.06 1.17 -323.80	193.84 1.01 -162.52	101.27 1.99 -46.32	111.96 3.37 -21.44	206.51 7.28 0.00	153.02 5.30 0.00	139.07 5.15 0.00	139.21 4.61 0.00	107.33 3.97 0.00	275.87 8.29 -56.85	298.72 4.56 -183.80	241.40 3.61 -147.97	198.73 6.72 0.00	157.43 5.80 0.00	134.52 4.84 0.00	132.97 5.15 -6.33
ENORWICH_115KV_TB1 80156	136.05 2.11 -58.26	205.98 3.49 -79.46	69.93 1.78 -4.37	140.10 3.06 -16.91	70.42 2.00 -6.31	36.11 0.94 -14.90	51.11 1.45 -20.15	85.89 2.22 -38.55	116.38 1.70 -78.60	86.82 1.11 -55.40	82.79 1.16 -28.67	105.13 3.06 -14.91	292.57 10.88 -82.45	170.48 9.58 -13.17	155.00 9.46 -11.62	153.48 10.49 -8.38	120.43 7.66 -9.40	245.56 10.73 -24.12	173.10 5.94 -56.81	139.62 4.75 -45.05	209.27 8.81 -8.46	163.46 6.17 -5.65	135.15 4.66 -0.81	127.33 4.23 -1.61
ERIE_ST__34_KV_TB1-2 80199	32.41 -5.35 37.92	64.70 -8.70 49.63	56.00 -5.06 2.73	99.33 -9.30 11.49	53.76 -4.66 3.69	12.11 -1.33 6.83	18.97 -2.11 8.43	35.47 -3.02 6.06	19.69 -3.02 13.38	10.04 -2.76 17.51	30.14 -5.04 17.78	59.39 -8.33 19.42	107.48 -18.44 73.31	93.77 -13.16 40.80	80.33 -12.03 41.56	74.50 -12.75 47.35	61.27 -9.24 32.85	153.90 -16.03 40.80	89.24 -8.49 12.62	69.64 -7.62 12.56	134.08 -14.74 43.18	110.23 -11.35 30.05	116.99 -8.40 4.29	114.91 -7.24 -0.66
ERIE_WT_PWR 323693	31.89 -6.34 37.45	63.62 -10.39 49.02	55.24 -5.85 2.70	97.87 -10.91 11.35	53.04 -5.43 3.64	11.94 -1.59 6.74	18.67 -2.52 8.32	33.80 -4.21 7.11	17.85 -3.54 14.70	8.98 -3.29 18.04	28.56 -5.92 18.48	55.91 -9.90 21.33	101.27 -22.57 75.40	86.08 -15.86 45.78	72.27 -14.80 46.84	65.24 -15.74 53.62	55.24 -11.15 36.97	142.83 -20.25 47.64	81.61 -10.65 18.10	63.28 -9.07 17.48	125.17 -17.78 49.05	103.56 -13.89 34.17	114.43 -10.38 4.88	113.17 -8.97 -0.65
ESPRGFLD_115KV_TB1 80157	78.25 2.57 0.00	127.24 4.22 0.00	65.93 2.14 0.00	123.91 3.79 0.00	74.18 2.01 -10.06	75.92 0.73 -54.92	118.57 1.20 -87.86	289.67 1.81 -242.74	848.40 1.39 -810.93	438.35 1.00 -407.03	170.48 1.51 -116.00	143.33 2.45 -53.73	205.06 5.83 0.00	152.85 5.13 0.00	139.03 5.11 0.00	139.70 5.21 0.11	108.06 4.71 0.01	220.18 9.45 0.00	139.99 5.07 -24.56	97.99 4.09 -4.07	200.51 8.50 0.00	158.32 6.69 0.00	134.93 5.24 0.00	130.37 4.49 -4.39
ETNA_115_KV_TB1_REV_LBMP_C 345029	216.30 0.13 -140.49	310.98 0.00 -187.95	74.03 -0.09 -10.34	161.30 -0.46 -41.63	75.72 -0.14 -13.75	47.32 0.08 -26.96	63.73 0.15 -34.07	79.11 0.28 -33.70	84.81 0.21 -48.51	93.96 0.07 -63.58	101.94 -0.13 -49.10	112.17 -0.02 -25.04	399.12 -0.02 -199.90	175.02 0.37 -26.93	157.59 0.86 -22.81	149.79 0.90 -14.29	123.12 1.10 -18.66	239.41 2.65 -26.04	161.65 1.63 -49.66	129.28 1.26 -38.20	208.49 2.08 -14.40	162.24 1.20 -9.42	131.82 0.79 -1.34	123.54 1.00 -1.06
ETNA____115KV_TB2 80207	216.30 0.13 -140.49	310.98 0.00 -187.95	74.03 -0.09 -10.34	161.30 -0.46 -41.63	75.72 -0.14 -13.75	47.32 0.08 -26.96	63.73 0.15 -34.07	79.11 0.28 -33.70	84.81 0.21 -48.51	93.96 0.07 -63.58	101.94 -0.13 -49.10	112.17 -0.02 -25.04	399.12 -0.02 -199.90	175.02 0.37 -26.93	157.59 0.86 -22.81	149.79 0.90 -14.29	123.12 1.10 -18.66	239.41 2.65 -26.04	161.65 1.63 -49.66	129.28 1.26 -38.20	208.49 2.08 -14.40	162.24 1.20 -9.42	131.82 0.79 -1.34	123.54 1.00 -1.06
EUCLID____115KV_TB2 356179	73.71 -1.97 0.00	119.80 -3.22 0.00	62.02 -1.77 0.00	116.59 -3.53 0.00	60.33 -1.77 0.00	19.79 -0.48 0.00	28.83 -0.69 0.00	46.66 -1.17 -2.70	35.20 -0.88 0.00	29.52 -0.79 0.00	51.39 -1.58 0.00	84.54 -2.61 0.00	193.05 -6.18 0.00	143.14 -4.58 0.00	130.04 -3.88 0.00	130.53 -4.08 0.00	100.62 -2.74 0.00	209.86 -4.94 -4.08	120.16 -2.41 -12.21	98.18 -2.10 -10.46	187.22 -4.78 0.00	147.70 -3.93 0.00	126.23 -3.46 0.00	118.80 -3.02 -0.33
E_CANADA_CAP_HY 24051	79.40 3.72 0.00	129.24 6.22 0.00	66.98 3.19 0.00	126.03 5.90 0.00	78.26 3.09 -13.06	92.62 1.05 -71.29	145.24 1.67 -114.06	408.36 2.53 -360.70	1090.79 1.95 -1052.75	560.09 1.37 -528.41	205.67 2.11 -150.59	160.24 3.35 -69.75	206.54 7.30 0.00	154.15 6.42 0.00	140.08 6.16 0.00	140.57 6.04 0.07	108.90 5.54 0.00	291.77 12.01 -69.04	354.27 6.31 -237.60	276.99 5.09 -182.07	202.71 10.71 0.00	160.22 8.59 0.00	136.88 7.19 0.00	139.03 6.22 -11.32
E_CANADA_MHWK_HY 24050	80.31 4.63 0.00	130.96 7.93 0.00	67.75 3.96 0.00	126.81 6.68 0.00	65.39 3.28 0.00	21.35 1.07 0.00	31.33 1.82 0.00	48.45 3.32 0.00	38.59 2.51 0.00	31.79 1.47 0.00	55.28 2.31 0.00	91.16 4.02 0.00	205.98 6.75 0.00	153.44 5.72 0.00	139.97 6.05 0.00	139.81 5.21 0.00	109.48 6.12 0.00	225.02 14.29 0.00	118.33 7.98 0.00	96.00 6.17 0.00	203.37 11.36 0.00	159.88 8.25 0.00	136.85 7.17 0.00	129.43 7.94 0.00
E_FISHKILL____LBMP 23776	79.73 4.05 0.00	128.90 5.87 0.00	66.59 2.80 0.00	124.82 4.69 0.00	65.95 2.51 -1.34	28.54 0.97 -7.29	42.74 1.56 -11.67	112.52 2.67 -64.73	145.83 2.04 -107.71	85.99 1.62 -54.06	71.15 2.78 -15.41	98.75 4.47 -7.14	209.06 9.82 0.00	155.06 7.33 0.00	141.28 7.37 0.00	141.76 7.22 0.06	109.96 6.60 0.00	273.74 13.75 -49.27	273.22 7.43 -155.43	223.26 5.86 -127.58	203.55 11.54 0.00	160.64 9.01 0.00	136.76 7.07 0.00	133.11 7.00 -4.61
FALCON____SEABRD_CC1 323796	77.05 1.37 0.00	125.24 2.22 0.00	65.03 1.24 0.00	123.35 3.23 0.00	63.55 1.44 0.00	20.56 0.28 0.00	29.88 0.37 0.00	45.59 0.47 0.00	36.59 0.51 0.00	30.99 0.68 0.00	54.00 1.04 0.00	87.80 0.65 0.00	200.18 0.94 0.00	148.96 1.24 0.00	135.29 1.38 0.00	135.32 0.72 0.00	102.43 -0.94 0.00	207.90 -2.83 0.00	109.06 -1.30 0.00	88.75 -1.07 0.00	191.08 -0.93 0.00	150.91 -0.72 0.00	128.49 -1.20 0.00	119.35 -2.14 0.00

FALCON___SEABRD_CC2 323797	77.05 1.37 0.00	125.24 2.22 0.00	65.03 1.24 0.00	123.35 3.23 0.00	63.55 1.44 0.00	20.56 0.28 0.00	29.88 0.37 0.00	45.59 0.47 0.00	36.59 0.51 0.00	30.99 0.68 0.00	54.00 1.04 0.00	87.80 0.65 0.00	200.18 0.94 0.00	148.96 1.24 0.00	135.29 1.38 0.00	135.32 0.72 0.00	102.43 -0.94 0.00	207.90 -2.83 0.00	109.06 -1.30 0.00	88.75 -1.07 0.00	191.08 -0.93 0.00	150.91 -0.72 0.00	128.49 -1.20 0.00	119.35 -2.14 0.00
FAR ROCKAWAY___4 23548	92.88 5.92 -11.28	131.45 8.42 0.00	68.07 4.28 0.00	127.41 7.28 0.00	67.27 3.85 -1.31	31.98 1.44 -10.27	47.50 2.19 -15.80	112.27 3.62 -63.53	144.76 2.76 -105.91	85.80 2.33 -53.16	72.16 4.04 -15.15	100.58 6.41 -7.02	213.55 14.31 0.00	157.95 10.23 0.00	144.00 10.08 0.00	144.42 9.88 0.06	113.18 9.22 -0.59	278.05 19.07 -48.25	272.95 10.34 -152.25	222.77 7.99 -124.96	208.55 16.55 0.00	164.75 13.12 0.00	140.19 10.50 0.00	136.12 10.10 -4.52
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	80.40 4.72 0.00	129.73 6.71 0.00	67.02 3.23 0.00	125.45 5.32 0.00	66.32 2.90 -1.31	28.62 1.17 -7.17	42.81 1.82 -11.48	111.76 3.09 -63.54	144.43 2.40 -105.94	85.44 1.95 -53.17	71.49 3.37 -15.15	99.44 5.27 -7.02	210.86 11.62 0.00	156.63 8.91 0.00	142.72 8.80 0.00	143.31 8.77 0.06	111.23 7.87 0.00	275.13 16.14 -48.27	271.36 8.71 -152.29	221.70 6.88 -124.99	205.58 13.57 0.00	162.23 10.60 0.00	137.91 8.22 0.00	134.03 8.01 -4.52
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	80.45 4.77 0.00	129.80 6.77 0.00	67.04 3.25 0.00	125.52 5.39 0.00	66.34 2.92 -1.31	28.63 1.18 -7.17	42.82 1.83 -11.48	111.79 3.12 -63.54	144.44 2.42 -105.94	85.45 1.97 -53.17	71.50 3.38 -15.15	99.48 5.31 -7.02	210.95 11.72 0.00	156.72 8.99 0.00	142.76 8.84 0.00	143.33 8.79 0.06	111.28 7.92 0.00	275.29 16.30 -48.27	271.41 8.76 -152.29	221.75 6.93 -124.99	205.69 13.69 0.00	162.31 10.68 0.00	138.00 8.31 0.00	134.09 8.07 -4.52
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.29 2.87 -1.31	28.61 1.16 -7.17	42.79 1.80 -11.48	111.75 3.08 -63.54	144.40 2.38 -105.94	85.43 1.94 -53.17	71.45 3.33 -15.15	99.41 5.24 -7.02	210.82 11.58 0.00	156.57 8.85 0.00	142.65 8.74 0.00	143.23 8.68 0.06	111.19 7.84 0.00	275.08 16.09 -48.27	271.28 8.63 -152.29	221.64 6.82 -124.99	205.44 13.43 0.00	162.13 10.50 0.00	137.85 8.16 0.00	133.96 7.94 -4.52
FARRAGUT___LBMP 323566	80.31 4.63 0.00	129.61 6.58 0.00	66.93 3.14 0.00	125.31 5.18 0.00	66.24 2.83 -1.31	28.59 1.14 -7.17	42.77 1.78 -11.48	111.70 3.04 -63.54	144.37 2.34 -105.94	85.40 1.91 -53.17	71.39 3.27 -15.15	99.32 5.15 -7.02	210.62 11.38 0.00	156.42 8.70 0.00	142.52 8.60 0.00	143.10 8.56 0.06	111.09 7.73 0.00	274.87 15.88 -48.27	271.18 8.52 -152.29	221.57 6.75 -124.99	205.29 13.28 0.00	162.00 10.37 0.00	137.74 8.05 0.00	133.86 7.85 -4.52
FENNER___WINDPWR 24204	103.04 0.59 -26.78	159.84 1.07 -35.74	66.30 0.54 -1.97	129.00 0.92 -7.95	65.14 0.48 -2.55	25.24 0.24 -4.73	35.78 0.44 -5.83	52.47 0.74 -6.60	39.24 0.73 -2.42	39.73 0.53 -8.89	62.12 0.84 -8.31	92.05 1.34 -3.55	239.48 2.76 -37.48	152.73 2.02 -2.98	138.26 2.28 -2.07	136.40 1.81 0.01	106.90 1.78 -1.76	220.34 3.85 -5.76	130.43 2.08 -18.00	106.33 1.74 -14.75	195.64 3.45 -0.18	154.10 2.47 0.00	131.45 1.76 0.00	123.43 1.47 -0.47
FIBERTEK___ENERGY 23856	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
FITZPATRICK____ 23598	72.79 -2.88 0.00	118.24 -4.79 0.00	61.30 -2.50 0.00	115.22 -4.91 0.00	59.62 -2.49 0.00	19.55 -0.72 0.00	28.45 -1.06 0.00	45.25 -1.77 -1.90	34.72 -1.37 0.00	29.13 -1.18 0.00	50.71 -2.26 0.00	83.38 -3.77 0.00	190.41 -8.83 0.00	141.23 -6.50 0.00	128.16 -5.75 0.00	128.74 -5.91 -0.05	99.12 -4.24 0.00	205.44 -8.16 -2.88	114.86 -4.12 -8.62	93.73 -3.48 -7.38	184.38 -7.62 0.00	145.47 -6.16 0.00	124.43 -5.26 0.00	116.94 -4.79 -0.23
FLOWRFLD_69_KV_BK1 356044	93.66 6.70 -11.28	132.94 9.91 0.00	68.45 4.66 0.00	128.16 8.04 0.00	67.46 4.04 -1.31	32.18 1.64 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.06 2.58 -53.16	72.65 4.53 -15.15	100.93 6.76 -7.02	214.29 15.05 0.00	158.67 10.95 0.00	145.05 11.13 0.00	145.77 11.22 0.06	114.79 10.84 -0.59	279.63 20.65 -48.25	274.18 11.57 -152.25	223.65 8.86 -124.96	210.93 18.93 0.00	165.89 14.26 0.00	141.09 11.40 0.00	137.10 11.09 -4.52
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	80.87 5.20 0.00	130.70 7.68 0.00	67.52 3.73 0.00	126.57 6.45 0.00	66.91 3.43 -1.38	29.07 1.29 -7.51	43.58 2.06 -12.01	113.74 3.47 -65.15	149.61 2.65 -110.88	88.01 2.05 -55.66	72.32 3.49 -15.86	100.23 5.73 -7.35	211.96 12.72 0.00	157.19 9.47 0.00	143.15 9.23 0.00	143.83 9.28 0.06	111.71 8.35 0.00	276.77 17.60 -48.45	272.79 9.48 -152.95	222.82 7.52 -125.48	207.06 15.05 0.00	163.29 11.66 0.00	138.96 9.27 0.00	134.98 8.93 -4.56
FORT ORANGE____ 23900	78.83 3.15 0.00	128.28 5.26 0.00	66.38 2.59 0.00	124.58 4.46 0.00	72.41 2.24 -8.06	64.98 0.71 -44.00	100.72 0.81 -70.40	279.66 1.19 -233.34	686.98 0.94 -649.96	357.32 0.77 -326.24	147.14 1.20 -92.97	132.57 2.48 -42.94	203.30 4.06 0.00	150.66 2.94 0.00	136.14 2.22 0.00	136.57 1.97 0.00	105.80 2.44 0.00	274.57 5.27 -58.58	307.52 2.87 -194.30	245.32 2.22 -153.27	196.07 4.06 0.00	155.10 3.48 0.00	133.25 3.56 0.00	134.52 5.38 -7.64
FORT_DRUM_COGEN 23780	75.58 -0.10 0.00	122.82 -0.21 0.00	63.55 -0.24 0.00	119.18 -0.94 0.00	61.35 -0.76 0.00	20.05 -0.22 0.00	29.42 -0.09 0.00	46.54 -0.14 -1.56	36.13 0.05 0.00	30.44 0.13 0.00	53.07 0.10 0.00	86.56 -0.59 0.00	197.64 -1.60 0.00	145.23 -2.49 0.00	132.26 -1.66 0.00	132.61 -1.99 0.00	102.86 -0.51 0.00	215.12 2.00 -2.40	118.64 1.10 -7.18	98.11 2.13 -6.15	198.10 6.09 0.00	156.13 4.51 0.00	131.54 1.86 0.00	122.48 0.79 -0.20
FOX_HILLS___ESR 323835	80.35 4.67 0.00	129.40 6.38 0.00	66.99 3.20 0.00	125.13 5.01 0.00	62.46 2.66 2.30	57.27 1.20 -35.80	58.89 1.83 -27.55	101.54 3.01 -53.41	106.89 2.25 -68.55	81.61 1.82 -49.47	58.41 3.15 -2.29	56.38 4.89 35.66	151.81 11.01 58.44	135.80 8.37 20.29	102.97 8.32 39.27	108.35 8.31 34.56	77.29 7.12 33.19	260.96 13.98 -36.25	270.37 7.70 -152.31	221.09 6.26 -125.00	204.53 12.52 0.00	161.82 10.19 0.00	137.70 8.01 0.00	134.31 8.30 -4.52
FPL FAR_ROCK_GT1 24212	92.91 5.95 -11.28	131.47 8.44 0.00	68.07 4.28 0.00	127.41 7.28 0.00	67.26 3.84 -1.31	31.99 1.45 -10.27	47.51 2.19 -15.80	112.26 3.61 -63.53	144.76 2.76 -105.91	85.80 2.33 -53.16	72.15 4.03 -15.15	100.57 6.40 -7.02	213.57 14.33 0.00	157.87 10.14 0.00	144.03 10.11 0.00	144.46 9.91 0.06	113.16 9.20 -0.59	278.08 19.10 -48.25	272.97 10.36 -152.25	222.77 7.99 -124.96	208.50 16.49 0.00	164.73 13.10 0.00	140.19 10.50 0.00	136.11 10.10 -4.52



FPL FAR_ROCK_GT2 23815	92.91 5.95 -11.28	131.47 8.44 0.00	68.07 4.28 0.00	127.41 7.28 0.00	67.26 3.84 -1.31	31.99 1.45 -10.27	47.51 2.19 -15.80	112.26 3.61 -63.53	144.76 2.76 -105.91	85.80 2.33 -53.16	72.15 4.03 -15.15	100.57 6.40 -7.02	213.57 14.33 0.00	157.87 10.14 0.00	144.03 10.11 0.00	144.46 9.91 0.06	113.16 9.20 -0.59	278.08 19.10 -48.25	272.97 10.36 -152.25	222.77 7.99 -124.96	208.50 16.49 0.00	164.73 13.10 0.00	140.19 10.50 0.00	136.11 10.10 -4.52
FRANKLIN_FALL_HYD 24054	77.39 1.71 0.00	125.70 2.67 0.00	65.27 1.49 0.00	123.89 3.76 0.00	63.84 1.73 0.00	20.66 0.38 0.00	30.01 0.50 0.00	45.81 0.69 0.00	36.81 0.72 0.00	31.23 0.92 0.00	54.39 1.42 0.00	88.59 1.44 0.00	203.16 3.93 0.00	151.39 3.67 0.00	136.95 3.03 0.00	137.15 2.54 0.00	103.87 0.51 0.00	211.35 0.63 0.00	110.39 0.04 0.00	89.95 0.12 0.00	193.79 1.79 0.00	152.73 1.10 0.00	130.74 1.06 0.00	121.63 0.14 0.00
FREEPORT_EQUS_GT1 23764	92.48 5.52 -11.28	131.02 7.99 0.00	67.55 3.76 0.00	126.47 6.34 0.00	66.81 3.39 -1.31	31.96 1.42 -10.27	47.53 2.21 -15.80	112.30 3.65 -63.53	144.73 2.73 -105.91	85.70 2.23 -53.16	71.91 3.80 -15.15	99.88 5.72 -7.02	212.03 12.79 0.00	157.07 9.35 0.00	143.34 9.42 0.00	143.85 9.31 0.06	112.87 8.91 -0.59	276.72 17.74 -48.25	272.02 9.42 -152.25	222.03 7.25 -124.96	206.98 14.98 0.00	163.33 11.70 0.00	138.97 9.29 0.00	135.07 9.05 -4.52
FREEPORT___CT2 23818	92.48 5.52 -11.28	131.02 7.99 0.00	67.55 3.76 0.00	126.47 6.34 0.00	66.81 3.39 -1.31	31.96 1.42 -10.27	47.53 2.21 -15.80	112.30 3.65 -63.53	144.73 2.73 -105.91	85.70 2.23 -53.16	71.91 3.80 -15.15	99.88 5.72 -7.02	212.03 12.79 0.00	157.07 9.35 0.00	143.34 9.42 0.00	143.85 9.31 0.06	112.87 8.91 -0.59	276.72 17.74 -48.25	272.02 9.42 -152.25	222.03 7.25 -124.96	206.98 14.98 0.00	163.33 11.70 0.00	138.97 9.29 0.00	135.07 9.05 -4.52
FRESHKLS_33_KV_LOAD 356253	80.17 4.49 0.00	129.10 6.08 0.00	66.91 3.12 0.00	124.89 4.77 0.00	62.29 2.49 2.30	57.26 1.18 -35.80	58.85 1.79 -27.55	101.41 2.88 -53.41	106.78 2.15 -68.55	81.51 1.73 -49.47	58.25 2.99 -2.29	56.08 4.59 35.66	151.19 10.40 58.44	135.35 7.92 20.29	102.52 7.87 39.27	107.95 7.91 34.56	76.98 6.81 33.19	260.38 13.40 -36.25	270.08 7.41 -152.31	220.94 6.11 -125.00	204.44 12.43 0.00	161.75 10.12 0.00	137.73 8.04 0.00	134.35 8.34 -4.52
FULTON COGEN____ 23766	73.58 -2.10 0.00	119.38 -3.65 0.00	61.88 -1.91 0.00	116.30 -3.83 0.00	60.21 -1.90 0.00	19.76 -0.52 0.00	28.79 -0.72 0.00	46.42 -1.23 -2.53	35.10 -0.98 0.00	29.44 -0.88 0.00	51.23 -1.74 0.00	84.28 -2.87 0.00	192.38 -6.86 0.00	142.60 -5.12 0.00	129.59 -4.33 0.00	130.14 -4.46 0.00	100.35 -3.01 0.00	209.14 -5.41 -3.83	119.07 -2.73 -11.44	97.33 -2.30 -9.80	186.73 -5.27 0.00	147.29 -4.34 0.00	125.83 -3.86 0.00	118.34 -3.47 -0.31
FULTON___LFGE 323630	80.46 4.78 0.00	130.82 7.80 0.00	67.75 3.95 0.00	127.36 7.24 0.00	80.19 3.78 -14.31	99.65 1.29 -78.09	156.48 2.04 -124.93	436.91 3.18 -388.60	1191.63 2.48 -1153.07	610.83 1.75 -578.76	220.63 2.72 -164.94	167.69 4.15 -76.39	208.07 8.84 0.00	155.42 7.70 0.00	141.58 7.66 0.00	142.01 7.47 0.06	110.54 7.18 0.00	292.43 15.90 -65.81	349.43 8.43 -230.65	270.79 6.73 -174.24	205.97 13.97 0.00	162.56 10.93 0.00	138.59 8.90 0.00	141.13 8.04 -11.60
G.F.CEMENT___DRP 24184	82.54 6.86 0.00	134.24 11.22 0.00	69.43 5.63 0.00	130.46 10.34 0.00	81.93 5.35 -14.47	101.02 1.76 -78.99	158.88 2.99 -126.38	439.12 4.66 -389.34	1206.09 3.61 -1166.40	618.71 2.95 -585.45	224.91 5.09 -166.85	172.42 8.00 -77.27	216.44 17.20 0.00	159.67 11.94 0.00	145.77 11.85 0.00	146.25 11.65 0.00	113.47 10.11 0.00	293.87 22.29 -60.86	338.55 11.80 -216.39	260.93 9.45 -161.65	210.91 18.91 0.00	166.84 15.21 0.00	141.67 11.98 0.00	144.49 11.76 -11.24
GARDENVILLE___LBMP 24039	31.65 -6.56 37.46	63.32 -10.66 49.06	55.08 -6.01 2.70	97.57 -11.20 11.35	52.86 -5.61 3.64	11.90 -1.63 6.75	18.60 -2.58 8.32	32.23 -4.39 8.50	15.82 -3.73 16.53	7.99 -3.35 18.97	27.21 -6.13 19.63	52.95 -10.22 23.98	96.81 -23.30 79.12	78.24 -16.74 52.75	64.56 -15.20 54.15	56.67 -15.92 62.01	48.49 -11.72 43.16	133.21 -20.82 56.69	74.51 -10.78 25.06	56.74 -9.35 23.74	116.14 -18.93 56.93	97.32 -14.60 39.70	113.22 -10.80 5.67	112.90 -9.24 -0.64
GARDNVLA_35_KV_LD 355827	31.97 -6.26 37.45	63.80 -10.21 49.02	55.34 -5.75 2.70	98.01 -10.76 11.35	53.12 -5.35 3.64	11.99 -1.54 6.74	18.74 -2.45 8.32	34.33 -4.20 6.59	18.51 -3.56 14.01	9.40 -3.22 17.70	28.99 -5.91 18.06	56.91 -9.89 20.35	102.74 -22.48 74.02	88.35 -16.11 43.26	75.11 -14.63 44.18	68.75 -15.36 50.49	57.19 -11.27 34.90	146.56 -19.89 44.27	84.56 -10.28 15.51	65.71 -8.98 15.15	127.74 -18.14 46.11	105.52 -14.00 32.11	114.74 -10.36 4.59	113.30 -8.84 -0.65
GELCKHM___115KV_LOAD 80723	74.04 -1.64 0.00	120.30 -2.72 0.00	62.29 -1.50 0.00	117.09 -3.03 0.00	60.57 -1.54 0.00	19.88 -0.40 0.00	28.94 -0.58 0.00	47.04 -0.98 -2.89	35.35 -0.74 0.00	29.64 -0.67 0.00	51.61 -1.36 0.00	84.89 -2.26 0.00	193.85 -5.39 0.00	143.78 -3.94 0.00	130.63 -3.29 0.00	131.17 -3.43 0.00	101.12 -2.24 0.00	211.20 -3.90 -4.38	121.60 -1.86 -13.10	99.40 -1.65 -11.22	188.16 -3.84 0.00	148.40 -3.24 0.00	126.81 -2.87 0.00	119.35 -2.50 -0.36
GENERAL___MILLS 23808	31.89 -6.34 37.45	63.67 -10.33 49.02	55.28 -5.82 2.70	97.90 -10.87 11.35	53.05 -5.42 3.64	11.97 -1.57 6.74	18.71 -2.49 8.32	33.76 -4.25 7.11	17.77 -3.61 14.70	9.01 -3.26 18.04	28.52 -5.97 18.48	55.84 -9.98 21.33	101.16 -22.67 75.40	85.69 -16.25 45.78	72.27 -14.80 46.84	65.48 -15.50 53.62	55.00 -11.39 36.97	142.92 -20.15 47.64	81.80 -10.45 18.10	63.24 -9.11 17.48	124.58 -18.38 49.05	103.28 -14.17 34.17	114.32 -10.49 4.88	113.18 -8.96 -0.65
GE_PLASTICS___DRP 24183	78.27 2.59 0.00	127.30 4.28 0.00	65.89 2.10 0.00	123.71 3.58 0.00	70.75 1.82 -6.83	58.14 0.59 -37.28	89.97 0.81 -59.65	249.99 1.35 -203.52	587.48 1.04 -550.35	307.41 0.85 -276.24	133.08 1.38 -78.72	126.24 2.57 -36.51	204.29 5.05 0.00	151.26 3.54 0.00	137.14 3.22 0.00	137.50 2.89 0.00	106.34 2.98 0.00	275.51 6.23 -58.56	305.48 3.37 -191.75	245.28 2.64 -152.81	197.06 5.05 0.00	155.81 4.18 0.00	133.46 3.77 0.00	133.11 4.54 -7.08
GILBOA___1 23756	78.22 2.54 0.00	127.39 4.36 0.00	65.90 2.11 0.00	123.74 3.61 0.00	64.71 1.83 -0.77	25.02 0.54 -4.21	37.11 0.86 -6.74	95.79 1.37 -49.29	99.32 1.06 -62.18	62.39 0.87 -31.21	63.35 1.48 -8.89	93.99 2.71 -4.12	204.51 5.27 0.00	151.59 3.86 0.00	137.84 3.93 0.00	138.17 3.64 0.08	106.69 3.34 0.00	264.18 6.94 -46.52	260.02 3.77 -145.89	213.14 3.00 -120.32	197.89 5.88 0.00	156.50 4.88 0.00	133.61 3.92 0.00	129.70 4.06 -4.15
GILBOA___2 23757	78.22 2.54 0.00	127.39 4.36 0.00	65.90 2.11 0.00	123.74 3.61 0.00	64.71 1.83 -0.77	25.02 0.54 -4.21	37.11 0.86 -6.74	95.79 1.37 -49.29	99.32 1.06 -62.18	62.39 0.87 -31.21	63.35 1.48 -8.89	93.99 2.71 -4.12	204.51 5.27 0.00	151.59 3.86 0.00	137.84 3.93 0.00	138.17 3.64 0.08	106.69 3.34 0.00	264.18 6.94 -46.52	260.02 3.77 -145.89	213.14 3.00 -120.32	197.89 5.88 0.00	156.50 4.88 0.00	133.61 3.92 0.00	129.70 4.06 -4.15

GILBOA___3 23758	78.22 2.54 0.00	127.39 4.36 0.00	65.90 2.11 0.00	123.74 3.61 0.00	64.71 1.83 -0.77	25.02 0.54 -4.21	37.11 0.86 -6.74	95.79 1.37 -49.29	99.32 1.06 -62.18	62.39 0.87 -31.21	63.35 1.48 -8.89	93.99 2.71 -4.12	204.51 5.27 0.00	151.59 3.86 0.00	137.84 3.93 0.00	138.17 3.64 0.08	106.69 3.34 0.00	264.18 6.94 -46.52	260.02 3.77 -145.89	213.14 3.00 -120.32	197.89 5.88 0.00	156.50 4.88 0.00	133.61 3.92 0.00	129.70 4.06 -4.15
GILBOA___4 23759	78.22 2.54 0.00	127.39 4.36 0.00	65.90 2.11 0.00	123.74 3.61 0.00	64.71 1.83 -0.77	25.02 0.54 -4.21	37.11 0.86 -6.74	95.79 1.37 -49.29	99.32 1.06 -62.18	62.39 0.87 -31.21	63.35 1.48 -8.89	93.99 2.71 -4.12	204.51 5.27 0.00	151.59 3.86 0.00	137.84 3.93 0.00	138.17 3.64 0.08	106.69 3.34 0.00	264.18 6.94 -46.52	260.02 3.77 -145.89	213.14 3.00 -120.32	197.89 5.88 0.00	156.50 4.88 0.00	133.61 3.92 0.00	129.70 4.06 -4.15
GILBOA___ 23599	78.21 2.53 0.00	127.40 4.37 0.00	65.90 2.11 0.00	123.74 3.61 0.00	64.71 1.84 -0.77	25.02 0.54 -4.21	37.11 0.86 -6.74	95.79 1.38 -49.29	99.32 1.05 -62.18	62.40 0.87 -31.21	63.34 1.48 -8.89	94.00 2.72 -4.12	204.51 5.28 0.00	151.59 3.87 0.00	137.84 3.93 0.00	138.13 3.60 0.08	106.70 3.34 0.00	264.19 6.94 -46.52	260.02 3.77 -145.89	213.16 3.02 -120.32	197.91 5.91 0.00	156.51 4.88 0.00	133.61 3.93 0.00	129.71 4.06 -4.15
GINNA___ 23603	50.62 -6.29 18.76	88.13 -10.30 24.59	56.92 -5.52 1.35	103.94 -10.50 5.68	55.05 -5.24 1.82	15.34 -1.56 3.38	23.04 -2.31 4.16	43.14 -3.76 -1.78	31.34 -3.06 1.68	21.43 -2.71 6.17	42.29 -4.91 5.76	76.44 -8.21 2.50	153.99 -18.91 26.33	131.72 -13.90 2.10	119.72 -12.74 1.45	121.60 -13.22 -0.22	92.66 -9.47 1.24	198.58 -17.82 -5.68	117.68 -9.13 -16.46	96.62 -7.78 -14.58	175.52 -16.35 0.13	138.36 -13.26 0.00	118.75 -10.94 0.00	112.03 -9.93 -0.46
GLEN PARK___ 23778	76.03 0.35 0.00	123.54 0.52 0.00	63.88 0.09 0.00	119.82 -0.31 0.00	61.71 -0.39 0.00	20.18 -0.09 0.00	29.62 0.11 0.00	46.92 0.18 -1.62	36.39 0.31 0.00	30.64 0.33 0.00	53.40 0.43 0.00	87.06 -0.09 0.00	198.50 -0.73 0.00	145.73 -1.99 0.00	132.76 -1.15 0.00	133.21 -1.40 0.00	103.54 0.18 0.00	217.01 3.81 -2.49	119.80 2.01 -7.44	99.02 2.83 -6.37	199.51 7.51 0.00	157.15 5.53 0.00	132.30 2.61 0.00	123.27 1.58 -0.20
GLENDALE_27_KV_LOAD 356172	80.81 5.13 0.00	130.26 7.23 0.00	67.23 3.44 0.00	125.76 5.63 0.00	66.45 3.03 -1.31	28.68 1.23 -7.17	42.94 1.95 -11.48	111.99 3.31 -63.55	144.59 2.56 -105.95	85.57 2.08 -53.18	71.71 3.59 -15.15	99.81 5.64 -7.02	212.01 12.78 0.00	157.45 9.72 0.00	143.40 9.49 0.00	144.06 9.51 0.06	111.64 8.28 0.00	275.94 16.95 -48.27	271.82 9.15 -152.31	222.09 7.26 -125.00	206.36 14.36 0.00	162.85 11.22 0.00	138.50 8.81 0.00	134.61 8.59 -4.52
GLENWOOD_IC_1_G5 23712	92.37 5.41 -11.28	130.86 7.84 0.00	67.48 3.69 0.00	126.37 6.25 0.00	66.72 3.30 -1.31	31.86 1.32 -10.27	47.41 2.09 -15.80	112.14 3.49 -63.53	144.64 2.64 -105.91	85.65 2.18 -53.16	71.91 3.79 -15.15	100.02 5.85 -7.02	212.34 13.10 0.00	157.39 9.67 0.00	143.51 9.60 0.00	144.04 9.49 0.06	112.92 8.96 -0.59	276.24 17.26 -48.25	271.94 9.34 -152.25	222.03 7.25 -124.96	207.51 15.51 0.00	163.35 11.72 0.00	138.93 9.24 0.00	135.02 9.00 -4.52
GLENWOOD_IC_2_G1 23688	92.41 5.45 -11.28	130.90 7.87 0.00	67.52 3.73 0.00	126.42 6.29 0.00	66.75 3.33 -1.31	31.87 1.33 -10.27	47.41 2.09 -15.80	112.12 3.47 -63.53	144.63 2.63 -105.91	85.63 2.16 -53.16	71.89 3.77 -15.15	99.98 5.81 -7.02	212.30 13.06 0.00	157.26 9.54 0.00	143.45 9.53 0.00	143.98 9.43 0.06	112.79 8.84 -0.59	276.48 17.50 -48.25	272.16 9.55 -152.25	222.18 7.39 -124.96	207.33 15.33 0.00	163.30 11.67 0.00	138.93 9.24 0.00	135.06 9.04 -4.52
GLENWOOD_IC_3_G1 23689	92.41 5.45 -11.28	130.90 7.87 0.00	67.52 3.73 0.00	126.42 6.29 0.00	66.75 3.33 -1.31	31.87 1.33 -10.27	47.41 2.09 -15.80	112.12 3.47 -63.53	144.63 2.63 -105.91	85.63 2.16 -53.16	71.89 3.77 -15.15	99.98 5.81 -7.02	212.30 13.06 0.00	157.26 9.54 0.00	143.45 9.53 0.00	143.98 9.43 0.06	112.79 8.84 -0.59	276.48 17.50 -48.25	272.16 9.55 -152.25	222.18 7.39 -124.96	207.33 15.33 0.00	163.30 11.67 0.00	138.93 9.24 0.00	135.06 9.04 -4.52
GLENWOOD___4 23550	92.45 5.49 -11.28	130.99 7.96 0.00	67.57 3.78 0.00	126.50 6.38 0.00	66.80 3.39 -1.31	31.88 1.34 -10.27	47.45 2.13 -15.80	112.19 3.54 -63.53	144.68 2.68 -105.91	85.68 2.21 -53.16	71.98 3.86 -15.15	100.11 5.95 -7.02	212.59 13.35 0.00	157.55 9.83 0.00	143.66 9.74 0.00	144.19 9.65 0.06	113.03 9.07 -0.59	276.62 17.65 -48.25	272.19 9.58 -152.25	222.21 7.43 -124.96	207.75 15.75 0.00	163.54 11.91 0.00	139.09 9.40 0.00	135.18 9.16 -4.52
GLENWOOD___5 23614	92.45 5.49 -11.28	130.99 7.96 0.00	67.57 3.78 0.00	126.50 6.38 0.00	66.80 3.39 -1.31	31.88 1.34 -10.27	47.45 2.13 -15.80	112.19 3.54 -63.53	144.68 2.68 -105.91	85.68 2.21 -53.16	71.98 3.86 -15.15	100.11 5.95 -7.02	212.59 13.35 0.00	157.55 9.83 0.00	143.66 9.74 0.00	144.19 9.65 0.06	113.03 9.07 -0.59	276.62 17.65 -48.25	272.19 9.58 -152.25	222.21 7.43 -124.96	207.75 15.75 0.00	163.54 11.91 0.00	139.09 9.40 0.00	135.18 9.16 -4.52
GLOBAL GREEN_PORT_GT1 23814	94.96 7.99 -11.28	132.71 9.68 0.00	67.75 3.96 0.00	126.79 6.66 0.00	66.51 3.09 -1.31	31.95 1.40 -10.27	47.70 2.38 -15.80	112.80 4.15 -63.53	144.93 2.94 -105.91	85.72 2.24 -53.16	72.00 3.88 -15.15	99.55 5.38 -7.02	210.76 11.53 0.00	155.88 8.15 0.00	143.55 9.63 0.00	144.62 10.08 0.06	113.05 9.09 -0.59	276.53 17.55 -48.25	274.06 11.45 -152.25	223.54 8.76 -124.96	210.22 18.21 0.00	164.98 13.35 0.00	140.31 10.62 0.00	136.23 10.22 -4.52
GLOBE___DSASP 323697	35.34 -8.26 32.09	67.69 -13.34 42.00	53.90 -7.58 2.31	96.74 -13.66 9.73	52.05 -6.94 3.12	12.41 -2.09 5.78	19.10 -3.28 7.13	34.66 -5.53 4.93	19.67 -4.92 11.50	11.08 -4.32 14.91	29.81 -7.97 15.19	56.96 -13.48 16.71	105.65 -31.13 62.46	89.78 -22.70 35.24	77.32 -20.67 35.93	71.53 -21.52 41.54	58.71 -16.24 28.41	145.81 -29.97 34.94	85.36 -15.11 9.89	66.61 -13.17 10.04	127.15 -27.55 37.31	104.42 -21.23 25.99	110.36 -15.62 3.71	108.19 -13.90 -0.60
GOETHSLN___LBMP 323567	71.79 4.15 8.05	85.67 5.73 43.10	49.32 2.75 17.21	69.64 4.43 54.92	48.98 2.43 15.55	27.75 1.02 -6.45	39.24 1.60 -8.13	98.05 2.74 -50.19	98.84 2.10 -60.66	62.50 1.70 -30.48	45.35 2.92 10.54	56.03 4.55 35.67	150.72 9.99 58.50	135.10 7.67 20.28	102.32 7.67 39.26	107.66 7.62 34.56	75.04 7.03 35.35	258.84 14.37 -33.75	98.10 7.75 20.01	169.91 6.14 -73.94	131.34 12.01 72.67	110.70 9.41 50.34	116.37 7.15 20.47	132.82 7.03 -4.29
GOLAH___69_KV_TB 1_2 80279	50.86 -3.55 21.27	89.31 -5.85 27.86	58.94 -3.32 1.53	107.39 -6.29 6.44	57.02 -3.03 2.06	15.64 -0.81 3.83	23.52 -1.28 4.72	44.60 -2.22 -1.69	32.28 -1.90 1.91	21.57 -1.74 7.00	43.10 -3.34 6.53	78.73 -5.59 2.83	156.49 -12.89 29.85	135.71 -9.64 2.37	123.52 -8.77 1.63	125.48 -9.19 -0.07	95.51 -6.44 1.41	206.20 -10.49 -5.97	122.30 -5.27 -17.21	100.30 -4.81 -15.29	181.83 -10.02 0.15	143.59 -8.05 -0.01	123.53 -6.15 0.00	116.59 -5.39 -0.48

GOODYEAR_LAKE_HYD 323669	78.17 2.50 0.00	126.97 3.94 0.00	65.72 1.93 0.00	123.37 3.25 0.00	68.21 1.73 -4.38	44.81 0.64 -23.90	68.80 1.05 -38.24	162.26 1.64 -115.50	390.31 1.28 -352.95	208.43 0.96 -177.16	104.97 1.52 -50.49	113.12 2.58 -23.38	205.16 5.93 0.00	152.57 4.85 0.00	138.81 4.90 0.00	139.37 4.94 0.17	107.79 4.44 0.01	234.53 8.89 -14.92	172.00 4.85 -56.79	133.95 3.89 -40.23	199.85 7.84 0.00	157.72 6.09 0.00	134.37 4.69 0.00	128.98 4.36 -3.13
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	58.96 -1.10 15.61	104.51 -1.88 16.63	61.81 -1.07 0.91	112.14 -2.37 5.61	59.70 -1.18 1.22	19.78 -0.32 0.18	30.02 -0.42 -0.93	66.71 -0.58 -22.17	80.63 -0.45 -45.00	47.12 -0.52 -17.32	52.92 -1.03 -0.97	86.37 -1.40 -0.62	169.50 -3.69 26.04	143.29 -2.35 2.08	130.88 -1.60 1.44	132.33 -1.78 0.49	101.17 -0.93 1.27	224.91 -1.24 -15.42	158.20 -0.61 -48.45	129.25 -0.52 -39.94	190.43 -1.45 0.13	150.31 -1.32 0.00	128.41 -1.28 0.00	122.27 -0.74 -1.52
GOUDEY___7 23579	58.96 -1.10 15.61	104.51 -1.88 16.63	61.81 -1.07 0.91	112.14 -2.37 5.61	59.70 -1.18 1.22	19.78 -0.32 0.18	30.02 -0.42 -0.93	66.71 -0.58 -22.17	80.63 -0.45 -45.00	47.12 -0.52 -17.32	52.92 -1.03 -0.97	86.37 -1.40 -0.62	169.50 -3.69 26.04	143.29 -2.35 2.08	130.88 -1.60 1.44	132.33 -1.78 0.49	101.17 -0.93 1.27	224.91 -1.24 -15.42	158.20 -0.61 -48.45	129.25 -0.52 -39.94	190.43 -1.45 0.13	150.31 -1.32 0.00	128.41 -1.28 0.00	122.27 -0.74 -1.52
GOUDEY___8 23580	58.96 -1.10 15.61	104.51 -1.88 16.63	61.81 -1.07 0.91	112.14 -2.37 5.61	59.70 -1.18 1.22	19.78 -0.32 0.18	30.02 -0.42 -0.93	66.71 -0.58 -22.17	80.63 -0.45 -45.00	47.12 -0.52 -17.32	52.92 -1.03 -0.97	86.37 -1.40 -0.62	169.50 -3.69 26.04	143.29 -2.35 2.08	130.88 -1.60 1.44	132.33 -1.78 0.49	101.17 -0.93 1.27	224.91 -1.24 -15.42	158.20 -0.61 -48.45	129.25 -0.52 -39.94	190.43 -1.45 0.13	150.31 -1.32 0.00	128.41 -1.28 0.00	122.27 -0.74 -1.52
GOWANUS_GT1_1 24077	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_2 24078	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_3 24079	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_4 24080	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_5 24084	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_6 24111	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_7 24112	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT1_8 24113	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT2_1 24114	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_2 24115	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_3 24116	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52

