

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

01/24/2025

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	142.52	149.10	166.53	169.39	170.46	163.84	263.21	277.59	233.28	194.86	165.62	159.11	148.18	153.24	152.28	147.44	153.08	196.71	182.45	160.40	181.92	167.41	167.14	171.39
24138	4.30	11.18	12.30	12.03	12.26	12.93	18.81	20.11	17.99	17.11	8.46	9.03	12.64	13.81	10.04	13.27	14.30	17.41	12.06	7.73	16.14	10.82	10.48	14.27
	-88.47	0.00	0.00	0.00	-11.21	0.00	0.00	0.00	0.00	0.00	-74.59	-61.89	-12.33	-5.85	-43.81	-4.89	0.00	-4.30	-49.11	-74.37	-4.44	-46.78	-48.50	0.00
74TH STREET_GT_1	142.64	149.46	166.88	169.79	170.74	164.09	263.55	277.95	233.65	195.00	165.61	159.08	148.09	153.07	152.22	147.32	152.92	196.34	182.30	160.46	182.07	167.64	167.40	171.71
24260	4.41	11.54	12.65	12.43	12.54	13.18	19.16	20.47	18.35	17.24	8.44	8.98	12.55	13.63	9.98	13.15	14.14	17.04	11.90	7.78	16.29	11.03	10.73	14.58
	-88.49	0.00	0.00	0.00	-11.21	0.00	0.00	0.00	0.00	0.00	-74.60	-61.90	-12.33	-5.85	-43.82	-4.90	0.00	-4.30	-49.12	-74.38	-4.44	-46.79	-48.51	0.00
74TH STREET_GT_2	142.64	149.46	166.88	169.79	170.74	164.09	263.55	277.95	233.65	195.00	165.61	159.08	148.09	153.07	152.22	147.32	152.92	196.34	182.30	160.46	182.07	167.64	167.40	171.71
24261	4.41	11.54	12.65	12.43	12.54	13.18	19.16	20.47	18.35	17.24	8.44	8.98	12.55	13.63	9.98	13.15	14.14	17.04	11.90	7.78	16.29	11.03	10.73	14.58
	-88.49	0.00	0.00	0.00	-11.21	0.00	0.00	0.00	0.00	0.00	-74.60	-61.90	-12.33	-5.85	-43.82	-4.90	0.00	-4.30	-49.12	-74.38	-4.44	-46.79	-48.51	0.00
ADK HUDSON___FALLS	165.16	150.45	168.27	170.78	174.54	165.37	266.68	281.20	236.41	194.05	183.75	173.40	148.91	152.60	162.11	147.05	152.10	197.98	195.51	179.83	181.99	179.23	179.67	172.14
24011	4.60	12.53	14.04	13.42	13.41	14.45	22.29	23.72	21.11	16.29	7.10	7.14	10.17	11.65	8.47	11.61	13.32	17.54	12.14	7.52	15.04	10.29	10.22	15.02
	-110.83	0.00	0.00	0.00	-14.15	0.00	0.00	0.00	0.00	0.00	-94.07	-78.06	-15.54	-7.37	-55.21	-6.17	0.00	-5.43	-62.09	-94.01	-5.61	-59.12	-61.29	0.00
ADK RESOURCE___RCVRY	165.69	151.74	169.64	172.01	175.86	166.88	269.05	283.22	238.45	195.44	184.36	173.83	149.50	153.34	162.60	147.70	153.06	199.34	196.58	180.51	182.98	180.04	180.59	173.59
23798	5.04	13.81	15.41	14.65	14.72	15.97	24.66	25.74	23.16	17.68	7.61	7.49	10.74	12.39	8.91	12.25	14.28	18.90	13.15	8.10	16.02	11.04	11.08	16.47
	-110.90	0.00	0.00	0.00	-14.16	0.00	0.00	0.00	0.00	0.00	-94.17	-78.14	-15.55	-7.37	-55.26	-6.18	0.00	-5.44	-62.16	-94.11	-5.62	-59.18	-61.35	0.00
ADK S GLENS___FALLS	165.16	150.45	168.27	170.78	174.54	165.37	266.68	281.20	236.41	194.05	183.75	173.40	148.91	152.60	162.11	147.05	152.10	197.98	195.51	179.83	181.99	179.23	179.67	172.14
24028	4.60	12.53	14.04	13.42	13.41	14.45	22.29	23.72	21.11	16.29	7.10	7.14	10.17	11.65	8.47	11.61	13.32	17.54	12.14	7.52	15.04	10.29	10.22	15.02
	-110.83	0.00	0.00	0.00	-14.15	0.00	0.00	0.00	0.00	0.00	-94.07	-78.06	-15.54	-7.37	-55.21	-6.17	0.00	-5.43	-62.09	-94.01	-5.61	-59.12	-61.29	0.00
ADK_NYS___DAM	160.43	148.17	165.59	168.05	171.71	162.58	260.16	274.22	230.21	190.84	180.09	170.14	147.22	150.67	158.98	144.74	148.01	192.54	189.79	174.28	177.68	174.60	175.29	169.01
23527	3.80	10.25	11.36	10.69	11.08	11.66	15.77	16.74	14.91	13.09	6.77	6.65	9.02	9.98	7.26	9.52	9.23	12.29	8.54	5.19	10.92	7.69	7.94	11.89
	-106.89	0.00	0.00	0.00	-13.64	0.00	0.00	0.00	0.00	0.00	-90.75	-75.30	-15.00	-7.11	-53.30	-5.96	0.00	-5.25	-59.97	-90.80	-5.42	-57.10	-59.19	0.00
AIR_PRODUCTS___DRP	158.83	142.89	159.76	162.48	166.06	156.28	251.24	264.59	221.41	183.70	176.41	166.72	142.68	145.53	155.46	139.80	143.39	185.68	185.09	171.61	171.55	170.38	170.71	161.99
24190	1.83	4.96	5.54	5.12	5.38	5.37	6.85	7.11	6.12	5.95	2.77	2.96	4.42	4.81	3.55	4.55	4.61	5.42	3.71	2.32	4.78	3.35	3.23	4.86
	-107.25	0.00	0.00	0.00	-13.69	0.00	0.00	0.00	0.00	0.00	-91.07	-75.56	-15.06	-7.14	-53.49	-5.98	0.00	-5.26	-60.09	-90.99	-5.43	-57.22	-59.32	0.00
AKWESSNE_115KV_BK	48.64	135.14	151.18	155.30	144.31	147.84	241.37	253.74	211.18	173.16	80.03	85.33	119.19	128.84	94.71	124.74	134.20	169.49	117.46	75.94	156.46	106.64	105.14	153.27
355683	-1.10	-2.79	-3.05	-2.06	-2.67	-3.08	-3.02	-3.74	-4.11	-4.59	-2.54	-2.86	-4.01	-4.74	-3.71	-4.53	-4.58	-5.51	-3.82	-2.36	-4.88	-3.18	-3.02	-3.86
	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	157.67	145.10	162.41	165.11	168.16	158.76	255.55	269.11	224.83	185.52	175.53	166.42	143.50	146.69	155.55	141.17	145.48	188.57	186.07	171.33	174.29	171.25	171.52	164.58
323833	2.60	7.17	8.18	7.75	7.73	7.84	11.16	11.63	9.54	7.77	3.49	3.99	5.50	6.09	4.57	6.03	6.70	8.40	5.77	3.66	7.61	5.23	5.10	7.46
	-105.32	0.00	0.00	0.00	-13.45	0.00	0.00	0.00	0.00	0.00	-89.47	-74.24	-14.79	-7.01	-52.55	-5.87	0.00	-5.16	-59.02	-89.37	-5.34	-56.20	-58.26	0.00
ALBANY_2_SOLAR	157.66	145.07	162.37	165.04	168.14	158.71	255.53	269.03	224.72	185.51	175.53	166.41	143.47	146.67	155.53	141.14	145.46	188.55	186.04	171.31	174.22	171.23	171.51	164.55
323834	2.58	7.14	8.14	7.68	7.71	7.79	11.14	11.55	9.43	7.75	3.48	3.98	5.47	6.08	4.56	6.00	6.69	8.39	5.74	3.63	7.54	5.21	5.08	7.43
	-105.33	0.00	0.00	0.00	-13.45	0.00	0.00	0.00	0.00	0.00	-89.48	-74.25	-14.79	-7.01	-52.55	-5.87	0.00	-5.16	-59.03	-89.38	-5.34	-56.20	-58.27	0.00
ALBANY___1	158.83	142.89	159.76	162.48	166.06	156.28	251.24	264.59	221.41	183.70	176.41	166.72	142.68	145.53	155.46	139.80	143.39	185.68	185.09	171.61	171.55	170.38	170.71	161.99
23571	1.83	4.96	5.54	5.12	5.38	5.37	6.85	7.11	6.12	5.95	2.77	2.96	4.42	4.81	3.55	4.55	4.61	5.42	3.71	2.32	4.78	3.35	3.23	4.86
	-107.25	0.00	0.00	0.00	-13.69	0.00	0.00	0.00	0.00	0.00	-91.07	-75.56	-15.06	-7.14	-53.49	-5.98	0.00	-5.26	-60.09	-90.99	-5.43	-57.22	-59.32	0.00

ALBANY___2 23572	158.83 1.83 -107.25	142.89 4.96 0.00	159.76 5.54 0.00	162.48 5.12 0.00	166.06 5.38 -13.69	156.28 5.37 0.00	251.24 6.85 0.00	264.59 7.11 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.41 2.77 -91.07	166.72 2.96 -75.56	142.68 4.42 -15.06	145.53 4.81 -7.14	155.46 3.55 -53.49	139.80 4.55 -5.98	143.39 4.61 0.00	185.68 5.42 -5.26	185.09 3.71 -60.09	171.61 2.32 -90.99	171.55 4.78 -5.43	170.38 3.35 -57.22	170.71 3.23 -59.32	161.99 4.86 0.00
ALBANY___3 23573	158.83 1.83 -107.25	142.89 4.96 0.00	159.76 5.54 0.00	162.48 5.12 0.00	166.06 5.38 -13.69	156.28 5.37 0.00	251.24 6.85 0.00	264.59 7.11 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.41 2.77 -91.07	166.72 2.96 -75.56	142.68 4.42 -15.06	145.53 4.81 -7.14	155.46 3.55 -53.49	139.80 4.55 -5.98	143.39 4.61 0.00	185.68 5.42 -5.26	185.09 3.71 -60.09	171.61 2.32 -90.99	171.55 4.78 -5.43	170.38 3.35 -57.22	170.71 3.23 -59.32	161.99 4.86 0.00
ALBANY___4 23574	158.83 1.83 -107.25	142.89 4.96 0.00	159.76 5.54 0.00	162.48 5.12 0.00	166.06 5.38 -13.69	156.28 5.37 0.00	251.24 6.85 0.00	264.59 7.11 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.41 2.77 -91.07	166.72 2.96 -75.56	142.68 4.42 -15.06	145.53 4.81 -7.14	155.46 3.55 -53.49	139.80 4.55 -5.98	143.39 4.61 0.00	185.68 5.42 -5.26	185.09 3.71 -60.09	171.61 2.32 -90.99	171.55 4.78 -5.43	170.38 3.35 -57.22	170.71 3.23 -59.32	161.99 4.86 0.00
ALBANY___LFGE 323615	160.33 2.32 -108.27	144.24 6.31 0.00	161.25 7.02 0.00	164.04 6.68 0.00	167.65 6.85 -13.82	157.82 6.91 0.00	253.93 9.54 0.00	267.55 10.07 0.00	223.93 8.64 0.00	185.74 7.99 0.00	178.28 3.76 -91.94	168.53 4.04 -76.29	144.22 5.82 -15.20	147.17 6.38 -7.21	157.14 4.72 -54.00	141.40 6.10 -6.03	145.10 6.31 0.00	188.02 7.71 -5.31	187.25 5.29 -60.68	173.48 3.30 -91.87	173.61 6.78 -5.49	172.26 4.67 -57.77	172.60 4.55 -59.90	163.76 6.64 0.00
ALCOA_PA_115KV_PL-6C 55860	48.79 -0.96 0.00	135.43 -2.50 0.00	152.07 -2.16 0.00	156.74 -0.62 0.00	145.53 -1.45 0.00	148.97 -1.94 0.00	243.15 -1.24 0.00	255.62 -1.87 0.00	212.59 -2.70 0.00	174.20 -3.55 0.00	80.21 -2.37 0.00	85.24 -2.95 0.00	118.96 -4.23 0.00	128.53 -5.05 0.00	94.54 -3.88 0.00	124.53 -4.74 0.00	134.07 -4.71 0.00	169.37 -5.63 0.00	117.35 -3.93 0.00	75.87 -2.43 0.00	156.42 -4.92 0.00	106.96 -2.86 0.00	105.28 -2.88 0.00	153.69 -3.43 0.00
ALCOA_RYNLDS___DRP 24188	48.79 -0.96 0.00	135.43 -2.50 0.00	152.07 -2.16 0.00	156.74 -0.62 0.00	145.53 -1.45 0.00	148.97 -1.94 0.00	243.15 -1.24 0.00	255.62 -1.87 0.00	212.59 -2.70 0.00	174.20 -3.55 0.00	80.21 -2.37 0.00	85.24 -2.95 0.00	118.96 -4.23 0.00	128.53 -5.05 0.00	94.54 -3.88 0.00	124.53 -4.74 0.00	134.07 -4.71 0.00	169.37 -5.63 0.00	117.35 -3.93 0.00	75.87 -2.43 0.00	156.42 -4.92 0.00	106.96 -2.86 0.00	105.28 -2.88 0.00	153.69 -3.43 0.00
ALCOA___DSASP 323711	48.79 -0.96 0.00	135.42 -2.50 0.00	152.07 -2.16 0.00	156.74 -0.62 0.00	145.53 -1.45 0.00	148.97 -1.94 0.00	243.16 -1.23 0.00	255.62 -1.87 0.00	212.62 -2.67 0.00	174.21 -3.55 0.00	80.21 -2.37 0.00	85.25 -2.94 0.00	118.96 -4.25 0.00	128.53 -5.05 0.00	94.54 -3.88 0.00	124.54 -4.73 0.00	134.07 -4.71 0.00	169.37 -5.64 0.00	117.35 -3.93 0.00	75.87 -2.43 0.00	156.43 -4.91 0.00	106.94 -2.87 0.00	105.29 -2.88 0.00	153.69 -3.43 0.00
ALLEGHENY___COGEN 23514	63.30 -0.24 -13.79	137.34 -0.58 0.00	154.25 0.02 0.00	156.56 -0.80 0.00	144.62 -0.88 1.49	144.86 -4.30 1.75	225.24 -19.15 0.00	239.17 -18.31 0.00	199.25 -14.44 1.60	165.29 -12.47 0.00	88.11 -5.60 -11.15	93.19 -5.70 -10.70	118.08 -7.24 -2.12	128.58 -6.00 -1.01	103.00 -2.96 -7.53	125.46 -4.65 -0.84	133.51 -5.27 0.00	162.59 -6.84 5.58	123.54 -4.64 -6.91	88.28 -2.82 -12.80	157.48 -3.55 0.30	114.81 -2.69 -7.69	113.60 -2.58 -8.03	153.42 -3.70 0.00
ALTAMONT_115KV_TB 2 55880	158.97 2.13 -107.10	143.74 5.82 0.00	160.82 6.59 0.00	163.53 6.17 0.00	166.87 6.22 -13.67	157.20 6.29 0.00	252.94 8.55 0.00	266.52 9.04 0.00	223.26 7.97 0.00	184.91 7.16 0.00	176.98 3.45 -90.96	167.42 3.75 -75.47	143.56 5.32 -15.04	146.59 5.88 -7.13	156.19 4.34 -53.42	140.79 5.55 -5.97	144.65 5.88 0.00	187.52 7.27 -5.25	186.36 5.08 -60.00	172.37 3.21 -90.86	173.38 6.61 -5.43	171.55 4.60 -57.13	171.87 4.48 -59.23	163.58 6.46 0.00
ALTONA_WT_PWR 323606	49.99 0.25 0.00	138.75 0.82 0.00	155.41 1.18 0.00	158.94 1.58 0.00	147.98 1.00 0.00	151.23 0.32 0.00	245.11 0.72 0.00	257.62 0.14 0.00	215.07 -0.22 0.00	176.20 -1.55 0.00	81.35 -1.22 0.00	86.40 -1.79 0.00	120.21 -2.99 0.00	129.77 -3.82 0.00	95.62 -2.81 0.00	126.61 -2.66 0.00	136.80 -1.98 0.00	173.09 -1.91 0.00	120.01 -1.27 0.00	77.30 -1.01 0.00	158.74 -2.60 0.00	108.11 -1.70 0.00	106.89 -1.27 0.00	156.52 -0.60 0.00
AMERICAN_REF_FUEL 24010	57.57 -4.87 -12.71	124.81 -13.11 0.00	139.71 -14.51 0.00	142.43 -14.93 0.00	132.29 -14.28 0.41	134.88 -14.94 1.10	217.91 -26.48 0.00	226.14 -31.34 0.00	188.39 -25.99 0.91	156.92 -20.83 0.00	82.36 -10.64 -10.43	86.96 -10.73 -9.50	110.51 -14.59 -1.90	120.60 -13.88 -0.90	95.58 -9.59 -6.74	114.76 -13.12 1.39	121.37 -15.05 2.37	146.77 -19.51 8.72	111.87 -14.27 -4.86	79.69 -9.76 -11.16	141.12 -19.90 0.32	103.24 -13.56 -6.98	102.85 -12.59 -7.27	142.02 -15.10 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	60.16 -3.65 -14.06	126.61 -11.31 0.00	142.63 -11.60 0.00	146.47 -10.89 0.00	136.38 -9.88 0.72	139.10 -10.45 1.36	228.72 -15.67 0.00	241.39 -16.09 0.00	202.55 -11.66 1.09	169.06 -8.69 0.00	88.87 -5.19 -11.49	93.61 -5.11 -10.54	117.26 -8.06 -2.12	127.69 -6.90 -1.00	101.35 -4.59 -7.52	121.52 -6.03 1.72	128.72 -7.23 2.82	154.86 -9.47 10.67	119.33 -7.12 -5.16	85.42 -5.29 -12.41	149.97 -10.89 0.48	110.02 -7.55 -7.76	108.97 -7.27 -8.08	147.94 -9.18 0.00
ARTHUR KILL_GT_1 23520	142.36 4.13 -88.49	148.91 10.98 0.00	166.27 12.04 0.00	250.16 11.69 -81.11	197.69 11.22 -39.49	154.58 11.62 7.95	183.38 17.02 78.04	229.08 17.91 46.31	212.11 16.28 19.46	155.68 15.78 37.85	166.12 7.82 -75.73	233.66 8.10 -137.37	285.10 11.29 -150.61	290.85 12.26 -145.01	227.45 9.05 -119.98	756.05 11.96 -614.82	209.11 12.88 -57.45	249.29 15.62 -58.67	225.93 11.19 -93.46	241.49 7.43 -155.75	1427.29 15.28 -1250.67	213.82 10.09 -93.90	212.89 9.72 -95.01	213.53 13.14 -43.27
ARTHUR_KILL_2 23512	142.21 3.97 -88.49	148.47 10.55 0.00	165.80 11.57 0.00	249.66 11.19 -81.11	197.19 10.71 -39.49	154.08 11.12 7.95	182.52 16.16 78.04	228.15 16.97 46.31	211.34 15.52 19.46	155.09 15.19 37.85	165.86 7.56 -75.73	233.40 7.84 -137.37	284.76 10.96 -150.61	290.47 11.88 -145.01	227.17 8.77 -119.98	755.68 11.59 -614.82	208.66 12.43 -57.45	248.68 15.01 -58.67	225.52 10.78 -93.46	241.19 7.13 -155.75	1426.68 14.67 -1250.67	213.42 9.70 -93.90	212.50 9.33 -95.01	213.02 12.63 -43.27
ARTHUR_KILL_3 23513	141.93 3.71 -88.48	147.51 9.59 0.00	-168.58 10.53 333.33	143.96 10.40 23.81	140.02 10.60 17.56	139.33 11.22 22.81	182.18 15.82 78.04	206.86 16.82 67.45	150.51 15.32 80.10	141.98 14.76 50.54	165.63 7.20 -75.85	120.11 7.73 -24.19	104.89 10.78 29.09	100.24 11.70 45.05	100.24 8.53 6.72	100.40 11.29 40.16	105.76 12.15 45.17	129.24 14.54 60.30	100.95 10.17 30.50	106.83 6.69 -21.84	122.73 14.24 52.85	102.41 9.71 17.12	101.77 9.45 15.85	98.38 12.80 71.55

ARTHUR_KILL_COGEN 323718	142.36 4.13 -88.49	148.91 10.98 0.00	166.27 12.04 0.00	250.16 11.69 -81.11	197.69 11.22 -39.49	154.58 11.62 7.95	183.38 17.02 78.04	229.08 17.91 46.31	212.11 16.28 19.46	155.68 15.78 37.85	166.12 7.82 -75.73	233.66 8.10 -137.37	285.10 11.29 -150.61	290.85 12.26 -145.01	227.45 9.05 -119.98	756.05 11.96 -614.82	209.11 12.88 -57.45	249.29 15.62 -58.67	225.93 11.19 -93.46	241.49 7.43 -155.75	1427.29 15.28 -1250.67	213.82 10.09 -93.90	212.89 9.72 -95.01	213.53 13.14 -43.27
ASHOKAN____ 23654	151.93 4.03 -98.16	149.77 11.85 0.00	167.47 13.24 0.00	170.18 12.82 0.00	172.08 12.55 -12.54	164.36 13.44 0.00	265.16 20.77 0.00	279.97 22.49 0.00	234.42 19.13 0.00	193.88 16.13 0.00	172.77 6.75 -83.45	164.49 7.05 -69.25	146.82 9.82 -13.80	150.81 10.68 -6.54	155.10 7.67 -49.02	145.54 10.79 -5.48	151.28 12.50 0.00	195.89 16.08 -4.81	186.85 10.54 -55.03	168.19 6.57 -83.32	181.13 14.82 -4.98	171.40 9.19 -52.40	171.43 8.94 -54.32	170.69 13.57 0.00
ASTORIA_EAST_ENERGY_CC1 323581	142.20 3.97 -88.49	148.30 10.38 0.00	165.59 11.36 0.00	168.51 11.14 0.00	169.46 11.26 -11.21	162.62 11.70 0.00	261.21 16.82 0.00	275.31 17.83 0.00	231.51 16.22 0.00	193.24 15.48 0.00	164.74 7.56 -74.61	158.14 8.04 -61.90	147.24 11.70 -12.33	151.88 12.45 -5.85	151.28 9.05 -43.82	146.15 11.98 -4.90	151.40 12.63 0.00	194.04 14.74 -4.30	180.95 10.55 -49.12	159.99 7.31 -74.38	180.37 14.59 -4.44	166.84 10.23 -46.79	166.44 9.77 -48.51	170.74 13.62 0.00
ASTORIA_EAST_ENERGY_CC2 323582	142.20 3.97 -88.49	148.31 10.39 0.00	165.60 11.37 0.00	168.52 11.16 0.00	169.49 11.29 -11.21	162.62 11.70 0.00	261.21 16.82 0.00	275.31 17.83 0.00	231.51 16.22 0.00	193.24 15.48 0.00	164.74 7.56 -74.61	158.14 8.04 -61.90	147.24 11.70 -12.33	151.88 12.45 -5.85	151.28 9.05 -43.82	146.15 11.98 -4.90	151.40 12.63 0.00	194.04 14.74 -4.30	180.95 10.55 -49.12	159.99 7.31 -74.38	180.38 14.60 -4.44	166.84 10.23 -46.79	166.42 9.76 -48.51	170.74 13.62 0.00
ASTORIA_GT2_1 24094	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT2_2 24095	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT2_3 24096	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT2_4 24097	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT3_1 24098	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT3_2 24099	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT3_3 24100	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT3_4 24101	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT4_1 24102	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT4_2 24103	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT4_3 24104	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00

ASTORIA_GT4_4 24105	142.23 4.00 -88.49	148.36 10.44 0.00	165.69 11.46 0.00	168.57 11.20 0.00	169.55 11.35 -11.21	162.72 11.80 0.00	261.34 16.94 0.00	275.46 17.98 0.00	231.67 16.37 0.00	193.36 15.60 0.00	164.82 7.64 -74.61	158.19 8.09 -61.90	147.30 11.77 -12.33	151.93 12.50 -5.85	151.32 9.08 -43.82	146.18 12.02 -4.90	151.45 12.67 0.00	194.14 14.85 -4.30	181.02 10.62 -49.12	160.01 7.32 -74.38	180.44 14.65 -4.44	166.90 10.29 -46.79	166.54 9.88 -48.51	170.83 13.70 0.00
ASTORIA_GT_1 23523	142.33 4.10 -88.49	148.63 10.71 0.00	166.00 11.77 0.00	168.89 11.53 0.00	169.84 11.64 -11.21	163.03 12.12 0.00	261.84 17.45 0.00	276.08 18.60 0.00	232.21 16.92 0.00	193.77 16.02 0.00	165.01 7.83 -74.61	158.41 8.32 -61.90	147.60 12.06 -12.33	152.25 12.82 -5.85	151.56 9.32 -43.82	146.52 12.36 -4.90	151.81 13.03 0.00	194.56 15.26 -4.30	181.32 10.92 -49.12	160.21 7.53 -74.38	180.77 14.99 -4.44	167.13 10.53 -46.79	166.71 10.04 -48.51	171.16 14.03 0.00
ASTORIA_GT_10 24110	142.40 4.17 -88.49	148.80 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.19 17.80 0.00	276.20 18.72 0.00	232.23 16.93 0.00	193.97 16.22 0.00	165.26 8.08 -74.61	158.68 8.58 -61.90	147.55 12.01 -12.33	152.30 12.87 -5.85	151.61 9.37 -43.82	146.60 12.43 -4.90	152.06 13.28 0.00	195.12 15.82 -4.30	181.59 11.19 -49.12	160.11 7.43 -74.38	181.19 15.41 -4.44	167.11 10.51 -46.79	166.79 10.12 -48.51	170.91 13.78 0.00
ASTORIA_GT_11 24225	142.40 4.17 -88.49	148.80 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.19 17.80 0.00	276.20 18.72 0.00	232.23 16.93 0.00	193.97 16.22 0.00	165.26 8.08 -74.61	158.68 8.58 -61.90	147.55 12.01 -12.33	152.30 12.87 -5.85	151.61 9.37 -43.82	146.60 12.43 -4.90	152.06 13.28 0.00	195.12 15.82 -4.30	181.59 11.19 -49.12	160.11 7.43 -74.38	181.19 15.41 -4.44	167.11 10.51 -46.79	166.79 10.12 -48.51	170.91 13.78 0.00
ASTORIA_GT_12 24226	142.40 4.17 -88.49	148.80 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.19 17.80 0.00	276.20 18.72 0.00	232.23 16.93 0.00	193.97 16.22 0.00	165.26 8.08 -74.61	158.68 8.58 -61.90	147.55 12.01 -12.33	152.30 12.87 -5.85	151.61 9.37 -43.82	146.60 12.43 -4.90	152.06 13.28 0.00	195.12 15.82 -4.30	181.59 11.19 -49.12	160.11 7.43 -74.38	181.19 15.41 -4.44	167.11 10.51 -46.79	166.79 10.12 -48.51	170.91 13.78 0.00
ASTORIA_GT_13 24227	142.40 4.17 -88.49	148.80 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.19 17.80 0.00	276.20 18.72 0.00	232.23 16.93 0.00	193.97 16.22 0.00	165.26 8.08 -74.61	158.68 8.58 -61.90	147.55 12.01 -12.33	152.30 12.87 -5.85	151.61 9.37 -43.82	146.60 12.43 -4.90	152.06 13.28 0.00	195.12 15.82 -4.30	181.59 11.19 -49.12	160.11 7.43 -74.38	181.19 15.41 -4.44	167.11 10.51 -46.79	166.79 10.12 -48.51	170.91 13.78 0.00
ASTORIA_GT_5 24106	142.33 4.10 -88.49	148.63 10.71 0.00	166.00 11.77 0.00	168.88 11.52 0.00	169.84 11.64 -11.21	163.02 12.11 0.00	261.87 17.48 0.00	276.08 18.60 0.00	232.21 16.91 0.00	193.77 16.02 0.00	165.00 7.82 -74.61	158.41 8.31 -61.90	147.58 12.04 -12.33	152.23 12.80 -5.85	151.56 9.31 -43.82	146.50 12.33 -4.90	151.81 13.03 0.00	194.58 15.28 -4.30	181.31 10.90 -49.12	160.20 7.52 -74.38	180.80 15.02 -4.44	167.14 10.54 -46.79	166.78 10.11 -48.51	171.14 14.02 0.00
ASTORIA_GT_7 24107	142.33 4.10 -88.49	148.63 10.71 0.00	166.00 11.77 0.00	168.88 11.52 0.00	169.84 11.64 -11.21	163.02 12.11 0.00	261.87 17.48 0.00	276.08 18.60 0.00	232.21 16.91 0.00	193.77 16.02 0.00	165.00 7.82 -74.61	158.41 8.31 -61.90	147.58 12.04 -12.33	152.23 12.80 -5.85	151.56 9.31 -43.82	146.50 12.33 -4.90	151.81 13.03 0.00	194.58 15.28 -4.30	181.31 10.90 -49.12	160.20 7.52 -74.38	180.80 15.02 -4.44	167.14 10.54 -46.79	166.78 10.11 -48.51	171.14 14.02 0.00
ASTORIA_GT_8 24108	142.33 4.10 -88.49	148.63 10.71 0.00	166.00 11.77 0.00	168.88 11.52 0.00	169.84 11.64 -11.21	163.02 12.11 0.00	261.87 17.48 0.00	276.08 18.60 0.00	232.21 16.91 0.00	193.77 16.02 0.00	165.00 7.82 -74.61	158.41 8.31 -61.90	147.58 12.04 -12.33	152.23 12.80 -5.85	151.56 9.31 -43.82	146.50 12.33 -4.90	151.81 13.03 0.00	194.58 15.28 -4.30	181.31 10.90 -49.12	160.20 7.52 -74.38	180.80 15.02 -4.44	167.14 10.54 -46.79	166.78 10.11 -48.51	171.14 14.02 0.00
ASTORIA___2 24149	142.23 4.00 -88.49	148.36 10.44 0.00	165.68 11.45 0.00	168.58 11.21 0.00	169.54 11.34 -11.21	162.73 11.82 0.00	261.33 16.94 0.00	275.50 18.02 0.00	231.67 16.38 0.00	193.36 15.60 0.00	164.81 7.63 -74.61	158.18 8.09 -61.90	147.31 11.78 -12.33	151.93 12.49 -5.85	151.31 9.07 -43.82	146.18 12.02 -4.90	151.44 12.66 0.00	194.14 14.84 -4.30	181.06 10.66 -49.12	160.02 7.34 -74.38	180.42 14.64 -4.44	166.89 10.29 -46.79	166.48 9.81 -48.51	170.83 13.71 0.00
ASTORIA___3 23516	142.40 4.17 -88.49	148.81 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.17 17.77 0.00	276.20 18.72 0.00	232.23 16.94 0.00	193.98 16.22 0.00	165.28 8.10 -74.61	158.70 8.60 -61.90	147.56 12.02 -12.33	152.31 12.88 -5.85	151.62 9.38 -43.82	146.60 12.43 -4.90	152.07 13.29 0.00	195.12 15.82 -4.30	181.60 11.20 -49.12	160.12 7.44 -74.38	181.22 15.44 -4.44	167.12 10.52 -46.79	166.76 10.09 -48.51	170.92 13.80 0.00
ASTORIA___4 23517	142.40 4.17 -88.49	148.80 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.16 17.77 0.00	276.20 18.72 0.00	232.21 16.92 0.00	193.97 16.22 0.00	165.26 8.08 -74.61	158.68 8.58 -61.90	147.55 12.01 -12.33	152.30 12.87 -5.85	151.61 9.37 -43.82	146.60 12.43 -4.90	152.06 13.28 0.00	195.12 15.82 -4.30	181.59 11.19 -49.12	160.11 7.43 -74.38	181.19 15.41 -4.44	167.11 10.51 -46.79	166.79 10.12 -48.51	170.91 13.78 0.00
ASTORIA___5 23518	142.40 4.17 -88.49	148.81 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.17 17.77 0.00	276.20 18.72 0.00	232.23 16.94 0.00	193.98 16.22 0.00	165.28 8.10 -74.61	158.70 8.60 -61.90	147.56 12.02 -12.33	152.31 12.88 -5.85	151.62 9.38 -43.82	146.60 12.43 -4.90	152.07 13.29 0.00	195.12 15.82 -4.30	181.60 11.20 -49.12	160.12 7.44 -74.38	181.22 15.44 -4.44	167.12 10.52 -46.79	166.76 10.09 -48.51	170.92 13.80 0.00
AST_ENERGY_2_CC3 323677	142.19 3.97 -88.48	148.25 10.33 0.00	165.57 11.34 0.00	168.52 11.15 0.00	169.51 11.31 -11.21	162.81 11.89 0.00	260.65 16.26 0.00	274.77 17.29 0.00	230.94 15.65 0.00	192.83 15.08 0.00	164.64 7.47 -74.60	158.06 7.97 -61.90	146.62 11.08 -12.33	151.62 12.18 -5.85	151.11 8.88 -43.81	145.91 11.74 -4.90	151.39 12.61 0.00	194.25 14.95 -4.30	180.89 10.49 -49.12	159.52 6.84 -74.38	180.21 14.43 -4.44	166.46 9.86 -46.78	166.49 9.83 -48.50	170.56 13.44 0.00
AST_ENERGY_2_CC4 323678	142.19 3.97 -88.48	148.25 10.33 0.00	165.57 11.34 0.00	168.52 11.15 0.00	169.51 11.31 -11.21	162.81 11.89 0.00	260.65 16.26 0.00	274.77 17.29 0.00	230.94 15.65 0.00	192.83 15.08 0.00	164.64 7.47 -74.60	158.06 7.97 -61.90	146.62 11.08 -12.33	151.62 12.18 -5.85	151.11 8.88 -43.81	145.91 11.74 -4.90	151.39 12.61 0.00	194.25 14.95 -4.30	180.89 10.49 -49.12	159.52 6.84 -74.38	180.21 14.43 -4.44	166.46 9.86 -46.78	166.49 9.83 -48.50	170.56 13.44 0.00

ATHENS_STG_1 23668	148.73 2.57 -96.41	144.89 6.96 0.00	162.11 7.88 0.00	164.79 7.43 0.00	166.71 7.43 -12.30	158.49 7.58 0.00	254.53 10.14 0.00	268.17 10.69 0.00	224.96 9.67 0.00	186.82 9.06 0.00	168.99 4.58 -81.83	161.15 5.06 -67.90	143.79 7.05 -13.53	147.70 7.70 -6.42	152.15 5.67 -48.06	141.75 7.11 -5.37	146.32 7.54 0.00	188.94 9.22 -4.72	181.70 6.49 -53.93	164.15 4.19 -81.65	174.90 8.69 -4.88	167.14 5.98 -51.34	167.25 5.87 -53.22	165.40 8.28 0.00
ATHENS_STG_2 23670	148.73 2.57 -96.41	144.89 6.96 0.00	162.11 7.88 0.00	164.79 7.43 0.00	166.71 7.43 -12.30	158.49 7.58 0.00	254.53 10.14 0.00	268.17 10.69 0.00	224.96 9.67 0.00	186.82 9.06 0.00	168.99 4.58 -81.83	161.15 5.06 -67.90	143.79 7.05 -13.53	147.70 7.70 -6.42	152.15 5.67 -48.06	141.75 7.11 -5.37	146.32 7.54 0.00	188.94 9.22 -4.72	181.70 6.49 -53.93	164.15 4.19 -81.65	174.90 8.69 -4.88	167.14 5.98 -51.34	167.25 5.87 -53.22	165.40 8.28 0.00
ATHENS_STG_3 23677	148.73 2.57 -96.41	144.89 6.96 0.00	162.11 7.88 0.00	164.79 7.43 0.00	166.71 7.43 -12.30	158.49 7.58 0.00	254.53 10.14 0.00	268.17 10.69 0.00	224.96 9.67 0.00	186.82 9.06 0.00	168.99 4.58 -81.83	161.15 5.06 -67.90	143.79 7.05 -13.53	147.70 7.70 -6.42	152.15 5.67 -48.06	141.75 7.11 -5.37	146.32 7.54 0.00	188.94 9.22 -4.72	181.70 6.49 -53.93	164.15 4.19 -81.65	174.90 8.69 -4.88	167.14 5.98 -51.34	167.25 5.87 -53.22	165.40 8.28 0.00
AUBURN___LFGE 323710	60.91 -0.25 -11.42	137.09 -0.83 0.00	153.42 -0.80 0.00	156.60 -0.76 0.00	148.80 -0.47 -2.28	151.16 -0.19 -0.44	243.51 -0.88 0.00	257.83 0.35 0.00	216.39 0.72 -0.38	178.14 0.39 0.00	92.30 -0.15 -9.87	96.06 0.01 -7.85	124.95 0.18 -1.56	134.79 0.47 -0.74	104.32 0.35 -5.55	130.27 0.38 -0.62	139.59 0.81 0.00	178.38 1.25 -2.13	128.76 0.87 -6.62	88.17 0.43 -9.43	162.79 0.62 -0.83	116.19 0.35 -6.02	114.61 0.22 -6.23	157.47 0.34 0.00
BABYLON_RES_REC 323704	142.96 4.75 -88.46	154.49 12.97 -3.59	167.47 13.24 0.00	169.10 11.74 0.00	171.41 13.22 -11.21	164.26 13.34 0.00	262.32 17.93 0.00	278.61 21.13 0.00	233.73 18.44 0.00	195.04 17.29 0.00	166.03 8.88 -74.57	161.55 8.77 -64.59	153.49 12.89 -17.39	157.56 14.17 -9.80	157.15 10.18 -48.55	157.16 13.72 -14.17	185.05 15.03 -31.24	197.21 17.91 -4.30	183.27 12.89 -49.11	161.64 8.38 -74.96	182.72 16.94 -4.44	167.47 10.88 -46.77	166.56 9.92 -48.49	170.60 13.48 0.00
BABYLON__69_KV_BK2 356345	143.52 5.31 -88.46	156.03 14.51 -3.59	169.12 14.89 0.00	170.68 13.32 0.00	172.99 14.80 -11.21	165.87 14.96 0.00	264.50 20.10 0.00	281.21 23.73 0.00	235.89 20.60 0.00	196.90 19.15 0.00	166.94 9.79 -74.57	162.15 9.63 -64.34	154.40 14.17 -17.03	158.77 15.57 -9.62	157.99 11.19 -48.37	158.15 15.11 -13.77	186.37 16.60 -30.99	199.24 19.95 -4.30	184.72 14.33 -49.11	162.57 9.32 -74.96	184.58 18.80 -4.44	168.60 12.01 -46.77	167.65 11.00 -48.49	172.17 15.04 0.00
BALL_HILL_WT_PWR 323825	59.75 -3.57 -13.57	127.77 -10.15 0.00	143.45 -10.78 0.00	146.42 -10.94 0.00	136.05 -10.32 0.61	138.79 -10.86 1.27	226.84 -17.55 0.00	237.67 -19.81 0.00	198.61 -15.62 1.06	165.66 -12.09 0.00	87.12 -6.56 -11.10	91.89 -6.48 -10.18	116.23 -9.01 -2.04	126.55 -8.01 -0.97	100.34 -5.32 -7.24	120.55 -7.31 1.42	127.72 -8.60 2.46	153.99 -11.49 9.52	117.81 -8.68 -5.20	84.07 -6.21 -11.98	148.23 -12.71 0.40	108.65 -8.64 -7.48	107.92 -8.03 -7.79	147.24 -9.88 0.00
BARON_WINDS___WT_PWR 323822	64.44 -2.99 -17.68	129.86 -8.06 0.00	146.56 -7.67 0.00	148.09 -9.27 0.00	136.29 -8.89 1.80	139.93 -8.80 2.19	230.56 -13.83 0.00	243.62 -13.87 0.00	202.97 -10.36 1.96	169.47 -8.29 0.00	92.21 -4.68 -14.31	97.42 -4.43 -13.66	120.37 -5.55 -2.71	130.37 -4.50 -1.29	105.36 -2.70 -9.64	128.82 -3.29 -2.84	136.33 -4.40 -1.95	165.55 -7.01 2.44	126.57 -5.02 -10.32	91.31 -3.61 -16.63	153.77 -7.50 0.07	114.72 -4.95 -9.86	113.59 -4.85 -10.28	150.88 -6.25 0.00
BARRETT_IC_1 23704	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_10 23701	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_11 23702	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_12 23703	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_2 23705	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_3 23706	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_4 23707	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00

BARRETT_IC_5 23708	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_6 23709	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_7 23710	142.25 4.05 -88.46	152.32 10.80 -3.59	165.37 11.14 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.35 11.44 0.00	259.83 15.44 0.00	275.33 17.85 0.00	230.99 15.69 0.00	192.63 14.87 0.00	165.08 7.94 -74.58	189.66 8.16 -93.31	193.65 11.77 -58.68	176.96 12.94 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.04 15.74 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.16 9.57 -46.77	165.58 8.93 -48.49	169.07 11.95 0.00
BARRETT_IC_8 23711	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT_IC_9 23700	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT___1 23545	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BARRETT___2 23546	142.26 4.05 -88.46	152.31 10.79 -3.59	165.35 11.13 0.00	167.37 10.01 0.00	169.38 11.18 -11.21	162.34 11.43 0.00	259.84 15.44 0.00	275.33 17.85 0.00	230.98 15.69 0.00	192.62 14.87 0.00	165.10 7.95 -74.58	189.65 8.16 -93.31	193.66 11.78 -58.68	176.98 12.96 -30.44	177.04 9.33 -69.29	200.84 12.34 -59.23	210.96 13.33 -58.85	195.03 15.73 -4.30	181.54 11.15 -49.11	160.58 7.33 -74.96	180.69 14.91 -4.44	166.21 9.63 -46.77	165.57 8.92 -48.49	169.09 11.96 0.00
BATAVIA__115KV_TB1 55881	59.15 -2.31 -11.71	131.75 -6.18 0.00	147.47 -6.76 0.00	150.35 -7.01 0.00	140.02 -6.72 0.25	143.07 -6.91 0.94	232.68 -11.71 0.00	243.25 -14.23 0.00	202.82 -11.72 0.76	168.30 -9.46 0.00	86.55 -5.68 -9.65	91.14 -5.78 -8.73	117.15 -7.79 -1.74	128.03 -6.39 -0.83	100.20 -4.41 -6.19	124.24 -5.72 -0.69	132.33 -6.45 0.00	164.18 -8.12 2.71	121.31 -6.10 -6.13	84.32 -4.49 -10.52	152.01 -9.41 -0.08	109.67 -6.57 -6.42	108.78 -6.07 -6.69	150.36 -6.76 0.00
BAYONEEC___CTG1 323682	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG10 323750	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG2 323683	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG3 323684	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG4 323685	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG5 323686	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG6 323687	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00