GOWANUS_GT2_4 24117	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_5 24118	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_6 24119	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_7 24120	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT2_8 24121	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_1 24122	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_2 24123	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_3 24124	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_4 24125	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_5 24126	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_6 24127	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_7 24128	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT3_8 24129	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
GOWANUS_GT4_1 24130	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_2 24131	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52

GOWANUS_GT4_3 24132	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_4 24133	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_5 24134	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_6 24135	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_7 24136	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GOWANUS_GT4_8 24137	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.93 9.20 -0.01	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GREENBSH_115KV_TB3 55895	78.28 2.61 0.00	127.43 4.40 0.00	65.94 2.15 0.00	123.77 3.64 0.00	72.23 1.81 -8.32	66.26 0.57 -45.41	102.91 0.74 -72.66	286.05 1.22 -239.71	707.62 0.93 -670.60	367.68 0.77 -336.60	150.19 1.30 -95.93	133.87 2.43 -44.29	203.80 4.57 0.00	150.71 2.99 0.00	136.44 2.52 0.00	136.62 2.02 0.00	105.70 2.34 0.00	274.36 4.78 -58.85	308.57 2.62 -195.58	245.92 2.04 -154.06	195.73 3.73 0.00	154.82 3.20 0.00	132.92 3.23 0.00	133.65 4.40 -7.76
GREENDGE_115KV_TB5 80291	-32.81 -2.28 106.20	-21.64 -4.03 140.64	53.62 -2.44 7.73	82.59 -5.72 31.81	49.76 -2.47 9.87	2.57 -0.58 17.12	8.24 -0.82 20.45	58.40 -1.40 -14.67	67.52 -1.15 -32.59	15.74 -1.03 13.54	31.96 -2.02 18.99	93.34 -4.10 -10.29	72.84 -10.02 116.37	186.13 -7.17 -45.57	180.62 -5.78 -52.49	198.91 -6.02 -70.33	139.77 -3.84 -40.25	290.16 -6.68 -86.11	192.18 -2.89 -84.71	164.08 -2.40 -76.65	251.47 -7.04 -66.50	192.70 -6.04 -47.11	131.73 -4.68 -6.72	119.55 -2.86 -0.92
GREENIDGE___3 23582	-32.81 -2.28 106.20	-21.64 -4.03 140.64	53.62 -2.44 7.73	82.59 -5.72 31.81	49.76 -2.47 9.87	2.57 -0.58 17.12	8.24 -0.82 20.45	58.40 -1.40 -14.67	67.52 -1.15 -32.59	15.74 -1.03 13.54	31.96 -2.02 18.99	93.34 -4.10 -10.29	72.84 -10.02 116.37	186.13 -7.17 -45.57	180.62 -5.78 -52.49	198.91 -6.02 -70.33	139.77 -3.84 -40.25	290.16 -6.68 -86.11	192.18 -2.89 -84.71	164.08 -2.40 -76.65	251.47 -7.04 -66.50	192.70 -6.04 -47.11	131.73 -4.68 -6.72	119.55 -2.86 -0.92
GREENIDGE___4 23583	-32.91 -2.39 106.20	-21.76 -4.14 140.64	53.62 -2.44 7.73	82.60 -5.72 31.81	49.74 -2.50 9.87	2.55 -0.60 17.12	8.22 -0.84 20.45	58.37 -1.43 -14.67	67.51 -1.17 -32.59	15.72 -1.05 13.54	31.94 -2.04 18.99	93.31 -4.12 -10.29	72.60 -10.26 116.37	185.92 -7.37 -45.57	180.54 -5.87 -52.49	198.86 -6.07 -70.33	139.73 -3.88 -40.25	290.15 -6.68 -86.11	192.22 -2.84 -84.71	164.07 -2.41 -76.65	251.55 -6.96 -66.50	192.70 -6.04 -47.11	131.76 -4.66 -6.72	119.54 -2.87 -0.92
GREENLWN_69_KV_BK 3 55738	92.74 5.77 -11.28	131.47 8.44 0.00	67.79 3.99 0.00	126.91 6.78 0.00	66.95 3.53 -1.31	31.96 1.41 -10.27	47.54 2.22 -15.80	112.30 3.65 -63.53	144.71 2.71 -105.91	85.72 2.25 -53.16	72.09 3.97 -15.15	100.25 6.08 -7.02	212.85 13.62 0.00	157.62 9.90 0.00	143.72 9.80 0.00	144.19 9.64 0.06	113.23 9.28 -0.59	277.03 18.05 -48.25	272.63 10.02 -152.25	222.47 7.69 -124.96	208.03 16.03 0.00	163.68 12.05 0.00	139.33 9.65 0.00	135.51 9.50 -4.52
GREENWD_138_KV_38B11_REV_LBMP_J 345004	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52
GRISSOM___SOLAR 323813	80.48 4.80 0.00	130.85 7.83 0.00	67.73 3.94 0.00	127.31 7.18 0.00	80.40 3.76 -14.53	100.88 1.27 -79.34	158.46 2.02 -126.93	442.01 3.16 -393.73	1210.05 2.46 -1171.51	620.06 1.73 -588.02	223.23 2.68 -167.58	168.70 3.93 -77.62	207.59 8.36 0.00	155.09 7.36 0.00	141.47 7.56 0.00	141.72 7.18 0.06	110.46 7.10 0.00	291.83 15.89 -65.21	348.14 8.42 -229.37	269.33 6.71 -172.80	205.88 13.88 0.00	162.53 10.90 0.00	138.53 8.84 0.00	141.22 8.07 -11.65
GROVEVILLE___HYD 323602	80.87 5.20 0.00	130.70 7.68 0.00	67.52 3.73 0.00	126.57 6.45 0.00	66.91 3.43 -1.38	29.07 1.29 -7.51	43.58 2.06 -12.01	113.74 3.47 -65.15	149.61 2.65 -110.88	88.01 2.05 -55.66	72.32 3.49 -15.86	100.23 5.73 -7.35	211.96 12.72 0.00	157.19 9.47 0.00	143.15 9.23 0.00	143.83 9.28 0.06	111.71 8.35 0.00	276.77 17.60 -48.45	272.79 9.48 -152.95	222.82 7.52 -125.48	207.06 15.05 0.00	163.29 11.66 0.00	138.96 9.27 0.00	134.98 8.93 -4.56
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40

HAMLTNNY_34_KV_TB 80303	74.60 -1.08 0.00	121.03 -2.00 0.00	62.72 -1.07 0.00	117.91 -2.22 0.00	60.97 -1.13 0.00	20.04 -0.24 0.00	29.15 -0.36 0.00	47.98 -0.59 -3.45	35.62 -0.47 0.00	29.86 -0.46 0.00	51.99 -0.98 0.00	85.47 -1.68 0.00	195.42 -3.82 0.00	144.97 -2.76 0.00	131.70 -2.21 0.00	132.30 -2.30 0.00	102.03 -1.33 0.00	214.14 -1.80 -5.22	125.20 -0.76 -15.60	102.41 -0.79 -13.37	189.89 -2.12 0.00	149.68 -1.95 0.00	127.92 -1.77 0.00	120.50 -1.42 -0.42
HAMPSHIRE___PAPER_HYD 323593	75.63 -0.05 0.00	123.05 0.02 0.00	63.82 0.03 0.00	120.37 0.25 0.00	61.87 -0.23 0.00	19.99 -0.29 0.00	29.18 -0.33 0.00	45.37 -0.54 -0.79	35.79 -0.30 0.00	30.37 0.06 0.00	53.07 0.11 0.00	86.69 -0.46 0.00	198.93 -0.30 0.00	146.95 -0.78 0.00	133.15 -0.76 0.00	132.96 -1.64 0.00	101.57 -1.80 0.00	209.45 -2.51 -1.23	112.56 -1.48 -3.68	92.44 -0.55 -3.16	192.42 0.42 0.00	152.45 0.82 0.00	130.07 0.38 0.00	121.44 -0.15 -0.10
HARDSCRABBLE_WT_PWR 323673	79.07 3.39 0.00	129.23 6.20 0.00	66.92 3.13 0.00	125.39 5.26 0.00	64.64 2.54 0.00	21.08 0.80 0.00	30.87 1.36 0.00	47.66 2.54 0.00	37.99 1.90 0.00	31.31 1.00 0.00	54.48 1.51 0.00	89.77 2.62 0.00	203.33 4.10 0.00	151.34 3.62 0.00	137.93 4.01 0.00	137.94 3.34 0.00	107.64 4.28 0.00	220.84 10.12 0.00	116.07 5.72 0.00	94.22 4.39 0.00	199.93 7.93 0.00	157.34 5.71 0.00	134.76 5.07 0.00	127.24 5.75 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	79.98 4.30 0.00	129.23 6.20 0.00	66.75 2.96 0.00	125.12 4.99 0.00	65.99 2.66 -1.23	28.03 1.05 -6.70	41.93 1.69 -10.73	107.55 2.85 -59.57	137.32 2.17 -99.06	81.74 1.70 -49.72	70.07 2.93 -14.17	98.41 4.70 -6.56	209.58 10.34 0.00	155.49 7.77 0.00	141.64 7.73 0.00	142.23 7.69 0.06	110.39 7.03 0.00	270.86 14.76 -45.37	261.43 7.95 -143.13	213.59 6.29 -117.48	204.48 12.48 0.00	161.28 9.66 0.00	137.27 7.59 0.00	133.07 7.33 -4.25
HARSNRAD_115KV_TB1 81005	36.50 -7.78 31.40	69.27 -12.64 41.11	54.58 -6.95 2.26	97.96 -12.65 9.51	52.74 -6.31 3.05	12.75 -1.87 5.65	19.56 -2.98 6.98	35.14 -5.03 4.96	20.34 -4.30 11.45	11.80 -3.84 14.68	31.00 -7.05 14.92	58.74 -11.79 16.61	110.72 -27.14 61.38	92.91 -19.70 35.11	79.99 -18.11 35.81	74.56 -19.07 40.98	60.97 -14.06 28.33	150.20 -25.44 35.08	87.07 -13.09 10.20	68.16 -11.36 10.31	131.32 -23.31 37.37	107.48 -18.15 26.00	112.10 -13.87 3.72	109.60 -12.48 -0.59
HARZA MOOSE___RIVER 24016	76.32 0.64 0.00	124.19 1.17 0.00	64.42 0.63 0.00	120.95 0.82 0.00	62.27 0.16 0.00	20.35 0.08 0.00	29.77 0.26 0.00	46.43 0.34 -0.96	36.42 0.34 0.00	30.69 0.38 0.00	53.70 0.74 0.00	88.07 0.92 0.00	201.39 2.16 0.00	148.54 0.82 0.00	135.14 1.22 0.00	135.21 0.60 0.00	104.23 0.86 0.00	215.42 3.14 -1.55	116.74 1.73 -4.64	95.87 2.06 -3.98	197.41 5.40 0.00	156.20 4.57 0.00	132.37 2.68 0.00	123.38 1.76 -0.13
HDSNBRDG_115KV_BRDG_TB1 355580	73.99 -1.69 0.00	120.18 -2.85 0.00	62.22 -1.57 0.00	116.96 -3.16 0.00	60.52 -1.58 0.00	19.86 -0.41 0.00	28.93 -0.58 0.00	47.07 -0.98 -2.93	35.35 -0.74 0.00	29.64 -0.67 0.00	51.60 -1.37 0.00	84.91 -2.24 0.00	193.86 -5.38 0.00	143.83 -3.89 0.00	130.68 -3.24 0.00	131.18 -3.42 0.00	101.11 -2.25 0.00	211.25 -3.90 -4.43	121.74 -1.86 -13.24	99.48 -1.69 -11.34	188.00 -4.00 0.00	148.34 -3.29 0.00	126.77 -2.92 0.00	119.33 -2.52 -0.36
HELLGATE_13_KV_LD 55870	80.45 4.77 0.00	129.70 6.67 0.00	66.97 3.18 0.00	125.24 5.12 0.00	66.18 2.76 -1.31	28.60 1.15 -7.17	42.79 1.80 -11.48	111.75 3.08 -63.55	144.40 2.37 -105.95	85.41 1.92 -53.18	71.44 3.32 -15.15	99.37 5.20 -7.02	211.03 11.80 0.00	156.70 8.98 0.00	142.74 8.83 0.00	143.36 8.82 0.06	111.07 7.71 0.00	274.85 15.86 -48.27	271.23 8.56 -152.31	221.61 6.78 -125.00	205.29 13.29 0.00	162.05 10.42 0.00	137.81 8.12 0.00	134.00 7.99 -4.52
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	80.45 4.77 0.00	129.70 6.67 0.00	66.97 3.18 0.00	125.24 5.12 0.00	66.18 2.76 -1.31	28.60 1.15 -7.17	42.79 1.80 -11.48	111.75 3.08 -63.55	144.40 2.37 -105.95	85.41 1.92 -53.18	71.44 3.32 -15.15	99.37 5.20 -7.02	211.03 11.80 0.00	156.70 8.98 0.00	142.74 8.83 0.00	143.36 8.82 0.06	111.07 7.71 0.00	274.85 15.86 -48.27	271.23 8.56 -152.31	221.61 6.78 -125.00	205.29 13.29 0.00	162.05 10.42 0.00	137.81 8.12 0.00	134.00 7.99 -4.52
HEMPSTEAD____ 23647	92.31 5.35 -11.28	130.74 7.71 0.00	67.41 3.62 0.00	126.23 6.11 0.00	66.65 3.23 -1.31	31.86 1.32 -10.27	47.40 2.08 -15.80	112.11 3.45 -63.53	144.60 2.60 -105.91	85.61 2.14 -53.16	71.83 3.71 -15.15	99.81 5.64 -7.02	211.93 12.69 0.00	156.98 9.25 0.00	143.23 9.31 0.00	143.75 9.21 0.06	112.70 8.74 -0.59	276.22 17.25 -48.25	271.96 9.35 -152.25	222.01 7.23 -124.96	206.96 14.95 0.00	163.02 11.39 0.00	138.69 9.00 0.00	134.82 8.81 -4.52
HEWLETT_69_KV_BK3 55828	92.58 5.61 -11.28	131.11 8.08 0.00	67.79 3.99 0.00	126.88 6.76 0.00	67.00 3.58 -1.31	31.90 1.36 -10.27	47.42 2.10 -15.80	112.12 3.47 -63.53	144.62 2.63 -105.91	85.67 2.20 -53.16	71.98 3.87 -15.15	100.20 6.03 -7.02	212.58 13.34 0.00	157.40 9.68 0.00	143.60 9.68 0.00	143.99 9.44 0.06	112.81 8.86 -0.59	277.15 18.17 -48.25	272.52 9.91 -152.25	222.43 7.65 -124.96	207.81 15.81 0.00	163.93 12.30 0.00	139.50 9.82 0.00	135.54 9.53 -4.52
HICKLING___1 23621	-25.37 -3.52 97.53	-11.31 -5.96 128.38	53.46 -3.27 7.06	84.03 -6.71 29.39	49.75 -3.35 9.00	4.11 -0.98 15.18	10.23 -1.39 17.88	54.54 -2.02 -11.44	64.40 -1.58 -29.89	16.19 -1.49 12.64	28.08 -2.77 22.12	79.13 -4.28 3.74	62.22 -10.17 126.85	147.90 -6.64 -6.82	140.17 -4.94 -11.20	150.43 -5.12 -20.94	107.84 -3.57 -8.05	240.31 -6.17 -35.76	160.44 -3.19 -53.28	134.62 -2.57 -47.37	205.94 -6.15 -20.08	160.78 -5.40 -14.55	127.04 -4.73 -2.08	119.24 -3.43 -1.17
HICKLING___2 23622	-25.37 -3.52 97.53	-11.31 -5.96 128.38	53.46 -3.27 7.06	84.03 -6.71 29.39	49.75 -3.35 9.00	4.11 -0.98 15.18	10.23 -1.39 17.88	54.54 -2.02 -11.44	64.40 -1.58 -29.89	16.19 -1.49 12.64	28.08 -2.77 22.12	79.13 -4.28 3.74	62.22 -10.17 126.85	147.90 -6.64 -6.82	140.17 -4.94 -11.20	150.43 -5.12 -20.94	107.84 -3.57 -8.05	240.31 -6.17 -35.76	160.44 -3.19 -53.28	134.62 -2.57 -47.37	205.94 -6.15 -20.08	160.78 -5.40 -14.55	127.04 -4.73 -2.08	119.24 -3.43 -1.17
HIGH FALLS___HY 23754	80.62 4.94 0.00	130.19 7.16 0.00	67.24 3.45 0.00	126.08 5.96 0.00	67.34 3.20 -2.03	32.55 1.22 -11.05	49.22 2.03 -17.69	129.30 3.42 -80.75	202.10 2.60 -163.42	114.19 1.85 -82.03	79.47 3.13 -23.38	103.21 5.24 -10.82	210.77 11.54 0.00	155.79 8.06 0.00	141.80 7.88 0.00	143.03 8.49 0.06	111.41 8.05 0.00	276.27 17.31 -48.23	272.92 9.40 -153.16	222.38 7.49 -125.06	207.03 15.02 0.00	163.23 11.60 0.00	138.68 9.00 0.00	134.76 8.53 -4.74
HIGH_RIVER___SOLAR 323847	79.27 3.59 0.00	128.80 5.77 0.00	66.67 2.88 0.00	125.32 5.20 0.00	80.17 2.71 -15.36	105.01 0.91 -83.82	165.08 1.46 -134.11	459.58 2.28 -412.17	1275.66 1.78 -1237.80	652.96 1.36 -621.29	232.28 2.24 -177.06	172.67 3.51 -82.01	206.47 7.23 0.00	153.34 5.62 0.00	139.67 5.75 0.00	140.19 5.64 0.05	108.63 5.27 0.00	285.42 11.62 -63.08	341.30 6.17 -224.77	262.37 4.92 -167.63	202.00 9.99 0.00	159.52 7.89 0.00	136.08 6.39 0.00	139.35 6.02 -11.83

HILLBURN___GT 23639	79.80 4.12 0.00	128.87 5.84 0.00	66.53 2.74 0.00	124.69 4.56 0.00	65.79 2.44 -1.25	28.07 1.00 -6.80	42.00 1.61 -10.88	108.25 2.73 -60.39	138.60 2.07 -100.44	82.36 1.64 -50.41	70.16 2.82 -14.37	98.26 4.45 -6.66	209.09 9.85 0.00	155.10 7.37 0.00	141.27 7.35 0.00	141.88 7.34 0.06	110.03 6.67 0.00	270.66 13.95 -45.99	262.98 7.54 -145.08	214.88 5.97 -119.08	203.73 11.73 0.00	160.74 9.11 0.00	136.80 7.11 0.00	132.74 6.94 -4.31
HILLSIDE_115KV_TB1 80332	-19.40 -3.95 91.13	-3.19 -6.53 119.69	53.77 -3.44 6.58	85.51 -7.09 27.52	50.12 -3.60 8.39	5.18 -1.10 13.99	11.57 -1.56 16.38	55.24 -2.22 -12.33	65.50 -1.72 -31.14	18.43 -1.63 10.26	29.60 -2.98 20.39	78.98 -4.53 3.64	69.03 -10.91 119.30	145.68 -7.49 -5.45	137.43 -5.99 -9.50	146.86 -6.19 -18.45	105.71 -4.43 -6.78	236.21 -7.96 -33.44	158.86 -4.26 -52.76	133.08 -3.37 -46.62	202.04 -7.69 -17.72	158.04 -6.45 -12.86	125.88 -5.64 -1.83	118.38 -4.32 -1.21
HISHELDN_WT_PWR 323625	22.66 -7.42 45.60	51.06 -12.17 59.80	53.76 -6.75 3.29	93.62 -12.71 13.80	51.33 -6.36 4.42	10.17 -1.90 8.20	16.43 -2.96 10.12	19.19 -4.77 21.17	-1.57 -3.93 33.73	-3.17 -3.56 29.92	14.27 -6.44 32.27	27.55 -10.77 48.83	50.79 -24.83 123.61	16.80 -16.99 113.93	0.52 -14.85 118.55	-17.35 -15.25 136.70	-0.56 -10.96 92.96	52.93 -20.90 136.89	15.19 -10.87 84.30	3.77 -8.95 77.11	45.57 -18.55 127.88	47.42 -14.82 89.38	105.53 -11.40 12.76	112.76 -9.43 -0.70
HOLTSVILLE_IC_1 23690	93.28 6.32 -11.28	132.26 9.24 0.00	68.12 4.33 0.00	127.53 7.41 0.00	67.14 3.72 -1.31	32.08 1.54 -10.27	47.71 2.39 -15.80	112.63 3.98 -63.53	144.91 2.91 -105.91	85.86 2.39 -53.16	72.37 4.25 -15.15	100.49 6.32 -7.02	213.30 14.07 0.00	157.83 10.11 0.00	144.26 10.35 0.00	144.90 10.36 0.06	114.02 10.06 -0.59	278.27 19.29 -48.25	273.45 10.84 -152.25	223.06 8.28 -124.96	209.56 17.56 0.00	164.69 13.06 0.00	140.20 10.52 0.00	136.32 10.31 -4.52
HOLTSVILLE_IC_10 23699	93.70 6.74 -11.28	132.99 9.97 0.00	68.45 4.66 0.00	128.17 8.05 0.00	67.45 4.03 -1.31	32.20 1.66 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.05 2.58 -53.16	72.67 4.55 -15.15	100.93 6.76 -7.02	214.27 15.03 0.00	158.56 10.83 0.00	145.08 11.16 0.00	145.83 11.28 0.06	114.75 10.80 -0.59	279.90 20.93 -48.25	274.28 11.67 -152.25	223.74 8.96 -124.96	210.92 18.92 0.00	165.78 14.14 0.00	141.07 11.38 0.00	137.07 11.06 -4.52
HOLTSVILLE_IC_2 23691	93.28 6.32 -11.28	132.26 9.24 0.00	68.12 4.33 0.00	127.53 7.41 0.00	67.14 3.72 -1.31	32.08 1.54 -10.27	47.71 2.39 -15.80	112.63 3.98 -63.53	144.91 2.91 -105.91	85.86 2.39 -53.16	72.37 4.25 -15.15	100.49 6.32 -7.02	213.30 14.07 0.00	157.83 10.11 0.00	144.26 10.35 0.00	144.90 10.36 0.06	114.02 10.06 -0.59	278.27 19.29 -48.25	273.45 10.84 -152.25	223.06 8.28 -124.96	209.56 17.56 0.00	164.69 13.06 0.00	140.20 10.52 0.00	136.32 10.31 -4.52
HOLTSVILLE_IC_3 23692	93.28 6.32 -11.28	132.26 9.24 0.00	68.12 4.33 0.00	127.53 7.41 0.00	67.14 3.72 -1.31	32.08 1.54 -10.27	47.71 2.39 -15.80	112.63 3.98 -63.53	144.91 2.91 -105.91	85.86 2.39 -53.16	72.37 4.25 -15.15	100.49 6.32 -7.02	213.30 14.07 0.00	157.83 10.11 0.00	144.26 10.35 0.00	144.90 10.36 0.06	114.02 10.06 -0.59	278.27 19.29 -48.25	273.45 10.84 -152.25	223.06 8.28 -124.96	209.56 17.56 0.00	164.69 13.06 0.00	140.20 10.52 0.00	136.32 10.31 -4.52
HOLTSVILLE_IC_4 23693	93.28 6.32 -11.28	132.26 9.24 0.00	68.12 4.33 0.00	127.53 7.41 0.00	67.14 3.72 -1.31	32.08 1.54 -10.27	47.71 2.39 -15.80	112.63 3.98 -63.53	144.91 2.91 -105.91	85.86 2.39 -53.16	72.37 4.25 -15.15	100.49 6.32 -7.02	213.30 14.07 0.00	157.83 10.11 0.00	144.26 10.35 0.00	144.90 10.36 0.06	114.02 10.06 -0.59	278.27 19.29 -48.25	273.45 10.84 -152.25	223.06 8.28 -124.96	209.56 17.56 0.00	164.69 13.06 0.00	140.20 10.52 0.00	136.32 10.31 -4.52
HOLTSVILLE_IC_5 23694	93.28 6.32 -11.28	132.26 9.24 0.00	68.12 4.33 0.00	127.53 7.41 0.00	67.14 3.72 -1.31	32.08 1.54 -10.27	47.71 2.39 -15.80	112.63 3.98 -63.53	144.91 2.91 -105.91	85.86 2.39 -53.16	72.37 4.25 -15.15	100.49 6.32 -7.02	213.30 14.07 0.00	157.83 10.11 0.00	144.26 10.35 0.00	144.90 10.36 0.06	114.02 10.06 -0.59	278.27 19.29 -48.25	273.45 10.84 -152.25	223.06 8.28 -124.96	209.56 17.56 0.00	164.69 13.06 0.00	140.20 10.52 0.00	136.32 10.31 -4.52
HOLTSVILLE_IC_6 23695	93.70 6.74 -11.28	132.99 9.97 0.00	68.45 4.66 0.00	128.17 8.05 0.00	67.45 4.03 -1.31	32.20 1.66 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.05 2.58 -53.16	72.67 4.55 -15.15	100.93 6.76 -7.02	214.27 15.03 0.00	158.56 10.83 0.00	145.08 11.16 0.00	145.83 11.28 0.06	114.75 10.80 -0.59	279.90 20.93 -48.25	274.28 11.67 -152.25	223.74 8.96 -124.96	210.92 18.92 0.00	165.78 14.14 0.00	141.07 11.38 0.00	137.07 11.06 -4.52
HOLTSVILLE_IC_7 23696	93.70 6.74 -11.28	132.99 9.97 0.00	68.45 4.66 0.00	128.17 8.05 0.00	67.45 4.03 -1.31	32.20 1.66 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.05 2.58 -53.16	72.67 4.55 -15.15	100.93 6.76 -7.02	214.27 15.03 0.00	158.56 10.83 0.00	145.08 11.16 0.00	145.83 11.28 0.06	114.75 10.80 -0.59	279.90 20.93 -48.25	274.28 11.67 -152.25	223.74 8.96 -124.96	210.92 18.92 0.00	165.78 14.14 0.00	141.07 11.38 0.00	137.07 11.06 -4.52
HOLTSVILLE_IC_8 23697	93.70 6.74 -11.28	132.99 9.97 0.00	68.45 4.66 0.00	128.17 8.05 0.00	67.45 4.03 -1.31	32.20 1.66 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.05 2.58 -53.16	72.67 4.55 -15.15	100.93 6.76 -7.02	214.27 15.03 0.00	158.56 10.83 0.00	145.08 11.16 0.00	145.83 11.28 0.06	114.75 10.80 -0.59	279.90 20.93 -48.25	274.28 11.67 -152.25	223.74 8.96 -124.96	210.92 18.92 0.00	165.78 14.14 0.00	141.07 11.38 0.00	137.07 11.06 -4.52
HOLTSVILLE_IC_9 23698	93.70 6.74 -11.28	132.99 9.97 0.00	68.45 4.66 0.00	128.17 8.05 0.00	67.45 4.03 -1.31	32.20 1.66 -10.27	47.89 2.57 -15.80	112.93 4.28 -63.53	145.14 3.14 -105.91	86.05 2.58 -53.16	72.67 4.55 -15.15	100.93 6.76 -7.02	214.27 15.03 0.00	158.56 10.83 0.00	145.08 11.16 0.00	145.83 11.28 0.06	114.75 10.80 -0.59	279.90 20.93 -48.25	274.28 11.67 -152.25	223.74 8.96 -124.96	210.92 18.92 0.00	165.78 14.14 0.00	141.07 11.38 0.00	137.07 11.06 -4.52
HOMER_HL_115KV_TB2 355744	23.34 -4.71 47.63	53.03 -7.59 62.41	55.72 -4.64 3.43	97.36 -8.34 14.42	53.06 -4.42 4.62	10.42 -1.28 8.57	16.88 -2.07 10.57	40.83 -3.34 0.95	26.55 -2.70 6.83	10.83 -2.50 16.98	32.72 -4.03 16.23	71.01 -6.11 10.02	114.19 -12.98 72.07	125.27 -9.05 13.41	113.05 -8.34 12.53	112.16 -9.03 13.41	89.50 -6.44 7.42	195.25 -11.99 3.49	121.39 -6.53 -17.56	98.62 -5.88 -14.67	170.14 -10.54 11.32	136.28 -7.65 7.69	123.08 -5.51 1.10	117.69 -4.54 -0.73
HOWARD_WT_PWR 323690	-27.93 -6.93 96.67	-17.04 -12.33 127.74	49.71 -7.06 7.02	77.35 -13.75 29.02	46.10 -7.05 8.96	2.93 -1.99 15.36	8.21 -3.07 18.23	70.00 -4.68 -29.56	84.89 -3.74 -52.54	26.16 -3.27 0.88	41.83 -6.04 5.10	114.35 -9.79 -36.99	109.86 -21.30 68.07	248.07 -11.07 -111.43	247.05 -8.52 -121.65	276.99 -7.48 -149.86	192.41 -5.75 -94.80	373.20 -10.51 -172.99	256.93 -5.43 -152.00	222.34 -4.40 -136.91	324.12 -10.11 -142.23	242.96 -8.80 -100.13	136.38 -7.60 -14.29	116.47 -6.00 -0.97

HQ_GEN_CEDARS 23644	75.90 0.22 0.00	123.49 0.46 0.00	64.18 0.39 0.00	121.54 1.42 0.00	62.73 0.62 0.00	20.29 0.02 0.00	29.47 -0.04 0.00	45.04 -0.08 0.00	36.12 0.03 0.00	30.56 0.24 0.00	53.40 0.43 0.00	87.47 0.32 0.00	201.20 1.97 0.00	149.31 1.59 0.00	134.74 0.83 0.00	135.43 0.82 0.00	102.69 -0.67 0.00	208.97 -1.75 0.00	108.92 -1.43 0.00	88.80 -1.03 0.00	191.00 -1.00 0.00	151.02 -0.61 0.00	129.73 0.04 0.00	121.06 -0.43 0.00
HQ_GEN_CEDARS_PROXY 323590	75.90 0.22 0.00	123.49 0.46 0.00	64.18 0.39 0.00	121.54 1.42 0.00	62.73 0.62 0.00	20.30 0.02 0.00	29.47 -0.04 0.00	45.04 -0.08 0.00	36.11 0.03 0.00	30.55 0.24 0.00	53.40 0.43 0.00	87.47 0.32 0.00	201.20 1.97 0.00	154.55 1.59 -5.23	134.74 0.83 0.00	135.44 0.84 0.00	102.69 -0.67 0.00	208.98 -1.75 0.00	108.93 -1.43 0.00	88.80 -1.03 0.00	191.01 -1.00 0.00	151.01 -0.62 0.00	129.73 0.04 0.00	121.07 -0.42 0.00
HQ_GEN_IMPORT 323601	75.26 -0.41 0.00	122.52 -0.51 0.00	63.68 -0.10 0.00	120.49 0.37 0.00	62.26 0.15 0.00	20.20 -0.07 0.00	31.16 -0.18 -1.84	44.84 -0.28 0.00	35.89 -0.19 0.00	30.27 -0.05 0.00	53.04 0.07 0.00	87.18 0.03 0.00	200.09 0.86 0.00	148.34 0.62 0.00	133.96 0.04 0.00	135.00 0.39 0.00	102.64 -0.73 0.00	208.50 -2.22 0.00	108.86 -1.49 0.00	88.76 -1.07 0.00	190.62 -1.39 0.00	150.55 -1.08 0.00	129.08 -0.61 0.00	120.40 -1.10 0.00
HQ_GEN_WHEEL 23651	75.26 -0.41 0.00	122.52 -0.51 0.00	63.68 -0.10 0.00	120.49 0.37 0.00	62.26 0.15 0.00	20.20 -0.07 0.00	31.16 -0.18 -1.84	44.84 -0.28 0.00	35.89 -0.19 0.00	30.27 -0.05 0.00	53.04 0.07 0.00	87.18 0.03 0.00	200.09 0.86 0.00	148.34 0.62 0.00	133.96 0.04 0.00	135.00 0.39 0.00	102.64 -0.73 0.00	208.50 -2.22 0.00	108.86 -1.49 0.00	88.76 -1.07 0.00	190.62 -1.39 0.00	150.55 -1.08 0.00	129.08 -0.61 0.00	120.40 -1.10 0.00
HUDSON AVE_GT_3 23810	80.45 4.77 0.00	129.79 6.77 0.00	67.03 3.24 0.00	125.51 5.38 0.00	66.34 2.92 -1.31	28.62 1.18 -7.17	42.82 1.83 -11.48	111.80 3.13 -63.54	144.44 2.42 -105.94	85.46 1.97 -53.17	71.50 3.38 -15.15	99.50 5.33 -7.02	211.02 11.78 0.00	156.72 8.99 0.00	142.79 8.87 0.00	143.37 8.83 0.06	111.30 7.94 0.00	275.29 16.30 -48.27	271.43 8.78 -152.29	221.76 6.94 -124.99	205.72 13.72 0.00	162.37 10.74 0.00	138.00 8.31 0.00	134.10 8.08 -4.52
HUDSON AVE_GT_4 23540	80.45 4.77 0.00	129.79 6.77 0.00	67.03 3.24 0.00	125.51 5.38 0.00	66.34 2.92 -1.31	28.62 1.18 -7.17	42.82 1.83 -11.48	111.80 3.13 -63.54	144.44 2.42 -105.94	85.46 1.97 -53.17	71.50 3.38 -15.15	99.50 5.33 -7.02	211.02 11.78 0.00	156.72 8.99 0.00	142.79 8.87 0.00	143.37 8.83 0.06	111.30 7.94 0.00	275.29 16.30 -48.27	271.43 8.78 -152.29	221.76 6.94 -124.99	205.72 13.72 0.00	162.37 10.74 0.00	138.00 8.31 0.00	134.10 8.08 -4.52
HUDSON AVE_GT_5 23657	80.45 4.77 0.00	129.79 6.77 0.00	67.03 3.24 0.00	125.51 5.38 0.00	66.34 2.92 -1.31	28.62 1.18 -7.17	42.82 1.83 -11.48	111.80 3.13 -63.54	144.44 2.42 -105.94	85.46 1.97 -53.17	71.50 3.38 -15.15	99.50 5.33 -7.02	211.02 11.78 0.00	156.72 8.99 0.00	142.79 8.87 0.00	143.37 8.83 0.06	111.30 7.94 0.00	275.29 16.30 -48.27	271.43 8.78 -152.29	221.76 6.94 -124.99	205.72 13.72 0.00	162.37 10.74 0.00	138.00 8.31 0.00	134.10 8.08 -4.52
HUDSON_AVE_10 24168	80.26 4.58 0.00	129.45 6.42 0.00	66.85 3.06 0.00	125.17 5.05 0.00	66.16 2.74 -1.31	28.56 1.11 -7.17	42.75 1.76 -11.48	111.70 3.03 -63.54	144.35 2.33 -105.94	85.39 1.91 -53.17	71.39 3.27 -15.15	99.27 5.10 -7.02	210.54 11.30 0.00	156.41 8.69 0.00	142.47 8.55 0.00	143.08 8.54 0.06	111.06 7.70 0.00	274.76 15.77 -48.27	271.24 8.59 -152.29	221.61 6.79 -124.99	205.39 13.39 0.00	162.06 10.44 0.00	137.73 8.04 0.00	133.80 7.79 -4.52
HUDSON___115KV_TB 4 355613	80.17 4.49 0.00	130.46 7.43 0.00	67.49 3.70 0.00	126.73 6.61 0.00	72.57 3.48 -6.99	59.69 1.29 -38.13	92.11 1.57 -61.03	254.16 2.09 -206.94	602.18 1.76 -564.34	314.96 1.39 -283.26	135.56 1.87 -80.73	128.57 4.09 -37.33	205.75 6.51 0.00	153.53 5.81 0.00	138.05 4.13 0.00	139.21 4.61 0.00	108.34 4.98 0.00	279.06 10.91 -57.43	305.09 5.76 -188.97	244.41 4.58 -150.01	201.31 9.31 0.00	159.04 7.42 0.00	136.48 6.80 0.00	136.65 8.01 -7.15
HUNTER MOUNT___DRP 323613	80.61 4.94 0.00	131.21 8.18 0.00	67.89 4.10 0.00	127.51 7.39 0.00	71.98 3.87 -6.00	54.44 1.41 -32.77	83.61 1.67 -52.43	229.49 2.10 -182.27	522.88 1.88 -484.92	275.29 1.58 -243.40	124.53 2.19 -69.36	124.00 4.75 -32.10	207.03 7.80 0.00	154.44 6.71 0.00	139.20 5.28 0.00	140.10 5.54 0.05	109.15 5.79 0.00	279.49 12.67 -56.09	300.26 6.63 -183.27	241.36 5.24 -146.30	202.88 10.88 0.00	160.23 8.61 0.00	137.45 7.76 0.00	136.88 8.70 -6.69
HUNTINGTON_RES_REC 323705	93.36 6.40 -11.28	132.41 9.38 0.00	68.22 4.43 0.00	127.73 7.60 0.00	67.30 3.88 -1.31	32.11 1.57 -10.27	47.77 2.45 -15.80	112.67 4.02 -63.53	144.94 2.95 -105.91	85.91 2.44 -53.16	72.41 4.29 -15.15	100.65 6.48 -7.02	213.79 14.56 0.00	158.12 10.40 0.00	144.48 10.57 0.00	145.14 10.60 0.06	114.17 10.22 -0.59	278.67 19.69 -48.25	273.62 11.02 -152.25	223.20 8.42 -124.96	209.75 17.75 0.00	164.92 13.29 0.00	140.34 10.65 0.00	136.50 10.49 -4.52
HUNTLEY___63 23557	35.34 -6.92 33.42	68.02 -11.26 43.75	55.02 -6.36 2.41	98.46 -11.54 10.13	53.01 -5.85 3.25	12.54 -1.71 6.02	19.39 -2.70 7.43	35.05 -4.59 5.49	19.79 -4.00 12.29	11.06 -3.57 15.68	30.42 -6.57 15.98	58.25 -11.05 17.85	108.11 -25.51 65.62	91.42 -18.48 37.83	78.56 -16.76 38.60	72.68 -17.63 44.30	59.77 -13.07 30.51	149.08 -23.55 38.10	86.37 -12.06 11.93	67.39 -10.55 11.89	129.91 -21.85 40.24	106.58 -17.04 28.01	113.06 -12.62 4.00	110.92 -11.18 -0.61
HUNTLEY___64 23558	35.34 -6.92 33.42	68.02 -11.26 43.75	55.02 -6.36 2.41	98.46 -11.54 10.13	53.01 -5.85 3.25	12.54 -1.71 6.02	19.39 -2.70 7.43	35.05 -4.59 5.49	19.79 -4.00 12.29	11.06 -3.57 15.68	30.42 -6.57 15.98	58.25 -11.05 17.85	108.11 -25.51 65.62	91.42 -18.48 37.83	78.56 -16.76 38.60	72.68 -17.63 44.30	59.77 -13.07 30.51	149.08 -23.55 38.10	86.37 -12.06 11.93	67.39 -10.55 11.89	129.91 -21.85 40.24	106.58 -17.04 28.01	113.06 -12.62 4.00	110.92 -11.18 -0.61
HUNTLEY___65 23559	35.34 -6.92 33.42	68.02 -11.26 43.75	55.02 -6.36 2.41	98.46 -11.54 10.13	53.01 -5.85 3.25	12.54 -1.71 6.02	19.39 -2.70 7.43	35.05 -4.59 5.49	19.79 -4.00 12.29	11.06 -3.57 15.68	30.42 -6.57 15.98	58.25 -11.05 17.85	108.11 -25.51 65.62	91.42 -18.48 37.83	78.56 -16.76 38.60	72.68 -17.63 44.30	59.77 -13.07 30.51	149.08 -23.55 38.10	86.37 -12.06 11.93	67.39 -10.55 11.89	129.91 -21.85 40.24	106.58 -17.04 28.01	113.06 -12.62 4.00	110.92 -11.18 -0.61
HUNTLEY___66 23560	35.34 -6.92 33.42	68.02 -11.26 43.75	55.02 -6.36 2.41	98.46 -11.54 10.13	53.01 -5.85 3.25	12.54 -1.71 6.02	19.39 -2.70 7.43	35.05 -4.59 5.49	19.79 -4.00 12.29	11.06 -3.57 15.68	30.42 -6.57 15.98	58.25 -11.05 17.85	108.11 -25.51 65.62	91.42 -18.48 37.83	78.56 -16.76 38.60	72.68 -17.63 44.30	59.77 -13.07 30.51	149.08 -23.55 38.10	86.37 -12.06 11.93	67.39 -10.55 11.89	129.91 -21.85 40.24	106.58 -17.04 28.01	113.06 -12.62 4.00	110.92 -11.18 -0.61