BAYONEEC___CTG7 323688	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG8 323689	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BAYONEEC___CTG9 323749	142.20 3.97 -88.48	148.29 10.36 0.00	165.64 11.41 0.00	168.68 11.31 0.00	169.57 11.37 -11.21	162.95 12.04 0.00	261.54 17.15 0.00	275.63 18.15 0.00	231.73 16.44 0.00	193.43 15.68 0.00	164.82 7.65 -74.60	158.24 8.15 -61.90	146.89 11.36 -12.33	151.80 12.36 -5.85	151.23 9.00 -43.81	146.10 11.94 -4.90	151.61 12.83 0.00	194.66 15.36 -4.30	181.15 10.75 -49.12	159.73 7.06 -74.38	180.79 15.01 -4.44	166.83 10.23 -46.78	166.66 10.00 -48.50	170.71 13.59 0.00
BEACON___LESR 323632	159.81 2.94 -107.12	146.05 8.12 0.00	163.18 8.96 0.00	165.45 8.09 0.00	169.12 8.46 -13.68	159.59 8.67 0.00	256.99 12.60 0.00	270.70 13.22 0.00	226.51 11.22 0.00	185.73 7.97 0.00	177.34 3.77 -91.00	167.68 3.99 -75.51	144.00 5.75 -15.05	148.28 7.56 -7.13	157.58 5.72 -53.45	142.82 7.58 -5.97	146.71 7.93 0.00	190.24 9.99 -5.25	188.05 6.72 -60.05	173.55 4.33 -90.93	175.69 8.92 -5.43	172.97 5.98 -57.18	173.21 5.78 -59.28	165.33 8.21 0.00
BEAVER RIVER___HYD 24048	54.23 1.30 -3.19	141.37 3.45 0.00	158.30 4.08 0.00	161.83 4.47 0.00	151.17 3.78 -0.41	154.95 4.04 0.00	252.35 7.95 0.00	267.05 9.57 0.00	223.00 7.71 0.00	183.19 5.44 0.00	87.17 1.88 -2.72	91.91 1.46 -2.25	124.75 1.10 -0.45	134.83 1.04 -0.21	100.97 0.95 -1.60	131.65 2.21 -0.18	142.58 3.80 0.00	180.57 5.41 -0.16	126.43 3.36 -1.79	82.61 1.60 -2.71	165.18 3.68 -0.16	114.50 2.98 -1.71	112.82 2.89 -1.77	161.69 4.57 0.00
BEEBEE_GT_13 23619	57.95 -1.95 -10.16	132.52 -5.40 0.00	148.27 -5.96 0.00	151.14 -6.22 0.00	141.15 -5.85 -0.02	144.13 -6.10 0.69	234.23 -10.16 0.00	245.66 -11.82 0.00	205.11 -9.59 0.59	170.13 -7.62 0.00	86.96 -4.02 -8.41	91.81 -3.90 -7.52	119.56 -5.14 -1.50	129.95 -4.35 -0.71	101.02 -2.73 -5.33	125.83 -4.03 -0.60	133.80 -4.98 0.00	166.48 -6.57 1.95	121.90 -4.75 -5.37	83.93 -3.42 -9.05	154.15 -7.31 -0.12	110.38 -4.99 -5.55	109.19 -4.75 -5.78	151.22 -5.90 0.00
BENSHRST_27_KV_BENSHRST_1 355998	142.93 4.70 -88.49	150.31 12.38 0.00	167.81 13.58 0.00	251.80 13.34 -81.11	199.74 13.27 -39.49	173.12 13.86 -8.34	332.72 20.60 -67.73	354.40 21.75 -75.16	313.53 19.48 -78.76	265.89 18.47 -69.66	189.33 8.93 -97.82	336.54 9.46 -238.89	453.46 13.21 -317.04	292.79 14.20 -145.01	228.79 10.39 -119.98	757.87 13.78 -614.82	210.99 14.76 -57.45	251.41 17.74 -58.67	227.22 12.48 -93.46	242.40 8.35 -155.75	1437.74 17.48 -1258.93	215.39 11.67 -93.90	214.42 11.25 -95.01	215.63 15.23 -43.27
BETHLEHEM___GRP 23843	158.83 1.83 -107.25	142.89 4.96 0.00	159.76 5.54 0.00	162.48 5.12 0.00	166.06 5.38 -13.69	156.28 5.37 0.00	251.24 6.85 0.00	264.59 7.11 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.41 2.77 -91.07	166.72 2.96 -75.56	142.68 4.42 -15.06	145.53 4.81 -7.14	155.46 3.55 -53.49	139.80 4.55 -5.98	143.39 4.61 0.00	185.68 5.42 -5.26	185.09 3.71 -60.09	171.61 2.32 -90.99	171.55 4.78 -5.43	170.38 3.35 -57.22	170.71 3.23 -59.32	161.99 4.86 0.00
BETHLEHEM___GS1 323560	158.83 1.83 -107.25	142.88 4.96 0.00	159.76 5.53 0.00	162.48 5.11 0.00	166.05 5.38 -13.69	156.29 5.37 0.00	251.24 6.85 0.00	264.63 7.15 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.44 2.80 -91.07	166.72 2.97 -75.56	142.70 4.44 -15.06	145.54 4.81 -7.14	155.48 3.56 -53.49	139.82 4.57 -5.98	143.38 4.60 0.00	185.68 5.42 -5.26	185.11 3.73 -60.09	171.61 2.32 -90.99	171.57 4.80 -5.43	170.39 3.35 -57.22	170.75 3.27 -59.32	161.99 4.86 0.00
BETHLEHEM___GS2 323561	158.83 1.83 -107.25	142.88 4.96 0.00	159.76 5.53 0.00	162.48 5.11 0.00	166.05 5.38 -13.69	156.29 5.37 0.00	251.24 6.85 0.00	264.63 7.15 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.44 2.80 -91.07	166.72 2.97 -75.56	142.70 4.44 -15.06	145.54 4.81 -7.14	155.48 3.56 -53.49	139.82 4.57 -5.98	143.38 4.60 0.00	185.68 5.42 -5.26	185.11 3.73 -60.09	171.61 2.32 -90.99	171.57 4.80 -5.43	170.39 3.35 -57.22	170.75 3.27 -59.32	161.99 4.86 0.00
BETHLEHEM___GS3 323562	158.83 1.83 -107.25	142.88 4.96 0.00	159.76 5.53 0.00	162.48 5.11 0.00	166.05 5.38 -13.69	156.29 5.37 0.00	251.24 6.85 0.00	264.63 7.15 0.00	221.41 6.12 0.00	183.70 5.95 0.00	176.44 2.80 -91.07	166.72 2.97 -75.56	142.70 4.44 -15.06	145.54 4.81 -7.14	155.48 3.56 -53.49	139.82 4.57 -5.98	143.38 4.60 0.00	185.68 5.42 -5.26	185.11 3.73 -60.09	171.61 2.32 -90.99	171.57 4.80 -5.43	170.39 3.35 -57.22	170.75 3.27 -59.32	161.99 4.86 0.00
BETHLEHEM___STEEL 23779	59.73 -3.58 -13.57	128.36 -9.56 0.00	143.89 -10.34 0.00	146.49 -10.88 0.00	136.04 -10.35 0.59	138.89 -10.78 1.25	226.48 -17.91 0.00	236.64 -20.84 0.00	197.41 -16.84 1.04	164.53 -13.22 0.00	86.54 -7.13 -11.10	91.43 -6.93 -10.17	115.97 -9.27 -2.04	126.31 -8.24 -0.96	100.09 -5.56 -7.23	122.46 -7.61 -0.81	129.60 -9.18 0.00	158.89 -12.31 3.80	119.08 -9.21 -7.01	84.01 -6.57 -12.28	147.93 -13.38 0.03	108.15 -9.13 -7.47	107.54 -8.40 -7.78	147.06 -10.06 0.00
BETHLHEM_115KV_TB1 79974	158.79 1.89 -107.16	143.05 5.12 0.00	159.94 5.72 0.00	162.66 5.30 0.00	166.21 5.55 -13.68	156.45 5.53 0.00	251.49 7.09 0.00	264.93 7.46 0.00	221.72 6.43 0.00	183.95 6.20 0.00	176.50 2.94 -90.99	166.86 3.17 -75.50	142.90 4.65 -15.04	145.80 5.09 -7.13	155.62 3.76 -53.44	140.02 4.78 -5.97	143.66 4.88 0.00	186.03 5.77 -5.25	185.30 3.98 -60.04	171.69 2.48 -90.91	171.91 5.14 -5.43	170.55 3.56 -57.17	170.92 3.49 -59.27	162.32 5.19 0.00
BETHPAGE_CC_5 323564	142.93 4.72 -88.46	154.31 12.80 -3.59	167.41 13.18 0.00	169.21 11.85 0.00	171.28 13.08 -11.21	164.00 13.08 0.00	262.17 17.78 0.00	278.18 20.70 0.00	233.40 18.11 0.00	194.77 17.02 0.00	166.04 8.90 -74.57	162.60 8.90 -65.50	154.90 12.99 -18.71	158.33 14.29 -10.46	157.93 10.30 -49.21	158.63 13.75 -15.60	185.67 14.78 -32.12	196.89 17.59 -4.30	182.99 12.60 -49.11	161.49 8.23 -74.96	182.44 16.66 -4.44	167.33 10.75 -46.77	166.32 9.67 -48.49	170.20 13.07 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	60.08 -3.41 -13.75	128.92 -9.00 0.00	144.43 -9.80 0.00	147.03 -10.33 0.00	136.56 -9.81 0.61	139.39 -10.25 1.28	227.44 -16.95 0.00	237.83 -19.65 0.00	198.43 -15.80 1.06	165.34 -12.41 0.00	87.10 -6.72 -11.25	91.95 -6.55 -10.31	116.61 -8.66 -2.06	126.97 -7.59 -0.98	100.62 -5.14 -7.33	123.06 -7.03 -0.82	130.27 -8.51 0.00	159.64 -11.47 3.89	119.69 -8.69 -7.10	84.51 -6.25 -12.46	148.64 -12.67 0.03	108.70 -8.69 -7.58	108.07 -7.99 -7.89	147.68 -9.44 0.00

BINGHAMTON___COGEN 23790	77.41 -0.04 -27.70	137.84 -0.08 0.00	154.55 0.32 0.00	156.93 -0.43 0.00	149.23 -0.25 -2.50	150.04 -0.32 0.56	243.39 -1.00 0.00	257.11 -0.37 0.00	215.10 0.30 0.50	178.13 0.38 0.00	106.08 0.07 -23.45	108.44 0.34 -19.91	127.95 0.78 -3.97	136.60 1.14 -1.88	113.56 1.05 -14.09	132.23 1.39 -1.57	139.82 1.04 0.00	174.98 0.62 0.64	137.12 0.53 -15.31	102.41 0.18 -23.94	162.92 0.50 -1.09	125.14 0.39 -14.94	124.06 0.40 -15.50	157.71 0.59 0.00
BIXINCNT_115KV_LOAD 355685	61.36 -2.98 -14.59	131.50 -6.42 0.00	145.79 -8.44 0.00	147.85 -9.51 0.00	138.74 -7.48 0.76	140.96 -8.54 1.41	231.84 -12.55 0.00	243.95 -13.53 0.00	204.26 -9.91 1.12	169.81 -7.94 0.00	89.96 -4.52 -11.91	94.85 -4.26 -10.92	120.31 -5.09 -2.20	131.03 -3.59 -1.04	103.53 -2.69 -7.80	125.71 -4.43 -0.87	133.23 -5.55 0.00	162.57 -8.09 4.34	122.17 -6.61 -7.50	86.63 -4.92 -13.25	151.70 -9.57 0.07	111.34 -6.52 -8.04	110.71 -5.83 -8.38	150.56 -6.56 0.00
BLACK RIVER___HYD 24047	56.07 1.88 -4.45	142.83 4.90 0.00	159.86 5.63 0.00	163.12 5.76 0.00	152.82 5.26 -0.57	156.76 5.85 0.00	256.11 11.71 0.00	271.54 14.06 0.00	226.97 11.67 0.00	186.33 8.57 0.00	89.50 3.14 -3.79	94.14 2.80 -3.15	126.57 2.74 -0.63	136.60 2.72 -0.30	102.87 2.22 -2.22	133.53 4.01 -0.25	145.09 6.31 0.00	184.19 8.97 -0.22	129.57 5.79 -2.50	85.01 2.93 -3.78	168.04 6.48 -0.23	116.97 4.77 -2.38	115.04 4.41 -2.46	163.68 6.56 0.00
BLACKRVR_115KV_TB2 79977	56.07 1.88 -4.45	142.83 4.91 0.00	159.85 5.62 0.00	163.12 5.76 0.00	152.82 5.27 -0.57	156.76 5.84 0.00	256.10 11.71 0.00	271.57 14.09 0.00	226.97 11.68 0.00	186.34 8.59 0.00	89.49 3.13 -3.79	94.14 2.80 -3.15	126.57 2.74 -0.63	136.60 2.72 -0.30	102.86 2.22 -2.22	133.54 4.03 -0.25	145.06 6.29 0.00	184.17 8.95 -0.22	129.57 5.79 -2.50	85.01 2.93 -3.78	168.04 6.47 -0.23	116.97 4.78 -2.38	115.04 4.41 -2.46	163.68 6.56 0.00
BLISS_WT_PWR 323608	61.24 -3.09 -14.59	131.43 -6.50 0.00	145.25 -8.98 0.00	147.21 -10.15 0.00	138.48 -7.74 0.76	140.54 -8.96 1.41	231.69 -12.70 0.00	243.91 -13.57 0.00	204.42 -9.75 1.12	169.74 -8.01 0.00	90.01 -4.47 -11.91	94.93 -4.18 -10.92	120.49 -4.90 -2.20	131.29 -3.33 -1.04	103.65 -2.57 -7.80	122.58 -4.51 2.17	129.90 -5.51 3.36	154.81 -8.10 12.09	119.60 -6.71 -5.03	86.18 -4.94 -12.82	151.09 -9.68 0.56	111.37 -6.49 -8.04	110.70 -5.84 -8.38	150.45 -6.68 0.00
BLUESTONE___WT_PWR 323821	82.70 2.05 -30.91	143.23 5.31 0.00	160.38 6.15 0.00	163.74 6.38 0.00	155.94 3.79 -5.17	154.61 3.04 -0.65	250.61 6.21 0.00	271.43 13.94 0.00	230.05 14.20 -0.56	188.80 11.05 0.00	114.22 5.07 -26.57	114.23 4.50 -21.54	135.22 7.73 -4.29	144.76 9.14 -2.04	121.26 10.23 -15.24	141.66 11.90 -2.16	151.19 14.56 -0.51	194.58 9.60 -5.02	148.94 6.25 -18.05	110.51 13.37 -25.97	176.72 9.25 -2.02	135.49 8.46 -16.42	133.62 11.40 -17.00	168.53 0.00
BLUE_CIRC_CHEM_DRP 24182	157.54 2.21 -105.58	144.02 6.09 0.00	161.18 6.95 0.00	163.88 6.52 0.00	167.01 6.55 -13.48	157.50 6.59 0.00	253.39 9.00 0.00	266.80 9.32 0.00	223.10 7.81 0.00	184.53 6.77 0.00	175.43 3.17 -89.68	166.20 3.59 -74.42	143.06 5.03 -14.83	146.21 5.59 -7.03	155.25 4.16 -52.67	140.48 5.33 -5.88	144.48 5.70 0.00	187.18 7.00 -5.18	185.25 4.81 -59.16	170.92 3.04 -89.58	172.99 6.30 -5.35	170.53 4.38 -56.33	170.86 4.30 -58.40	163.45 6.32 0.00
BOC_GAS_DRP 24189	158.31 1.93 -106.64	143.17 5.24 0.00	160.11 5.88 0.00	162.86 5.50 0.00	166.19 5.59 -13.61	156.50 5.58 0.00	251.64 7.25 0.00	265.01 7.53 0.00	222.06 6.77 0.00	184.19 6.43 0.00	176.35 3.21 -90.57	166.86 3.52 -75.15	143.17 4.99 -14.97	146.16 5.48 -7.10	155.65 4.04 -53.19	140.26 5.05 -5.94	144.01 5.23 0.00	186.53 6.30 -5.23	185.42 4.39 -59.75	171.55 2.79 -90.46	172.53 5.79 -5.40	170.75 4.05 -56.89	171.11 3.98 -58.97	162.83 5.71 0.00
BOONVILLE_115KV_TB1 79983	54.26 1.79 -2.73	142.89 4.97 0.00	159.92 5.70 0.00	163.08 5.71 0.00	152.63 5.29 -0.35	156.69 5.78 0.00	254.46 10.07 0.00	268.93 11.44 0.00	224.97 9.67 0.00	185.48 7.72 0.00	88.24 3.34 -2.32	93.17 3.06 -1.93	127.52 3.94 -0.38	137.94 4.17 -0.18	103.02 3.23 -1.37	134.18 4.76 -0.15	144.63 5.85 0.00	182.86 7.72 -0.13	127.94 5.13 -1.53	83.63 3.01 -2.32	167.73 6.25 -0.14	115.67 4.39 -1.46	113.87 4.20 -1.51	163.11 5.98 0.00
BORALEX_4TH_BRANCH 23824	160.43 3.80 -106.89	148.17 10.25 0.00	165.58 11.35 0.00	168.05 10.69 0.00	171.71 11.08 -13.64	162.57 11.66 0.00	260.16 15.76 0.00	274.22 16.74 0.00	230.21 14.91 0.00	190.84 13.09 0.00	180.08 6.76 -90.75	170.14 6.65 -75.30	147.20 9.00 -15.00	150.67 9.97 -7.11	158.98 7.26 -53.30	144.74 9.52 -5.96	148.01 9.23 0.00	192.54 12.29 -5.25	189.79 8.54 -59.97	174.28 5.19 -90.80	177.68 10.92 -5.42	174.60 7.68 -57.10	175.29 7.93 -59.19	169.01 11.89 0.00
BOWLINE___1 23526	135.71 3.03 -82.93	145.98 8.05 0.00	163.07 8.84 0.00	165.80 8.44 0.00	166.84 8.99 -10.87	160.41 9.50 0.00	257.59 13.20 0.00	271.66 14.17 0.00	228.00 12.71 0.00	189.79 12.04 0.00	161.04 6.12 -72.35	154.72 6.50 -60.03	144.15 8.99 -11.96	149.04 9.78 -5.67	148.09 7.18 -42.49	143.38 9.36 -4.75	148.97 10.19 0.00	191.58 12.42 -4.17	177.72 8.80 -47.64	156.15 5.72 -72.14	177.54 11.89 -4.31	163.26 8.07 -45.37	163.05 7.86 -47.04	167.75 10.63 0.00
BOWLINE___2 23595	135.73 3.06 -82.93	145.99 8.06 0.00	163.12 8.89 0.00	165.81 8.45 0.00	167.05 9.19 -10.87	160.65 9.74 0.00	257.98 13.59 0.00	272.11 14.63 0.00	228.31 13.01 0.00	190.04 12.29 0.00	161.18 6.25 -72.35	154.87 6.64 -60.04	144.35 9.19 -11.96	149.27 10.02 -5.67	148.27 7.35 -42.50	143.59 9.58 -4.75	149.17 10.39 0.00	191.87 12.70 -4.17	177.90 8.98 -47.64	156.29 5.85 -72.14	177.79 12.14 -4.31	163.43 8.23 -45.38	163.22 8.01 -47.04	167.99 10.87 0.00
BRADY___115KV_TB2 356060	49.26 -0.49 0.00	136.71 -1.22 0.00	153.62 -0.61 0.00	158.46 1.09 0.00	146.93 -0.06 0.00	150.26 -0.66 0.00	245.21 0.82 0.00	258.01 0.53 0.00	214.36 -0.93 0.00	174.79 -2.96 0.00	80.22 -2.35 0.00	85.07 -3.13 0.00	118.50 -4.70 0.00	127.93 -5.65 0.00	94.09 -4.33 0.00	124.07 -5.20 0.00	134.32 -4.46 0.00	170.45 -4.56 0.00	118.18 -3.10 0.00	76.40 -1.90 0.00	157.68 -3.65 0.00	107.93 -1.89 0.00	106.42 -1.75 0.00	155.40 -1.72 0.00
BRANSCOMB___SOLAR 323811	163.72 3.81 -110.17	148.30 10.37 0.00	165.82 11.60 0.00	168.47 11.11 0.00	172.11 11.06 -14.06	162.74 11.82 0.00	262.13 17.74 0.00	276.30 18.82 0.00	231.67 16.38 0.00	190.59 12.84 0.00	181.88 5.76 -93.55	171.64 5.82 -77.62	146.99 8.33 -15.46	150.40 9.48 -7.33	160.32 6.97 -54.93	144.91 9.50 -6.14	149.49 10.71 0.00	194.45 14.04 -5.40	192.73 9.70 -61.75	177.81 6.02 -93.49	179.15 12.23 -5.58	176.99 8.38 -58.79	177.43 8.31 -60.95	169.25 12.12 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	143.14 4.94 -88.46	155.15 13.64 -3.59	168.04 13.81 0.00	169.55 12.19 0.00	172.08 13.89 -11.21	164.70 13.78 0.00	262.30 17.90 0.00	279.07 21.59 0.00	234.11 18.82 0.00	195.49 17.74 0.00	166.36 9.22 -74.57	160.56 8.95 -63.41	152.20 13.30 -15.71	157.32 14.78 -8.95	156.64 10.52 -47.70	155.72 14.12 -12.33	184.37 15.48 -30.11	197.64 18.35 -4.30	183.61 13.23 -49.11	161.89 8.63 -74.96	183.11 17.33 -4.44	167.58 10.99 -46.77	166.74 10.09 -48.49	170.79 13.67 0.00

BRISTLHL_115KV_TB1 79998	55.67 -1.02 -6.94	134.80 -3.13 0.00	150.80 -3.43 0.00	153.60 -3.76 0.00	144.58 -3.30 -0.89	147.66 -3.25 0.00	239.11 -5.28 0.00	252.32 -5.16 0.00	211.15 -4.14 0.00	174.57 -3.18 0.00	86.95 -1.53 -5.92	91.47 -1.63 -4.91	121.72 -2.46 -0.98	131.65 -2.40 -0.46	100.29 -1.61 -3.47	127.53 -2.13 -0.39	136.39 -2.39 0.00	172.19 -3.15 -0.34	123.04 -2.14 -3.90	82.72 -1.48 -5.90	158.53 -3.16 -0.35	111.31 -2.22 -3.71	109.73 -2.28 -3.85	153.78 -3.34 0.00
BROOKHAVEN___DRP 24191	142.99 4.79 -88.46	154.68 13.16 -3.59	167.54 13.31 0.00	169.01 11.65 0.00	171.62 13.42 -11.21	164.09 13.17 0.00	259.14 14.74 0.00	275.93 18.45 0.00	231.30 16.01 0.00	193.59 15.84 0.00	165.82 8.68 -74.57	159.21 7.84 -63.18	150.18 11.62 -15.37	155.28 12.91 -8.79	155.17 9.22 -47.53	153.94 12.71 -11.96	183.35 14.69 -29.88	195.59 16.29 -4.30	182.43 12.04 -49.11	161.02 7.76 -74.96	181.41 15.63 -4.44	166.13 9.54 -46.77	165.29 8.64 -48.49	168.82 11.69 0.00
BROOKLYN_NAVY_YARD 23515	142.20 3.97 -88.48	148.29 10.36 0.00	165.57 11.34 0.00	168.53 11.17 0.00	169.50 11.30 -11.21	162.82 11.91 0.00	261.32 16.92 0.00	275.51 18.03 0.00	231.62 16.33 0.00	193.33 15.58 0.00	164.82 7.66 -74.60	158.26 8.17 -61.90	146.96 11.42 -12.33	151.88 12.44 -5.85	151.31 9.08 -43.81	146.18 12.02 -4.90	151.73 12.95 0.00	194.78 15.48 -4.30	181.22 10.82 -49.12	159.82 7.14 -74.38	180.77 14.99 -4.44	166.80 10.20 -46.78	166.71 10.05 -48.50	170.71 13.59 0.00
BROOKLYN___ARMY_DRP 323595	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
BROOKVLE_69_KV_TB1 55790	143.07 4.86 -88.46	154.62 13.10 -3.59	167.94 13.71 0.00	169.94 12.58 0.00	171.80 13.61 -11.21	164.87 13.95 0.00	263.89 19.50 0.00	279.64 22.16 0.00	234.75 19.46 0.00	195.59 17.84 0.00	166.39 9.25 -74.57	165.47 9.44 -67.84	158.85 13.57 -22.08	160.62 14.90 -12.14	160.09 10.77 -50.90	162.89 14.34 -19.28	188.65 15.51 -34.37	197.37 18.07 -4.30	183.25 12.86 -49.11	161.89 8.63 -74.96	183.38 17.60 -4.44	168.01 11.42 -46.77	167.33 10.68 -48.49	171.65 14.52 0.00
BROOME_2_LFGE 323671	77.40 -0.05 -27.70	137.84 -0.08 0.00	154.54 0.31 0.00	156.95 -0.42 0.00	149.22 -0.27 -2.50	150.04 -0.31 0.56	243.44 -0.96 0.00	257.11 -0.37 0.00	215.12 0.32 0.50	178.15 0.40 0.00	106.08 0.06 -23.45	108.44 0.34 -19.91	127.96 0.79 -3.97	136.62 1.15 -1.88	113.55 1.04 -14.09	132.69 1.38 -2.04	140.35 1.05 -0.52	176.17 0.62 -0.55	137.50 0.52 -15.69	102.49 0.19 -24.00	163.00 0.50 -1.16	125.16 0.40 -14.94	124.05 0.38 -15.50	157.72 0.59 0.00
BROOME___LFGE 323600	77.40 -0.05 -27.70	137.84 -0.08 0.00	154.54 0.31 0.00	156.95 -0.42 0.00	149.22 -0.27 -2.50	150.04 -0.31 0.56	243.44 -0.96 0.00	257.11 -0.37 0.00	215.12 0.32 0.50	178.15 0.40 0.00	106.08 0.06 -23.45	108.44 0.34 -19.91	127.96 0.79 -3.97	136.62 1.15 -1.88	113.55 1.04 -14.09	132.69 1.38 -2.04	140.35 1.05 -0.52	176.17 0.62 -0.55	137.50 0.52 -15.69	102.49 0.19 -24.00	163.00 0.50 -1.16	125.16 0.40 -14.94	124.05 0.38 -15.50	157.72 0.59 0.00
BROWNFLS_115KV_TB_3_5 80003	52.21 0.24 -2.24	138.45 0.52 0.00	155.36 1.14 0.00	159.49 2.13 0.00	148.34 1.07 -0.29	151.57 0.65 0.00	246.20 1.80 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.89 -2.62 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.34 -2.05 -0.12	137.59 -1.19 0.00	173.85 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.78 -0.23 -1.19	109.47 0.07 -1.24	158.02 0.90 0.00
BROWNSV1_27_KV_LOAD 356125	142.85 4.63 -88.48	150.06 12.13 0.00	167.55 13.32 0.00	170.47 13.11 0.00	171.33 13.14 -11.21	164.80 13.88 0.00	264.70 20.30 0.00	279.15 21.67 0.00	234.72 19.43 0.00	195.90 18.15 0.00	165.93 8.76 -74.60	159.50 9.40 -61.90	148.62 13.08 -12.33	153.67 14.24 -5.85	152.63 10.40 -43.81	147.92 13.76 -4.90	153.58 14.80 0.00	197.21 17.91 -4.30	182.93 12.53 -49.12	160.84 8.16 -74.38	182.95 17.17 -4.44	168.25 11.65 -46.78	168.03 11.37 -48.50	172.61 15.49 0.00
BURROWS___LYONSDAL 23803	54.30 1.73 -2.82	142.61 4.69 0.00	159.65 5.42 0.00	162.90 5.54 0.00	152.39 5.05 -0.36	156.39 5.48 0.00	254.13 9.74 0.00	268.69 11.21 0.00	224.68 9.38 0.00	185.13 7.37 0.00	88.07 3.09 -2.40	92.96 2.77 -1.99	126.96 3.36 -0.40	137.32 3.55 -0.19	102.66 2.82 -1.41	133.73 4.30 -0.16	144.32 5.54 0.00	182.53 7.39 -0.14	127.70 4.84 -1.58	83.43 2.73 -2.40	167.23 5.75 -0.14	115.49 4.17 -1.51	113.70 3.98 -1.56	162.93 5.80 0.00
CAITHNESS_CC_1 323624	142.87 4.67 -88.46	154.35 12.83 -3.59	167.18 12.95 0.00	168.65 11.29 0.00	171.30 13.11 -11.21	163.75 12.84 0.00	258.93 14.54 0.00	275.84 18.36 0.00	231.36 16.06 0.00	193.57 15.82 0.00	165.71 8.56 -74.57	159.23 7.86 -63.17	150.30 11.75 -15.36	155.37 13.01 -8.78	155.23 9.28 -47.53	153.89 12.67 -11.95	183.08 14.43 -29.87	195.55 16.25 -4.30	182.33 11.94 -49.11	160.99 7.73 -74.96	181.35 15.57 -4.44	166.24 9.66 -46.77	165.33 8.68 -48.49	168.93 11.81 0.00
CALPINE BETH_PAGE_GT4 24209	142.95 4.74 -88.46	154.36 12.85 -3.59	167.46 13.23 0.00	169.31 11.95 0.00	171.25 13.06 -11.21	163.81 12.89 0.00	261.93 17.53 0.00	277.83 20.35 0.00	233.17 17.88 0.00	194.55 16.80 0.00	166.07 8.92 -74.57	163.67 8.97 -66.51	156.35 12.99 -20.16	159.11 14.34 -11.18	158.68 10.31 -49.94	160.27 13.81 -17.19	186.42 14.56 -33.09	196.66 17.36 -4.30	182.80 12.41 -49.11	161.38 8.13 -74.96	182.24 16.46 -4.44	167.16 10.57 -46.77	166.32 9.67 -48.49	170.23 13.11 0.00
CALPINE_BETH_PAGE_GT_4 323586	142.95 4.74 -88.46	154.36 12.84 -3.59	167.46 13.23 0.00	169.31 11.94 0.00	171.28 13.09 -11.21	163.79 12.87 0.00	261.95 17.55 0.00	277.82 20.34 0.00	233.18 17.88 0.00	194.55 16.79 0.00	166.07 8.92 -74.57	163.67 8.97 -66.51	156.37 13.01 -20.16	159.12 14.36 -11.18	158.68 10.32 -49.94	160.27 13.81 -17.19	186.43 14.57 -33.09	196.63 17.34 -4.30	182.80 12.41 -49.11	161.38 8.13 -74.96	182.24 16.46 -4.44	167.21 10.63 -46.77	166.31 9.66 -48.49	170.23 13.10 0.00
CALPINE_BP_GT1 23823	142.95 4.74 -88.46	154.36 12.84 -3.59	167.46 13.23 0.00	169.31 11.94 0.00	171.28 13.09 -11.21	163.79 12.87 0.00	261.95 17.55 0.00	277.82 20.34 0.00	233.18 17.88 0.00	194.55 16.79 0.00	166.07 8.92 -74.57	163.67 8.97 -66.51	156.37 13.01 -20.16	159.12 14.36 -11.18	158.68 10.32 -49.94	160.27 13.81 -17.19	186.43 14.57 -33.09	196.63 17.34 -4.30	182.80 12.41 -49.11	161.38 8.13 -74.96	182.24 16.46 -4.44	167.21 10.63 -46.77	166.31 9.66 -48.49	170.23 13.10 0.00
CALSPAN___DRP 24200	59.73 -3.58 -13.57	128.36 -9.56 0.00	143.89 -10.34 0.00	146.49 -10.88 0.00	136.04 -10.35 0.59	138.89 -10.78 1.25	226.48 -17.91 0.00	236.64 -20.84 0.00	197.41 -16.84 1.04	164.53 -13.22 0.00	86.54 -7.13 -11.10	91.43 -6.93 -10.17	115.97 -9.27 -2.04	126.31 -8.24 -0.96	100.09 -5.56 -7.23	122.46 -7.61 -0.81	129.60 -9.18 0.00	158.89 -12.31 3.80	119.08 -9.21 -7.01	84.01 -6.57 -12.28	147.93 -13.38 0.03	108.15 -9.13 -7.47	107.54 -8.40 -7.78	147.06 -10.06 0.00

CALVERTON___SOLAR 323806	143.15 4.94 -88.46	155.16 13.65 -3.59	168.03 13.80 0.00	169.56 12.20 0.00	172.17 13.98 -11.21	164.53 13.61 0.00	259.58 15.19 0.00	276.35 18.87 0.00	231.59 16.30 0.00	193.87 16.11 0.00	166.02 8.88 -74.57	159.27 7.90 -63.18	150.30 11.73 -15.37	155.35 12.99 -8.79	155.23 9.28 -47.53	154.13 12.90 -11.96	183.81 15.15 -29.88	195.93 16.63 -4.30	182.74 12.36 -49.11	161.18 7.92 -74.96	181.65 15.87 -4.44	166.29 9.70 -46.77	165.34 8.69 -48.49	168.88 11.76 0.00
CANDIGU_WT_PWR 323617	64.44 -2.99 -17.68	129.86 -8.06 0.00	146.56 -7.67 0.00	148.09 -9.27 0.00	136.29 -8.89 1.80	139.93 -8.80 2.19	230.56 -13.83 0.00	243.62 -13.87 0.00	202.97 -10.36 1.96	169.47 -8.29 0.00	92.21 -4.68 -14.31	97.42 -4.43 -13.66	120.37 -5.55 -2.71	130.37 -4.50 -1.29	105.36 -2.70 -9.64	128.82 -3.29 -2.84	136.33 -4.40 -1.95	165.55 -7.01 2.44	126.57 -5.02 -10.32	91.31 -3.61 -16.63	153.77 -7.50 0.07	114.72 -4.95 -9.86	113.59 -4.85 -10.28	150.88 -6.25 0.00
CARR STREET_E_SYR 24060	56.80 -0.89 -7.94	135.35 -2.58 0.00	151.44 -2.79 0.00	154.23 -3.13 0.00	145.30 -2.71 -1.02	148.25 -2.66 0.00	239.99 -4.40 0.00	253.17 -4.31 0.00	211.97 -3.32 0.00	175.25 -2.50 0.00	88.13 -1.22 -6.77	92.56 -1.25 -5.62	122.64 -1.68 -1.12	132.57 -1.54 -0.53	101.40 -1.00 -3.98	128.37 -1.34 -0.44	137.24 -1.54 0.00	173.27 -2.13 -0.39	124.26 -1.48 -4.46	83.96 -1.10 -6.76	159.36 -2.38 -0.40	112.41 -1.65 -4.25	110.86 -1.71 -4.41	154.64 -2.48 0.00
CARTHAGE___PAPER 23857	55.61 1.90 -3.96	143.03 5.11 0.00	160.11 5.88 0.00	163.58 6.22 0.00	153.02 5.53 -0.51	156.89 5.98 0.00	256.13 11.74 0.00	271.26 13.78 0.00	226.54 11.25 0.00	185.94 8.19 0.00	88.99 3.04 -3.37	93.64 2.65 -2.80	126.44 2.68 -0.56	136.48 2.63 -0.27	102.54 2.13 -1.98	133.39 3.90 -0.22	144.74 5.96 0.00	183.56 8.36 -0.19	128.86 5.36 -2.22	84.45 2.78 -3.37	167.65 6.11 -0.20	116.52 4.59 -2.12	114.69 4.34 -2.20	163.71 6.59 0.00
CASSADAGA_WT_PWR 323784	60.53 -3.39 -14.18	127.55 -10.38 0.00	143.99 -10.24 0.00	147.79 -9.58 0.00	137.81 -8.43 0.75	140.72 -8.81 1.38	231.09 -13.31 0.00	244.40 -13.08 0.00	205.33 -8.87 1.10	171.19 -6.56 0.00	89.90 -4.25 -11.57	94.69 -4.12 -10.62	118.84 -6.49 -2.13	129.40 -5.20 -1.01	102.54 -3.46 -7.58	122.94 -4.55 1.78	130.30 -5.57 2.90	156.56 -7.52 10.92	120.64 -5.80 -5.16	86.34 -4.47 -12.51	151.72 -9.12 0.50	111.25 -6.39 -7.82	110.24 -6.06 -8.15	149.63 -7.50 0.00
CE_DUNWOOD___DRP 24194	141.84 3.75 -88.35	147.73 9.81 0.00	164.97 10.75 0.00	167.66 10.29 0.00	168.78 10.61 -11.19	162.04 11.13 0.00	260.15 15.76 0.00	274.46 16.98 0.00	230.38 15.09 0.00	191.92 14.17 0.00	164.11 7.10 -74.44	157.50 7.54 -61.77	146.01 10.50 -12.31	150.85 11.43 -5.84	150.50 8.36 -43.72	145.15 10.99 -4.88	150.66 11.88 0.00	193.74 14.45 -4.29	180.46 10.16 -49.02	159.13 6.61 -74.22	179.52 13.75 -4.43	165.78 9.28 -46.68	165.62 9.06 -48.40	169.48 12.36 0.00
CE_MILLWOOD___DRP 24193	141.30 3.62 -87.93	147.37 9.45 0.00	164.55 10.32 0.00	167.28 9.91 0.00	168.38 10.25 -11.15	161.68 10.76 0.00	259.52 15.12 0.00	273.75 16.27 0.00	229.79 14.50 0.00	191.39 13.64 0.00	163.56 6.83 -74.15	156.98 7.25 -61.53	145.58 10.12 -12.26	150.38 10.99 -5.81	150.02 8.05 -43.55	144.70 10.57 -4.87	150.18 11.40 0.00	193.20 13.93 -4.27	179.91 9.80 -48.83	158.61 6.38 -73.93	179.02 13.26 -4.42	165.28 8.96 -46.51	165.10 8.73 -48.21	169.05 11.93 0.00
CE_NYC2_DRP 24202	142.42 4.18 -88.49	148.88 10.96 0.00	166.24 12.02 0.00	169.07 11.72 0.00	169.98 11.78 -11.21	163.33 12.41 0.00	262.33 17.93 0.00	276.42 18.94 0.00	232.37 17.08 0.00	194.08 16.33 0.00	165.30 8.12 -74.61	158.72 8.62 -61.90	147.60 12.06 -12.33	152.38 12.94 -5.85	151.69 9.45 -43.82	146.69 12.52 -4.90	152.14 13.36 0.00	195.25 15.95 -4.30	181.65 11.24 -49.12	160.14 7.46 -74.38	181.27 15.49 -4.44	167.14 10.53 -46.79	166.85 10.18 -48.51	170.95 13.83 0.00
CE_NYC_DRP 24195	142.30 4.08 -88.48	148.60 10.67 0.00	165.93 11.70 0.00	168.87 11.51 0.00	201.57 11.62 -42.97	218.87 12.27 -55.68	261.90 17.51 0.00	286.46 18.70 -10.27	232.19 16.90 0.00	193.80 16.05 0.00	193.57 7.89 -103.12	158.47 8.38 -61.90	147.25 11.71 -12.33	152.20 12.77 -5.85	151.54 9.30 -43.81	146.51 12.35 -4.90	152.03 13.25 0.00	195.21 15.91 -4.30	181.51 11.12 -49.12	159.94 7.26 -74.37	181.09 15.31 -4.44	166.96 10.36 -46.78	166.82 10.16 -48.50	170.88 13.76 0.00
CHAFFEE___LFGE 323603	60.72 -3.10 -14.08	129.69 -8.24 0.00	145.34 -8.88 0.00	147.89 -9.47 0.00	137.28 -9.02 0.68	140.21 -9.37 1.33	228.58 -15.81 0.00	239.26 -18.22 0.00	199.78 -14.43 1.08	166.41 -11.35 0.00	87.89 -6.18 -11.50	92.71 -6.03 -10.54	117.16 -8.16 -2.11	127.57 -7.02 -1.00	101.29 -4.65 -7.51	120.92 -6.50 1.84	128.04 -7.78 2.96	153.66 -10.44 10.91	118.28 -8.08 -5.08	84.89 -5.80 -12.39	149.08 -11.77 0.48	109.52 -8.05 -7.76	108.84 -7.40 -8.08	148.28 -8.84 0.00
CHATEAUG_35_KV_LOAD 355732	49.62 -0.12 0.00	137.76 -0.16 0.00	154.26 0.03 0.00	158.09 0.73 0.00	147.07 0.08 0.00	150.42 -0.50 0.00	244.73 0.34 0.00	256.94 -0.54 0.00	214.49 -0.80 0.00	175.65 -2.11 0.00	81.09 -1.49 0.00	86.24 -1.95 0.00	119.94 -3.26 0.00	129.40 -4.18 0.00	95.15 -3.27 0.00	126.02 -3.25 0.00	136.32 -2.46 0.00	172.55 -2.45 0.00	119.66 -1.62 0.00	77.13 -1.17 0.00	158.55 -2.79 0.00	108.00 -1.81 0.00	106.63 -1.53 0.00	155.71 -1.42 0.00
CHATEAUG_WT_PWR 323614	49.51 -0.23 0.00	137.48 -0.45 0.00	153.96 -0.26 0.00	157.74 0.38 0.00	146.78 -0.20 0.00	150.14 -0.77 0.00	243.94 -0.46 0.00	256.19 -1.29 0.00	213.78 -1.51 0.00	175.28 -2.48 0.00	80.99 -1.59 0.00	86.11 -2.09 0.00	119.85 -3.35 0.00	129.38 -4.21 0.00	95.25 -3.17 0.00	125.99 -3.27 0.00	136.03 -2.75 0.00	171.97 -3.03 0.00	119.21 -2.07 0.00	76.85 -1.44 0.00	158.01 -3.33 0.00	107.61 -2.20 0.00	106.32 -1.84 0.00	155.36 -1.77 0.00
CHAT_HIGH_FALL_HYD 323578	49.62 -0.12 0.00	137.76 -0.16 0.00	154.26 0.03 0.00	158.09 0.73 0.00	147.07 0.08 0.00	150.42 -0.50 0.00	244.73 0.34 0.00	256.94 -0.54 0.00	214.49 -0.80 0.00	175.65 -2.11 0.00	81.09 -1.49 0.00	86.24 -1.95 0.00	119.94 -3.26 0.00	129.40 -4.18 0.00	95.15 -3.27 0.00	126.02 -3.25 0.00	136.32 -2.46 0.00	172.55 -2.45 0.00	119.66 -1.62 0.00	77.13 -1.17 0.00	158.55 -2.79 0.00	108.00 -1.81 0.00	106.63 -1.53 0.00	155.71 -1.42 0.00
CHAUTAUQUA___LFGE 323629	60.18 -3.37 -13.81	127.94 -9.99 0.00	143.87 -10.36 0.00	147.22 -10.14 0.00	136.93 -9.39 0.66	139.66 -9.95 1.31	228.95 -15.45 0.00	240.78 -16.70 0.00	201.59 -12.63 1.07	168.11 -9.64 0.00	88.35 -5.51 -11.29	93.19 -5.36 -10.35	117.35 -7.93 -2.08	127.77 -6.79 -0.98	101.33 -4.46 -7.37	121.66 -6.03 1.58	128.92 -7.21 2.65	155.24 -9.66 10.11	119.16 -7.30 -5.17	85.14 -5.35 -12.19	149.85 -11.05 0.44	109.84 -7.59 -7.61	108.95 -7.14 -7.93	148.32 -8.80 0.00
CHERRYST_13_KV_LD 356241	142.46 4.24 -88.48	149.01 11.09 0.00	166.39 12.16 0.00	169.34 11.98 0.00	170.29 12.10 -11.21	163.68 12.76 0.00	262.76 18.37 0.00	277.09 19.61 0.00	233.02 17.73 0.00	194.53 16.78 0.00	165.37 8.20 -74.60	158.85 8.76 -61.90	147.75 12.21 -12.33	152.75 13.32 -5.85	151.96 9.72 -43.81	147.05 12.89 -4.90	152.60 13.83 0.00	195.95 16.64 -4.30	181.99 11.59 -49.12	160.21 7.53 -74.37	181.61 15.83 -4.44	167.31 10.72 -46.78	167.15 10.49 -48.50	171.37 14.24 0.00