HUNTLEY___67 23561	33.77 -7.17 34.73	65.93 -11.63 45.47	54.85 -6.44 2.50	97.60 -12.00 10.52	52.73 -6.00 3.37	12.25 -1.77 6.25	18.98 -2.82 7.72	33.63 -4.81 6.69	17.99 -4.12 13.97	9.73 -3.67 16.91	28.86 -6.73 17.38	55.60 -11.26 20.29	102.83 -25.74 70.67	85.15 -18.64 43.93	71.86 -17.09 44.96	65.04 -17.89 51.67	54.25 -13.25 35.85	141.24 -23.84 45.64	80.69 -12.31 17.35	62.38 -10.67 16.78	123.31 -21.73 46.96	102.11 -16.78 32.74	112.50 -12.51 4.67	111.28 -10.83 -0.62
HUNTLEY___68 23562	33.77 -7.17 34.73	65.93 -11.63 45.47	54.85 -6.44 2.50	97.60 -12.00 10.52	52.73 -6.00 3.37	12.25 -1.77 6.25	18.98 -2.82 7.72	33.63 -4.81 6.69	17.99 -4.12 13.97	9.73 -3.67 16.91	28.86 -6.73 17.38	55.60 -11.26 20.29	102.83 -25.74 70.67	85.15 -18.64 43.93	71.86 -17.09 44.96	65.04 -17.89 51.67	54.25 -13.25 35.85	141.24 -23.84 45.64	80.69 -12.31 17.35	62.38 -10.67 16.78	123.31 -21.73 46.96	102.11 -16.78 32.74	112.50 -12.51 4.67	111.28 -10.83 -0.62
HYLAND___LFG 323620	21.97 -1.09 52.62	51.51 -2.27 69.24	58.43 -1.56 3.81	101.14 -3.13 15.86	55.62 -1.40 5.09	10.64 -0.20 9.43	17.61 -0.30 11.61	72.21 -0.44 -27.53	68.11 -0.36 -32.39	31.21 -0.49 -1.39	58.35 -1.32 -6.70	130.88 -2.82 -46.55	195.09 -5.05 -0.91	275.73 -2.33 -130.34	271.99 -1.85 -139.92	301.08 -1.60 -168.08	212.21 0.04 -108.82	404.01 2.96 -190.33	274.13 1.61 -162.16	236.25 1.00 -145.42	353.36 2.08 -159.27	263.83 0.34 -111.87	145.28 -0.38 -15.96	120.78 -1.38 -0.68
INDECK___CORINTH 23802	82.24 6.56 0.00	133.68 10.65 0.00	69.15 5.36 0.00	129.98 9.86 0.00	82.00 5.10 -14.79	102.68 1.68 -80.72	161.49 2.83 -129.15	446.51 4.28 -397.11	1231.47 3.42 -1191.97	631.40 2.79 -598.29	228.30 4.82 -170.51	173.64 7.52 -78.97	215.55 16.31 0.00	159.10 11.37 0.00	145.14 11.23 0.00	145.63 11.03 0.00	112.90 9.54 0.00	292.73 20.98 -61.03	339.02 11.09 -217.57	260.93 8.89 -162.21	209.75 17.75 0.00	166.01 14.38 0.00	141.07 11.39 0.00	144.01 11.12 -11.40
INDECK___ILION 23567	80.87 5.19 0.00	131.87 8.85 0.00	68.20 4.41 0.00	127.67 7.55 0.00	65.84 3.73 0.00	21.51 1.24 0.00	31.57 2.05 0.00	48.84 3.71 0.00	38.91 2.83 0.00	32.05 1.74 0.00	55.73 2.76 0.00	91.91 4.76 0.00	207.75 8.52 0.00	154.73 7.00 0.00	141.16 7.24 0.00	141.13 6.53 0.00	110.44 7.08 0.00	227.13 16.40 0.00	119.45 9.10 0.00	96.91 7.09 0.00	205.26 13.25 0.00	161.25 9.62 0.00	137.99 8.30 0.00	130.33 8.84 0.00
INDECK___OLEAN 23982	23.27 -4.78 47.63	52.98 -7.65 62.41	55.72 -4.64 3.43	97.37 -8.34 14.42	53.05 -4.43 4.62	10.38 -1.32 8.57	16.84 -2.10 10.57	40.84 -3.33 0.95	26.60 -2.65 6.83	10.79 -2.54 16.98	32.75 -3.99 16.23	71.06 -6.06 10.02	114.30 -12.87 72.07	125.61 -8.70 13.41	113.02 -8.36 12.53	111.99 -9.20 13.41	89.66 -6.28 7.42	195.11 -12.13 3.49	121.10 -6.81 -17.56	98.63 -5.87 -14.67	170.61 -10.08 11.32	136.44 -7.50 7.69	123.11 -5.47 1.10	117.67 -4.56 -0.73
INDECK___OSWEGO 23783	72.55 -3.13 0.00	117.74 -5.29 0.00	61.05 -2.74 0.00	114.72 -5.40 0.00	59.34 -2.76 0.00	19.47 -0.80 0.00	28.37 -1.14 0.00	45.68 -1.89 -2.45	34.63 -1.46 0.00	29.06 -1.25 0.00	50.59 -2.38 0.00	83.16 -3.99 0.00	189.77 -9.46 0.00	140.67 -7.05 0.00	127.79 -6.13 0.00	128.34 -6.26 0.00	98.97 -4.39 0.00	206.12 -8.31 -3.71	117.31 -4.12 -11.08	95.94 -3.38 -9.49	184.52 -7.49 0.00	145.57 -6.06 0.00	124.28 -5.41 0.00	116.86 -4.94 -0.30
INDECK___YERKES 23781	35.34 -6.92 33.42	67.93 -11.35 43.75	55.01 -6.38 2.41	98.45 -11.55 10.13	52.98 -5.88 3.25	12.52 -1.74 6.02	19.35 -2.74 7.43	35.11 -4.53 5.49	19.87 -3.92 12.29	11.04 -3.59 15.68	30.45 -6.53 15.98	58.32 -10.99 17.85	108.28 -25.33 65.62	91.84 -18.06 37.83	78.49 -16.82 38.60	72.49 -17.82 44.30	60.02 -12.83 30.51	148.89 -23.74 38.10	86.09 -12.33 11.93	67.37 -10.57 11.89	130.48 -21.29 40.24	106.76 -16.86 28.01	113.08 -12.60 4.00	110.83 -11.27 -0.61
INDIAN POINT_GT_1 24139	79.88 4.20 0.00	129.05 6.03 0.00	66.64 2.85 0.00	124.88 4.75 0.00	65.95 2.54 -1.30	28.39 1.02 -7.10	42.50 1.64 -11.35	110.79 2.79 -62.88	143.02 2.12 -104.82	84.62 1.70 -52.61	70.86 2.90 -14.99	98.68 4.59 -6.95	209.37 10.13 0.00	155.35 7.63 0.00	141.55 7.64 0.00	142.10 7.56 0.06	110.26 6.90 0.00	272.87 14.37 -47.77	268.85 7.76 -150.73	219.64 6.10 -123.71	204.10 12.09 0.00	161.01 9.39 0.00	137.01 7.33 0.00	133.13 7.16 -4.48
INDIAN POINT_GT_2 23659	79.88 4.20 0.00	129.05 6.03 0.00	66.64 2.85 0.00	124.88 4.75 0.00	65.95 2.54 -1.30	28.39 1.02 -7.10	42.50 1.64 -11.35	110.79 2.79 -62.88	143.02 2.12 -104.82	84.62 1.70 -52.61	70.86 2.90 -14.99	98.68 4.59 -6.95	209.37 10.13 0.00	155.35 7.63 0.00	141.55 7.64 0.00	142.10 7.56 0.06	110.26 6.90 0.00	272.87 14.37 -47.77	268.85 7.76 -150.73	219.64 6.10 -123.71	204.10 12.09 0.00	161.01 9.39 0.00	137.01 7.33 0.00	133.13 7.16 -4.48
INDIAN POINT_GT_3 24019	79.88 4.20 0.00	129.05 6.03 0.00	66.64 2.85 0.00	124.88 4.75 0.00	65.95 2.54 -1.30	28.39 1.02 -7.10	42.50 1.64 -11.35	110.79 2.79 -62.88	143.02 2.12 -104.82	84.62 1.70 -52.61	70.86 2.90 -14.99	98.68 4.59 -6.95	209.37 10.13 0.00	155.35 7.63 0.00	141.55 7.64 0.00	142.10 7.56 0.06	110.26 6.90 0.00	272.87 14.37 -47.77	268.85 7.76 -150.73	219.64 6.10 -123.71	204.10 12.09 0.00	161.01 9.39 0.00	137.01 7.33 0.00	133.13 7.16 -4.48
INDIAN POINT___2 23530	79.76 4.08 0.00	128.84 5.81 0.00	66.53 2.74 0.00	124.68 4.55 0.00	65.82 2.43 -1.28	28.24 0.99 -6.98	42.27 1.59 -11.17	109.78 2.70 -61.95	141.28 2.06 -103.14	83.71 1.63 -51.77	70.52 2.80 -14.75	98.39 4.41 -6.84	208.98 9.74 0.00	155.06 7.33 0.00	141.31 7.39 0.00	141.83 7.29 0.06	110.03 6.67 0.00	271.74 13.89 -47.13	266.57 7.52 -148.69	217.77 5.90 -122.04	203.63 11.62 0.00	160.66 9.04 0.00	136.74 7.05 0.00	132.81 6.91 -4.41
INDIAN POINT___3 23531	79.77 4.10 0.00	128.89 5.86 0.00	66.57 2.78 0.00	124.73 4.61 0.00	65.88 2.47 -1.30	28.37 0.99 -7.10	42.47 1.60 -11.36	110.78 2.72 -62.93	143.08 2.07 -104.92	84.62 1.65 -52.66	70.80 2.82 -15.01	98.59 4.48 -6.95	209.11 9.87 0.00	155.19 7.46 0.00	141.36 7.44 0.00	141.88 7.34 0.06	110.09 6.73 0.00	272.50 13.97 -47.81	268.75 7.55 -150.83	219.57 5.95 -123.79	203.73 11.72 0.00	160.76 9.13 0.00	136.83 7.14 0.00	132.98 7.01 -4.48
INGHAM_C_115KV_TB7 356103	80.31 4.63 0.00	130.96 7.93 0.00	67.75 3.95 0.00	126.81 6.68 0.00	65.39 3.29 0.00	21.35 1.08 0.00	31.33 1.82 0.00	48.45 3.32 0.00	38.59 2.51 0.00	31.79 1.47 0.00	55.28 2.31 0.00	91.17 4.02 0.00	205.99 6.76 0.00	153.44 5.72 0.00	139.97 6.05 0.00	139.83 5.23 0.00	109.48 6.12 0.00	225.03 14.31 0.00	118.34 7.98 0.00	96.01 6.19 0.00	203.39 11.38 0.00	159.88 8.25 0.00	136.86 7.17 0.00	129.44 7.94 0.00
IP CORINTH___1 23988	82.24 6.57 0.00	133.69 10.66 0.00	69.15 5.36 0.00	129.98 9.86 0.00	82.00 5.10 -14.79	102.68 1.69 -80.72	161.49 2.83 -129.15	446.56 4.32 -397.11	1231.48 3.43 -1191.97	631.40 2.80 -598.29	228.29 4.82 -170.51	173.64 7.52 -78.97	215.55 16.31 0.00	159.10 11.37 0.00	145.15 11.23 0.00	145.64 11.03 0.00	112.90 9.54 0.00	292.70 20.94 -61.03	339.03 11.10 -217.57	260.92 8.88 -162.21	209.75 17.75 0.00	166.01 14.38 0.00	141.07 11.39 0.00	144.02 11.13 -11.40

IP___TICONDEROGA 23804	84.65 8.97 0.00	137.98 14.95 0.00	71.36 7.57 0.00	134.22 14.09 0.00	83.89 7.20 -14.59	102.23 2.33 -79.63	161.39 4.48 -127.40	444.32 6.99 -392.21	1217.09 5.17 -1175.84	624.67 4.16 -590.19	228.45 7.29 -168.20	176.19 11.14 -77.89	223.67 24.44 0.00	163.84 16.11 0.00	149.76 15.84 0.00	150.23 15.63 0.00	117.14 13.78 0.00	301.88 30.24 -60.92	343.16 15.97 -216.83	264.79 13.10 -161.86	217.65 25.65 0.00	173.14 21.51 0.00	146.26 16.57 0.00	149.07 16.28 -11.30
ISLIP_RES_REC 323679	94.03 7.07 -11.28	133.50 10.48 0.00	68.70 4.91 0.00	128.63 8.50 0.00	67.69 4.27 -1.31	32.28 1.74 -10.27	48.03 2.71 -15.80	113.16 4.51 -63.53	145.32 3.33 -105.91	86.21 2.73 -53.16	72.92 4.80 -15.15	101.28 7.10 -7.02	215.08 15.85 0.00	159.21 11.49 0.00	145.74 11.82 0.00	146.51 11.97 0.06	115.33 11.37 -0.59	281.10 22.12 -48.25	274.91 12.30 -152.25	224.23 9.45 -124.96	211.91 19.91 0.00	166.54 14.91 0.00	141.69 12.00 0.00	137.65 11.64 -4.52
JAMAICA__27_KV_LOAD 355505	80.81 5.13 0.00	130.27 7.24 0.00	67.27 3.48 0.00	125.91 5.78 0.00	66.53 3.11 -1.31	28.68 1.24 -7.17	42.98 1.99 -11.48	112.08 3.41 -63.54	144.65 2.62 -105.94	85.65 2.16 -53.17	71.80 3.68 -15.15	99.90 5.73 -7.02	212.08 12.85 0.00	157.55 9.83 0.00	143.44 9.53 0.00	144.29 9.74 0.06	111.92 8.56 0.00	276.52 17.53 -48.27	272.32 9.67 -152.29	222.57 7.75 -124.99	207.31 15.31 0.00	163.69 12.07 0.00	138.83 9.15 0.00	134.86 8.85 -4.52
JANIS___SOLAR 323808	172.06 1.11 -95.28	253.08 1.75 -128.30	71.65 0.80 -7.05	149.43 1.27 -28.04	72.69 0.92 -9.66	41.10 0.50 -20.33	56.72 0.79 -26.41	82.72 1.23 -36.37	102.03 0.90 -65.05	89.94 0.54 -59.08	91.18 0.34 -37.87	108.10 1.48 -19.47	339.48 4.92 -135.32	171.66 4.57 -19.36	155.41 4.84 -16.66	151.04 5.40 -11.04	121.18 4.25 -13.57	242.57 6.86 -24.98	167.84 3.89 -53.59	134.89 3.10 -41.97	208.85 5.72 -11.13	162.80 3.82 -7.35	133.61 2.88 -1.05	125.57 2.71 -1.36
JARVIS____ 23743	76.12 0.44 0.00	123.77 0.74 0.00	64.10 0.32 0.00	120.61 0.48 0.00	62.35 0.25 0.00	20.37 0.10 0.00	29.67 0.16 0.00	45.40 0.27 0.00	36.27 0.18 0.00	30.43 0.12 0.00	53.17 0.20 0.00	87.54 0.39 0.00	199.85 0.61 0.00	148.18 0.46 0.00	134.44 0.52 0.00	135.00 0.39 0.00	103.96 0.60 0.00	212.15 1.43 0.00	111.16 0.80 0.00	90.48 0.66 0.00	193.16 1.16 0.00	152.62 0.99 0.00	130.49 0.80 0.00	122.36 0.86 0.00
JENNISON___1 23625	97.55 0.36 -21.51	154.48 0.48 -30.98	65.68 0.19 -1.70	126.02 0.04 -5.86	65.22 0.13 -2.98	29.98 0.20 -9.51	43.83 0.39 -13.93	85.53 0.68 -39.73	127.46 0.65 -90.73	81.60 0.20 -51.08	71.51 -0.18 -18.72	95.97 0.33 -8.48	228.53 1.99 -27.31	152.37 2.47 -2.18	138.17 2.75 -1.51	137.96 3.62 0.26	108.03 3.39 -1.28	231.42 3.91 -16.79	167.83 2.36 -55.12	135.57 2.04 -43.71	195.23 3.09 -0.13	153.48 1.85 0.00	130.76 1.07 0.00	124.35 1.00 -1.86
JENNISON___2 23626	97.55 0.36 -21.51	154.48 0.48 -30.98	65.68 0.19 -1.70	126.02 0.04 -5.86	65.22 0.13 -2.98	29.98 0.20 -9.51	43.83 0.39 -13.93	85.53 0.68 -39.73	127.46 0.65 -90.73	81.60 0.20 -51.08	71.51 -0.18 -18.72	95.97 0.33 -8.48	228.53 1.99 -27.31	152.37 2.47 -2.18	138.17 2.75 -1.51	137.96 3.62 0.26	108.03 3.39 -1.28	231.42 3.91 -16.79	167.83 2.36 -55.12	135.57 2.04 -43.71	195.23 3.09 -0.13	153.48 1.85 0.00	130.76 1.07 0.00	124.35 1.00 -1.86
JERICHO_RISE_WT_PWR 323719	75.86 0.18 0.00	123.36 0.33 0.00	64.11 0.32 0.00	121.74 1.62 0.00	62.80 0.69 0.00	20.34 0.07 0.00	29.51 0.00 0.00	44.98 -0.14 0.00	36.10 0.02 0.00	30.61 0.30 0.00	53.49 0.52 0.00	86.90 -0.25 0.00	198.75 -0.48 0.00	148.22 0.50 0.00	134.21 0.30 0.00	134.49 -0.12 0.00	101.70 -1.66 0.00	206.19 -4.53 0.00	107.75 -2.60 0.00	87.87 -1.95 0.00	189.43 -2.58 0.00	149.20 -2.43 0.00	127.47 -2.22 0.00	118.47 -3.02 0.00
KATONAH___115KV_46KV_TB4 355592	80.84 5.16 0.00	130.64 7.61 0.00	67.45 3.65 0.00	126.38 6.26 0.00	66.80 3.36 -1.34	28.88 1.28 -7.32	43.29 2.06 -11.72	113.18 3.44 -64.61	146.91 2.65 -108.18	86.72 2.11 -54.30	72.02 3.58 -15.47	100.08 5.76 -7.17	212.02 12.79 0.00	157.29 9.56 0.00	143.30 9.39 0.00	143.85 9.31 0.06	111.71 8.35 0.00	277.08 17.49 -48.87	274.06 9.50 -154.21	223.87 7.49 -126.55	207.03 15.02 0.00	163.25 11.62 0.00	138.87 9.18 0.00	134.93 8.86 -4.58
KCE_NY_1 323755	80.95 5.27 0.00	131.56 8.53 0.00	68.05 4.26 0.00	127.82 7.69 0.00	80.55 4.02 -14.43	100.35 1.31 -78.76	157.63 2.10 -126.01	436.81 3.36 -388.32	1201.78 2.65 -1163.05	616.21 2.13 -583.77	223.00 3.66 -166.37	170.07 5.88 -77.05	212.15 12.91 0.00	156.85 9.12 0.00	143.01 9.09 0.00	143.43 8.83 0.00	110.98 7.61 0.00	288.21 16.65 -60.83	335.44 8.84 -216.24	258.51 7.10 -161.58	206.20 14.20 0.00	162.86 11.23 0.00	138.62 8.93 0.00	141.46 8.75 -11.22
KCE_NY_6_ESR 323823	31.89 -6.34 37.45	63.62 -10.39 49.02	55.24 -5.85 2.70	97.87 -10.91 11.35	53.04 -5.43 3.64	11.94 -1.59 6.74	18.67 -2.52 8.32	33.80 -4.21 7.11	17.85 -3.54 14.70	8.98 -3.29 18.04	28.56 -5.92 18.48	55.91 -9.90 21.33	101.27 -22.57 75.40	86.08 -15.86 45.78	72.27 -14.80 46.84	65.24 -15.74 53.62	55.24 -11.15 36.97	142.83 -20.25 47.64	81.61 -10.65 18.10	63.28 -9.07 17.48	125.17 -17.78 49.05	103.56 -13.89 34.17	114.43 -10.38 4.88	113.17 -8.97 -0.65
KEDC_PORT_JEFF_GT2 24210	93.62 6.66 -11.28	132.83 9.80 0.00	68.39 4.59 0.00	128.03 7.91 0.00	67.38 3.96 -1.31	32.16 1.63 -10.27	47.85 2.53 -15.80	112.87 4.22 -63.53	145.09 3.09 -105.91	86.00 2.53 -53.16	72.59 4.47 -15.15	100.82 6.66 -7.02	214.07 14.84 0.00	158.41 10.69 0.00	144.94 11.02 0.00	145.67 11.13 0.06	114.61 10.65 -0.59	279.02 20.04 -48.25	273.87 11.26 -152.25	223.39 8.61 -124.96	210.40 18.39 0.00	165.61 13.98 0.00	140.91 11.23 0.00	136.93 10.92 -4.52
KEDC_PORT_JEFF_GT3 24211	93.62 6.66 -11.28	132.83 9.80 0.00	68.39 4.59 0.00	128.03 7.91 0.00	67.38 3.96 -1.31	32.16 1.63 -10.27	47.85 2.53 -15.80	112.87 4.22 -63.53	145.09 3.09 -105.91	86.00 2.53 -53.16	72.59 4.47 -15.15	100.82 6.66 -7.02	214.07 14.84 0.00	158.41 10.69 0.00	144.94 11.02 0.00	145.67 11.13 0.06	114.61 10.65 -0.59	279.02 20.04 -48.25	273.87 11.26 -152.25	223.39 8.61 -124.96	210.40 18.39 0.00	165.61 13.98 0.00	140.91 11.23 0.00	136.93 10.92 -4.52
KEDC_GLWD_GT4 24219	92.40 5.44 -11.28	130.87 7.84 0.00	67.49 3.70 0.00	126.35 6.23 0.00	66.71 3.29 -1.31	31.86 1.32 -10.27	47.41 2.09 -15.80	112.13 3.48 -63.53	144.64 2.65 -105.91	85.65 2.18 -53.16	71.92 3.80 -15.15	100.00 5.83 -7.02	212.41 13.17 0.00	157.32 9.59 0.00	143.57 9.65 0.00	144.07 9.53 0.06	112.90 8.94 -0.59	276.24 17.26 -48.25	271.94 9.33 -152.25	222.02 7.24 -124.96	207.48 15.47 0.00	163.34 11.71 0.00	138.93 9.24 0.00	135.02 9.00 -4.52
KEDC_GLWD_GT5 24220	92.40 5.44 -11.28	130.87 7.84 0.00	67.49 3.70 0.00	126.35 6.23 0.00	66.71 3.29 -1.31	31.86 1.32 -10.27	47.41 2.09 -15.80	112.13 3.48 -63.53	144.64 2.65 -105.91	85.65 2.18 -53.16	71.92 3.80 -15.15	100.00 5.83 -7.02	212.41 13.17 0.00	157.32 9.59 0.00	143.57 9.65 0.00	144.07 9.53 0.06	112.90 8.94 -0.59	276.24 17.26 -48.25	271.94 9.33 -152.25	222.02 7.24 -124.96	207.48 15.47 0.00	163.34 11.71 0.00	138.93 9.24 0.00	135.02 9.00 -4.52

KENSICO____ 23655	80.08 4.40 0.00	129.34 6.31 0.00	66.79 3.00 0.00	125.17 5.05 0.00	66.11 2.69 -1.31	28.50 1.07 -7.16	42.68 1.71 -11.45	111.45 2.91 -63.42	144.07 2.23 -105.75	85.19 1.79 -53.08	71.17 3.07 -15.12	99.03 4.87 -7.01	209.98 10.74 0.00	155.85 8.12 0.00	141.99 8.08 0.00	142.53 7.98 0.06	110.63 7.27 0.00	273.92 15.03 -48.16	270.45 8.12 -151.97	220.94 6.39 -124.73	204.67 12.67 0.00	161.47 9.84 0.00	137.39 7.70 0.00	133.53 7.53 -4.51
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	80.55 4.87 0.00	130.19 7.16 0.00	67.24 3.45 0.00	126.09 5.96 0.00	67.01 3.20 -1.70	30.79 1.21 -9.30	46.38 1.99 -14.88	120.15 3.34 -71.69	176.12 2.55 -137.49	101.14 1.81 -69.01	75.71 3.07 -19.67	101.39 5.13 -9.11	210.42 11.18 0.00	155.62 7.90 0.00	141.54 7.62 0.00	142.78 8.24 0.06	111.12 7.76 0.00	273.87 16.87 -46.28	266.14 9.15 -146.63	217.06 7.28 -119.95	206.67 14.67 0.00	162.95 11.32 0.00	138.52 8.83 0.00	134.49 8.52 -4.47
KIAC_JFK_GT1 23816	80.47 4.79 0.00	129.78 6.76 0.00	67.03 3.24 0.00	125.52 5.39 0.00	66.32 2.90 -1.31	28.61 1.16 -7.17	42.87 1.88 -11.48	111.90 3.23 -63.54	144.50 2.48 -105.94	85.53 2.05 -53.17	71.60 3.48 -15.15	99.60 5.43 -7.02	211.35 12.11 0.00	157.00 9.28 0.00	143.00 9.08 0.00	143.77 9.23 0.06	111.51 8.15 0.00	275.78 16.79 -48.27	271.87 9.21 -152.29	222.16 7.35 -124.99	206.48 14.48 0.00	163.01 11.38 0.00	138.35 8.66 0.00	134.29 8.27 -4.52
KIAC_JFK_GT2 23817	80.47 4.79 0.00	129.78 6.76 0.00	67.03 3.24 0.00	125.52 5.39 0.00	66.32 2.90 -1.31	28.61 1.16 -7.17	42.87 1.88 -11.48	111.90 3.23 -63.54	144.50 2.48 -105.94	85.53 2.05 -53.17	71.60 3.48 -15.15	99.60 5.43 -7.02	211.35 12.11 0.00	157.00 9.28 0.00	143.00 9.08 0.00	143.77 9.23 0.06	111.51 8.15 0.00	275.78 16.79 -48.27	271.87 9.21 -152.29	222.16 7.35 -124.99	206.48 14.48 0.00	163.01 11.38 0.00	138.35 8.66 0.00	134.29 8.27 -4.52
KIAC_JFK____ 323774	80.47 4.79 0.00	129.79 6.76 0.00	67.03 3.24 0.00	125.52 5.40 0.00	66.32 2.90 -1.31	28.61 1.17 -7.17	42.87 1.88 -11.48	111.90 3.23 -63.54	144.51 2.49 -105.94	85.53 2.04 -53.17	71.61 3.49 -15.15	99.60 5.43 -7.02	211.35 12.11 0.00	156.96 9.24 0.00	143.00 9.08 0.00	143.79 9.25 0.06	111.49 8.13 0.00	275.78 16.79 -48.27	271.87 9.22 -152.29	222.18 7.36 -124.99	206.45 14.44 0.00	163.00 11.37 0.00	138.33 8.64 0.00	134.29 8.27 -4.52
KINTIGH____ 23543	43.06 -6.49 26.13	78.29 -10.54 34.20	56.19 -5.72 1.88	101.43 -10.77 7.92	54.20 -5.37 2.54	13.98 -1.59 4.71	21.18 -2.52 5.81	38.30 -4.32 2.51	24.53 -3.68 7.87	15.64 -3.28 11.40	35.53 -5.97 11.47	65.75 -9.93 11.47	128.43 -22.90 47.90	107.70 -16.75 23.27	94.99 -15.40 23.52	94.37 -16.14 24.09	73.01 -11.91 18.44	168.57 -21.59 20.56	98.94 -11.10 0.32	78.97 -9.59 1.27	148.17 -19.84 23.99	119.58 -15.36 16.69	115.61 -11.70 2.38	111.90 -10.13 -0.54
KNTFSRNC_46_KV_46KV_LOAD 80397	77.48 1.80 0.00	125.92 2.89 0.00	65.36 1.57 0.00	124.02 3.90 0.00	63.94 1.83 0.00	20.72 0.45 0.00	30.13 0.62 0.00	45.97 0.84 0.00	36.91 0.83 0.00	31.26 0.95 0.00	54.46 1.49 0.00	88.54 1.39 0.00	202.07 2.83 0.00	150.34 2.62 0.00	136.52 2.61 0.00	136.69 2.08 0.00	103.59 0.23 0.00	210.40 -0.32 0.00	110.24 -0.12 0.00	89.66 -0.17 0.00	193.00 1.00 0.00	152.29 0.67 0.00	129.78 0.09 0.00	120.56 -0.93 0.00
LACHUTE__HYDRO 323717	84.64 8.96 0.00	137.97 14.94 0.00	71.36 7.56 0.00	134.21 14.08 0.00	83.88 7.19 -14.59	102.23 2.33 -79.63	161.39 4.47 -127.40	444.32 6.99 -392.21	1217.09 5.17 -1175.84	624.66 4.15 -590.19	228.46 7.29 -168.20	176.19 11.14 -77.89	223.66 24.43 0.00	163.84 16.12 0.00	149.75 15.83 0.00	150.24 15.64 0.00	117.15 13.79 0.00	301.85 30.20 -60.92	343.14 15.96 -216.83	264.79 13.10 -161.86	217.65 25.64 0.00	173.14 21.51 0.00	146.25 16.56 0.00	149.06 16.27 -11.30
LAWRNCV_115KV_TB1 80681	76.05 0.37 0.00	123.74 0.71 0.00	64.21 0.42 0.00	121.71 1.59 0.00	62.64 0.53 0.00	20.14 -0.13 0.00	29.29 -0.22 0.00	44.76 -0.37 0.00	35.92 -0.17 0.00	30.54 0.23 0.00	53.35 0.38 0.00	87.21 0.06 0.00	200.71 1.48 0.00	148.87 1.15 0.00	134.35 0.43 0.00	134.46 -0.14 0.00	101.75 -1.61 0.00	207.41 -3.32 0.00	108.08 -2.27 0.00	88.22 -1.61 0.00	190.00 -2.00 0.00	150.52 -1.11 0.00	129.58 -0.11 0.00	121.09 -0.40 0.00
LEDERLE____ 23769	79.98 4.30 0.00	129.18 6.15 0.00	66.70 2.91 0.00	125.01 4.89 0.00	65.97 2.60 -1.26	28.20 1.05 -6.88	42.20 1.69 -11.00	109.04 2.87 -61.04	139.82 2.18 -101.56	83.02 1.73 -50.97	70.48 2.98 -14.53	98.60 4.72 -6.73	209.64 10.40 0.00	155.59 7.87 0.00	141.67 7.76 0.00	142.25 7.71 0.06	110.38 7.03 0.00	271.78 14.59 -46.47	264.83 7.88 -146.60	216.39 6.24 -120.33	204.37 12.36 0.00	161.25 9.62 0.00	137.19 7.50 0.00	133.10 7.26 -4.35
LIGHTHSE_115KV_TB6 355974	73.69 -1.99 0.00	119.69 -3.34 0.00	61.97 -1.82 0.00	116.34 -3.78 0.00	60.11 -1.99 0.00	19.71 -0.56 0.00	28.77 -0.74 0.00	46.14 -1.22 -2.24	35.21 -0.88 0.00	29.56 -0.75 0.00	51.48 -1.49 0.00	84.46 -2.69 0.00	192.89 -6.35 0.00	142.62 -5.10 0.00	129.68 -4.24 0.00	130.18 -4.43 0.00	100.51 -2.86 0.00	209.87 -4.26 -3.41	118.49 -2.06 -10.19	97.24 -1.31 -8.73	189.44 -2.57 0.00	149.52 -2.11 0.00	127.11 -2.57 0.00	119.29 -2.47 -0.28
LINDEN COGEN____ 23786	71.77 4.14 8.05	85.63 5.69 43.10	49.28 2.71 17.22	69.57 4.36 54.92	48.95 2.40 15.55	27.74 1.01 -6.45	39.23 1.59 -8.13	98.03 2.72 -50.19	98.82 2.09 -60.66	62.48 1.68 -30.48	45.33 2.90 10.54	55.97 4.48 35.67	150.66 9.92 58.50	135.00 7.56 20.28	102.28 7.63 39.26	107.63 7.59 34.56	74.96 6.95 35.35	258.74 14.28 -33.74	98.11 7.76 20.01	169.88 6.11 -73.94	131.21 11.88 72.67	110.60 9.31 50.34	116.32 7.11 20.47	132.74 6.96 -4.29
LINDHRST_69_KV_BK1 356055	93.35 6.39 -11.28	132.38 9.35 0.00	68.20 4.41 0.00	127.72 7.60 0.00	67.37 3.96 -1.31	32.13 1.59 -10.27	47.80 2.48 -15.80	112.74 4.09 -63.53	145.04 3.04 -105.91	85.99 2.52 -53.16	72.52 4.41 -15.15	100.73 6.56 -7.02	213.95 14.71 0.00	158.54 10.81 0.00	144.34 10.42 0.00	145.04 10.50 0.06	114.09 10.13 -0.59	278.73 19.75 -48.25	273.51 10.90 -152.25	223.18 8.40 -124.96	209.63 17.63 0.00	164.98 13.35 0.00	140.54 10.85 0.00	136.58 10.57 -4.52
LIPA_MISC_IPP 23656	93.40 6.44 -11.28	132.51 9.48 0.00	68.18 4.39 0.00	127.64 7.52 0.00	67.03 3.61 -1.31	32.06 1.53 -10.27	47.73 2.42 -15.80	112.77 4.12 -63.53	144.98 2.99 -105.91	85.84 2.37 -53.16	72.34 4.22 -15.15	100.37 6.20 -7.02	212.59 13.35 0.00	157.52 9.80 0.00	144.37 10.45 0.00	145.09 10.55 0.06	114.26 10.30 -0.59	279.03 20.05 -48.25	273.92 11.31 -152.25	223.43 8.64 -124.96	210.16 18.15 0.00	165.10 13.48 0.00	140.50 10.82 0.00	136.51 10.49 -4.52
LISF__SOLAR 323691	93.59 6.62 -11.28	132.77 9.74 0.00	68.31 4.51 0.00	127.86 7.73 0.00	67.13 3.71 -1.31	32.12 1.58 -10.27	47.80 2.48 -15.80	112.86 4.22 -63.53	145.05 3.05 -105.91	85.89 2.42 -53.16	72.43 4.31 -15.15	100.47 6.30 -7.02	213.01 13.78 0.00	157.62 9.90 0.00	144.65 10.74 0.00	145.46 10.92 0.06	114.49 10.53 -0.59	279.60 20.62 -48.25	274.26 11.65 -152.25	223.66 8.88 -124.96	210.57 18.57 0.00	165.43 13.80 0.00	140.77 11.08 0.00	136.77 10.76 -4.52

LITTLE FALLS___HYD 24013	80.31 4.63 0.00	130.96 7.93 0.00	67.75 3.95 0.00	126.81 6.68 0.00	65.39 3.29 0.00	21.35 1.08 0.00	31.33 1.82 0.00	48.45 3.32 0.00	38.59 2.51 0.00	31.79 1.47 0.00	55.28 2.31 0.00	91.17 4.02 0.00	205.99 6.76 0.00	153.44 5.72 0.00	139.97 6.05 0.00	139.83 5.23 0.00	109.48 6.12 0.00	225.03 14.31 0.00	118.34 7.98 0.00	96.01 6.19 0.00	203.39 11.38 0.00	159.88 8.25 0.00	136.86 7.17 0.00	129.44 7.94 0.00
LITTLRIV_115KV_TB1 356100	77.06 1.39 0.00	125.43 2.40 0.00	65.08 1.29 0.00	123.38 3.25 0.00	63.53 1.42 0.00	20.39 0.11 0.00	29.68 0.17 0.00	45.36 0.23 0.00	36.41 0.32 0.00	31.01 0.69 0.00	54.15 1.18 0.00	88.35 1.20 0.00	203.48 4.24 0.00	150.92 3.20 0.00	136.09 2.18 0.00	136.22 1.62 0.00	103.08 -0.28 0.00	210.33 -0.39 0.00	109.58 -0.78 0.00	89.42 -0.40 0.00	192.55 0.55 0.00	152.44 0.81 0.00	131.36 1.67 0.00	122.79 1.30 0.00
LI_NEWBRIDGE___DRP 323616	92.07 5.11 -11.28	130.40 7.37 0.00	67.26 3.47 0.00	125.94 5.82 0.00	66.49 3.06 -1.31	31.78 1.24 -10.27	47.27 1.96 -15.80	111.92 3.27 -63.53	144.43 2.43 -105.91	85.48 2.01 -53.16	71.66 3.54 -15.15	99.55 5.38 -7.02	211.16 11.93 0.00	156.51 8.78 0.00	142.67 8.75 0.00	143.15 8.61 0.06	112.30 8.34 -0.59	275.32 16.34 -48.25	271.61 9.00 -152.25	221.71 6.93 -124.96	206.35 14.35 0.00	162.44 10.81 0.00	138.29 8.60 0.00	134.50 8.48 -4.52
LOCKPORT_115KV_TB60_63_64 80432	37.41 -7.39 30.88	70.60 -12.00 40.43	54.94 -6.63 2.23	98.68 -12.08 9.36	53.02 -6.09 3.00	12.92 -1.79 5.56	19.81 -2.84 6.86	35.85 -4.80 4.48	21.18 -4.12 10.78	12.43 -3.69 14.19	31.80 -6.80 14.36	60.12 -11.40 15.63	113.53 -26.32 59.38	95.89 -19.09 32.74	83.03 -17.56 33.33	78.02 -18.54 38.04	63.37 -13.60 26.39	154.20 -24.46 32.07	89.74 -12.58 8.03	70.51 -10.97 8.35	134.83 -22.50 34.68	109.99 -17.53 24.11	112.96 -13.27 3.45	110.12 -11.96 -0.58
LOCKPORT___CC1 323769	36.53 -7.75 31.40	69.26 -12.65 41.11	54.58 -6.95 2.26	97.96 -12.65 9.51	52.74 -6.31 3.05	12.73 -1.89 5.65	19.53 -3.01 6.98	35.21 -4.96 4.96	20.42 -4.21 11.45	11.78 -3.85 14.68	31.06 -6.99 14.92	58.87 -11.67 16.61	110.92 -26.93 61.38	93.43 -19.19 35.11	80.02 -18.09 35.81	74.48 -19.14 40.98	61.21 -13.82 28.33	150.07 -25.57 35.08	86.91 -13.25 10.20	68.22 -11.30 10.31	131.96 -22.68 37.37	107.67 -17.96 26.00	112.16 -13.81 3.72	109.59 -12.49 -0.59
LOCKPORT___CC2 323770	36.53 -7.75 31.40	69.26 -12.65 41.11	54.58 -6.95 2.26	97.96 -12.65 9.51	52.74 -6.31 3.05	12.73 -1.89 5.65	19.53 -3.01 6.98	35.21 -4.96 4.96	20.42 -4.21 11.45	11.78 -3.85 14.68	31.06 -6.99 14.92	58.87 -11.67 16.61	110.92 -26.93 61.38	93.43 -19.19 35.11	80.02 -18.09 35.81	74.48 -19.14 40.98	61.21 -13.82 28.33	150.07 -25.57 35.08	86.91 -13.25 10.20	68.22 -11.30 10.31	131.96 -22.68 37.37	107.67 -17.96 26.00	112.16 -13.81 3.72	109.59 -12.49 -0.59
LOCKPORT___CC3 323771	36.53 -7.75 31.40	69.26 -12.65 41.11	54.58 -6.95 2.26	97.96 -12.65 9.51	52.74 -6.31 3.05	12.73 -1.89 5.65	19.53 -3.01 6.98	35.21 -4.96 4.96	20.42 -4.21 11.45	11.78 -3.85 14.68	31.06 -6.99 14.92	58.87 -11.67 16.61	110.92 -26.93 61.38	93.43 -19.19 35.11	80.02 -18.09 35.81	74.48 -19.14 40.98	61.21 -13.82 28.33	150.07 -25.57 35.08	86.91 -13.25 10.20	68.22 -11.30 10.31	131.96 -22.68 37.37	107.67 -17.96 26.00	112.16 -13.81 3.72	109.59 -12.49 -0.59
LONG_LAKE_PHOENIX 24014	73.58 -2.10 0.00	119.38 -3.65 0.00	61.88 -1.91 0.00	116.30 -3.83 0.00	60.21 -1.90 0.00	19.76 -0.52 0.00	28.79 -0.72 0.00	46.42 -1.23 -2.53	35.10 -0.98 0.00	29.44 -0.88 0.00	51.23 -1.74 0.00	84.28 -2.87 0.00	192.38 -6.86 0.00	142.60 -5.12 0.00	129.59 -4.33 0.00	130.14 -4.46 0.00	100.35 -3.01 0.00	209.14 -5.41 -3.83	119.07 -2.73 -11.44	97.33 -2.30 -9.80	186.73 -5.27 0.00	147.29 -4.34 0.00	125.83 -3.86 0.00	118.34 -3.47 -0.31
LOVETT___3 23632	79.58 3.90 0.00	128.56 5.53 0.00	66.39 2.60 0.00	124.42 4.30 0.00	65.67 2.31 -1.27	28.12 0.94 -6.91	42.08 1.52 -11.05	109.01 2.60 -61.29	140.04 1.97 -101.99	83.06 1.56 -51.19	70.23 2.68 -14.59	98.12 4.21 -6.76	208.53 9.30 0.00	154.76 7.04 0.00	140.94 7.03 0.00	141.48 6.94 0.06	109.78 6.42 0.00	270.69 13.32 -46.65	264.75 7.22 -147.17	216.32 5.70 -120.79	203.20 11.19 0.00	160.35 8.72 0.00	136.47 6.78 0.00	132.51 6.65 -4.37
LOVETT___4 23642	79.58 3.90 0.00	128.56 5.53 0.00	66.39 2.60 0.00	124.42 4.30 0.00	65.67 2.31 -1.27	28.12 0.94 -6.91	42.08 1.52 -11.05	109.01 2.60 -61.29	140.04 1.97 -101.99	83.06 1.56 -51.19	70.23 2.68 -14.59	98.12 4.21 -6.76	208.53 9.30 0.00	154.76 7.04 0.00	140.94 7.03 0.00	141.48 6.94 0.06	109.78 6.42 0.00	270.69 13.32 -46.65	264.75 7.22 -147.17	216.32 5.70 -120.79	203.20 11.19 0.00	160.35 8.72 0.00	136.47 6.78 0.00	132.51 6.65 -4.37
LOVETT___5 23593	79.58 3.90 0.00	128.56 5.53 0.00	66.39 2.60 0.00	124.42 4.30 0.00	65.67 2.31 -1.27	28.12 0.94 -6.91	42.08 1.52 -11.05	109.01 2.60 -61.29	140.04 1.97 -101.99	83.06 1.56 -51.19	70.23 2.68 -14.59	98.12 4.21 -6.76	208.53 9.30 0.00	154.76 7.04 0.00	140.94 7.03 0.00	141.48 6.94 0.06	109.78 6.42 0.00	270.69 13.32 -46.65	264.75 7.22 -147.17	216.32 5.70 -120.79	203.20 11.19 0.00	160.35 8.72 0.00	136.47 6.78 0.00	132.51 6.65 -4.37
LOWER RAQUET___HYD 24057	76.09 0.42 0.00	123.79 0.77 0.00	64.22 0.43 0.00	121.79 1.67 0.00	62.62 0.52 0.00	20.10 -0.18 0.00	29.23 -0.28 0.00	44.67 -0.45 0.00	35.85 -0.23 0.00	30.54 0.23 0.00	53.34 0.37 0.00	87.14 -0.01 0.00	200.54 1.31 0.00	148.71 0.99 0.00	134.21 0.29 0.00	134.13 -0.48 0.00	101.46 -1.90 0.00	206.80 -3.92 0.00	107.82 -2.54 0.00	88.03 -1.80 0.00	189.64 -2.36 0.00	150.35 -1.28 0.00	129.53 -0.16 0.00	121.09 -0.40 0.00
LOWER___HUDSON 24059	79.77 4.09 0.00	129.57 6.55 0.00	67.05 3.26 0.00	125.89 5.77 0.00	77.32 2.97 -12.24	88.04 0.94 -66.83	137.94 1.50 -106.93	382.44 2.44 -334.87	1024.83 1.88 -986.87	527.18 1.53 -495.34	196.82 2.69 -141.17	156.95 4.44 -65.36	209.14 9.91 0.00	154.76 7.03 0.00	140.84 6.92 0.00	141.12 6.52 0.00	109.03 5.67 0.00	282.79 12.32 -59.74	325.39 6.59 -208.44	253.11 5.25 -158.03	202.28 10.28 0.00	159.74 8.11 0.00	136.34 6.65 0.00	138.41 6.80 -10.12
LOWVILLE_115KV_TB2 356335	75.33 -0.35 0.00	122.66 -0.37 0.00	63.67 -0.12 0.00	119.43 -0.70 0.00	61.31 -0.80 0.00	20.00 -0.27 0.00	29.29 -0.22 0.00	45.78 -0.38 -1.04	35.88 -0.20 0.00	30.29 -0.03 0.00	53.04 0.08 0.00	86.69 -0.46 0.00	198.53 -0.71 0.00	146.00 -1.73 0.00	132.88 -1.03 0.00	132.64 -1.96 0.00	102.33 -1.03 0.00	212.17 -0.21 -1.66	115.30 -0.01 -4.96	95.16 1.09 -4.25	196.06 4.06 0.00	155.45 3.82 0.00	131.28 1.59 0.00	121.97 0.35 -0.13
LUTHERFT_115KV_GLOB_FND_222 355753	80.90 5.23 0.00	131.47 8.44 0.00	68.01 4.22 0.00	127.78 7.65 0.00	80.51 3.97 -14.43	100.34 1.31 -78.76	157.63 2.10 -126.01	436.77 3.33 -388.32	1201.73 2.60 -1163.05	616.19 2.10 -583.77	222.96 3.62 -166.37	170.05 5.86 -77.05	212.00 12.77 0.00	156.75 9.03 0.00	142.89 8.97 0.00	143.31 8.71 0.00	110.89 7.53 0.00	288.00 16.45 -60.83	335.35 8.76 -216.24	258.41 7.00 -161.58	206.02 14.02 0.00	162.74 11.11 0.00	138.59 8.90 0.00	141.46 8.75 -11.22

LUTHERNY_35_KV_BK2 355980	80.96 5.28 0.00	131.56 8.54 0.00	68.05 4.26 0.00	127.82 7.69 0.00	80.56 4.02 -14.43	100.35 1.31 -78.76	157.63 2.10 -126.01	436.81 3.36 -388.32	1201.78 2.65 -1163.05	616.22 2.13 -583.77	223.00 3.66 -166.37	170.07 5.88 -77.05	212.15 12.91 0.00	156.84 9.12 0.00	143.02 9.10 0.00	143.42 8.82 0.00	110.99 7.62 0.00	288.21 16.65 -60.83	335.45 8.86 -216.24	258.51 7.11 -161.58	206.22 14.21 0.00	162.88 11.24 0.00	138.64 8.95 0.00	141.46 8.75 -11.22
LWR___OSWEGATCHIE_HYD 23850	75.63 -0.05 0.00	123.05 0.02 0.00	63.82 0.03 0.00	120.37 0.25 0.00	61.86 -0.24 0.00	19.99 -0.29 0.00	29.18 -0.33 0.00	45.37 -0.54 -0.79	35.79 -0.30 0.00	30.37 0.06 0.00	53.07 0.10 0.00	86.69 -0.46 0.00	198.93 -0.30 0.00	146.94 -0.78 0.00	133.15 -0.76 0.00	132.97 -1.63 0.00	101.57 -1.79 0.00	209.45 -2.51 -1.23	112.53 -1.51 -3.68	92.43 -0.56 -3.16	192.42 0.42 0.00	152.45 0.82 0.00	130.06 0.38 0.00	121.44 -0.15 -0.10
LYONS_FALL_HYD 23570	76.32 0.64 0.00	124.19 1.16 0.00	64.43 0.63 0.00	120.95 0.82 0.00	62.27 0.16 0.00	20.35 0.08 0.00	29.77 0.26 0.00	46.43 0.34 -0.96	36.42 0.34 0.00	30.69 0.38 0.00	53.70 0.73 0.00	88.06 0.91 0.00	201.39 2.16 0.00	148.54 0.82 0.00	135.14 1.23 0.00	135.19 0.59 0.00	104.22 0.86 0.00	215.40 3.12 -1.55	116.74 1.73 -4.64	95.87 2.07 -3.98	197.42 5.42 0.00	156.20 4.57 0.00	132.37 2.68 0.00	123.38 1.76 -0.13
MADISON___COUNTY_LFGE 323628	77.28 1.60 0.00	125.74 2.71 0.00	65.19 1.40 0.00	122.65 2.52 0.00	63.39 1.28 0.00	20.79 0.52 0.00	30.38 0.87 0.00	48.46 1.47 -1.87	38.09 1.39 -0.62	33.65 1.07 -2.27	56.91 1.82 -2.12	90.03 2.88 0.00	205.48 6.24 0.00	152.11 4.38 0.00	138.44 4.52 0.00	138.40 3.80 0.00	106.75 3.39 0.00	220.51 7.04 -2.75	122.33 3.74 -8.22	99.98 3.11 -7.05	198.40 6.39 0.00	156.41 4.79 0.00	133.31 3.63 0.00	124.87 3.15 -0.22
MALONE___115KV_TB1 356076	77.39 1.71 0.00	125.70 2.67 0.00	65.27 1.49 0.00	123.89 3.76 0.00	63.84 1.73 0.00	20.66 0.38 0.00	30.01 0.50 0.00	45.81 0.69 0.00	36.81 0.72 0.00	31.23 0.92 0.00	54.39 1.42 0.00	88.59 1.44 0.00	203.16 3.93 0.00	151.39 3.67 0.00	136.95 3.03 0.00	137.15 2.54 0.00	103.87 0.51 0.00	211.35 0.63 0.00	110.39 0.04 0.00	89.95 0.12 0.00	193.79 1.79 0.00	152.73 1.10 0.00	130.74 1.06 0.00	121.63 0.14 0.00
MAPLEWOD_115KV_TB3 80458	79.40 3.72 0.00	129.05 6.02 0.00	66.77 2.98 0.00	125.36 5.23 0.00	75.05 2.67 -10.27	77.17 0.84 -56.06	120.46 1.26 -89.69	334.20 2.02 -287.05	865.43 1.55 -827.79	447.11 1.30 -415.50	173.71 2.33 -118.41	145.89 3.97 -54.77	207.82 8.59 0.00	153.79 6.07 0.00	139.61 5.69 0.00	139.82 5.21 0.00	108.09 4.72 0.00	280.16 10.04 -59.39	318.37 5.40 -202.61	250.40 4.24 -156.34	200.24 8.23 0.00	158.19 6.56 0.00	135.40 5.71 0.00	136.63 6.12 -9.02
MAPLE_RIDGE_WT_1 323574	73.57 -2.11 0.00	119.97 -3.06 0.00	62.38 -1.42 0.00	117.85 -2.27 0.00	60.76 -1.35 0.00	19.79 -0.48 0.00	28.80 -0.71 0.00	43.99 -1.13 0.00	35.25 -0.84 0.00	29.68 -0.63 0.00	51.94 -1.04 0.00	85.00 -2.15 0.00	194.87 -4.36 0.00	144.75 -2.97 0.00	130.97 -2.95 0.00	131.59 -3.02 0.00	100.54 -2.82 0.00	204.93 -5.79 0.00	107.05 -3.31 0.00	87.78 -2.05 0.00	189.23 -2.78 0.00	150.22 -1.41 0.00	128.17 -1.52 0.00	119.50 -1.99 0.00
MAPLE_RIDGE_WT_2 323611	73.57 -2.11 0.00	119.97 -3.06 0.00	62.38 -1.42 0.00	117.85 -2.27 0.00	60.76 -1.35 0.00	19.79 -0.48 0.00	28.80 -0.71 0.00	43.99 -1.13 0.00	35.25 -0.84 0.00	29.68 -0.63 0.00	51.94 -1.04 0.00	85.00 -2.15 0.00	194.87 -4.36 0.00	144.75 -2.97 0.00	130.97 -2.95 0.00	131.59 -3.02 0.00	100.54 -2.82 0.00	204.93 -5.79 0.00	107.05 -3.31 0.00	87.78 -2.05 0.00	189.23 -2.78 0.00	150.22 -1.41 0.00	128.17 -1.52 0.00	119.50 -1.99 0.00
MARBLE_RIVER_WT_PWR 323696	75.97 0.30 0.00	123.52 0.49 0.00	64.18 0.39 0.00	121.79 1.67 0.00	62.82 0.71 0.00	20.35 0.08 0.00	29.56 0.05 0.00	45.08 -0.05 0.00	36.18 0.09 0.00	30.64 0.33 0.00	53.53 0.56 0.00	86.93 -0.22 0.00	198.66 -0.58 0.00	148.01 0.29 0.00	134.10 0.19 0.00	134.39 -0.22 0.00	101.67 -1.70 0.00	206.16 -4.57 0.00	107.84 -2.51 0.00	87.91 -1.92 0.00	189.50 -2.50 0.00	149.30 -2.33 0.00	127.41 -2.28 0.00	118.44 -3.06 0.00
MARSHVLE_115KV_TB1 80742	79.75 4.07 0.00	129.80 6.77 0.00	67.24 3.45 0.00	126.51 6.38 0.00	78.82 3.35 -13.36	94.35 1.14 -72.94	148.02 1.81 -116.70	415.35 2.75 -367.48	1115.34 2.14 -1077.12	572.44 1.49 -540.64	209.30 2.25 -154.08	162.15 3.64 -71.36	206.96 7.72 0.00	154.67 6.95 0.00	140.57 6.65 0.00	141.13 6.60 0.07	109.47 6.11 0.00	292.35 13.38 -68.25	353.30 7.03 -235.91	275.63 5.64 -180.17	203.88 11.88 0.00	161.06 9.43 0.00	137.51 7.82 0.00	139.70 6.82 -11.39
MARSH_HILL_WT_PWR 323713	-19.86 -7.07 88.47	-6.23 -12.46 116.80	50.29 -7.08 6.42	79.74 -13.80 26.58	46.89 -7.04 8.18	4.33 -2.00 13.94	9.94 -3.08 16.49	72.85 -4.69 -32.42	88.17 -3.73 -55.81	30.11 -3.26 -3.06	46.14 -6.01 0.83	119.85 -9.70 -42.39	127.51 -21.08 50.65	260.21 -10.96 -123.45	259.49 -8.45 -134.02	290.82 -7.36 -163.58	202.17 -5.75 -104.55	387.95 -10.44 -187.67	267.92 -5.41 -162.97	232.08 -4.38 -146.63	337.14 -10.15 -155.28	252.03 -8.84 -109.24	137.61 -7.67 -15.59	116.38 -6.07 -0.96
MCINTYRE_115KV_TB2 80467	77.53 1.85 0.00	126.18 3.15 0.00	65.52 1.73 0.00	124.22 4.09 0.00	64.04 1.93 0.00	20.61 0.34 0.00	30.03 0.52 0.00	45.90 0.78 0.00	36.84 0.75 0.00	31.29 0.98 0.00	54.63 1.67 0.00	89.12 1.97 0.00	205.30 6.07 0.00	152.32 4.60 0.00	137.27 3.35 0.00	137.90 3.29 0.00	104.45 1.08 0.00	213.12 2.40 0.00	111.01 0.65 0.00	90.52 0.69 0.00	194.83 2.83 0.00	153.99 2.36 0.00	132.47 2.79 0.00	123.65 2.16 0.00
MECO_____69_KV_BK1 80468	81.23 5.55 0.00	132.07 9.04 0.00	68.38 4.59 0.00	128.55 8.42 0.00	80.87 4.42 -14.35	100.07 1.50 -78.30	157.17 2.37 -125.28	438.32 3.70 -389.50	1195.27 2.90 -1156.28	612.84 2.15 -580.37	221.79 3.42 -165.40	169.06 5.31 -76.61	210.35 11.12 0.00	156.95 9.22 0.00	143.19 9.27 0.00	143.71 9.17 0.06	111.83 8.47 0.00	295.13 18.71 -65.70	350.66 9.88 -230.42	271.71 7.89 -173.99	208.35 16.35 0.00	164.40 12.78 0.00	139.98 10.29 0.00	142.43 9.33 -11.61
MENANDS___115KV_TB5 355628	78.95 3.27 0.00	128.36 5.33 0.00	66.41 2.62 0.00	124.67 4.54 0.00	74.25 2.30 -9.85	74.77 0.73 -53.77	116.58 1.05 -86.02	323.67 1.70 -276.85	831.33 1.28 -793.96	429.91 1.08 -398.52	168.47 1.92 -113.57	143.03 3.36 -52.51	206.33 7.09 0.00	152.68 4.95 0.00	138.48 4.57 0.00	138.64 4.04 0.00	107.20 3.84 0.00	277.95 7.96 -59.27	315.76 4.30 -201.10	249.03 3.38 -155.82	198.44 6.43 0.00	156.89 5.26 0.00	134.42 4.73 0.00	135.66 5.41 -8.76
MG INDUSTRY___DRP 24185	78.60 2.92 0.00	127.92 4.89 0.00	66.22 2.43 0.00	124.37 4.25 0.00	71.44 2.66 -6.67	58.45 1.75 -36.43	90.01 2.17 -58.33	248.08 2.60 -200.36	580.39 2.06 -542.24	303.99 1.51 -272.17	132.39 1.85 -77.57	126.87 3.81 -35.90	206.87 7.64 0.00	152.60 4.88 0.00	138.60 4.69 0.00	139.43 4.82 0.00	108.70 5.33 0.00	279.74 11.55 -57.47	304.99 6.09 -188.55	244.67 4.81 -150.04	201.78 9.78 0.00	159.63 8.00 0.00	137.01 7.32 0.00	136.85 8.34 -7.02

MID___OSWEGATCHIE_HYD 23849	75.63 -0.05 0.00	123.05 0.02 0.00	63.82 0.03 0.00	120.37 0.25 0.00	61.86 -0.24 0.00	19.99 -0.29 0.00	29.18 -0.33 0.00	45.37 -0.54 -0.79	35.79 -0.30 0.00	30.37 0.06 0.00	53.07 0.10 0.00	86.69 -0.46 0.00	198.93 -0.30 0.00	146.94 -0.78 0.00	133.15 -0.76 0.00	132.97 -1.63 0.00	101.57 -1.79 0.00	209.45 -2.51 -1.23	112.53 -1.51 -3.68	92.43 -0.56 -3.16	192.42 0.42 0.00	152.45 0.82 0.00	130.06 0.38 0.00	121.44 -0.15 -0.10
MID___RAQUETTE_HYD 23851	76.09 0.41 0.00	123.79 0.76 0.00	64.21 0.42 0.00	121.80 1.67 0.00	62.62 0.52 0.00	20.09 -0.19 0.00	29.23 -0.28 0.00	44.67 -0.45 0.00	35.86 -0.22 0.00	30.54 0.22 0.00	53.34 0.37 0.00	87.14 -0.01 0.00	200.51 1.28 0.00	148.71 0.99 0.00	134.21 0.29 0.00	134.11 -0.49 0.00	101.46 -1.90 0.00	206.80 -3.92 0.00	107.81 -2.54 0.00	88.03 -1.80 0.00	189.66 -2.34 0.00	150.36 -1.26 0.00	129.53 -0.16 0.00	121.08 -0.41 0.00
MILLIKEN___1 23584	189.30 0.16 -113.46	274.84 -0.01 -151.82	72.08 -0.06 -8.35	153.37 -0.37 -33.62	73.15 -0.09 -11.14	42.31 0.09 -21.95	57.46 0.15 -27.80	74.18 0.28 -28.77	78.28 0.21 -41.98	83.14 0.07 -52.76	92.97 -0.10 -40.11	107.68 -0.03 -20.56	360.85 -0.03 -161.64	170.17 0.30 -22.14	153.49 0.73 -18.84	147.46 0.82 -12.04	119.84 1.08 -15.40	236.04 2.73 -22.58	155.78 1.70 -43.73	124.97 1.29 -33.85	206.30 2.20 -12.09	160.79 1.23 -7.93	131.69 0.87 -1.13	123.48 1.04 -0.95
MILLIKEN___2 23585	189.30 0.16 -113.46	274.84 -0.01 -151.82	72.08 -0.06 -8.35	153.37 -0.37 -33.62	73.15 -0.09 -11.14	42.31 0.09 -21.95	57.46 0.15 -27.80	74.18 0.28 -28.77	78.28 0.21 -41.98	83.14 0.07 -52.76	92.97 -0.10 -40.11	107.68 -0.03 -20.56	360.85 -0.03 -161.64	170.17 0.30 -22.14	153.49 0.73 -18.84	147.46 0.82 -12.04	119.84 1.08 -15.40	236.04 2.73 -22.58	155.78 1.70 -43.73	124.97 1.29 -33.85	206.30 2.20 -12.09	160.79 1.23 -7.93	131.69 0.87 -1.13	123.48 1.04 -0.95
MILLIKEN___DIESEL 23629	189.30 0.16 -113.46	274.84 -0.01 -151.82	72.08 -0.06 -8.35	153.37 -0.37 -33.62	73.15 -0.09 -11.14	42.31 0.09 -21.95	57.46 0.15 -27.80	74.18 0.28 -28.77	78.28 0.21 -41.98	83.14 0.07 -52.76	92.97 -0.10 -40.11	107.68 -0.03 -20.56	360.85 -0.03 -161.64	170.17 0.30 -22.14	153.49 0.73 -18.84	147.46 0.82 -12.04	119.84 1.08 -15.40	236.04 2.73 -22.58	155.78 1.70 -43.73	124.97 1.29 -33.85	206.30 2.20 -12.09	160.79 1.23 -7.93	131.69 0.87 -1.13	123.48 1.04 -0.95
MILLSEAT___LFGE 323607	41.48 -5.27 28.93	76.48 -8.68 37.87	56.82 -4.88 2.08	102.48 -8.88 8.76	54.90 -4.40 2.81	13.82 -1.24 5.21	21.10 -1.98 6.43	38.43 -3.27 3.43	24.04 -2.79 9.25	14.82 -2.63 12.86	35.10 -4.93 12.94	65.51 -8.20 13.43	126.01 -19.30 53.93	106.32 -12.91 27.59	93.05 -13.76 27.96	89.28 -9.63 31.56	71.57 -16.66 22.16	168.36 -8.58 25.70	98.04 -7.54 3.73	77.83 -14.88 4.45	148.27 -12.07 28.86	119.51 -9.10 20.05	117.72 -8.32 2.87	113.73 -0.56
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	79.93 4.26 0.00	129.16 6.13 0.00	66.70 2.91 0.00	124.97 4.85 0.00	66.02 2.60 -1.31	28.44 1.03 -7.13	42.58 1.66 -11.41	111.12 2.82 -63.18	143.59 2.16 -105.35	84.92 1.73 -52.88	70.99 2.95 -15.07	98.81 4.68 -6.98	209.57 10.33 0.00	155.51 7.79 0.00	141.70 7.78 0.00	142.24 7.69 0.06	110.37 7.01 0.00	273.28 14.58 -47.98	269.61 7.86 -151.39	220.26 6.19 -124.25	204.27 12.26 0.00	161.14 9.52 0.00	137.14 7.46 0.00	133.27 7.28 -4.49
MILLWOOD_13_KV_LOAD 356217	80.05 4.37 0.00	129.31 6.28 0.00	66.79 3.00 0.00	125.16 5.03 0.00	66.09 2.68 -1.31	28.47 1.06 -7.13	42.63 1.70 -11.41	111.20 2.90 -63.18	143.66 2.22 -105.35	84.96 1.77 -52.88	71.06 3.02 -15.07	98.92 4.79 -6.98	209.79 10.55 0.00	155.74 8.01 0.00	141.90 7.98 0.00	142.44 7.90 0.06	110.54 7.18 0.00	273.71 15.00 -47.98	269.83 8.08 -151.39	220.43 6.36 -124.25	204.58 12.57 0.00	161.41 9.78 0.00	137.36 7.67 0.00	133.47 7.49 -4.49
MODEL_CITY_ENERGY 24167	35.99 -7.76 31.93	68.57 -12.66 41.80	54.55 -6.95 2.30	97.59 -12.86 9.68	52.49 -6.51 3.10	12.57 -1.95 5.75	19.30 -3.12 7.10	35.21 -5.07 4.83	20.43 -4.32 11.33	11.61 -3.95 14.75	30.88 -7.17 14.92	58.71 -12.03 16.41	109.76 -27.81 61.67	93.51 -19.77 34.45	80.06 -18.77 35.09	74.39 -19.93 40.29	61.09 -14.45 27.83	149.97 -26.63 34.12	87.24 -13.83 9.28	68.50 -11.81 9.51	131.71 -23.63 36.66	107.46 -18.71 25.46	111.82 -14.22 3.65	109.22 -12.87 -0.60
MODERN_LFGE___ 323580	35.99 -7.76 31.93	68.57 -12.66 41.80	54.55 -6.95 2.30	97.59 -12.86 9.68	52.49 -6.51 3.10	12.57 -1.95 5.75	19.30 -3.12 7.10	35.21 -5.07 4.83	20.43 -4.32 11.33	11.61 -3.95 14.75	30.88 -7.17 14.92	58.71 -12.03 16.41	109.76 -27.81 61.67	93.51 -19.77 34.45	80.06 -18.77 35.09	74.39 -19.93 40.29	61.09 -14.45 27.83	149.97 -26.63 34.12	87.24 -13.83 9.28	68.50 -11.81 9.51	131.71 -23.63 36.66	107.46 -18.71 25.46	111.82 -14.22 3.65	109.22 -12.87 -0.60
MOHAWK_PAPER___DRP 24187	79.40 3.72 0.00	129.05 6.02 0.00	66.77 2.98 0.00	125.36 5.23 0.00	75.05 2.67 -10.27	77.17 0.84 -56.06	120.46 1.26 -89.69	334.20 2.02 -287.05	865.43 1.55 -827.79	447.11 1.30 -415.50	173.71 2.33 -118.41	145.89 3.97 -54.77	207.82 8.59 0.00	153.79 6.07 0.00	139.61 5.69 0.00	139.82 5.21 0.00	108.09 4.72 0.00	280.16 10.04 -59.39	318.37 5.40 -202.61	250.40 4.24 -156.34	200.24 8.23 0.00	158.19 6.56 0.00	135.40 5.71 0.00	136.63 6.12 -9.02
MOHICAN___35_KV_115KV_LD 80490	82.54 6.86 0.00	134.24 11.22 0.00	69.43 5.63 0.00	130.46 10.34 0.00	81.93 5.35 -14.47	101.02 1.76 -78.99	158.88 2.99 -126.38	439.12 4.66 -389.34	1206.09 3.61 -1166.40	618.71 2.95 -585.45	224.91 5.09 -166.85	172.42 8.00 -77.27	216.44 17.20 0.00	159.67 11.94 0.00	145.77 11.85 0.00	146.25 11.65 0.00	113.47 10.11 0.00	293.87 22.29 -60.86	338.55 11.80 -216.39	260.93 9.45 -161.65	210.91 18.91 0.00	166.84 15.21 0.00	141.67 11.98 0.00	144.49 11.76 -11.24
MONGAUP___HYD 23641	79.95 4.27 0.00	129.25 6.22 0.00	66.77 2.98 0.00	125.22 5.09 0.00	66.02 2.72 -1.19	27.83 1.06 -6.51	41.36 1.44 -10.41	105.45 2.47 -57.85	133.99 1.82 -96.09	79.59 1.05 -48.23	68.14 1.42 -13.74	96.37 2.85 -6.37	203.99 4.76 0.00	151.83 4.11 0.00	139.32 5.41 0.00	139.35 4.81 0.06	108.86 5.50 0.00	268.05 13.22 -44.11	256.71 7.20 -139.15	209.71 5.67 -114.22	203.25 11.24 0.00	161.37 9.74 0.00	137.50 7.81 0.00	133.07 7.45 -4.13
MONTAUK___DIESEL 23721	94.71 7.75 -11.28	131.51 8.48 0.00	66.96 3.17 0.00	125.31 5.19 0.00	65.74 2.32 -1.31	31.69 1.15 -10.27	47.38 2.06 -15.80	112.30 3.65 -63.53	144.52 2.52 -105.91	85.38 1.90 -53.16	71.39 3.27 -15.15	98.54 4.37 -7.02	208.17 8.93 0.00	154.23 6.50 0.00	141.93 8.02 0.00	143.00 8.45 0.06	112.26 8.30 -0.59	275.08 16.10 -48.25	272.70 10.10 -152.25	222.52 7.74 -124.96	208.10 16.10 0.00	163.28 11.66 0.00	138.81 9.12 0.00	134.85 8.84 -4.52
MOONROAD_115KV_HARTFLD_TB1-2 355988	27.19 -7.15 41.33	57.03 -11.87 54.13	53.92 -6.89 2.98	94.66 -12.94 12.52	51.50 -6.59 4.01	11.10 -1.73 7.44	17.64 -2.70 9.18	35.17 -4.74 5.21	19.88 -3.92 12.29	9.29 -3.09 17.94	29.49 -5.48 17.99	60.33 -8.94 17.87	101.98 -21.93 75.32	89.82 -16.29 41.61	77.97 -15.04 40.91	77.97 -15.63 41.00	47.32 -11.62 44.42	158.08 -18.92 33.72	94.05 -9.55 6.76	74.69 -7.89 7.24	140.20 -14.60 37.21	114.72 -11.05 25.86	119.24 -6.76 3.69	117.08 -5.09 -0.68

MORRIS_RIDGE___SOLAR 323848	10.99 -6.71 57.97	35.77 -11.15 76.11	53.46 -6.15 4.19	90.76 -11.84 17.52	50.87 -5.95 5.29	9.87 -1.77 8.64	16.78 -2.71 10.02	10.00 -4.22 30.90	1.34 -3.38 31.36	-4.99 -3.04 32.27	1.09 -5.53 46.35	-3.65 -9.12 81.67	-8.57 -13.44 186.80	-64.87 -11.13 199.15	-85.32 -11.16 208.11	-116.74 -8.15 240.18	-67.70 -15.56 162.91	-52.73 -63.66 247.90	-63.66 -8.04 165.98	-67.40 -6.52 150.71	-48.48 -14.26 226.22	-18.47 -11.88 158.23	97.39 -9.72 22.58	114.61 -7.80 -0.93
MORTIMER_115KV_TB3 55949	50.98 -3.87 20.82	89.42 -6.33 27.28	58.79 -3.50 1.50	107.14 -6.68 6.31	56.84 -3.25 2.02	15.63 -0.90 3.75	23.49 -1.40 4.62	44.39 -2.43 -1.71	32.16 -2.05 1.87	21.60 -1.86 6.85	43.09 -3.48 6.40	78.55 -5.83 2.77	156.55 -13.46 29.23	135.45 -9.95 2.32	123.30 -9.02 1.60	125.21 -9.54 -0.14	95.21 -6.77 1.38	205.07 -11.57 -5.91	121.57 -5.85 -17.07	99.77 -5.21 -15.15	180.97 -10.89 0.14	142.91 -8.73 0.00	122.91 -6.78 0.00	116.04 -5.93 -0.48
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.26 2.84 -1.31	28.59 1.14 -7.17	42.78 1.79 -11.48	111.72 3.04 -63.55	144.38 2.35 -105.95	85.39 1.90 -53.18	71.40 3.27 -15.15	99.33 5.16 -7.02	210.67 11.43 0.00	156.41 8.69 0.00	142.50 8.59 0.00	143.06 8.52 0.06	111.06 7.70 0.00	274.80 15.80 -48.27	271.17 8.50 -152.31	221.56 6.73 -125.01	205.31 13.31 0.00	161.99 10.36 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
MUNSVILLE_WIND_PWR 323609	136.11 2.17 -58.26	206.16 3.67 -79.46	70.08 1.92 -4.37	140.39 3.35 -16.91	70.66 2.24 -6.31	36.21 1.04 -14.90	51.25 1.59 -20.15	86.09 2.42 -38.55	116.50 1.82 -78.60	86.92 1.21 -55.40	82.89 1.26 -28.67	105.44 3.38 -14.91	294.59 12.90 -82.45	172.12 11.23 -13.17	156.55 11.01 -11.62	155.03 12.05 -8.38	121.31 8.54 -9.40	246.14 11.30 -24.12	173.41 6.24 -56.81	139.84 4.96 -45.05	209.65 9.19 -8.46	163.76 6.48 -5.65	135.40 4.90 -0.81	127.50 4.40 -1.61
N SALMON___HYD 24042	77.39 1.71 0.00	125.70 2.67 0.00	65.27 1.49 0.00	123.89 3.76 0.00	63.84 1.73 0.00	20.66 0.39 0.00	30.01 0.50 0.00	45.81 0.69 0.00	36.81 0.72 0.00	31.23 0.92 0.00	54.39 1.42 0.00	88.59 1.44 0.00	203.17 3.94 0.00	151.39 3.67 0.00	136.95 3.03 0.00	137.15 2.55 0.00	103.86 0.50 0.00	211.36 0.63 0.00	110.40 0.05 0.00	89.93 0.11 0.00	193.77 1.77 0.00	152.73 1.10 0.00	130.74 1.06 0.00	121.64 0.15 0.00
N.AKRON__115KV_KNAPP 355671	40.08 -5.89 29.70	74.55 -9.59 38.89	56.28 -5.37 2.14	101.35 -9.77 9.00	54.35 -4.87 2.88	13.55 -1.38 5.35	20.71 -2.20 6.60	37.53 -3.75 3.84	22.99 -3.23 9.86	13.99 -2.94 13.39	33.96 -5.51 13.50	63.65 -9.20 14.30	121.75 -21.41 56.08	102.46 -15.63 29.63	89.59 -14.25 30.09	85.39 -15.09 34.12	68.61 -10.92 23.83	163.59 -18.91 28.22	95.25 -9.67 5.43	75.22 -8.61 5.99	143.30 -17.54 31.16	116.14 -13.83 21.66	116.22 -10.37 3.10	112.70 -9.37 -0.57
N.BELMOR_69_KV_BK1 55787	92.45 5.49 -11.28	131.00 7.98 0.00	67.55 3.76 0.00	126.48 6.35 0.00	66.80 3.38 -1.31	31.92 1.38 -10.27	47.49 2.17 -15.80	112.25 3.60 -63.53	144.70 2.71 -105.91	85.69 2.22 -53.16	71.93 3.81 -15.15	99.91 5.74 -7.02	212.03 12.80 0.00	157.21 9.49 0.00	143.34 9.43 0.00	143.87 9.33 0.06	112.92 8.96 -0.59	276.73 17.75 -48.25	272.16 9.55 -152.25	222.16 7.38 -124.96	207.32 15.31 0.00	163.39 11.76 0.00	139.05 9.37 0.00	135.11 9.09 -4.52
N.E_GEN_SANDY PD 24062	113.07 4.09 -33.30	181.81 6.31 -52.48	141.30 3.07 -74.44	182.35 5.30 -56.92	149.12 2.77 -84.24	135.18 0.93 -113.98	82.71 1.51 -51.69	180.70 2.58 -132.99	346.38 1.96 -308.34	209.62 1.56 -177.74	98.54 2.74 -42.83	116.22 4.54 -24.53	209.45 10.21 -0.01	150.30 7.37 4.80	153.50 7.34 -12.25	146.21 6.97 -4.65	122.18 6.18 -12.64	303.07 13.07 -79.27	302.28 7.04 -184.88	236.51 5.57 -141.12	202.74 10.73 0.00	160.09 8.46 0.00	136.12 6.86 0.43	136.47 7.03 -7.95
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	79.71 4.03 0.00	128.73 5.70 0.00	66.47 2.68 0.00	124.58 4.45 0.00	65.75 2.39 -1.26	28.14 0.98 -6.89	42.10 1.57 -11.02	108.96 2.68 -61.16	139.87 2.04 -101.76	83.00 1.61 -51.08	70.29 2.77 -14.56	98.26 4.37 -6.74	208.84 9.60 0.00	154.98 7.25 0.00	141.15 7.23 0.00	141.72 7.17 0.06	109.96 6.60 0.00	270.98 13.71 -46.55	264.63 7.41 -146.87	216.20 5.83 -120.54	203.54 11.53 0.00	160.60 8.97 0.00	136.67 6.98 0.00	132.70 6.85 -4.36
N.QUEENS_27_KV_LOAD 356247	80.25 4.57 0.00	129.28 6.25 0.00	66.84 3.05 0.00	124.88 4.75 0.00	66.07 2.64 -1.31	28.57 1.12 -7.17	42.79 1.81 -11.48	111.79 3.12 -63.55	144.42 2.39 -105.95	85.44 1.95 -53.18	71.51 3.38 -15.15	99.34 5.17 -7.02	210.93 11.69 0.00	156.55 8.82 0.00	142.51 8.59 0.00	143.19 8.65 0.06	111.11 7.74 0.00	274.63 15.63 -48.27	271.18 8.51 -152.31	221.67 6.85 -125.00	205.41 13.40 0.00	162.18 10.55 0.00	137.93 8.24 0.00	134.15 8.14 -4.52
N.TROY___115KV_TB1 355778	79.77 4.09 0.00	129.58 6.55 0.00	67.05 3.26 0.00	125.89 5.77 0.00	77.32 2.97 -12.24	88.05 0.94 -66.83	137.94 1.50 -106.93	382.44 2.44 -334.87	1024.83 1.88 -986.87	527.19 1.53 -495.34	196.83 2.69 -141.17	156.96 4.45 -65.36	209.12 9.89 0.00	154.76 7.04 0.00	140.84 6.93 0.00	141.07 6.47 0.00	109.03 5.67 0.00	282.80 12.34 -59.74	325.39 6.59 -208.44	253.11 5.25 -158.03	202.29 10.28 0.00	159.74 8.11 0.00	136.34 6.66 0.00	138.42 6.81 -10.12
NARROWS_GT1_1 24228	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_2 24229	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_3 24230	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_4 24231	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52

NARROWS_GT1_5 24232	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_6 24233	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_7 24234	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT1_8 24235	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.83 9.10 -0.01	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_1 24236	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_2 24237	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_3 24238	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_4 24239	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_5 24240	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_6 24241	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_7 24242	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NARROWS_GT2_8 24243	80.67 5.00 0.00	129.96 6.94 0.00	67.20 3.41 0.00	125.60 5.47 0.00	69.36 2.96 -4.30	57.33 1.26 -35.80	59.00 1.94 -27.55	112.04 3.23 -63.69	144.71 2.44 -106.19	103.50 1.97 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.36 12.07 -0.06	156.82 9.10 0.00	142.95 9.04 0.00	143.57 9.03 0.06	110.99 7.63 0.00	274.08 15.08 -48.27	270.88 8.22 -152.31	221.42 6.60 -125.00	205.01 13.01 0.00	162.18 10.55 0.00	138.05 8.36 0.00	134.53 8.51 -4.52
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	80.61 4.94 0.00	131.21 8.18 0.00	67.89 4.10 0.00	127.51 7.39 0.00	71.98 3.87 -6.00	54.44 1.41 -32.77	83.61 1.67 -52.43	229.49 2.10 -182.27	522.88 1.88 -484.92	275.29 1.58 -243.40	124.53 2.19 -69.36	124.00 4.75 -32.10	207.03 7.80 0.00	154.44 6.71 0.00	139.20 5.28 0.00	140.10 5.54 0.05	109.15 5.79 0.00	279.49 12.67 -56.09	300.26 6.63 -183.27	241.36 5.24 -146.30	202.88 10.88 0.00	160.23 8.61 0.00	137.45 7.76 0.00	136.88 8.70 -6.69
NCHELSEA_115KV_TR2 355582	80.75 5.07 0.00	130.53 7.50 0.00	67.42 3.63 0.00	126.38 6.26 0.00	66.82 3.34 -1.38	29.04 1.25 -7.52	43.55 2.01 -12.03	113.62 3.39 -65.12	149.72 2.59 -111.05	88.05 1.99 -55.74	72.26 3.40 -15.88	100.11 5.60 -7.36	211.63 12.39 0.00	156.93 9.21 0.00	142.92 9.00 0.00	143.58 9.03 0.06	111.53 8.17 0.00	276.29 17.24 -48.33	272.23 9.30 -152.57	222.34 7.35 -125.16	206.70 14.70 0.00	163.03 11.39 0.00	138.73 9.04 0.00	134.76 8.72 -4.55
NEG CAPITAL___MECHNVIL 23645	80.99 5.31 0.00	131.60 8.58 0.00	68.07 4.28 0.00	127.87 7.75 0.00	79.95 4.02 -13.83	97.06 1.31 -75.48	152.40 2.13 -120.76	422.10 3.38 -373.59	1153.30 2.63 -1114.59	591.89 2.13 -559.45	216.08 3.68 -159.44	166.97 5.99 -73.83	212.42 13.19 0.00	157.06 9.34 0.00	143.15 9.23 0.00	143.56 8.96 0.00	111.08 7.71 0.00	288.08 16.86 -60.50	333.29 8.93 -214.00	257.48 7.14 -160.52	206.29 14.29 0.00	162.89 11.26 0.00	138.72 9.04 0.00	141.29 8.88 -10.91



NEG CENTRAL_HIGH_ACRES 23767	56.27 -4.35 15.07	96.22 -7.12 19.68	58.82 -3.89 1.08	108.10 -7.45 4.58	56.96 -3.68 1.47	16.51 -1.05 2.72	24.58 -1.58 3.35	44.69 -2.61 -2.18	32.58 -2.16 1.35	23.40 -1.95 4.96	44.74 -3.60 4.64	79.10 -6.05 2.01	164.15 -13.89 21.19	135.89 -10.14 1.69	123.46 -9.29 1.17	125.02 -9.78 -0.20	95.57 -6.79 1.00	204.11 -12.31 -5.70	120.73 -6.27 -16.64	99.03 -5.44 -14.64	180.60 -11.30 0.10	142.35 -9.27 0.00	122.23 -7.46 0.00	115.32 -6.63 -0.46
NEG CENTRAL___DRP 24199	50.26 -1.53 23.89	88.79 -2.77 31.47	60.47 -1.59 1.73	109.36 -3.57 7.19	58.18 -1.62 2.31	15.64 -0.36 4.28	23.73 -0.51 5.27	48.47 -0.86 -4.20	36.71 -0.70 -1.33	23.56 -0.68 6.07	46.42 -1.38 5.17	86.41 -2.56 -1.82	166.75 -6.08 26.41	153.33 -4.40 -10.02	141.97 -3.52 -11.56	146.60 -3.64 -15.64	110.09 -2.14 -8.86	230.69 -3.24 -23.21	140.97 -1.30 -31.91	116.36 -1.25 -27.78	203.16 -3.54 -14.69	158.78 -3.25 -10.41	128.50 -2.67 -1.49	120.24 -1.77 -0.51
NEG CENTRAL___INDECK 23768	20.47 -2.44 52.76	49.23 -4.36 69.43	57.34 -2.64 3.82	99.07 -5.15 15.90	54.57 -2.44 5.10	10.25 -0.57 9.45	17.00 -0.87 11.64	71.40 -1.37 -27.65	67.52 -1.11 -32.55	30.64 -1.10 -1.43	57.39 -2.34 -6.76	129.76 -4.17 -46.78	191.39 -8.90 -1.05	273.65 -5.03 -130.96	270.37 -4.12 -140.58	299.44 -4.02 -168.86	210.57 -2.12 -109.33	399.94 -1.97 -191.19	272.19 -1.01 -162.84	234.75 -1.10 -146.03	349.64 -2.39 -160.02	261.01 -3.00 -112.39	142.58 -3.14 -16.04	118.33 -3.84 -0.68
NEG CENTRAL___SENECA 23627	28.48 -1.85 45.35	59.88 -3.24 59.91	58.54 -1.96 3.29	102.05 -4.46 13.62	55.80 -1.94 4.36	11.74 -0.44 8.09	18.92 -0.61 9.98	48.06 -1.03 -3.96	36.72 -0.84 -1.48	17.46 -0.81 12.05	40.88 -1.63 10.45	86.00 -3.11 -1.97	139.63 -7.47 52.14	157.51 -5.41 -15.20	147.56 -4.27 -17.91	155.09 -4.42 -24.91	114.38 -2.66 -13.68	240.58 -4.15 -34.01	149.76 -1.73 -41.12	124.73 -1.55 -36.45	210.83 -4.59 -23.41	164.14 -4.11 -16.62	128.88 -3.18 -2.37	120.03 -2.03 -0.57
NEG CENTRAL___STATE_STREET 24147	88.51 -0.66 -13.49	139.69 -1.58 -18.25	64.06 -0.74 -1.00	122.45 -1.62 -3.95	62.61 -0.77 -1.27	22.49 -0.13 -2.35	32.14 -0.26 -2.89	50.21 -0.32 -5.41	36.95 -0.31 -1.18	34.29 -0.37 -4.34	56.31 -0.72 -4.06	87.61 -1.28 -1.75	214.84 -2.85 -18.46	147.15 -2.04 -1.47	133.43 -1.50 -1.02	133.09 -1.54 -0.03	103.59 -0.65 -0.87	216.36 -0.48 -6.12	130.11 0.03 -19.73	105.52 -0.15 -15.85	191.25 -0.85 -0.09	150.58 -1.05 0.00	128.66 -1.02 0.00	121.38 -0.61 -0.50
NEG MILLWOOD___DRP 24198	81.07 5.39 0.00	131.02 7.99 0.00	67.66 3.87 0.00	126.80 6.67 0.00	67.03 3.55 -1.36	29.06 1.35 -7.44	43.58 2.16 -11.91	113.81 3.61 -65.08	148.82 2.77 -109.97	87.68 2.18 -55.20	72.38 3.69 -15.73	100.45 6.01 -7.29	212.58 13.34 0.00	157.63 9.91 0.00	143.64 9.72 0.00	144.21 9.66 0.06	112.07 8.71 0.00	277.84 18.35 -48.77	274.20 9.93 -153.92	223.97 7.85 -126.29	207.79 15.78 0.00	163.82 12.19 0.00	139.37 9.69 0.00	135.37 9.29 -4.58
NEG NORTH_FLCN_SEA 23793	77.05 1.38 0.00	125.24 2.22 0.00	65.03 1.24 0.00	123.35 3.23 0.00	63.54 1.43 0.00	20.55 0.28 0.00	29.88 0.37 0.00	45.59 0.47 0.00	36.59 0.51 0.00	31.00 0.68 0.00	54.00 1.03 0.00	87.80 0.65 0.00	200.14 13.34 0.00	148.97 1.25 0.00	135.30 1.38 0.00	135.33 0.72 0.00	102.43 -0.94 0.00	207.89 -2.83 0.00	109.05 -1.30 0.00	88.77 -1.06 0.00	191.07 -0.93 0.00	150.90 -0.72 0.00	128.49 -1.20 0.00	119.35 -2.15 0.00
NEG NORTH_KES_CHATEGAY 23792	76.19 0.51 0.00	123.82 0.80 0.00	64.34 0.55 0.00	122.17 2.04 0.00	63.00 0.89 0.00	20.40 0.13 0.00	29.63 0.12 0.00	45.17 0.05 0.00	36.26 0.18 0.00	30.74 0.43 0.00	53.66 0.69 0.00	87.18 0.03 0.00	199.21 -0.02 0.00	148.75 1.02 0.00	134.66 0.75 0.00	134.97 0.37 0.00	102.20 -1.17 0.00	207.24 -3.48 0.00	108.24 -2.12 0.00	88.30 -1.53 0.00	190.41 -1.59 0.00	149.81 -1.82 0.00	127.99 -1.70 0.00	118.95 -2.54 0.00
NEG NORTH___ALICE_FALLS 23915	77.48 1.80 0.00	125.92 2.89 0.00	65.36 1.57 0.00	124.02 3.90 0.00	63.94 1.83 0.00	20.72 0.45 0.00	30.13 0.62 0.00	45.97 0.84 0.00	36.91 0.83 0.00	31.26 0.95 0.00	54.46 1.49 0.00	88.54 1.39 0.00	202.07 2.83 0.00	150.34 2.62 0.00	136.52 2.61 0.00	136.69 2.08 0.00	103.59 0.23 0.00	210.40 -0.32 0.00	110.24 -0.12 0.00	89.66 -0.17 0.00	193.00 1.00 0.00	152.29 0.67 0.00	129.78 0.09 0.00	120.56 -0.93 0.00
NEG NORTH___LWR_SARANAC 23913	77.48 1.80 0.00	125.92 2.89 0.00	65.36 1.57 0.00	124.02 3.90 0.00	63.94 1.83 0.00	20.72 0.45 0.00	30.13 0.62 0.00	45.97 0.84 0.00	36.91 0.83 0.00	31.26 0.95 0.00	54.46 1.49 0.00	88.54 1.39 0.00	202.07 2.83 0.00	150.34 2.62 0.00	136.52 2.61 0.00	136.69 2.08 0.00	103.59 0.23 0.00	210.40 -0.32 0.00	110.24 -0.12 0.00	89.66 -0.17 0.00	193.00 1.00 0.00	152.29 0.67 0.00	129.78 0.09 0.00	120.56 -0.93 0.00
NEG NORTH___PLATTSBURG 23628	77.48 1.80 0.00	125.92 2.89 0.00	65.35 1.56 0.00	124.02 3.89 0.00	63.94 1.84 0.00	20.73 0.45 0.00	30.13 0.62 0.00	45.97 0.84 0.00	36.91 0.83 0.00	31.27 0.95 0.00	54.46 1.49 0.00	88.54 1.39 0.00	202.06 2.83 0.00	150.34 2.62 0.00	136.52 2.60 0.00	136.68 2.08 0.00	103.59 0.23 0.00	210.40 -0.32 0.00	110.25 -0.10 0.00	89.66 -0.16 0.00	192.97 0.97 0.00	152.30 0.67 0.00	129.78 0.09 0.00	120.57 -0.92 0.00
NEG WEST_LEA_LOCKPORT 23791	36.50 -7.78 31.40	69.27 -12.64 41.11	54.58 -6.95 2.26	97.96 -12.65 9.51	52.74 -6.31 3.05	12.75 -1.87 5.65	19.56 -2.98 6.98	35.14 -5.03 4.96	20.34 -4.30 11.45	11.80 -3.84 14.68	31.00 -7.05 14.92	58.74 -11.79 16.61	110.72 -27.14 61.38	92.91 -19.70 35.11	79.99 -18.11 35.81	74.56 -19.07 40.98	60.97 -14.06 28.33	150.20 -25.44 35.08	87.07 -13.09 10.20	68.16 -11.36 10.31	131.32 -23.31 37.37	107.48 -18.15 26.00	112.10 -13.87 3.72	109.60 -12.48 -0.59
NEG WEST___LANCASTER 23811	30.10 -5.32 40.27	61.75 -8.60 52.68	55.85 -5.04 2.90	98.78 -9.14 12.21	53.55 -4.65 3.91	11.67 -1.35 7.25	18.44 -2.12 8.95	36.40 -3.58 5.15	20.73 -2.99 12.36	9.89 -2.74 17.68	30.26 -4.94 17.77	61.08 -8.09 17.98	107.45 -17.58 74.21	98.62 -12.52 36.59	85.45 -11.45 37.01	80.72 -12.15 41.73	65.26 -8.80 29.31	160.78 -15.52 34.42	95.07 -8.36 6.93	74.86 -7.50 7.47	139.91 -14.17 37.93	114.48 -10.79 26.36	117.80 -8.12 3.77	115.17 -7.02 -0.69
NEG_PENN_ALLEGHNY 23528	60.64 -0.92 14.11	106.92 -1.54 14.57	62.08 -0.91 0.80	112.87 -2.07 5.19	60.00 -1.02 1.08	20.10 -0.27 -0.10	30.45 -0.34 -1.28	67.14 -0.46 -22.47	81.18 -0.36 -45.45	47.84 -0.43 -17.95	53.55 -0.88 -1.46	86.84 -1.15 -0.83	172.15 -3.04 24.04	143.86 -1.95 1.92	131.42 -1.17 1.33	132.83 -1.30 0.48	101.61 -0.58 1.18	225.73 -0.49 -15.50	158.92 -0.20 -48.76	129.78 -0.20 -40.16	191.06 -0.83 0.12	150.77 -0.86 0.00	128.81 -0.88 0.00	122.64 -0.38 -1.52
NEG___GEN_MONROE 24207	50.86 -3.55 21.27	89.31 -5.85 27.86	58.94 -3.32 1.53	107.39 -6.29 6.44	57.02 -3.03 2.06	15.64 -0.81 3.83	23.52 -1.28 4.72	44.60 -2.22 -1.69	32.28 -1.90 1.91	21.57 -1.74 7.00	43.10 -3.34 6.53	78.73 -5.59 2.83	156.49 -12.89 29.85	135.71 -9.64 2.37	123.52 -8.77 1.63	125.48 -9.19 -0.07	95.51 -6.44 1.41	206.20 -10.49 -5.97	122.30 -5.27 -17.21	100.30 -4.81 -15.29	181.83 -10.02 0.15	143.59 -8.05 -0.01	123.53 -6.15 0.00	116.59 -5.39 -0.48