CHESTROR_138KV_BK263 355645	133.14 2.98 -80.41	145.85 7.93 0.00	162.97 8.74 0.00	165.66 8.30 0.00	166.01 8.60 -10.42	159.90 8.99 0.00	256.97 12.58 0.00	270.95 13.47 0.00	227.37 12.08 0.00	189.01 11.26 0.00	157.61 5.69 -69.35	151.84 6.11 -57.54	143.10 8.44 -11.47	148.19 9.17 -5.44	145.89 6.73 -40.73	142.58 8.76 -4.55	148.34 9.56 0.00	190.76 11.76 -4.00	175.26 8.31 -45.67	152.83 5.38 -69.15	176.65 11.18 -4.13	160.86 7.55 -43.49	160.66 7.41 -45.09	167.21 10.08 0.00
CH_MIDHUDSON___DRP 24192	142.94 3.84 -89.35	148.14 10.22 0.00	165.49 11.26 0.00	168.12 10.76 0.00	169.31 10.92 -11.41	162.31 11.39 0.00	260.70 16.31 0.00	275.05 17.57 0.00	230.82 15.52 0.00	191.91 14.15 0.00	165.46 7.00 -75.89	158.61 7.45 -62.97	146.04 10.29 -12.55	150.71 11.17 -5.95	151.18 8.19 -44.57	144.99 10.74 -4.98	150.40 11.62 0.00	193.81 14.43 -4.37	181.47 10.20 -49.99	160.57 6.58 -75.69	179.45 13.59 -4.52	166.62 9.19 -47.61	166.53 9.02 -49.36	169.67 12.55 0.00
CH_MISC_IPPS 23765	141.46 4.06 -87.65	148.81 10.89 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.25 17.85 0.00	276.71 19.23 0.00	232.24 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.09 8.02 -61.88	146.69 11.16 -12.33	151.47 12.04 -5.85	151.06 8.84 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.02 15.72 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.97 -46.78	166.37 9.71 -48.50	170.62 13.50 0.00
CH_RES_BVR_FALLS 23983	49.10 -0.64 0.00	136.28 -1.64 0.00	152.41 -1.82 0.00	156.06 -1.30 0.00	145.35 -1.64 0.00	149.08 -1.84 0.00	242.60 -1.79 0.00	255.21 -2.27 0.00	212.80 -2.49 0.00	175.07 -2.69 0.00	81.08 -1.49 0.00	86.47 -1.72 0.00	120.61 -2.59 0.00	130.60 -2.98 0.00	96.19 -2.24 0.00	126.59 -2.68 0.00	136.07 -2.71 0.00	171.74 -3.26 0.00	118.99 -2.29 0.00	76.83 -1.47 0.00	158.40 -2.94 0.00	107.91 -1.90 0.00	106.38 -1.78 0.00	154.79 -2.34 0.00
CH_RES_NIAGARA 23895	57.43 -4.91 -12.59	124.30 -13.62 0.00	139.23 -14.99 0.00	141.97 -15.39 0.00	131.77 -14.83 0.39	134.25 -15.59 1.07	217.86 -26.53 0.00	226.18 -31.30 0.00	188.58 -25.80 0.91	156.89 -20.86 0.00	82.28 -10.63 -10.33	86.96 -10.64 -9.41	110.72 -14.36 -1.88	120.79 -13.69 -0.89	95.65 -9.45 -6.68	117.27 -12.75 -0.74	123.95 -14.83 0.00	152.56 -19.22 3.22	113.72 -14.10 -6.54	79.94 -9.71 -11.35	141.49 -19.87 -0.02	103.16 -13.57 -6.92	102.71 -12.65 -7.20	141.51 -15.61 0.00
CH_RES_SYRACUSE 23985	58.16 -0.47 -8.89	136.48 -1.44 0.00	152.66 -1.57 0.00	155.60 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.66 -1.83 0.00	213.94 -1.35 0.00	176.73 -1.02 0.00	89.59 -0.56 -7.57	93.97 -0.51 -6.28	123.77 -0.68 -1.25	133.67 -0.50 -0.59	102.62 -0.25 -4.45	129.47 -0.30 -0.50	138.45 -0.33 0.00	174.88 -0.55 -0.44	125.89 -0.38 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.66 -4.75	112.36 -0.73 -4.92	155.99 -1.14 0.00
CLINTON_WT_PWR 323605	49.51 -0.23 0.00	137.48 -0.45 0.00	153.96 -0.26 0.00	157.74 0.38 0.00	146.78 -0.20 0.00	150.14 -0.77 0.00	243.94 -0.46 0.00	256.19 -1.29 0.00	213.78 -1.51 0.00	175.28 -2.48 0.00	80.99 -1.59 0.00	86.11 -2.09 0.00	119.85 -3.35 0.00	129.38 -4.21 0.00	95.25 -3.17 0.00	125.99 -3.27 0.00	136.03 -2.75 0.00	171.97 -3.03 0.00	119.21 -2.07 0.00	76.85 -1.44 0.00	158.01 -3.33 0.00	107.61 -2.20 0.00	106.32 -1.84 0.00	155.36 -1.77 0.00
CLINTON___LFGE 323618	50.78 1.03 0.00	140.77 2.85 0.00	157.61 3.39 0.00	161.14 3.78 0.00	150.12 3.14 0.00	153.26 2.35 0.00	248.36 3.97 0.00	261.16 3.68 0.00	218.12 2.83 0.00	178.58 0.82 0.00	82.29 -0.28 0.00	87.37 -0.82 0.00	121.56 -1.64 0.00	131.20 -2.38 0.00	96.76 -1.66 0.00	128.18 -1.09 0.00	138.73 -0.05 0.00	175.71 0.71 0.00	121.92 0.64 0.00	78.49 0.20 0.00	161.04 -0.30 0.00	109.65 -0.17 0.00	108.41 0.24 0.00	158.87 1.74 0.00
COBBLENY_34_KV_TB1 80064	60.69 -3.13 -14.08	129.67 -8.25 0.00	145.34 -8.89 0.00	147.91 -9.46 0.00	137.34 -8.97 0.68	140.25 -9.33 1.33	228.65 -15.74 0.00	239.36 -18.12 0.00	199.83 -14.38 1.08	166.52 -11.23 0.00	87.87 -6.20 -11.50	92.73 -6.01 -10.54	117.20 -8.11 -2.11	127.60 -6.98 -1.00	101.27 -4.66 -7.51	123.71 -6.39 -0.84	130.96 -7.82 0.00	160.43 -10.50 4.08	120.51 -8.02 -7.25	85.28 -5.79 -12.76	149.55 -11.74 0.05	109.49 -8.08 -7.76	108.83 -7.41 -8.08	148.34 -8.78 0.00
COFFEEN___115KV_TB3 355620	56.49 2.22 -4.53	143.73 5.80 0.00	160.89 6.66 0.00	164.10 6.74 0.00	153.80 6.23 -0.58	157.84 6.93 0.00	258.10 13.70 0.00	273.87 16.39 0.00	228.86 13.57 0.00	187.82 10.06 0.00	90.16 3.72 -3.86	94.77 3.37 -3.20	127.37 3.53 -0.64	137.41 3.52 -0.30	103.48 2.79 -2.27	134.36 4.84 -0.25	146.18 7.40 0.00	185.82 10.59 -0.22	130.79 6.97 -2.55	85.87 3.71 -3.85	169.59 8.02 -0.23	118.01 5.77 -2.42	116.00 5.32 -2.51	164.84 7.72 0.00
COLDSPRG_115KV_BK1 355956	62.29 -2.21 -14.76	131.83 -6.09 0.00	148.28 -5.95 0.00	151.23 -6.13 0.00	140.74 -5.36 0.88	143.65 -5.77 1.49	235.14 -9.25 0.00	248.50 -8.98 0.00	208.57 -5.59 1.14	173.75 -4.01 0.00	91.71 -2.89 -12.02	96.51 -2.72 -11.04	121.68 -3.75 -2.23	132.36 -2.28 -1.06	104.71 -1.62 -7.91	127.99 -2.16 -0.88	135.54 -3.23 0.00	165.45 -4.94 4.61	124.63 -4.21 -7.56	88.28 -3.46 -13.44	154.54 -6.69 0.11	113.28 -4.69 -8.15	112.54 -4.12 -8.49	152.60 -4.52 0.00
COLONIE_LFGE___ 323577	161.49 3.00 -108.75	146.02 8.09 0.00	163.22 8.99 0.00	165.85 8.48 0.00	169.49 8.62 -13.88	159.97 9.05 0.00	257.05 12.66 0.00	270.92 13.44 0.00	227.13 11.84 0.00	187.84 10.09 0.00	179.85 4.92 -92.35	169.78 4.96 -76.63	145.38 6.91 -15.27	148.52 7.70 -7.24	158.31 5.65 -54.24	142.82 7.49 -6.06	146.69 7.91 0.00	190.63 10.30 -5.33	189.39 7.14 -60.97	175.01 4.40 -92.32	175.91 9.06 -5.51	174.19 6.32 -58.05	174.66 6.31 -60.19	166.35 9.22 0.00
COOPERNY_115KV_TB1 80082	117.82 2.19 -65.88	143.81 5.88 0.00	160.77 6.54 0.00	163.51 6.15 0.00	161.85 6.38 -8.49	157.58 6.67 0.00	253.55 9.16 0.00	267.31 9.83 0.00	224.14 8.85 0.00	186.05 8.30 0.00	143.23 4.18 -56.48	139.60 4.55 -46.86	138.84 6.30 -9.34	144.91 6.90 -4.43	136.70 5.10 -33.17	139.56 6.59 -3.71	145.92 7.14 0.00	186.93 8.67 -3.25	164.64 6.16 -37.20	138.62 3.99 -56.33	172.97 8.27 -3.37	150.88 5.64 -35.43	150.36 5.47 -36.73	164.56 7.44 0.00
COPENHAGEN_WT_PWR 323753	56.00 1.57 -4.69	141.96 4.04 0.00	158.92 4.69 0.00	162.07 4.71 0.00	151.92 4.34 -0.60	155.73 4.81 0.00	254.25 9.86 0.00	269.55 12.07 0.00	225.27 9.98 0.00	185.10 7.34 0.00	89.20 2.63 -3.99	93.81 2.30 -3.31	125.81 1.95 -0.66	135.85 1.96 -0.31	102.51 1.74 -2.35	132.89 3.35 -0.26	144.08 5.30 0.00	182.85 7.62 -0.23	128.71 4.80 -2.63	84.45 2.16 -3.99	166.55 4.98 -0.24	116.17 3.85 -2.51	114.37 3.62 -2.60	162.63 5.51 0.00
CORNELL_____ 23752	74.20 0.77 -23.69	139.90 1.97 0.00	156.62 2.39 0.00	159.48 2.12 0.00	162.92 2.16 -13.77	159.06 2.38 -5.77	248.52 4.13 0.00	262.86 5.38 0.00	225.27 4.97 -5.01	181.46 3.71 0.00	105.99 1.27 -22.14	103.39 1.39 -13.81	128.38 2.44 -2.75	138.02 3.13 -1.30	110.75 2.56 -9.76	133.74 3.38 -1.09	142.70 3.92 0.00	201.67 4.91 -21.75	140.77 3.45 -16.04	96.98 2.10 -16.59	169.98 4.14 -4.50	124.13 2.72 -11.60	122.47 2.45 -11.86	160.51 3.39 0.00

CORONA_69_KV_TB1 355595	142.77 4.56 -88.46	153.72 12.20 -3.59	166.94 12.71 0.00	169.01 11.65 0.00	170.85 12.65 -11.21	163.96 13.05 0.00	262.50 18.11 0.00	278.06 20.58 0.00	233.43 18.13 0.00	194.50 16.74 0.00	165.82 8.67 -74.57	178.86 8.94 -81.73	178.06 12.82 -42.04	169.79 14.09 -22.12	169.55 10.20 -60.92	183.85 13.53 -41.06	201.17 14.67 -47.72	196.88 17.59 -4.30	182.84 12.46 -49.11	161.40 8.15 -74.96	182.43 16.64 -4.44	167.39 10.80 -46.77	166.81 10.16 -48.49	170.90 13.77 0.00
CORTLAND_115KV_TB3 80093	67.09 0.45 -16.89	139.13 1.21 0.00	155.75 1.52 0.00	158.46 1.10 0.00	153.26 1.23 -5.05	153.90 1.43 -1.55	246.69 2.30 0.00	260.67 3.19 0.00	219.78 3.14 -1.35	180.37 2.61 0.00	98.57 1.08 -14.92	100.52 1.17 -11.16	127.24 1.81 -2.22	136.90 2.27 -1.05	108.07 1.75 -7.89	132.52 2.37 -0.88	141.35 2.57 0.00	184.36 2.99 -6.36	133.62 2.11 -10.23	92.94 1.23 -13.41	165.57 2.49 -1.75	120.20 1.64 -8.75	118.64 1.46 -9.02	159.09 1.97 0.00
COXSACKIE___GT 23611	156.60 4.56 -102.30	150.71 12.79 0.00	168.56 14.34 0.00	171.32 13.96 0.00	173.70 13.65 -13.07	165.19 14.28 0.00	267.23 22.83 0.00	282.49 25.01 0.00	236.33 21.04 0.00	194.77 17.01 0.00	176.67 7.17 -86.93	167.75 7.42 -72.13	147.63 10.06 -14.37	151.30 10.91 -6.82	157.80 8.32 -51.06	146.62 11.64 -5.70	151.97 13.19 0.00	197.06 17.04 -5.02	190.19 11.58 -57.34	172.20 7.08 -86.82	181.14 14.61 -5.19	173.95 9.54 -54.60	173.98 9.22 -56.60	170.64 13.52 0.00
CPV_VALLEY___CC1 323721	127.62 2.49 -75.39	144.50 6.58 0.00	161.44 7.21 0.00	164.11 6.75 0.00	163.82 7.11 -9.73	158.38 7.47 0.00	254.55 10.16 0.00	268.38 10.90 0.00	225.19 9.90 0.00	187.13 9.38 0.00	152.13 4.82 -64.74	147.09 5.18 -53.72	141.11 7.20 -10.70	146.49 7.83 -5.08	142.20 5.75 -38.02	140.96 7.44 -4.25	146.87 8.09 0.00	188.59 9.86 -3.73	170.92 7.00 -42.63	147.40 4.54 -64.56	174.61 9.42 -3.86	156.85 6.43 -40.60	156.49 6.24 -42.10	165.58 8.46 0.00
CPV_VALLEY___CC2 323722	127.62 2.49 -75.39	144.50 6.58 0.00	161.44 7.21 0.00	164.11 6.75 0.00	163.82 7.11 -9.73	158.38 7.47 0.00	254.55 10.16 0.00	268.38 10.90 0.00	225.19 9.90 0.00	187.13 9.38 0.00	152.13 4.82 -64.74	147.09 5.18 -53.72	141.11 7.20 -10.70	146.49 7.83 -5.08	142.20 5.75 -38.02	140.96 7.44 -4.25	146.87 8.09 0.00	188.59 9.86 -3.73	170.92 7.00 -42.63	147.40 4.54 -64.56	174.61 9.42 -3.86	156.85 6.43 -40.60	156.49 6.24 -42.10	165.58 8.46 0.00
CRESCENT___HYD 24018	161.49 3.00 -108.75	146.02 8.09 0.00	163.22 8.99 0.00	165.85 8.48 0.00	169.49 8.62 -13.88	159.97 9.05 0.00	257.05 12.66 0.00	270.92 13.44 0.00	227.13 11.84 0.00	187.84 10.09 0.00	179.85 4.92 -92.35	169.78 4.96 -76.63	145.38 6.91 -15.27	148.52 7.70 -7.24	158.31 5.65 -54.24	142.82 7.49 -6.06	146.69 7.91 0.00	190.63 10.30 -5.33	189.39 7.14 -60.97	175.01 4.40 -92.32	175.91 9.06 -5.51	174.19 6.32 -58.05	174.66 6.31 -60.19	166.35 9.22 0.00
CRICKET___VALLEY_CC1 323756	145.91 3.59 -92.58	147.46 9.53 0.00	164.76 10.53 0.00	167.23 9.87 0.00	168.82 10.05 -11.78	161.40 10.48 0.00	258.95 14.56 0.00	272.87 15.39 0.00	228.94 13.64 0.00	190.23 12.48 0.00	167.20 6.23 -78.40	159.79 6.54 -65.05	145.14 8.98 -12.96	149.43 9.70 -6.15	151.57 7.10 -46.05	143.74 9.33 -5.14	148.78 10.00 0.00	192.08 12.57 -4.51	181.85 9.01 -51.57	162.11 5.73 -78.08	177.81 11.81 -4.67	166.96 8.03 -49.11	167.10 8.02 -50.92	168.59 11.47 0.00
CRICKET___VALLEY_CC2 323757	145.91 3.59 -92.58	147.46 9.53 0.00	164.76 10.53 0.00	167.23 9.87 0.00	168.82 10.05 -11.78	161.40 10.48 0.00	258.95 14.56 0.00	272.87 15.39 0.00	228.94 13.64 0.00	190.23 12.48 0.00	167.20 6.23 -78.40	159.79 6.54 -65.05	145.14 8.98 -12.96	149.43 9.70 -6.15	151.57 7.10 -46.05	143.74 9.33 -5.14	148.78 10.00 0.00	192.08 12.57 -4.51	181.85 9.01 -51.57	162.11 5.73 -78.08	177.81 11.81 -4.67	166.96 8.03 -49.11	167.10 8.02 -50.92	168.59 11.47 0.00
CRICKET___VALLEY_CC3 323758	145.91 3.59 -92.58	147.46 9.53 0.00	164.76 10.53 0.00	167.23 9.87 0.00	168.82 10.05 -11.78	161.40 10.48 0.00	258.95 14.56 0.00	272.87 15.39 0.00	228.94 13.64 0.00	190.23 12.48 0.00	167.20 6.23 -78.40	159.79 6.54 -65.05	145.14 8.98 -12.96	149.43 9.70 -6.15	151.57 7.10 -46.05	143.74 9.33 -5.14	148.78 10.00 0.00	192.08 12.57 -4.51	181.85 9.01 -51.57	162.11 5.73 -78.08	177.81 11.81 -4.67	166.96 8.03 -49.11	167.10 8.02 -50.92	168.59 11.47 0.00
CRUCIBLE_METL_DRP 24180	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00
DAHOWA___HYDRO 323763	164.32 4.15 -110.42	149.27 11.35 0.00	166.90 12.67 0.00	169.52 12.16 0.00	173.16 12.08 -14.10	163.86 12.94 0.00	264.14 19.75 0.00	278.49 21.00 0.00	233.68 18.38 0.00	192.11 14.36 0.00	182.68 6.36 -93.75	172.39 6.41 -77.79	147.82 9.13 -15.49	151.37 10.44 -7.35	161.09 7.63 -55.04	145.86 10.44 -6.15	150.60 11.81 0.00	195.93 15.52 -5.41	193.91 10.76 -61.88	178.66 6.67 -93.69	180.40 13.47 -5.60	177.95 9.22 -58.92	178.37 9.13 -61.08	170.47 13.34 0.00
DANC___LFGE 323619	55.75 0.48 -5.53	139.00 1.08 0.00	155.52 1.29 0.00	158.48 1.12 0.00	148.79 1.10 -0.71	152.30 1.39 0.00	247.97 3.58 0.00	262.35 4.88 0.00	219.43 4.14 0.00	180.67 2.92 0.00	88.11 0.83 -4.71	92.68 0.59 -3.91	123.99 0.01 -0.78	133.95 0.00 -0.37	101.42 0.23 -2.77	130.56 0.98 -0.31	140.94 2.16 0.00	178.57 3.29 -0.27	126.36 1.98 -3.10	83.66 0.66 -4.70	163.25 1.64 -0.28	114.14 1.37 -2.95	112.40 1.17 -3.06	159.00 1.88 0.00
DANSKAMMER___1 23586	141.46 4.06 -87.65	148.81 10.89 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.25 17.85 0.00	276.71 19.23 0.00	232.24 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.09 8.02 -61.88	146.69 11.16 -12.33	151.47 12.04 -5.85	151.06 8.84 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.02 15.72 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.97 -46.78	166.37 9.71 -48.50	170.62 13.50 0.00
DANSKAMMER___2 23589	141.46 4.06 -87.65	148.81 10.89 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.25 17.85 0.00	276.71 19.23 0.00	232.24 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.09 8.02 -61.88	146.69 11.16 -12.33	151.47 12.04 -5.85	151.06 8.84 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.02 15.72 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.97 -46.78	166.37 9.71 -48.50	170.62 13.50 0.00
DANSKAMMER___3 23590	141.46 4.06 -87.65	148.81 10.89 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.25 17.85 0.00	276.71 19.23 0.00	232.24 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.09 8.02 -61.88	146.69 11.16 -12.33	151.47 12.04 -5.85	151.06 8.84 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.02 15.72 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.97 -46.78	166.37 9.71 -48.50	170.62 13.50 0.00

DANSKAMMER___4 23591	141.46 4.06 -87.65	148.81 10.89 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.25 17.85 0.00	276.71 19.23 0.00	232.24 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.09 8.02 -61.88	146.69 11.16 -12.33	151.47 12.04 -5.85	151.06 8.84 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.02 15.72 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.97 -46.78	166.37 9.71 -48.50	170.62 13.50 0.00
DANSKAMMER___DIESEL 23592	141.47 4.07 -87.65	148.81 10.88 0.00	166.24 12.01 0.00	168.91 11.55 0.00	169.89 11.69 -11.21	163.19 12.27 0.00	262.27 17.88 0.00	276.70 19.22 0.00	232.23 16.94 0.00	193.03 15.28 0.00	164.67 7.52 -74.58	158.08 8.01 -61.88	146.69 11.15 -12.33	151.46 12.03 -5.85	151.06 8.83 -43.80	145.75 11.58 -4.89	151.38 12.60 0.00	195.00 15.70 -4.30	181.47 11.07 -49.12	159.83 7.15 -74.38	180.55 14.77 -4.44	166.56 9.96 -46.78	166.38 9.72 -48.50	170.61 13.49 0.00
DARBY___SOLAR 323810	163.75 3.82 -110.18	148.33 10.41 0.00	165.86 11.63 0.00	168.52 11.16 0.00	172.18 11.12 -14.07	162.75 11.84 0.00	262.21 17.81 0.00	276.36 18.87 0.00	231.80 16.51 0.00	190.70 12.95 0.00	181.89 5.77 -93.56	171.65 5.83 -77.63	146.98 8.32 -15.46	150.39 9.47 -7.33	160.30 6.94 -54.93	144.90 9.49 -6.14	149.53 10.75 0.00	194.52 14.11 -5.40	192.82 9.79 -61.76	177.86 6.06 -93.50	179.18 12.26 -5.58	177.03 8.42 -58.80	177.48 8.36 -60.96	169.36 12.23 0.00
DASHVILLE___HYD 23610	143.32 3.44 -90.13	147.36 9.44 0.00	164.69 10.47 0.00	167.34 9.97 0.00	168.58 10.07 -11.53	161.46 10.55 0.00	259.44 15.05 0.00	273.65 16.17 0.00	229.70 14.41 0.00	190.92 13.17 0.00	165.65 6.37 -76.71	158.71 6.87 -63.65	145.43 9.54 -12.68	149.94 10.34 -6.01	150.96 7.48 -45.05	144.24 9.94 -5.03	149.68 10.90 0.00	192.96 13.53 -4.42	181.18 9.35 -50.55	160.83 6.00 -76.53	178.69 12.79 -4.57	166.37 8.42 -48.13	166.33 8.26 -49.90	168.85 11.72 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	144.09 5.88 -88.46	157.70 16.19 -3.59	170.93 16.70 0.00	172.48 15.11 0.00	174.85 16.66 -11.21	166.91 16.00 0.00	262.96 18.57 0.00	279.85 22.37 0.00	234.39 19.10 0.00	196.91 19.16 0.00	167.44 10.30 -74.57	160.62 9.25 -63.18	152.12 13.54 -15.37	157.28 14.91 -8.79	156.68 10.72 -47.53	156.22 14.99 -11.97	186.37 17.70 -29.89	199.18 19.88 -4.30	185.08 14.69 -49.11	162.31 9.05 -74.96	183.69 17.91 -4.44	167.38 10.80 -46.77	166.56 9.91 -48.49	170.57 13.45 0.00
DELAWARE___LFGE 323621	89.62 2.03 -37.84	143.65 5.73 0.00	160.90 6.68 0.00	163.80 6.44 0.00	157.96 6.13 -4.85	156.98 6.06 0.00	253.31 8.91 0.00	267.42 9.94 0.00	224.27 8.98 0.00	185.76 8.01 0.00	118.66 3.82 -32.27	119.32 4.35 -26.77	134.72 6.18 -5.33	142.98 6.87 -2.53	122.48 5.11 -18.95	137.82 6.43 -2.12	145.79 7.01 0.00	185.26 8.39 -1.86	148.40 5.86 -21.27	114.25 3.75 -32.20	171.03 7.77 -1.92	135.41 5.34 -20.25	134.26 5.11 -20.99	164.25 7.12 0.00
DERFIELD_115KV_TB7 355931	50.29 0.55 0.00	139.42 1.49 0.00	155.91 1.68 0.00	158.84 1.47 0.00	148.60 1.62 0.00	152.55 1.64 0.00	246.35 1.95 0.00	259.66 2.17 0.00	217.28 1.99 0.00	179.62 1.87 0.00	83.57 1.00 0.00	89.28 1.09 0.00	124.69 1.49 0.00	135.27 1.69 0.00	99.70 1.28 0.00	130.92 1.65 0.00	140.43 1.65 0.00	177.05 2.05 0.00	122.72 1.44 0.00	79.16 0.86 0.00	163.11 1.77 0.00	111.04 1.23 0.00	109.46 1.30 0.00	158.93 1.81 0.00
DOGLEVILLE___HYD 23807	52.21 2.47 0.00	144.63 6.71 0.00	161.95 7.73 0.00	164.42 7.06 0.00	154.38 7.40 0.00	158.90 7.99 0.00	254.89 10.50 0.00	269.87 12.38 0.00	225.10 9.81 0.00	184.78 7.02 0.00	85.79 3.22 0.00	91.86 3.67 0.00	127.87 4.67 0.00	139.51 5.93 0.00	103.19 4.76 0.00	135.35 6.08 0.00	146.05 7.27 0.00	185.07 10.07 0.00	128.47 7.19 0.00	82.83 4.53 0.00	170.61 9.27 0.00	116.31 6.50 0.00	114.29 6.13 0.00	165.49 8.37 0.00
DUNKIRK___115KV_TB_200 55889	60.11 -3.41 -13.78	128.03 -9.90 0.00	143.90 -10.33 0.00	147.14 -10.22 0.00	136.79 -9.53 0.66	139.59 -10.03 1.30	228.73 -15.67 0.00	240.32 -17.16 0.00	201.08 -13.14 1.07	167.72 -10.03 0.00	88.12 -5.71 -11.26	92.97 -5.54 -10.33	117.23 -8.04 -2.07	127.60 -6.96 -0.98	101.19 -4.58 -7.35	123.92 -6.17 -0.82	131.28 -7.50 0.00	161.00 -10.02 3.98	120.90 -7.48 -7.10	85.30 -5.49 -12.49	150.02 -11.27 0.05	109.65 -7.76 -7.59	108.77 -7.30 -7.91	148.21 -8.92 0.00
DUNKIRK___1 23563	60.11 -3.41 -13.78	128.03 -9.90 0.00	143.90 -10.33 0.00	147.14 -10.22 0.00	136.79 -9.53 0.66	139.59 -10.03 1.30	228.73 -15.67 0.00	240.32 -17.16 0.00	201.08 -13.14 1.07	167.72 -10.03 0.00	88.12 -5.71 -11.26	92.97 -5.54 -10.33	117.23 -8.04 -2.07	127.60 -6.96 -0.98	101.19 -4.58 -7.35	123.92 -6.17 -0.82	131.28 -7.50 0.00	161.00 -10.02 3.98	120.90 -7.48 -7.10	85.30 -5.49 -12.49	150.02 -11.27 0.05	109.65 -7.76 -7.59	108.77 -7.30 -7.91	148.21 -8.92 0.00
DUNKIRK___2 23564	60.11 -3.41 -13.78	128.03 -9.90 0.00	143.90 -10.33 0.00	147.14 -10.22 0.00	136.79 -9.53 0.66	139.59 -10.03 1.30	228.73 -15.67 0.00	240.32 -17.16 0.00	201.08 -13.14 1.07	167.72 -10.03 0.00	88.12 -5.71 -11.26	92.97 -5.54 -10.33	117.23 -8.04 -2.07	127.60 -6.96 -0.98	101.19 -4.58 -7.35	123.92 -6.17 -0.82	131.28 -7.50 0.00	161.00 -10.02 3.98	120.90 -7.48 -7.10	85.30 -5.49 -12.49	150.02 -11.27 0.05	109.65 -7.76 -7.59	108.77 -7.30 -7.91	148.21 -8.92 0.00
DUNKIRK___3 23565	59.86 -3.51 -13.61	128.04 -9.89 0.00	143.78 -10.45 0.00	146.80 -10.56 0.00	136.46 -9.90 0.62	139.24 -10.40 1.27	227.71 -16.68 0.00	238.79 -18.69 0.00	199.58 -14.65 1.06	166.47 -11.28 0.00	87.44 -6.27 -11.13	92.30 -6.11 -10.21	116.70 -8.55 -2.04	127.05 -7.50 -0.97	100.65 -5.03 -7.26	123.34 -6.74 -0.81	130.60 -8.17 0.00	160.18 -10.94 3.88	120.13 -8.18 -7.02	84.69 -5.94 -12.34	149.18 -12.12 0.04	109.03 -8.29 -7.50	108.24 -7.73 -7.81	147.73 -9.39 0.00
DUNKIRK___4 23566	59.86 -3.51 -13.61	128.04 -9.89 0.00	143.78 -10.45 0.00	146.80 -10.56 0.00	136.46 -9.90 0.62	139.24 -10.40 1.27	227.71 -16.68 0.00	238.79 -18.69 0.00	199.58 -14.65 1.06	166.47 -11.28 0.00	87.44 -6.27 -11.13	92.30 -6.11 -10.21	116.70 -8.55 -2.04	127.05 -7.50 -0.97	100.65 -5.03 -7.26	123.34 -6.74 -0.81	130.60 -8.17 0.00	160.18 -10.94 3.88	120.13 -8.18 -7.02	84.69 -5.94 -12.34	149.18 -12.12 0.04	109.03 -8.29 -7.50	108.24 -7.73 -7.81	147.73 -9.39 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	142.13 3.90 -88.48	148.11 10.19 0.00	165.40 11.17 0.00	168.08 10.72 0.00	169.22 11.02 -11.21	162.47 11.56 0.00	260.84 16.45 0.00	275.09 17.61 0.00	231.01 15.72 0.00	192.47 14.72 0.00	164.53 7.37 -74.60	157.91 7.82 -61.90	146.48 10.94 -12.33	151.33 11.90 -5.85	150.94 8.70 -43.82	145.59 11.43 -4.90	151.12 12.34 0.00	194.29 14.99 -4.30	180.93 10.53 -49.12	159.53 6.85 -74.38	180.07 14.29 -4.44	166.23 9.63 -46.78	166.06 9.40 -48.50	169.97 12.84 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	137.83 3.48 -84.60	147.20 9.27 0.00	164.45 10.23 0.00	167.15 9.78 0.00	167.85 10.00 -10.86	161.40 10.49 0.00	259.44 15.05 0.00	273.75 16.27 0.00	229.70 14.41 0.00	190.92 13.17 0.00	161.45 6.59 -72.29	155.20 7.03 -59.98	144.86 9.70 -11.95	149.79 10.54 -5.67	148.61 7.73 -42.46	144.13 10.12 -4.74	149.80 11.02 0.00	192.82 13.66 -4.17	178.53 9.65 -47.61	156.63 6.24 -72.09	178.57 12.93 -4.31	163.90 8.75 -45.34	163.69 8.52 -47.01	168.82 11.70 0.00

E179THST_138_KV_TB4_REV_LBMP_J 345001	142.23 4.00 -88.49	148.37 10.45 0.00	165.73 11.50 0.00	168.58 11.22 0.00	169.54 11.34 -11.21	162.78 11.87 0.00	261.50 17.10 0.00	275.63 18.15 0.00	231.79 16.50 0.00	193.45 15.69 0.00	164.89 7.71 -74.61	158.29 8.19 -61.90	147.15 11.61 -12.33	151.80 12.37 -5.85	151.26 9.02 -43.82	146.13 11.96 -4.90	151.46 12.68 0.00	194.41 15.11 -4.30	181.17 10.77 -49.12	159.94 7.26 -74.38	180.56 14.78 -4.44	166.80 10.20 -46.79	166.40 9.73 -48.51	170.51 13.38 0.00
E179THST_13_KV_LOAD 356214	142.48 4.25 -88.49	149.04 11.12 0.00	166.44 12.22 0.00	169.32 11.96 0.00	170.22 12.03 -11.21	163.52 12.61 0.00	262.78 18.38 0.00	277.09 19.61 0.00	233.02 17.72 0.00	194.45 16.69 0.00	165.39 8.21 -74.61	158.78 8.68 -61.90	147.89 12.35 -12.33	152.60 13.17 -5.85	151.83 9.59 -43.82	146.88 12.72 -4.90	152.28 13.50 0.00	195.44 16.14 -4.30	181.89 11.49 -49.12	160.41 7.73 -74.38	181.49 15.71 -4.44	167.46 10.86 -46.79	167.00 10.34 -48.51	171.36 14.24 0.00
EAST HAMPTON___GT 23717	144.65 6.44 -88.46	159.26 17.75 -3.59	172.65 18.43 0.00	174.26 16.90 0.00	176.42 18.23 -11.21	167.70 16.78 0.00	263.65 19.25 0.00	280.69 23.20 0.00	234.99 19.69 0.00	198.70 20.95 0.00	168.30 11.15 -74.57	161.51 10.14 -63.18	153.34 14.76 -15.37	158.56 16.19 -8.79	157.67 11.71 -47.53	157.60 16.36 -11.97	188.03 19.37 -29.89	201.26 21.96 -4.30	186.68 16.29 -49.11	162.92 9.67 -74.96	184.41 18.63 -4.44	167.70 11.11 -46.77	166.96 10.32 -48.49	171.17 14.05 0.00
EAST RIVER___6 23660	142.30 4.08 -88.48	148.54 10.62 0.00	165.89 11.67 0.00	168.85 11.49 0.00	169.82 11.62 -11.21	163.24 12.32 0.00	262.03 17.63 0.00	276.38 18.90 0.00	232.41 17.12 0.00	194.02 16.27 0.00	165.15 7.98 -74.60	158.62 8.53 -61.90	147.40 11.87 -12.33	152.35 12.92 -5.85	151.64 9.40 -43.81	146.80 12.64 -4.90	152.32 13.54 0.00	195.46 16.16 -4.30	181.66 11.26 -49.12	160.02 7.34 -74.37	181.21 15.43 -4.44	167.06 10.46 -46.78	166.84 10.18 -48.50	170.92 13.80 0.00
EAST RIVER___7 23524	142.30 4.08 -88.48	148.54 10.62 0.00	165.89 11.67 0.00	168.85 11.49 0.00	169.82 11.62 -11.21	163.24 12.32 0.00	262.03 17.63 0.00	276.38 18.90 0.00	232.41 17.12 0.00	194.02 16.27 0.00	165.15 7.98 -74.60	158.62 8.53 -61.90	147.40 11.87 -12.33	152.35 12.92 -5.85	151.64 9.40 -43.81	146.80 12.64 -4.90	152.32 13.54 0.00	195.46 16.16 -4.30	181.66 11.26 -49.12	160.02 7.34 -74.37	181.21 15.43 -4.44	167.06 10.46 -46.78	166.84 10.18 -48.50	170.92 13.80 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	141.84 3.75 -88.35	147.73 9.81 0.00	164.97 10.75 0.00	167.66 10.29 0.00	168.78 10.61 -11.19	162.04 11.13 0.00	260.15 15.76 0.00	274.46 16.98 0.00	230.38 15.09 0.00	191.92 14.17 0.00	164.11 7.10 -74.44	157.50 7.54 -61.77	146.01 10.50 -12.31	150.85 11.43 -5.84	150.50 8.36 -43.72	145.15 10.99 -4.88	150.66 11.88 0.00	193.74 14.45 -4.29	180.46 10.16 -49.02	159.13 6.61 -74.22	179.52 13.75 -4.43	165.78 9.28 -46.68	165.62 9.06 -48.40	169.48 12.36 0.00
EAST_HAMPTON___DIESEL 23722	144.63 6.42 -88.46	159.20 17.68 -3.59	172.58 18.36 0.00	174.18 16.82 0.00	176.36 18.17 -11.21	167.66 16.75 0.00	263.61 19.21 0.00	280.67 23.18 0.00	234.97 19.68 0.00	198.66 20.91 0.00	168.27 11.13 -74.57	161.46 10.09 -63.18	153.26 14.68 -15.37	158.48 16.11 -8.79	157.63 11.67 -47.53	157.54 16.31 -11.97	188.01 19.34 -29.89	201.21 21.91 -4.30	186.62 16.24 -49.11	162.83 9.57 -74.96	184.19 18.41 -4.44	167.53 10.95 -46.77	166.81 10.17 -48.49	170.96 13.84 0.00
EAST_POINT___SOLAR 323840	174.40 3.76 -120.90	148.48 10.56 0.00	166.24 12.01 0.00	169.70 12.34 0.00	174.24 11.82 -15.44	163.19 12.28 0.00	265.76 21.37 0.00	280.93 23.45 0.00	231.65 16.36 0.00	184.73 6.97 0.00	187.35 2.05 -102.73	177.24 3.80 -85.24	145.80 5.61 -16.98	149.20 7.56 -8.05	164.58 5.82 -60.34	144.61 8.60 -6.74	150.63 11.85 0.00	197.36 16.43 -5.93	200.36 11.31 -67.78	188.02 7.09 -102.62	181.93 14.46 -6.13	184.03 9.69 -64.53	184.23 9.17 -66.90	170.05 12.93 0.00
EAST_PULASKI___ESR 323781	55.46 -0.61 -6.33	135.95 -1.98 0.00	152.10 -2.13 0.00	154.91 -2.45 0.00	145.67 -2.13 -0.81	148.92 -1.99 0.00	241.67 -2.72 0.00	255.24 -2.25 0.00	213.60 -1.69 0.00	176.25 -1.50 0.00	87.01 -0.96 -5.39	91.53 -1.14 -4.48	122.17 -1.92 -0.89	132.02 -1.99 -0.42	100.29 -1.31 -3.17	128.23 -1.39 -0.35	137.75 -1.03 0.00	174.24 -1.07 -0.31	124.02 -0.81 -3.56	82.86 -0.82 -5.38	159.89 -1.76 -0.32	112.10 -1.10 -3.39	110.43 -1.24 -3.51	155.33 -1.79 0.00
EAST_RIVER___1 323558	142.30 4.08 -88.48	148.58 10.66 0.00	165.93 11.70 0.00	168.87 11.50 0.00	169.84 11.64 -11.21	163.20 12.28 0.00	261.90 17.51 0.00	276.21 18.73 0.00	232.20 16.91 0.00	193.82 16.06 0.00	165.05 7.88 -74.60	158.48 8.39 -61.90	147.27 11.73 -12.33	152.20 12.77 -5.85	151.54 9.30 -43.81	146.51 12.35 -4.90	152.03 13.25 0.00	195.20 15.90 -4.30	181.52 11.11 -49.12	159.94 7.26 -74.37	181.10 15.32 -4.44	166.99 10.39 -46.78	166.80 10.14 -48.50	170.88 13.76 0.00
EAST_RIVER___2 323559	142.30 4.08 -88.48	148.54 10.62 0.00	165.89 11.67 0.00	168.85 11.49 0.00	169.82 11.62 -11.21	163.24 12.32 0.00	262.03 17.63 0.00	276.38 18.90 0.00	232.41 17.12 0.00	194.02 16.27 0.00	165.15 7.98 -74.60	158.62 8.53 -61.90	147.40 11.87 -12.33	152.35 12.92 -5.85	151.64 9.40 -43.81	146.80 12.64 -4.90	152.32 13.54 0.00	195.46 16.16 -4.30	181.66 11.26 -49.12	160.02 7.34 -74.37	181.21 15.43 -4.44	167.06 10.46 -46.78	166.84 10.18 -48.50	170.92 13.80 0.00
EAST___DELAWARE_HYD 23607	132.14 2.63 -79.77	144.94 7.02 0.00	161.97 7.74 0.00	164.68 7.32 0.00	164.87 7.64 -10.24	159.10 8.18 0.00	256.55 12.16 0.00	270.90 13.42 0.00	227.36 12.07 0.00	188.61 10.86 0.00	156.01 5.33 -68.10	150.30 5.60 -56.51	142.00 7.54 -11.26	147.05 8.13 -5.34	144.42 6.00 -40.00	141.69 7.95 -4.47	147.73 8.95 0.00	190.17 11.24 -3.92	174.13 7.99 -44.86	151.40 5.17 -67.93	176.04 10.64 -4.06	159.69 7.15 -42.72	159.34 6.89 -44.29	166.36 9.24 0.00
EIGHT_POINT___WT_PWR 323820	61.85 -3.74 -15.84	127.80 -10.13 0.00	145.24 -8.99 0.00	145.51 -11.85 0.00	132.20 -11.35 3.44	138.45 -9.53 2.94	229.77 -14.62 0.00	242.10 -15.38 0.00	202.14 -10.25 2.90	169.71 -8.05 0.00	90.05 -5.03 -12.50	97.13 -4.04 -12.97	121.52 -4.21 -2.53	131.99 -2.79 -1.20	106.08 -1.33 -8.99	128.67 -1.60 -1.00	136.32 -2.46 0.00	160.79 -4.50 9.71	125.38 -3.40 -7.50	91.10 -2.48 -15.28	154.95 -5.51 0.88	115.03 -3.79 -9.01	113.72 -3.87 -9.43	152.63 -4.50 0.00
ELBRIDGE_115KV_TB2 80188	58.36 -0.80 -9.42	135.63 -2.29 0.00	151.75 -2.48 0.00	154.69 -2.67 0.00	145.89 -2.30 -1.21	148.72 -2.20 0.00	240.51 -3.88 0.00	253.95 -3.53 0.00	212.62 -2.67 0.00	175.60 -2.16 0.00	89.48 -1.12 -8.03	93.77 -1.09 -6.66	123.09 -1.43 -1.33	132.93 -1.29 -0.63	102.29 -0.85 -4.71	128.63 -1.17 -0.53	137.59 -1.19 0.00	173.85 -1.62 -0.46	125.46 -1.11 -5.29	85.49 -0.82 -8.01	160.00 -1.81 -0.48	113.57 -1.29 -5.04	112.03 -1.36 -5.22	155.17 -1.96 0.00
ELEC_TRO_TEK 24086	142.62 4.41 -88.46	153.31 11.79 -3.59	166.54 12.31 0.00	168.62 11.26 0.00	170.46 12.27 -11.21	163.49 12.57 0.00	261.66 17.27 0.00	277.16 19.68 0.00	232.72 17.43 0.00	194.00 16.24 0.00	165.54 8.39 -74.57	168.01 8.58 -71.23	162.48 12.33 -26.95	161.71 13.55 -14.57	161.54 9.76 -53.35	166.87 13.01 -24.60	190.50 14.09 -37.63	196.06 16.76 -4.30	182.30 11.91 -49.11	161.06 7.81 -74.96	181.72 15.94 -4.44	166.92 10.33 -46.77	166.36 9.72 -48.49	170.31 13.19 0.00

ELLENBURG_WT_PWR 323604	49.51 -0.23 0.00	137.48 -0.45 0.00	153.96 -0.26 0.00	157.74 0.38 0.00	146.78 -0.20 0.00	150.14 -0.77 0.00	243.94 -0.46 0.00	256.19 -1.29 0.00	213.78 -1.51 0.00	175.28 -2.48 0.00	80.99 -1.59 0.00	86.11 -2.09 0.00	119.85 -3.35 0.00	129.38 -4.21 0.00	95.25 -3.17 0.00	125.99 -3.27 0.00	136.03 -2.75 0.00	171.97 -3.03 0.00	119.21 -2.07 0.00	76.85 -1.44 0.00	158.01 -3.33 0.00	107.61 -2.20 0.00	106.32 -1.84 0.00	155.36 -1.77 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	59.18 -3.81 -13.24	127.65 -10.27 0.00	143.12 -11.11 0.00	145.80 -11.56 0.00	135.35 -11.09 0.54	138.14 -11.57 1.20	225.04 -19.35 0.00	234.78 -22.70 0.00	195.84 -18.43 1.02	163.19 -14.56 0.00	85.70 -7.72 -10.85	90.53 -7.59 -9.93	115.01 -10.18 -1.98	125.31 -9.21 -0.94	99.26 -6.21 -7.05	121.56 -8.50 -0.79	128.61 -10.17 0.00	157.83 -13.53 3.65	118.11 -10.02 -6.85	83.19 -7.09 -11.98	146.80 -14.52 0.02	107.21 -9.90 -7.29	106.61 -9.14 -7.59	146.12 -11.01 0.00
EMPIRE_CC_1 323656	155.83 2.55 -103.53	144.78 6.85 0.00	161.92 7.69 0.00	164.48 7.12 0.00	167.59 7.40 -13.21	158.51 7.59 0.00	254.35 9.96 0.00	267.92 10.44 0.00	224.81 9.51 0.00	186.30 8.55 0.00	174.77 4.32 -87.88	165.52 4.41 -72.92	143.87 6.14 -14.53	147.26 6.79 -6.89	155.04 5.00 -51.61	141.46 6.42 -5.77	145.35 6.57 0.00	188.53 8.45 -5.08	185.12 5.79 -58.04	169.74 3.56 -87.89	173.98 7.39 -5.25	170.32 5.23 -55.27	170.73 5.27 -57.30	164.54 7.41 0.00
EMPIRE_CC_2 323658	155.83 2.55 -103.53	144.78 6.85 0.00	161.92 7.69 0.00	164.48 7.12 0.00	167.59 7.40 -13.21	158.51 7.59 0.00	254.35 9.96 0.00	267.92 10.44 0.00	224.81 9.51 0.00	186.30 8.55 0.00	174.77 4.32 -87.88	165.52 4.41 -72.92	143.87 6.14 -14.53	147.26 6.79 -6.89	155.04 5.00 -51.61	141.46 6.42 -5.77	145.35 6.57 0.00	188.53 8.45 -5.08	185.12 5.79 -58.04	169.74 3.56 -87.89	173.98 7.39 -5.25	170.32 5.23 -55.27	170.73 5.27 -57.30	164.54 7.41 0.00
ENORWICH_115KV_TB1 80156	81.78 3.64 -28.40	147.66 9.74 0.00	165.22 10.99 0.00	168.64 11.28 0.00	164.70 10.59 -7.13	163.37 10.58 -1.88	263.15 18.76 0.00	280.81 23.33 0.00	238.62 21.70 -1.62	195.51 17.75 0.00	115.00 7.58 -24.85	114.65 7.32 -19.14	138.13 11.11 -3.81	148.85 13.46 -1.81	122.34 10.37 -13.54	144.96 14.18 -1.51	155.60 16.82 0.00	204.31 21.21 -8.10	152.47 14.34 -16.85	110.41 9.11 -23.00	182.60 18.75 -2.52	137.20 12.54 -14.85	134.57 11.07 -15.34	172.25 15.13 0.00
ERIE_ST__34_KV_TB1-2 80199	60.35 -3.19 -13.79	129.67 -8.25 0.00	145.32 -8.91 0.00	147.87 -9.49 0.00	137.40 -8.99 0.59	140.28 -9.37 1.27	228.58 -15.81 0.00	239.13 -18.36 0.00	199.49 -14.75 1.05	166.19 -11.56 0.00	87.48 -6.38 -11.29	92.34 -6.19 -10.33	117.30 -7.97 -2.07	127.72 -6.84 -0.98	100.97 -6.37 -7.35	123.72 -7.68 -0.82	131.10 -10.41 0.00	160.75 -8.10 3.84	120.31 -5.94 -7.13	84.84 -11.73 -12.48	149.59 -8.25 0.02	109.16 -7.57 -7.59	108.50 -8.75 -7.91	148.37 -8.75 0.00
ERIE_WT_PWR 323693	59.76 -3.55 -13.57	128.34 -9.58 0.00	143.86 -10.37 0.00	146.48 -10.89 0.00	136.03 -10.37 0.59	138.92 -10.74 1.25	226.51 -17.89 0.00	236.67 -20.81 0.00	197.46 -16.79 1.04	164.52 -13.23 0.00	86.64 -7.03 -11.10	91.49 -6.88 -10.17	115.99 -9.24 -2.04	126.37 -8.18 -0.96	100.17 -5.49 -7.23	120.13 -7.61 1.53	127.10 -9.10 2.58	153.08 -12.17 9.75	117.14 -9.25 -5.12	83.65 -6.60 -11.95	147.49 -13.44 0.41	108.29 -8.99 -7.47	107.68 -8.26 -7.78	147.10 -10.02 0.00
ESPRGFLD_115KV_TB1 80157	51.86 2.12 0.00	143.95 6.03 0.00	161.34 7.11 0.00	164.73 7.37 0.00	153.76 6.77 0.00	157.61 6.69 0.00	256.48 12.09 0.00	271.24 13.75 0.00	226.83 11.54 0.00	186.36 8.61 0.00	86.14 3.57 0.00	92.39 4.20 0.00	128.96 5.76 0.00	140.26 6.68 0.00	103.56 5.13 0.00	135.91 6.64 0.00	146.90 8.12 0.00	185.44 10.43 0.00	128.40 7.12 0.00	82.81 4.51 0.00	170.62 9.28 0.00	116.04 6.23 0.00	114.03 5.87 0.00	165.21 8.09 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	73.23 0.71 -22.78	139.76 1.84 0.00	156.46 2.23 0.00	159.32 1.96 0.00	160.51 2.02 -11.51	157.74 2.21 -4.62	248.19 3.80 0.00	262.52 5.04 0.00	223.94 4.65 -4.01	181.26 3.51 0.00	104.81 1.25 -20.98	103.29 1.34 -13.76	128.26 2.32 -2.74	137.86 2.98 -1.30	110.57 2.42 -9.73	133.56 3.21 -1.09	142.48 3.71 0.00	197.26 4.66 -17.60	139.51 3.24 -14.99	96.79 1.96 -16.53	169.02 3.89 -3.80	123.71 2.57 -11.33	122.08 2.31 -11.61	160.31 3.19 0.00
ETNA____115KV_TB2 80207	73.23 0.71 -22.78	139.76 1.84 0.00	156.46 2.23 0.00	159.32 1.96 0.00	160.51 2.02 -11.51	157.74 2.21 -4.62	248.19 3.80 0.00	262.52 5.04 0.00	223.94 4.65 -4.01	181.26 3.51 0.00	104.81 1.25 -20.98	103.29 1.34 -13.76	128.26 2.32 -2.74	137.86 2.98 -1.30	110.57 2.42 -9.73	133.56 3.21 -1.09	142.48 3.71 0.00	197.26 4.66 -17.60	139.51 3.24 -14.99	96.79 1.96 -16.53	169.02 3.89 -3.80	123.71 2.57 -11.33	122.08 2.31 -11.61	160.31 3.19 0.00
EUCLID____115KV_TB2 356179	56.13 -1.02 -7.41	134.97 -2.95 0.00	150.99 -3.24 0.00	153.84 -3.52 0.00	144.82 -3.11 -0.95	147.80 -3.12 0.00	239.19 -5.20 0.00	252.22 -5.26 0.00	211.13 -4.16 0.00	174.55 -3.20 0.00	87.32 -1.56 -6.31	91.84 -1.59 -5.24	122.07 -2.17 -1.04	132.00 -2.07 -0.49	100.73 -1.40 -3.71	127.82 -1.87 -0.41	136.65 -2.13 0.00	172.55 -2.81 -0.36	123.50 -1.95 -4.16	83.20 -1.40 -6.30	158.74 -2.97 -0.38	111.73 -2.05 -3.96	110.18 -2.09 -4.11	154.13 -2.99 0.00
E_CANADA_CAP_HY 24051	177.79 2.47 -125.57	145.02 7.09 0.00	162.40 8.17 0.00	165.96 8.59 0.00	171.09 8.07 -16.04	159.03 8.12 0.00	259.02 14.63 0.00	273.66 16.18 0.00	227.77 12.48 0.00	185.51 7.75 0.00	192.07 2.78 -106.72	180.30 3.55 -88.56	145.49 4.64 -17.65	147.68 5.73 -8.37	165.61 4.50 -62.68	142.31 6.04 -7.00	146.99 8.21 0.00	192.42 11.26 -6.16	199.34 7.65 -70.40	189.69 4.79 -106.60	177.54 9.84 -6.37	183.45 6.60 -67.03	183.97 6.31 -69.50	166.08 8.95 0.00
E_CANADA_MHWK_HY 24050	52.21 2.47 0.00	144.63 6.71 0.00	161.95 7.73 0.00	164.42 7.06 0.00	154.38 7.40 0.00	158.90 7.99 0.00	254.89 10.50 0.00	269.87 12.38 0.00	225.10 9.81 0.00	184.78 7.02 0.00	85.79 3.22 0.00	91.86 3.67 0.00	127.87 4.67 0.00	139.51 5.93 0.00	103.19 4.76 0.00	135.35 6.08 0.00	146.05 7.27 0.00	185.07 10.07 0.00	128.47 7.19 0.00	82.83 4.53 0.00	170.61 9.27 0.00	116.31 6.50 0.00	114.29 6.13 0.00	165.49 8.37 0.00
E_FISHKILL____LBMP 23776	143.02 3.46 -89.81	147.03 9.10 0.00	164.22 9.99 0.00	166.83 9.47 0.00	168.17 9.74 -11.44	161.10 10.18 0.00	258.46 14.07 0.00	272.54 15.06 0.00	228.71 13.42 0.00	190.31 12.55 0.00	165.06 6.35 -76.14	158.16 6.79 -63.18	145.22 9.43 -12.59	149.85 10.30 -5.97	150.66 7.51 -44.72	144.11 9.84 -5.00	149.36 10.58 0.00	192.34 12.96 -4.39	180.57 9.16 -50.13	160.14 5.93 -75.91	178.17 12.30 -4.54	165.89 8.33 -47.75	165.87 8.21 -49.50	168.42 11.30 0.00
FALCON____SEABRD_CC1 323796	50.46 0.72 0.00	139.93 2.01 0.00	156.66 2.43 0.00	160.11 2.75 0.00	149.05 2.07 0.00	152.01 1.10 0.00	245.64 1.24 0.00	258.16 0.68 0.00	215.73 0.45 0.00	176.61 -1.15 0.00	81.51 -1.07 0.00	86.50 -1.69 0.00	120.34 -2.86 0.00	129.90 -3.69 0.00	95.79 -2.64 0.00	126.89 -2.38 0.00	137.14 -1.63 0.00	173.55 -1.45 0.00	120.40 -0.88 0.00	77.51 -0.79 0.00	159.06 -2.28 0.00	108.33 -1.49 0.00	107.18 -0.98 0.00	157.58 0.46 0.00

FALCON___SEABRD_CC2 323797	50.46 0.72 0.00	139.93 2.01 0.00	156.66 2.43 0.00	160.11 2.75 0.00	149.05 2.07 0.00	152.01 1.10 0.00	245.64 1.24 0.00	258.16 0.68 0.00	215.73 0.45 0.00	176.61 -1.15 0.00	81.51 -1.07 0.00	86.50 -1.69 0.00	120.34 -2.86 0.00	129.90 -3.69 0.00	95.79 -2.64 0.00	126.89 -2.38 0.00	137.14 -1.63 0.00	173.55 -1.45 0.00	120.40 -0.88 0.00	77.51 -0.79 0.00	159.06 -2.28 0.00	108.33 -1.49 0.00	107.18 -0.98 0.00	157.58 0.46 0.00
FAR ROCKAWAY___4 23548	143.18 4.98 -88.46	154.91 13.39 -3.59	168.25 14.02 0.00	170.35 12.99 0.00	172.07 13.88 -11.21	165.27 14.36 0.00	264.84 20.45 0.00	280.55 23.06 0.00	235.51 20.21 0.00	196.21 18.45 0.00	166.59 9.44 -74.57	180.86 9.75 -82.92	180.89 13.93 -43.76	171.84 15.28 -22.98	171.30 11.09 -61.79	186.94 14.73 -42.94	203.66 16.02 -48.87	198.70 19.40 -4.30	184.09 13.70 -49.11	162.16 8.90 -74.96	183.93 18.15 -4.44	168.42 11.83 -46.77	167.78 11.13 -48.49	172.25 15.13 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	142.34 4.11 -88.48	148.65 10.72 0.00	165.99 11.77 0.00	168.95 11.59 0.00	169.91 11.72 -11.21	163.28 12.36 0.00	262.09 17.70 0.00	276.26 18.78 0.00	232.25 16.96 0.00	193.88 16.12 0.00	165.05 7.89 -74.60	158.49 8.40 -61.90	147.26 11.72 -12.33	152.20 12.77 -5.85	151.55 9.31 -43.81	146.50 12.34 -4.90	152.02 13.24 0.00	195.21 15.91 -4.30	181.53 11.13 -49.12	159.95 7.27 -74.38	181.11 15.33 -4.44	167.01 10.41 -46.78	166.85 10.19 -48.50	171.01 13.88 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	142.38 4.15 -88.48	148.75 10.83 0.00	166.11 11.88 0.00	169.06 11.69 0.00	170.01 11.81 -11.21	163.37 12.45 0.00	262.21 17.82 0.00	276.50 19.01 0.00	232.41 17.11 0.00	193.96 16.21 0.00	165.09 7.92 -74.60	158.54 8.45 -61.90	147.34 11.80 -12.33	152.26 12.83 -5.85	151.62 9.39 -43.81	146.55 12.39 -4.90	152.10 13.32 0.00	195.31 16.01 -4.30	181.62 11.22 -49.12	160.01 7.33 -74.38	181.27 15.49 -4.44	167.09 10.50 -46.78	166.95 10.29 -48.50	171.09 13.97 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	142.30 4.08 -88.48	148.58 10.66 0.00	165.93 11.70 0.00	168.87 11.51 0.00	169.81 11.62 -11.21	163.18 12.26 0.00	261.86 17.47 0.00	276.13 18.64 0.00	232.16 16.87 0.00	193.77 16.02 0.00	164.99 7.83 -74.60	158.44 8.35 -61.90	147.20 11.67 -12.33	152.12 12.69 -5.85	151.50 9.26 -43.81	146.40 12.24 -4.90	151.94 13.16 0.00	195.11 15.81 -4.30	181.45 11.05 -49.12	159.91 7.23 -74.38	181.02 15.24 -4.44	166.96 10.36 -46.78	166.80 10.14 -48.50	170.88 13.76 0.00
FARRAGUT___LBMP 323566	142.28 4.05 -88.48	148.47 10.55 0.00	165.80 11.57 0.00	168.74 11.38 0.00	169.72 11.52 -11.21	163.06 12.15 0.00	261.66 17.27 0.00	275.87 18.39 0.00	231.91 16.62 0.00	193.56 15.81 0.00	164.91 7.74 -74.60	158.34 8.25 -61.90	147.05 11.51 -12.33	151.97 12.54 -5.85	151.38 9.14 -43.81	146.26 12.10 -4.90	151.77 12.99 0.00	194.92 15.62 -4.30	181.31 10.92 -49.12	159.83 7.15 -74.38	180.90 15.12 -4.44	166.85 10.26 -46.78	166.72 10.06 -48.50	170.75 13.63 0.00
FENNER___WINDPWR 24204	61.83 1.00 -11.09	140.81 2.89 0.00	157.60 3.37 0.00	160.49 3.12 0.00	153.04 3.00 -3.06	155.31 3.52 -0.88	250.19 5.80 0.00	264.35 6.87 0.00	222.50 6.44 -0.76	183.26 5.51 0.00	94.81 2.49 -9.75	97.80 2.22 -7.39	127.98 3.31 -1.47	137.94 3.66 -0.70	106.39 2.74 -5.23	133.60 3.75 -0.58	143.22 4.44 0.00	184.32 5.62 -3.69	131.70 3.78 -6.65	89.49 2.30 -8.89	167.05 4.64 -1.07	118.66 3.07 -5.77	116.90 2.79 -5.95	160.83 3.71 0.00
FIBERTEK___ENERGY 23856	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00
FITZPATRICK___ 23598	53.20 -1.77 -5.23	132.93 -5.00 0.00	148.68 -5.55 0.00	151.58 -5.78 0.00	142.39 -5.26 -0.67	145.56 -5.35 0.00	235.46 -8.93 0.00	248.14 -9.34 0.00	207.68 -7.61 0.00	171.60 -6.16 0.00	84.12 -2.91 -4.45	88.81 -3.08 -3.69	119.69 -4.24 -0.74	129.53 -4.40 -0.35	97.90 -3.14 -2.61	125.38 -4.18 -0.29	134.23 -4.55 0.00	169.48 -5.78 -0.26	120.17 -4.04 -2.93	80.04 -2.70 -4.44	155.95 -5.65 -0.27	108.77 -3.84 -2.79	107.26 -3.80 -2.90	151.65 -5.48 0.00
FLOWRFLD_69_KV_BK1 356044	143.13 4.92 -88.46	155.13 13.62 -3.59	168.00 13.77 0.00	169.44 12.07 0.00	172.06 13.86 -11.21	164.63 13.72 0.00	260.91 16.52 0.00	278.16 20.68 0.00	233.31 18.02 0.00	195.21 17.46 0.00	166.33 9.19 -74.57	160.17 8.74 -63.24	151.62 12.96 -15.45	156.80 14.39 -8.83	156.23 10.23 -47.58	155.22 13.90 -12.05	184.28 15.56 -29.94	197.48 18.18 -4.30	183.60 13.21 -49.11	161.79 8.54 -74.96	182.95 17.17 -4.44	167.34 10.75 -46.77	166.48 9.84 -48.49	170.51 13.39 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	142.03 4.21 -88.08	149.14 11.21 0.00	166.63 12.41 0.00	169.30 11.93 0.00	170.29 12.05 -11.26	163.58 12.66 0.00	262.90 18.51 0.00	277.43 19.95 0.00	232.79 17.50 0.00	193.55 15.80 0.00	165.20 7.74 -74.89	158.58 8.25 -62.14	147.04 11.45 -12.38	151.84 12.39 -5.87	151.48 9.07 -43.98	146.14 11.95 -4.91	151.75 12.98 0.00	195.48 16.17 -4.31	181.99 11.39 -49.32	160.32 7.33 -74.68	180.99 15.19 -4.46	167.03 10.24 -46.97	166.83 9.97 -48.70	171.02 13.90 0.00
FORT ORANGE___ 23900	158.62 2.21 -106.67	143.92 6.00 0.00	160.88 6.66 0.00	163.34 5.98 0.00	166.84 6.23 -13.62	157.21 6.30 0.00	252.97 8.58 0.00	266.54 9.06 0.00	223.08 7.79 0.00	184.84 7.09 0.00	176.45 3.27 -90.61	166.82 3.43 -75.19	143.07 4.89 -14.98	146.05 5.36 -7.10	155.61 3.96 -53.22	140.43 5.22 -5.95	144.23 5.45 0.00	186.96 6.72 -5.23	185.67 4.60 -59.80	171.71 2.88 -90.54	172.66 5.91 -5.41	170.82 4.07 -56.93	171.15 3.97 -59.02	162.94 5.82 0.00
FORT_DRUM_COGEN 23780	55.95 1.85 -4.36	142.74 4.82 0.00	159.74 5.52 0.00	163.06 5.69 0.00	152.75 5.21 -0.56	156.65 5.73 0.00	255.88 11.49 0.00	271.33 13.85 0.00	226.76 11.47 0.00	186.18 8.43 0.00	89.38 3.09 -3.71	94.01 2.74 -3.08	126.50 2.68 -0.61	136.53 2.65 -0.29	102.77 2.16 -2.18	133.47 3.96 -0.24	144.97 6.19 0.00	183.95 8.73 -0.21	129.37 5.65 -2.44	84.85 2.85 -3.70	167.87 6.31 -0.22	116.81 4.67 -2.33	114.91 4.34 -2.42	163.57 6.45 0.00
FOX_HILLS___ESR 323835	142.46 4.23 -88.49	149.10 11.18 0.00	166.50 12.28 0.00	250.44 11.97 -81.11	198.19 11.71 -39.49	155.16 12.20 7.95	184.13 17.77 78.04	229.86 18.68 46.31	212.74 16.91 19.46	156.22 16.32 37.85	166.30 8.02 -75.70	233.96 8.40 -137.37	285.54 11.73 -150.61	291.25 12.66 -145.01	227.69 9.30 -119.98	756.36 12.27 -614.82	209.41 13.18 -57.45	249.52 15.85 -58.67	226.01 11.26 -93.46	241.57 7.51 -155.75	1427.52 15.61 -1250.58	214.10 10.38 -93.90	213.17 10.00 -95.01	213.91 13.51 -43.27
FPL FAR_ROCK_GT1 24212	143.18 4.98 -88.46	154.91 13.40 -3.59	168.23 14.01 0.00	170.35 12.99 0.00	172.07 13.88 -11.21	165.26 14.35 0.00	264.83 20.44 0.00	280.54 23.06 0.00	235.51 20.21 0.00	196.22 18.47 0.00	166.58 9.44 -74.58	180.86 9.75 -82.92	180.90 13.94 -43.76	171.83 15.27 -22.98	171.28 11.07 -61.79	186.93 14.72 -42.94	203.66 16.01 -48.87	198.70 19.40 -4.30	184.08 13.70 -49.11	162.16 8.91 -74.96	183.92 18.14 -4.44	168.45 11.86 -46.77	167.76 11.11 -48.49	172.26 15.13 0.00

FPL FAR_ROCK_GT2 23815	143.18 4.98 -88.46	154.91 13.40 -3.59	168.23 14.01 0.00	170.35 12.99 0.00	172.07 13.88 -11.21	165.26 14.35 0.00	264.83 20.44 0.00	280.54 23.06 0.00	235.51 20.21 0.00	196.22 18.47 0.00	166.58 9.44 -74.58	180.86 9.75 -82.92	180.90 13.94 -43.76	171.83 15.27 -22.98	171.28 11.07 -61.79	186.93 14.72 -42.94	203.66 16.01 -48.87	198.70 19.40 -4.30	184.08 13.70 -49.11	162.16 8.91 -74.96	183.92 18.14 -4.44	168.45 11.86 -46.77	167.76 11.11 -48.49	172.26 15.13 0.00
FRANKLIN_FALL_HYD 24054	50.30 0.56 0.00	139.48 1.56 0.00	156.27 2.04 0.00	160.36 3.00 0.00	149.01 2.03 0.00	152.26 1.35 0.00	248.02 3.63 0.00	260.82 3.35 0.00	217.51 2.22 0.00	178.04 0.29 0.00	82.10 -0.47 0.00	87.37 -0.83 0.00	121.54 -1.66 0.00	131.32 -2.26 0.00	96.56 -1.86 0.00	127.81 -1.46 0.00	138.19 -0.59 0.00	174.96 -0.04 0.00	121.27 -0.01 0.00	78.24 -0.06 0.00	161.06 -0.27 0.00	109.92 0.10 0.00	108.56 0.40 0.00	158.59 1.47 0.00
FREEPORT_EQUS_GT1 23764	142.91 4.71 -88.46	154.21 12.70 -3.59	167.36 13.13 0.00	169.27 11.91 0.00	171.25 13.06 -11.21	164.25 13.34 0.00	262.79 18.40 0.00	278.70 21.21 0.00	233.84 18.55 0.00	194.99 17.24 0.00	166.06 8.91 -74.58	167.34 8.94 -70.21	161.23 12.55 -25.47	161.27 13.84 -13.84	161.06 10.03 -52.61	166.00 13.74 -22.99	190.39 14.97 -36.64	197.25 17.95 -4.30	183.27 12.88 -49.11	161.64 8.39 -74.96	182.84 17.06 -4.44	167.64 11.05 -46.77	166.85 10.20 -48.49	170.96 13.83 0.00
FREEPORT___CT2 23818	142.91 4.71 -88.46	154.21 12.70 -3.59	167.36 13.13 0.00	169.27 11.91 0.00	171.25 13.06 -11.21	164.25 13.34 0.00	262.79 18.40 0.00	278.70 21.21 0.00	233.84 18.55 0.00	194.99 17.24 0.00	166.06 8.91 -74.58	167.34 8.94 -70.21	161.23 12.55 -25.47	161.27 13.84 -13.84	161.06 10.03 -52.61	166.00 13.74 -22.99	190.39 14.97 -36.64	197.25 17.95 -4.30	183.27 12.88 -49.11	161.64 8.39 -74.96	182.84 17.06 -4.44	167.64 11.05 -46.77	166.85 10.20 -48.49	170.96 13.83 0.00
FRESHKLS_33_KV_LOAD 356253	142.36 4.13 -88.49	148.92 10.99 0.00	166.28 12.06 0.00	250.15 11.68 -81.11	197.69 11.21 -39.49	154.58 11.62 7.95	183.35 17.00 78.04	229.09 17.91 46.31	212.12 16.28 19.46	155.66 15.76 37.85	166.13 7.82 -75.73	233.66 8.10 -137.37	285.09 11.28 -150.61	290.84 12.25 -145.01	227.45 9.05 -119.98	756.05 11.96 -614.82	209.12 12.89 -57.45	249.29 15.62 -58.67	225.93 11.19 -93.46	241.48 7.42 -155.75	1427.26 15.25 -1250.67	213.79 10.07 -93.90	212.92 9.74 -95.01	213.52 13.12 -43.27
FULTON COGEN____ 23766	55.67 -1.02 -6.94	134.80 -3.13 0.00	150.80 -3.43 0.00	153.60 -3.76 0.00	144.58 -3.30 -0.89	147.66 -3.25 0.00	239.11 -5.28 0.00	252.32 -5.16 0.00	211.15 -4.14 0.00	174.57 -3.18 0.00	86.95 -1.53 -5.92	91.47 -1.63 -4.91	121.72 -2.46 -0.98	131.65 -2.40 -0.46	100.29 -1.61 -3.47	127.53 -2.13 -0.39	136.39 -2.39 0.00	172.19 -3.15 -0.34	123.04 -2.14 -3.90	82.72 -1.48 -5.90	158.53 -3.16 -0.35	111.31 -2.22 -3.71	109.73 -2.28 -3.85	153.78 -3.34 0.00
FULTON___LFGE 323630	172.76 3.30 -119.72	147.14 9.21 0.00	164.67 10.45 0.00	167.89 10.53 0.00	172.42 10.15 -15.29	161.41 10.50 0.00	262.16 17.77 0.00	277.09 19.61 0.00	230.26 14.97 0.00	186.40 8.65 0.00	187.31 3.01 -101.73	176.29 3.69 -84.41	144.65 4.63 -16.82	147.77 6.21 -7.98	162.86 4.69 -59.75	142.54 6.60 -6.68	148.64 9.86 0.00	194.83 13.96 -5.87	198.06 9.66 -67.11	185.98 6.07 -101.62	179.77 12.36 -6.07	182.03 8.31 -63.90	182.31 7.90 -66.25	168.29 11.17 0.00
G.F.CEMENT___DRP 24184	165.16 4.60 -110.83	150.45 12.53 0.00	168.27 14.04 0.00	170.78 13.42 0.00	174.54 13.41 -14.15	165.37 14.45 0.00	266.68 22.29 0.00	281.20 23.72 0.00	236.41 21.11 0.00	194.05 16.29 0.00	183.75 7.10 -94.07	173.40 7.14 -78.06	148.91 10.17 -15.54	152.60 11.65 -7.37	162.11 8.47 -55.21	147.05 11.61 -6.17	152.10 13.32 0.00	197.98 17.54 -5.43	195.51 12.14 -62.09	179.83 7.52 -94.01	181.99 15.04 -5.61	179.23 10.29 -59.12	179.67 10.22 -61.29	172.14 15.02 0.00
GARDENVILLE___LBMP 24039	59.52 -3.70 -13.48	127.94 -9.99 0.00	143.45 -10.78 0.00	146.13 -11.23 0.00	135.68 -10.71 0.60	138.48 -11.18 1.25	225.75 -18.64 0.00	235.85 -21.63 0.00	196.79 -17.45 1.05	164.03 -13.72 0.00	86.25 -7.35 -11.03	91.10 -7.21 -10.12	115.58 -9.65 -2.02	125.89 -8.66 -0.96	99.76 -5.84 -7.19	122.10 -7.97 -0.80	129.20 -9.58 0.00	158.40 -12.80 3.81	118.71 -9.53 -6.96	83.73 -6.78 -12.21	147.47 -13.84 0.03	107.82 -9.42 -7.43	107.21 -8.69 -7.73	146.69 -10.44 0.00
GARDNVLA_35_KV_LD 355827	59.85 -3.50 -13.60	128.58 -9.34 0.00	144.14 -10.09 0.00	146.73 -10.63 0.00	136.24 -10.17 0.58	139.08 -10.59 1.25	226.91 -17.48 0.00	237.07 -20.41 0.00	197.79 -16.46 1.04	164.84 -12.92 0.00	86.73 -6.97 -11.13	91.63 -6.75 -10.19	116.23 -9.01 -2.04	126.58 -7.97 -0.97	100.31 -5.36 -7.25	122.71 -7.37 -0.81	129.84 -8.94 0.00	159.24 -11.97 3.79	119.34 -8.97 -7.03	84.19 -6.41 -12.31	148.22 -13.10 0.03	108.37 -8.93 -7.49	107.71 -8.25 -7.80	147.30 -9.82 0.00
GELCKHM___115KV_LOAD 80723	56.88 -0.81 -7.95	135.58 -2.35 0.00	151.63 -2.60 0.00	154.52 -2.84 0.00	145.48 -2.52 -1.02	148.49 -2.42 0.00	240.32 -4.08 0.00	253.52 -3.96 0.00	212.24 -3.05 0.00	175.40 -2.35 0.00	88.18 -1.16 -6.77	92.63 -1.18 -5.62	122.72 -1.60 -1.12	132.63 -1.49 -0.53	101.43 -0.97 -3.98	128.41 -1.30 -0.44	137.34 -1.45 0.00	173.46 -1.94 -0.39	124.40 -1.34 -4.46	84.06 -0.99 -6.76	159.58 -2.16 -0.40	112.56 -1.50 -4.25	110.97 -1.59 -4.41	154.84 -2.28 0.00
GENERAL___MILLS 23808	59.73 -3.58 -13.57	128.36 -9.56 0.00	143.89 -10.34 0.00	146.49 -10.88 0.00	136.04 -10.35 0.59	138.89 -10.78 1.25	226.48 -17.91 0.00	236.64 -20.84 0.00	197.41 -16.84 1.04	164.53 -13.22 0.00	86.54 -7.13 -11.10	91.43 -6.93 -10.17	115.97 -9.27 -2.04	126.31 -8.24 -0.96	100.09 -5.56 -7.23	122.46 -7.61 -0.81	129.60 -9.18 0.00	158.89 -12.31 3.80	119.08 -9.21 -7.01	84.01 -6.57 -12.28	147.93 -13.38 0.03	108.15 -9.13 -7.47	107.54 -8.40 -7.78	147.06 -10.06 0.00
GE_PLASTICS___DRP 24183	158.45 2.10 -106.61	143.64 5.72 0.00	160.69 6.46 0.00	163.26 5.90 0.00	166.64 6.04 -13.61	157.01 6.10 0.00	252.47 8.08 0.00	265.89 8.41 0.00	222.67 7.38 0.00	184.62 6.86 0.00	176.46 3.33 -90.55	166.94 3.61 -75.14	143.32 5.14 -14.97	146.30 5.62 -7.10	155.76 4.15 -53.18	140.50 5.29 -5.94	144.27 5.49 0.00	186.88 6.65 -5.23	185.64 4.62 -59.74	171.66 2.90 -90.46	172.77 6.03 -5.40	170.88 4.18 -56.88	171.24 4.11 -58.97	163.09 5.97 0.00
GILBOA___1 23756	136.42 2.05 -84.63	143.79 5.87 0.00	161.30 7.07 0.00	164.01 6.65 0.00	163.98 6.19 -10.81	156.79 5.87 0.00	251.50 7.10 0.00	264.63 7.15 0.00	222.16 6.87 0.00	184.64 6.88 0.00	158.08 3.60 -71.91	152.30 4.43 -59.67	141.30 6.20 -11.89	146.04 6.82 -5.64	145.63 4.97 -42.24	139.62 5.63 -4.72	144.60 5.82 0.00	185.78 6.63 -4.15	173.45 4.77 -47.41	153.22 3.14 -71.78	172.03 6.41 -4.29	159.56 4.61 -45.14	159.44 4.49 -46.79	163.62 6.49 0.00
GILBOA___2 23757	136.42 2.05 -84.63	143.79 5.87 0.00	161.30 7.07 0.00	164.01 6.65 0.00	163.98 6.19 -10.81	156.79 5.87 0.00	251.50 7.10 0.00	264.63 7.15 0.00	222.16 6.87 0.00	184.64 6.88 0.00	158.08 3.60 -71.91	152.30 4.43 -59.67	141.30 6.20 -11.89	146.04 6.82 -5.64	145.63 4.97 -42.24	139.62 5.63 -4.72	144.60 5.82 0.00	185.78 6.63 -4.15	173.45 4.77 -47.41	153.22 3.14 -71.78	172.03 6.41 -4.29	159.56 4.61 -45.14	159.44 4.49 -46.79	163.62 6.49 0.00