NEPA__ENERGY 23901	30.90 -6.63 38.14	62.45 -10.63 49.95	54.96 -6.09 2.75	97.07 -11.51 11.56	52.57 -5.83 3.71	11.76 -1.65 6.87	18.43 -2.60 8.47	33.16 -4.41 7.55	17.09 -3.70 15.29	8.50 -3.27 18.54	27.96 -5.97 19.04	55.02 -9.94 22.20	98.72 -23.06 77.46	82.51 -16.68 48.53	69.21 -15.16 49.55	62.72 -15.81 56.07	51.11 -11.62 40.63	140.47 -20.03 50.23	80.02 -10.35 19.99	61.77 -8.89 19.17	122.99 -17.67 51.34	102.34 -13.50 35.78	115.00 -9.58 5.11	114.14 -8.01 -0.65
NEVERSINK__HYD 23608	79.11 3.43 0.00	127.92 4.89 0.00	66.07 2.28 0.00	123.90 3.78 0.00	65.62 2.06 -1.45	29.05 0.84 -7.94	43.62 1.40 -12.71	111.59 2.43 -64.04	155.29 1.83 -117.38	90.47 1.25 -58.92	71.90 2.14 -16.79	98.47 3.55 -7.78	206.61 7.38 0.00	153.10 5.38 0.00	139.09 5.18 0.00	140.32 5.78 0.06	109.01 5.66 0.00	267.04 12.50 -43.81	255.80 6.85 -138.60	208.77 5.43 -113.51	202.70 10.69 0.00	159.86 8.23 0.00	135.99 6.31 0.00	132.27 6.60 -4.19
NEWKRMKL_115KV_TB1 55635	78.59 2.91 0.00	127.83 4.80 0.00	66.16 2.37 0.00	124.19 4.06 0.00	73.71 2.03 -9.57	73.16 0.65 -52.23	113.97 0.89 -83.56	316.68 1.46 -270.09	808.46 1.12 -771.26	418.38 0.94 -387.12	164.93 1.64 -110.32	141.05 2.93 -50.96	205.18 5.94 0.00	151.69 3.97 0.00	137.46 3.55 0.00	137.61 3.00 0.00	106.46 3.09 0.00	276.34 6.34 -59.27	313.66 3.44 -199.87	248.13 2.67 -155.63	197.07 5.06 0.00	155.84 4.21 0.00	133.73 4.04 0.00	134.99 5.03 -8.47
NEWTON__FALLS_HYD 23847	75.63 -0.05 0.00	123.05 0.02 0.00	63.82 0.03 0.00	120.37 0.25 0.00	61.86 -0.24 0.00	19.99 -0.29 0.00	29.18 -0.33 0.00	45.37 -0.54 -0.79	35.79 -0.30 0.00	30.37 0.06 0.00	53.07 0.10 0.00	86.69 -0.46 0.00	198.93 -0.30 0.00	146.94 -0.78 0.00	133.15 -0.76 0.00	132.97 -1.63 0.00	101.57 -1.79 0.00	209.45 -2.51 -1.23	112.53 -1.51 -3.68	92.43 -0.56 -3.16	192.42 0.42 0.00	152.45 0.82 0.00	130.06 0.38 0.00	121.44 -0.15 -0.10
NGRID_A1_DSASP 323792	35.35 -8.14 32.19	67.68 -13.22 42.12	53.99 -7.48 2.32	96.84 -13.53 9.75	52.11 -6.87 3.13	12.39 -2.08 5.80	19.09 -3.27 7.15	34.74 -5.41 4.98	19.75 -4.78 11.56	11.03 -4.31 14.97	29.85 -7.86 15.25	57.03 -13.33 16.80	105.93 -30.60 62.70	90.22 -22.06 35.45	77.16 -20.62 36.14	71.18 -21.66 41.76	59.06 -15.72 28.58	145.73 -29.80 35.19	85.00 -15.31 10.05	66.54 -13.10 10.18	127.90 -26.57 37.53	104.66 -20.83 26.14	110.55 -15.41 3.73	108.30 -13.79 -0.60
NGRID_A2_DSASP 323793	35.35 -8.14 32.19	67.68 -13.22 42.12	53.99 -7.48 2.32	96.84 -13.53 9.75	52.11 -6.87 3.13	12.39 -2.08 5.80	19.09 -3.27 7.15	34.74 -5.41 4.98	19.75 -4.78 11.56	11.03 -4.31 14.97	29.85 -7.86 15.25	57.03 -13.33 16.80	105.93 -30.60 62.70	90.22 -22.06 35.45	77.16 -20.62 36.14	71.18 -21.66 41.76	59.06 -15.72 28.58	145.73 -29.80 35.19	85.00 -15.31 10.05	66.54 -13.10 10.18	127.90 -26.57 37.53	104.66 -20.83 26.14	110.55 -15.41 3.73	108.30 -13.79 -0.60
NGRID_A4_DSASP 323807	35.35 -8.14 32.19	67.68 -13.22 42.12	53.99 -7.48 2.32	96.84 -13.53 9.75	52.11 -6.87 3.13	12.39 -2.08 5.80	19.09 -3.27 7.15	34.74 -5.41 4.98	19.75 -4.78 11.56	11.03 -4.31 14.97	29.85 -7.86 15.25	57.03 -13.33 16.80	105.93 -30.60 62.70	90.22 -22.06 35.45	77.16 -20.62 36.14	71.18 -21.66 41.76	59.06 -15.72 28.58	145.73 -29.80 35.19	85.00 -15.31 10.05	66.54 -13.10 10.18	127.90 -26.57 37.53	104.66 -20.83 26.14	110.55 -15.41 3.73	108.30 -13.79 -0.60
NIAGARA_115E_LBMP 323715	35.25 -7.99 32.44	67.53 -13.03 42.46	54.33 -7.13 2.34	97.01 -13.28 9.83	52.20 -6.75 3.15	12.39 -2.04 5.84	19.05 -3.25 7.21	34.84 -5.28 5.01	20.00 -4.49 11.60	11.20 -4.09 15.03	30.36 -7.42 15.19	57.88 -12.48 16.79	107.58 -28.86 62.79	91.95 -20.49 35.28	78.45 -19.52 35.95	72.50 -20.72 41.38	59.75 -15.08 28.53	147.75 -27.85 35.13	86.02 -14.45 9.89	67.42 -12.33 10.08	129.63 -24.76 37.62	105.97 -19.54 26.12	111.12 -14.82 3.74	108.70 -13.39 -0.60
NIAGARA_115W_LBMP 323714	35.37 -8.22 32.09	67.69 -13.34 42.00	53.90 -7.58 2.31	96.75 -13.65 9.73	52.04 -6.95 3.12	12.39 -2.11 5.78	19.07 -3.31 7.13	34.73 -5.47 4.93	19.75 -4.84 11.50	11.04 -4.36 14.91	29.83 -7.95 15.19	57.01 -13.43 16.71	105.90 -30.88 62.46	90.21 -22.27 35.24	77.18 -20.81 35.93	71.18 -21.88 41.54	59.07 -15.87 28.41	145.60 -30.18 34.94	85.01 -15.46 9.89	66.53 -13.26 10.04	127.82 -26.87 37.31	104.63 -21.01 25.99	110.43 -15.54 3.71	108.16 -13.93 -0.60
NIAGARA_230_LBMP 323716	36.62 -7.82 31.24	69.44 -12.70 40.88	54.61 -6.93 2.25	97.78 -12.88 9.47	52.62 -6.45 3.04	12.70 -1.95 5.63	19.46 -3.10 6.94	35.33 -5.22 4.57	20.66 -4.45 10.97	11.85 -4.04 14.42	30.96 -7.33 14.68	58.95 -12.23 15.97	110.78 -28.03 60.43	94.03 -20.13 33.56	80.69 -19.03 34.19	74.79 -20.10 39.72	61.79 -14.53 27.04	150.70 -27.15 32.88	87.64 -14.16 8.55	68.98 -12.02 8.82	132.50 -24.12 35.39	108.11 -18.86 24.66	111.86 -14.31 3.52	109.59 -12.49 -0.59
NIAGARA__115KV_198_GIBSON 55903	35.34 -8.26 32.09	67.69 -13.34 42.00	53.90 -7.58 2.31	96.74 -13.66 9.73	52.05 -6.94 3.12	12.41 -2.09 5.78	19.10 -3.28 7.13	34.66 -5.53 4.93	19.67 -4.92 11.50	11.08 -4.32 14.91	29.81 -7.97 15.19	56.96 -13.48 16.71	105.65 -31.13 62.46	89.78 -22.70 35.24	77.32 -20.67 35.93	71.53 -21.52 41.54	58.71 -16.24 28.41	145.81 -29.97 34.94	85.36 -15.11 9.89	66.61 -13.17 10.04	127.15 -27.55 37.31	104.42 -21.23 25.99	110.36 -15.62 3.71	108.19 -13.90 -0.60
NIAGARA____ 23760	36.17 -7.82 31.69	68.89 -12.70 41.43	54.58 -6.93 2.28	97.67 -12.88 9.58	52.59 -6.45 3.07	12.61 -1.95 5.71	19.40 -3.10 7.00	35.25 -5.22 4.65	20.52 -4.45 11.11	11.73 -4.04 14.54	30.83 -7.33 14.81	58.73 -12.23 16.18	110.15 -28.03 61.06	93.56 -20.13 34.03	80.20 -19.03 34.68	74.31 -20.10 40.20	61.36 -14.53 27.47	150.04 -27.15 33.53	87.29 -14.16 8.90	68.63 -12.02 9.18	131.86 -24.12 36.03	107.67 -18.86 25.09	111.82 -14.31 3.56	109.60 -12.49 -0.60
NINE_MILE_1 23575	72.78 -2.90 0.00	118.21 -4.81 0.00	61.29 -2.50 0.00	115.20 -4.92 0.00	59.61 -2.49 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.32 -1.77 -1.96	34.71 -1.38 0.00	29.13 -1.19 0.00	50.70 -2.27 0.00	83.37 -3.78 0.00	190.36 -8.88 0.00	141.22 -6.51 0.00	128.13 -5.79 0.00	128.69 -5.96 -0.05	99.10 -4.27 0.00	205.52 -8.17 -2.97	115.11 -4.13 -8.89	93.96 -3.48 -7.61	184.35 -7.65 0.00	145.47 -6.16 0.00	124.41 -5.28 0.00	116.94 -4.79 -0.24
NINE_MILE_2 23744	72.78 -2.90 0.00	118.21 -4.81 0.00	61.29 -2.50 0.00	115.20 -4.92 0.00	59.61 -2.49 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.31 -1.77 -1.96	34.71 -1.38 0.00	29.13 -1.18 0.00	50.71 -2.26 0.00	83.37 -3.78 0.00	190.39 -8.85 0.00	141.22 -6.51 0.00	128.14 -5.77 0.00	128.73 -5.92 -0.05	99.10 -4.27 0.00	205.51 -8.17 -2.96	115.09 -4.13 -8.87	93.95 -3.48 -7.60	184.38 -7.62 0.00	145.47 -6.16 0.00	124.41 -5.28 0.00	116.94 -4.79 -0.24
NM_CAPITAL__DRP 24208	78.72 3.04 0.00	128.04 5.01 0.00	66.26 2.47 0.00	124.39 4.27 0.00	73.45 2.12 -9.22	71.27 0.68 -50.32	110.96 0.94 -80.50	308.17 1.52 -261.53	780.27 1.16 -743.03	404.24 0.98 -372.95	160.98 1.73 -106.29	139.34 3.08 -49.11	205.54 6.30 0.00	152.04 4.31 0.00	137.82 3.90 0.00	138.00 3.40 0.00	106.70 3.34 0.00	276.73 6.91 -59.10	312.88 3.74 -198.78	247.86 2.94 -155.10	197.51 5.50 0.00	156.19 4.56 0.00	133.94 4.25 0.00	134.96 5.14 -8.33

NM_CENTRAL___DRP 24181	74.07 -1.61 0.00	120.32 -2.71 0.00	62.30 -1.49 0.00	117.09 -3.03 0.00	60.58 -1.52 0.00	19.89 -0.38 0.00	28.97 -0.54 0.00	47.04 -0.90 -2.82	35.41 -0.67 0.00	29.69 -0.62 0.00	51.70 -1.27 0.00	85.06 -2.09 0.00	194.25 -4.99 0.00	144.06 -3.66 0.00	130.88 -3.03 0.00	131.38 -3.22 0.00	101.30 -2.07 0.00	211.36 -3.63 -4.26	121.42 -1.68 -12.74	99.18 -1.56 -10.92	188.35 -3.65 0.00	148.57 -3.06 0.00	126.94 -2.74 0.00	119.44 -2.40 -0.35
NM_FRONTIER___DRP 24179	35.34 -8.26 32.09	67.69 -13.34 42.00	53.90 -7.58 2.31	96.74 -13.66 9.73	52.05 -6.94 3.12	12.41 -2.09 5.78	19.10 -3.28 7.13	34.66 -5.53 4.93	19.67 -4.92 11.50	11.08 -4.32 14.91	29.81 -7.97 15.19	56.96 -13.48 16.71	105.65 -31.13 62.46	89.78 -22.70 35.24	77.32 -20.67 35.93	71.53 -21.52 41.54	58.71 -16.24 28.41	145.81 -29.97 34.94	85.36 -15.11 9.89	66.61 -13.17 10.04	127.15 -27.55 37.31	104.42 -21.23 25.99	110.36 -15.62 3.71	108.19 -13.90 -0.60
NM_ST_REGIS___HYD 24053	76.48 0.80 0.00	124.36 1.34 0.00	64.54 0.75 0.00	122.43 2.30 0.00	62.99 0.89 0.00	20.25 -0.02 0.00	29.44 -0.07 0.00	44.98 -0.14 0.00	36.13 0.04 0.00	30.74 0.42 0.00	53.66 0.69 0.00	87.56 0.41 0.00	201.32 2.08 0.00	149.52 1.80 0.00	135.01 1.09 0.00	135.00 0.40 0.00	102.13 -1.24 0.00	208.06 -2.67 0.00	108.52 -1.84 0.00	88.56 -1.27 0.00	190.82 -1.19 0.00	151.01 -0.62 0.00	129.89 0.21 0.00	121.28 -0.22 0.00
NORTHPORT___1 23551	92.97 6.01 -11.28	131.74 8.71 0.00	67.91 4.12 0.00	127.21 7.09 0.00	67.08 3.65 -1.31	32.02 1.48 -10.27	47.56 2.24 -15.80	112.28 3.63 -63.53	144.68 2.69 -105.91	85.73 2.25 -53.16	72.23 4.11 -15.15	100.39 6.22 -7.02	212.93 13.70 0.00	157.50 9.78 0.00	143.49 9.57 0.00	143.93 9.39 0.06	113.25 9.30 -0.59	276.12 17.14 -48.25	272.34 9.73 -152.25	222.09 7.31 -124.96	207.59 15.58 0.00	163.07 11.44 0.00	139.08 9.40 0.00	135.48 9.47 -4.52
NORTHPORT___2 23552	92.97 6.01 -11.28	131.74 8.71 0.00	67.91 4.12 0.00	127.21 7.09 0.00	67.08 3.65 -1.31	32.02 1.48 -10.27	47.56 2.24 -15.80	112.28 3.63 -63.53	144.68 2.69 -105.91	85.73 2.25 -53.16	72.23 4.11 -15.15	100.39 6.22 -7.02	212.93 13.70 0.00	157.50 9.78 0.00	143.49 9.57 0.00	143.93 9.39 0.06	113.25 9.30 -0.59	276.12 17.14 -48.25	272.34 9.73 -152.25	222.09 7.31 -124.96	207.59 15.58 0.00	163.07 11.44 0.00	139.08 9.40 0.00	135.48 9.47 -4.52
NORTHPORT___3 23553	92.77 5.81 -11.28	131.56 8.53 0.00	67.85 4.05 0.00	126.97 6.85 0.00	66.95 3.53 -1.31	31.97 1.43 -10.27	47.54 2.22 -15.80	112.24 3.59 -63.53	144.64 2.64 -105.91	85.67 2.20 -53.16	72.05 3.93 -15.15	100.25 6.08 -7.02	212.81 13.57 0.00	157.34 9.62 0.00	143.54 9.62 0.00	143.91 9.36 0.06	113.18 9.23 -0.59	276.41 17.43 -48.25	272.32 9.72 -152.25	222.16 7.38 -124.96	207.53 15.53 0.00	163.20 11.57 0.00	139.03 9.35 0.00	135.39 9.38 -4.52
NORTHPORT___4 23650	92.77 5.81 -11.28	131.56 8.53 0.00	67.85 4.05 0.00	126.97 6.85 0.00	66.95 3.53 -1.31	31.97 1.43 -10.27	47.54 2.22 -15.80	112.24 3.59 -63.53	144.64 2.64 -105.91	85.67 2.20 -53.16	72.05 3.93 -15.15	100.25 6.08 -7.02	212.81 13.57 0.00	157.34 9.62 0.00	143.54 9.62 0.00	143.91 9.36 0.06	113.18 9.23 -0.59	276.41 17.43 -48.25	272.32 9.72 -152.25	222.16 7.38 -124.96	207.53 15.53 0.00	163.20 11.57 0.00	139.03 9.35 0.00	135.39 9.38 -4.52
NORTHPORT___IC 23718	92.92 5.96 -11.28	131.72 8.69 0.00	67.91 4.11 0.00	127.22 7.09 0.00	67.08 3.66 -1.31	32.01 1.48 -10.27	47.55 2.23 -15.80	112.29 3.64 -63.53	144.67 2.68 -105.91	85.73 2.26 -53.16	72.22 4.10 -15.15	100.39 6.22 -7.02	212.84 13.60 0.00	157.61 9.89 0.00	143.42 9.50 0.00	143.83 9.29 0.06	113.28 9.32 -0.59	276.10 17.13 -48.25	272.33 9.73 -152.25	222.08 7.30 -124.96	207.70 15.69 0.00	163.13 11.51 0.00	139.09 9.41 0.00	135.48 9.47 -4.52
NORTH___COUNTRY_ESR 323785	75.86 0.18 0.00	123.36 0.33 0.00	64.11 0.32 0.00	121.74 1.62 0.00	62.80 0.69 0.00	20.34 0.07 0.00	29.51 0.00 0.00	44.98 -0.14 0.00	36.10 0.02 0.00	30.61 0.30 0.00	53.49 0.52 0.00	86.90 -0.25 0.00	198.75 -0.48 0.00	148.22 0.50 0.00	134.21 0.30 0.00	134.49 -0.12 0.00	101.70 -1.66 0.00	206.19 -4.53 0.00	107.75 -2.60 0.00	87.87 -1.95 0.00	189.43 -2.58 0.00	149.20 -2.43 0.00	127.47 -2.22 0.00	118.47 -3.02 0.00
NPX_GEN_1385_PROXY 323591	94.63 7.66 -11.28	134.90 11.88 0.00	69.45 5.66 0.00	133.21 10.45 -2.65	168.80 5.40 -101.30	293.93 2.03 -271.62	48.07 2.76 -15.80	113.45 4.80 -63.53	161.30 3.68 -121.53	86.55 3.07 -53.16	73.35 5.23 -15.15	102.57 8.40 -7.02	224.27 19.22 -5.82	166.38 13.42 -5.23	143.68 9.76 0.00	142.68 8.13 0.06	113.51 9.55 -0.59	275.59 16.61 -48.25	273.96 11.35 -152.25	222.38 7.60 -124.96	210.31 18.31 0.00	163.21 11.58 0.00	139.84 10.16 0.00	136.78 10.76 -4.52
NPX_GEN_CSC 323557	93.65 6.69 -11.28	133.00 9.98 0.00	68.37 4.58 0.00	127.96 7.83 0.00	66.99 3.57 -1.31	32.08 1.54 -10.27	47.77 2.45 -15.80	112.97 4.32 -63.53	145.11 3.12 -105.91	85.85 2.38 -53.16	72.47 4.35 -15.15	100.47 6.31 -7.02	212.46 13.23 0.00	162.46 9.51 -5.23	144.80 10.88 0.00	145.64 11.10 0.06	114.63 10.68 -0.59	279.97 20.99 -48.25	274.51 11.91 -152.25	223.85 9.07 -124.96	210.79 18.78 0.00	165.61 13.98 0.00	140.91 11.23 0.00	137.02 11.01 -4.52
NSINS_S___GLNS_FALLS 23858	82.44 6.76 0.00	134.02 10.99 0.00	69.33 5.54 0.00	130.28 10.15 0.00	81.95 5.25 -14.59	101.65 1.73 -79.65	159.88 2.93 -127.44	441.95 4.53 -392.30	1215.79 3.54 -1176.17	623.56 2.89 -590.36	226.20 4.99 -168.25	172.88 7.82 -77.92	216.10 16.86 0.00	159.46 11.74 0.00	145.51 11.60 0.00	146.02 11.41 0.00	113.26 9.89 0.00	293.42 21.78 -60.93	338.73 11.53 -216.84	260.94 9.25 -161.87	210.50 18.50 0.00	166.52 14.89 0.00	141.46 11.78 0.00	144.31 11.52 -11.30
NUCOR_STEEL___DRP 24197	90.35 -0.67 -15.34	142.11 -1.60 -20.68	64.21 -0.72 -1.14	123.08 -1.56 -4.51	62.79 -0.77 -1.45	22.82 -0.13 -2.68	32.54 -0.27 -3.31	50.23 -0.34 -5.44	37.08 -0.36 -1.35	34.87 -0.40 -4.96	56.82 -0.78 -4.63	87.88 -1.27 -2.00	217.43 -2.87 -21.07	147.36 -2.04 -1.68	133.48 -1.60 -1.16	133.07 -1.57 -0.04	103.67 -0.69 -1.00	215.98 -0.60 -5.86	128.25 -0.08 -17.97	104.59 -0.25 -15.02	191.09 -1.02 -0.10	150.49 -1.14 0.00	128.63 -1.06 0.00	121.32 -0.65 -0.48
NUMBER_THREE_WT_PWR 323818	75.15 -0.53 0.00	122.38 -0.65 0.00	63.54 -0.25 0.00	119.18 -0.95 0.00	61.16 -0.95 0.00	19.94 -0.33 0.00	29.21 -0.30 0.00	45.66 -0.51 -1.05	35.78 -0.31 0.00	30.21 -0.10 0.00	52.93 -0.04 0.00	86.45 -0.70 0.00	198.07 -1.16 0.00	145.61 -2.11 0.00	132.56 -1.35 0.00	132.27 -2.33 0.00	102.04 -1.33 0.00	211.55 -0.84 -1.67	115.03 -0.32 -4.99	94.98 0.88 -4.27	195.69 3.69 0.00	155.23 3.61 0.00	131.01 1.32 0.00	121.71 0.08 -0.14
NYISO_LBMP_REFERENCE 24008	75.68 0.00 0.00	123.03 0.00 0.00	63.79 0.00 0.00	120.12 0.00 0.00	62.11 0.00 0.00	20.27 0.00 0.00	29.51 0.00 0.00	45.13 0.00 0.00	36.08 0.00 0.00	30.31 0.00 0.00	52.97 0.00 0.00	87.15 0.00 0.00	199.24 0.00 0.00	147.72 0.00 0.00	133.92 0.00 0.00	134.60 0.00 0.00	103.36 0.00 0.00	210.72 0.00 0.00	110.36 0.00 0.00	89.83 0.00 0.00	192.00 0.00 0.00	151.63 0.00 0.00	129.69 0.00 0.00	121.49 0.00 0.00

NYPA_BRENTWD____GT 24164	93.75	132.95	68.51	128.27	67.61	32.22	47.90	112.83	145.04	86.09	72.75	101.11	214.79	158.51	144.56	145.20	114.58	279.22	273.71	223.30	210.39	165.34	140.84	136.98
	6.79	9.92	4.71	8.15	4.19	1.68	2.58	4.18	3.05	2.62	4.63	6.94	15.55	10.78	10.65	10.65	10.63	20.24	11.11	8.52	18.39	13.72	11.15	10.97
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
NYPA_GOWANUS____GT5 24156	80.67	129.96	67.20	125.60	69.36	57.33	59.00	112.04	144.71	103.50	83.73	99.53	211.36	156.83	142.95	143.57	110.99	274.08	270.88	221.42	205.01	162.18	138.05	134.53
	5.00	6.94	3.41	5.47	2.96	1.26	1.94	3.23	2.44	1.97	3.42	5.35	12.07	9.10	9.04	9.03	7.63	15.08	8.22	6.60	13.01	10.55	8.36	8.51
	0.00	0.00	0.00	0.00	-4.30	-35.80	-27.55	-63.69	-106.19	-71.21	-27.34	-7.03	-0.06	-0.01	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_GOWANUS____GT6 24157	80.67	129.96	67.20	125.60	69.36	57.33	59.00	112.04	144.71	103.50	83.73	99.53	211.36	156.83	142.95	143.57	110.99	274.08	270.88	221.42	205.01	162.18	138.05	134.53
	5.00	6.94	3.41	5.47	2.96	1.26	1.94	3.23	2.44	1.97	3.42	5.35	12.07	9.10	9.04	9.03	7.63	15.08	8.22	6.60	13.01	10.55	8.36	8.51
	0.00	0.00	0.00	0.00	-4.30	-35.80	-27.55	-63.69	-106.19	-71.21	-27.34	-7.03	-0.06	-0.01	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_HARLEM__RVR__GT1 24160	80.23	129.24	66.79	124.81	66.04	28.56	42.75	111.70	144.34	85.37	71.39	99.14	210.55	156.18	142.27	142.96	110.83	274.22	270.95	221.47	204.91	161.80	137.64	133.88
	4.55	6.22	3.00	4.69	2.62	1.12	1.76	3.03	2.32	1.88	3.27	4.97	11.31	8.46	8.36	8.42	7.47	15.22	8.28	6.64	12.90	10.17	7.96	7.87
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_HARLEM__RVR__GT2 24161	80.23	129.24	66.79	124.81	66.04	28.56	42.75	111.70	144.34	85.37	71.39	99.14	210.55	156.18	142.27	142.96	110.83	274.22	270.95	221.47	204.91	161.80	137.64	133.88
	4.55	6.22	3.00	4.69	2.62	1.12	1.76	3.03	2.32	1.88	3.27	4.97	11.31	8.46	8.36	8.42	7.47	15.22	8.28	6.64	12.90	10.17	7.96	7.87
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_KENT____GT 24152	80.57	129.84	67.09	125.43	68.09	45.93	52.57	111.92	144.59	96.32	78.85	99.46	211.28	156.79	142.86	143.50	111.03	274.48	271.06	221.52	205.15	162.13	137.93	134.30
	4.89	6.82	3.30	5.31	2.87	1.21	1.88	3.16	2.42	1.95	3.37	5.28	12.01	9.06	8.95	8.96	7.67	15.48	8.40	6.70	13.15	10.50	8.24	8.29
	0.00	0.00	0.00	0.00	-3.11	-24.45	-21.18	-63.63	-106.09	-64.06	-22.51	-7.03	-0.04	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_POUCH1____GT 24155	80.37	129.42	66.99	125.12	62.45	57.28	58.89	101.54	106.89	81.61	58.41	56.37	151.85	135.78	102.97	108.39	77.27	261.02	270.37	221.09	204.47	161.80	137.70	134.31
	4.70	6.39	3.20	4.99	2.65	1.20	1.83	3.01	2.25	1.82	3.16	4.88	11.06	8.35	8.33	8.35	7.10	14.04	7.71	6.26	12.46	10.17	8.02	8.30
	0.00	0.00	0.00	0.00	2.30	-35.80	-27.55	-53.41	-68.55	-49.47	-2.29	35.66	58.45	20.29	39.27	34.56	33.19	-36.25	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_VERNON____GT2 24162	80.55	129.85	67.04	125.40	66.89	34.55	46.16	111.85	144.50	89.19	74.04	99.46	211.32	156.85	142.93	143.56	111.22	275.09	271.38	221.71	205.47	162.19	137.97	134.17
	4.87	6.83	3.25	5.28	2.85	1.18	1.85	3.15	2.42	1.97	3.40	5.29	12.07	9.12	9.01	9.01	7.86	16.10	8.72	6.88	13.47	10.56	8.28	8.16
	0.00	0.00	0.00	0.00	-1.93	-13.09	-14.80	-63.58	-105.99	-56.91	-17.67	-7.02	-0.01	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA_VERNON____GT3 24163	80.55	129.85	67.04	125.40	66.89	34.55	46.16	111.85	144.50	89.19	74.04	99.46	211.32	156.85	142.93	143.56	111.22	275.09	271.38	221.71	205.47	162.19	137.97	134.17
	4.87	6.83	3.25	5.28	2.85	1.18	1.85	3.15	2.42	1.97	3.40	5.29	12.07	9.12	9.01	9.01	7.86	16.10	8.72	6.88	13.47	10.56	8.28	8.16
	0.00	0.00	0.00	0.00	-1.93	-13.09	-14.80	-63.58	-105.99	-56.91	-17.67	-7.02	-0.01	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA__ASTORIA_CC1 323568	80.43	129.65	66.94	125.18	66.15	28.59	42.78	111.73	144.39	85.41	71.42	99.32	210.98	156.61	142.72	143.33	111.01	274.84	271.21	221.59	205.13	161.96	137.72	133.97
	4.75	6.62	3.15	5.05	2.73	1.14	1.79	3.06	2.36	1.92	3.30	5.15	11.74	8.88	8.81	8.79	7.65	15.85	8.54	6.76	13.13	10.33	8.04	7.96
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA__ASTORIA_CC2 323569	80.43	129.65	66.94	125.18	66.15	28.59	42.78	111.73	144.39	85.41	71.42	99.32	210.98	156.61	142.72	143.33	111.01	274.84	271.21	221.59	205.13	161.96	137.72	133.97
	4.75	6.62	3.15	5.05	2.73	1.14	1.79	3.06	2.36	1.92	3.30	5.15	11.74	8.88	8.81	8.79	7.65	15.85	8.54	6.76	13.13	10.33	8.04	7.96
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA__HOLTSVILL 23794	93.27	132.26	68.12	127.53	67.14	32.08	47.71	112.63	144.91	85.86	72.37	100.49	213.30	157.83	144.26	144.90	114.02	278.27	273.45	223.06	209.56	164.69	140.20	136.32
	6.31	9.24	4.33	7.41	3.72	1.54	2.39	3.98	2.91	2.39	4.25	6.32	14.07	10.11	10.35	10.36	10.06	19.29	10.84	8.28	17.56	13.06	10.52	10.31
	-11.28	0.00	0.00	0.00	-1.31	-10.27	-15.80	-63.53	-105.91	-53.16	-15.15	-7.02	0.00	0.00	0.00	0.06	-0.59	-48.25	-152.25	-124.96	0.00	0.00	0.00	-4.52
NYPA__HELLGATE_GT1 24158	80.23	129.24	66.79	124.81	66.04	28.56	42.75	111.70	144.34	85.37	71.39	99.14	210.55	156.18	142.27	142.96	110.83	274.22	270.95	221.47	204.91	161.80	137.64	133.88
	4.55	6.22	3.00	4.69	2.62	1.12	1.76	3.03	2.32	1.88	3.27	4.97	11.31	8.46	8.36	8.42	7.47	15.22	8.28	6.64	12.90	10.17	7.96	7.87
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYPA__HELLGATE_GT2 24159	80.23	129.24	66.79	124.81	66.04	28.56	42.75	111.70	144.34	85.37	71.39	99.14	210.55	156.18	142.27	142.96	110.83	274.22	270.95	221.47	204.91	161.80	137.64	133.88
	4.55	6.22	3.00	4.69	2.62	1.12	1.76	3.03	2.32	1.88	3.27	4.97	11.31	8.46	8.36	8.42	7.47	15.22	8.28	6.64	12.90	10.17	7.96	7.87
	0.00	0.00	0.00	0.00	-1.31	-7.17	-11.48	-63.55	-105.95	-53.18	-15.15	-7.02	0.00	0.00	0.00	0.06	0.00	-48.27	-152.31	-125.00	0.00	0.00	0.00	-4.52
NYS_BARGE__HYD 23848	37.44	70.59	54.95	98.66	53.03	12.90	19.76	35.92	21.27	12.42	31.88	60.22	113.80	96.46	83.06	77.97	63.57	154.08	89.59	70.56	135.48	110.19	113.02	110.11
	-7.35	-12.01	-6.62	-12.11	-6.08	-1.81	-2.89	-4.73	-4.04	-3.70	-6.72	-11.29	-26.06	-18.53	-17.53	-18.60	-13.40	-24.57	-12.74	-10.92	-21.84	-17.33	-13.22	-11.97
	30.88	40.43	2.23	9.36	3.00	5.56	6.86	4.48	10.78	14.19	14.36	15.63	59.38	32.74	33.33	38.04	26.39	32.07	8.03	8.35	34.68	24.11	3.45	-0.58

OAK ORCHARD___HYD 24046	51.01 -3.84 20.82	89.40 -6.34 27.28	58.79 -3.50 1.50	107.14 -6.68 6.31	56.84 -3.24 2.02	15.62 -0.91 3.75	23.48 -1.41 4.62	44.43 -2.40 -1.71	32.21 -2.00 1.87	21.60 -1.86 6.85	43.12 -3.45 6.40	78.60 -5.78 2.77	156.67 -13.34 29.23	135.75 -9.65 2.32	123.29 -9.03 1.60	125.10 -9.65 -0.14	95.35 -6.64 1.38	205.00 -11.64 -5.91	121.47 -5.96 -17.07	99.76 -5.21 -15.15	181.31 -10.55 0.14	143.01 -8.62 0.00	122.94 -6.75 0.00	116.04 -5.94 -0.48
OAKDALE___35_KV_LOAD 356122	55.28 -1.13 19.27	102.12 -1.93 18.98	61.63 -1.11 1.05	110.40 -2.43 7.30	59.16 -1.22 1.73	18.91 -0.33 1.03	29.01 -0.44 0.06	66.72 -0.63 -22.22	82.27 -0.49 -46.68	46.35 -0.54 -16.57	51.48 -1.06 0.43	85.70 -1.47 -0.03	161.67 -3.74 33.83	142.61 -2.41 2.70	130.33 -1.72 1.86	132.17 -1.92 0.52	100.69 -1.03 1.64	224.61 -1.52 -15.40	157.91 -0.74 -48.30	129.08 -0.64 -39.90	190.16 -1.68 0.17	150.14 -1.48 0.00	128.29 -1.40 0.00	122.11 -0.91 -1.53
OCC_CHEM___DRP 24175	35.30 -8.20 32.19	67.68 -13.22 42.12	53.99 -7.49 2.32	96.83 -13.53 9.75	52.11 -6.87 3.13	12.41 -2.06 5.80	19.12 -3.24 7.15	34.66 -5.48 4.98	19.66 -4.87 11.56	11.07 -4.27 14.97	29.84 -7.87 15.25	57.00 -13.35 16.80	105.68 -30.85 62.70	89.81 -22.47 35.45	77.27 -20.50 36.14	71.48 -21.35 41.76	58.70 -16.08 28.58	145.85 -29.68 35.19	85.35 -14.95 10.05	66.60 -13.04 10.18	127.24 -27.23 37.53	104.46 -21.02 26.14	110.48 -15.48 3.73	108.33 -13.77 -0.60
OH_GEN_PROXY 24063	36.85 -7.71 31.12	69.82 -12.50 40.71	54.74 -6.81 2.24	97.98 -12.70 9.44	52.73 -6.35 3.03	12.74 -1.93 5.61	19.54 -3.05 6.92	36.08 -5.10 3.94	21.59 -4.33 10.16	12.39 -3.94 13.98	31.69 -7.13 14.15	60.48 -11.88 14.79	113.41 -27.18 58.65	102.80 -19.57 25.36	84.42 -18.44 31.06	79.01 -19.49 36.11	64.66 -14.11 24.60	155.54 -26.29 28.89	91.14 -13.77 5.45	72.11 -11.68 6.04	136.72 -23.35 31.93	111.11 -18.28 22.24	112.57 -13.95 3.17	109.86 -12.22 -0.59
OLIN_CORP_DRP 24177	34.87 -7.97 32.84	67.11 -12.92 42.99	54.36 -7.07 2.36	97.04 -13.13 9.95	52.23 -6.69 3.19	12.37 -1.99 5.92	19.06 -3.16 7.30	34.69 -5.30 5.13	19.74 -4.55 11.79	11.01 -4.05 15.25	30.06 -7.47 15.44	57.53 -12.54 17.08	106.60 -28.91 63.73	90.81 -20.97 35.94	77.83 -19.45 36.63	71.88 -20.56 42.17	59.15 -15.16 29.05	147.38 -27.48 35.86	85.78 -14.23 10.34	67.04 -12.30 10.48	128.55 -25.15 38.30	105.45 -19.57 26.60	111.12 -14.75 3.81	108.92 -13.18 -0.60
OLIN_CORP_DSASP 323712	35.35 -8.14 32.19	67.68 -13.22 42.12	53.99 -7.48 2.32	96.84 -13.53 9.75	52.11 -6.87 3.13	12.39 -2.08 5.80	19.09 -3.27 7.15	34.74 -5.41 4.98	19.75 -4.78 11.56	11.03 -4.31 14.97	29.85 -7.86 15.25	57.03 -13.33 16.80	105.93 -30.60 62.70	90.22 -22.06 35.45	77.16 -20.62 36.14	71.18 -21.66 41.76	59.06 -15.72 28.58	145.73 -29.80 35.19	85.00 -15.31 10.05	66.54 -13.10 10.18	127.90 -26.57 37.53	104.66 -20.83 26.14	110.55 -15.41 3.73	108.30 -13.79 -0.60
ONEIDA_HERK_LFGE 323681	76.84 1.16 0.00	125.01 1.99 0.00	64.83 1.04 0.00	121.79 1.67 0.00	62.80 0.70 0.00	20.53 0.26 0.00	30.03 0.51 0.00	46.75 0.74 -0.88	36.72 0.63 0.00	30.90 0.59 0.00	54.06 1.09 0.00	88.79 1.64 0.00	202.89 3.66 0.00	149.87 2.15 0.00	136.31 2.39 0.00	136.50 1.90 0.00	105.25 1.89 0.00	217.06 4.90 -1.43	117.32 2.67 -4.29	96.08 2.57 -3.68	198.14 6.14 0.00	156.58 4.95 0.00	132.98 3.29 0.00	124.13 2.52 -0.12
ONEIDA___115KV_TB4 55905	77.28 1.60 0.00	125.74 2.71 0.00	65.19 1.40 0.00	122.65 2.52 0.00	63.39 1.28 0.00	20.79 0.52 0.00	30.38 0.87 0.00	48.46 1.47 -1.87	38.09 1.39 -0.62	33.65 1.07 -2.27	56.91 1.82 -2.12	90.03 2.88 0.00	205.48 6.24 0.00	152.11 4.38 0.00	138.44 4.52 0.00	138.40 3.80 0.00	106.75 3.39 0.00	220.51 7.04 -2.75	122.33 3.74 -8.22	99.98 3.11 -7.05	198.40 6.39 0.00	156.41 4.79 0.00	133.31 3.63 0.00	124.87 3.15 -0.22
ONONDAGA_REF_OCCRA 23987	85.48 -1.05 -10.84	135.75 -1.79 -14.51	63.55 -1.04 -0.80	121.14 -2.19 -3.21	62.05 -1.09 -1.03	21.94 -0.24 -1.91	31.54 -0.32 -2.35	49.16 -0.57 -4.60	36.65 -0.40 -0.97	33.49 -0.39 -3.56	55.42 -0.88 -3.33	87.14 -1.44 -1.43	210.87 -3.45 -15.08	146.45 -2.48 -1.20	132.81 -1.94 -0.83	132.57 -2.06 -0.03	102.91 -1.17 -0.71	214.25 -1.74 -5.27	125.73 -0.71 -16.09	102.60 -0.74 -13.51	190.14 -1.93 -0.07	149.87 -1.76 0.00	128.06 -1.63 0.00	120.58 -1.35 -0.43
ONONDAGA___COGEN 23986	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
ONTARIO___LFGE 23819	28.42 -1.91 45.35	59.81 -3.31 59.91	58.53 -1.96 3.29	102.05 -4.46 13.62	55.78 -1.96 4.36	11.73 -0.45 8.09	18.91 -0.63 9.98	48.04 -1.05 -3.96	36.71 -0.85 -1.48	17.44 -0.82 12.05	40.87 -1.64 10.45	85.99 -3.13 -1.97	139.42 -7.68 52.14	157.41 -5.51 -15.20	147.51 -4.32 -17.91	155.06 -4.45 -24.91	114.38 -2.67 -13.68	240.53 -4.21 -34.01	149.76 -1.72 -41.12	124.72 -1.57 -36.45	210.90 -4.52 -23.41	164.14 -4.11 -16.62	128.89 -3.16 -2.37	120.03 -2.03 -0.57
ORANGEVILLE_WT_PWR 323706	19.12 -7.40 49.15	46.37 -12.18 64.47	53.49 -6.76 3.54	92.47 -12.79 14.86	50.95 -6.39 4.76	9.52 -1.92 8.83	15.63 -2.98 10.91	14.17 -4.74 26.22	-8.37 -3.86 40.59	-7.55 -3.48 34.38	9.28 -6.31 37.39	17.81 -10.59 58.75	32.99 -24.51 141.74	-7.14 -16.48 138.38	-24.28 -13.96 144.24	-46.01 -14.22 166.39	-19.89 -10.23 113.03	22.10 -19.89 168.74	-7.65 -10.28 107.73	-16.72 -8.33 98.22	18.19 -17.72 156.09	28.12 -14.37 109.13	102.91 -11.20 15.58	113.11 -9.10 -0.72
ORANGEVILLE___ESR 323794	19.12 -7.40 49.15	46.37 -12.18 64.47	53.49 -6.76 3.54	92.47 -12.79 14.86	50.95 -6.39 4.76	9.52 -1.92 8.83	15.63 -2.98 10.91	14.17 -4.74 26.22	-8.37 -3.86 40.59	-7.55 -3.48 34.38	9.28 -6.31 37.39	17.81 -10.59 58.75	32.99 -24.51 141.74	-7.14 -16.48 138.38	-24.28 -13.96 144.24	-46.01 -14.22 166.39	-19.89 -10.23 113.03	22.10 -19.89 168.74	-7.65 -10.28 107.73	-16.72 -8.33 98.22	18.19 -17.72 156.09	28.12 -14.37 109.13	102.91 -11.20 15.58	113.11 -9.10 -0.72
OSWEGATCHIE___HYD 24044	75.63 -0.05 0.00	123.05 0.02 0.00	63.82 0.03 0.00	120.37 0.25 0.00	61.87 -0.23 0.00	19.99 -0.29 0.00	29.18 -0.33 0.00	45.37 -0.54 -0.79	35.79 -0.30 0.00	30.37 0.06 0.00	53.07 0.11 0.00	86.69 -0.46 0.00	198.93 -0.30 0.00	146.95 -0.78 0.00	133.15 -0.76 0.00	132.96 -1.64 0.00	101.57 -1.80 0.00	209.45 -2.51 -1.23	112.56 -1.48 -3.68	92.44 -0.55 -3.16	192.42 0.42 0.00	152.45 0.82 0.00	130.07 0.38 0.00	121.44 -0.15 -0.10
OSWEGO___5 23606	73.26 -2.41 0.00	118.98 -4.05 0.00	61.68 -2.11 0.00	116.00 -4.13 0.00	60.01 -2.10 0.00	19.67 -0.60 0.00	28.64 -0.87 0.00	45.94 -1.46 -2.27	34.95 -1.13 0.00	29.33 -0.98 0.00	51.06 -1.91 0.00	83.98 -3.17 0.00	191.75 -7.48 0.00	142.25 -5.48 0.00	129.13 -4.79 0.00	129.63 -4.97 0.00	99.86 -3.50 0.00	207.52 -6.64 -3.44	117.33 -3.31 -10.28	95.86 -2.77 -8.81	185.81 -6.19 0.00	146.64 -4.99 0.00	125.36 -4.33 0.00	117.89 -3.88 -0.28