GILBOA___3 23758	136.42 2.05 -84.63	143.79 5.87 0.00	161.30 7.07 0.00	164.01 6.65 0.00	163.98 6.19 -10.81	156.79 5.87 0.00	251.50 7.10 0.00	264.63 7.15 0.00	222.16 6.87 0.00	184.64 6.88 0.00	158.08 3.60 -71.91	152.30 4.43 -59.67	141.30 6.20 -11.89	146.04 6.82 -5.64	145.63 4.97 -42.24	139.62 5.63 -4.72	144.60 5.82 0.00	185.78 6.63 -4.15	173.45 4.77 -47.41	153.22 3.14 -71.78	172.03 6.41 -4.29	159.56 4.61 -45.14	159.44 4.49 -46.79	163.62 6.49 0.00
GILBOA___4 23759	136.42 2.05 -84.63	143.79 5.87 0.00	161.30 7.07 0.00	164.01 6.65 0.00	163.98 6.19 -10.81	156.79 5.87 0.00	251.50 7.10 0.00	264.63 7.15 0.00	222.16 6.87 0.00	184.64 6.88 0.00	158.08 3.60 -71.91	152.30 4.43 -59.67	141.30 6.20 -11.89	146.04 6.82 -5.64	145.63 4.97 -42.24	139.62 5.63 -4.72	144.60 5.82 0.00	185.78 6.63 -4.15	173.45 4.77 -47.41	153.22 3.14 -71.78	172.03 6.41 -4.29	159.56 4.61 -45.14	159.44 4.49 -46.79	163.62 6.49 0.00
GILBOA___ 23599	136.42 2.05 -84.63	143.79 5.87 0.00	161.30 7.07 0.00	164.00 6.64 0.00	163.99 6.20 -10.81	156.79 5.87 0.00	251.48 7.09 0.00	264.63 7.15 0.00	222.16 6.87 0.00	184.64 6.88 0.00	158.08 3.60 -71.91	152.29 4.43 -59.67	141.28 6.19 -11.89	146.04 6.83 -5.64	145.63 4.97 -42.24	139.64 5.65 -4.72	144.60 5.82 0.00	185.78 6.63 -4.15	173.44 4.75 -47.41	153.22 3.14 -71.78	172.03 6.41 -4.29	159.54 4.59 -45.14	159.44 4.49 -46.79	163.61 6.49 0.00
GINNA___ 23603	55.88 -3.72 -9.86	127.62 -10.31 0.00	142.81 -11.42 0.00	145.59 -11.76 0.00	136.15 -10.93 -0.10	139.10 -11.19 0.63	226.26 -18.13 0.00	237.58 -19.90 0.00	198.23 -16.52 0.54	164.30 -13.45 0.00	84.12 -6.62 -8.17	88.71 -6.77 -7.28	115.51 -9.14 -1.45	125.34 -8.93 -0.69	97.41 -6.16 -5.15	120.52 -8.50 0.26	128.36 -9.50 0.92	158.83 -12.30 3.87	117.09 -8.75 -4.56	80.97 -5.97 -8.64	148.69 -12.65 -0.01	106.52 -8.68 -5.38	105.33 -8.43 -5.60	145.55 -11.57 0.00
GLEN PARK___ 23778	56.38 2.12 -4.51	143.48 5.56 0.00	160.61 6.38 0.00	163.84 6.48 0.00	153.52 5.96 -0.58	157.54 6.63 0.00	257.54 13.15 0.00	273.20 15.72 0.00	228.32 13.03 0.00	187.39 9.64 0.00	89.98 3.56 -3.84	94.58 3.20 -3.19	127.14 3.31 -0.64	137.14 3.26 -0.30	103.29 2.61 -2.26	134.12 4.60 -0.25	145.90 7.12 0.00	185.34 10.12 -0.22	130.47 6.66 -2.53	85.62 3.48 -3.83	169.17 7.60 -0.23	117.72 5.49 -2.41	115.73 5.07 -2.50	164.50 7.38 0.00
GLENDALE_27_KV_LOAD 356172	142.66 4.43 -88.49	149.52 11.59 0.00	166.93 12.71 0.00	169.80 12.43 0.00	170.67 12.47 -11.21	164.02 13.10 0.00	263.53 19.14 0.00	277.74 20.25 0.00	233.57 18.28 0.00	195.08 17.33 0.00	165.80 8.57 -74.66	159.20 9.10 -61.90	148.26 12.72 -12.33	153.11 13.68 -5.85	152.19 9.95 -43.82	147.40 13.23 -4.90	152.89 14.11 0.00	196.24 16.94 -4.30	182.35 11.95 -49.12	160.57 7.88 -74.38	182.40 16.43 -4.64	167.74 11.13 -46.79	167.40 10.74 -48.51	171.71 14.59 0.00
GLENWOOD_IC_1_G5 23712	142.89 4.68 -88.46	154.13 12.62 -3.59	167.43 13.20 0.00	169.43 12.06 0.00	171.28 13.09 -11.21	164.34 13.43 0.00	263.07 18.68 0.00	278.59 21.11 0.00	233.73 18.44 0.00	194.75 17.00 0.00	166.07 8.93 -74.57	164.80 9.11 -67.50	157.93 13.15 -21.58	159.94 14.47 -11.89	159.49 10.41 -50.65	161.91 13.90 -18.74	187.78 14.96 -34.03	196.20 16.90 -4.30	182.49 12.11 -49.11	161.58 8.32 -74.96	182.75 16.97 -4.44	167.59 11.00 -46.77	166.99 10.34 -48.49	171.14 14.02 0.00
GLENWOOD_IC_2_G1 23688	142.74 4.54 -88.46	153.70 12.18 -3.59	166.99 12.76 0.00	169.01 11.65 0.00	170.84 12.65 -11.21	163.88 12.96 0.00	262.27 17.88 0.00	277.82 20.34 0.00	233.26 17.97 0.00	194.45 16.70 0.00	165.75 8.61 -74.57	161.48 8.81 -64.48	153.14 12.70 -17.24	157.28 13.97 -9.72	156.96 10.07 -48.47	156.67 13.40 -14.00	184.42 14.51 -31.13	196.37 17.08 -4.30	182.56 12.17 -49.11	161.31 8.05 -74.96	182.21 16.43 -4.44	167.30 10.72 -46.77	166.68 10.03 -48.49	170.76 13.63 0.00
GLENWOOD_IC_3_G1 23689	142.74 4.54 -88.46	153.70 12.18 -3.59	166.99 12.76 0.00	169.01 11.65 0.00	170.84 12.65 -11.21	163.88 12.96 0.00	262.27 17.88 0.00	277.82 20.34 0.00	233.26 17.97 0.00	194.45 16.70 0.00	165.75 8.61 -74.57	161.48 8.81 -64.48	153.14 12.70 -17.24	157.28 13.97 -9.72	156.96 10.07 -48.47	156.67 13.40 -14.00	184.42 14.51 -31.13	196.37 17.08 -4.30	182.56 12.17 -49.11	161.31 8.05 -74.96	182.21 16.43 -4.44	167.30 10.72 -46.77	166.68 10.03 -48.49	170.76 13.63 0.00
GLENWOOD___4 23550	142.89 4.68 -88.46	154.13 12.62 -3.59	167.43 13.20 0.00	169.43 12.06 0.00	171.28 13.09 -11.21	164.34 13.43 0.00	263.07 18.68 0.00	278.61 21.13 0.00	233.87 18.58 0.00	194.90 17.14 0.00	166.07 8.93 -74.57	164.80 9.11 -67.50	157.93 13.15 -21.58	159.94 14.47 -11.89	159.49 10.41 -50.65	161.91 13.90 -18.74	187.79 14.97 -34.03	196.54 17.24 -4.30	182.68 12.29 -49.11	161.58 8.32 -74.96	182.75 16.97 -4.44	167.59 11.00 -46.77	166.99 10.34 -48.49	171.16 14.04 0.00
GLENWOOD___5 23614	142.89 4.68 -88.46	154.13 12.62 -3.59	167.43 13.20 0.00	169.43 12.06 0.00	171.28 13.09 -11.21	164.34 13.43 0.00	263.07 18.68 0.00	278.61 21.13 0.00	233.87 18.58 0.00	194.90 17.14 0.00	166.07 8.93 -74.57	164.80 9.11 -67.50	157.93 13.15 -21.58	159.94 14.47 -11.89	159.49 10.41 -50.65	161.91 13.90 -18.74	187.79 14.97 -34.03	196.54 17.24 -4.30	182.68 12.29 -49.11	161.58 8.32 -74.96	182.75 16.97 -4.44	167.59 11.00 -46.77	166.99 10.34 -48.49	171.16 14.04 0.00
GLOBAL GREEN_PORT_GT1 23814	144.62 6.42 -88.46	159.16 17.65 -3.59	172.53 18.31 0.00	174.14 16.78 0.00	176.37 18.18 -11.21	166.71 15.80 0.00	261.13 16.74 0.00	278.11 20.63 0.00	232.83 17.54 0.00	198.30 20.55 0.00	168.27 11.13 -74.57	161.50 10.12 -63.18	153.34 14.76 -15.37	158.57 16.20 -8.79	157.67 11.71 -47.54	157.61 16.37 -11.97	188.01 19.34 -29.89	201.34 22.04 -4.30	186.63 16.24 -49.11	163.08 9.83 -74.96	185.01 19.23 -4.44	168.22 11.64 -46.77	167.36 10.72 -48.49	171.74 14.62 0.00
GLOBE___DSASP 323697	57.36 -4.97 -12.57	124.15 -13.77 0.00	139.03 -15.20 0.00	141.76 -15.60 0.00	131.60 -15.00 0.38	134.04 -15.80 1.07	217.54 -26.85 0.00	225.84 -31.65 0.00	188.26 -26.13 0.91	156.64 -21.11 0.00	82.15 -10.75 -10.32	86.82 -10.77 -9.40	110.54 -14.54 -1.88	120.58 -13.90 -0.89	95.48 -9.61 -6.67	117.08 -12.93 -0.74	123.68 -15.09 0.00	152.31 -19.48 3.21	113.53 -14.29 -6.54	79.79 -9.84 -11.33	141.24 -20.12 -0.02	102.97 -13.76 -6.91	102.54 -12.81 -7.19	141.25 -15.87 0.00
GOETHSLN___LBMP 323567	141.93 3.71 -88.48	147.52 9.59 0.00	-168.57 10.53 333.33	59.19 10.37 108.54	79.37 10.60 78.21	79.57 11.19 82.53	111.38 15.78 148.79	139.17 16.80 135.12	81.14 15.25 149.40	69.19 14.75 123.31	114.96 7.21 -25.17	-64.78 7.73 160.70	-213.46 10.75 347.41	-45.15 11.70 190.43	20.67 8.52 86.27	-536.77 11.29 677.33	45.75 12.15 105.18	72.45 14.55 117.10	54.63 10.16 76.82	24.20 6.68 60.78	-1175.38 14.23 1350.95	53.18 9.70 66.34	53.19 9.47 64.43	53.16 12.78 116.75
GOLAH___69_KV_TB 1_2 80279	58.22 -1.83 -10.31	132.88 -5.04 0.00	148.74 -5.49 0.00	151.69 -5.67 0.00	141.58 -5.40 0.00	144.61 -5.60 0.71	235.07 -9.33 0.00	246.43 -11.05 0.00	205.61 -9.07 0.61	170.35 -7.40 0.00	86.93 -4.17 -8.53	91.69 -4.13 -7.63	119.28 -5.45 -1.52	129.89 -4.41 -0.72	100.98 -2.85 -5.41	125.88 -3.99 -0.60	134.03 -4.75 0.00	166.92 -6.06 2.02	122.26 -4.46 -5.44	84.21 -3.28 -9.19	154.44 -7.02 -0.12	110.62 -4.84 -5.63	109.50 -4.52 -5.86	151.70 -5.42 0.00

GOODYEAR_LAKE_HYD 323669	79.10 2.29 -27.06	144.33 6.41 0.00	161.73 7.50 0.00	164.75 7.39 0.00	157.38 6.93 -3.47	157.82 6.91 0.00	255.51 11.11 0.00	270.13 12.65 0.00	226.46 11.16 0.00	187.13 9.38 0.00	109.96 4.33 -23.06	112.22 4.89 -19.14	133.94 6.93 -3.81	143.12 7.72 -1.81	117.78 5.82 -13.54	138.23 7.44 -1.51	147.16 8.38 0.00	186.57 10.24 -1.33	143.58 7.09 -15.21	105.85 4.53 -23.02	172.02 9.30 -1.38	130.61 6.32 -14.48	129.16 5.98 -15.01	165.39 8.26 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	77.14 -0.08 -27.47	137.77 -0.15 0.00	154.48 0.25 0.00	156.79 -0.57 0.00	148.96 -0.39 -2.36	149.83 -0.47 0.62	243.13 -1.26 0.00	256.89 -0.59 0.00	214.90 0.16 0.55	177.98 0.23 0.00	105.81 0.00 -23.24	108.25 0.28 -19.78	127.84 0.70 -3.94	136.49 1.04 -1.87	113.40 0.98 -14.00	132.17 1.33 -1.56	139.71 0.94 0.00	174.57 0.42 0.86	136.84 0.40 -15.16	102.20 0.11 -23.78	162.77 0.39 -1.04	124.96 0.31 -14.83	123.89 0.34 -15.39	157.59 0.47 0.00
GOUDEY___7 23579	77.14 -0.08 -27.47	137.77 -0.15 0.00	154.48 0.25 0.00	156.79 -0.57 0.00	148.96 -0.39 -2.36	149.83 -0.47 0.62	243.13 -1.26 0.00	256.89 -0.59 0.00	214.90 0.16 0.55	177.98 0.23 0.00	105.81 0.00 -23.24	108.25 0.28 -19.78	127.84 0.70 -3.94	136.49 1.04 -1.87	113.40 0.98 -14.00	132.17 1.33 -1.56	139.71 0.94 0.00	174.57 0.42 0.86	136.84 0.40 -15.16	102.20 0.11 -23.78	162.77 0.39 -1.04	124.96 0.31 -14.83	123.89 0.34 -15.39	157.59 0.47 0.00
GOUDEY___8 23580	77.14 -0.08 -27.47	137.77 -0.15 0.00	154.48 0.25 0.00	156.79 -0.57 0.00	148.96 -0.39 -2.36	149.83 -0.47 0.62	243.13 -1.26 0.00	256.89 -0.59 0.00	214.90 0.16 0.55	177.98 0.23 0.00	105.81 0.00 -23.24	108.25 0.28 -19.78	127.84 0.70 -3.94	136.49 1.04 -1.87	113.40 0.98 -14.00	132.17 1.33 -1.56	139.71 0.94 0.00	174.57 0.42 0.86	136.84 0.40 -15.16	102.20 0.11 -23.78	162.77 0.39 -1.04	124.96 0.31 -14.83	123.89 0.34 -15.39	157.59 0.47 0.00
GOWANUS_GT1_1 24077	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_2 24078	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_3 24079	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_4 24080	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_5 24084	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_6 24111	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_7 24112	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT1_8 24113	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_1 24114	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_2 24115	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_3 24116	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27

GOWANUS_GT2_4 24117	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_5 24118	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_6 24119	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_7 24120	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT2_8 24121	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_1 24122	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_2 24123	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_3 24124	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_4 24125	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_5 24126	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_6 24127	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_7 24128	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT3_8 24129	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_1 24130	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_2 24131	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27

GOWANUS_GT4_3 24132	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_4 24133	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_5 24134	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_6 24135	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_7 24136	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GOWANUS_GT4_8 24137	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	190.56 8.36 -99.62	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1443.09 16.31 -1265.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GREENBSH_115KV_TB3 55895	159.03 2.16 -107.12	143.74 5.81 0.00	160.71 6.48 0.00	163.10 5.74 0.00	166.66 6.00 -13.68	156.91 6.00 0.00	252.24 7.85 0.00	265.73 8.24 0.00	222.42 7.13 0.00	184.46 6.70 0.00	176.74 3.18 -91.00	167.08 3.38 -75.51	143.17 4.92 -15.05	146.09 5.38 -7.13	155.85 3.98 -53.45	140.37 5.13 -5.97	144.05 5.27 0.00	186.56 6.30 -5.25	185.68 4.35 -60.05	171.94 2.71 -90.93	172.36 5.59 -5.43	170.89 3.89 -57.18	171.26 3.83 -59.28	162.75 5.62 0.00
GREENIDGE_115KV_TB5 80291	62.90 -1.44 -14.59	132.92 -5.00 0.00	149.08 -5.15 0.00	151.32 -6.04 0.00	136.90 -5.40 4.68	142.19 -5.20 3.52	236.75 -7.65 0.00	250.07 -7.41 0.00	206.29 -5.88 3.13	172.19 -5.56 0.00	90.69 -3.12 -11.23	97.41 -2.94 -12.16	121.70 -3.92 -2.42	131.68 -3.05 -1.15	105.02 -1.98 -8.58	127.87 -2.35 -0.96	136.07 -2.71 0.00	159.31 -3.85 11.85	125.19 -2.61 -6.52	91.51 -1.37 -14.58	155.65 -4.41 1.27	115.27 -3.00 -8.45	114.00 -3.03 -8.87	152.89 -4.23 0.00
GREENIDGE___3 23582	62.90 -1.44 -14.59	132.92 -5.00 0.00	149.08 -5.15 0.00	151.32 -6.04 0.00	136.90 -5.40 4.68	142.19 -5.20 3.52	236.75 -7.65 0.00	250.07 -7.41 0.00	206.29 -5.88 3.13	172.19 -5.56 0.00	90.69 -3.12 -11.23	97.41 -2.94 -12.16	121.70 -3.92 -2.42	131.68 -3.05 -1.15	105.02 -1.98 -8.58	127.87 -2.35 -0.96	136.07 -2.71 0.00	159.31 -3.85 11.85	125.19 -2.61 -6.52	91.51 -1.37 -14.58	155.65 -4.41 1.27	115.27 -3.00 -8.45	114.00 -3.03 -8.87	152.89 -4.23 0.00
GREENIDGE___4 23583	62.89 -1.45 -14.59	132.92 -5.00 0.00	149.07 -5.16 0.00	151.32 -6.04 0.00	136.91 -5.39 4.68	142.18 -5.22 3.52	236.72 -7.67 0.00	250.07 -7.41 0.00	206.31 -5.86 3.13	172.16 -5.60 0.00	90.70 -3.11 -11.23	97.41 -2.95 -12.16	121.70 -3.92 -2.42	131.67 -3.06 -1.15	105.02 -1.98 -8.58	128.76 -2.36 -1.85	137.06 -2.71 -0.98	161.54 -3.89 9.58	125.92 -2.61 -7.24	91.65 -1.35 -14.70	155.79 -4.42 1.13	115.28 -2.99 -8.45	114.01 -3.02 -8.87	152.90 -4.23 0.00
GREENLWN_69_KV_BK 3 55738	142.60 4.39 -88.46	153.48 11.97 -3.59	166.30 12.07 0.00	167.89 10.52 0.00	170.27 12.08 -11.21	162.98 12.06 0.00	260.32 15.93 0.00	276.19 18.70 0.00	231.88 16.59 0.00	193.49 15.74 0.00	165.37 8.22 -74.57	159.81 8.21 -63.41	151.18 12.28 -15.70	156.13 13.59 -8.95	155.75 9.63 -47.70	154.41 12.82 -12.32	182.70 13.81 -30.10	195.67 16.37 -4.30	182.11 11.72 -49.11	160.95 7.69 -74.96	181.27 15.49 -4.44	166.44 9.85 -46.77	165.81 9.16 -48.49	169.71 12.59 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.93 8.36 -95.99	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.90 16.31 -1252.26	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27
GRISSOM___SOLAR 323813	171.73 3.34 -118.64	147.26 9.34 0.00	164.71 10.48 0.00	167.89 10.53 0.00	172.29 10.16 -15.15	161.44 10.52 0.00	261.87 17.48 0.00	276.75 19.27 0.00	229.89 14.60 0.00	185.88 8.13 0.00	186.21 2.83 -100.81	175.22 3.38 -83.65	143.99 4.11 -16.67	147.28 5.79 -7.90	161.99 4.36 -59.21	141.96 6.08 -6.62	148.41 9.63 0.00	194.64 13.82 -5.82	197.37 9.58 -66.51	184.99 5.99 -100.70	179.57 12.21 -6.02	181.40 8.26 -63.32	181.71 7.90 -65.65	168.23 11.11 0.00
GROVEVILLE___HYD 323602	142.03 4.21 -88.08	149.14 11.21 0.00	166.63 12.41 0.00	169.30 11.93 0.00	170.29 12.05 -11.26	163.58 12.66 0.00	262.90 18.51 0.00	277.43 19.95 0.00	232.79 17.50 0.00	193.55 15.80 0.00	165.20 7.74 -74.89	158.58 8.25 -62.14	147.04 11.45 -12.38	151.84 12.39 -5.87	151.48 9.07 -43.98	146.14 11.95 -4.91	151.75 12.98 0.00	195.48 16.17 -4.31	181.99 11.39 -49.32	160.32 7.33 -74.68	180.99 15.19 -4.46	167.03 10.24 -46.97	166.83 9.97 -48.70	171.02 13.90 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00

HAMLTNNY_34_KV_TB 80303	58.75 -0.46 -9.47	136.54 -1.38 0.00	152.78 -1.45 0.00	155.74 -1.62 0.00	146.86 -1.33 -1.21	149.71 -1.20 0.00	242.30 -2.09 0.00	255.93 -1.55 0.00	214.23 -1.06 0.00	176.88 -0.88 0.00	90.11 -0.53 -8.07	94.43 -0.46 -6.69	123.97 -0.57 -1.33	133.89 -0.32 -0.63	103.08 -0.08 -4.74	129.60 -0.19 -0.53	138.58 -0.19 0.00	175.14 -0.32 -0.46	126.36 -0.23 -5.31	86.07 -0.27 -8.05	161.13 -0.68 -0.48	114.34 -0.54 -5.06	112.80 -0.61 -5.25	156.22 -0.91 0.00
HAMPSHIRE___PAPER_HYD 323593	52.22 0.24 -2.24	138.45 0.53 0.00	155.37 1.14 0.00	159.49 2.12 0.00	148.34 1.07 -0.29	151.57 0.66 0.00	246.20 1.81 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.88 -2.63 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.35 -2.05 -0.12	137.60 -1.18 0.00	173.86 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.75 -0.26 -1.19	109.47 0.07 -1.24	158.03 0.91 0.00
HARDSCRABBLE_WT_PWR 323673	51.71 1.96 0.00	143.37 5.45 0.00	160.64 6.42 0.00	163.25 5.89 0.00	153.26 6.28 0.00	157.62 6.71 0.00	253.00 8.60 0.00	267.86 10.38 0.00	223.61 8.32 0.00	183.93 6.18 0.00	85.44 2.87 0.00	91.44 3.25 0.00	127.38 4.18 0.00	138.79 5.21 0.00	102.56 4.14 0.00	134.52 5.25 0.00	145.06 6.28 0.00	183.71 8.71 0.00	127.44 6.16 0.00	82.16 3.87 0.00	169.28 7.95 0.00	115.35 5.54 0.00	113.38 5.22 0.00	164.25 7.12 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	134.38 3.47 -81.16	147.22 9.30 0.00	164.49 10.26 0.00	167.22 9.86 0.00	167.68 10.15 -10.54	161.58 10.66 0.00	259.72 15.33 0.00	274.02 16.54 0.00	229.99 14.70 0.00	191.26 13.51 0.00	159.47 6.77 -70.12	153.59 7.22 -58.18	144.77 9.97 -11.59	149.93 10.85 -5.50	147.58 7.97 -41.18	144.26 10.39 -4.60	150.14 11.36 0.00	193.02 13.98 -4.04	177.30 9.84 -46.18	154.60 6.38 -69.92	178.75 13.24 -4.18	162.73 8.93 -43.98	162.45 8.69 -45.59	168.96 11.84 0.00
HARSNRAD_115KV_TB1 81005	57.41 -4.70 -12.36	125.28 -12.65 0.00	140.29 -13.94 0.00	142.98 -14.38 0.00	132.82 -13.80 0.36	135.54 -14.33 1.05	219.68 -24.71 0.00	228.37 -29.10 0.01	190.06 -24.12 1.11	158.56 -19.19 0.00	82.71 -9.92 -10.05	87.52 -9.91 -9.24	111.61 -13.44 -1.85	121.77 -12.69 -0.87	96.23 -8.75 -6.56	118.14 -11.86 -0.73	125.00 -13.78 0.00	153.45 -17.99 3.56	114.57 -13.09 -6.37	80.42 -9.02 -11.14	142.73 -18.50 0.10	103.93 -12.68 -6.79	103.49 -11.75 -7.07	142.85 -14.27 0.00
HARZA MOOSE___RIVER 24016	54.30 1.73 -2.82	142.61 4.69 0.00	159.65 5.42 0.00	162.90 5.54 0.00	152.39 5.05 -0.36	156.39 5.48 0.00	254.13 9.74 0.00	268.69 11.21 0.00	224.68 9.38 0.00	185.13 7.37 0.00	88.07 3.09 -2.40	92.96 2.77 -1.99	126.96 3.36 -0.40	137.32 3.55 -0.19	102.66 2.82 -1.41	133.73 4.30 -0.16	144.32 5.54 0.00	182.53 7.39 -0.14	127.70 4.84 -1.58	83.43 2.73 -2.40	167.23 5.75 -0.14	115.49 4.17 -1.51	113.70 3.98 -1.56	162.93 5.80 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	56.96 -0.82 -8.03	135.51 -2.41 0.00	151.63 -2.60 0.00	154.44 -2.92 0.00	145.48 -2.53 -1.03	148.40 -2.51 0.00	240.26 -4.14 0.00	253.44 -4.04 0.00	212.15 -3.14 0.00	175.42 -2.34 0.00	88.27 -1.15 -6.84	92.71 -1.16 -5.68	122.79 -1.55 -1.13	132.73 -1.39 -0.54	101.57 -0.87 -4.02	128.54 -1.18 -0.45	137.37 -1.41 0.00	173.44 -1.96 -0.39	124.43 -1.36 -4.51	84.12 -1.01 -6.83	159.56 -2.18 -0.41	112.61 -1.50 -4.30	111.02 -1.59 -4.45	154.83 -2.29 0.00
HELLGATE_13_KV_LD 55870	142.41 4.18 -88.49	148.84 10.91 0.00	166.19 11.96 0.00	169.03 11.67 0.00	169.98 11.78 -11.21	163.29 12.37 0.00	262.27 17.88 0.00	276.36 18.88 0.00	232.28 16.99 0.00	194.07 16.31 0.00	165.29 8.11 -74.61	158.71 8.61 -61.90	147.58 12.04 -12.33	152.35 12.92 -5.85	151.67 9.43 -43.82	146.65 12.49 -4.90	152.08 13.30 0.00	195.24 15.94 -4.30	181.64 11.23 -49.12	160.14 7.46 -74.38	181.27 15.49 -4.44	167.15 10.54 -46.79	166.81 10.14 -48.51	170.95 13.83 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	142.41 4.18 -88.49	148.84 10.91 0.00	166.19 11.96 0.00	169.03 11.67 0.00	169.98 11.78 -11.21	163.29 12.37 0.00	262.27 17.88 0.00	276.36 18.88 0.00	232.28 16.99 0.00	194.07 16.31 0.00	165.29 8.11 -74.61	158.71 8.61 -61.90	147.58 12.04 -12.33	152.35 12.92 -5.85	151.67 9.43 -43.82	146.65 12.49 -4.90	152.08 13.30 0.00	195.24 15.94 -4.30	181.64 11.23 -49.12	160.14 7.46 -74.38	181.27 15.49 -4.44	167.15 10.54 -46.79	166.81 10.14 -48.51	170.95 13.83 0.00
HEMPSTEAD____ 23647	142.73 4.52 -88.46	153.68 12.17 -3.59	166.85 12.62 0.00	168.82 11.45 0.00	170.78 12.58 -11.21	163.71 12.79 0.00	261.95 17.56 0.00	277.67 20.19 0.00	233.06 17.77 0.00	194.34 16.59 0.00	165.81 8.66 -74.57	165.33 8.74 -68.40	158.68 12.60 -22.87	159.97 13.84 -12.54	159.69 9.96 -51.30	162.77 13.35 -20.15	188.10 14.41 -34.90	196.27 16.98 -4.30	182.50 12.12 -49.11	161.29 8.03 -74.96	182.13 16.35 -4.44	167.18 10.60 -46.77	166.45 9.80 -48.49	170.40 13.28 0.00
HEWLETT_69_KV_BK3 55828	142.88 4.67 -88.46	154.08 12.56 -3.59	167.32 13.09 0.00	169.44 12.08 0.00	171.26 13.06 -11.21	164.34 13.43 0.00	263.26 18.86 0.00	278.87 21.39 0.00	234.09 18.80 0.00	195.05 17.29 0.00	166.07 8.92 -74.57	180.32 9.20 -82.92	180.15 13.19 -43.76	171.03 14.47 -22.98	170.68 10.46 -61.79	186.12 13.91 -42.94	202.75 15.10 -48.87	197.47 18.18 -4.30	183.24 12.86 -49.11	161.62 8.36 -74.96	182.85 17.07 -4.44	167.69 11.10 -46.77	167.09 10.44 -48.49	171.27 14.15 0.00
HICKLING___1 23621	67.89 -1.42 -19.56	134.05 -3.87 0.00	150.86 -3.37 0.00	152.49 -4.87 0.00	138.93 -4.51 3.54	143.19 -4.48 3.25	237.52 -6.87 0.00	251.17 -6.31 0.00	207.83 -4.59 2.87	173.81 -3.95 0.00	95.78 -2.36 -15.56	101.72 -2.00 -15.53	124.10 -2.19 -3.09	133.48 -1.57 -1.46	108.69 -0.70 -10.97	129.90 -0.59 -1.23	137.07 -1.71 0.00	160.89 -3.48 10.63	128.42 -2.31 -9.45	95.21 -1.73 -18.64	156.98 -3.50 0.86	118.54 -2.34 -11.06	117.47 -2.26 -11.57	154.16 -2.96 0.00
HICKLING___2 23622	67.89 -1.42 -19.56	134.05 -3.87 0.00	150.86 -3.37 0.00	152.49 -4.87 0.00	138.93 -4.51 3.54	143.19 -4.48 3.25	237.52 -6.87 0.00	251.17 -6.31 0.00	207.83 -4.59 2.87	173.81 -3.95 0.00	95.78 -2.36 -15.56	101.72 -2.00 -15.53	124.10 -2.19 -3.09	133.48 -1.57 -1.46	108.69 -0.70 -10.97	129.90 -0.59 -1.23	137.07 -1.71 0.00	160.89 -3.48 10.63	128.42 -2.31 -9.45	95.21 -1.73 -18.64	156.98 -3.50 0.86	118.54 -2.34 -11.06	117.47 -2.26 -11.57	154.16 -2.96 0.00
HIGH FALLS___HY 23754	141.53 4.25 -87.53	149.34 11.41 0.00	166.85 12.62 0.00	169.59 12.23 0.00	170.52 12.33 -11.21	163.89 12.98 0.00	263.87 19.48 0.00	278.62 21.14 0.00	233.95 18.66 0.00	194.37 16.62 0.00	165.28 8.15 -74.56	158.65 8.59 -61.86	147.15 11.63 -12.33	151.90 12.48 -5.84	151.49 9.28 -43.79	146.39 12.22 -4.89	152.22 13.44 0.00	196.19 16.89 -4.30	182.40 11.99 -49.12	160.47 7.79 -74.38	181.84 16.06 -4.44	167.44 10.84 -46.78	167.22 10.56 -48.50	171.55 14.42 0.00
HIGH_RIVER___SOLAR 323847	167.13 2.61 -114.77	145.14 7.22 0.00	162.39 8.16 0.00	165.40 8.03 0.00	169.48 7.84 -14.66	159.01 8.09 0.00	257.03 12.64 0.00	271.10 13.62 0.00	225.95 10.65 0.00	184.80 7.05 0.00	182.57 2.49 -97.51	172.28 3.18 -80.91	142.80 3.48 -16.12	145.39 4.16 -7.64	159.83 4.14 -57.27	141.03 5.36 -6.40	146.28 7.50 0.00	190.92 10.29 -5.63	192.69 7.08 -64.34	180.16 4.45 -97.41	176.29 9.13 -5.82	177.29 6.22 -61.26	177.68 6.01 -63.51	165.67 8.55 0.00

HILLBURN___GT 23639	135.09 3.27 -82.07	146.63 8.70 0.00	163.84 9.61 0.00	166.60 9.24 0.00	167.28 9.62 -10.68	161.09 10.17 0.00	258.82 14.43 0.00	273.05 15.57 0.00	229.10 13.81 0.00	190.68 12.93 0.00	160.21 6.56 -71.08	154.12 6.95 -58.98	144.57 9.62 -11.75	149.62 10.46 -5.57	147.86 7.70 -41.75	143.95 10.02 -4.66	149.71 10.93 0.00	192.41 13.32 -4.09	177.52 9.43 -46.80	155.33 6.15 -70.87	178.32 12.75 -4.23	163.03 8.64 -44.58	162.77 8.40 -46.21	168.44 11.32 0.00
HILLSIDE_115KV_TB1 80332	68.53 -1.71 -20.49	133.18 -4.74 0.00	149.83 -4.39 0.00	151.37 -5.99 0.00	138.50 -5.45 3.03	142.24 -5.63 3.04	235.34 -9.05 0.00	248.78 -8.71 0.00	205.99 -6.62 2.68	172.16 -5.60 0.00	96.14 -2.86 -16.43	101.68 -2.59 -16.07	123.25 -3.15 -3.20	132.11 -2.99 -1.52	107.89 -1.90 -11.36	128.37 -2.17 -1.27	135.28 -3.50 0.00	159.38 -5.78 9.84	127.61 -3.74 -10.07	95.02 -2.59 -19.31	155.56 -5.08 0.70	117.99 -3.35 -11.53	117.01 -3.19 -12.03	152.62 -4.50 0.00
HISHELDN_WT_PWR 323625	60.22 -3.96 -14.43	127.40 -10.52 0.00	143.09 -11.13 0.00	145.15 -12.21 0.00	134.32 -11.68 0.98	137.52 -11.87 1.52	225.14 -19.25 0.00	236.06 -21.41 0.00	196.91 -17.06 1.33	164.20 -13.55 0.00	87.09 -7.24 -11.76	91.99 -7.17 -10.97	115.85 -9.54 -2.19	126.28 -8.34 -1.04	100.69 -5.50 -7.76	121.55 -7.57 0.15	128.46 -9.19 1.13	155.04 -12.64 7.32	118.49 -9.33 -6.54	84.86 -6.49 -13.05	147.77 -13.26 0.30	109.00 -8.80 -7.99	108.34 -8.15 -8.33	146.97 -10.15 0.00
HOLTSVILLE_IC_1 23690	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.48 15.09 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
HOLTSVILLE_IC_10 23699	143.17 4.96 -88.46	155.18 13.66 -3.59	168.07 13.84 0.00	169.57 12.21 0.00	172.19 14.00 -11.21	164.71 13.79 0.00	260.49 16.10 0.00	277.81 20.33 0.00	233.09 17.80 0.00	195.21 17.45 0.00	166.35 9.21 -74.57	160.17 8.71 -63.26	151.61 12.93 -15.49	156.73 14.30 -8.84	156.19 10.18 -47.59	155.19 13.84 -12.09	184.27 15.53 -29.96	197.31 18.01 -4.30	183.51 13.12 -49.11	161.75 8.50 -74.96	182.88 17.11 -4.44	167.33 10.75 -46.77	166.40 9.75 -48.49	170.42 13.29 0.00
HOLTSVILLE_IC_2 23691	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.48 15.09 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
HOLTSVILLE_IC_3 23692	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.48 15.09 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
HOLTSVILLE_IC_4 23693	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.48 15.09 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
HOLTSVILLE_IC_5 23694	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.48 15.09 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
HOLTSVILLE_IC_6 23695	143.17 4.96 -88.46	155.18 13.66 -3.59	168.07 13.84 0.00	169.57 12.21 0.00	172.19 14.00 -11.21	164.71 13.79 0.00	260.49 16.10 0.00	277.81 20.33 0.00	233.09 17.80 0.00	195.21 17.45 0.00	166.35 9.21 -74.57	160.17 8.71 -63.26	151.61 12.93 -15.49	156.73 14.30 -8.84	156.19 10.18 -47.59	155.19 13.84 -12.09	184.27 15.53 -29.96	197.31 18.01 -4.30	183.51 13.12 -49.11	161.75 8.50 -74.96	182.88 17.11 -4.44	167.33 10.75 -46.77	166.40 9.75 -48.49	170.42 13.29 0.00
HOLTSVILLE_IC_7 23696	143.17 4.96 -88.46	155.18 13.66 -3.59	168.07 13.84 0.00	169.57 12.21 0.00	172.19 14.00 -11.21	164.71 13.79 0.00	260.49 16.10 0.00	277.81 20.33 0.00	233.09 17.80 0.00	195.21 17.45 0.00	166.35 9.21 -74.57	160.17 8.71 -63.26	151.61 12.93 -15.49	156.73 14.30 -8.84	156.19 10.18 -47.59	155.19 13.84 -12.09	184.27 15.53 -29.96	197.31 18.01 -4.30	183.51 13.12 -49.11	161.75 8.50 -74.96	182.88 17.11 -4.44	167.33 10.75 -46.77	166.40 9.75 -48.49	170.42 13.29 0.00
HOLTSVILLE_IC_8 23697	143.17 4.96 -88.46	155.18 13.66 -3.59	168.07 13.84 0.00	169.57 12.21 0.00	172.19 14.00 -11.21	164.71 13.79 0.00	260.49 16.10 0.00	277.81 20.33 0.00	233.09 17.80 0.00	195.21 17.45 0.00	166.35 9.21 -74.57	160.17 8.71 -63.26	151.61 12.93 -15.49	156.73 14.30 -8.84	156.19 10.18 -47.59	155.19 13.84 -12.09	184.27 15.53 -29.96	197.31 18.01 -4.30	183.51 13.12 -49.11	161.75 8.50 -74.96	182.88 17.11 -4.44	167.33 10.75 -46.77	166.40 9.75 -48.49	170.42 13.29 0.00
HOLTSVILLE_IC_9 23698	143.17 4.96 -88.46	155.18 13.66 -3.59	168.07 13.84 0.00	169.57 12.21 0.00	172.19 14.00 -11.21	164.71 13.79 0.00	260.49 16.10 0.00	277.81 20.33 0.00	233.09 17.80 0.00	195.21 17.45 0.00	166.35 9.21 -74.57	160.17 8.71 -63.26	151.61 12.93 -15.49	156.73 14.30 -8.84	156.19 10.18 -47.59	155.19 13.84 -12.09	184.27 15.53 -29.96	197.31 18.01 -4.30	183.51 13.12 -49.11	161.75 8.50 -74.96	182.88 17.11 -4.44	167.33 10.75 -46.77	166.40 9.75 -48.49	170.42 13.29 0.00
HOMER_HL_115KV_TB2 355744	62.27 -2.73 -15.26	131.32 -6.60 0.00	147.44 -6.79 0.00	149.61 -7.75 0.00	139.12 -6.86 1.00	141.64 -7.69 1.59	230.38 -14.01 0.00	243.43 -14.05 0.00	204.26 -9.86 1.17	169.99 -7.76 0.00	90.65 -4.34 -12.41	95.08 -4.51 -11.40	120.08 -5.43 -2.31	130.48 -4.20 -1.09	103.29 -3.33 -8.20	125.77 -4.41 -0.91	133.12 -5.66 0.00	161.50 -8.57 4.93	122.14 -6.93 -7.79	86.93 -5.29 -13.92	151.48 -9.72 0.14	111.67 -6.58 -8.44	111.39 -5.56 -8.79	150.64 -6.48 0.00
HOWARD_WT_PWR 323690	61.93 -3.72 -15.91	127.80 -10.13 0.00	145.27 -8.96 0.00	145.58 -11.78 0.00	131.76 -11.29 3.93	138.28 -9.43 3.21	229.91 -14.48 0.00	242.44 -15.04 0.00	202.40 -9.79 3.11	170.09 -7.66 0.00	90.14 -4.90 -12.47	97.38 -3.95 -13.13	121.70 -4.07 -2.57	132.19 -2.60 -1.22	106.32 -1.23 -9.12	128.80 -1.49 -1.02	136.46 -2.32 0.00	160.04 -4.29 10.67	125.37 -3.31 -7.40	91.39 -2.41 -15.49	154.90 -5.40 1.03	115.19 -3.72 -9.10	113.92 -3.76 -9.52	152.78 -4.34 0.00

HQ_GEN_CEDARS 23644	48.54 -1.20 0.00	134.74 -3.18 0.00	151.67 -2.55 0.00	156.74 -0.62 0.00	145.47 -1.51 0.00	148.81 -2.11 0.00	242.72 -1.67 0.00	255.18 -2.30 0.00	212.29 -3.00 0.00	173.80 -3.96 0.00	79.86 -2.71 0.00	84.65 -3.54 0.00	118.09 -5.11 0.00	127.58 -6.00 0.00	93.85 -4.58 0.00	123.68 -5.59 0.00	133.16 -5.62 0.00	168.18 -6.83 0.00	116.52 -4.76 0.00	75.35 -2.95 0.00	155.43 -5.91 0.00	106.49 -3.33 0.00	104.72 -3.44 0.00	152.95 -4.17 0.00
HQ_GEN_CEDARS_PROXY 323590	48.54 -1.20 0.00	134.74 -3.18 0.00	151.68 -2.55 0.00	156.74 -0.62 0.00	145.48 -1.51 0.00	148.81 -2.11 0.00	242.72 -1.67 0.00	255.18 -2.30 0.00	212.29 -3.00 0.00	173.80 -3.96 0.00	79.85 -2.72 0.00	84.65 -3.54 0.00	118.08 -5.12 0.00	127.59 -5.99 0.00	93.85 -4.57 0.00	57.62 -5.58 66.07	66.38 -5.62 66.78	83.69 -6.83 84.48	47.71 -4.76 68.81	40.90 -2.94 34.45	72.79 -5.91 82.64	106.46 -3.35 0.00	104.72 -3.44 0.00	152.96 -4.17 0.00
HQ_GEN_IMPORT 323601	48.78 -0.97 0.00	135.44 -2.49 0.00	155.71 -2.92 -4.40	155.81 -2.18 -0.63	144.32 -2.66 0.00	145.84 -2.85 2.23	248.63 -2.66 -6.90	254.44 -3.04 0.00	211.94 -3.36 0.00	173.11 -3.72 0.93	80.61 -1.97 0.00	85.96 -2.24 0.00	120.05 -3.15 0.00	129.81 -3.78 0.00	95.51 -2.92 0.00	125.72 -3.55 0.00	102.87 -3.66 32.26	170.66 -4.35 0.00	118.25 -3.03 0.00	76.47 -1.83 0.00	157.59 -3.75 0.00	107.26 -2.56 0.00	105.67 -2.49 0.00	151.16 -3.41 2.55
HQ_GEN_WHEEL 23651	48.78 -0.97 0.00	135.44 -2.49 0.00	155.71 -2.92 -4.40	155.81 -2.18 -0.63	144.32 -2.66 0.00	145.84 -2.85 2.23	248.63 -2.66 -6.90	254.44 -3.04 0.00	211.94 -3.36 0.00	173.11 -3.72 0.93	80.61 -1.97 0.00	85.96 -2.24 0.00	120.05 -3.15 0.00	129.81 -3.78 0.00	95.51 -2.92 0.00	125.72 -3.55 0.00	102.87 -3.66 32.26	170.66 -4.35 0.00	118.25 -3.03 0.00	76.47 -1.83 0.00	157.59 -3.75 0.00	107.26 -2.56 0.00	105.67 -2.49 0.00	151.16 -3.41 2.55
HUDSON AVE_GT_3 23810	142.38 4.15 -88.48	148.75 10.83 0.00	166.11 11.88 0.00	169.04 11.68 0.00	170.01 11.81 -11.21	163.34 12.42 0.00	262.17 17.78 0.00	276.47 18.99 0.00	232.41 17.11 0.00	193.98 16.23 0.00	165.11 7.94 -74.60	158.56 8.47 -61.90	147.36 11.82 -12.33	152.31 12.88 -5.85	151.63 9.39 -43.81	146.59 12.43 -4.90	152.14 13.36 0.00	195.34 16.04 -4.30	181.63 11.22 -49.12	160.03 7.35 -74.38	181.27 15.49 -4.44	167.10 10.51 -46.78	166.96 10.30 -48.50	171.11 13.98 0.00
HUDSON AVE_GT_4 23540	142.38 4.15 -88.48	148.75 10.83 0.00	166.11 11.88 0.00	169.04 11.68 0.00	170.01 11.81 -11.21	163.34 12.42 0.00	262.17 17.78 0.00	276.47 18.99 0.00	232.41 17.11 0.00	193.98 16.23 0.00	165.11 7.94 -74.60	158.56 8.47 -61.90	147.36 11.82 -12.33	152.31 12.88 -5.85	151.63 9.39 -43.81	146.59 12.43 -4.90	152.14 13.36 0.00	195.34 16.04 -4.30	181.63 11.22 -49.12	160.03 7.35 -74.38	181.27 15.49 -4.44	167.10 10.51 -46.78	166.96 10.30 -48.50	171.11 13.98 0.00
HUDSON AVE_GT_5 23657	142.38 4.15 -88.48	148.75 10.83 0.00	166.11 11.88 0.00	169.04 11.68 0.00	170.01 11.81 -11.21	163.34 12.42 0.00	262.17 17.78 0.00	276.47 18.99 0.00	232.41 17.11 0.00	193.98 16.23 0.00	165.11 7.94 -74.60	158.56 8.47 -61.90	147.36 11.82 -12.33	152.31 12.88 -5.85	151.63 9.39 -43.81	146.59 12.43 -4.90	152.14 13.36 0.00	195.34 16.04 -4.30	181.63 11.22 -49.12	160.03 7.35 -74.38	181.27 15.49 -4.44	167.10 10.51 -46.78	166.96 10.30 -48.50	171.11 13.98 0.00
HUDSON_AVE_10 24168	142.20 3.97 -88.48	148.29 10.36 0.00	165.57 11.34 0.00	168.52 11.16 0.00	169.50 11.30 -11.21	162.82 11.91 0.00	261.32 16.92 0.00	275.51 18.03 0.00	231.62 16.33 0.00	193.32 15.56 0.00	164.82 7.65 -74.60	158.26 8.17 -61.90	146.96 11.42 -12.33	151.85 12.42 -5.85	151.30 9.07 -43.81	146.18 12.02 -4.90	151.73 12.94 0.00	194.78 15.48 -4.30	181.21 10.81 -49.12	159.81 7.14 -74.38	180.79 15.01 -4.44	166.81 10.21 -46.78	166.74 10.07 -48.50	170.71 13.59 0.00
HUDSON___115KV_TB 4 355613	157.79 3.26 -104.79	146.99 9.07 0.00	164.39 10.16 0.00	167.03 9.67 0.00	170.02 9.65 -13.38	160.90 9.99 0.00	259.45 15.05 0.00	273.67 16.19 0.00	228.78 13.48 0.00	189.14 11.39 0.00	176.51 4.91 -89.02	167.24 5.18 -73.87	144.99 7.07 -14.72	148.17 7.61 -6.98	156.35 5.64 -52.29	142.88 7.77 -5.84	147.55 8.77 0.00	191.34 11.20 -5.14	187.65 7.64 -58.73	172.00 4.76 -88.93	176.54 9.89 -5.31	172.30 6.57 -55.92	172.49 6.35 -57.98	166.45 9.33 0.00
HUNTER MOUNT___DRP 323613	155.62 3.58 -102.30	148.01 10.08 0.00	165.57 11.34 0.00	168.20 10.84 0.00	170.79 10.74 -13.07	162.08 11.17 0.00	261.62 17.23 0.00	276.07 18.58 0.00	230.70 15.41 0.00	190.49 12.73 0.00	174.86 5.35 -86.93	165.96 5.64 -72.13	145.29 7.72 -14.37	148.77 8.37 -6.82	155.73 6.25 -51.06	143.67 8.69 -5.70	148.58 9.80 0.00	192.60 12.58 -5.02	187.13 8.51 -57.34	170.34 5.22 -86.82	177.53 11.01 -5.19	171.58 7.17 -54.60	171.72 6.96 -56.60	167.53 10.40 0.00
HUNTINGTON_RES_REC 323705	142.78 4.57 -88.46	154.08 12.56 -3.59	166.79 12.56 0.00	168.18 10.82 0.00	170.85 12.66 -11.21	163.39 12.47 0.00	260.07 15.68 0.00	276.60 19.11 0.00	232.05 16.76 0.00	193.90 16.15 0.00	165.66 8.51 -74.57	159.70 8.25 -63.26	151.13 12.45 -15.49	156.24 13.81 -8.85	155.78 9.76 -47.59	154.41 13.05 -12.09	183.08 14.34 -29.96	196.20 16.90 -4.30	182.64 12.26 -49.11	161.23 7.97 -74.96	181.77 15.99 -4.44	166.66 10.08 -46.77	165.88 9.23 -48.49	169.77 12.65 0.00
HUNTLEY___63 23557	58.47 -4.07 -12.80	126.83 -11.09 0.00	142.03 -12.19 0.00	144.71 -12.65 0.00	134.39 -12.16 0.44	137.17 -12.63 1.12	222.85 -21.54 0.00	232.07 -25.41 0.00	193.51 -20.85 0.92	161.13 -16.62 0.00	84.35 -8.72 -10.50	89.18 -8.58 -9.57	113.52 -11.59 -1.91	123.82 -10.67 -0.91	97.94 -7.27 -6.79	120.20 -9.83 -0.76	127.12 -11.65 0.00	156.41 -15.26 3.33	116.68 -11.24 -6.64	81.96 -7.89 -11.54	145.22 -16.13 -0.02	105.75 -11.10 -7.03	105.20 -10.28 -7.33	144.79 -12.33 0.00
HUNTLEY___64 23558	58.47 -4.07 -12.80	126.83 -11.09 0.00	142.03 -12.19 0.00	144.71 -12.65 0.00	134.39 -12.16 0.44	137.17 -12.63 1.12	222.85 -21.54 0.00	232.07 -25.41 0.00	193.51 -20.85 0.92	161.13 -16.62 0.00	84.35 -8.72 -10.50	89.18 -8.58 -9.57	113.52 -11.59 -1.91	123.82 -10.67 -0.91	97.94 -7.27 -6.79	120.20 -9.83 -0.76	127.12 -11.65 0.00	156.41 -15.26 3.33	116.68 -11.24 -6.64	81.96 -7.89 -11.54	145.22 -16.13 -0.02	105.75 -11.10 -7.03	105.20 -10.28 -7.33	144.79 -12.33 0.00
HUNTLEY___65 23559	58.47 -4.07 -12.80	126.83 -11.09 0.00	142.03 -12.19 0.00	144.71 -12.65 0.00	134.39 -12.16 0.44	137.17 -12.63 1.12	222.85 -21.54 0.00	232.07 -25.41 0.00	193.51 -20.85 0.92	161.13 -16.62 0.00	84.35 -8.72 -10.50	89.18 -8.58 -9.57	113.52 -11.59 -1.91	123.82 -10.67 -0.91	97.94 -7.27 -6.79	120.20 -9.83 -0.76	127.12 -11.65 0.00	156.41 -15.26 3.33	116.68 -11.24 -6.64	81.96 -7.89 -11.54	145.22 -16.13 -0.02	105.75 -11.10 -7.03	105.20 -10.28 -7.33	144.79 -12.33 0.00
HUNTLEY___66 23560	58.47 -4.07 -12.80	126.83 -11.09 0.00	142.03 -12.19 0.00	144.71 -12.65 0.00	134.39 -12.16 0.44	137.17 -12.63 1.12	222.85 -21.54 0.00	232.07 -25.41 0.00	193.51 -20.85 0.92	161.13 -16.62 0.00	84.35 -8.72 -10.50	89.18 -8.58 -9.57	113.52 -11.59 -1.91	123.82 -10.67 -0.91	97.94 -7.27 -6.79	120.20 -9.83 -0.76	127.12 -11.65 0.00	156.41 -15.26 3.33	116.68 -11.24 -6.64	81.96 -7.89 -11.54	145.22 -16.13 -0.02	105.75 -11.10 -7.03	105.20 -10.28 -7.33	144.79 -12.33 0.00