OSWEGO___6 23613	73.26 -2.41 0.00	118.98 -4.05 0.00	61.68 -2.11 0.00	116.00 -4.13 0.00	60.01 -2.10 0.00	19.67 -0.60 0.00	28.64 -0.87 0.00	45.94 -1.46 -2.27	34.95 -1.13 0.00	29.33 -0.98 0.00	51.06 -1.91 0.00	83.98 -3.17 0.00	191.75 -7.48 0.00	142.25 -5.48 0.00	129.13 -4.79 0.00	129.63 -4.97 0.00	99.86 -3.50 0.00	207.52 -6.64 -3.44	117.33 -3.31 -10.28	95.86 -2.77 -8.81	185.81 -6.19 0.00	146.64 -4.99 0.00	125.36 -4.33 0.00	117.89 -3.88 -0.28
OUTOKUMPU-AB___DRP 24206	35.34 -6.92 33.42	68.02 -11.26 43.75	55.02 -6.36 2.41	98.46 -11.54 10.13	53.01 -5.85 3.25	12.54 -1.71 6.02	19.39 -2.70 7.43	35.05 -4.59 5.49	19.79 -4.00 12.29	11.06 -3.57 15.68	30.42 -6.57 15.98	58.25 -11.05 17.85	108.11 -25.51 65.62	91.42 -18.48 37.83	78.56 -16.76 38.60	72.68 -17.63 44.30	59.77 -13.07 30.51	149.08 -23.55 38.10	86.37 -12.06 11.93	67.39 -10.55 11.89	129.91 -21.85 40.24	106.58 -17.04 28.01	113.06 -12.62 4.00	110.92 -11.18 -0.61
OXBOW___BTM 323836	35.51 -7.36 32.81	68.06 -12.03 42.95	54.63 -6.80 2.36	97.86 -12.32 9.95	52.67 -6.25 3.19	12.50 -1.86 5.91	19.28 -2.94 7.29	35.02 -4.87 5.23	19.89 -4.26 11.93	11.09 -3.88 15.33	30.26 -7.08 15.62	57.86 -11.95 17.33	107.37 -27.69 64.18	91.33 -19.74 36.65	78.11 -18.41 37.39	72.10 -19.45 43.05	59.78 -14.03 29.56	147.52 -26.55 36.66	85.64 -13.71 11.00	67.02 -11.76 11.04	129.14 -23.96 38.90	105.45 -19.09 27.09	111.58 -14.24 3.87	109.34 -12.75 -0.60
OXBOW____ 24026	35.45 -7.41 32.81	68.08 -12.01 42.95	54.63 -6.80 2.36	97.87 -12.30 9.95	52.67 -6.25 3.19	12.52 -1.84 5.91	19.31 -2.91 7.29	34.95 -4.94 5.23	19.80 -4.35 11.93	11.12 -3.86 15.33	30.25 -7.10 15.62	57.81 -12.01 17.33	107.16 -27.89 64.18	90.94 -20.13 36.65	78.23 -18.30 37.39	72.36 -19.19 43.05	59.46 -14.35 29.56	147.69 -26.37 36.66	85.93 -13.42 11.00	67.06 -11.73 11.04	128.55 -24.55 38.90	105.23 -19.31 27.09	111.50 -14.32 3.87	109.36 -12.73 -0.60
OXY_CHEM_DSASP 323612	35.30 -8.20 32.19	67.68 -13.22 42.12	53.99 -7.49 2.32	96.83 -13.53 9.75	52.11 -6.87 3.13	12.41 -2.06 5.80	19.12 -3.24 7.15	34.66 -5.48 4.98	19.66 -4.87 11.56	11.07 -4.27 14.97	29.84 -7.87 15.25	57.00 -13.35 16.80	105.68 -30.85 62.70	89.81 -22.47 35.45	77.27 -20.50 36.14	71.48 -21.35 41.76	58.70 -16.08 28.58	145.85 -29.68 35.19	85.35 -14.95 10.05	66.60 -13.04 10.18	127.24 -27.23 37.53	104.46 -21.02 26.14	110.48 -15.48 3.73	108.33 -13.77 -0.60
OZONE_PARK_ESR 323760	81.05 5.37 0.00	130.74 7.71 0.00	67.50 3.71 0.00	126.37 6.25 0.00	66.79 3.38 -1.31	28.78 1.34 -7.17	43.07 2.09 -11.48	112.18 3.51 -63.54	144.75 2.73 -105.94	85.70 2.22 -53.17	71.92 3.80 -15.15	100.14 5.97 -7.02	212.50 13.27 0.00	157.90 10.18 0.00	143.83 9.91 0.00	144.41 9.86 0.06	112.19 8.83 0.00	277.18 18.19 -48.27	272.44 9.79 -152.29	222.57 7.75 -124.99	207.45 15.44 0.00	163.72 12.09 0.00	139.18 9.50 0.00	135.14 9.12 -4.52
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	35.30 -8.20 32.19	67.68 -13.22 42.12	53.99 -7.49 2.32	96.83 -13.53 9.75	52.11 -6.87 3.13	12.41 -2.06 5.80	19.12 -3.24 7.15	34.66 -5.48 4.98	19.66 -4.87 11.56	11.07 -4.27 14.97	29.84 -7.87 15.25	57.00 -13.35 16.80	105.68 -30.85 62.70	89.81 -22.47 35.45	77.27 -20.50 36.14	71.48 -21.35 41.76	58.70 -16.08 28.58	145.85 -29.68 35.19	85.35 -14.95 10.05	66.60 -13.04 10.18	127.24 -27.23 37.53	104.46 -21.02 26.14	110.48 -15.48 3.73	108.33 -13.77 -0.60
PACKARD__115KV_DUPONT_184 80571	35.30 -8.20 32.19	67.68 -13.22 42.12	53.99 -7.49 2.32	96.83 -13.53 9.75	52.11 -6.87 3.13	12.41 -2.06 5.80	19.12 -3.24 7.15	34.66 -5.48 4.98	19.66 -4.87 11.56	11.07 -4.27 14.97	29.84 -7.87 15.25	57.00 -13.35 16.80	105.68 -30.85 62.70	89.81 -22.47 35.45	77.27 -20.50 36.14	71.48 -21.35 41.76	58.70 -16.08 28.58	145.85 -29.68 35.19	85.35 -14.95 10.05	66.60 -13.04 10.18	127.24 -27.23 37.53	104.46 -21.02 26.14	110.48 -15.48 3.73	108.33 -13.77 -0.60
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	80.36 4.69 0.00	129.58 6.55 0.00	66.97 3.18 0.00	125.18 5.05 0.00	66.20 2.78 -1.31	28.61 1.16 -7.17	42.75 1.76 -11.48	111.69 3.02 -63.55	144.34 2.31 -105.95	85.35 1.86 -53.18	71.35 3.23 -15.15	99.16 5.00 -7.02	210.53 11.30 0.00	156.24 8.51 0.00	142.21 8.30 0.00	142.86 8.32 0.06	110.80 7.44 0.00	274.11 15.11 -48.27	270.87 8.20 -152.31	221.42 6.59 -125.00	204.85 12.84 0.00	161.76 10.13 0.00	137.57 7.89 0.00	133.83 7.82 -4.52
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	80.65 4.98 0.00	130.12 7.09 0.00	67.24 3.45 0.00	125.76 5.64 0.00	66.54 3.12 -1.31	28.72 1.28 -7.17	42.84 1.85 -11.48	111.90 3.23 -63.55	144.49 2.47 -105.95	85.44 1.95 -53.18	71.46 3.34 -15.15	99.38 5.20 -7.02	210.81 11.58 0.00	156.39 8.67 0.00	142.37 8.46 0.00	143.10 8.55 0.06	111.04 7.69 0.00	274.54 15.34 -48.27	271.26 8.60 -152.31	221.64 6.81 -125.00	205.17 13.16 0.00	162.08 10.45 0.00	137.85 8.16 0.00	134.11 8.09 -4.52
PATROON__115KV_TB1 80586	78.80 3.12 0.00	128.16 5.14 0.00	66.32 2.53 0.00	124.46 4.34 0.00	74.49 2.18 -10.21	76.69 0.71 -55.71	119.62 0.99 -89.13	332.31 1.61 -285.58	859.93 1.23 -822.61	444.25 1.04 -412.89	172.47 1.83 -117.67	144.77 3.23 -54.39	205.85 6.61 0.00	152.20 4.48 0.00	137.99 4.08 0.00	138.14 3.54 0.00	106.87 3.51 0.00	277.44 7.24 -59.47	316.40 3.89 -202.16	249.29 3.04 -156.43	197.80 5.79 0.00	156.41 4.78 0.00	134.15 4.46 0.00	135.66 5.30 -8.87
PATTRSNVILLE__SOLAR 323815	79.11 3.43 0.00	128.55 5.52 0.00	66.53 2.74 0.00	125.05 4.93 0.00	80.18 2.56 -15.51	105.80 0.85 -84.68	166.37 1.37 -135.49	462.97 2.16 -415.69	1288.23 1.69 -1250.46	659.25 1.29 -627.65	233.99 2.15 -178.88	173.41 3.42 -82.85	206.49 7.26 0.00	153.21 5.49 0.00	139.51 5.59 0.00	140.03 5.48 0.05	108.39 5.03 0.00	284.38 10.99 -62.67	340.13 5.88 -223.89	261.15 4.69 -166.64	201.44 9.43 0.00	159.10 7.47 0.00	135.71 6.02 0.00	139.10 5.74 -11.87
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	31.72 -5.49 38.47	63.78 -8.90 50.35	55.85 -5.17 2.77	99.00 -9.46 11.66	53.61 -4.76 3.74	11.97 -1.37 6.93	18.79 -2.17 8.55	35.61 -3.67 5.85	9.94 -3.09 13.14	30.06 -2.82 17.55	59.60 -5.13 17.78	107.01 -8.47 19.08	94.58 -18.70 73.52	81.21 -13.34 39.80	75.68 -12.23 40.48	61.95 -12.91 46.02	155.03 -9.39 32.02	90.37 -16.40 39.29	70.69 -8.71 11.28	135.02 -7.78 11.36	110.91 -15.05 41.94	116.92 -11.54 29.18	114.72 -8.60 4.17	-0.67
PAWLING_115_KV_BK3_REV_LBMP_H 345028	81.07 5.39 0.00	131.02 7.99 0.00	67.66 3.87 0.00	126.80 6.67 0.00	67.03 3.55 -1.36	29.06 1.35 -7.44	43.58 2.16 -11.91	113.81 3.61 -65.08	148.82 2.77 -109.97	87.68 2.18 -55.20	72.38 3.69 -15.73	100.45 6.01 -7.29	212.58 13.34 0.00	157.63 9.91 0.00	143.64 9.72 0.00	144.21 9.66 0.06	112.07 8.71 0.00	277.84 18.35 -48.77	274.20 9.93 -153.92	223.97 7.85 -126.29	207.79 15.78 0.00	163.82 12.19 0.00	139.37 9.69 0.00	135.37 9.29 -4.58
PEEKSKILL____ 23653	79.88 4.20 0.00	129.05 6.02 0.00	66.64 2.85 0.00	124.86 4.74 0.00	65.95 2.54 -1.30	28.39 1.02 -7.10	42.50 1.64 -11.35	110.78 2.78 -62.88	143.02 2.12 -104.82	84.61 1.69 -52.61	70.86 2.89 -14.99	98.68 4.58 -6.95	209.37 10.14 0.00	155.35 7.63 0.00	141.58 7.66 0.00	142.10 7.56 0.06	110.26 6.90 0.00	272.89 14.39 -47.77	268.85 7.76 -150.73	219.67 6.13 -123.71	204.07 12.06 0.00	161.00 9.37 0.00	136.99 7.31 0.00	133.12 7.15 -4.48

PGE MADISON___WINDPWR 24146	136.11 2.17 -58.26	206.16 3.67 -79.46	70.08 1.92 -4.37	140.39 3.35 -16.91	70.66 2.24 -6.31	36.21 1.04 -14.90	51.25 1.59 -20.15	86.09 2.42 -38.55	116.50 1.82 -78.60	86.92 1.21 -55.40	82.89 1.26 -28.67	105.44 3.38 -14.91	294.59 12.90 -82.45	172.12 11.23 -13.17	156.55 11.01 -11.62	155.03 12.05 -8.38	121.31 8.54 -9.40	246.14 11.30 -24.12	173.41 6.24 -56.81	139.84 4.96 -45.05	209.65 9.19 -8.46	163.76 6.48 -5.65	135.40 4.90 -0.81	127.50 4.40 -1.61
PIERCEFIELD___HYD 23852	76.09 0.41 0.00	123.79 0.76 0.00	64.21 0.42 0.00	121.80 1.67 0.00	62.62 0.52 0.00	20.09 -0.19 0.00	29.23 -0.28 0.00	44.67 -0.45 0.00	35.86 -0.22 0.00	30.54 0.22 0.00	53.34 0.37 0.00	87.14 -0.01 0.00	200.51 1.28 0.00	148.71 0.99 0.00	134.21 0.29 0.00	134.11 -0.49 0.00	101.46 -1.90 0.00	206.80 -3.92 0.00	107.81 -2.54 0.00	88.03 -1.80 0.00	189.66 -2.34 0.00	150.36 -1.26 0.00	129.53 -0.16 0.00	121.08 -0.41 0.00
PINELAWN_CC_1 323563	93.00 6.05 -11.28	131.83 8.80 0.00	67.94 4.15 0.00	127.20 7.08 0.00	67.09 3.67 -1.31	32.02 1.49 -10.27	47.65 2.34 -15.80	112.50 3.86 -63.53	144.85 2.86 -105.91	85.84 2.37 -53.16	72.28 4.17 -15.15	100.31 6.14 -7.02	213.02 13.78 0.00	157.62 9.90 0.00	142.90 8.98 0.00	143.54 9.00 0.06	112.74 8.78 -0.59	275.12 16.14 -48.25	271.69 9.08 -152.25	221.93 7.15 -124.96	206.93 14.93 0.00	163.08 11.45 0.00	139.85 10.16 0.00	135.92 9.91 -4.52
PJM_GEN_HTP_PROXY 323702	80.32 4.64 0.00	129.63 6.60 0.00	66.92 3.13 0.00	125.32 5.19 0.00	66.24 2.82 -1.31	28.59 1.14 -7.17	44.60 1.78 -13.31	111.69 3.03 -63.54	144.35 2.34 -105.93	85.37 1.89 -53.17	71.39 3.27 -15.15	99.30 5.13 -7.02	210.63 11.39 0.00	156.35 8.63 0.00	142.52 8.60 0.00	143.08 8.54 0.06	111.01 7.64 0.00	274.86 15.87 -48.26	271.17 8.53 -152.28	221.52 6.72 -124.98	205.17 13.16 0.00	161.93 10.30 0.00	137.72 8.03 0.00	133.81 7.79 -4.52
PJM_GEN_KEystone 24065	6.44 -4.03 65.20	21.03 -6.70 95.29	54.75 -3.71 5.34	48.90 -7.20 64.02	22.76 -3.70 35.64	13.68 -1.11 5.49	26.36 -1.68 1.47	61.43 -2.56 -18.87	62.92 -2.10 -28.94	35.73 -2.01 -7.42	9.75 -3.44 39.78	65.45 -5.40 16.30	110.60 -12.54 76.10	58.07 -8.83 80.82	81.67 -7.87 44.38	40.44 -8.44 85.72	74.31 -5.80 23.25	93.36 -10.77 106.59	139.69 -5.75 -35.09	115.88 -4.86 -30.92	121.56 -9.85 60.59	132.79 -7.62 11.22	121.05 -6.11 2.53	100.07 -5.02 16.40
PJM_GEN_NEPTUNE_PROXY 323594	86.81 5.08 -6.06	130.32 7.29 0.00	67.21 3.42 0.00	125.88 5.75 0.00	66.45 3.03 -1.31	30.33 1.23 -8.82	47.07 1.94 -15.62	111.88 3.23 -63.53	144.41 2.42 -105.91	85.46 1.99 -53.16	71.62 3.50 -15.15	99.51 5.35 -7.02	211.07 11.84 0.00	156.36 8.63 0.00	142.60 8.68 0.00	143.13 8.59 0.06	111.92 8.24 -0.32	275.22 16.24 -48.25	271.57 8.96 -152.25	221.68 6.90 -124.96	206.18 14.18 0.00	162.32 10.69 0.00	138.20 8.51 0.00	134.40 8.39 -4.52
PJM_GEN_VFT_PROXY 323633	71.77 4.14 8.05	85.63 5.69 43.10	49.28 2.71 17.22	69.57 4.36 54.92	48.95 2.40 15.55	27.74 1.01 -6.45	41.06 1.59 -9.96	98.03 2.72 -50.19	98.82 2.09 -60.66	62.48 1.68 -30.48	45.33 2.90 10.54	55.97 4.48 35.67	150.66 9.92 58.50	135.00 7.56 20.28	102.28 7.63 39.26	107.63 7.59 34.56	74.96 6.95 35.35	258.74 14.28 -33.74	98.11 7.76 20.01	169.88 6.11 -73.94	131.21 11.88 72.67	110.60 9.31 50.34	116.32 7.11 20.47	132.74 6.96 -4.29
PLATSBURG_115KV_PMLD1 355749	77.00 1.32 0.00	125.13 2.10 0.00	64.96 1.17 0.00	123.27 3.15 0.00	63.53 1.43 0.00	20.57 0.29 0.00	29.91 0.40 0.00	45.64 0.51 0.00	36.63 0.54 0.00	31.03 0.71 0.00	54.11 1.14 0.00	87.94 0.79 0.00	200.48 1.24 0.00	149.17 1.45 0.00	135.45 1.54 0.00	135.58 0.98 0.00	102.67 -0.70 0.00	208.33 -2.40 0.00	109.18 -1.18 0.00	88.86 -0.97 0.00	191.26 -0.74 0.00	151.06 -0.57 0.00	128.65 -1.04 0.00	119.55 -1.95 0.00
PLEASANTVLY___LBMP 24000	79.72 4.05 0.00	128.92 5.89 0.00	66.60 2.81 0.00	124.86 4.73 0.00	66.02 2.53 -1.39	28.81 0.96 -7.57	43.18 1.55 -12.12	114.44 2.67 -66.66	149.97 2.04 -111.85	88.07 1.62 -56.14	71.73 2.76 -16.00	99.03 4.47 -7.41	209.06 9.82 0.00	155.03 7.31 0.00	141.26 7.34 0.00	141.74 7.19 0.06	109.93 6.57 0.00	274.75 13.72 -50.31	276.53 7.41 -158.76	225.96 5.86 -130.28	203.51 11.50 0.00	160.63 9.00 0.00	136.74 7.06 0.00	133.22 7.00 -4.72
PLSNTVLE_13_KV_13.8KVDIST 80602	80.23 4.55 0.00	129.60 6.57 0.00	66.92 3.13 0.00	125.41 5.28 0.00	66.24 2.81 -1.32	28.59 1.11 -7.22	42.82 1.76 -11.55	112.05 2.96 -63.97	144.93 2.26 -106.58	85.63 1.82 -53.49	71.34 3.13 -15.25	99.19 4.98 -7.06	210.20 10.97 0.00	155.96 8.23 0.00	142.12 8.20 0.00	142.65 8.11 0.06	110.70 7.34 0.00	274.59 15.24 -48.62	272.00 8.23 -153.41	222.24 6.51 -125.91	204.92 12.91 0.00	161.67 10.05 0.00	137.53 7.84 0.00	133.70 7.66 -4.55
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	80.23 4.55 0.00	129.60 6.57 0.00	66.92 3.13 0.00	125.41 5.28 0.00	66.24 2.81 -1.32	28.59 1.11 -7.22	42.82 1.76 -11.55	112.05 2.96 -63.97	144.93 2.26 -106.58	85.63 1.82 -53.49	71.34 3.13 -15.25	99.19 4.98 -7.06	210.20 10.97 0.00	155.96 8.23 0.00	142.12 8.20 0.00	142.65 8.11 0.06	110.70 7.34 0.00	274.59 15.24 -48.62	272.00 8.23 -153.41	222.24 6.51 -125.91	204.92 12.91 0.00	161.67 10.05 0.00	137.53 7.84 0.00	133.70 7.66 -4.55
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	80.61 4.94 0.00	130.32 7.29 0.00	67.33 3.54 0.00	126.23 6.11 0.00	66.86 3.26 -1.50	29.68 1.22 -8.19	44.57 1.95 -13.11	117.15 3.30 -68.72	159.63 2.54 -121.01	93.00 1.95 -60.74	73.56 3.28 -17.31	100.54 5.37 -8.02	211.04 11.80 0.00	156.51 8.78 0.00	142.60 8.69 0.00	143.31 8.76 0.06	111.38 8.02 0.00	276.89 16.89 -49.28	275.26 9.15 -155.75	224.73 7.25 -127.65	206.43 14.42 0.00	162.89 11.26 0.00	138.62 8.93 0.00	134.80 8.63 -4.68
POLETTI___ 23519	80.02 4.34 0.00	129.06 6.03 0.00	66.70 2.91 0.00	124.80 4.67 0.00	65.99 2.56 -1.31	28.51 1.06 -7.17	42.65 1.67 -11.48	111.52 2.86 -63.54	144.22 2.20 -105.94	85.28 1.79 -53.17	71.24 3.12 -15.15	99.03 4.86 -7.02	209.80 10.56 0.00	155.94 8.22 0.00	142.12 8.20 0.00	142.70 8.15 0.06	110.83 7.46 0.00	274.34 15.35 -48.27	270.88 8.23 -152.29	221.34 6.52 -124.99	204.72 12.72 0.00	161.61 9.98 0.00	137.35 7.67 0.00	133.52 7.51 -4.52
POMONA___ESR 323819	79.71 4.03 0.00	128.75 5.72 0.00	66.47 2.68 0.00	124.58 4.46 0.00	65.75 2.38 -1.26	28.14 0.98 -6.89	42.11 1.57 -11.02	108.96 2.68 -61.16	139.87 2.04 -101.76	83.00 1.61 -51.08	70.28 2.76 -14.56	98.24 4.34 -6.74	208.85 9.61 0.00	154.95 7.23 0.00	141.18 7.26 0.00	141.75 7.21 0.06	109.93 6.57 0.00	271.01 13.74 -46.55	264.63 7.41 -146.87	216.21 5.84 -120.54	203.54 11.53 0.00	160.58 8.95 0.00	136.67 6.98 0.00	132.69 6.84 -4.36
PORT_JEFF_3 23555	93.56 6.60 -11.28	132.74 9.71 0.00	68.35 4.55 0.00	127.95 7.83 0.00	67.36 3.94 -1.31	32.16 1.62 -10.27	47.83 2.51 -15.80	112.83 4.18 -63.53	145.06 3.06 -105.91	85.99 2.52 -53.16	72.55 4.43 -15.15	100.76 6.59 -7.02	214.01 14.77 0.00	158.32 10.59 0.00	144.81 10.90 0.00	145.49 10.95 0.06	114.48 10.52 -0.59	279.03 20.05 -48.25	273.84 11.24 -152.25	223.38 8.60 -124.96	210.33 18.33 0.00	165.44 13.81 0.00	140.78 11.10 0.00	136.82 10.81 -4.52

PORT_JEFF_4 23616	93.56 6.60 -11.28	132.74 9.71 0.00	68.35 4.55 0.00	127.95 7.83 0.00	67.36 3.94 -1.31	32.16 1.62 -10.27	47.83 2.51 -15.80	112.83 4.18 -63.53	145.06 3.06 -105.91	85.99 2.52 -53.16	72.55 4.43 -15.15	100.76 6.59 -7.02	214.01 14.77 0.00	158.32 10.59 0.00	144.81 10.90 0.00	145.49 10.95 0.06	114.48 10.52 -0.59	279.03 20.05 -48.25	273.84 11.24 -152.25	223.38 8.60 -124.96	210.33 18.33 0.00	165.44 13.81 0.00	140.78 11.10 0.00	136.82 10.81 -4.52
PORT_JEFF_IC 23713	93.57 6.61 -11.28	132.81 9.78 0.00	68.39 4.60 0.00	128.03 7.91 0.00	67.38 3.96 -1.31	32.16 1.62 -10.27	47.85 2.53 -15.80	112.86 4.21 -63.53	145.09 3.09 -105.91	86.00 2.53 -53.16	72.59 4.47 -15.15	100.83 6.67 -7.02	214.00 14.76 0.00	158.49 10.77 0.00	144.88 10.96 0.00	145.60 11.06 0.06	114.61 10.65 -0.59	278.99 20.01 -48.25	273.86 11.25 -152.25	223.38 8.59 -124.96	210.46 18.45 0.00	165.64 14.01 0.00	140.91 11.23 0.00	136.95 10.93 -4.52
PPL PILGRIM_ST_GT1 24216	93.75 6.79 -11.28	132.95 9.92 0.00	68.51 4.71 0.00	128.27 8.15 0.00	67.61 4.19 -1.31	32.22 1.68 -10.27	47.90 2.58 -15.80	112.83 4.18 -63.53	145.04 3.05 -105.91	86.09 2.62 -53.16	72.75 4.63 -15.15	101.11 6.94 -7.02	214.79 15.55 0.00	158.51 10.78 0.00	144.56 10.65 0.00	145.20 10.65 0.06	114.58 10.63 -0.59	279.22 20.24 -48.25	273.71 11.11 -152.25	223.30 8.52 -124.96	210.39 18.39 0.00	165.34 13.72 0.00	140.84 11.15 0.00	136.98 10.97 -4.52
PPL PILGRIM_ST_GT2 24217	93.75 6.79 -11.28	132.95 9.92 0.00	68.51 4.71 0.00	128.27 8.15 0.00	67.61 4.19 -1.31	32.22 1.68 -10.27	47.90 2.58 -15.80	112.83 4.18 -63.53	145.04 3.05 -105.91	86.09 2.62 -53.16	72.75 4.63 -15.15	101.11 6.94 -7.02	214.79 15.55 0.00	158.51 10.78 0.00	144.56 10.65 0.00	145.20 10.65 0.06	114.58 10.63 -0.59	279.22 20.24 -48.25	273.71 11.11 -152.25	223.30 8.52 -124.96	210.39 18.39 0.00	165.34 13.72 0.00	140.84 11.15 0.00	136.98 10.97 -4.52
PPL_SHRM_GT3 24213	93.73 6.77 -11.28	133.10 10.07 0.00	68.44 4.64 0.00	128.09 7.97 0.00	67.08 3.66 -1.31	32.11 1.57 -10.27	47.81 2.49 -15.80	113.00 4.35 -63.53	145.14 3.15 -105.91	85.89 2.41 -53.16	72.49 4.37 -15.15	100.53 6.36 -7.02	212.66 13.43 0.00	157.38 9.65 0.00	144.85 10.93 0.00	145.68 11.14 0.06	114.72 10.76 -0.59	280.20 21.22 -48.25	274.62 12.02 -152.25	223.96 9.18 -124.96	211.11 19.11 0.00	165.83 14.20 0.00	141.10 11.41 0.00	137.18 11.17 -4.52
PPL_SHRM_GT4 24214	93.73 6.77 -11.28	133.10 10.07 0.00	68.44 4.64 0.00	128.09 7.97 0.00	67.08 3.66 -1.31	32.11 1.57 -10.27	47.81 2.49 -15.80	113.00 4.35 -63.53	145.14 3.15 -105.91	85.89 2.41 -53.16	72.49 4.37 -15.15	100.53 6.36 -7.02	212.66 13.43 0.00	157.38 9.65 0.00	144.85 10.93 0.00	145.68 11.14 0.06	114.72 10.76 -0.59	280.20 21.22 -48.25	274.62 12.02 -152.25	223.96 9.18 -124.96	211.11 19.11 0.00	165.83 14.20 0.00	141.10 11.41 0.00	137.18 11.17 -4.52
PROJECT___ORANGE 1 24174	74.10 -1.58 0.00	120.42 -2.61 0.00	62.33 -1.46 0.00	117.09 -3.03 0.00	60.61 -1.49 0.00	19.90 -0.38 0.00	28.99 -0.52 0.00	47.08 -0.90 -2.86	35.42 -0.66 0.00	29.70 -0.61 0.00	51.71 -1.26 0.00	85.09 -2.06 0.00	194.31 -4.92 0.00	144.13 -3.59 0.00	130.97 -2.95 0.00	131.47 -3.13 0.00	101.33 -2.04 0.00	211.56 -3.48 -4.32	121.64 -1.64 -12.92	99.40 -1.49 -11.07	188.41 -3.60 0.00	148.64 -2.98 0.00	127.00 -2.68 0.00	119.53 -2.32 -0.35
PROJECT___ORANGE 2 24166	74.10 -1.58 0.00	120.42 -2.61 0.00	62.33 -1.46 0.00	117.09 -3.03 0.00	60.61 -1.49 0.00	19.90 -0.38 0.00	28.99 -0.52 0.00	47.08 -0.90 -2.86	35.42 -0.66 0.00	29.70 -0.61 0.00	51.71 -1.26 0.00	85.09 -2.06 0.00	194.31 -4.92 0.00	144.13 -3.59 0.00	130.97 -2.95 0.00	131.47 -3.13 0.00	101.33 -2.04 0.00	211.56 -3.48 -4.32	121.64 -1.64 -12.92	99.40 -1.49 -11.07	188.41 -3.60 0.00	148.64 -2.98 0.00	127.00 -2.68 0.00	119.53 -2.32 -0.35
PUCKETT___SOLAR 323809	75.36 -0.31 0.00	122.45 -0.57 0.00	63.40 -0.39 0.00	119.04 -1.08 0.00	62.37 -0.47 -0.74	24.27 -0.06 -4.06	36.00 -0.01 -6.50	73.64 0.05 -28.46	96.15 -0.01 -60.08	60.26 -0.21 -30.15	60.86 -0.70 -8.59	90.50 -0.63 -3.98	197.20 -2.03 0.00	147.25 -0.47 0.00	134.20 0.29 0.00	134.71 0.50 0.39	104.29 0.96 0.03	228.10 1.46 -15.92	162.23 0.91 -50.96	131.89 0.76 -41.30	192.97 0.96 0.00	152.10 0.48 0.00	129.79 0.10 0.00	123.55 0.43 -1.63
PYRITES___HYD 24023	77.48 1.80 0.00	126.09 3.06 0.00	65.43 1.64 0.00	124.09 3.97 0.00	63.90 1.79 0.00	20.51 0.24 0.00	29.89 0.38 0.00	45.70 0.57 0.00	36.67 0.59 0.00	31.21 0.90 0.00	54.51 1.55 0.00	88.87 1.72 0.00	204.68 5.45 0.00	151.85 4.13 0.00	136.92 3.01 0.00	137.18 2.58 0.00	103.83 0.47 0.00	211.89 1.17 0.00	110.41 0.06 0.00	90.07 0.24 0.00	193.91 1.91 0.00	153.38 1.76 0.00	132.10 2.41 0.00	123.42 1.93 0.00
QUAKERRD_115KV_BK1 80622	52.43 -4.77 18.49	91.00 -7.80 24.22	58.24 -4.21 1.33	106.43 -8.09 5.60	56.32 -3.99 1.79	15.80 -1.15 3.33	23.67 -1.74 4.10	44.00 -2.93 -1.81	32.00 -2.43 1.66	22.09 -2.14 6.08	43.33 -3.97 5.68	78.06 -6.63 2.46	157.99 -15.30 25.95	134.34 -11.31 2.07	122.25 -10.23 1.43	124.18 -10.64 -0.22	94.46 -7.68 1.22	202.55 -13.86 -5.68	119.80 -7.04 -16.49	98.30 -6.13 -14.60	178.88 -12.99 0.13	141.23 -10.40 0.00	121.34 -8.35 0.00	114.51 -7.45 -0.46
QUEENSBRY_115KV_TB8 356137	82.61 6.93 0.00	134.38 11.36 0.00	69.48 5.69 0.00	130.59 10.47 0.00	82.21 5.41 -14.70	102.29 1.79 -80.23	160.93 3.06 -128.36	444.71 4.69 -394.89	1224.44 3.68 -1184.68	627.95 3.00 -594.63	227.63 5.20 -169.46	173.77 8.14 -78.48	216.79 17.55 0.00	159.92 12.20 0.00	145.99 12.07 0.00	146.43 11.83 0.00	113.57 10.21 0.00	294.19 22.48 -60.98	339.49 11.90 -217.24	261.42 9.54 -162.05	211.10 19.10 0.00	167.07 15.44 0.00	141.84 12.15 0.00	144.73 11.88 -11.35
RAMAPO___LBMP 323565	79.50 3.82 0.00	128.45 5.43 0.00	66.34 2.55 0.00	124.33 4.21 0.00	65.62 2.26 -1.26	28.06 0.93 -6.86	41.98 1.50 -10.97	108.60 2.55 -60.93	139.34 1.93 -101.33	82.69 1.52 -50.86	70.07 2.60 -14.50	97.98 4.12 -6.72	208.22 8.99 0.00	154.53 6.81 0.00	140.74 6.82 0.00	141.28 6.74 0.06	109.61 6.26 0.00	270.15 13.02 -46.40	263.80 7.04 -146.40	215.54 5.55 -120.16	202.96 10.96 0.00	160.12 8.49 0.00	136.30 6.61 0.00	132.32 6.48 -4.34
RANKINE____ 23646	31.89 -6.34 37.45	63.67 -10.33 49.02	55.28 -5.82 2.70	97.90 -10.87 11.35	53.05 -5.42 3.64	11.97 -1.57 6.74	18.71 -2.49 8.32	33.76 -4.25 7.11	17.77 -3.61 14.70	9.01 -3.26 18.04	28.52 -5.97 18.48	55.84 -9.98 21.33	101.16 -22.67 75.40	85.69 -16.25 45.78	72.27 -14.80 46.84	65.48 -15.50 53.62	55.00 -11.39 36.97	142.92 -20.15 47.64	81.80 -10.45 18.10	63.24 -9.11 17.48	124.58 -18.38 49.05	103.28 -14.17 34.17	114.32 -10.49 4.88	113.18 -8.96 -0.65
RAVENSWOOD_GT2_1 24244	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.40 5.27 0.00	66.26 2.84 -1.31	28.59 1.15 -7.17	42.78 1.79 -11.48	111.71 3.04 -63.55	144.38 2.35 -105.95	85.40 1.91 -53.18	71.40 3.27 -15.15	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.07 7.71 0.00	274.87 15.88 -48.27	271.17 8.51 -152.31	221.56 6.73 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.76 8.07 0.00	133.91 7.89 -4.52



RAVENSWOOD_GT2_2 24245	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.40 5.27 0.00	66.26 2.84 -1.31	28.59 1.15 -7.17	42.78 1.79 -11.48	111.71 3.04 -63.55	144.38 2.35 -105.95	85.40 1.91 -53.18	71.40 3.27 -15.15	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.07 7.71 0.00	274.87 15.88 -48.27	271.17 8.51 -152.31	221.56 6.73 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.76 8.07 0.00	133.91 7.89 -4.52
RAVENSWOOD_GT2_3 24246	80.41 4.73 0.00	129.73 6.71 0.00	67.01 3.22 0.00	125.42 5.29 0.00	66.29 2.87 -1.31	28.60 1.16 -7.17	42.79 1.80 -11.48	111.74 3.07 -63.55	144.40 2.37 -105.95	85.41 1.92 -53.18	71.43 3.31 -15.15	99.36 5.20 -7.02	210.78 11.54 0.00	156.53 8.81 0.00	142.61 8.70 0.00	143.17 8.63 0.06	111.11 7.75 0.00	274.89 15.90 -48.27	271.27 8.60 -152.31	221.62 6.79 -125.00	205.37 13.36 0.00	162.09 10.46 0.00	137.85 8.16 0.00	133.94 7.92 -4.52
RAVENSWOOD_GT2_4 24247	80.41 4.73 0.00	129.73 6.71 0.00	67.01 3.22 0.00	125.42 5.29 0.00	66.29 2.87 -1.31	28.60 1.16 -7.17	42.79 1.80 -11.48	111.74 3.07 -63.55	144.40 2.37 -105.95	85.41 1.92 -53.18	71.43 3.31 -15.15	99.36 5.20 -7.02	210.78 11.54 0.00	156.53 8.81 0.00	142.61 8.70 0.00	143.17 8.63 0.06	111.11 7.75 0.00	274.89 15.90 -48.27	271.27 8.60 -152.31	221.62 6.79 -125.00	205.37 13.36 0.00	162.09 10.46 0.00	137.85 8.16 0.00	133.94 7.92 -4.52
RAVENSWOOD_GT3_1 24248	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.40 5.27 0.00	66.26 2.84 -1.31	28.59 1.15 -7.17	42.78 1.79 -11.48	111.71 3.04 -63.55	144.38 2.35 -105.95	85.40 1.91 -53.18	71.40 3.27 -15.15	99.33 5.16 -7.02	210.67 11.43 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.07 7.71 0.00	274.87 15.88 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
RAVENSWOOD_GT3_2 24249	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.40 5.27 0.00	66.26 2.84 -1.31	28.59 1.15 -7.17	42.78 1.79 -11.48	111.71 3.04 -63.55	144.38 2.35 -105.95	85.40 1.91 -53.18	71.40 3.27 -15.15	99.33 5.16 -7.02	210.67 11.43 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.07 7.71 0.00	274.87 15.88 -48.27	271.18 8.52 -152.31	221.56 6.73 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
RAVENSWOOD_GT3_3 24250	80.48 4.80 0.00	129.86 6.83 0.00	67.06 3.27 0.00	125.54 5.41 0.00	66.34 2.92 -1.31	28.63 1.18 -7.17	42.82 1.84 -11.48	111.79 3.12 -63.55	144.44 2.41 -105.95	85.45 1.96 -53.18	71.49 3.37 -15.15	99.47 5.30 -7.02	211.03 11.79 0.00	156.71 8.98 0.00	142.75 8.83 0.00	143.32 8.78 0.06	111.21 7.85 0.00	275.12 16.12 -48.27	271.38 8.71 -152.31	221.71 6.88 -125.00	205.62 13.61 0.00	162.27 10.64 0.00	137.99 8.30 0.00	134.08 8.06 -4.52
RAVENSWOOD_GT3_4 24251	80.48 4.80 0.00	129.86 6.83 0.00	67.06 3.27 0.00	125.54 5.41 0.00	66.34 2.92 -1.31	28.63 1.18 -7.17	42.82 1.84 -11.48	111.79 3.12 -63.55	144.44 2.41 -105.95	85.45 1.96 -53.18	71.49 3.37 -15.15	99.47 5.30 -7.02	211.03 11.79 0.00	156.71 8.98 0.00	142.75 8.83 0.00	143.32 8.78 0.06	111.21 7.85 0.00	275.12 16.12 -48.27	271.38 8.71 -152.31	221.71 6.88 -125.00	205.62 13.61 0.00	162.27 10.64 0.00	137.99 8.30 0.00	134.08 8.06 -4.52
RAVENSWOOD_GT_1 23729	80.52 4.84 0.00	129.85 6.82 0.00	67.05 3.26 0.00	125.41 5.28 0.00	66.89 2.86 -1.93	34.54 1.18 -13.09	46.16 1.85 -14.80	111.85 3.15 -63.58	144.50 2.42 -105.99	89.19 1.97 -56.91	74.04 3.40 -17.67	99.46 5.29 -7.02	211.27 12.02 -0.01	156.93 9.21 0.00	142.92 9.00 0.00	143.54 8.99 0.06	111.23 7.87 0.00	275.10 16.10 -48.27	271.36 8.70 -152.31	221.71 6.88 -125.00	205.48 13.48 0.00	162.23 10.60 0.00	137.98 8.29 0.00	134.18 8.17 -4.52
RAVENSWOOD_GT_10 24258	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.34 2.85 -1.39	29.28 1.15 -7.86	43.17 1.79 -11.86	111.71 3.04 -63.55	144.39 2.35 -105.95	85.83 1.91 -53.61	71.69 3.27 -15.44	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.20 8.54 -152.31	221.57 6.75 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
RAVENSWOOD_GT_11 24259	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.34 2.85 -1.39	29.28 1.15 -7.86	43.17 1.79 -11.86	111.71 3.04 -63.55	144.39 2.35 -105.95	85.83 1.91 -53.61	71.69 3.27 -15.44	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.20 8.54 -152.31	221.57 6.75 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
RAVENSWOOD_GT_4 24252	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.43 5.31 0.00	66.77 2.88 -1.78	33.11 1.16 -11.68	45.31 1.79 -14.01	111.73 3.04 -63.57	144.42 2.35 -105.98	88.24 1.91 -56.02	73.31 3.27 -17.07	99.35 5.18 -7.02	210.65 11.41 -0.01	156.42 8.70 0.00	142.52 8.60 0.00	143.07 8.53 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.24 8.57 -152.31	221.58 6.75 -125.00	205.31 13.31 0.00	162.05 10.42 0.00	137.78 8.10 0.00	133.90 7.89 -4.52
RAVENSWOOD_GT_5 24254	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.43 5.31 0.00	66.77 2.88 -1.78	33.11 1.16 -11.68	45.31 1.79 -14.01	111.73 3.04 -63.57	144.42 2.35 -105.98	88.24 1.91 -56.02	73.31 3.27 -17.07	99.35 5.18 -7.02	210.65 11.41 -0.01	156.42 8.70 0.00	142.52 8.60 0.00	143.07 8.53 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.24 8.57 -152.31	221.58 6.75 -125.00	205.31 13.31 0.00	162.05 10.42 0.00	137.78 8.10 0.00	133.90 7.89 -4.52
RAVENSWOOD_GT_6 24253	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.43 5.31 0.00	66.77 2.88 -1.78	33.11 1.16 -11.68	45.31 1.79 -14.01	111.73 3.04 -63.57	144.42 2.35 -105.98	88.24 1.91 -56.02	73.31 3.27 -17.07	99.35 5.18 -7.02	210.65 11.41 -0.01	156.42 8.70 0.00	142.52 8.60 0.00	143.07 8.53 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.24 8.57 -152.31	221.58 6.75 -125.00	205.31 13.31 0.00	162.05 10.42 0.00	137.78 8.10 0.00	133.90 7.89 -4.52
RAVENSWOOD_GT_7 24255	80.36 4.68 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.43 5.31 0.00	66.77 2.88 -1.78	33.11 1.16 -11.68	45.31 1.79 -14.01	111.73 3.04 -63.57	144.42 2.35 -105.98	88.24 1.91 -56.02	73.31 3.27 -17.07	99.35 5.18 -7.02	210.65 11.41 -0.01	156.42 8.70 0.00	142.52 8.60 0.00	143.07 8.53 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.24 8.57 -152.31	221.58 6.75 -125.00	205.31 13.31 0.00	162.05 10.42 0.00	137.78 8.10 0.00	133.90 7.89 -4.52
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.34 2.85 -1.39	29.28 1.15 -7.86	43.17 1.79 -11.86	111.71 3.04 -63.55	144.39 2.35 -105.95	85.83 1.91 -53.61	71.69 3.27 -15.44	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.20 8.54 -152.31	221.57 6.75 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52

RAVENSWOOD_GT_9 24257	80.37 4.69 0.00	129.68 6.65 0.00	66.98 3.19 0.00	125.41 5.28 0.00	66.34 2.85 -1.39	29.28 1.15 -7.86	43.17 1.79 -11.86	111.71 3.04 -63.55	144.39 2.35 -105.95	85.83 1.91 -53.61	71.69 3.27 -15.44	99.33 5.16 -7.02	210.66 11.42 0.00	156.43 8.71 0.00	142.53 8.62 0.00	143.10 8.56 0.06	111.08 7.72 0.00	274.87 15.88 -48.27	271.20 8.54 -152.31	221.57 6.75 -125.00	205.31 13.31 0.00	162.00 10.37 0.00	137.77 8.08 0.00	133.91 7.89 -4.52
RAVENSWOOD___1 23533	80.48 4.80 0.00	129.75 6.72 0.00	66.96 3.17 0.00	125.20 5.08 0.00	65.55 2.74 -0.71	22.76 1.14 -1.34	39.52 1.80 -8.20	111.72 3.08 -63.52	144.35 2.37 -105.90	81.74 1.92 -49.50	68.95 3.31 -12.67	99.36 5.20 -7.02	210.96 11.74 0.01	156.60 8.87 0.00	142.71 8.79 0.00	143.32 8.77 0.06	111.02 7.66 0.00	274.84 15.85 -48.27	271.19 8.53 -152.31	221.58 6.75 -125.00	205.16 13.16 0.00	161.99 10.36 0.00	137.80 8.11 0.00	133.99 7.97 -4.52
RAVENSWOOD___2 23534	80.48 4.80 0.00	129.75 6.72 0.00	66.96 3.17 0.00	125.20 5.08 0.00	65.55 2.74 -0.71	22.76 1.14 -1.34	39.52 1.80 -8.20	111.72 3.08 -63.52	144.35 2.37 -105.90	81.74 1.92 -49.50	68.95 3.31 -12.67	99.36 5.20 -7.02	210.96 11.74 0.01	156.60 8.87 0.00	142.71 8.79 0.00	143.32 8.77 0.06	111.02 7.66 0.00	274.84 15.85 -48.27	271.19 8.53 -152.31	221.58 6.75 -125.00	205.16 13.16 0.00	161.99 10.36 0.00	137.80 8.11 0.00	133.99 7.97 -4.52
RAVENSWOOD___3 23535	80.40 4.72 0.00	129.70 6.67 0.00	66.98 3.19 0.00	125.39 5.27 0.00	66.27 2.84 -1.31	28.60 1.15 -7.17	42.78 1.79 -11.48	111.71 3.04 -63.55	144.38 2.35 -105.95	85.40 1.91 -53.18	71.40 3.28 -15.15	99.33 5.16 -7.02	210.69 11.46 0.00	156.41 8.68 0.00	142.56 8.65 0.00	143.16 8.62 0.06	111.04 7.68 0.00	274.89 15.89 -48.27	271.24 8.58 -152.31	221.58 6.75 -125.00	205.23 13.23 0.00	162.00 10.37 0.00	137.77 8.09 0.00	133.91 7.89 -4.52
RAVENSWOOD___4 23820	80.48 4.80 0.00	129.75 6.72 0.00	66.96 3.17 0.00	125.20 5.08 0.00	65.55 2.74 -0.71	22.76 1.14 -1.34	39.52 1.80 -8.20	111.72 3.08 -63.52	144.35 2.37 -105.90	81.74 1.92 -49.50	68.95 3.31 -12.67	99.36 5.20 -7.02	210.96 11.74 0.01	156.60 8.87 0.00	142.71 8.79 0.00	143.32 8.77 0.06	111.02 7.66 0.00	274.84 15.85 -48.27	271.19 8.53 -152.31	221.58 6.75 -125.00	205.16 13.16 0.00	161.99 10.36 0.00	137.80 8.11 0.00	133.99 7.97 -4.52
RCPI_TRUST___DRP 24196	80.46 4.78 0.00	129.86 6.83 0.00	67.04 3.25 0.00	125.53 5.40 0.00	66.37 2.95 -1.31	28.63 1.18 -7.17	42.81 1.82 -11.47	111.75 3.10 -63.54	144.42 2.41 -105.93	85.43 1.95 -53.17	71.49 3.37 -15.15	99.49 5.32 -7.02	211.03 11.79 0.00	156.72 8.99 0.00	142.81 8.90 0.00	143.36 8.82 0.06	111.27 7.91 0.00	275.28 16.30 -48.26	271.35 8.72 -152.28	221.68 6.87 -124.98	205.55 13.55 0.00	162.17 10.54 0.00	137.88 8.20 0.00	134.01 8.00 -4.52
RED___ROCHESTER 323720	51.76 -3.28 20.64	90.53 -5.45 27.04	59.23 -3.07 1.49	107.99 -5.89 6.25	57.27 -2.84 2.00	15.79 -0.76 3.71	23.72 -1.21 4.58	44.79 -2.04 -1.70	32.52 -1.71 1.85	21.91 -1.61 6.79	43.62 -3.00 6.35	79.37 -5.03 2.75	158.54 -11.70 28.99	136.98 -8.43 2.32	124.43 -7.88 1.60	126.26 -8.54 -0.20	96.28 -5.71 1.37	206.88 -9.72 -5.87	122.42 -4.91 -16.97	100.53 -4.36 -15.07	182.99 -8.87 0.14	144.21 -7.42 0.00	123.93 -5.76 0.00	116.91 -5.06 -0.48
REGAN___SOLAR 323812	80.96 5.28 0.00	131.62 8.60 0.00	68.14 4.35 0.00	128.08 7.96 0.00	80.76 4.16 -14.50	100.82 1.41 -79.14	158.36 2.24 -126.61	441.53 3.49 -392.91	1207.37 2.74 -1168.54	618.83 1.98 -586.53	223.19 3.07 -167.16	169.10 4.53 -77.42	208.47 9.23 0.00	155.74 8.02 0.00	142.31 8.40 0.00	142.76 8.21 0.06	111.27 7.92 0.00	293.73 17.70 -65.31	349.25 9.32 -229.57	270.31 7.46 -173.03	207.47 15.46 0.00	163.69 12.06 0.00	139.42 9.74 0.00	141.99 8.85 -11.64
RENSSELAER___COGEN 23796	78.28 2.61 0.00	127.42 4.40 0.00	65.94 2.15 0.00	123.76 3.64 0.00	72.23 1.80 -8.32	66.26 0.58 -45.41	102.91 0.74 -72.66	286.04 1.21 -239.71	707.62 0.93 -670.60	367.68 0.77 -336.60	150.19 1.30 -95.93	133.87 2.43 -44.29	203.80 4.57 0.00	150.70 2.98 0.00	136.44 2.53 0.00	136.67 2.07 0.00	105.68 2.32 0.00	274.39 4.82 -58.85	308.56 2.62 -195.58	245.93 2.04 -154.06	195.63 3.63 0.00	154.83 3.20 0.00	132.91 3.23 0.00	133.65 4.40 -7.76
REPUBLIC_115KV_BARTNBRK 55605	85.23 9.55 0.00	138.98 15.95 0.00	71.87 8.08 0.00	135.22 15.09 0.00	84.40 7.71 -14.59	102.40 2.50 -79.63	161.67 4.76 -127.40	444.74 7.41 -392.21	1217.47 5.54 -1175.84	624.97 4.47 -590.19	228.98 7.82 -168.20	177.05 12.01 -77.89	225.53 26.29 0.00	165.19 17.47 0.00	150.91 17.00 0.00	151.43 16.83 0.00	118.14 14.77 0.00	303.97 32.32 -60.92	344.26 17.07 -216.83	265.77 14.08 -161.86	219.57 27.56 0.00	174.59 22.96 0.00	147.40 17.72 0.00	150.14 17.35 -11.30
REVERE_CPPR_DRP 24186	78.12 2.44 0.00	127.06 4.03 0.00	65.83 2.04 0.00	123.75 3.63 0.00	63.91 1.80 0.00	20.96 0.69 0.00	30.66 1.15 0.00	48.72 1.96 -1.64	37.88 1.80 0.00	31.73 1.42 0.00	55.44 2.47 0.00	90.91 3.76 0.00	207.48 8.24 0.00	153.44 5.72 0.00	139.65 5.73 0.00	139.76 5.16 0.00	107.79 4.43 0.00	222.80 9.74 -2.34	122.53 5.18 -6.99	100.17 4.36 -5.99	201.41 9.41 0.00	158.87 7.24 0.00	135.12 5.43 0.00	126.26 4.58 -0.19
REYNOLDS_115KV_TB3 80639	79.18 3.50 0.00	128.65 5.62 0.00	66.57 2.78 0.00	124.96 4.84 0.00	74.00 2.45 -9.44	72.58 0.76 -51.55	113.12 1.14 -82.47	313.78 1.83 -266.83	798.63 1.37 -761.18	413.52 1.15 -382.06	163.96 2.11 -108.88	141.13 3.61 -50.37	207.11 7.88 0.00	153.39 5.66 0.00	139.30 5.38 0.00	139.47 4.86 0.00	107.71 4.35 0.00	278.88 9.17 -58.98	315.26 4.93 -199.98	248.76 3.88 -155.05	199.47 7.47 0.00	157.73 6.10 0.00	134.91 5.23 0.00	135.83 5.66 -8.68
RIVERBAY____ 323610	80.65 4.98 0.00	130.12 7.09 0.00	67.24 3.45 0.00	125.76 5.64 0.00	66.54 3.12 -1.31	28.72 1.28 -7.17	42.84 1.85 -11.48	111.90 3.23 -63.55	144.49 2.47 -105.95	85.44 1.95 -53.18	71.46 3.34 -15.15	99.38 5.20 -7.02	210.81 11.58 0.00	156.39 8.67 0.00	142.37 8.46 0.00	143.10 8.55 0.06	111.04 7.69 0.00	274.54 15.54 -48.27	271.26 8.60 -152.31	221.64 6.81 -125.00	205.17 13.16 0.00	162.08 10.45 0.00	137.85 8.16 0.00	134.11 8.09 -4.52
RIVERSDE_115KV_TB3 55908	78.72 3.04 0.00	128.04 5.01 0.00	66.26 2.47 0.00	124.39 4.27 0.00	73.45 2.12 -9.22	71.27 0.68 -50.32	110.96 0.94 -80.50	308.17 1.52 -261.53	780.27 1.16 -743.03	404.24 0.98 -372.95	160.98 1.73 -106.29	139.34 3.08 -49.11	205.54 6.30 0.00	152.04 4.31 0.00	137.82 3.90 0.00	138.00 3.40 0.00	106.70 3.34 0.00	276.73 6.91 -59.10	312.88 3.74 -198.78	247.86 2.94 -155.10	197.51 5.50 0.00	156.19 4.56 0.00	133.94 4.25 0.00	134.96 5.14 -8.33
ROARING___BROOK_WT_PWR 323790	73.57 -2.11 0.00	119.97 -3.06 0.00	62.38 -1.42 0.00	117.85 -2.27 0.00	60.76 -1.35 0.00	19.79 -0.48 0.00	28.80 -0.71 0.00	43.99 -1.13 0.00	35.25 -0.84 0.00	29.68 -0.63 0.00	51.94 -1.04 0.00	85.00 -2.15 0.00	194.87 -4.36 0.00	144.75 -2.97 0.00	130.97 -2.95 0.00	131.59 -3.02 0.00	100.54 -2.82 0.00	204.93 -5.79 0.00	107.05 -3.31 0.00	87.78 -2.05 0.00	189.23 -2.78 0.00	150.22 -1.41 0.00	128.17 -1.52 0.00	119.50 -1.99 0.00

ROCHESRG_115KV_T4 355643	51.17 -4.18 20.33	89.55 -6.84 26.63	58.56 -3.76 1.46	106.80 -7.16 6.16	56.62 -3.51 1.97	15.62 -0.99 3.66	23.45 -1.55 4.51	43.08 -2.66 -0.62	30.55 -2.25 3.29	20.87 -2.02 7.43	42.05 -3.77 7.15	76.05 -6.28 4.82	153.17 -14.57 31.50	129.36 -10.70 7.66	116.92 -9.74 7.26	117.96 -10.23 6.41	90.23 -7.35 5.78	196.56 -12.80 1.37	115.27 -6.51 -11.42	94.16 -5.73 -10.06	173.55 -12.00 6.45	137.70 -9.51 4.42	121.66 -7.40 0.63	115.49 -6.48 -0.48
ROCHESTER_9_IC 23652	51.32 -3.72 20.64	89.88 -6.11 27.04	58.91 -3.39 1.49	107.36 -6.51 6.25	56.95 -3.15 2.00	15.69 -0.87 3.71	23.57 -1.36 4.58	44.47 -2.35 -1.70	32.25 -1.98 1.85	21.72 -1.80 6.79	43.25 -3.37 6.35	78.76 -5.65 2.75	157.19 -13.06 28.99	135.76 -9.65 2.31	123.58 -8.74 1.60	125.52 -9.27 -0.20	95.44 -6.56 1.37	205.45 -11.14 -5.87	121.73 -5.60 -16.97	99.87 -5.02 -15.07	181.34 -10.52 0.14	143.19 -8.44 0.00	123.14 -6.54 0.00	116.23 -5.75 -0.48
ROCKVIEW_13_KV_LD 356306	80.47 4.79 0.00	129.91 6.88 0.00	67.08 3.28 0.00	125.65 5.52 0.00	66.38 2.96 -1.31	28.61 1.16 -7.17	42.84 1.85 -11.48	111.80 3.13 -63.54	144.43 2.41 -105.94	85.43 1.94 -53.17	71.46 3.34 -15.15	99.48 5.31 -7.02	210.97 11.73 0.00	156.62 8.90 0.00	142.72 8.80 0.00	143.27 8.73 0.06	111.21 7.85 0.00	275.29 16.30 -48.27	271.44 8.78 -152.30	221.74 6.92 -124.99	205.77 13.77 0.00	162.31 10.68 0.00	138.07 8.39 0.00	134.14 8.13 -4.52
ROME____115KV_TB2 80656	78.12 2.44 0.00	127.06 4.03 0.00	65.83 2.04 0.00	123.75 3.63 0.00	63.91 1.80 0.00	20.96 0.69 0.00	30.66 1.15 0.00	48.72 1.96 -1.64	37.88 1.80 0.00	31.73 1.42 0.00	55.44 2.47 0.00	90.91 3.76 0.00	207.48 8.24 0.00	153.44 5.72 0.00	139.65 5.73 0.00	139.76 5.16 0.00	107.79 4.43 0.00	222.80 9.74 -2.34	122.53 5.18 -6.99	100.17 4.36 -5.99	201.41 9.41 0.00	158.87 7.24 0.00	135.12 5.43 0.00	126.26 4.58 -0.19
ROSETON___1 23587	79.53 3.85 0.00	128.62 5.59 0.00	66.46 2.67 0.00	124.58 4.46 0.00	65.75 2.37 -1.27	28.14 0.92 -6.94	42.10 1.49 -11.10	110.15 2.53 -62.50	140.51 1.93 -102.49	83.28 1.53 -51.45	70.24 2.61 -14.66	98.15 4.21 -6.79	208.47 9.23 0.00	154.61 6.88 0.00	140.82 6.90 0.00	141.36 6.82 0.06	109.58 6.23 0.00	271.99 13.02 -48.25	269.57 7.07 -152.15	220.32 5.57 -124.92	202.85 10.85 0.00	160.14 8.51 0.00	136.37 6.68 0.00	132.61 6.62 -4.50
ROSETON___2 23588	79.53 3.85 0.00	128.62 5.59 0.00	66.46 2.67 0.00	124.58 4.46 0.00	65.75 2.37 -1.27	28.14 0.92 -6.94	42.10 1.49 -11.10	110.15 2.53 -62.50	140.51 1.93 -102.49	83.28 1.53 -51.45	70.24 2.61 -14.66	98.15 4.21 -6.79	208.47 9.23 0.00	154.61 6.88 0.00	140.82 6.90 0.00	141.36 6.82 0.06	109.58 6.23 0.00	271.99 13.02 -48.25	269.57 7.07 -152.15	220.32 5.57 -124.92	202.85 10.85 0.00	160.14 8.51 0.00	136.37 6.68 0.00	132.61 6.62 -4.50
ROTRDAM_115KV_TB3 80664	78.66 2.98 0.00	127.81 4.78 0.00	66.14 2.35 0.00	124.29 4.17 0.00	80.17 2.16 -15.90	107.79 0.71 -86.81	169.54 1.14 -138.89	471.36 1.81 -424.43	1319.36 1.41 -1281.87	674.85 1.12 -643.41	238.26 1.93 -183.37	175.24 3.16 -84.93	206.11 6.88 0.00	152.70 4.98 0.00	138.93 5.01 0.00	139.39 4.79 0.00	107.70 4.33 0.00	281.78 9.40 -61.66	337.12 5.05 -221.72	258.01 4.00 -164.19	199.97 7.96 0.00	157.97 6.34 0.00	134.75 5.06 0.00	138.42 4.97 -11.96
RUSSELL___1 23602	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
RUSSELL___2 23532	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
RUSSELL___3 23549	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
RUSSELL___4 23556	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
RUSSELL___STATION 23914	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
S SALMON___HYD 24043	73.69 -1.99 0.00	119.68 -3.34 0.00	61.97 -1.82 0.00	116.34 -3.78 0.00	60.11 -1.99 0.00	19.71 -0.56 0.00	28.78 -0.73 0.00	46.15 -1.22 -2.24	35.21 -0.87 0.00	29.57 -0.75 0.00	51.48 -1.49 0.00	84.46 -2.69 0.00	192.90 -6.33 0.00	142.63 -5.09 0.00	129.67 -4.25 0.00	130.14 -4.46 0.00	100.53 -2.83 0.00	209.85 -4.28 -3.41	118.47 -2.07 -10.19	97.23 -1.33 -8.73	189.49 -2.52 0.00	149.53 -2.10 0.00	127.11 -2.58 0.00	119.29 -2.48 -0.28
S.PERRY__115KV_TB1 80734	20.58 -2.33 52.76	49.34 -4.26 69.43	57.34 -2.64 3.82	99.06 -5.16 15.90	54.57 -2.44 5.10	10.27 -0.55 9.45	17.03 -0.85 11.64	71.38 -1.39 -27.65	67.48 -1.15 -32.55	30.66 -1.08 -1.43	57.36 -2.37 -6.76	129.71 -4.22 -46.78	191.52 -8.77 -1.05	273.42 -5.26 -130.96	270.38 -4.12 -140.58	299.59 -3.88 -168.86	210.46 -2.23 -109.33	400.02 -1.89 -191.19	272.28 -0.91 -162.84	234.75 -1.11 -146.03	349.33 -2.69 -160.02	260.90 -3.11 -112.39	142.55 -3.17 -16.04	118.34 -3.83 -0.68
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	33.99 -6.99 34.69	66.32 -11.30 45.42	55.01 -6.29 2.50	97.89 -11.73 10.51	52.89 -5.85 3.37	12.31 -1.72 6.25	19.07 -2.74 7.71	33.76 -4.70 6.67	18.13 -4.01 13.94	9.84 -3.59 16.88	29.03 -6.59 17.35	55.87 -11.04 20.24	103.47 -25.21 70.56	85.65 -18.26 43.82	72.38 -16.69 44.84	65.55 -17.52 51.54	54.63 -12.97 35.76	141.98 -23.24 45.50	81.14 -11.96 17.26	62.74 -10.40 16.69	124.00 -21.17 46.83	102.65 -16.33 32.65	112.90 -12.12 4.66	111.63 -10.48 -0.62

SAWYER___23_KV_LOAD 55526	33.99 -6.99 34.69	66.32 -11.30 45.42	55.01 -6.29 2.50	97.89 -11.73 10.51	52.89 -5.85 3.37	12.31 -1.72 6.25	19.07 -2.74 7.71	33.76 -4.70 6.67	18.13 -4.01 13.94	9.84 -3.59 16.88	29.03 -6.59 17.35	55.87 -11.04 20.24	103.47 -25.21 70.56	85.65 -18.26 43.82	72.38 -16.69 44.84	65.55 -17.52 51.54	54.63 -12.97 35.76	141.98 -23.24 45.50	81.14 -11.96 17.26	62.74 -10.40 16.69	124.00 -21.17 46.83	102.65 -16.33 32.65	112.90 -12.12 4.66	111.63 -10.48 -0.62
SELKIRK___I 23801	78.60 2.92 0.00	127.92 4.89 0.00	66.22 2.43 0.00	124.37 4.25 0.00	71.44 2.66 -6.67	58.44 1.74 -36.43	90.01 2.16 -58.33	248.09 2.61 -200.36	580.39 2.06 -542.24	303.99 1.51 -272.17	132.39 1.85 -77.57	126.86 3.81 -35.90	206.86 7.62 0.00	152.61 4.88 0.00	138.61 4.70 0.00	139.47 4.86 0.00	108.70 5.34 0.00	279.71 11.52 -57.47	305.00 6.09 -188.55	244.68 4.81 -150.04	201.78 9.77 0.00	159.62 7.99 0.00	137.01 7.32 0.00	136.85 8.34 -7.02
SELKIRK___II 23799	78.27 2.59 0.00	127.31 4.29 0.00	65.89 2.10 0.00	123.71 3.58 0.00	70.75 1.82 -6.83	58.15 0.59 -37.28	89.97 0.81 -59.65	249.99 1.34 -203.52	587.48 1.04 -550.35	307.40 0.84 -276.24	133.08 1.38 -78.72	126.23 2.57 -36.51	204.29 5.05 0.00	151.24 3.51 0.00	137.16 3.24 0.00	137.53 2.93 0.00	106.32 2.95 0.00	275.49 6.20 -58.56	305.50 3.38 -191.75	245.28 2.65 -152.81	197.04 5.03 0.00	155.81 4.18 0.00	133.46 3.78 0.00	133.11 4.54 -7.08
SENECA OSWGO___HYD 24041	73.58 -2.09 0.00	119.38 -3.65 0.00	61.88 -1.91 0.00	116.29 -3.83 0.00	60.21 -1.90 0.00	19.76 -0.51 0.00	28.79 -0.72 0.00	46.42 -1.23 -2.53	35.10 -0.98 0.00	29.44 -0.87 0.00	51.23 -1.74 0.00	84.29 -2.86 0.00	192.38 -6.86 0.00	142.63 -5.10 0.00	129.59 -4.33 0.00	130.12 -4.49 0.00	100.36 -3.00 0.00	209.14 -5.41 -3.83	119.06 -2.74 -11.44	97.33 -2.30 -9.80	186.73 -5.27 0.00	147.30 -4.33 0.00	125.83 -3.86 0.00	118.34 -3.47 -0.31
SENECA___115KV_TB3 355854	32.03 -6.21 37.45	63.86 -10.14 49.02	55.38 -5.71 2.70	98.10 -10.67 11.35	53.15 -5.32 3.64	12.00 -1.53 6.74	18.76 -2.43 8.32	33.85 -4.16 7.11	17.84 -3.54 14.70	9.07 -3.20 18.04	28.62 -5.86 18.48	56.00 -9.81 21.33	101.56 -22.27 75.40	85.98 -15.96 45.78	72.54 -14.53 46.84	65.75 -15.23 53.62	55.21 -11.18 36.97	143.35 -19.73 47.64	82.02 -10.23 18.10	63.42 -8.93 17.48	124.96 -17.99 49.05	103.59 -13.87 34.17	114.57 -10.24 4.88	113.41 -8.73 -0.65
SENECA___ENERGY 23797	66.62 -1.88 7.18	110.40 -3.39 9.24	61.39 -1.89 0.51	113.85 -4.06 2.21	59.48 -1.92 0.71	18.49 -0.46 1.31	27.23 -0.66 1.62	49.22 -1.09 -5.19	37.06 -0.89 -1.86	28.36 -0.84 1.11	50.62 -1.67 0.68	86.87 -2.93 -2.65	187.09 -7.00 5.15	151.05 -5.07 -8.39	138.86 -4.22 -9.17	141.66 -4.32 -11.38	107.81 -2.66 -7.10	224.82 -4.40 -18.50	137.18 -1.75 -28.68	112.52 -1.75 -24.44	198.31 -4.43 -10.73	155.24 -3.94 -7.56	127.51 -3.26 -1.08	119.63 -2.37 -0.51
SHOEMAKER___GT 23640	79.11 3.43 0.00	128.01 4.98 0.00	66.17 2.37 0.00	124.06 3.93 0.00	65.40 2.10 -1.19	27.61 0.84 -6.51	41.25 1.33 -10.41	105.23 2.25 -57.85	133.88 1.70 -96.09	79.81 1.27 -48.23	68.78 2.07 -13.74	97.02 3.50 -6.37	206.55 7.32 0.00	153.30 5.58 0.00	139.71 5.80 0.00	140.24 5.70 0.06	108.77 5.41 0.00	266.52 11.69 -44.11	255.85 6.34 -139.15	209.02 4.98 -114.22	201.75 9.75 0.00	159.27 7.64 0.00	135.67 5.99 0.00	131.48 5.87 -4.13
SHOEMAKR_138KV_BK 111 55601	79.06 3.38 0.00	127.90 4.88 0.00	66.11 2.32 0.00	123.98 3.85 0.00	65.34 2.05 -1.18	27.55 0.82 -6.46	41.16 1.32 -10.33	104.80 2.23 -57.44	133.14 1.68 -95.38	79.46 1.28 -47.87	68.72 2.11 -13.64	96.98 3.51 -6.32	206.62 7.39 0.00	153.38 5.65 0.00	139.69 5.77 0.00	140.25 5.71 0.06	108.76 5.41 0.00	266.07 11.54 -43.81	254.83 6.26 -138.22	208.19 4.92 -113.45	201.70 9.69 0.00	159.18 7.56 0.00	135.59 5.91 0.00	131.37 5.78 -4.10
SHOREHAM_IC_1 23715	93.73 6.77 -11.28	133.10 10.07 0.00	68.44 4.64 0.00	128.09 7.97 0.00	67.08 3.66 -1.31	32.11 1.57 -10.27	47.81 2.49 -15.80	113.00 4.35 -63.53	145.14 3.15 -105.91	85.89 2.41 -53.16	72.49 4.37 -15.15	100.53 6.36 -7.02	212.66 13.43 0.00	157.38 9.65 0.00	144.85 10.93 0.00	145.68 11.14 0.06	114.72 10.76 -0.59	280.20 21.22 -48.25	274.62 12.02 -152.25	223.96 9.18 -124.96	211.11 19.11 0.00	165.83 14.20 0.00	141.10 11.41 0.00	137.18 11.17 -4.52
SHOREHAM_IC_2 23716	93.73 6.77 -11.28	133.10 10.07 0.00	68.44 4.64 0.00	128.09 7.97 0.00	67.08 3.66 -1.31	32.11 1.57 -10.27	47.81 2.49 -15.80	113.00 4.35 -63.53	145.14 3.15 -105.91	85.89 2.41 -53.16	72.49 4.37 -15.15	100.53 6.36 -7.02	212.66 13.43 0.00	157.38 9.65 0.00	144.85 10.93 0.00	145.68 11.14 0.06	114.72 10.76 -0.59	280.20 21.22 -48.25	274.62 12.02 -152.25	223.96 9.18 -124.96	211.11 19.11 0.00	165.83 14.20 0.00	141.10 11.41 0.00	137.18 11.17 -4.52
SISSONVILLE____ 23735	76.09 0.41 0.00	123.79 0.76 0.00	64.21 0.42 0.00	121.80 1.67 0.00	62.62 0.52 0.00	20.09 -0.19 0.00	29.23 -0.28 0.00	44.67 -0.45 0.00	35.86 -0.22 0.00	30.54 0.22 0.00	53.34 0.37 0.00	87.14 -0.01 0.00	200.51 1.28 0.00	148.71 0.99 0.00	134.21 0.29 0.00	134.11 -0.49 0.00	101.46 -1.90 0.00	206.80 -3.92 0.00	107.81 -2.54 0.00	88.03 -1.80 0.00	189.66 -2.34 0.00	150.36 -1.26 0.00	129.53 -0.16 0.00	121.08 -0.41 0.00
SITHE_IND_GS1 24169	72.73 -2.94 0.00	118.13 -4.90 0.00	61.24 -2.55 0.00	115.17 -4.96 0.00	59.58 -2.52 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.29 -1.81 -1.98	34.69 -1.39 0.00	29.12 -1.20 0.00	50.66 -2.31 0.00	83.29 -3.86 0.00	190.16 -9.08 0.00	141.06 -6.66 0.00	127.99 -5.92 0.00	128.55 -6.11 -0.05	99.00 -4.37 0.00	205.33 -8.39 -3.00	115.10 -4.23 -8.97	93.94 -3.57 -7.68	184.19 -7.81 0.00	145.33 -6.30 0.00	124.26 -5.42 0.00	116.82 -4.91 -0.24
SITHE_IND_GS2 24170	72.73 -2.94 0.00	118.13 -4.90 0.00	61.24 -2.55 0.00	115.17 -4.96 0.00	59.58 -2.52 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.29 -1.81 -1.98	34.69 -1.39 0.00	29.12 -1.20 0.00	50.66 -2.31 0.00	83.29 -3.86 0.00	190.16 -9.08 0.00	141.06 -6.66 0.00	127.99 -5.92 0.00	128.55 -6.11 -0.05	99.00 -4.37 0.00	205.33 -8.39 -3.00	115.10 -4.23 -8.97	93.94 -3.57 -7.68	184.19 -7.81 0.00	145.33 -6.30 0.00	124.26 -5.42 0.00	116.82 -4.91 -0.24
SITHE_IND_GS3 24171	72.73 -2.94 0.00	118.13 -4.90 0.00	61.24 -2.55 0.00	115.17 -4.96 0.00	59.58 -2.52 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.29 -1.81 -1.98	34.69 -1.39 0.00	29.12 -1.20 0.00	50.66 -2.31 0.00	83.29 -3.86 0.00	190.16 -9.08 0.00	141.06 -6.66 0.00	127.99 -5.92 0.00	128.55 -6.11 -0.05	99.00 -4.37 0.00	205.33 -8.39 -3.00	115.10 -4.23 -8.97	93.94 -3.57 -7.68	184.19 -7.81 0.00	145.33 -6.30 0.00	124.26 -5.42 0.00	116.82 -4.91 -0.24
SITHE_IND_GS4 24172	72.73 -2.94 0.00	118.13 -4.90 0.00	61.24 -2.55 0.00	115.17 -4.96 0.00	59.58 -2.52 0.00	19.55 -0.73 0.00	28.45 -1.06 0.00	45.29 -1.81 -1.98	34.69 -1.39 0.00	29.12 -1.20 0.00	50.66 -2.31 0.00	83.29 -3.86 0.00	190.16 -9.08 0.00	141.06 -6.66 0.00	127.99 -5.92 0.00	128.55 -6.11 -0.05	99.00 -4.37 0.00	205.33 -8.39 -3.00	115.10 -4.23 -8.97	93.94 -3.57 -7.68	184.19 -7.81 0.00	145.33 -6.30 0.00	124.26 -5.42 0.00	116.82 -4.91 -0.24

SITHE___BATAVIA 24024	44.02 -4.17 27.49	80.14 -6.89 36.00	57.88 -3.93 1.98	104.59 -7.21 8.33	55.94 -3.50 2.67	14.38 -0.95 4.95	21.89 -1.51 6.11	39.94 -2.52 2.66	25.78 -2.18 8.13	16.33 -2.09 11.90	37.08 -3.99 11.90	68.73 -6.61 11.82	133.56 -15.74 49.93	112.58 -11.33 23.81	99.38 -10.50 24.03	96.58 -11.21 26.81	76.64 -7.67 19.05	177.06 -12.62 21.04	103.32 -6.46 0.58	82.38 -5.86 1.59	156.07 -11.34 24.59	125.16 -9.39 17.07	120.24 -7.01 2.44	115.64 -6.40 -0.55
SITHE___INDEPEND 23800	72.74 -2.94 0.00	118.15 -4.88 0.00	61.24 -2.55 0.00	115.17 -4.95 0.00	59.59 -2.52 0.00	19.55 -0.72 0.00	28.44 -1.07 0.00	45.29 -1.81 -1.98	34.70 -1.39 0.00	29.11 -1.20 0.00	50.66 -2.31 0.00	83.28 -3.87 0.00	190.14 -9.10 0.00	141.05 -6.67 0.00	128.00 -5.91 0.00	128.58 -6.08 -0.05	98.99 -4.38 0.00	205.34 -8.38 -3.00	115.11 -4.22 -8.97	93.95 -3.56 -7.68	184.11 -7.89 0.00	145.31 -6.32 0.00	124.26 -5.42 0.00	116.83 -4.91 -0.24
SITHE___MASSENA 23902	75.89 0.22 0.00	123.49 0.46 0.00	64.18 0.39 0.00	121.52 1.40 0.00	62.74 0.63 0.00	20.32 0.05 0.00	29.51 0.00 0.00	45.09 -0.04 0.00	36.13 0.05 0.00	30.56 0.25 0.00	53.42 0.45 0.00	87.49 0.34 0.00	201.24 2.01 0.00	149.40 1.68 0.00	134.80 0.88 0.00	135.58 0.98 0.00	102.85 -0.51 0.00	209.27 -1.45 0.00	109.09 -1.27 0.00	88.92 -0.91 0.00	191.20 -0.81 0.00	151.13 -0.49 0.00	129.76 0.07 0.00	121.10 -0.39 0.00
SITHE___OGDNSBRG 24021	77.31 1.63 0.00	125.81 2.78 0.00	65.34 1.55 0.00	123.86 3.73 0.00	63.86 1.76 0.00	20.58 0.31 0.00	29.97 0.45 0.00	45.80 0.68 0.00	36.74 0.66 0.00	31.19 0.87 0.00	54.47 1.50 0.00	88.88 1.72 0.00	204.72 5.48 0.00	151.88 4.16 0.00	136.92 3.00 0.00	137.56 2.96 0.00	104.25 0.89 0.00	212.66 1.94 0.00	110.78 0.42 0.00	90.33 0.51 0.00	194.40 2.40 0.00	153.63 2.00 0.00	132.10 2.41 0.00	123.32 1.83 0.00
SITHE___STERLING 23777	77.27 1.59 0.00	125.73 2.70 0.00	65.19 1.40 0.00	122.65 2.53 0.00	63.39 1.28 0.00	20.79 0.52 0.00	30.38 0.87 0.00	48.46 1.47 -1.87	38.08 1.38 -0.62	33.65 1.06 -2.27	56.91 1.82 -2.12	90.03 2.88 0.00	205.45 6.22 0.00	152.10 4.38 0.00	138.43 4.51 0.00	138.39 3.79 0.00	106.75 3.38 0.00	220.50 7.02 -2.75	122.30 3.72 -8.22	99.97 3.10 -7.05	198.38 6.38 0.00	156.42 4.79 0.00	133.32 3.63 0.00	124.86 3.14 -0.22
SLEIGHT__34_KV_TB1 80719	61.83 -2.94 10.91	103.92 -4.94 14.17	60.32 -2.70 0.78	111.56 -5.23 3.34	58.47 -2.57 1.07	17.62 -0.67 1.98	26.04 -1.02 2.44	46.04 -1.70 -2.62	33.67 -1.43 0.98	25.39 -1.31 3.61	47.13 -2.46 3.37	81.51 -4.18 1.46	174.32 -9.49 15.42	139.40 -7.09 1.23	126.83 -6.23 0.85	128.24 -6.55 -0.18	98.16 -4.49 0.72	209.05 -7.40 -5.73	123.50 -3.67 -16.82	101.20 -3.31 -14.69	184.66 -7.27 0.08	145.59 -6.04 0.00	124.78 -4.91 0.00	117.68 -4.27 -0.47
SOUTH CAIRO___GT 23612	81.84 6.17 0.00	133.17 10.14 0.00	68.89 5.10 0.00	129.37 9.25 0.00	72.96 4.85 -6.00	54.77 1.74 -32.77	84.01 2.07 -52.43	229.90 2.51 -182.27	523.26 2.25 -484.92	275.70 1.99 -243.40	125.10 2.77 -69.36	125.27 6.02 -32.10	208.80 9.57 0.00	156.15 8.43 0.00	140.97 7.05 0.00	141.91 7.35 0.05	110.89 7.52 0.00	283.57 16.76 -56.09	302.39 8.76 -183.27	243.04 6.92 -146.30	206.40 14.40 0.00	162.82 11.19 0.00	139.61 9.93 0.00	138.85 10.67 -6.69
SOUTH HAMPTN___IC 23720	94.24 7.28 -11.28	133.09 10.07 0.00	68.28 4.49 0.00	127.81 7.68 0.00	67.01 3.59 -1.31	32.09 1.56 -10.27	47.83 2.52 -15.80	113.00 4.35 -63.53	145.12 3.12 -105.91	85.88 2.41 -53.16	72.39 4.27 -15.15	100.31 6.14 -7.02	212.50 13.27 0.00	157.17 9.45 0.00	144.56 10.64 0.00	145.50 10.96 0.06	114.49 10.53 -0.59	279.69 20.71 -48.25	274.52 11.92 -152.25	223.89 9.11 -124.96	211.00 19.00 0.00	165.66 14.03 0.00	140.97 11.28 0.00	137.00 10.99 -4.52
SOUTHDOW_115KV_TB1 355954	27.58 -4.61 43.49	58.39 -7.68 56.97	55.96 -4.70 3.13	98.17 -8.78 13.17	53.46 -4.43 4.22	11.35 -1.09 7.83	18.12 -1.74 9.65	38.32 -3.05 3.76	23.13 -2.54 10.42	10.57 -2.13 17.61	31.84 -3.74 17.39	65.94 -6.02 15.19	110.64 -14.38 74.21	112.41 -10.33 24.99	98.79 -9.56 25.56	92.92 -10.12 31.56	83.92 -7.36 12.08	176.21 -11.13 23.38	106.17 -5.75 -1.56	85.05 -5.03 -0.25	154.77 -8.88 28.35	125.24 -6.74 19.64	123.09 -3.79 2.80	119.58 -2.61 -0.70
SOUTHOLD_69_KV_BK 2 55809	94.92 7.96 -11.28	132.67 9.64 0.00	67.75 3.95 0.00	126.83 6.70 0.00	66.52 3.10 -1.31	31.94 1.40 -10.27	47.70 2.39 -15.80	112.80 4.15 -63.53	144.94 2.94 -105.91	85.72 2.25 -53.16	71.99 3.88 -15.15	99.56 5.39 -7.02	210.26 11.03 0.00	155.98 8.25 0.00	143.50 9.58 0.00	144.54 9.99 0.06	113.08 9.12 -0.59	276.54 17.56 -48.25	274.01 11.40 -152.25	223.53 8.75 -124.96	210.30 18.30 0.00	165.00 13.38 0.00	140.32 10.64 0.00	136.23 10.22 -4.52
SOUTHOLD___IC 23719	94.96 7.99 -11.28	132.71 9.68 0.00	67.75 3.96 0.00	126.79 6.66 0.00	66.51 3.09 -1.31	31.95 1.40 -10.27	47.70 2.38 -15.80	112.80 4.15 -63.53	144.93 2.94 -105.91	85.72 2.24 -53.16	72.00 3.88 -15.15	99.55 5.38 -7.02	210.76 11.53 0.00	155.88 8.15 0.00	143.55 9.63 0.00	144.62 10.08 0.06	113.05 9.09 -0.59	276.53 17.55 -48.25	274.06 11.45 -152.25	223.54 8.76 -124.96	210.22 18.21 0.00	164.98 13.35 0.00	140.31 10.62 0.00	136.23 10.22 -4.52
SOUTH_FORK_WT_PWR 323839	94.67 7.71 -11.28	131.20 8.17 0.00	66.74 2.95 0.00	124.93 4.81 0.00	65.53 2.11 -1.31	31.63 1.09 -10.27	47.29 1.97 -15.80	112.16 3.51 -63.53	144.41 2.42 -105.91	85.28 1.81 -53.16	71.22 3.10 -15.15	98.25 4.09 -7.02	207.86 8.62 0.00	153.66 5.94 0.00	141.55 7.64 0.00	142.64 8.10 0.06	111.95 7.99 -0.59	274.46 15.48 -48.25	272.39 9.78 -152.25	222.24 7.46 -124.96	207.49 15.48 0.00	162.77 11.14 0.00	138.41 8.72 0.00	134.45 8.44 -4.52
SPIERFLS_115KV_TB 1 80737	82.24 6.57 0.00	133.69 10.66 0.00	69.15 5.36 0.00	129.98 9.86 0.00	82.00 5.10 -14.79	102.68 1.69 -80.72	161.49 2.83 -129.15	446.56 4.32 -397.11	1231.48 3.43 -1191.97	631.40 2.80 -598.29	228.29 4.82 -170.51	173.64 7.52 -78.97	215.55 16.31 0.00	159.10 11.37 0.00	145.15 11.23 0.00	145.64 11.03 0.00	112.90 9.54 0.00	292.70 20.94 -61.03	339.03 11.10 -217.57	260.92 8.88 -162.21	209.75 17.75 0.00	166.01 14.38 0.00	141.07 11.39 0.00	144.02 11.13 -11.40
ST LAWRENCE____ 23600	75.06 -0.62 0.00	122.14 -0.89 0.00	63.51 -0.28 0.00	120.19 0.06 0.00	62.10 -0.01 0.00	20.14 -0.13 0.00	29.25 -0.27 0.00	44.68 -0.44 0.00	35.81 -0.28 0.00	30.22 -0.09 0.00	52.90 -0.07 0.00	86.71 -0.44 0.00	199.29 0.05 0.00	147.87 0.15 0.00	133.48 -0.44 0.00	134.40 -0.20 0.00	102.05 -1.31 0.00	207.52 -3.20 0.00	108.22 -2.14 0.00	88.22 -1.61 0.00	189.56 -2.45 0.00	149.79 -1.84 0.00	128.45 -1.24 0.00	119.82 -1.67 0.00
STATE_CA_115KV_115_LB 55624	78.80 3.12 0.00	128.16 5.14 0.00	66.32 2.53 0.00	124.46 4.34 0.00	74.62 2.18 -10.33	77.37 0.71 -56.39	120.72 0.99 -90.22	335.36 1.61 -288.62	870.01 1.24 -832.69	449.31 1.05 -417.95	173.92 1.84 -119.11	145.44 3.23 -55.06	205.85 6.61 0.00	152.22 4.49 0.00	138.00 4.09 0.00	138.14 3.54 0.00	106.87 3.51 0.00	277.48 7.24 -59.52	316.84 3.89 -202.60	249.46 3.04 -156.59	197.80 5.79 0.00	156.41 4.78 0.00	134.15 4.46 0.00	135.73 5.30 -8.94

STATE_ST_34_KV_LOAD 55959	88.51 -0.66 -13.49	139.69 -1.58 -18.25	64.06 -0.74 -1.00	122.45 -1.62 -3.95	62.61 -0.77 -1.27	22.49 -0.13 -2.35	32.14 -0.26 -2.89	50.21 -0.32 -5.41	36.95 -0.31 -1.18	34.29 -0.37 -4.34	56.31 -0.72 -4.06	87.61 -1.28 -1.75	214.84 -2.85 -18.46	147.15 -2.04 -1.47	133.43 -1.50 -1.02	133.09 -1.54 -0.03	103.59 -0.65 -0.87	216.36 -0.48 -6.12	130.11 0.03 -19.73	105.52 -0.15 -15.85	191.25 -0.85 -0.09	150.58 -1.05 0.00	128.66 -1.02 0.00	121.38 -0.61 -0.50
STATION_5_MISC_HYD 23604	51.35 -3.69 20.64	89.88 -6.11 27.04	58.91 -3.39 1.49	107.38 -6.49 6.25	56.95 -3.16 2.00	15.69 -0.87 3.71	23.57 -1.36 4.58	44.51 -2.32 -1.70	32.30 -1.93 1.85	21.72 -1.80 6.79	43.28 -3.34 6.35	78.82 -5.59 2.75	157.31 -12.94 28.99	136.05 -9.35 2.31	123.57 -8.75 1.60	125.42 -9.38 -0.20	95.57 -6.42 1.37	205.40 -11.19 -5.87	121.60 -5.73 -16.97	99.89 -5.01 -15.07	181.69 -10.17 0.14	143.29 -8.33 0.00	123.19 -6.50 0.00	116.22 -5.75 -0.48
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	52.78 -2.35 20.54	92.08 -3.98 26.97	60.03 -2.27 1.48	109.35 -4.57 6.21	57.99 -2.13 1.99	16.07 -0.52 3.69	24.20 -0.76 4.55	45.48 -1.37 -1.72	33.11 -1.14 1.84	22.50 -1.07 6.74	44.59 -2.08 6.30	80.82 -3.60 2.73	162.05 -8.42 28.77	139.22 -6.21 2.30	126.95 -5.38 1.59	128.99 -5.72 -0.10	98.23 -3.77 1.36	210.63 -5.97 -5.87	124.54 -2.80 -16.98	102.24 -2.65 -15.07	185.96 -5.90 0.14	146.68 -4.95 0.00	125.87 -3.82 0.00	118.89 -3.08 -0.48
STA_56_34_KV_BUS2_REV_LBMP_B 345033	51.55 -3.94 20.19	90.11 -6.46 26.46	58.77 -3.57 1.46	107.21 -6.80 6.11	56.83 -3.32 1.96	15.72 -0.92 3.63	23.60 -1.43 4.48	44.38 -2.46 -1.72	32.23 -2.05 1.81	21.83 -1.84 6.64	43.33 -3.43 6.21	78.71 -5.75 2.69	157.62 -13.27 28.35	135.65 -9.80 2.26	123.47 -8.88 1.56	125.39 -9.38 -0.17	95.36 -6.66 1.34	205.12 -11.42 -5.82	121.41 -5.78 -16.83	99.62 -5.15 -14.94	181.02 -10.85 0.14	142.90 -8.73 0.00	122.85 -6.83 0.00	115.97 -6.00 -0.47
STA_56___34_KV_BUS2 355983	51.55 -3.94 20.19	90.11 -6.46 26.46	58.77 -3.57 1.46	107.21 -6.80 6.11	56.83 -3.32 1.96	15.72 -0.92 3.63	23.60 -1.43 4.48	44.38 -2.46 -1.72	32.23 -2.05 1.81	21.83 -1.84 6.64	43.33 -3.43 6.21	78.71 -5.75 2.69	157.62 -13.27 28.35	135.65 -9.80 2.26	123.47 -8.88 1.56	125.39 -9.38 -0.17	95.36 -6.66 1.34	205.12 -11.42 -5.82	121.41 -5.78 -16.83	99.62 -5.15 -14.94	181.02 -10.85 0.14	142.90 -8.73 0.00	122.85 -6.83 0.00	115.97 -6.00 -0.47
STA_67___115KV_BK2 355882	51.17 -3.91 20.60	89.64 -6.40 26.98	58.77 -3.54 1.48	107.13 -6.76 6.24	56.81 -3.30 2.00	15.65 -0.91 3.71	23.51 -1.43 4.57	44.35 -2.48 -1.70	32.16 -2.08 1.85	21.65 -1.89 6.78	43.12 -3.52 6.33	78.52 -5.89 2.74	156.67 -13.64 28.92	135.35 -10.06 2.31	123.21 -9.11 1.60	125.13 -9.68 -0.21	95.15 -6.85 1.36	204.81 -11.78 -5.86	121.35 -5.30 -16.96	99.58 -5.30 -15.05	180.77 -11.09 0.14	142.76 -8.87 0.00	122.81 -6.87 0.00	115.96 -6.01 -0.48
STA_7___115KV_9TRANS 80674	51.74 -3.29 20.64	90.54 -5.45 27.04	59.23 -3.07 1.49	107.97 -5.91 6.25	57.27 -2.84 2.00	15.80 -0.76 3.71	23.74 -1.19 4.58	44.75 -2.08 -1.70	32.48 -1.75 1.85	21.91 -1.61 6.79	43.59 -3.03 6.35	79.33 -5.07 2.75	158.42 -11.82 28.99	136.69 -8.72 2.32	124.44 -7.88 1.60	126.37 -8.43 -0.20	96.15 -5.85 1.37	206.94 -9.65 -5.87	122.51 -4.82 -16.97	100.52 -4.38 -15.07	182.64 -9.22 0.14	144.10 -7.53 0.00	123.84 -5.85 0.00	116.91 -5.07 -0.48
STA_82___115KV_TB1 80780	50.96 -3.88 20.84	89.38 -6.35 27.30	58.77 -3.52 1.50	107.07 -6.75 6.31	56.82 -3.27 2.02	15.61 -0.91 3.75	23.47 -1.42 4.62	44.37 -2.46 -1.70	32.15 -2.07 1.87	21.60 -1.87 6.85	43.06 -3.51 6.40	78.54 -5.84 2.77	156.40 -13.59 29.25	135.42 -9.98 2.33	123.25 -9.07 1.60	125.20 -9.56 -0.16	95.17 -6.81 1.38	205.01 -11.62 -5.90	121.51 -5.90 -17.05	99.73 -5.23 -15.14	180.86 -11.00 0.14	142.87 -8.76 0.00	122.88 -6.80 0.00	116.02 -5.95 -0.48
STEEL___WIND 323596	31.89 -6.34 37.45	63.62 -10.39 49.02	55.24 -5.85 2.70	97.87 -10.91 11.35	53.04 -5.43 3.64	11.94 -1.59 6.74	18.67 -2.52 8.32	33.80 -4.21 7.11	17.85 -3.54 14.70	8.98 -3.29 18.04	28.56 -5.92 18.48	55.91 -9.90 21.33	101.27 -22.57 75.40	86.08 -15.86 45.78	72.27 -14.80 46.84	65.24 -15.74 53.62	55.24 -11.15 36.97	142.83 -20.25 47.64	81.61 -10.65 18.10	63.28 -9.07 17.48	125.17 -17.78 49.05	103.56 -13.89 34.17	114.43 -10.38 4.88	113.17 -8.97 -0.65
STEPHTWN_115KV_BK_2 55603	79.33 3.65 0.00	129.10 6.08 0.00	66.73 2.94 0.00	125.31 5.18 0.00	72.95 2.53 -8.32	66.55 0.87 -45.41	103.38 1.21 -72.66	286.83 1.99 -239.71	708.26 1.56 -670.60	368.18 1.26 -336.60	150.95 2.05 -95.93	135.26 3.82 -44.29	206.34 7.11 0.00	152.98 5.25 0.00	138.45 4.53 0.00	138.61 4.01 0.00	107.57 4.21 0.00	278.61 9.03 -58.85	310.81 4.87 -195.58	247.75 3.87 -154.06	199.60 7.59 0.00	157.82 6.19 0.00	135.29 5.60 0.00	135.56 6.31 -7.76
STEUBEN_REC_LFGE 323667	-51.35 -5.73 121.29	-48.05 -10.52 160.56	48.67 -6.30 8.83	71.50 -12.28 36.34	44.58 -6.24 11.29	-1.03 -1.69 19.62	3.44 -2.62 23.45	62.00 -4.11 -20.99	75.51 -3.30 -42.73	14.75 -2.85 12.72	29.69 -5.34 17.94	99.23 -8.70 -20.78	60.61 -18.30 120.33	213.03 -10.06 -75.36	210.81 -7.66 -84.55	236.60 -6.71 -108.71	163.71 -5.19 -65.54	330.61 -9.06 -128.95	224.80 -4.64 -119.09	193.67 -3.91 -107.75	286.03 -9.04 -103.07	216.71 -7.73 -72.81	133.59 -6.49 -10.39	117.48 -5.03 -1.02
STILLWATER___SOLAR 323814	80.88 5.20 0.00	131.43 8.41 0.00	67.99 4.20 0.00	127.75 7.63 0.00	80.22 3.95 -14.16	98.87 1.29 -77.31	155.30 2.09 -123.69	430.25 3.31 -381.81	1180.32 2.59 -1141.65	605.43 2.09 -573.03	219.89 3.61 -163.31	168.57 5.79 -75.63	211.80 12.56 0.00	156.58 8.85 0.00	142.81 8.90 0.00	143.24 8.63 0.00	110.86 7.50 0.00	287.85 16.44 -60.69	334.30 8.69 -215.25	257.89 6.96 -161.11	205.91 13.91 0.00	162.68 11.06 0.00	138.55 8.86 0.00	141.27 8.69 -11.08
STONY___BROOK 24151	93.61 6.65 -11.28	132.81 9.78 0.00	68.38 4.58 0.00	128.01 7.89 0.00	67.38 3.96 -1.31	32.16 1.63 -10.27	47.85 2.53 -15.80	112.88 4.23 -63.53	145.10 3.10 -105.91	86.02 2.55 -53.16	72.59 4.47 -15.15	100.83 6.67 -7.02	214.19 14.95 0.00	158.42 10.70 0.00	144.94 11.03 0.00	145.72 11.17 0.06	114.66 10.70 -0.59	279.31 20.33 -48.25	274.04 11.43 -152.25	223.50 8.72 -124.96	210.57 18.56 0.00	165.64 14.01 0.00	140.91 11.23 0.00	136.94 10.93 -4.52
STURGEON_POOL_HYD 23609	79.80 4.12 0.00	129.04 6.02 0.00	66.66 2.87 0.00	124.99 4.87 0.00	66.93 2.60 -2.22	33.39 0.97 -12.14	50.53 1.59 -19.43	134.17 2.67 -86.38	217.65 2.02 -179.54	121.98 1.55 -90.12	81.29 2.63 -25.68	103.45 4.41 -11.89	209.03 9.79 0.00	155.11 7.38 0.00	141.10 7.18 0.00	141.82 7.27 0.06	110.09 6.73 0.00	274.25 14.08 -49.45	275.12 7.55 -157.21	224.07 5.99 -128.24	204.02 12.01 0.00	160.99 9.36 0.00	136.99 7.30 0.00	133.37 6.97 -4.91
ST_LAW_115_BK7_LBMP 345037	75.06 -0.62 0.00	122.15 -0.87 0.00	63.54 -0.25 0.00	120.24 0.12 0.00	62.12 0.02 0.00	20.14 -0.13 0.00	29.24 -0.27 0.00	44.68 -0.44 0.00	35.80 -0.28 0.00	30.23 -0.08 0.00	52.92 -0.05 0.00	86.71 -0.44 0.00	199.32 0.08 0.00	147.96 0.24 0.00	133.49 -0.42 0.00	134.41 -0.19 0.00	101.97 -1.39 0.00	207.33 -3.40 0.00	108.12 -2.24 0.00	88.15 -1.67 0.00	189.46 -2.55 0.00	149.73 -1.89 0.00	128.44 -1.25 0.00	119.75 -1.74 0.00