HUNTLEY___67 23561	58.67 -4.10 -13.02	126.82 -11.10 0.00	142.14 -12.08 0.00	144.82 -12.54 0.00	134.47 -12.03 0.49	137.14 -12.62 1.16	223.15 -21.24 0.00	232.49 -24.99 0.00	193.79 -20.52 0.98	161.46 -16.30 0.00	84.74 -8.50 -10.67	89.56 -8.38 -9.76	113.84 -11.31 -1.95	124.08 -10.43 -0.93	98.29 -7.06 -6.93	120.40 -9.65 -0.77	127.35 -11.43 0.00	156.37 -15.12 3.52	116.91 -11.12 -6.75	82.30 -7.76 -11.77	145.34 -15.99 0.01	106.12 -10.86 -7.16	105.58 -10.04 -7.46	144.89 -12.23 0.00
HUNTLEY___68 23562	58.67 -4.10 -13.02	126.82 -11.10 0.00	142.14 -12.08 0.00	144.82 -12.54 0.00	134.47 -12.03 0.49	137.14 -12.62 1.16	223.15 -21.24 0.00	232.49 -24.99 0.00	193.79 -20.52 0.98	161.46 -16.30 0.00	84.74 -8.50 -10.67	89.56 -8.38 -9.76	113.84 -11.31 -1.95	124.08 -10.43 -0.93	98.29 -7.06 -6.93	120.40 -9.65 -0.77	127.35 -11.43 0.00	156.37 -15.12 3.52	116.91 -11.12 -6.75	82.30 -7.76 -11.77	145.34 -15.99 0.01	106.12 -10.86 -7.16	105.58 -10.04 -7.46	144.89 -12.23 0.00
HYLAND___LFGE 323620	63.59 0.05 -13.79	138.14 0.22 0.00	155.15 0.92 0.00	157.48 0.12 0.00	145.49 0.00 1.49	145.86 -3.31 1.75	226.77 -17.62 0.00	241.37 -16.11 0.00	201.17 -12.52 1.60	166.72 -11.03 0.00	88.69 -5.03 -11.15	93.72 -5.18 -10.70	118.80 -6.52 -2.12	129.40 -5.18 -1.01	103.59 -2.37 -7.53	126.29 -3.82 -0.84	134.51 -4.26 0.00	164.01 -5.41 5.58	124.53 -3.65 -6.91	88.92 -2.18 -12.80	158.75 -2.29 0.30	115.63 -1.88 -7.69	114.40 -1.79 -8.03	154.56 -2.56 0.00
INDECK___CORINTH 23802	165.09 4.30 -111.04	149.69 11.77 0.00	167.37 13.14 0.00	169.98 12.62 0.00	173.74 12.58 -14.18	164.49 13.57 0.00	265.39 21.00 0.00	279.53 22.05 0.00	234.81 19.52 0.00	192.76 15.01 0.00	183.50 6.58 -94.35	173.12 6.65 -78.29	148.28 9.49 -15.59	151.80 10.83 -7.39	161.71 7.91 -55.37	146.17 10.71 -6.19	151.23 12.45 0.00	196.79 16.34 -5.45	194.85 11.30 -62.27	179.58 7.00 -94.28	180.96 13.99 -5.63	178.70 9.60 -59.29	179.09 9.46 -61.46	170.96 13.84 0.00
INDECK___ILION 23567	51.14 1.39 0.00	141.72 3.80 0.00	158.59 4.36 0.00	161.32 3.95 0.00	151.15 4.16 0.00	155.36 4.44 0.00	250.34 5.94 0.00	264.34 6.86 0.00	220.95 5.66 0.00	182.13 4.38 0.00	84.65 2.08 0.00	90.52 2.33 0.00	126.23 3.03 0.00	137.28 3.70 0.00	101.33 2.90 0.00	132.98 3.71 0.00	143.04 4.26 0.00	180.70 5.70 0.00	125.33 4.05 0.00	80.82 2.52 0.00	166.51 5.17 0.00	113.45 3.63 0.00	111.58 3.42 0.00	161.81 4.68 0.00
INDECK___OLEAN 23982	62.28 -2.72 -15.26	131.34 -6.59 0.00	147.44 -6.79 0.00	149.58 -7.78 0.00	139.08 -6.90 1.00	141.64 -7.69 1.59	230.28 -14.11 0.00	243.35 -14.13 0.00	204.23 -9.89 1.17	169.92 -7.84 0.00	90.69 -4.29 -12.41	95.08 -4.51 -11.40	120.08 -5.43 -2.31	130.51 -4.17 -1.09	103.28 -3.34 -8.20	122.39 -4.50 2.38	129.50 -5.64 3.64	153.16 -8.51 13.33	119.41 -6.99 -5.12	86.47 -5.30 -13.46	150.90 -9.76 0.67	111.75 -6.50 -8.44	111.43 -5.52 -8.79	150.59 -6.53 0.00
INDECK___OSWEGO 23783	54.73 -1.74 -6.72	132.94 -4.98 0.00	148.72 -5.51 0.00	151.48 -5.88 0.00	142.51 -5.33 -0.86	145.56 -5.35 0.00	235.58 -8.82 0.00	248.56 -8.92 0.00	208.03 -7.26 0.00	171.92 -5.83 0.00	85.49 -2.81 -5.73	89.97 -2.97 -4.75	119.92 -4.22 -0.95	129.63 -4.40 -0.45	98.67 -3.12 -3.36	125.58 -4.07 -0.38	134.49 -4.29 0.00	169.89 -5.44 -0.33	121.30 -3.75 -3.78	81.45 -2.57 -5.72	156.31 -5.36 -0.34	109.75 -3.66 -3.59	108.20 -3.69 -3.73	151.74 -5.38 0.00
INDECK___YERKES 23781	58.47 -4.08 -12.80	126.78 -11.14 0.00	141.94 -12.28 0.00	144.61 -12.75 0.00	134.32 -12.23 0.44	137.03 -12.77 1.12	222.63 -21.76 0.00	231.82 -25.66 0.00	193.33 -21.03 0.92	160.95 -16.81 0.00	84.35 -8.73 -10.50	89.12 -8.64 -9.57	113.42 -11.69 -1.91	123.70 -10.79 -0.91	97.93 -7.28 -6.79	117.94 -9.96 1.37	124.73 -11.70 2.35	150.93 -15.32 8.75	114.82 -11.38 -4.92	81.63 -7.91 -11.25	144.77 -16.25 0.33	105.70 -11.14 -7.03	105.20 -10.29 -7.33	144.64 -12.48 0.00
INDIAN POINT_GT_1 24139	140.47 3.50 -87.22	147.10 9.17 0.00	164.31 10.08 0.00	167.03 9.67 0.00	168.10 10.01 -11.10	161.41 10.50 0.00	259.20 14.80 0.00	273.43 15.95 0.00	229.49 14.20 0.00	191.07 13.31 0.00	163.14 6.74 -73.83	156.58 7.12 -61.26	145.32 9.91 -12.21	150.15 10.77 -5.79	149.69 7.90 -43.37	144.46 10.35 -4.85	149.98 11.20 0.00	192.91 13.66 -4.25	179.53 9.63 -48.62	158.20 6.28 -73.61	178.77 13.04 -4.40	164.93 8.81 -46.30	164.78 8.61 -48.01	168.82 11.69 0.00
INDIAN POINT_GT_2 23659	140.47 3.50 -87.22	147.10 9.17 0.00	164.31 10.08 0.00	167.03 9.67 0.00	168.10 10.01 -11.10	161.41 10.50 0.00	259.20 14.80 0.00	273.43 15.95 0.00	229.49 14.20 0.00	191.07 13.31 0.00	163.14 6.74 -73.83	156.58 7.12 -61.26	145.32 9.91 -12.21	150.15 10.77 -5.79	149.69 7.90 -43.37	144.46 10.35 -4.85	149.98 11.20 0.00	192.91 13.66 -4.25	179.53 9.63 -48.62	158.20 6.28 -73.61	178.77 13.04 -4.40	164.93 8.81 -46.30	164.78 8.61 -48.01	168.82 11.69 0.00
INDIAN POINT_GT_3 24019	140.47 3.50 -87.22	147.10 9.17 0.00	164.31 10.08 0.00	167.03 9.67 0.00	168.10 10.01 -11.10	161.41 10.50 0.00	259.20 14.80 0.00	273.43 15.95 0.00	229.49 14.20 0.00	191.07 13.31 0.00	163.14 6.74 -73.83	156.58 7.12 -61.26	145.32 9.91 -12.21	150.15 10.77 -5.79	149.69 7.90 -43.37	144.46 10.35 -4.85	149.98 11.20 0.00	192.91 13.66 -4.25	179.53 9.63 -48.62	158.20 6.28 -73.61	178.77 13.04 -4.40	164.93 8.81 -46.30	164.78 8.61 -48.01	168.82 11.69 0.00
INDIAN POINT___2 23530	138.11 3.36 -85.01	146.79 8.87 0.00	163.98 9.75 0.00	166.70 9.33 0.00	167.65 9.72 -10.95	161.12 10.20 0.00	258.72 14.33 0.00	272.89 15.41 0.00	229.04 13.75 0.00	190.68 12.93 0.00	161.95 6.54 -72.84	155.58 6.95 -60.44	144.90 9.66 -12.04	149.78 10.49 -5.71	148.90 7.70 -42.78	144.12 10.07 -4.78	149.71 10.93 0.00	192.49 13.29 -4.20	178.63 9.39 -47.96	157.02 6.10 -72.62	178.36 12.69 -4.34	164.11 8.62 -45.68	163.90 8.38 -47.36	168.51 11.39 0.00
INDIAN POINT___3 23531	141.93 3.50 -88.68	146.87 8.95 0.00	164.06 9.83 0.00	166.74 9.37 0.00	167.90 9.81 -11.10	161.23 10.31 0.00	258.93 14.54 0.00	272.99 15.51 0.00	229.15 13.86 0.00	190.80 13.05 0.00	163.04 6.59 -73.88	156.48 6.98 -61.31	145.12 9.70 -12.21	149.94 10.56 -5.79	149.56 7.75 -43.39	144.23 10.11 -4.85	149.74 10.96 0.00	192.65 13.39 -4.26	179.36 9.44 -48.65	158.11 6.14 -73.66	178.50 12.77 -4.40	164.79 8.63 -46.33	164.61 8.42 -48.04	168.60 11.47 0.00
INGHAM_C_115KV_TB7 356103	52.22 2.47 0.00	144.63 6.71 0.00	161.96 7.73 0.00	164.42 7.06 0.00	154.39 7.41 0.00	158.91 7.99 0.00	254.89 10.49 0.00	269.87 12.38 0.00	225.11 9.81 0.00	184.78 7.02 0.00	85.79 3.21 0.00	91.86 3.67 0.00	127.87 4.67 0.00	139.52 5.93 0.00	103.19 4.76 0.00	135.36 6.09 0.00	146.05 7.27 0.00	185.07 10.07 0.00	128.47 7.19 0.00	82.83 4.54 0.00	170.61 9.28 0.00	116.32 6.50 0.00	114.29 6.13 0.00	165.50 8.38 0.00
IP CORINTH___1 23988	165.09 4.30 -111.04	149.69 11.77 0.00	167.38 13.15 0.00	169.98 12.62 0.00	173.74 12.58 -14.18	164.49 13.58 0.00	265.39 21.00 0.00	279.53 22.05 0.00	234.81 19.51 0.00	192.76 15.01 0.00	183.50 6.58 -94.35	173.12 6.65 -78.29	148.28 9.49 -15.59	151.81 10.83 -7.39	161.71 7.91 -55.37	146.17 10.71 -6.19	151.23 12.45 0.00	196.80 16.35 -5.45	194.85 11.30 -62.27	179.58 7.00 -94.28	180.98 14.01 -5.63	178.69 9.58 -59.29	179.08 9.45 -61.46	170.97 13.84 0.00

IP___TICONDEROGA 23804	167.95 7.30 -110.90	157.71 19.78 0.00	175.93 21.70 0.00	177.69 20.33 0.00	181.78 20.63 -14.16	173.74 22.83 0.00	280.00 35.61 0.00	294.22 36.74 0.00	247.68 32.38 0.00	202.13 24.38 0.00	186.99 10.25 -94.17	176.42 10.08 -78.14	152.04 13.29 -15.55	156.61 15.65 -7.37	164.70 11.01 -55.26	151.48 16.03 -6.18	157.29 18.51 0.00	205.55 25.11 -5.44	200.95 17.52 -62.16	183.19 10.78 -94.11	187.81 20.85 -5.62	183.51 14.51 -59.18	184.36 14.84 -61.35	179.60 22.47 0.00
ISLIP_RES_REC 323679	143.39 5.19 -88.46	155.80 14.29 -3.59	168.78 14.56 0.00	170.34 12.98 0.00	172.94 14.74 -11.21	165.48 14.56 0.00	262.04 17.65 0.00	279.55 22.06 0.00	234.29 19.00 0.00	196.25 18.50 0.00	166.81 9.66 -74.57	160.71 9.19 -63.33	152.36 13.57 -15.58	157.47 14.99 -8.90	156.75 10.69 -47.64	156.03 14.57 -12.20	185.15 16.34 -30.03	198.39 19.09 -4.30	184.24 13.85 -49.11	162.22 8.96 -74.96	183.80 18.02 -4.44	167.91 11.32 -46.77	166.94 10.30 -48.49	171.16 14.03 0.00
JAMAICA__27_KV_LOAD 355505	142.53 4.31 -88.48	149.16 11.23 0.00	166.50 12.27 0.00	169.47 12.10 0.00	170.35 12.15 -11.21	163.72 12.80 0.00	262.79 18.40 0.00	277.02 19.54 0.00	232.98 17.69 0.00	194.34 16.58 0.00	165.42 8.25 -74.60	158.85 8.75 -61.90	147.79 12.25 -12.33	152.79 13.36 -5.85	151.98 9.75 -43.81	147.11 12.94 -4.90	152.81 14.03 0.00	196.03 16.73 -4.30	182.08 11.68 -49.12	160.52 7.84 -74.38	182.11 16.33 -4.44	167.75 11.15 -46.78	167.87 11.21 -48.50	172.22 15.10 0.00
JANIS___SOLAR 323808	77.72 2.11 -25.87	143.55 5.63 0.00	160.66 6.44 0.00	163.79 6.43 0.00	162.24 6.15 -9.10	160.35 6.33 -3.11	255.67 11.28 0.00	271.67 14.19 0.00	230.97 12.98 -2.70	187.58 9.82 0.00	109.54 3.86 -23.11	108.54 3.63 -16.72	132.26 5.73 -3.33	142.79 7.63 -1.58	116.18 5.93 -11.82	138.79 7.62 -1.91	149.20 9.77 -0.64	201.42 12.56 -13.86	146.33 8.57 -16.48	103.87 5.39 -20.17	175.48 10.96 -3.19	130.38 7.30 -13.26	128.28 6.46 -13.66	166.02 8.90 0.00
JARVIS____ 23743	50.29 0.55 0.00	139.42 1.50 0.00	155.91 1.68 0.00	158.84 1.47 0.00	148.60 1.62 0.00	152.55 1.64 0.00	246.34 1.95 0.00	259.65 2.16 0.00	217.28 1.99 0.00	179.62 1.87 0.00	83.57 1.00 0.00	89.28 1.09 0.00	124.70 1.49 0.00	135.27 1.69 0.00	99.70 1.28 0.00	130.92 1.65 0.00	140.44 1.66 0.00	177.06 2.06 0.00	122.72 1.44 0.00	79.16 0.86 0.00	163.12 1.78 0.00	111.05 1.23 0.00	109.46 1.30 0.00	158.94 1.81 0.00
JENNISON___1 23625	82.91 2.26 -30.91	144.00 6.07 0.00	161.26 7.03 0.00	164.39 7.03 0.00	157.76 5.60 -5.17	156.84 5.27 -0.65	253.80 9.41 0.00	272.07 14.59 0.00	229.74 13.89 -0.56	188.89 11.14 0.00	114.06 4.91 -26.57	114.51 4.78 -21.54	135.12 7.63 -4.29	144.51 8.89 -2.04	120.85 7.18 -15.24	140.66 9.69 -1.70	149.88 11.10 0.00	192.52 13.67 -3.85	148.15 9.18 -17.68	110.08 5.88 -25.90	175.65 12.36 -1.94	134.68 8.44 -16.42	132.85 7.69 -17.00	167.57 10.44 0.00
JENNISON___2 23626	82.91 2.26 -30.91	144.00 6.07 0.00	161.26 7.03 0.00	164.39 7.03 0.00	157.76 5.60 -5.17	156.84 5.27 -0.65	253.80 9.41 0.00	272.07 14.59 0.00	229.74 13.89 -0.56	188.89 11.14 0.00	114.06 4.91 -26.57	114.51 4.78 -21.54	135.12 7.63 -4.29	144.51 8.89 -2.04	120.85 7.18 -15.24	140.66 9.69 -1.70	149.88 11.10 0.00	192.52 13.67 -3.85	148.15 9.18 -17.68	110.08 5.88 -25.90	175.65 12.36 -1.94	134.68 8.44 -16.42	132.85 7.69 -17.00	167.57 10.44 0.00
JERICHO_RISE_WT_PWR 323719	49.40 -0.34 0.00	137.16 -0.76 0.00	153.62 -0.60 0.00	157.44 0.07 0.00	146.40 -0.58 0.00	149.79 -1.13 0.00	243.79 -0.60 0.00	255.91 -1.57 0.00	213.51 -1.78 0.00	175.04 -2.71 0.00	80.86 -1.71 0.00	86.02 -2.17 0.00	119.71 -3.49 0.00	129.20 -4.39 0.00	95.06 -3.37 0.00	125.78 -3.49 0.00	135.80 -2.98 0.00	171.72 -3.28 0.00	119.08 -2.20 0.00	76.76 -1.54 0.00	157.86 -3.47 0.00	107.52 -2.29 0.00	106.18 -1.99 0.00	155.04 -2.09 0.00
KATONAH___115KV_46KV_TB4 355592	143.36 4.20 -89.42	148.96 11.03 0.00	166.36 12.14 0.00	169.06 11.69 0.00	170.27 11.94 -11.35	163.48 12.56 0.00	262.48 18.09 0.00	276.98 19.50 0.00	232.54 17.24 0.00	193.52 15.77 0.00	165.86 7.75 -75.54	159.10 8.23 -62.68	147.11 11.42 -12.49	151.93 12.42 -5.92	151.85 9.06 -44.37	146.13 11.90 -4.96	151.66 12.88 0.00	195.24 15.89 -4.35	182.20 11.18 -49.74	160.84 7.23 -75.31	180.84 15.00 -4.50	167.26 10.08 -47.37	167.10 9.82 -49.11	170.55 13.42 0.00
KCE_NY_1 323755	164.24 3.78 -110.72	148.20 10.27 0.00	165.66 11.44 0.00	168.32 10.96 0.00	171.94 10.82 -14.14	162.47 11.56 0.00	261.73 17.33 0.00	275.74 18.26 0.00	231.26 15.96 0.00	190.51 12.75 0.00	182.42 5.81 -94.04	172.20 5.98 -78.03	147.08 8.33 -15.55	150.32 9.36 -7.37	160.61 6.95 -55.23	144.97 9.53 -6.17	149.40 10.62 0.00	194.38 13.95 -5.43	192.91 9.57 -62.07	178.25 5.97 -93.98	179.11 12.16 -5.61	177.21 8.30 -59.10	177.57 8.14 -61.26	168.91 11.79 0.00
KCE_NY_6_ESR 323823	59.76 -3.55 -13.57	128.34 -9.58 0.00	143.86 -10.37 0.00	146.48 -10.89 0.00	136.03 -10.37 0.59	138.92 -10.74 1.25	226.51 -17.89 0.00	236.67 -20.81 0.00	197.46 -16.79 1.04	164.52 -13.23 0.00	86.64 -7.03 -11.10	91.49 -6.88 -10.17	115.99 -9.24 -2.04	126.37 -8.18 -0.96	100.17 -5.49 -7.23	120.13 -7.61 1.53	127.10 -9.10 2.58	153.08 -12.17 9.75	117.14 -9.25 -5.12	83.65 -6.60 -11.95	147.49 -13.44 0.41	108.29 -8.99 -7.47	107.68 -8.26 -7.78	147.10 -10.02 0.00
KEDC_PORT_JEFF_GT2 24210	143.04 4.84 -88.46	154.99 13.48 -3.59	167.84 13.61 0.00	169.31 11.95 0.00	171.91 13.72 -11.21	164.46 13.54 0.00	260.48 16.09 0.00	277.75 20.27 0.00	232.96 17.67 0.00	194.95 17.20 0.00	166.22 9.07 -74.57	160.02 8.60 -63.22	151.41 12.77 -15.43	156.56 14.16 -8.82	156.06 10.07 -47.56	154.98 13.67 -12.03	184.02 15.32 -29.92	197.08 17.78 -4.30	183.34 12.96 -49.11	161.64 8.38 -74.96	182.64 16.86 -4.44	167.19 10.60 -46.77	166.26 9.61 -48.49	170.23 13.11 0.00
KEDC_PORT_JEFF_GT3 24211	143.04 4.84 -88.46	154.99 13.48 -3.59	167.84 13.61 0.00	169.31 11.95 0.00	171.91 13.72 -11.21	164.46 13.54 0.00	260.48 16.09 0.00	277.75 20.27 0.00	232.96 17.67 0.00	194.95 17.20 0.00	166.22 9.07 -74.57	160.02 8.60 -63.22	151.41 12.77 -15.43	156.56 14.16 -8.82	156.06 10.07 -47.56	154.98 13.67 -12.03	184.02 15.32 -29.92	197.08 17.78 -4.30	183.34 12.96 -49.11	161.64 8.38 -74.96	182.64 16.86 -4.44	167.19 10.60 -46.77	166.26 9.61 -48.49	170.23 13.11 0.00
KEDC_GLWD_GT4 24219	142.88 4.68 -88.46	154.12 12.61 -3.59	167.41 13.18 0.00	169.43 12.07 0.00	171.28 13.09 -11.21	164.31 13.40 0.00	263.07 18.68 0.00	278.59 21.11 0.00	233.72 18.43 0.00	194.77 17.01 0.00	166.07 8.92 -74.57	164.81 9.11 -67.50	157.96 13.18 -21.58	159.94 14.46 -11.89	159.48 10.41 -50.65	161.90 13.89 -18.74	187.78 14.96 -34.03	196.21 16.91 -4.30	182.50 12.11 -49.11	161.58 8.32 -74.96	182.76 16.98 -4.44	167.65 11.06 -46.77	166.97 10.32 -48.49	171.15 14.03 0.00
KEDC_GLWD_GT5 24220	142.88 4.68 -88.46	154.12 12.61 -3.59	167.41 13.18 0.00	169.43 12.07 0.00	171.28 13.09 -11.21	164.31 13.40 0.00	263.07 18.68 0.00	278.59 21.11 0.00	233.72 18.43 0.00	194.77 17.01 0.00	166.07 8.92 -74.57	164.81 9.11 -67.50	157.96 13.18 -21.58	159.94 14.46 -11.89	159.48 10.41 -50.65	161.90 13.89 -18.74	187.78 14.96 -34.03	196.21 16.91 -4.30	182.50 12.11 -49.11	161.58 8.32 -74.96	182.76 16.98 -4.44	167.65 11.06 -46.77	166.97 10.32 -48.49	171.15 14.03 0.00

KENSICO____ 23655	141.84 3.75 -88.35	147.73 9.81 0.00	164.97 10.75 0.00	167.66 10.29 0.00	168.78 10.61 -11.19	162.04 11.13 0.00	260.15 15.76 0.00	274.46 16.98 0.00	230.38 15.09 0.00	191.92 14.17 0.00	164.11 7.10 -74.44	157.50 7.54 -61.77	146.01 10.50 -12.31	150.85 11.43 -5.84	150.50 8.36 -43.72	145.15 10.99 -4.88	150.66 11.88 0.00	193.74 14.45 -4.29	180.46 10.16 -49.02	159.13 6.61 -74.22	179.52 13.75 -4.43	165.78 9.28 -46.68	165.62 9.06 -48.40	169.48 12.36 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	137.78 4.14 -83.90	149.08 11.16 0.00	166.60 12.37 0.00	169.32 11.96 0.00	169.77 12.03 -10.75	163.60 12.69 0.00	263.53 19.14 0.00	278.18 20.70 0.00	233.58 18.28 0.00	193.88 16.12 0.00	161.96 7.84 -71.54	155.81 8.26 -59.37	146.26 11.22 -11.83	151.28 12.09 -5.61	149.43 8.98 -42.02	145.82 11.86 -4.70	151.85 13.07 0.00	195.56 16.43 -4.12	180.06 11.64 -47.13	157.19 7.52 -71.37	181.12 15.52 -4.26	165.18 10.48 -44.89	164.88 10.18 -46.53	171.16 14.03 0.00
KIAC_JFK_GT1 23816	142.17 3.94 -88.48	148.19 10.27 0.00	165.42 11.19 0.00	168.31 10.95 0.00	169.26 11.06 -11.21	162.62 11.71 0.00	260.78 16.39 0.00	274.09 16.61 0.00	230.58 15.29 0.00	192.38 14.63 0.00	164.50 7.33 -74.60	157.88 7.79 -61.90	146.50 10.97 -12.33	151.41 11.98 -5.85	150.94 8.71 -43.81	145.75 11.59 -4.90	151.31 12.53 0.00	194.12 14.82 -4.30	180.72 10.32 -49.12	159.62 6.95 -74.38	180.35 14.56 -4.44	166.69 10.09 -46.78	166.82 10.15 -48.50	170.70 13.57 0.00
KIAC_JFK_GT2 23817	142.17 3.94 -88.48	148.19 10.27 0.00	165.42 11.19 0.00	168.31 10.95 0.00	169.26 11.06 -11.21	162.62 11.71 0.00	260.78 16.39 0.00	274.09 16.61 0.00	230.58 15.29 0.00	192.38 14.63 0.00	164.50 7.33 -74.60	157.88 7.79 -61.90	146.50 10.97 -12.33	151.41 11.98 -5.85	150.94 8.71 -43.81	145.75 11.59 -4.90	151.31 12.53 0.00	194.12 14.82 -4.30	180.72 10.32 -49.12	159.62 6.95 -74.38	180.35 14.56 -4.44	166.69 10.09 -46.78	166.82 10.15 -48.50	170.70 13.57 0.00
KIAC_JFK____ 323774	142.17 3.94 -88.48	148.19 10.27 0.00	165.42 11.19 0.00	168.30 10.93 0.00	169.26 11.06 -11.21	162.64 11.72 0.00	260.78 16.39 0.00	274.10 16.61 0.00	230.58 15.29 0.00	192.38 14.63 0.00	164.49 7.32 -74.60	157.88 7.79 -61.90	146.52 10.99 -12.33	151.41 11.98 -5.85	150.95 8.71 -43.81	145.75 11.59 -4.90	151.29 12.52 0.00	194.12 14.82 -4.30	180.72 10.33 -49.12	159.63 6.96 -74.38	180.34 14.56 -4.44	166.71 10.11 -46.78	166.80 10.14 -48.50	170.70 13.57 0.00
KINTIGH____ 23543	57.43 -3.67 -11.36	127.90 -10.02 0.00	143.25 -10.97 0.00	145.98 -11.38 0.00	135.97 -10.84 0.17	138.54 -11.50 0.87	224.68 -19.71 0.00	234.46 -23.02 0.00	195.54 -19.00 0.75	162.59 -15.17 0.00	84.26 -7.67 -9.35	89.05 -7.59 -8.44	114.68 -10.20 -1.69	124.91 -9.47 -0.80	98.08 -6.33 -5.99	121.09 -8.85 -0.67	128.20 -10.58 0.00	158.45 -13.98 2.58	117.16 -10.07 -5.95	81.49 -6.98 -10.17	146.96 -14.45 -0.07	106.38 -9.65 -6.22	105.66 -8.98 -6.48	145.92 -11.20 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	50.78 1.03 0.00	140.77 2.85 0.00	157.61 3.39 0.00	161.14 3.77 0.00	150.12 3.14 0.00	153.27 2.35 0.00	248.37 3.98 0.00	261.16 3.67 0.00	218.12 2.83 0.00	178.57 0.82 0.00	82.29 -0.28 0.00	87.38 -0.82 0.00	121.57 -1.64 0.00	131.20 -2.38 0.00	96.76 -1.66 0.00	128.17 -1.10 0.00	138.73 -0.05 0.00	175.72 0.72 0.00	121.91 0.63 0.00	78.49 0.20 0.00	161.03 -0.31 0.00	109.66 -0.16 0.00	108.41 0.25 0.00	158.86 1.74 0.00
LACHUTE__HYDRO 323717	167.95 7.30 -110.90	157.70 19.78 0.00	175.93 21.70 0.00	177.67 20.31 0.00	181.78 20.63 -14.16	173.74 22.83 0.00	280.00 35.61 0.00	294.22 36.74 0.00	247.68 32.38 0.00	202.13 24.38 0.00	186.99 10.25 -94.17	176.42 10.08 -78.14	152.04 13.28 -15.55	156.60 15.64 -7.37	164.70 11.01 -55.26	151.48 16.03 -6.18	157.29 18.51 0.00	205.56 25.13 -5.44	200.94 17.50 -62.16	183.19 10.78 -94.11	187.81 20.85 -5.62	183.52 14.53 -59.18	184.37 14.86 -61.35	179.59 22.47 0.00
LAWRNCV_115KV_TB1 80681	48.75 -1.00 0.00	135.21 -2.72 0.00	152.10 -2.13 0.00	157.03 -0.33 0.00	145.32 -1.66 0.00	148.19 -2.72 0.00	240.67 -3.72 0.00	253.18 -4.30 0.00	210.64 -4.65 0.00	172.03 -5.72 0.00	79.24 -3.34 0.00	84.15 -4.04 0.00	117.22 -5.98 0.00	126.58 -7.00 0.00	93.21 -5.22 0.00	122.98 -6.28 0.00	132.58 -6.20 0.00	167.15 -7.85 0.00	115.80 -5.48 0.00	74.93 -3.37 0.00	154.97 -6.37 0.00	106.45 -3.37 0.00	105.15 -3.01 0.00	153.89 -3.23 0.00
LEDERLE____ 23769	135.73 3.37 -82.61	146.90 8.98 0.00	164.12 9.89 0.00	166.86 9.51 0.00	167.78 10.00 -10.80	161.49 10.57 0.00	259.46 15.06 0.00	273.75 16.27 0.00	229.72 14.43 0.00	191.21 13.46 0.00	161.21 6.82 -71.82	155.00 7.22 -59.59	145.04 9.97 -11.87	150.07 10.86 -5.63	148.59 7.98 -42.18	144.39 10.40 -4.71	150.10 11.32 0.00	193.00 13.86 -4.14	178.37 9.80 -47.29	156.28 6.38 -71.61	178.84 13.22 -4.28	163.80 8.94 -45.04	163.55 8.69 -46.69	168.91 11.79 0.00
LIGHTRSE_115KV_TB6 355974	55.61 -0.32 -6.18	136.82 -1.10 0.00	153.06 -1.16 0.00	155.84 -1.52 0.00	146.48 -1.30 -0.79	149.84 -1.07 0.00	243.26 -1.13 0.00	257.06 -0.42 0.00	215.10 -0.20 0.00	177.37 -0.38 0.00	87.35 -0.49 -5.27	91.91 -0.65 -4.37	122.76 -1.31 -0.87	132.66 -1.34 -0.41	100.71 -0.80 -3.09	128.93 -0.68 -0.35	138.62 -0.16 0.00	175.35 0.04 -0.30	124.69 -0.06 -3.47	83.14 -0.42 -5.26	160.85 -0.80 -0.31	112.68 -0.44 -3.31	110.98 -0.61 -3.43	156.32 -0.81 0.00
LINDEN COGEN____ 23786	141.90 3.67 -88.48	147.46 9.53 0.00	-168.61 10.50 333.33	59.13 10.31 108.54	79.27 10.50 78.21	79.53 11.16 82.54	111.34 15.74 148.79	139.04 16.68 135.12	81.07 15.17 149.40	69.12 14.68 123.31	114.93 7.18 -25.17	-64.82 7.68 160.70	-213.47 10.74 347.41	-45.17 11.68 190.43	20.65 8.50 86.27	-536.81 11.24 677.33	45.69 12.10 105.18	72.37 14.46 117.10	54.60 10.13 76.82	24.18 6.66 60.78	-1175.41 14.20 1350.95	53.14 9.66 66.34	53.14 9.41 64.43	53.11 12.74 116.75
LINDHRST_69_KV_BK1 356055	143.28 5.07 -88.46	155.32 13.80 -3.59	168.39 14.16 0.00	170.07 12.71 0.00	172.32 14.13 -11.21	165.18 14.26 0.00	263.79 19.39 0.00	280.22 22.74 0.00	235.15 19.86 0.00	196.17 18.42 0.00	166.56 9.41 -74.57	162.59 9.35 -65.04	154.95 13.70 -18.05	158.71 15.00 -10.13	158.12 10.82 -48.88	158.72 14.57 -14.89	186.37 15.92 -31.68	198.43 19.13 -4.30	184.10 13.71 -49.11	162.19 8.93 -74.96	183.84 18.06 -4.44	168.17 11.59 -46.77	167.28 10.63 -48.49	171.60 14.47 0.00
LIPA_MISC_IPP 23656	142.99 4.79 -88.46	154.68 13.16 -3.59	167.54 13.31 0.00	169.01 11.65 0.00	171.62 13.42 -11.21	164.09 13.17 0.00	259.14 14.74 0.00	275.93 18.45 0.00	231.30 16.01 0.00	193.59 15.84 0.00	165.82 8.68 -74.57	159.21 7.84 -63.18	150.18 11.62 -15.37	155.28 12.91 -8.79	155.17 9.22 -47.53	153.94 12.71 -11.96	183.35 14.69 -29.88	195.59 16.29 -4.30	182.43 12.04 -49.11	161.02 7.76 -74.96	181.41 15.63 -4.44	166.13 9.54 -46.77	165.29 8.64 -48.49	168.82 11.69 0.00
LISF__SOLAR 323691	143.09 4.89 -88.46	154.96 13.44 -3.59	167.81 13.58 0.00	169.29 11.93 0.00	171.91 13.72 -11.21	164.39 13.48 0.00	259.60 15.20 0.00	276.47 18.98 0.00	231.69 16.40 0.00	193.87 16.12 0.00	165.92 8.77 -74.57	159.29 7.90 -63.19	150.34 11.75 -15.39	155.39 13.01 -8.80	155.28 9.31 -47.54	154.17 12.91 -11.99	183.68 15.01 -29.90	196.02 16.72 -4.30	182.74 12.36 -49.11	161.21 7.95 -74.96	181.80 16.02 -4.44	166.44 9.86 -46.77	165.51 8.86 -48.49	169.12 12.00 0.00

LITTLE FALLS___HYD 24013	52.22 2.47 0.00	144.63 6.71 0.00	161.96 7.73 0.00	164.42 7.06 0.00	154.39 7.41 0.00	158.91 7.99 0.00	254.89 10.49 0.00	269.87 12.38 0.00	225.11 9.81 0.00	184.78 7.02 0.00	85.79 3.21 0.00	91.86 3.67 0.00	127.87 4.67 0.00	139.52 5.93 0.00	103.19 4.76 0.00	135.36 6.09 0.00	146.05 7.27 0.00	185.07 10.07 0.00	128.47 7.19 0.00	82.83 4.54 0.00	170.61 9.28 0.00	116.32 6.50 0.00	114.29 6.13 0.00	165.50 8.38 0.00
LITTLRIV_115KV_TB1 356100	49.36 -0.38 0.00	136.94 -0.99 0.00	153.91 -0.32 0.00	158.91 1.55 0.00	146.92 -0.07 0.00	149.87 -1.05 0.00	243.62 -0.77 0.00	256.45 -1.04 0.00	213.09 -2.21 0.00	173.56 -4.20 0.00	79.67 -2.90 0.00	84.47 -3.72 0.00	117.48 -5.72 0.00	126.76 -6.82 0.00	93.28 -5.15 0.00	123.15 -6.12 0.00	133.49 -5.29 0.00	169.10 -5.90 0.00	117.23 -4.05 0.00	75.85 -2.45 0.00	156.85 -4.49 0.00	107.64 -2.17 0.00	106.50 -1.67 0.00	155.88 -1.25 0.00
LI_NEWBRDGE___DRP 323616	142.40 4.20 -88.46	152.80 11.28 -3.59	165.88 11.65 0.00	167.80 10.44 0.00	169.84 11.65 -11.21	162.77 11.85 0.00	260.24 15.85 0.00	275.73 18.25 0.00	231.43 16.14 0.00	193.06 15.31 0.00	165.11 7.96 -74.57	158.13 8.05 -61.88	148.43 11.73 -13.50	154.35 12.91 -7.85	154.28 9.27 -46.59	151.53 12.34 -9.92	180.77 13.35 -28.63	195.11 15.81 -4.30	181.68 11.29 -49.11	160.66 7.40 -74.96	180.85 15.07 -4.44	166.32 9.73 -46.77	165.74 9.10 -48.49	169.45 12.32 0.00
LOCKPORT_115KV_TB60_63_64 80432	57.57 -4.45 -12.27	125.97 -11.96 0.00	141.01 -13.22 0.00	143.75 -13.61 0.00	133.59 -13.05 0.34	136.33 -13.55 1.03	220.75 -23.65 0.00	229.56 -27.92 0.00	191.33 -23.13 0.82	159.33 -18.42 0.00	83.09 -9.59 -10.10	87.78 -9.58 -9.17	112.02 -13.01 -1.83	122.27 -12.18 -0.87	96.54 -8.39 -6.51	118.60 -11.40 -0.73	125.56 -13.22 0.00	154.81 -17.21 2.99	115.10 -12.58 -6.40	80.66 -8.69 -11.05	143.62 -17.78 -0.06	104.31 -12.25 -6.74	103.90 -11.28 -7.02	143.61 -13.51 0.00
LOCKPORT___CC1 323769	57.43 -4.68 -12.36	125.25 -12.67 0.00	140.28 -13.95 0.00	142.94 -14.42 0.00	132.83 -13.79 0.36	135.50 -14.37 1.05	219.56 -24.83 0.00	228.24 -29.23 0.01	190.04 -24.14 1.11	158.41 -19.34 0.00	82.72 -9.90 -10.05	87.48 -9.95 -9.24	111.55 -13.50 -1.85	121.73 -12.73 -0.87	96.27 -8.71 -6.56	116.13 -11.96 1.18	122.92 -13.75 2.11	148.65 -17.94 8.42	112.97 -13.13 -4.83	80.15 -9.02 -10.87	142.37 -18.55 0.41	104.00 -12.61 -6.79	103.52 -11.72 -7.07	142.76 -14.36 0.00
LOCKPORT___CC2 323770	57.43 -4.68 -12.36	125.25 -12.67 0.00	140.28 -13.95 0.00	142.94 -14.42 0.00	132.83 -13.79 0.36	135.50 -14.37 1.05	219.56 -24.83 0.00	228.24 -29.23 0.01	190.04 -24.14 1.11	158.41 -19.34 0.00	82.72 -9.90 -10.05	87.48 -9.95 -9.24	111.55 -13.50 -1.85	121.73 -12.73 -0.87	96.27 -8.71 -6.56	116.13 -11.96 1.18	122.92 -13.75 2.11	148.65 -17.94 8.42	112.97 -13.13 -4.83	80.15 -9.02 -10.87	142.37 -18.55 0.41	104.00 -12.61 -6.79	103.52 -11.72 -7.07	142.76 -14.36 0.00
LOCKPORT___CC3 323771	57.43 -4.68 -12.36	125.25 -12.67 0.00	140.28 -13.95 0.00	142.94 -14.42 0.00	132.83 -13.79 0.36	135.50 -14.37 1.05	219.56 -24.83 0.00	228.24 -29.23 0.01	190.04 -24.14 1.11	158.41 -19.34 0.00	82.72 -9.90 -10.05	87.48 -9.95 -9.24	111.55 -13.50 -1.85	121.73 -12.73 -0.87	96.27 -8.71 -6.56	116.13 -11.96 1.18	122.92 -13.75 2.11	148.65 -17.94 8.42	112.97 -13.13 -4.83	80.15 -9.02 -10.87	142.37 -18.55 0.41	104.00 -12.61 -6.79	103.52 -11.72 -7.07	142.76 -14.36 0.00
LONG_LAKE_PHOENIX 24014	55.67 -1.02 -6.94	134.80 -3.13 0.00	150.80 -3.43 0.00	153.60 -3.76 0.00	144.58 -3.30 -0.89	147.66 -3.25 0.00	239.11 -5.28 0.00	252.32 -5.16 0.00	211.15 -4.14 0.00	174.57 -3.18 0.00	86.95 -1.53 -5.92	91.47 -1.63 -4.91	121.72 -2.46 -0.98	131.65 -2.40 -0.46	100.29 -1.61 -3.47	127.53 -2.13 -0.39	136.39 -2.39 0.00	172.19 -3.15 -0.34	123.04 -2.14 -3.90	82.72 -1.48 -5.90	158.53 -3.16 -0.35	111.31 -2.22 -3.71	109.73 -2.28 -3.85	153.78 -3.34 0.00
LOVETT___3 23632	135.59 3.08 -82.77	146.11 8.18 0.00	163.21 8.98 0.00	165.94 8.57 0.00	166.98 9.16 -10.83	160.65 9.73 0.00	257.99 13.60 0.00	272.08 14.60 0.00	228.30 13.01 0.00	190.09 12.33 0.00	160.92 6.26 -72.08	154.66 6.66 -59.81	144.33 9.21 -11.92	149.26 10.03 -5.65	148.12 7.36 -42.33	143.58 9.58 -4.73	149.21 10.43 0.00	191.89 12.74 -4.15	177.73 8.98 -47.46	156.02 5.85 -71.87	177.82 12.19 -4.29	163.25 8.23 -45.21	163.04 8.01 -46.87	167.98 10.85 0.00
LOVETT___4 23642	135.59 3.08 -82.77	146.11 8.18 0.00	163.21 8.98 0.00	165.94 8.57 0.00	166.98 9.16 -10.83	160.65 9.73 0.00	257.99 13.60 0.00	272.08 14.60 0.00	228.30 13.01 0.00	190.09 12.33 0.00	160.92 6.26 -72.08	154.66 6.66 -59.81	144.33 9.21 -11.92	149.26 10.03 -5.65	148.12 7.36 -42.33	143.58 9.58 -4.73	149.21 10.43 0.00	191.89 12.74 -4.15	177.73 8.98 -47.46	156.02 5.85 -71.87	177.82 12.19 -4.29	163.25 8.23 -45.21	163.04 8.01 -46.87	167.98 10.85 0.00
LOVETT___5 23593	135.59 3.08 -82.77	146.11 8.18 0.00	163.21 8.98 0.00	165.94 8.57 0.00	166.98 9.16 -10.83	160.65 9.73 0.00	257.99 13.60 0.00	272.08 14.60 0.00	228.30 13.01 0.00	190.09 12.33 0.00	160.92 6.26 -72.08	154.66 6.66 -59.81	144.33 9.21 -11.92	149.26 10.03 -5.65	148.12 7.36 -42.33	143.58 9.58 -4.73	149.21 10.43 0.00	191.89 12.74 -4.15	177.73 8.98 -47.46	156.02 5.85 -71.87	177.82 12.19 -4.29	163.25 8.23 -45.21	163.04 8.01 -46.87	167.98 10.85 0.00
LOWER RAQUET___HYD 24057	48.81 -0.93 0.00	135.38 -2.54 0.00	152.24 -1.99 0.00	157.15 -0.21 0.00	145.32 -1.67 0.00	147.96 -2.95 0.00	239.97 -4.42 0.00	252.60 -4.88 0.00	210.18 -5.11 0.00	171.47 -6.28 0.00	79.06 -3.52 0.00	83.99 -4.21 0.00	116.94 -6.26 0.00	126.27 -7.31 0.00	93.01 -5.42 0.00	122.80 -6.47 0.00	132.38 -6.40 0.00	166.87 -8.13 0.00	115.58 -5.70 0.00	74.80 -3.50 0.00	154.83 -6.51 0.00	106.39 -3.42 0.00	105.30 -2.86 0.00	154.22 -2.91 0.00
LOWER___HUDSON 24059	161.49 3.00 -108.75	146.02 8.09 0.00	163.22 8.99 0.00	165.85 8.48 0.00	169.49 8.62 -13.88	159.97 9.05 0.00	257.05 12.66 0.00	270.92 13.44 0.00	227.13 11.84 0.00	187.84 10.09 0.00	179.85 4.92 -92.35	169.78 4.96 -76.63	145.38 6.91 -15.27	148.52 7.70 -7.24	158.31 5.65 -54.24	142.82 7.49 -6.06	146.69 7.91 0.00	190.63 10.30 -5.33	189.39 7.14 -60.97	175.01 4.40 -92.32	175.91 9.06 -5.51	174.19 6.32 -58.05	174.66 6.31 -60.19	166.35 9.22 0.00
LOWVILLE_115KV_TB2 356335	54.41 1.66 -3.01	142.38 4.45 0.00	159.41 5.18 0.00	162.80 5.44 0.00	152.20 4.83 -0.38	156.15 5.24 0.00	254.10 9.71 0.00	268.88 11.39 0.00	224.66 9.37 0.00	184.86 7.10 0.00	87.90 2.77 -2.56	92.68 2.36 -2.12	126.04 2.42 -0.42	136.30 2.52 -0.20	102.03 2.10 -1.51	133.06 3.63 -0.17	144.01 5.23 0.00	182.31 7.16 -0.15	127.52 4.55 -1.69	83.22 2.36 -2.56	166.65 5.16 -0.15	115.33 3.91 -1.61	113.62 3.79 -1.67	162.93 5.81 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	164.17 3.71 -110.72	148.02 10.09 0.00	165.51 11.29 0.00	168.23 10.87 0.00	171.89 10.77 -14.14	162.35 11.43 0.00	261.66 17.26 0.00	275.74 18.25 0.00	231.02 15.73 0.00	190.33 12.57 0.00	182.35 5.75 -94.04	172.15 5.93 -78.03	146.95 8.20 -15.55	150.22 9.26 -7.37	160.52 6.87 -55.23	144.79 9.36 -6.17	149.26 10.47 0.00	194.11 13.68 -5.43	192.79 9.44 -62.07	178.16 5.88 -93.98	178.91 11.96 -5.61	177.09 8.18 -59.10	177.46 8.03 -61.26	168.79 11.67 0.00

LUTHERNY_35_KV_BK2 355980	164.24 3.78 -110.72	148.19 10.27 0.00	165.66 11.44 0.00	168.33 10.96 0.00	171.94 10.82 -14.14	162.48 11.56 0.00	261.74 17.35 0.00	275.74 18.25 0.00	231.25 15.96 0.00	190.51 12.75 0.00	182.42 5.81 -94.04	172.20 5.98 -78.03	147.07 8.32 -15.55	150.32 9.36 -7.37	160.61 6.95 -55.23	144.97 9.53 -6.17	149.38 10.60 0.00	194.39 13.96 -5.43	192.91 9.57 -62.07	178.26 5.98 -93.98	179.11 12.16 -5.61	177.19 8.28 -59.10	177.57 8.14 -61.26	168.91 11.79 0.00
LWR___OSWEGATCHIE_HYD 23850	52.21 0.24 -2.24	138.45 0.52 0.00	155.36 1.14 0.00	159.49 2.13 0.00	148.34 1.07 -0.29	151.57 0.65 0.00	246.20 1.80 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.89 -2.62 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.34 -2.05 -0.12	137.59 -1.19 0.00	173.85 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.78 -0.23 -1.19	109.47 0.07 -1.24	158.02 0.90 0.00
LYONS_FALL_HYD 23570	54.29 1.73 -2.82	142.62 4.69 0.00	159.63 5.41 0.00	162.89 5.53 0.00	152.39 5.04 -0.36	156.39 5.47 0.00	254.16 9.76 0.00	268.68 11.20 0.00	224.67 9.38 0.00	185.13 7.37 0.00	88.06 3.09 -2.40	92.96 2.77 -1.99	126.95 3.35 -0.40	137.31 3.54 -0.19	102.66 2.82 -1.41	133.72 4.30 -0.16	144.34 5.56 0.00	182.53 7.38 -0.14	127.70 4.84 -1.58	83.43 2.73 -2.40	167.23 5.75 -0.14	115.50 4.18 -1.51	113.71 3.99 -1.56	162.93 5.80 0.00
MADISON___COUNTY_LFGE 323628	56.36 1.63 -4.99	142.63 4.71 0.00	159.73 5.50 0.00	162.68 5.32 0.00	152.76 5.13 -0.64	156.68 5.77 0.00	254.09 9.70 0.00	268.48 11.00 0.00	224.89 9.60 0.00	185.69 7.94 0.00	90.41 3.59 -4.25	94.91 3.19 -3.53	128.56 4.65 -0.70	138.85 4.93 -0.33	104.55 3.63 -2.50	134.54 4.99 -0.28	144.76 5.98 0.00	182.86 7.61 -0.24	129.20 5.12 -2.80	85.70 3.16 -4.24	168.01 6.41 -0.25	116.78 4.30 -2.67	114.93 4.00 -2.77	162.62 5.50 0.00
MALONE___115KV_TB1 356076	50.30 0.56 0.00	139.48 1.56 0.00	156.27 2.04 0.00	160.36 3.00 0.00	149.01 2.03 0.00	152.26 1.35 0.00	248.02 3.63 0.00	260.82 3.35 0.00	217.51 2.22 0.00	178.04 0.29 0.00	82.10 -0.47 0.00	87.37 -0.83 0.00	121.54 -1.66 0.00	131.32 -2.26 0.00	96.56 -1.86 0.00	127.81 -1.46 0.00	138.19 -0.59 0.00	174.96 -0.04 0.00	121.27 -0.01 0.00	78.24 -0.06 0.00	161.06 -0.27 0.00	109.92 0.10 0.00	108.56 0.40 0.00	158.59 1.47 0.00
MAPLEWOD_115KV_TB3 80458	160.54 2.68 -108.12	145.17 7.24 0.00	162.35 8.12 0.00	165.02 7.66 0.00	168.57 7.78 -13.80	158.86 7.95 0.00	255.58 11.19 0.00	269.35 11.87 0.00	225.65 10.36 0.00	186.95 9.20 0.00	178.79 4.40 -91.82	169.03 4.65 -76.19	144.92 6.54 -15.18	147.96 7.18 -7.20	157.67 5.32 -53.93	142.19 6.89 -6.03	146.08 7.30 0.00	189.50 9.20 -5.30	188.21 6.32 -60.60	174.00 3.94 -91.76	174.92 8.11 -5.48	173.12 5.60 -57.70	173.47 5.49 -59.82	165.06 7.94 0.00
MAPLE_RIDGE_WT_1 323574	49.39 -0.36 0.00	136.99 -0.94 0.00	153.25 -0.97 0.00	156.74 -0.62 0.00	146.12 -0.86 0.00	149.89 -1.03 0.00	243.44 -0.95 0.00	256.21 -1.27 0.00	213.88 -1.41 0.00	176.14 -1.61 0.00	81.69 -0.88 0.00	87.11 -1.08 0.00	121.42 -1.78 0.00	131.57 -2.01 0.00	97.00 -1.43 0.00	127.62 -1.65 0.00	137.13 -1.65 0.00	173.05 -1.95 0.00	119.84 -1.44 0.00	77.36 -0.94 0.00	159.55 -1.78 0.00	108.68 -1.13 0.00	107.08 -1.08 0.00	155.79 -1.34 0.00
MAPLE_RIDGE_WT_2 323611	49.39 -0.36 0.00	136.99 -0.94 0.00	153.25 -0.97 0.00	156.74 -0.62 0.00	146.12 -0.86 0.00	149.89 -1.03 0.00	243.44 -0.95 0.00	256.21 -1.27 0.00	213.88 -1.41 0.00	176.14 -1.61 0.00	81.69 -0.88 0.00	87.11 -1.08 0.00	121.42 -1.78 0.00	131.57 -2.01 0.00	97.00 -1.43 0.00	127.62 -1.65 0.00	137.13 -1.65 0.00	173.05 -1.95 0.00	119.84 -1.44 0.00	77.36 -0.94 0.00	159.55 -1.78 0.00	108.68 -1.13 0.00	107.08 -1.08 0.00	155.79 -1.34 0.00
MARBLE_RIVER_WT_PWR 323696	49.55 -0.20 0.00	137.57 -0.35 0.00	154.07 -0.16 0.00	157.81 0.45 0.00	146.85 -0.14 0.00	150.18 -0.73 0.00	244.02 -0.37 0.00	256.26 -1.22 0.00	213.84 -1.46 0.00	175.34 -2.41 0.00	81.01 -1.56 0.00	86.11 -2.09 0.00	119.85 -3.35 0.00	129.32 -4.26 0.00	95.24 -3.18 0.00	126.01 -3.26 0.00	136.04 -2.74 0.00	172.05 -2.96 0.00	119.26 -2.02 0.00	76.86 -1.44 0.00	158.01 -3.33 0.00	107.61 -2.21 0.00	106.34 -1.82 0.00	155.45 -1.68 0.00
MARSHVLE_115KV_TB1 80742	176.63 2.73 -124.15	145.72 7.80 0.00	163.14 8.92 0.00	166.68 9.31 0.00	171.65 8.81 -15.86	159.86 8.94 0.00	260.30 15.91 0.00	274.96 17.48 0.00	228.64 13.35 0.00	185.77 8.02 0.00	190.91 2.83 -105.51	179.45 3.71 -87.55	145.48 4.83 -17.44	147.89 6.04 -8.27	165.16 4.77 -61.97	142.71 6.52 -6.92	147.68 8.90 0.00	193.34 12.24 -6.09	199.24 8.36 -69.60	188.92 5.23 -105.39	178.36 10.73 -6.29	183.28 7.19 -66.27	183.75 6.88 -68.71	166.86 9.74 0.00
MARSH_HILL_WT_PWR 323713	61.85 -3.74 -15.84	127.80 -10.13 0.00	145.24 -8.99 0.00	145.51 -11.85 0.00	132.20 -11.35 3.44	138.45 -9.53 2.94	229.77 -14.62 0.00	242.10 -15.38 0.00	202.14 -10.25 2.90	169.71 -8.05 0.00	90.05 -5.03 -12.50	97.13 -4.04 -12.97	121.52 -4.21 -2.53	131.99 -2.79 -1.20	106.08 -1.33 -8.99	128.67 -1.60 -1.00	136.32 -2.46 0.00	160.79 -4.50 9.71	125.38 -3.40 -7.50	91.10 -2.48 -15.28	154.95 -5.51 0.88	115.03 -3.79 -9.01	113.72 -3.87 -9.43	152.63 -4.50 0.00
MCINTYRE_115KV_TB2 80467	49.58 -0.17 0.00	137.62 -0.30 0.00	154.63 0.41 0.00	159.70 2.34 0.00	147.83 0.85 0.00	151.08 0.17 0.00	246.60 2.21 0.00	259.56 2.08 0.00	215.36 0.07 0.00	175.15 -2.60 0.00	80.11 -2.46 0.00	84.82 -3.37 0.00	117.95 -5.25 0.00	127.18 -6.41 0.00	93.50 -4.92 0.00	123.45 -5.82 0.00	134.25 -4.54 0.00	170.90 -4.11 0.00	118.52 -2.76 0.00	76.66 -1.64 0.00	158.33 -3.01 0.00	108.49 -1.32 0.00	107.08 -1.08 0.00	156.50 -0.62 0.00
MECO_____69_KV_BK1 80468	173.12 3.85 -119.53	148.65 10.73 0.00	166.34 12.11 0.00	169.60 12.24 0.00	174.05 11.79 -15.27	163.19 12.28 0.00	265.09 20.69 0.00	280.35 22.87 0.00	232.99 17.70 0.00	188.78 11.03 0.00	187.80 3.67 -101.57	176.89 4.42 -84.28	145.55 5.56 -16.79	148.97 7.43 -7.96	163.69 5.61 -59.65	143.66 7.72 -6.66	150.18 11.40 0.00	197.14 16.28 -5.86	199.52 11.23 -67.01	186.83 7.08 -101.46	181.83 14.43 -6.06	183.29 9.67 -63.80	183.52 9.22 -66.14	170.09 12.96 0.00
MENANDS___115KV_TB5 355628	160.06 2.43 -107.89	144.49 6.56 0.00	161.54 7.31 0.00	164.21 6.85 0.00	167.82 7.06 -13.77	158.11 7.19 0.00	254.10 9.70 0.00	267.71 10.23 0.00	224.27 8.98 0.00	185.97 8.21 0.00	178.17 3.98 -91.63	168.39 4.17 -76.03	144.28 5.93 -15.15	147.31 6.55 -7.18	157.06 4.82 -53.81	141.50 6.22 -6.01	145.22 6.44 0.00	188.23 7.94 -5.29	187.21 5.46 -60.47	173.25 3.39 -91.56	173.78 6.98 -5.47	172.26 4.87 -57.58	172.63 4.77 -59.69	164.07 6.95 0.00
MG INDUSTRY___DRP 24185	157.54 2.21 -105.58	144.02 6.09 0.00	161.18 6.95 0.00	163.88 6.52 0.00	167.01 6.55 -13.48	157.50 6.59 0.00	253.39 9.00 0.00	266.80 9.32 0.00	223.10 7.81 0.00	184.53 6.77 0.00	175.43 3.17 -89.68	166.20 3.59 -74.42	143.06 5.03 -14.83	146.21 5.59 -7.03	155.25 4.16 -52.67	140.48 5.33 -5.88	144.48 5.70 0.00	187.18 7.00 -5.18	185.25 4.81 -59.16	170.92 3.04 -89.58	172.99 6.30 -5.35	170.53 4.38 -56.33	170.86 4.30 -58.40	163.45 6.32 0.00

MID___OSWEGATCHIE_HYD 23849	52.21 0.24 -2.24	138.45 0.52 0.00	155.36 1.14 0.00	159.49 2.13 0.00	148.34 1.07 -0.29	151.57 0.65 0.00	246.20 1.80 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.89 -2.62 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.34 -2.05 -0.12	137.59 -1.19 0.00	173.85 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.78 -0.23 -1.19	109.47 0.07 -1.24	158.02 0.90 0.00
MID___RAQUETTE_HYD 23851	48.81 -0.93 0.00	135.39 -2.54 0.00	152.24 -1.99 0.00	157.15 -0.21 0.00	145.31 -1.67 0.00	147.97 -2.95 0.00	239.98 -4.42 0.00	252.60 -4.89 0.00	210.18 -5.11 0.00	171.45 -6.30 0.00	79.05 -3.52 0.00	83.98 -4.21 0.00	116.97 -6.24 0.00	126.27 -7.31 0.00	93.01 -5.41 0.00	122.79 -6.48 0.00	132.38 -6.40 0.00	166.87 -8.13 0.00	115.57 -5.70 0.00	74.79 -3.50 0.00	154.83 -6.50 0.00	106.41 -3.41 0.00	105.30 -2.87 0.00	154.22 -2.90 0.00
MILLIKEN___1 23584	70.66 0.67 -20.24	139.62 1.70 0.00	156.31 2.08 0.00	159.26 1.90 0.00	158.45 1.93 -9.53	156.86 2.21 -3.73	248.06 3.66 0.00	262.46 4.98 0.00	223.12 4.59 -3.24	181.18 3.42 0.00	102.33 1.23 -18.52	101.95 1.34 -12.42	127.91 2.24 -2.47	137.61 2.86 -1.17	109.52 2.31 -8.78	133.28 3.03 -0.98	142.34 3.56 0.00	193.87 4.56 -14.30	137.56 3.14 -13.14	95.13 1.91 -14.92	168.29 3.79 -3.16	122.43 2.48 -10.13	120.80 2.24 -10.40	160.23 3.10 0.00
MILLIKEN___2 23585	70.66 0.67 -20.24	139.62 1.70 0.00	156.31 2.08 0.00	159.26 1.90 0.00	158.45 1.93 -9.53	156.86 2.21 -3.73	248.06 3.66 0.00	262.46 4.98 0.00	223.12 4.59 -3.24	181.18 3.42 0.00	102.33 1.23 -18.52	101.95 1.34 -12.42	127.91 2.24 -2.47	137.61 2.86 -1.17	109.52 2.31 -8.78	133.28 3.03 -0.98	142.34 3.56 0.00	193.87 4.56 -14.30	137.56 3.14 -13.14	95.13 1.91 -14.92	168.29 3.79 -3.16	122.43 2.48 -10.13	120.80 2.24 -10.40	160.23 3.10 0.00
MILLIKEN___DIESEL 23629	70.66 0.67 -20.24	139.62 1.70 0.00	156.31 2.08 0.00	159.26 1.90 0.00	158.45 1.93 -9.53	156.86 2.21 -3.73	248.06 3.66 0.00	262.46 4.98 0.00	223.12 4.59 -3.24	181.18 3.42 0.00	102.33 1.23 -18.52	101.95 1.34 -12.42	127.91 2.24 -2.47	137.61 2.86 -1.17	109.52 2.31 -8.78	133.28 3.03 -0.98	142.34 3.56 0.00	193.87 4.56 -14.30	137.56 3.14 -13.14	95.13 1.91 -14.92	168.29 3.79 -3.16	122.43 2.48 -10.13	120.80 2.24 -10.40	160.23 3.10 0.00
MILLSEAT___LFGE 323607	58.68 -2.94 -11.87	130.04 -7.88 0.00	145.51 -8.72 0.00	148.31 -9.05 0.00	138.02 -8.69 0.27	140.98 -8.97 0.96	228.92 -15.47 0.00	238.93 -18.56 0.00	199.26 -15.26 0.78	165.47 -12.28 0.00	85.47 -6.88 -9.78	90.04 -7.01 -8.85	115.52 -9.45 -1.77	126.18 -8.24 -0.84	99.07 -5.63 -6.28	120.58 -7.66 1.03	128.36 -8.51 1.91	156.95 -10.85 7.20	117.96 -8.12 -4.80	82.93 -5.80 -10.43	149.09 -12.03 0.21	108.07 -8.26 -6.51	107.26 -7.69 -6.78	148.17 -8.96 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	141.30 3.62 -87.93	147.37 9.45 0.00	164.55 10.32 0.00	167.28 9.91 0.00	168.38 10.25 -11.15	161.68 10.76 0.00	259.52 15.12 0.00	273.75 16.27 0.00	229.79 14.50 0.00	191.39 13.64 0.00	163.56 6.83 -74.15	156.98 7.25 -61.53	145.58 10.12 -12.26	150.38 10.99 -5.81	150.02 8.05 -43.55	144.70 10.57 -4.87	150.18 11.40 0.00	193.20 13.93 -4.27	179.91 9.80 -48.83	158.61 6.38 -73.93	179.02 13.26 -4.42	165.28 8.96 -46.51	165.10 8.73 -48.21	169.05 11.93 0.00
MILLWOOD_13_KV_LOAD 356217	141.37 3.69 -87.93	147.55 9.63 0.00	164.83 10.60 0.00	167.50 10.14 0.00	168.59 10.46 -11.15	161.88 10.96 0.00	259.95 15.56 0.00	274.26 16.78 0.00	230.22 14.93 0.00	191.73 13.98 0.00	163.72 7.00 -74.15	157.14 7.42 -61.53	145.76 10.30 -12.26	150.63 11.23 -5.81	150.19 8.21 -43.55	144.90 10.76 -4.87	150.43 11.65 0.00	193.54 14.27 -4.27	180.14 10.03 -48.83	158.76 6.53 -73.93	179.28 13.52 -4.42	165.47 9.15 -46.51	165.27 8.90 -48.21	169.25 12.13 0.00
MODEL_CITY_ENERGY 24167	57.48 -4.77 -12.50	125.09 -12.83 0.00	140.06 -14.17 0.00	142.75 -14.61 0.00	132.63 -13.97 0.38	135.24 -14.60 1.07	218.64 -25.76 0.00	227.01 -30.48 0.00	189.13 -25.29 0.87	157.50 -20.25 0.00	82.50 -10.35 -10.28	87.08 -10.45 -9.35	110.88 -14.19 -1.87	120.98 -13.49 -0.89	95.76 -9.29 -6.63	115.28 -12.69 1.30	121.97 -14.56 2.25	147.74 -18.94 8.33	112.33 -13.81 -4.86	79.80 -9.49 -10.98	141.70 -19.35 0.29	103.49 -13.19 -6.87	103.09 -12.23 -7.15	142.40 -14.72 0.00
MODERN_LFGE___ 323580	57.48 -4.77 -12.50	125.09 -12.83 0.00	140.06 -14.17 0.00	142.75 -14.61 0.00	132.63 -13.97 0.38	135.24 -14.60 1.07	218.64 -25.76 0.00	227.01 -30.48 0.00	189.13 -25.29 0.87	157.50 -20.25 0.00	82.50 -10.35 -10.28	87.08 -10.45 -9.35	110.88 -14.19 -1.87	120.98 -13.49 -0.89	95.76 -9.29 -6.63	115.28 -12.69 1.30	121.97 -14.56 2.25	147.74 -18.94 8.33	112.33 -13.81 -4.86	79.80 -9.49 -10.98	141.70 -19.35 0.29	103.49 -13.19 -6.87	103.09 -12.23 -7.15	142.40 -14.72 0.00
MOHAWK_PAPER___DRP 24187	160.54 2.68 -108.12	145.17 7.24 0.00	162.35 8.12 0.00	165.02 7.66 0.00	168.57 7.78 -13.80	158.86 7.95 0.00	255.58 11.19 0.00	269.35 11.87 0.00	225.65 10.36 0.00	186.95 9.20 0.00	178.79 4.40 -91.82	169.03 4.65 -76.19	144.92 6.54 -15.18	147.96 7.18 -7.20	157.67 5.32 -53.93	142.19 6.89 -6.03	146.08 7.30 0.00	189.50 9.20 -5.30	188.21 6.32 -60.60	174.00 3.94 -91.76	174.92 8.11 -5.48	173.12 5.60 -57.70	173.47 5.49 -59.82	165.06 7.94 0.00
MOHICAN___35_KV_115KV_LD 80490	165.16 4.60 -110.83	150.45 12.53 0.00	168.27 14.04 0.00	170.78 13.42 0.00	174.54 13.41 -14.15	165.37 14.45 0.00	266.68 22.29 0.00	281.20 23.72 0.00	236.41 21.11 0.00	194.05 16.29 0.00	183.75 7.10 -94.07	173.40 7.14 -78.06	148.91 10.17 -15.54	152.60 11.65 -7.37	162.11 8.47 -55.21	147.05 11.61 -6.17	152.10 13.32 0.00	197.98 17.54 -5.43	195.51 12.14 -62.09	179.83 7.52 -94.01	181.99 15.04 -5.61	179.23 10.29 -59.12	179.67 10.22 -61.29	172.14 15.02 0.00
MONGAUP___HYD 23641	132.30 3.43 -79.12	147.13 9.20 0.00	164.41 10.18 0.00	167.05 9.69 0.00	166.92 9.69 -10.25	159.96 9.04 0.00	257.53 13.14 0.00	271.84 14.36 0.00	227.78 12.49 0.00	188.35 10.60 0.00	155.83 5.08 -68.17	150.78 6.01 -56.57	142.45 7.98 -11.27	147.45 8.52 -5.34	144.86 6.40 -40.04	142.47 8.73 -4.47	147.89 9.11 0.00	190.91 11.98 -3.93	174.70 8.53 -44.90	151.79 5.51 -67.98	177.00 11.60 -4.06	161.23 8.66 -42.76	160.94 8.45 -44.33	168.85 11.72 0.00
MONTAUK___DIESEL 23721	144.65 6.44 -88.46	159.27 17.75 -3.59	172.69 18.46 0.00	174.26 16.90 0.00	176.42 18.23 -11.21	167.74 16.82 0.00	263.65 19.26 0.00	280.67 23.19 0.00	234.99 19.69 0.00	198.71 20.95 0.00	168.31 11.16 -74.57	161.51 10.13 -63.18	153.30 14.72 -15.37	158.54 16.16 -8.79	157.67 11.71 -47.53	157.61 16.37 -11.97	188.04 19.38 -29.89	201.26 21.97 -4.30	186.68 16.30 -49.11	162.92 9.66 -74.96	184.41 18.63 -4.44	167.64 11.06 -46.77	166.97 10.32 -48.49	171.18 14.05 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	60.51 -3.41 -14.18	127.55 -10.37 0.00	144.01 -10.22 0.00	147.79 -9.57 0.00	137.85 -8.38 0.75	140.75 -8.79 1.38	231.17 -13.23 0.00	244.53 -12.96 0.00	205.39 -8.80 1.10	171.31 -6.44 0.00	89.87 -4.27 -11.57	94.70 -4.10 -10.62	118.87 -6.47 -2.13	129.43 -5.17 -1.01	102.53 -3.47 -7.58	125.64 -4.48 -0.85	133.16 -5.62 0.00	163.19 -7.58 4.23	122.82 -5.75 -7.29	86.72 -4.46 -12.88	152.16 -9.11 0.07	111.20 -6.43 -7.82	110.21 -6.10 -8.15	149.67 -7.46 0.00

MORRIS_RIDGE___SOLAR 323848	62.30 -3.43 -15.99	128.72 -9.20 0.00	145.04 -9.18 0.00	146.72 -10.64 0.00	135.26 -10.18 1.55	138.90 -10.08 1.93	228.30 -16.09 0.00	240.58 -16.90 0.00	200.45 -13.11 1.73	167.23 -10.52 0.00	89.49 -6.03 -12.95	94.70 -5.81 -12.31	118.20 -7.45 -2.45	128.50 -6.24 -1.16	103.21 -3.91 -8.69	125.22 -5.02 -0.97	132.53 -6.25 0.00	159.72 -9.17 6.12	122.65 -6.68 -8.05	88.36 -4.71 -14.77	151.34 -9.70 0.29	112.31 -6.40 -8.90	111.35 -6.09 -9.28	149.43 -7.69 0.00
MORTIMER_115KV_TB3 55949	57.93 -2.03 -10.22	132.31 -5.62 0.00	148.09 -6.13 0.00	150.93 -6.43 0.00	140.97 -6.03 -0.02	143.92 -6.30 0.69	233.86 -10.53 0.00	245.23 -12.25 0.00	204.71 -9.99 0.60	169.77 -7.98 0.00	86.84 -4.20 -8.46	91.66 -4.09 -7.56	119.29 -5.42 -1.51	129.64 -4.66 -0.72	100.82 -2.97 -5.36	125.57 -4.30 -0.60	133.56 -5.22 0.00	166.13 -6.90 1.97	121.69 -4.99 -5.40	83.83 -3.57 -9.10	153.84 -7.62 -0.12	110.20 -5.20 -5.58	109.04 -4.93 -5.81	150.96 -6.17 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	142.40 4.17 -88.49	148.83 10.90 0.00	166.20 11.97 0.00	169.02 11.66 0.00	170.03 11.83 -11.21	163.32 12.40 0.00	262.29 17.90 0.00	276.62 19.14 0.00	232.43 17.13 0.00	193.85 16.10 0.00	165.13 7.95 -74.61	158.55 8.45 -61.91	147.34 11.80 -12.34	152.26 12.83 -5.85	151.64 9.39 -43.82	146.51 12.35 -4.90	152.09 13.31 0.00	195.33 16.03 -4.30	181.66 11.25 -49.13	160.04 7.36 -74.39	181.17 15.39 -4.44	167.01 10.40 -46.79	166.48 9.81 -48.51	170.45 13.33 0.00
MUNSVILLE_WIND_PWR 323609	82.06 3.91 -28.40	148.40 10.48 0.00	165.96 11.74 0.00	169.44 12.08 0.00	165.67 11.55 -7.13	164.32 11.53 -1.88	264.83 20.44 0.00	282.51 25.03 0.00	240.46 23.54 -1.62	197.34 19.59 0.00	115.81 8.38 -24.85	115.41 8.09 -19.14	139.24 12.23 -3.81	150.19 14.80 -1.81	123.33 11.37 -13.54	146.91 15.61 -2.03	157.81 18.45 -0.57	207.74 23.32 -9.42	154.27 15.72 -17.27	111.40 10.02 -23.08	184.55 20.61 -2.60	138.42 13.76 -14.85	135.54 12.05 -15.34	173.55 16.43 0.00
N SALMON___HYD 24042	50.30 0.56 0.00	139.48 1.56 0.00	156.27 2.04 0.00	160.36 3.00 0.00	149.03 2.05 0.00	152.26 1.35 0.00	248.02 3.63 0.00	260.82 3.34 0.00	217.51 2.22 0.00	178.04 0.29 0.00	82.10 -0.47 0.00	87.36 -0.83 0.00	121.52 -1.68 0.00	131.32 -2.26 0.00	96.56 -1.86 0.00	127.82 -1.44 0.00	138.20 -0.58 0.00	174.96 -0.04 0.00	121.27 -0.01 0.00	78.25 -0.05 0.00	161.06 -0.27 0.00	109.92 0.10 0.00	108.56 0.40 0.00	158.59 1.46 0.00
N.AKRON__115KV_KNAPP 355671	58.39 -3.38 -12.03	128.81 -9.12 0.00	144.18 -10.05 0.00	147.01 -10.35 0.00	136.78 -9.90 0.30	139.64 -10.28 0.99	226.61 -17.79 0.00	236.17 -21.31 0.00	196.91 -17.59 0.80	163.74 -14.01 0.00	84.83 -7.65 -9.91	89.51 -7.66 -8.98	114.61 -10.38 -1.79	125.15 -9.28 -0.85	98.40 -6.39 -6.37	121.39 -8.59 -0.71	128.88 -9.90 0.00	159.27 -12.87 2.87	118.09 -9.47 -6.28	82.40 -6.72 -10.82	147.61 -13.80 -0.07	106.87 -9.55 -6.60	106.22 -8.82 -6.88	146.89 -10.23 0.00
N.BELMOR_69_KV_BK1 55787	142.90 4.69 -88.46	154.10 12.59 -3.59	167.28 13.05 0.00	169.18 11.82 0.00	171.13 12.94 -11.21	164.14 13.22 0.00	262.58 18.19 0.00	278.45 20.96 0.00	233.67 18.38 0.00	194.82 17.06 0.00	165.99 8.85 -74.57	166.28 8.90 -69.18	159.85 12.66 -24.00	160.62 13.93 -13.10	160.34 10.05 -51.87	164.30 13.65 -21.38	189.25 14.82 -35.65	197.02 17.72 -4.30	183.08 12.69 -49.11	161.56 8.30 -74.96	182.67 16.89 -4.44	167.47 10.88 -46.77	166.77 10.13 -48.49	170.84 13.72 0.00
N.E_GEN_SANDY PD 24062	160.57 3.31 -107.52	153.05 8.86 -6.27	175.76 9.84 -11.69	159.87 9.24 6.73	169.05 9.47 -12.60	158.54 9.86 2.23	264.14 13.31 -6.43	271.54 14.06 0.00	226.98 12.63 0.94	187.59 11.35 1.52	172.14 5.76 -83.81	163.57 5.83 -69.55	145.09 8.03 -13.86	148.98 8.83 -6.57	154.10 6.45 -49.22	143.20 8.43 -5.50	147.47 8.69 0.00	190.99 11.11 -4.87	184.75 7.78 -55.70	167.43 4.80 -84.33	176.13 9.94 -4.85	169.84 6.99 -53.04	164.91 7.05 -49.70	164.88 10.31 2.55
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	135.64 3.21 -82.69	146.40 8.48 0.00	163.61 9.38 0.00	166.29 8.93 0.00	167.25 9.45 -10.81	160.92 10.01 0.00	258.48 14.09 0.00	272.64 15.16 0.00	228.79 13.50 0.00	190.49 12.74 0.00	160.98 6.46 -71.95	154.74 6.85 -59.70	144.57 9.48 -11.89	149.53 10.31 -5.64	148.25 7.57 -42.26	143.88 9.89 -4.72	149.53 10.75 0.00	192.28 13.13 -4.14	177.94 9.28 -47.38	156.08 6.05 -71.74	178.16 12.54 -4.29	163.43 8.48 -45.12	163.24 8.30 -46.78	168.32 11.20 0.00
N.QUEENS_27_KV_LOAD 356247	142.33 4.10 -88.49	148.63 10.71 0.00	166.00 11.77 0.00	168.88 11.52 0.00	169.84 11.64 -11.21	163.02 12.11 0.00	261.87 17.48 0.00	276.08 18.60 0.00	232.21 16.91 0.00	193.77 16.02 0.00	165.00 7.82 -74.61	158.41 8.31 -61.90	147.58 12.04 -12.33	152.23 12.80 -5.85	151.56 9.31 -43.82	146.50 12.33 -4.90	151.81 13.03 0.00	194.58 15.28 -4.30	181.31 10.90 -49.12	160.20 7.52 -74.38	180.80 15.02 -4.44	167.14 10.54 -46.79	166.78 10.11 -48.51	171.14 14.02 0.00
N.TROY___115KV_TB1 355778	161.49 3.00 -108.75	146.02 8.10 0.00	163.22 8.99 0.00	165.85 8.49 0.00	169.49 8.62 -13.88	159.96 9.04 0.00	257.06 12.67 0.00	270.93 13.45 0.00	227.14 11.85 0.00	187.84 10.09 0.00	179.86 4.93 -92.35	169.78 4.96 -76.63	145.37 6.90 -15.27	148.52 7.70 -7.24	158.31 5.65 -54.24	142.82 7.49 -6.06	146.70 7.92 0.00	190.64 10.30 -5.33	189.39 7.14 -60.97	175.01 4.40 -92.32	175.90 9.05 -5.51	174.18 6.31 -58.05	174.66 6.31 -60.19	166.35 9.23 0.00
NARROWS_GT1_1 24228	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_2 24229	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_3 24230	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_4 24231	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27

NARROWS_GT1_5 24232	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_6 24233	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_7 24234	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT1_8 24235	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_1 24236	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_2 24237	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_3 24238	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_4 24239	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_5 24240	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_6 24241	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_7 24242	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NARROWS_GT2_8 24243	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	186.93 8.36 -95.99	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1429.93 16.34 -1252.26	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	155.62 3.58 -102.30	148.01 10.08 0.00	165.57 11.34 0.00	168.20 10.84 0.00	170.79 10.74 -13.07	162.08 11.17 0.00	261.62 17.23 0.00	276.07 18.58 0.00	230.70 15.41 0.00	190.49 12.73 0.00	174.86 5.35 -86.93	165.96 5.64 -72.13	145.29 7.72 -14.37	148.77 8.37 -6.82	155.73 6.25 -51.06	143.67 8.69 -5.70	148.58 9.80 0.00	192.60 12.58 -5.02	187.13 8.51 -57.34	170.34 5.22 -86.82	177.53 11.01 -5.19	171.58 7.17 -54.60	171.72 6.96 -56.60	167.53 10.40 0.00
NCHELSEA_115KV_TR2 355582	141.67 4.11 -87.81	148.89 10.96 0.00	166.37 12.15 0.00	169.01 11.64 0.00	169.99 11.78 -11.23	163.28 12.36 0.00	262.41 18.02 0.00	276.89 19.41 0.00	232.32 17.03 0.00	193.18 15.43 0.00	164.84 7.58 -74.69	158.25 8.08 -61.98	146.76 11.21 -12.35	151.56 12.12 -5.86	151.19 8.89 -43.87	145.87 11.69 -4.90	151.50 12.72 0.00	195.12 15.82 -4.30	181.63 11.15 -49.20	159.98 7.19 -74.49	180.67 14.88 -4.45	166.70 10.03 -46.85	166.52 9.78 -48.58	170.73 13.61 0.00
NEG CAPITAL___MECHNVIL 23645	163.63 3.78 -110.11	148.18 10.26 0.00	165.73 11.51 0.00	168.40 11.04 0.00	172.02 10.98 -14.06	162.57 11.65 0.00	261.95 17.56 0.00	276.30 18.81 0.00	231.43 16.14 0.00	190.75 13.00 0.00	182.10 6.01 -93.52	171.95 6.15 -77.60	147.21 8.55 -15.46	150.52 9.60 -7.33	160.48 7.13 -54.92	145.02 9.61 -6.14	149.53 10.75 0.00	194.43 14.03 -5.40	192.70 9.69 -61.73	177.77 6.00 -93.47	179.18 12.26 -5.58	176.99 8.40 -58.78	177.34 8.25 -60.93	169.00 11.87 0.00