ST_LAW_115_BK8_LBMP 345038	75.06 -0.62 0.00	122.15 -0.87 0.00	63.54 -0.25 0.00	120.24 0.12 0.00	62.12 0.02 0.00	20.14 -0.13 0.00	29.24 -0.27 0.00	44.68 -0.44 0.00	35.80 -0.28 0.00	30.23 -0.08 0.00	52.92 -0.05 0.00	86.71 -0.44 0.00	199.32 0.08 0.00	147.96 0.24 0.00	133.49 -0.42 0.00	134.41 -0.19 0.00	101.97 -1.39 0.00	207.33 -3.40 0.00	108.12 -2.24 0.00	88.15 -1.67 0.00	189.46 -2.55 0.00	149.73 -1.89 0.00	128.44 -1.25 0.00	119.75 -1.74 0.00
ST_LAW_230_BK5_LBMP 345035	75.06 -0.62 0.00	122.14 -0.89 0.00	63.51 -0.28 0.00	120.19 0.06 0.00	62.10 -0.01 0.00	20.14 -0.13 0.00	29.25 -0.27 0.00	44.68 -0.44 0.00	35.81 -0.28 0.00	30.22 -0.09 0.00	52.90 -0.07 0.00	86.71 -0.44 0.00	199.29 0.05 0.00	147.87 0.15 0.00	133.48 -0.44 0.00	134.40 -0.20 0.00	102.05 -1.31 0.00	207.52 -3.20 0.00	108.22 -2.14 0.00	88.22 -1.61 0.00	189.56 -2.45 0.00	149.79 -1.84 0.00	128.45 -1.24 0.00	119.82 -1.67 0.00
ST_LAW_230_BK6_LBMP 345036	75.06 -0.62 0.00	122.14 -0.89 0.00	63.51 -0.28 0.00	120.19 0.06 0.00	62.10 -0.01 0.00	20.14 -0.13 0.00	29.25 -0.27 0.00	44.68 -0.44 0.00	35.81 -0.28 0.00	30.22 -0.09 0.00	52.90 -0.07 0.00	86.71 -0.44 0.00	199.29 0.05 0.00	147.87 0.15 0.00	133.48 -0.44 0.00	134.40 -0.20 0.00	102.05 -1.31 0.00	207.52 -3.20 0.00	108.22 -2.14 0.00	88.22 -1.61 0.00	189.56 -2.45 0.00	149.79 -1.84 0.00	128.45 -1.24 0.00	119.82 -1.67 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	79.38 3.70 0.00	128.32 5.29 0.00	66.29 2.50 0.00	124.26 4.14 0.00	65.54 2.21 -1.22	27.83 0.89 -6.67	41.63 1.45 -10.67	106.79 2.45 -59.22	136.41 1.86 -98.46	81.19 1.45 -49.42	69.53 2.48 -14.08	97.64 3.97 -6.53	207.93 8.69 0.00	154.29 6.56 0.00	140.49 6.58 0.00	141.04 6.50 0.06	109.39 6.03 0.00	268.49 12.67 -45.10	259.48 6.84 -142.28	211.99 5.39 -116.78	202.65 10.64 0.00	159.87 8.24 0.00	136.12 6.43 0.00	131.99 6.28 -4.22
SWANROAD_115KV_TB1 355699	35.51 -7.96 32.21	67.97 -12.89 42.17	54.40 -7.07 2.32	97.26 -13.10 9.76	52.31 -6.67 3.13	12.49 -1.98 5.80	19.19 -3.16 7.16	34.93 -5.27 4.93	20.09 -4.51 11.48	11.37 -4.03 14.91	30.47 -7.43 15.07	58.04 -12.49 16.62	108.15 -28.78 62.30	91.96 -20.85 34.91	79.00 -19.34 35.57	73.23 -20.48 40.90	60.06 -15.09 28.22	148.70 -27.34 34.68	86.61 -14.13 9.62	67.76 -12.23 9.83	129.75 -25.05 37.20	106.33 -19.47 25.83	111.33 -14.65 3.70	108.91 -13.18 -0.60
SYNERGY___BIOGAS 323694	44.02 -4.17 27.49	80.14 -6.89 36.00	57.88 -3.93 1.98	104.59 -7.21 8.33	55.94 -3.50 2.67	14.38 -0.95 4.95	21.89 -1.51 6.11	39.94 -2.52 2.66	25.78 -2.18 8.13	16.33 -2.09 11.90	37.08 -3.99 11.90	68.73 -6.61 11.82	133.56 -15.74 49.93	112.58 -11.33 23.81	99.38 -10.50 24.03	96.58 -11.21 26.81	76.64 -7.67 19.05	177.06 -12.62 21.04	103.32 -6.46 0.58	82.38 -5.86 1.59	156.07 -11.34 24.59	125.16 -9.39 17.07	120.24 -7.01 2.44	115.64 -6.40 -0.55
SYRACUSE___ENERGY_ST1 323597	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
SYRACUSE___ENERGY_ST2 323598	74.53 -1.15 0.00	121.03 -2.00 0.00	62.71 -1.08 0.00	117.81 -2.31 0.00	60.92 -1.19 0.00	20.00 -0.28 0.00	29.11 -0.40 0.00	47.69 -0.67 -3.24	35.58 -0.50 0.00	29.83 -0.48 0.00	51.96 -1.01 0.00	85.45 -1.70 0.00	195.19 -4.04 0.00	144.78 -2.94 0.00	131.59 -2.32 0.00	132.15 -2.45 0.00	101.88 -1.48 0.00	213.32 -2.30 -4.90	124.02 -0.98 -14.65	101.43 -0.95 -12.55	189.59 -2.42 0.00	149.52 -2.11 0.00	127.72 -1.96 0.00	120.26 -1.63 -0.40
SYRACUSE___POWER 24017	83.62 -1.15 -9.09	133.22 -1.99 -12.18	63.35 -1.11 -0.67	120.50 -2.31 -2.69	61.82 -1.15 -0.86	21.61 -0.27 -1.60	31.12 -0.36 -1.97	48.81 -0.62 -4.31	36.45 -0.45 -0.82	32.87 -0.43 -2.99	54.82 -0.95 -2.80	86.79 -1.56 -1.20	208.21 -3.69 -12.66	146.05 -2.68 -1.01	132.50 -2.12 -0.70	132.36 -2.27 -0.02	102.63 -1.33 -0.60	213.75 -2.08 -5.11	125.02 -0.87 -15.54	102.06 -0.86 -13.09	189.79 -2.27 -0.06	149.67 -1.96 0.00	127.85 -1.84 0.00	120.36 -1.55 -0.42
TALLMAN___138KV_BK151 55660	79.65 3.98 0.00	128.67 5.64 0.00	66.45 2.66 0.00	124.53 4.41 0.00	65.71 2.35 -1.25	28.09 0.97 -6.85	42.04 1.57 -10.96	108.59 2.65 -60.81	139.25 2.01 -101.15	82.69 1.60 -50.77	70.18 2.74 -14.47	98.18 4.32 -6.70	208.75 9.52 0.00	154.91 7.19 0.00	141.08 7.16 0.00	141.62 7.08 0.06	109.88 6.52 0.00	270.55 13.53 -46.30	263.73 7.30 -146.07	215.49 5.78 -119.89	203.41 11.40 0.00	160.50 8.87 0.00	136.59 6.91 0.00	132.57 6.74 -4.33
TEALLAVE_115KV_TB7 355573	74.07 -1.61 0.00	120.32 -2.71 0.00	62.30 -1.49 0.00	117.09 -3.03 0.00	60.58 -1.52 0.00	19.89 -0.38 0.00	28.97 -0.54 0.00	47.04 -0.90 -2.82	35.41 -0.67 0.00	29.69 -0.62 0.00	51.70 -1.27 0.00	85.06 -2.09 0.00	194.25 -4.99 0.00	144.06 -3.66 0.00	130.88 -3.03 0.00	131.38 -3.22 0.00	101.30 -2.07 0.00	211.36 -3.63 -4.26	121.42 -1.68 -12.74	99.18 -1.56 -10.92	188.35 -3.65 0.00	148.57 -3.06 0.00	126.94 -2.74 0.00	119.44 -2.40 -0.35
TELGRAPH_34_KV_EAST 80808	39.94 -6.23 29.51	74.31 -10.08 38.63	56.01 -5.66 2.12	100.93 -10.25 8.94	54.11 -5.13 2.87	13.49 -1.47 5.31	20.60 -2.35 6.56	37.40 -3.99 3.74	22.95 -3.42 9.70	13.96 -3.10 13.26	33.84 -5.76 13.36	63.43 -9.63 14.08	121.35 -22.34 55.54	102.39 -16.22 29.11	89.48 -14.88 29.55	85.37 -15.75 33.48	68.50 -11.45 23.41	163.00 -20.13 27.59	95.02 -10.34 5.00	75.10 -9.13 5.60	142.76 -18.65 30.59	115.70 -14.68 21.25	115.61 -11.04 3.04	112.10 -9.97 -0.57
TEMPLE___115KV_TB 2 55572	74.10 -1.58 0.00	120.42 -2.61 0.00	62.33 -1.46 0.00	117.09 -3.03 0.00	60.61 -1.49 0.00	19.90 -0.38 0.00	28.99 -0.52 0.00	47.08 -0.90 -2.86	35.42 -0.66 0.00	29.70 -0.61 0.00	51.71 -1.26 0.00	85.09 -2.06 0.00	194.31 -4.92 0.00	144.13 -3.59 0.00	130.97 -2.95 0.00	131.47 -3.13 0.00	101.33 -2.04 0.00	211.56 -3.48 -4.32	121.64 -1.64 -12.92	99.40 -1.49 -11.07	188.41 -3.60 0.00	148.64 -2.98 0.00	127.00 -2.68 0.00	119.53 -2.32 -0.35
TIANA____69_KV_BK 1 55817	94.10 7.14 -11.28	133.23 10.20 0.00	68.43 4.64 0.00	128.09 7.96 0.00	67.16 3.74 -1.31	32.13 1.60 -10.27	47.87 2.56 -15.80	113.06 4.41 -63.53	145.18 3.18 -105.91	85.95 2.47 -53.16	72.51 4.39 -15.15	100.53 6.36 -7.02	212.82 13.59 0.00	157.64 9.92 0.00	144.82 10.90 0.00	145.71 11.17 0.06	114.75 10.79 -0.59	280.19 21.22 -48.25	274.73 12.12 -152.25	224.05 9.27 -124.96	211.39 19.38 0.00	166.03 14.40 0.00	141.21 11.52 0.00	137.21 11.20 -4.52
TILDEN___115KV_TB1 80814	83.62 -1.15 -9.09	133.22 -1.99 -12.18	63.35 -1.11 -0.67	120.50 -2.31 -2.69	61.82 -1.15 -0.86	21.61 -0.27 -1.60	31.12 -0.36 -1.97	48.81 -0.62 -4.31	36.45 -0.45 -0.82	32.87 -0.43 -2.99	54.82 -0.95 -2.80	86.79 -1.56 -1.20	208.21 -3.69 -12.66	146.05 -2.68 -1.01	132.50 -2.12 -0.70	132.36 -2.27 -0.02	102.63 -1.33 -0.60	213.75 -2.08 -5.11	125.02 -0.87 -15.54	102.06 -0.86 -13.09	189.79 -2.27 -0.06	149.67 -1.96 0.00	127.85 -1.84 0.00	120.36 -1.55 -0.42

TRIGEN___CC 323695	92.31 5.35 -11.28	130.81 7.78 0.00	67.47 3.68 0.00	126.36 6.23 0.00	66.70 3.28 -1.31	31.85 1.31 -10.27	47.39 2.07 -15.80	112.09 3.44 -63.53	144.59 2.59 -105.91	85.60 2.13 -53.16	71.84 3.73 -15.15	99.88 5.71 -7.02	211.96 12.72 0.00	157.17 9.45 0.00	143.26 9.34 0.00	143.77 9.23 0.06	112.70 8.75 -0.59	276.09 17.11 -48.25	272.01 9.40 -152.25	222.03 7.25 -124.96	206.99 14.98 0.00	163.03 11.39 0.00	138.67 8.98 0.00	134.81 8.80 -4.52
TRINITY___115KV___4 BK 55933	78.54 2.86 0.00	127.78 4.75 0.00	66.13 2.33 0.00	124.07 3.95 0.00	72.82 1.99 -8.73	68.54 0.63 -47.64	106.59 0.85 -76.23	296.16 1.39 -249.65	740.67 1.06 -703.53	384.33 0.89 -353.13	155.16 1.55 -100.64	136.41 2.81 -46.45	204.93 5.69 0.00	151.55 3.82 0.00	137.31 3.39 0.00	137.47 2.87 0.00	106.32 2.96 0.00	275.81 6.10 -58.98	310.57 3.30 -196.92	246.95 2.58 -154.55	196.82 4.81 0.00	155.70 4.07 0.00	133.58 3.89 0.00	134.33 4.86 -7.98
UNION___PROCESSING_DRP 323587	50.98 -3.87 20.82	89.42 -6.33 27.28	58.79 -3.50 1.50	107.14 -6.68 6.31	56.84 -3.25 2.02	15.63 -0.90 3.75	23.49 -1.40 4.62	44.39 -2.43 -1.71	32.16 -2.05 1.87	21.60 -1.86 6.85	43.09 -3.48 6.40	78.55 -5.83 2.77	156.55 -13.46 29.23	135.45 -9.95 2.32	123.30 -9.02 1.60	125.21 -9.54 -0.14	95.21 -6.77 1.38	205.07 -11.57 -5.91	121.57 -5.85 -17.07	99.77 -5.21 -15.15	180.97 -10.89 0.14	142.91 -8.73 0.00	122.91 -6.78 0.00	116.04 -5.93 -0.48
UPPER HUDSON___HYD 24058	82.24 6.56 0.00	133.68 10.65 0.00	69.15 5.36 0.00	129.98 9.86 0.00	82.00 5.10 -14.79	102.68 1.68 -80.72	161.49 2.83 -129.15	446.56 4.32 -397.11	1231.49 3.43 -1191.97	631.40 2.79 -598.29	228.30 4.82 -170.51	173.64 7.52 -78.97	215.55 16.31 0.00	159.10 11.37 0.00	145.14 11.23 0.00	145.63 11.03 0.00	112.90 9.54 0.00	292.73 20.98 -61.03	339.02 11.09 -217.57	260.93 8.89 -162.21	209.75 17.75 0.00	166.01 14.38 0.00	141.07 11.39 0.00	144.01 11.12 -11.40
UPPER RAQUET___HYD 24056	76.09 0.42 0.00	123.79 0.77 0.00	64.22 0.43 0.00	121.79 1.67 0.00	62.62 0.52 0.00	20.10 -0.18 0.00	29.23 -0.28 0.00	44.67 -0.45 0.00	35.85 -0.23 0.00	30.54 0.23 0.00	53.34 0.37 0.00	87.14 -0.01 0.00	200.54 1.31 0.00	148.71 0.99 0.00	134.21 0.29 0.00	134.13 -0.48 0.00	101.46 -1.90 0.00	206.80 -3.92 0.00	107.82 -2.54 0.00	88.03 -1.80 0.00	189.64 -2.36 0.00	150.35 -1.28 0.00	129.53 -0.16 0.00	121.09 -0.40 0.00
VALLEY44_115KV_TB2 355964	25.55 -4.74 45.38	56.01 -7.61 59.41	55.93 -4.59 3.27	98.07 -8.30 13.75	53.34 -4.36 4.41	10.83 -1.27 8.17	17.40 -2.03 10.08	39.48 -3.35 2.29	24.68 -2.72 8.68	10.50 -2.53 17.28	32.03 -4.14 16.80	68.11 -6.35 12.69	112.60 -13.56 73.07	116.95 -9.61 21.16	104.41 -8.81 20.70	102.31 -9.51 22.79	81.73 -6.83 14.79	184.45 -12.63 13.64	113.27 -6.86 -9.78	91.24 -6.20 -7.61	160.57 -11.28 20.15	129.48 -8.26 13.89	121.71 -6.00 1.98	117.23 -4.99 -0.73
VALLEY___115KV_TB 1-4 80826	78.57 2.90 0.00	128.22 5.19 0.00	66.41 2.62 0.00	124.51 4.38 0.00	64.24 2.14 0.00	20.96 0.69 0.00	30.68 1.17 0.00	47.27 2.15 0.00	37.69 1.61 0.00	31.19 0.88 0.00	54.35 1.38 0.00	89.55 2.40 0.00	203.25 4.01 0.00	151.14 3.42 0.00	137.56 3.64 0.00	137.74 3.14 0.00	107.16 3.80 0.00	219.59 8.86 0.00	115.26 4.91 0.00	93.64 3.81 0.00	199.02 7.01 0.00	156.70 5.07 0.00	134.15 4.46 0.00	126.45 4.96 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	80.43 4.75 0.00	130.71 7.68 0.00	67.56 3.77 0.00	126.84 6.72 0.00	67.43 3.36 -1.96	32.13 1.15 -10.71	48.40 1.76 -17.13	108.98 2.76 -61.10	196.44 2.21 -158.14	111.45 1.75 -79.38	78.43 2.85 -22.62	102.47 4.84 -10.48	210.07 10.83 0.00	156.21 8.49 0.00	142.15 8.23 0.00	142.72 8.32 0.20	109.95 6.60 0.01	245.30 13.71 -20.87	187.69 8.04 -69.30	150.89 6.46 -54.60	205.18 13.18 0.00	161.86 10.23 0.00	137.96 8.28 0.00	132.00 7.94 -2.57
VISCHER___FERRY HYD 24020	79.77 4.09 0.00	129.57 6.55 0.00	67.05 3.26 0.00	125.89 5.77 0.00	77.32 2.97 -12.24	88.04 0.94 -66.83	137.94 1.50 -106.93	382.44 2.44 -334.87	1024.83 1.88 -986.87	527.18 1.53 -495.34	196.82 2.69 -141.17	156.95 4.44 -65.36	209.14 9.91 0.00	154.76 7.03 0.00	140.84 6.92 0.00	141.12 6.52 0.00	109.03 5.67 0.00	282.79 12.32 -59.74	325.39 6.59 -208.44	253.11 5.25 -158.03	202.28 10.28 0.00	159.74 8.11 0.00	136.34 6.65 0.00	138.41 6.80 -10.12
V_A_10_SYNC_DSASP 323832	43.10 -6.45 26.13	78.31 -10.51 34.20	56.19 -5.72 1.88	101.45 -10.76 7.92	54.21 -5.36 2.54	13.96 -1.60 4.71	21.16 -2.54 5.81	38.37 -4.25 2.51	24.60 -3.61 7.87	15.62 -3.29 11.40	35.57 -5.93 11.47	65.81 -9.87 11.47	128.61 -22.72 47.90	108.07 -16.38 23.27	94.99 -15.41 23.52	94.23 -16.29 24.09	73.22 -11.70 18.44	168.47 -21.69 20.56	98.79 -11.25 0.32	78.98 -9.57 1.27	148.68 -19.33 23.99	119.77 -15.17 16.69	115.65 -11.65 2.38	111.85 -10.18 -0.54
V_CMM_10_SYNC_DSASP 323787	75.33 -0.35 0.00	122.62 -0.41 0.00	63.75 -0.04 0.00	120.66 0.54 0.00	62.33 0.23 0.00	20.21 -0.06 0.00	29.40 -0.11 0.00	44.91 -0.21 0.00	35.99 -0.10 0.00	30.39 0.08 0.00	53.17 0.20 0.00	86.87 -0.28 0.00	199.66 0.42 0.00	148.12 0.40 0.00	133.66 -0.26 0.00	134.58 -0.02 0.00	102.11 -1.25 0.00	207.61 -3.12 0.00	108.30 -2.05 0.00	88.30 -1.52 0.00	189.75 -2.26 0.00	149.90 -1.73 0.00	128.59 -1.10 0.00	119.94 -1.55 0.00
V_CMP_10_SYNC_DSASP 323788	76.99 1.31 0.00	125.13 2.10 0.00	64.96 1.18 0.00	123.27 3.15 0.00	63.54 1.44 0.00	20.58 0.30 0.00	29.91 0.40 0.00	45.64 0.51 0.00	36.63 0.54 0.00	31.03 0.71 0.00	54.10 1.14 0.00	87.94 0.79 0.00	200.47 1.23 0.00	149.17 1.45 0.00	135.45 1.54 0.00	135.58 0.98 0.00	102.64 -0.73 0.00	208.33 -2.40 0.00	109.20 -1.16 0.00	88.84 -0.98 0.00	191.27 -0.74 0.00	151.06 -0.57 0.00	128.65 -1.04 0.00	119.55 -1.94 0.00
V_D_10_SYNC_DSASP 323841	75.89 0.21 0.00	123.49 0.46 0.00	64.18 0.39 0.00	121.51 1.39 0.00	62.74 0.63 0.00	20.32 0.05 0.00	29.51 0.00 0.00	45.09 -0.04 0.00	36.13 0.05 0.00	30.56 0.25 0.00	53.41 0.44 0.00	87.49 0.34 0.00	201.24 2.01 0.00	149.40 1.68 0.00	134.80 0.88 0.00	135.58 0.98 0.00	102.86 -0.50 0.00	209.27 -1.45 0.00	109.10 -1.25 0.00	88.92 -0.90 0.00	191.20 -0.81 0.00	151.13 -0.49 0.00	129.75 0.06 0.00	121.10 -0.39 0.00
V_E_10_SYNC_DSASP 323830	136.11 2.17 -58.26	206.16 3.67 -79.46	70.08 1.92 -4.37	140.39 3.35 -16.91	70.66 2.24 -6.31	36.21 1.04 -14.90	51.25 1.59 -20.15	86.09 2.42 -38.55	116.50 1.82 -78.60	86.92 1.21 -55.40	82.89 1.26 -28.67	105.44 3.38 -14.91	294.59 12.90 -82.45	172.12 11.23 -13.17	156.55 11.01 -11.62	155.03 12.05 -8.38	121.31 8.54 -9.40	246.14 11.30 -24.12	173.41 6.24 -56.81	139.84 4.96 -45.05	209.65 9.19 -8.46	163.76 6.48 -5.65	135.40 4.90 -0.81	127.50 4.40 -1.61
V_F_30_NSUNC___DSASP 323816	80.90 5.22 0.00	131.47 8.44 0.00	68.01 4.22 0.00	127.78 7.66 0.00	80.51 3.97 -14.43	100.34 1.30 -78.76	157.63 2.10 -126.01	436.78 3.33 -388.32	1201.73 2.60 -1163.05	616.19 2.10 -583.77	222.96 3.62 -166.37	170.05 5.85 -77.05	212.01 12.77 0.00	156.74 9.01 0.00	142.90 8.98 0.00	143.33 8.73 0.00	110.89 7.53 0.00	288.01 16.45 -60.83	335.35 8.75 -216.24	258.40 7.00 -161.58	206.02 14.02 0.00	162.73 11.11 0.00	138.58 8.89 0.00	141.46 8.75 -11.22



V_F_30_SYNC_DSASP 323786	78.80 3.12 0.00	128.16 5.14 0.00	66.32 2.53 0.00	124.46 4.34 0.00	74.49 2.18 -10.21	76.69 0.71 -55.71	119.62 0.99 -89.13	332.31 1.61 -285.58	859.93 1.23 -822.61	444.25 1.04 -412.89	172.47 1.83 -117.67	144.77 3.23 -54.39	205.85 6.61 0.00	152.20 4.48 0.00	137.99 4.08 0.00	138.14 3.54 0.00	106.87 3.51 0.00	277.44 7.24 -59.47	316.40 3.89 -202.16	249.29 3.04 -156.43	197.80 5.79 0.00	156.41 4.78 0.00	134.15 4.46 0.00	135.66 5.30 -8.87
V_XM_10_SYNC_DSASP 323789	76.99 1.31 0.00	125.13 2.10 0.00	64.96 1.18 0.00	123.27 3.15 0.00	63.54 1.44 0.00	20.58 0.30 0.00	29.91 0.40 0.00	45.64 0.51 0.00	36.63 0.54 0.00	31.03 0.71 0.00	54.10 1.14 0.00	87.94 0.79 0.00	200.47 1.23 0.00	149.17 1.45 0.00	135.45 1.54 0.00	135.58 0.98 0.00	102.64 -0.73 0.00	208.33 -2.40 0.00	109.20 -1.16 0.00	88.84 -0.98 0.00	191.27 -0.74 0.00	151.06 -0.57 0.00	128.65 -1.04 0.00	119.55 -1.94 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	79.90 4.22 0.00	129.06 6.03 0.00	66.66 2.87 0.00	124.92 4.79 0.00	65.93 2.56 -1.26	28.20 1.03 -6.89	42.20 1.66 -11.03	109.13 2.82 -61.18	140.03 2.15 -101.80	83.11 1.70 -51.10	70.46 2.93 -14.56	98.52 4.63 -6.75	209.44 10.20 0.00	155.44 7.72 0.00	141.56 7.64 0.00	142.12 7.58 0.06	110.28 6.92 0.00	271.69 14.40 -46.57	265.06 7.78 -146.93	216.57 6.15 -120.59	204.17 12.17 0.00	161.09 9.46 0.00	137.07 7.38 0.00	133.02 7.17 -4.36
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	80.46 4.78 0.00	129.86 6.83 0.00	67.04 3.25 0.00	125.53 5.40 0.00	66.37 2.95 -1.31	28.63 1.18 -7.17	42.81 1.82 -11.47	111.75 3.10 -63.54	144.42 2.41 -105.93	85.43 1.95 -53.17	71.49 3.37 -15.15	99.49 5.32 -7.02	211.03 11.79 0.00	156.72 8.99 0.00	142.81 8.90 0.00	143.36 8.82 0.06	111.27 7.91 0.00	275.28 16.30 -48.26	271.35 8.72 -152.28	221.68 6.87 -124.98	205.55 13.55 0.00	162.17 10.54 0.00	137.88 8.20 0.00	134.01 8.00 -4.52
W50THST__13_KV_LOAD 356117	80.93 5.25 0.00	130.53 7.50 0.00	67.35 3.56 0.00	126.08 5.96 0.00	66.72 3.30 -1.31	28.76 1.31 -7.17	42.94 1.96 -11.47	111.99 3.33 -63.54	144.62 2.61 -105.93	85.61 2.13 -53.17	71.79 3.68 -15.15	100.01 5.84 -7.02	212.27 13.03 0.00	157.69 9.97 0.00	143.70 9.78 0.00	144.24 9.70 0.06	111.91 8.55 0.00	276.55 17.56 -48.26	272.02 9.39 -152.28	222.14 7.34 -124.98	206.56 14.55 0.00	162.91 11.28 0.00	138.48 8.79 0.00	134.50 8.48 -4.52
WADING RIVER_IC_1 23522	93.66 6.70 -11.28	133.03 10.01 0.00	68.38 4.59 0.00	127.99 7.86 0.00	66.99 3.57 -1.31	32.08 1.54 -10.27	47.77 2.46 -15.80	112.98 4.33 -63.53	145.12 3.12 -105.91	85.85 2.38 -53.16	72.48 4.35 -15.15	100.48 6.31 -7.02	212.46 13.23 0.00	157.23 9.51 0.00	144.81 10.89 0.00	145.67 11.13 0.06	114.67 10.71 -0.59	280.02 21.05 -48.25	274.56 11.95 -152.25	223.88 9.10 -124.96	210.89 18.89 0.00	165.64 14.01 0.00	140.95 11.26 0.00	137.05 11.04 -4.52
WADING RIVER_IC_2 23547	93.66 6.70 -11.28	133.03 10.01 0.00	68.38 4.59 0.00	127.99 7.86 0.00	66.99 3.57 -1.31	32.08 1.54 -10.27	47.77 2.46 -15.80	112.98 4.33 -63.53	145.12 3.12 -105.91	85.85 2.38 -53.16	72.48 4.35 -15.15	100.48 6.31 -7.02	212.46 13.23 0.00	157.23 9.51 0.00	144.81 10.89 0.00	145.67 11.13 0.06	114.67 10.71 -0.59	280.02 21.05 -48.25	274.56 11.95 -152.25	223.88 9.10 -124.96	210.89 18.89 0.00	165.64 14.01 0.00	140.95 11.26 0.00	137.05 11.04 -4.52
WADING RIVER_IC_3 23601	93.66 6.70 -11.28	133.03 10.01 0.00	68.38 4.59 0.00	127.99 7.86 0.00	66.99 3.57 -1.31	32.08 1.54 -10.27	47.77 2.46 -15.80	112.98 4.33 -63.53	145.12 3.12 -105.91	85.85 2.38 -53.16	72.48 4.35 -15.15	100.48 6.31 -7.02	212.46 13.23 0.00	157.23 9.51 0.00	144.81 10.89 0.00	145.67 11.13 0.06	114.67 10.71 -0.59	280.02 21.05 -48.25	274.56 11.95 -152.25	223.88 9.10 -124.96	210.89 18.89 0.00	165.64 14.01 0.00	140.95 11.26 0.00	137.05 11.04 -4.52
WALDENNY_12_KV_BK2 80841	32.61 -6.20 36.88	64.67 -10.08 48.28	55.45 -5.68 2.66	98.33 -10.61 11.17	53.23 -5.29 3.58	12.11 -1.52 6.64	18.89 -2.43 8.19	34.12 -4.14 6.87	18.23 -3.52 14.34	9.45 -3.17 17.70	29.02 -5.84 18.11	56.58 -9.76 20.81	103.04 -22.24 73.95	87.22 -15.95 44.56	73.81 -14.53 45.58	67.12 -15.29 52.20	56.21 -11.17 35.99	144.93 -19.61 46.18	82.99 -10.22 17.14	64.25 -8.96 16.61	126.25 -18.04 47.72	104.45 -13.94 33.23	114.66 -10.28 4.75	113.28 -8.85 -0.64
WALDEN__HYDRO 24148	79.97 4.29 0.00	129.25 6.22 0.00	66.77 2.98 0.00	125.18 5.05 0.00	66.14 2.70 -1.33	28.60 1.05 -7.28	42.85 1.70 -11.64	110.99 2.85 -63.01	145.77 2.17 -107.51	85.94 1.66 -53.96	71.14 2.80 -15.38	98.87 4.60 -7.12	209.19 9.95 0.00	155.27 7.55 0.00	141.31 7.39 0.00	142.08 7.54 0.06	110.26 6.91 0.00	272.10 14.63 -46.75	265.86 7.94 -147.56	217.17 6.28 -121.06	204.50 12.50 0.00	161.30 9.67 0.00	137.29 7.60 0.00	133.25 7.36 -4.40
WARRENSBURG____ 23737	82.24 6.56 0.00	133.68 10.65 0.00	69.15 5.36 0.00	129.98 9.86 0.00	82.00 5.10 -14.79	102.68 1.68 -80.72	161.49 2.83 -129.15	446.56 4.32 -397.11	1231.49 3.43 -1191.97	631.40 2.79 -598.29	228.30 4.82 -170.51	173.64 7.52 -78.97	215.55 16.31 0.00	159.10 11.37 0.00	145.14 11.23 0.00	145.63 11.03 0.00	112.90 9.54 0.00	292.73 20.98 -61.03	339.02 11.09 -217.57	260.93 8.89 -162.21	209.75 17.75 0.00	166.01 14.38 0.00	141.07 11.39 0.00	144.01 11.12 -11.40
WATERSIDE____6 8 9 23538	80.45 4.77 0.00	129.73 6.71 0.00	66.96 3.17 0.00	125.23 5.11 0.00	65.55 2.74 -0.71	22.76 1.14 -1.34	39.51 1.80 -8.20	111.72 3.08 -63.52	144.35 2.37 -105.90	81.74 1.92 -49.50	68.96 3.32 -12.67	99.37 5.20 -7.02	211.01 11.78 0.01	156.66 8.93 0.00	142.71 8.79 0.00	143.29 8.75 0.06	111.07 7.71 0.00	274.74 15.74 -48.27	271.16 8.50 -152.31	221.56 6.73 -125.00	205.24 13.24 0.00	162.01 10.38 0.00	137.80 8.11 0.00	134.00 7.99 -4.52
WATKINRD_115KV_LN8_ILLION 55919	80.87 5.19 0.00	131.87 8.85 0.00	68.20 4.41 0.00	127.67 7.55 0.00	65.84 3.73 0.00	21.51 1.24 0.00	31.57 2.05 0.00	48.84 3.71 0.00	38.91 2.83 0.00	32.05 1.74 0.00	55.73 2.76 0.00	91.91 4.76 0.00	207.75 8.52 0.00	154.73 7.00 0.00	141.16 7.24 0.00	141.13 6.53 0.00	110.44 7.08 0.00	227.13 16.40 0.00	119.45 9.10 0.00	96.91 7.09 0.00	205.26 13.25 0.00	161.25 9.62 0.00	137.99 8.30 0.00	130.33 8.84 0.00
WATSON__69_KV_BK 1 55734	94.15 7.19 -11.28	133.61 10.58 0.00	68.82 5.03 0.00	128.88 8.76 0.00	67.90 4.48 -1.31	32.33 1.78 -10.27	48.09 2.77 -15.80	113.20 4.54 -63.53	145.34 3.35 -105.91	86.28 2.81 -53.16	73.03 4.91 -15.15	101.47 7.30 -7.02	215.64 16.40 0.00	159.61 11.89 0.00	145.54 11.63 0.00	146.26 11.72 0.06	115.34 11.38 -0.59	281.08 22.11 -48.25	274.79 12.18 -152.25	224.16 9.38 -124.96	212.04 20.04 0.00	166.61 14.98 0.00	141.88 12.19 0.00	137.80 11.78 -4.52
WDELAWARE__HYD 323627	78.47 2.80 0.00	126.86 3.83 0.00	65.53 1.74 0.00	122.90 2.77 0.00	65.11 1.54 -1.47	28.95 0.67 -8.01	43.48 1.16 -12.82	111.66 2.07 -64.47	155.99 1.54 -118.37	90.73 1.00 -59.41	71.60 1.70 -16.93	97.79 2.80 -7.84	204.97 5.73 0.00	151.84 4.12 0.00	137.98 4.06 0.00	139.20 4.67 0.06	108.17 4.81 0.00	265.48 10.74 -44.01	255.51 5.92 -139.23	208.55 4.70 -114.03	201.11 9.10 0.00	158.61 6.98 0.00	134.87 5.19 0.00	131.46 5.77 -4.21

WEST BABYLON___IC 23714	93.71 6.75 -11.28	132.92 9.90 0.00	68.49 4.70 0.00	128.24 8.11 0.00	67.63 4.21 -1.31	32.22 1.68 -10.27	47.93 2.61 -15.80	112.94 4.29 -63.53	145.16 3.17 -105.91	86.12 2.65 -53.16	72.74 4.63 -15.15	101.05 6.88 -7.02	214.67 15.43 0.00	159.00 11.27 0.00	144.71 10.80 0.00	145.40 10.85 0.06	114.52 10.56 -0.59	279.39 20.41 -48.25	273.88 11.28 -152.25	223.51 8.73 -124.96	210.47 18.46 0.00	165.54 13.91 0.00	141.13 11.44 0.00	137.11 11.10 -4.52
WEST CANADA___HYD 24049	76.12 0.44 0.00	123.77 0.74 0.00	64.10 0.32 0.00	120.61 0.48 0.00	62.35 0.25 0.00	20.37 0.10 0.00	29.67 0.16 0.00	45.40 0.27 0.00	36.27 0.18 0.00	30.43 0.12 0.00	53.17 0.20 0.00	87.54 0.39 0.00	199.85 0.61 0.00	148.18 0.46 0.00	134.44 0.52 0.00	135.00 0.39 0.00	103.96 0.60 0.00	212.15 1.43 0.00	111.16 0.80 0.00	90.48 0.66 0.00	193.16 1.16 0.00	152.62 0.99 0.00	130.49 0.80 0.00	122.36 0.86 0.00
WESTERN_NY_WIND 24143	43.18 -4.37 28.12	79.08 -7.12 36.82	57.69 -4.08 2.03	104.17 -7.43 8.52	55.75 -3.62 2.73	14.24 -0.97 5.06	21.72 -1.55 6.25	39.46 -2.67 3.00	25.13 -2.33 8.63	15.83 -2.16 12.32	36.43 -4.18 12.36	67.69 -6.93 12.53	131.07 -16.47 51.69	110.10 -12.14 25.47	97.29 -10.86 25.76	94.24 -11.45 28.90	74.80 -8.14 20.42	174.55 -13.08 23.09	101.76 -6.63 1.97	80.86 -6.12 2.85	153.14 -12.39 26.48	123.31 -9.94 18.38	119.70 -7.35 2.63	115.39 -6.66 -0.55
WESTOVER___LESR 323668	58.96 -1.10 15.61	104.51 -1.88 16.63	61.81 -1.07 0.91	112.14 -2.37 5.61	59.70 -1.18 1.22	19.78 -0.32 0.18	30.02 -0.42 -0.93	66.71 -0.58 -22.17	80.63 -0.45 -45.00	47.12 -0.52 -17.32	52.92 -1.03 -0.97	86.37 -1.40 -0.62	169.50 -3.69 26.04	143.29 -2.35 2.08	130.88 -1.60 1.44	132.33 -1.78 0.49	101.17 -0.93 1.27	224.91 -1.24 -15.42	158.20 -0.61 -48.45	129.25 -0.52 -39.94	190.43 -1.45 0.13	150.31 -1.32 0.00	128.41 -1.28 0.00	122.27 -0.74 -1.52
WETHRSFD_WT_PWR 323626	18.21 -7.38 50.09	45.18 -12.14 65.71	53.46 -6.72 3.61	92.23 -12.74 15.14	50.88 -6.37 4.85	9.36 -1.91 9.00	15.44 -2.96 11.12	12.89 -4.69 27.54	-10.14 -3.83 42.40	-8.69 -3.45 35.56	7.98 -6.25 38.73	15.29 -10.49 61.37	28.44 -24.29 146.51	-13.37 -16.28 144.82	-30.83 -13.74 151.00	-53.57 -13.97 174.20	-25.00 -10.05 118.31	14.02 -19.58 177.12	-13.65 -10.11 113.90	-22.13 -8.18 103.78	11.08 -17.40 163.52	23.10 -14.19 114.33	102.28 -11.08 16.32	113.20 -9.02 -0.73
WHAVSTOR_138KV_BK127 55557	79.53 3.85 0.00	128.45 5.43 0.00	66.34 2.55 0.00	124.33 4.21 0.00	65.63 2.27 -1.26	28.10 0.93 -6.90	42.06 1.51 -11.04	108.94 2.57 -61.25	139.95 1.95 -101.91	83.01 1.55 -51.15	70.19 2.64 -14.58	98.05 4.15 -6.75	208.37 9.13 0.00	154.67 6.94 0.00	140.86 6.95 0.00	141.41 6.87 0.06	109.70 6.34 0.00	270.48 13.14 -46.62	264.55 7.12 -147.07	216.15 5.62 -120.71	203.03 11.03 0.00	160.21 8.58 0.00	136.37 6.68 0.00	132.39 6.54 -4.37
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	79.53 3.85 0.00	128.45 5.43 0.00	66.34 2.55 0.00	124.33 4.21 0.00	65.63 2.27 -1.26	28.10 0.93 -6.90	42.06 1.51 -11.04	108.94 2.57 -61.25	139.95 1.95 -101.91	83.01 1.55 -51.15	70.19 2.64 -14.58	98.05 4.15 -6.75	208.37 9.13 0.00	154.67 6.94 0.00	140.86 6.95 0.00	141.41 6.87 0.06	109.70 6.34 0.00	270.48 13.14 -46.62	264.55 7.12 -147.07	216.15 5.62 -120.71	203.03 11.03 0.00	160.21 8.58 0.00	136.37 6.68 0.00	132.39 6.54 -4.37
WHITEHAL_115KV_TB1 80871	83.45 7.77 0.00	135.90 12.88 0.00	70.31 6.52 0.00	132.15 12.03 0.00	82.78 6.08 -14.59	101.86 1.96 -79.63	160.78 3.87 -127.40	443.40 6.07 -392.21	1216.35 4.43 -1175.84	624.14 3.63 -590.19	227.62 6.45 -168.20	175.11 10.07 -77.89	220.95 21.71 0.00	162.17 14.44 0.00	148.30 14.39 0.00	148.33 13.73 0.00	115.25 11.89 0.00	297.58 25.93 -60.92	340.92 13.73 -216.83	262.84 11.15 -161.86	213.61 21.61 0.00	170.05 18.42 0.00	143.79 14.10 0.00	146.85 14.06 -11.30
WHITEPLN_13_KV_LOAD 356215	80.89 5.21 0.00	130.65 7.62 0.00	67.44 3.65 0.00	126.37 6.25 0.00	66.74 3.32 -1.31	28.71 1.28 -7.16	43.01 2.05 -11.45	111.98 3.44 -63.42	144.51 2.67 -105.75	85.53 2.14 -53.08	71.76 3.66 -15.12	100.00 5.84 -7.01	212.31 13.08 0.00	157.51 9.79 0.00	143.58 9.66 0.00	144.13 9.59 0.06	111.90 8.54 0.00	276.78 17.89 -48.16	271.91 9.58 -151.97	222.09 7.54 -124.73	207.03 15.02 0.00	163.28 11.65 0.00	138.87 9.18 0.00	134.84 8.83 -4.51
WM_FLOYD_69_KV_BK2 356380	93.70 6.74 -11.28	132.98 9.95 0.00	68.43 4.64 0.00	128.10 7.97 0.00	67.27 3.85 -1.31	32.15 1.61 -10.27	47.87 2.55 -15.80	112.97 4.31 -63.53	145.13 3.13 -105.91	85.97 2.50 -53.16	72.54 4.42 -15.15	100.66 6.50 -7.02	213.33 14.09 0.00	158.01 10.29 0.00	144.88 10.96 0.00	145.70 11.16 0.06	114.74 10.78 -0.59	280.08 21.11 -48.25	274.51 11.90 -152.25	223.88 9.09 -124.96	211.13 19.12 0.00	165.81 14.18 0.00	141.08 11.39 0.00	137.03 11.02 -4.52
WOODARD___115KV_TB2 355635	74.01 -1.66 0.00	120.24 -2.78 0.00	62.27 -1.52 0.00	117.02 -3.11 0.00	60.55 -1.56 0.00	19.87 -0.40 0.00	28.94 -0.57 0.00	47.04 -0.96 -2.87	35.36 -0.73 0.00	29.66 -0.65 0.00	51.64 -1.33 0.00	84.95 -2.20 0.00	194.00 -5.24 0.00	143.88 -3.84 0.00	130.72 -3.20 0.00	131.21 -3.39 0.00	101.14 -2.22 0.00	211.18 -3.89 -4.35	121.51 -1.85 -13.00	99.32 -1.65 -11.14	188.16 -3.84 0.00	148.42 -3.21 0.00	126.83 -2.86 0.00	119.33 -2.52 -0.35
YORK___WARBASSE 23770	80.65 4.97 0.00	129.94 6.91 0.00	67.20 3.41 0.00	125.61 5.48 0.00	69.37 2.97 -4.30	57.34 1.26 -35.80	59.00 1.93 -27.55	112.04 3.22 -63.69	144.71 2.44 -106.19	103.51 1.98 -71.21	83.73 3.42 -27.34	99.53 5.35 -7.03	211.33 12.03 -0.06	156.92 9.20 0.00	142.94 9.03 0.00	143.55 9.01 0.06	110.99 7.63 0.00	274.05 15.05 -48.27	270.86 8.20 -152.31	221.40 6.57 -125.00	205.06 13.05 0.00	162.26 10.63 0.00	138.06 8.38 0.00	134.53 8.52 -4.52