NEG CENTRAL_HIGH_ACRES 23767	57.32 -2.42 -9.99	131.21 -6.72 0.00	146.80 -7.43 0.00	149.69 -7.67 0.00	140.19 -7.14 -0.34	143.10 -7.31 0.50	232.67 -11.72 0.00	244.77 -12.71 0.00	204.34 -10.51 0.44	168.87 -8.88 0.00	86.41 -4.50 -8.33	91.01 -4.49 -7.31	118.65 -6.00 -1.46	128.74 -5.53 -0.69	99.98 -3.62 -5.18	123.90 -5.19 0.18	131.95 -5.99 0.83	164.00 -7.77 3.23	120.44 -5.59 -4.75	83.05 -3.93 -8.69	152.99 -8.44 -0.10	109.47 -5.77 -5.43	108.27 -5.54 -5.64	149.78 -7.35 0.00
NEG CENTRAL___DRP 24199	59.81 -0.74 -10.80	135.48 -2.44 0.00	151.80 -2.43 0.00	154.43 -2.94 0.00	144.36 -2.53 0.09	147.79 -2.33 0.79	240.91 -3.49 0.00	254.54 -2.94 0.00	212.39 -2.19 0.71	175.56 -2.20 0.00	90.07 -1.43 -8.93	95.04 -1.20 -8.05	123.31 -1.50 -1.60	133.37 -0.97 -0.76	103.57 -0.55 -5.69	129.21 -0.69 -0.64	138.01 -0.77 0.00	171.58 -1.11 2.31	126.25 -0.71 -5.69	87.45 -0.52 -9.67	159.56 -1.87 -0.09	114.38 -1.35 -5.92	112.90 -1.43 -6.16	155.18 -1.95 0.00
NEG CENTRAL___INDECK 23768	62.76 -0.80 -13.81	135.81 -2.11 0.00	152.51 -1.72 0.00	154.83 -2.54 0.00	143.01 -2.47 1.50	145.06 -4.10 1.76	231.89 -12.50 0.00	245.29 -12.20 0.00	204.29 -9.40 1.61	169.77 -7.99 0.00	89.73 -4.00 -11.16	94.98 -3.93 -10.72	120.33 -4.99 -2.12	131.15 -3.44 -1.01	104.49 -1.47 -7.54	127.74 -2.37 -0.84	135.81 -2.97 0.00	165.19 -4.21 5.59	125.19 -3.01 -6.91	89.03 -2.09 -12.81	157.84 -3.19 0.30	115.09 -2.43 -7.70	113.96 -2.24 -8.04	154.24 -2.89 0.00
NEG CENTRAL___SENECA 23627	60.37 -0.91 -11.54	134.77 -3.16 0.00	151.11 -3.12 0.00	153.55 -3.81 0.00	142.33 -3.33 1.32	146.28 -3.13 1.51	239.91 -4.49 0.00	253.45 -4.03 0.00	210.88 -3.08 1.33	174.66 -3.10 0.00	89.94 -1.95 -9.32	95.45 -1.69 -8.94	122.82 -2.16 -1.78	133.03 -1.40 -0.84	103.97 -0.77 -6.32	129.02 -0.95 -0.71	137.62 -1.16 0.00	168.37 -1.83 4.81	125.84 -1.21 -5.76	88.31 -0.73 -10.74	158.52 -2.55 0.27	114.47 -1.80 -6.45	113.04 -1.85 -6.73	154.67 -2.45 0.00
NEG CENTRAL___STATE_STREET 24147	60.91 -0.25 -11.42	137.09 -0.83 0.00	153.42 -0.80 0.00	156.60 -0.76 0.00	148.80 -0.47 -2.28	151.16 -0.19 -0.44	243.51 -0.88 0.00	257.83 0.35 0.00	216.39 0.72 -0.38	178.14 0.39 0.00	92.30 -0.15 -9.87	96.06 0.01 -7.85	124.95 0.18 -1.56	134.79 0.47 -0.74	104.32 0.35 -5.55	130.27 0.38 -0.62	139.59 0.81 0.00	178.38 1.25 -2.13	128.76 0.87 -6.62	88.17 0.43 -9.43	162.79 0.62 -0.83	116.19 0.35 -6.02	114.61 0.22 -6.23	157.47 0.34 0.00
NEG MILLWOOD___DRP 24198	143.18 4.51 -88.93	149.85 11.93 0.00	167.35 13.12 0.00	170.10 12.73 0.00	171.18 12.86 -11.33	164.43 13.52 0.00	264.21 19.82 0.00	278.94 21.46 0.00	234.08 18.79 0.00	194.72 16.97 0.00	166.21 8.26 -75.39	159.49 8.75 -62.55	147.79 12.12 -12.46	152.59 13.10 -5.91	152.31 9.60 -44.28	146.83 12.61 -4.95	152.49 13.72 0.00	196.42 17.07 -4.34	182.96 12.03 -49.65	161.23 7.76 -75.18	181.91 16.08 -4.49	167.92 10.81 -47.29	167.68 10.50 -49.02	171.59 14.47 0.00
NEG NORTH_FLCN_SEA 23793	50.46 0.72 0.00	139.94 2.01 0.00	156.66 2.43 0.00	160.12 2.76 0.00	149.05 2.07 0.00	152.01 1.09 0.00	245.63 1.24 0.00	258.16 0.67 0.00	215.73 0.44 0.00	176.61 -1.15 0.00	81.51 -1.07 0.00	86.50 -1.69 0.00	120.35 -2.86 0.00	129.90 -3.69 0.00	95.79 -2.64 0.00	126.88 -2.39 0.00	137.14 -1.64 0.00	173.55 -1.45 0.00	120.40 -0.88 0.00	77.51 -0.79 0.00	159.06 -2.28 0.00	108.35 -1.46 0.00	107.18 -0.98 0.00	157.58 0.45 0.00
NEG NORTH_KES_CHATEGAY 23792	49.62 -0.12 0.00	137.76 -0.16 0.00	154.26 0.03 0.00	158.09 0.73 0.00	147.07 0.08 0.00	150.42 -0.50 0.00	244.73 0.34 0.00	256.94 -0.54 0.00	214.49 -0.80 0.00	175.65 -2.11 0.00	81.09 -1.49 0.00	86.24 -1.95 0.00	119.94 -3.26 0.00	129.40 -4.18 0.00	95.15 -3.27 0.00	126.02 -3.25 0.00	136.32 -2.46 0.00	172.55 -2.45 0.00	119.66 -1.62 0.00	77.13 -1.17 0.00	158.55 -2.79 0.00	108.00 -1.81 0.00	106.63 -1.53 0.00	155.71 -1.42 0.00
NEG NORTH___ALICE_FALLS 23915	50.78 1.03 0.00	140.77 2.85 0.00	157.61 3.39 0.00	161.14 3.77 0.00	150.12 3.14 0.00	153.27 2.35 0.00	248.37 3.98 0.00	261.16 3.67 0.00	218.12 2.83 0.00	178.57 0.82 0.00	82.29 -0.28 0.00	87.38 -0.82 0.00	121.57 -1.64 0.00	131.20 -2.38 0.00	96.76 -1.66 0.00	128.17 -1.10 0.00	138.73 -0.05 0.00	175.72 0.72 0.00	121.91 0.63 0.00	78.49 0.20 0.00	161.03 -0.31 0.00	109.66 -0.16 0.00	108.41 0.25 0.00	158.86 1.74 0.00
NEG NORTH___LWR_SARANAC 23913	50.78 1.03 0.00	140.77 2.85 0.00	157.61 3.39 0.00	161.14 3.77 0.00	150.12 3.14 0.00	153.27 2.35 0.00	248.37 3.98 0.00	261.16 3.67 0.00	218.12 2.83 0.00	178.57 0.82 0.00	82.29 -0.28 0.00	87.38 -0.82 0.00	121.57 -1.64 0.00	131.20 -2.38 0.00	96.76 -1.66 0.00	128.17 -1.10 0.00	138.73 -0.05 0.00	175.72 0.72 0.00	121.91 0.63 0.00	78.49 0.20 0.00	161.03 -0.31 0.00	109.66 -0.16 0.00	108.41 0.25 0.00	158.86 1.74 0.00
NEG NORTH___PLATTSBURG 23628	50.78 1.03 0.00	140.77 2.85 0.00	157.61 3.39 0.00	161.14 3.78 0.00	150.12 3.14 0.00	153.26 2.35 0.00	248.36 3.97 0.00	261.16 3.68 0.00	218.12 2.83 0.00	178.58 0.82 0.00	82.29 -0.28 0.00	87.37 -0.82 0.00	121.56 -1.64 0.00	131.20 -2.38 0.00	96.76 -1.66 0.00	128.18 -1.09 0.00	138.73 -0.05 0.00	175.71 0.71 0.00	121.92 0.64 0.00	78.49 0.20 0.00	161.04 -0.30 0.00	109.65 -0.17 0.00	108.41 0.24 0.00	158.87 1.74 0.00
NEG WEST_LEA_LOCKPORT 23791	57.41 -4.70 -12.36	125.28 -12.65 0.00	140.29 -13.94 0.00	142.98 -14.38 0.00	132.82 -13.80 0.36	135.54 -14.33 1.05	219.68 -24.71 0.00	228.37 -29.10 0.01	190.06 -24.12 1.11	158.56 -19.19 0.00	82.71 -9.92 -10.05	87.52 -9.91 -9.24	111.61 -13.44 -1.85	121.77 -12.69 -0.87	96.23 -8.75 -6.56	118.14 -11.86 -0.73	125.00 -13.78 0.00	153.45 -17.99 3.56	114.57 -13.09 -6.37	80.42 -9.02 -11.14	142.73 -18.50 0.10	103.93 -12.68 -6.79	103.49 -11.75 -7.07	142.85 -14.27 0.00
NEG WEST___LANCASTER 23811	60.82 -3.37 -14.44	129.36 -8.56 0.00	145.06 -9.16 0.00	147.46 -9.90 0.00	137.02 -9.31 0.65	139.71 -9.86 1.34	227.79 -16.61 0.00	238.55 -18.94 0.00	198.98 -15.20 1.11	165.74 -12.02 0.00	87.77 -6.62 -11.81	92.48 -6.53 -10.82	117.17 -8.20 -2.17	127.46 -7.15 -1.03	100.88 -5.24 -7.70	123.33 -6.80 -0.86	130.76 -8.03 0.00	160.04 -10.86 4.10	120.12 -8.61 -7.45	85.09 -6.29 -13.08	149.12 -12.18 0.04	109.14 -8.63 -7.95	108.59 -7.86 -8.28	147.91 -9.21 0.00
NEG_PENN_ALLEGHNY 23528	77.51 0.11 -27.66	138.26 0.33 0.00	154.99 0.76 0.00	157.39 0.03 0.00	149.64 0.18 -2.48	150.49 0.15 0.57	244.23 -0.16 0.00	258.01 0.53 0.00	215.84 1.06 0.51	178.70 0.95 0.00	106.29 0.31 -23.41	108.69 0.62 -19.88	128.35 1.18 -3.96	137.03 1.57 -1.88	113.85 1.35 -14.07	133.08 1.81 -2.00	140.73 1.48 -0.48	176.60 1.18 -0.42	137.82 0.91 -15.63	102.70 0.43 -23.97	163.49 1.00 -1.15	125.45 0.71 -14.92	124.35 0.71 -15.48	158.18 1.05 0.00
NEG___GEN_MONROE 24207	58.22 -1.83 -10.31	132.88 -5.04 0.00	148.74 -5.49 0.00	151.69 -5.67 0.00	141.58 -5.40 0.00	144.61 -5.60 0.71	235.07 -9.33 0.00	246.43 -11.05 0.00	205.61 -9.07 0.61	170.35 -7.40 0.00	86.93 -4.17 -8.53	91.69 -4.13 -7.63	119.28 -5.45 -1.52	129.89 -4.41 -0.72	100.98 -2.85 -5.41	125.88 -3.99 -0.60	134.03 -4.75 0.00	166.92 -6.06 2.02	122.26 -4.46 -5.44	84.21 -3.28 -9.19	154.44 -7.02 -0.12	110.62 -4.84 -5.63	109.50 -4.52 -5.86	151.70 -5.42 0.00

NEPA__ENERGY 23901	59.86 -3.51 -13.61	128.04 -9.89 0.00	143.78 -10.45 0.00	146.80 -10.56 0.00	136.46 -9.90 0.62	139.24 -10.40 1.27	227.71 -16.68 0.00	238.79 -18.69 0.00	199.58 -14.65 1.06	166.47 -11.28 0.00	87.44 -6.27 -11.13	92.30 -6.11 -10.21	116.70 -8.55 -2.04	127.05 -7.50 -0.97	100.65 -5.03 -7.26	123.34 -6.74 -0.81	130.60 -8.17 0.00	160.18 -10.94 3.88	120.13 -8.18 -7.02	84.69 -5.94 -12.34	149.18 -12.12 0.04	109.03 -8.29 -7.50	108.24 -7.73 -7.81	147.73 -9.39 0.00
NEVERSINK__HYD 23608	132.16 3.09 -79.32	146.22 8.30 0.00	163.42 9.19 0.00	166.14 8.78 0.00	166.20 9.04 -10.18	160.53 9.61 0.00	258.92 14.52 0.00	273.33 15.85 0.00	229.43 14.14 0.00	190.33 12.58 0.00	156.40 6.10 -67.73	150.84 6.45 -56.20	143.11 8.71 -11.20	148.31 9.41 -5.31	145.18 6.97 -39.78	142.91 9.20 -4.45	149.07 10.28 0.00	191.82 12.91 -3.90	175.00 9.11 -44.62	151.76 5.90 -67.56	177.54 12.17 -4.04	160.45 8.15 -42.49	160.08 7.87 -44.05	167.84 10.72 0.00
NEWKRMKL_115KV_TB1 55635	159.84 2.18 -107.91	143.83 5.91 0.00	160.84 6.61 0.00	163.57 6.21 0.00	167.17 6.41 -13.77	157.38 6.46 0.00	253.18 8.78 0.00	266.72 9.24 0.00	223.19 7.90 0.00	185.16 7.40 0.00	177.67 3.46 -91.63	167.94 3.71 -76.04	143.75 5.40 -15.15	146.66 5.89 -7.18	156.60 4.36 -53.82	140.90 5.62 -6.01	144.63 5.85 0.00	187.31 7.01 -5.29	186.58 4.83 -60.47	172.88 3.01 -91.56	172.99 6.18 -5.47	171.66 4.26 -57.58	171.99 4.14 -59.69	163.25 6.12 0.00
NEWTON__FALLS_HYD 23847	52.21 0.24 -2.24	138.45 0.52 0.00	155.36 1.14 0.00	159.49 2.13 0.00	148.34 1.07 -0.29	151.57 0.65 0.00	246.20 1.80 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.89 -2.62 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.34 -2.05 -0.12	137.59 -1.19 0.00	173.85 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.78 -0.23 -1.19	109.47 0.07 -1.24	158.02 0.90 0.00
NGRID_A1_DSASP 323792	57.47 -4.87 -12.59	124.33 -13.60 0.00	139.19 -15.03 0.00	141.94 -15.42 0.00	131.72 -14.88 0.39	134.21 -15.63 1.07	217.78 -26.61 0.00	226.03 -31.45 0.00	188.38 -26.00 0.91	156.75 -21.00 0.00	82.29 -10.62 -10.33	86.93 -10.67 -9.41	110.62 -14.46 -1.88	120.72 -13.75 -0.89	95.69 -9.41 -6.68	115.02 -12.85 1.41	121.59 -14.81 2.37	147.11 -19.19 8.69	111.94 -14.14 -4.80	79.65 -9.70 -11.05	141.08 -19.93 0.33	103.16 -13.58 -6.92	102.72 -12.64 -7.20	141.44 -15.68 0.00
NGRID_A2_DSASP 323793	57.47 -4.87 -12.59	124.33 -13.60 0.00	139.19 -15.03 0.00	141.94 -15.42 0.00	131.72 -14.88 0.39	134.21 -15.63 1.07	217.78 -26.61 0.00	226.03 -31.45 0.00	188.38 -26.00 0.91	156.75 -21.00 0.00	82.29 -10.62 -10.33	86.93 -10.67 -9.41	110.62 -14.46 -1.88	120.72 -13.75 -0.89	95.69 -9.41 -6.68	115.02 -12.85 1.41	121.59 -14.81 2.37	147.11 -19.19 8.69	111.94 -14.14 -4.80	79.65 -9.70 -11.05	141.08 -19.93 0.33	103.16 -13.58 -6.92	102.72 -12.64 -7.20	141.44 -15.68 0.00
NGRID_A4_DSASP 323807	57.47 -4.87 -12.59	124.33 -13.60 0.00	139.19 -15.03 0.00	141.94 -15.42 0.00	131.72 -14.88 0.39	134.21 -15.63 1.07	217.78 -26.61 0.00	226.03 -31.45 0.00	188.38 -26.00 0.91	156.75 -21.00 0.00	82.29 -10.62 -10.33	86.93 -10.67 -9.41	110.62 -14.46 -1.88	120.72 -13.75 -0.89	95.69 -9.41 -6.68	115.02 -12.85 1.41	121.59 -14.81 2.37	147.11 -19.19 8.69	111.94 -14.14 -4.80	79.65 -9.70 -11.05	141.08 -19.93 0.33	103.16 -13.58 -6.92	102.72 -12.64 -7.20	141.44 -15.68 0.00
NIAGARA_115E_LBMP 323715	57.42 -4.95 -12.62	124.61 -13.32 0.00	139.49 -14.74 0.00	142.20 -15.16 0.00	132.06 -14.53 0.40	134.68 -15.16 1.08	217.42 -26.97 0.00	225.57 -31.91 0.00	187.88 -26.52 0.90	156.50 -21.25 0.00	82.09 -10.84 -10.36	86.69 -10.94 -9.43	110.21 -14.87 -1.88	120.27 -14.21 -0.89	95.31 -9.81 -6.70	114.50 -13.42 1.36	121.08 -15.38 2.32	146.45 -19.98 8.57	111.57 -14.57 -4.86	79.40 -9.98 -11.08	140.79 -20.23 0.31	102.93 -13.82 -6.93	102.55 -12.83 -7.22	141.79 -15.34 0.00
NIAGARA_115W_LBMP 323714	57.40 -4.93 -12.57	124.14 -13.78 0.00	139.03 -15.20 0.00	141.73 -15.63 0.00	131.55 -15.06 0.38	134.01 -15.83 1.07	217.42 -26.98 0.00	225.66 -31.82 0.00	188.06 -26.33 0.91	156.52 -21.24 0.00	82.16 -10.73 -10.32	86.79 -10.80 -9.40	110.46 -14.62 -1.88	120.53 -13.94 -0.89	95.50 -9.59 -6.67	114.82 -13.05 1.41	121.36 -15.05 2.37	146.91 -19.41 8.68	111.74 -14.34 -4.79	79.49 -9.84 -11.03	140.84 -20.17 0.32	102.96 -13.77 -6.91	102.54 -12.81 -7.19	141.19 -15.93 0.00
NIAGARA_230_LBMP 323716	57.64 -4.54 -12.43	125.55 -12.37 0.00	140.63 -13.59 0.00	143.34 -14.02 0.00	133.15 -13.49 0.35	135.64 -14.23 1.04	220.02 -24.37 0.00	228.65 -28.83 0.00	190.49 -23.90 0.90	158.56 -19.20 0.00	83.08 -9.69 -10.20	87.78 -9.69 -9.28	111.91 -13.15 -1.85	122.05 -12.41 -0.88	96.61 -8.40 -6.58	116.27 -11.58 1.42	122.93 -13.47 2.38	148.69 -17.68 8.63	113.08 -12.92 -4.72	80.32 -8.87 -10.89	142.60 -18.41 0.32	104.24 -12.40 -6.83	103.79 -11.48 -7.11	142.87 -14.25 0.00
NIAGARA__115KV_198_GIBSON 55903	57.36 -4.97 -12.57	124.15 -13.77 0.00	139.03 -15.20 0.00	141.76 -15.60 0.00	131.60 -15.00 0.38	134.04 -15.80 1.07	217.54 -26.85 0.00	225.84 -31.65 0.00	188.26 -26.13 0.91	156.64 -21.11 0.00	82.15 -10.75 -10.32	86.82 -10.77 -9.40	110.54 -14.54 -1.88	120.58 -13.90 -0.89	95.48 -9.61 -6.67	117.08 -12.93 -0.74	123.68 -15.09 0.00	152.31 -19.48 3.21	113.53 -14.29 -6.54	79.79 -9.84 -11.33	141.24 -20.12 -0.02	102.97 -13.76 -6.91	102.54 -12.81 -7.19	141.25 -15.87 0.00
NIAGARA____ 23760	57.82 -4.54 -12.61	125.55 -12.37 0.00	140.63 -13.59 0.00	143.34 -14.02 0.00	133.13 -13.49 0.37	135.63 -14.23 1.06	220.02 -24.37 0.00	228.65 -28.83 0.00	190.49 -23.90 0.90	158.56 -19.20 0.00	83.19 -9.69 -10.31	87.88 -9.69 -9.38	111.93 -13.15 -1.87	122.06 -12.41 -0.89	96.67 -8.40 -6.65	116.30 -11.58 1.39	122.95 -13.47 2.36	148.71 -17.68 8.61	113.13 -12.92 -4.78	80.41 -8.87 -10.98	142.61 -18.41 0.32	104.30 -12.40 -6.89	103.87 -11.48 -7.18	142.87 -14.25 0.00
NINE_MILE_1 23575	53.36 -1.78 -5.39	132.89 -5.03 0.00	148.68 -5.55 0.00	151.55 -5.81 0.00	142.39 -5.28 -0.69	145.55 -5.37 0.00	235.44 -8.95 0.00	248.14 -9.34 0.00	207.68 -7.61 0.00	171.58 -6.17 0.00	84.24 -2.92 -4.59	88.92 -3.08 -3.81	119.68 -4.28 -0.76	129.53 -4.41 -0.36	97.97 -3.14 -2.70	125.38 -4.20 -0.30	134.23 -4.55 0.00	169.49 -5.78 -0.27	120.25 -4.06 -3.03	80.18 -2.70 -4.58	155.96 -5.65 -0.27	108.85 -3.85 -2.88	107.31 -3.84 -2.99	151.65 -5.48 0.00
NINE_MILE_2 23744	53.34 -1.78 -5.38	132.90 -5.02 0.00	148.68 -5.55 0.00	151.55 -5.81 0.00	142.39 -5.28 -0.69	145.56 -5.35 0.00	235.44 -8.95 0.00	248.14 -9.34 0.00	207.68 -7.61 0.00	171.58 -6.17 0.00	84.23 -2.92 -4.58	88.92 -3.08 -3.80	119.69 -4.27 -0.76	129.53 -4.41 -0.36	97.97 -3.14 -2.69	125.38 -4.20 -0.30	134.23 -4.55 0.00	169.48 -5.78 -0.26	120.24 -4.06 -3.02	80.17 -2.70 -4.57	155.96 -5.65 -0.27	108.84 -3.85 -2.87	107.32 -3.82 -2.98	151.65 -5.48 0.00
NM_CAPITAL__DRP 24208	159.66 2.31 -107.61	144.16 6.24 0.00	161.20 6.98 0.00	163.89 6.53 0.00	167.45 6.73 -13.74	157.74 6.83 0.00	253.53 9.14 0.00	267.06 9.57 0.00	223.69 8.40 0.00	185.54 7.79 0.00	177.70 3.74 -91.38	167.96 3.94 -75.83	143.98 5.66 -15.11	146.95 6.20 -7.17	156.69 4.59 -53.67	141.16 5.90 -6.00	144.85 6.07 0.00	187.72 7.44 -5.28	186.69 5.10 -60.31	172.80 3.18 -91.32	173.34 6.54 -5.45	171.81 4.56 -57.43	172.18 4.49 -59.53	163.69 6.56 0.00

NM_CENTRAL___DRP 24181	56.71 -0.76 -7.73	135.72 -2.21 0.00	151.80 -2.43 0.00	154.67 -2.70 0.00	145.60 -2.38 -0.99	148.65 -2.73 0.00	240.66 -3.73 0.00	253.89 -3.59 0.00	212.59 -2.71 0.00	175.71 -2.04 0.00	88.16 -0.99 -6.59	92.66 -1.00 -5.46	122.93 -1.36 -1.09	132.90 -1.20 -0.52	101.54 -0.75 -3.87	128.71 -1.00 -0.43	137.62 -1.16 0.00	173.73 -1.65 -0.38	124.44 -1.18 -4.34	83.97 -0.90 -6.57	159.78 -1.95 -0.39	112.57 -1.38 -4.13	110.98 -1.46 -4.28	155.01 -2.11 0.00
NM_FRONTIER___DRP 24179	57.36 -4.97 -12.57	124.15 -13.77 0.00	139.03 -15.20 0.00	141.76 -15.60 0.00	131.60 -15.00 0.38	134.04 -15.80 1.07	217.54 -26.85 0.00	225.84 -31.65 0.00	188.26 -26.13 0.91	156.64 -21.11 0.00	82.15 -10.75 -10.32	86.82 -10.77 -9.40	110.54 -14.54 -1.88	120.58 -13.90 -0.89	95.48 -9.61 -6.67	117.08 -12.93 -0.74	123.68 -15.09 0.00	152.31 -19.48 3.21	113.53 -14.29 -6.54	79.79 -9.84 -11.33	141.24 -20.12 -0.02	102.97 -13.76 -6.91	102.54 -12.81 -7.19	141.25 -15.87 0.00
NM_ST_REGIS___HYD 24053	49.23 -0.51 0.00	136.53 -1.39 0.00	153.36 -0.87 0.00	158.06 0.70 0.00	146.34 -0.64 0.00	149.16 -1.76 0.00	242.20 -2.19 0.00	254.87 -2.61 0.00	212.15 -3.14 0.00	173.22 -4.53 0.00	79.86 -2.71 0.00	84.88 -3.32 0.00	118.12 -5.08 0.00	127.52 -6.07 0.00	93.87 -4.55 0.00	124.03 -5.24 0.00	133.90 -4.88 0.00	169.01 -5.99 0.00	117.08 -4.20 0.00	75.73 -2.57 0.00	156.50 -4.84 0.00	107.35 -2.46 0.00	106.16 -2.00 0.00	155.40 -1.72 0.00
NORTHPORT___1 23551	142.38 4.18 -88.46	153.17 11.65 -3.59	165.67 11.44 0.00	166.95 9.59 0.00	169.93 11.73 -11.21	162.31 11.39 0.00	258.55 14.16 0.00	274.55 17.07 0.00	230.16 14.87 0.00	192.46 14.70 0.00	164.96 7.81 -74.57	158.70 7.52 -62.98	149.87 11.58 -15.09	155.22 12.98 -8.65	154.90 9.09 -47.39	153.00 12.07 -11.66	181.46 12.98 -29.69	194.33 15.03 -4.30	181.32 10.93 -49.11	160.46 7.20 -74.96	180.17 14.39 -4.44	165.66 9.07 -46.77	164.82 8.18 -48.49	168.16 11.04 0.00
NORTHPORT___2 23552	142.38 4.18 -88.46	153.17 11.65 -3.59	165.67 11.44 0.00	166.95 9.59 0.00	169.93 11.73 -11.21	162.31 11.39 0.00	258.55 14.16 0.00	274.55 17.07 0.00	230.16 14.87 0.00	192.46 14.70 0.00	164.96 7.81 -74.57	158.70 7.52 -62.98	149.87 11.58 -15.09	155.22 12.98 -8.65	154.90 9.09 -47.39	153.00 12.07 -11.66	181.46 12.98 -29.69	194.33 15.03 -4.30	181.32 10.93 -49.11	160.46 7.20 -74.96	180.17 14.39 -4.44	165.66 9.07 -46.77	164.82 8.18 -48.49	168.16 11.04 0.00
NORTHPORT___3 23553	142.24 4.03 -88.46	152.62 11.10 -3.59	164.92 10.70 0.00	165.91 8.55 0.00	168.88 10.68 -11.21	161.27 10.36 0.00	257.16 12.77 0.00	272.99 15.51 0.00	229.14 13.85 0.00	191.33 13.58 0.00	164.48 7.33 -74.57	158.34 7.19 -62.95	149.56 11.32 -15.04	154.83 12.63 -8.62	154.55 8.76 -47.37	152.28 11.41 -11.60	180.54 12.10 -29.66	193.36 14.06 -4.30	180.55 10.17 -49.11	159.95 6.70 -74.96	179.22 13.44 -4.44	164.97 8.38 -46.77	164.33 7.68 -48.49	167.97 10.84 0.00
NORTHPORT___4 23650	142.24 4.03 -88.46	152.62 11.10 -3.59	164.92 10.70 0.00	165.91 8.55 0.00	168.88 10.68 -11.21	161.27 10.36 0.00	257.16 12.77 0.00	272.99 15.51 0.00	229.14 13.85 0.00	191.33 13.58 0.00	164.48 7.33 -74.57	158.34 7.19 -62.95	149.56 11.32 -15.04	154.83 12.63 -8.62	154.55 8.76 -47.37	152.28 11.41 -11.60	180.54 12.10 -29.66	193.36 14.06 -4.30	180.55 10.17 -49.11	159.95 6.70 -74.96	179.22 13.44 -4.44	164.97 8.38 -46.77	164.33 7.68 -48.49	167.97 10.84 0.00
NORTHPORT___IC 23718	142.38 4.18 -88.46	153.17 11.66 -3.59	165.71 11.48 0.00	166.96 9.60 0.00	169.93 11.73 -11.21	162.32 11.40 0.00	258.55 14.16 0.00	274.58 17.10 0.00	230.16 14.87 0.00	192.46 14.70 0.00	164.95 7.81 -74.57	158.69 7.51 -62.98	149.87 11.58 -15.09	155.19 12.96 -8.65	154.91 9.09 -47.39	153.01 12.08 -11.66	181.43 12.95 -29.69	194.34 15.04 -4.30	181.30 10.92 -49.11	160.43 7.18 -74.96	180.17 14.39 -4.44	165.61 9.02 -46.77	164.83 8.18 -48.49	168.16 11.03 0.00
NORTH___COUNTRY_ESR 323785	49.40 -0.34 0.00	137.16 -0.76 0.00	153.62 -0.60 0.00	157.44 0.07 0.00	146.40 -0.58 0.00	149.79 -1.13 0.00	243.79 -0.60 0.00	255.91 -1.57 0.00	213.51 -1.78 0.00	175.04 -2.71 0.00	80.86 -1.71 0.00	86.02 -2.17 0.00	119.71 -3.49 0.00	129.20 -4.39 0.00	95.06 -3.37 0.00	125.78 -3.49 0.00	135.80 -2.98 0.00	171.72 -3.28 0.00	119.08 -2.20 0.00	76.76 -1.54 0.00	157.86 -3.47 0.00	107.52 -2.29 0.00	106.18 -1.99 0.00	155.04 -2.09 0.00
NPX_GEN_1385_PROXY 323591	141.77 3.56 -88.46	151.95 10.43 -3.59	163.94 9.71 0.00	165.29 7.93 0.00	170.69 12.50 -11.21	162.64 11.72 0.00	259.99 15.60 0.00	273.76 16.27 0.00	228.28 12.99 0.00	192.59 14.83 0.00	164.45 7.31 -74.57	157.63 6.45 -62.98	147.34 9.05 -15.09	152.24 10.01 -8.65	152.40 6.59 -47.39	150.99 10.07 -11.66	179.89 11.41 -29.69	192.51 13.21 -4.30	180.56 10.17 -49.11	159.95 6.69 -74.96	179.03 13.25 -4.44	164.52 7.93 -46.77	163.42 6.77 -48.49	165.77 8.65 0.00
NPX_GEN_CSC 323557	143.05 4.84 -88.46	154.86 13.35 -3.59	167.68 13.45 0.00	169.21 11.85 0.00	171.76 13.57 -11.21	164.19 13.27 0.00	258.50 14.11 0.00	274.92 17.44 0.00	230.41 15.12 0.00	192.94 15.19 0.00	165.86 8.71 -74.57	158.83 7.46 -63.18	149.66 11.09 -15.37	154.64 12.27 -8.79	154.71 8.76 -47.53	153.48 12.25 -11.96	183.41 14.74 -29.88	194.70 15.40 -4.30	182.03 11.64 -49.11	160.69 7.44 -74.96	180.65 14.87 -4.44	165.49 8.90 -46.77	164.56 7.91 -48.49	167.75 10.62 0.00
NSINS_S___GLNS_FALLS 23858	165.14 4.49 -110.91	150.16 12.23 0.00	167.95 13.72 0.00	170.48 13.12 0.00	174.25 13.10 -14.16	165.06 14.14 0.00	266.19 21.79 0.00	280.54 23.06 0.00	235.83 20.54 0.00	193.54 15.79 0.00	183.65 6.91 -94.18	173.31 6.97 -78.14	148.70 9.94 -15.56	152.32 11.36 -7.38	162.00 8.30 -55.28	146.74 11.29 -6.18	151.78 13.01 0.00	197.58 17.14 -5.44	195.27 11.83 -62.16	179.76 7.35 -94.11	181.71 14.75 -5.62	179.07 10.08 -59.18	179.48 9.96 -61.35	171.71 14.58 0.00
NUCOR_STEEL___DRP 24197	60.47 -0.27 -11.00	137.08 -0.84 0.00	153.38 -0.84 0.00	156.59 -0.77 0.00	148.86 -0.47 -2.34	151.22 -0.19 -0.50	243.45 -0.94 0.00	257.63 0.15 0.00	216.21 0.49 -0.43	178.04 0.28 0.00	92.01 -0.11 -9.54	95.75 0.04 -7.52	124.88 0.18 -1.50	134.74 0.45 -0.71	104.05 0.30 -5.32	130.18 0.32 -0.60	139.54 0.76 0.00	178.46 1.13 -2.33	128.44 0.74 -6.41	87.70 0.36 -9.04	162.79 0.61 -0.84	115.92 0.31 -5.79	114.37 0.22 -5.98	157.47 0.34 0.00
NUMBER_THREE_WT_PWR 323818	54.38 1.61 -3.03	142.23 4.31 0.00	159.24 5.02 0.00	162.64 5.28 0.00	152.06 4.68 -0.39	155.91 5.00 0.00	253.84 9.45 0.00	268.59 11.11 0.00	224.37 9.08 0.00	184.58 6.83 0.00	87.77 2.62 -2.58	92.57 2.24 -2.14	125.80 2.17 -0.43	136.09 2.31 -0.20	101.88 1.94 -1.51	132.85 3.41 -0.17	143.80 5.02 0.00	182.02 6.87 -0.15	127.33 4.35 -1.70	83.08 2.21 -2.57	166.33 4.84 -0.15	115.21 3.78 -1.62	113.47 3.63 -1.68	162.69 5.57 0.00
NYISO_LBMP_REFERENCE 24008	49.74 0.00 0.00	137.92 0.00 0.00	154.23 0.00 0.00	157.36 0.00 0.00	146.98 0.00 0.00	150.91 0.00 0.00	244.39 0.00 0.00	257.48 0.00 0.00	215.29 0.00 0.00	177.75 0.00 0.00	82.57 0.00 0.00	88.19 0.00 0.00	123.20 0.00 0.00	133.58 0.00 0.00	98.42 0.00 0.00	129.27 0.00 0.00	138.78 0.00 0.00	175.00 0.00 0.00	121.28 0.00 0.00	78.30 0.00 0.00	161.34 0.00 0.00	109.82 0.00 0.00	108.16 0.00 0.00	157.12 0.00 0.00

NYPA_BRENTWD____GT 24164	143.14 4.94 -88.46	155.15 13.64 -3.59	168.01 13.79 0.00	169.54 12.18 0.00	172.08 13.89 -11.21	164.70 13.78 0.00	262.29 17.90 0.00	279.08 21.60 0.00	234.11 18.82 0.00	195.52 17.77 0.00	166.36 9.22 -74.57	160.57 8.96 -63.41	152.22 13.32 -15.71	157.33 14.79 -8.95	156.65 10.53 -47.70	155.73 14.13 -12.33	184.37 15.49 -30.11	197.61 18.32 -4.30	183.63 13.24 -49.11	161.88 8.63 -74.96	183.11 17.33 -4.44	167.62 11.03 -46.77	166.73 10.08 -48.49	170.81 13.69 0.00
NYPA_GOWANUS____GT5 24156	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NYPA_GOWANUS____GT6 24157	142.63 4.40 -88.49	149.49 11.56 0.00	166.91 12.68 0.00	250.93 12.46 -81.11	198.90 12.42 -39.49	172.22 12.97 -8.34	331.21 19.09 -67.73	352.66 20.02 -75.16	312.12 18.06 -78.76	264.69 17.28 -69.66	190.55 8.36 -99.62	335.95 8.87 -238.89	452.64 12.39 -317.04	291.88 13.29 -145.01	228.11 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.85 7.79 -155.75	1443.12 16.34 -1265.45	214.63 10.91 -93.90	213.66 10.49 -95.01	214.67 14.27 -43.27
NYPA_HARLEM__RVR__GT1 24160	142.24 4.01 -88.49	148.36 10.44 0.00	165.68 11.45 0.00	168.58 11.22 0.00	169.55 11.35 -11.21	162.73 11.82 0.00	261.35 16.96 0.00	275.55 18.06 0.00	231.71 16.42 0.00	193.39 15.63 0.00	164.82 7.64 -74.61	158.20 8.11 -61.90	147.27 11.73 -12.33	151.88 12.45 -5.85	151.29 9.05 -43.82	146.15 11.98 -4.90	151.48 12.70 0.00	194.21 14.91 -4.30	181.08 10.67 -49.12	159.99 7.31 -74.38	180.46 14.68 -4.44	166.86 10.26 -46.79	166.45 9.78 -48.51	170.75 13.63 0.00
NYPA_HARLEM__RVR__GT2 24161	142.24 4.01 -88.49	148.36 10.44 0.00	165.68 11.45 0.00	168.58 11.22 0.00	169.55 11.35 -11.21	162.73 11.82 0.00	261.35 16.96 0.00	275.55 18.06 0.00	231.71 16.42 0.00	193.39 15.63 0.00	164.82 7.64 -74.61	158.20 8.11 -61.90	147.27 11.73 -12.33	151.88 12.45 -5.85	151.29 9.05 -43.82	146.15 11.98 -4.90	151.48 12.70 0.00	194.21 14.91 -4.30	181.08 10.67 -49.12	159.99 7.31 -74.38	180.46 14.68 -4.44	166.86 10.26 -46.79	166.45 9.78 -48.51	170.75 13.63 0.00
NYPA_KENT____GT 24152	142.55 4.32 -88.49	149.26 11.33 0.00	166.67 12.44 0.00	217.13 12.15 -47.62	187.03 12.22 -27.82	168.58 12.77 -4.90	302.81 18.65 -39.77	321.07 19.46 -44.13	279.12 17.58 -46.25	235.49 16.84 -40.90	177.97 8.22 -87.18	262.76 8.75 -165.82	326.66 12.22 -191.24	234.27 13.14 -87.55	196.54 9.59 -88.53	504.98 12.70 -363.01	186.09 13.58 -33.73	227.46 16.23 -36.22	207.85 11.41 -75.16	208.07 7.61 -122.16	914.42 15.93 -737.15	195.02 10.75 -74.45	194.28 10.30 -75.81	196.56 14.03 -25.41
NYPA_POUCH1____GT 24155	142.46 4.23 -88.49	149.10 11.18 0.00	166.50 12.28 0.00	250.44 11.97 -81.11	198.19 11.72 -39.49	155.15 12.18 7.95	184.12 17.77 78.04	229.86 18.68 46.31	212.74 16.91 19.46	156.22 16.32 37.85	166.28 8.01 -75.70	233.97 8.41 -137.37	285.53 11.73 -150.61	291.27 12.68 -145.01	227.69 9.29 -119.98	756.39 12.30 -614.82	209.40 13.17 -57.45	249.52 15.85 -58.67	226.00 11.27 -93.46	241.57 7.52 -155.75	1427.54 15.63 -1250.58	214.11 10.39 -93.90	213.13 9.96 -95.01	213.92 13.53 -43.27
NYPA_VERNON____GT2 24162	142.46 4.23 -88.49	149.02 11.10 0.00	166.39 12.16 0.00	183.37 11.88 -14.13	175.09 11.96 -16.14	164.94 12.58 -1.45	274.42 18.22 -11.81	289.78 19.20 -13.10	246.37 17.35 -13.73	206.44 16.54 -12.14	169.14 8.20 -78.37	189.65 8.71 -92.75	200.83 12.19 -65.44	176.79 13.10 -30.10	165.07 9.55 -57.09	253.14 12.67 -111.20	162.32 13.52 -10.01	204.90 16.13 -13.77	189.50 11.37 -56.85	174.39 7.53 -88.56	399.03 15.65 -222.05	175.46 10.65 -55.00	175.02 10.24 -56.61	178.62 13.95 -7.54
NYPA_VERNON____GT3 24163	142.46 4.23 -88.49	149.02 11.10 0.00	166.39 12.16 0.00	183.37 11.88 -14.13	175.09 11.96 -16.14	164.94 12.58 -1.45	274.42 18.22 -11.81	289.78 19.20 -13.10	246.37 17.35 -13.73	206.44 16.54 -12.14	169.14 8.20 -78.37	189.65 8.71 -92.75	200.83 12.19 -65.44	176.79 13.10 -30.10	165.07 9.55 -57.09	253.14 12.67 -111.20	162.32 13.52 -10.01	204.90 16.13 -13.77	189.50 11.37 -56.85	174.39 7.53 -88.56	399.03 15.65 -222.05	175.46 10.65 -55.00	175.02 10.24 -56.61	178.62 13.95 -7.54
NYPA__ASTORIA_CC1 323568	142.40 4.17 -88.49	148.81 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.17 17.77 0.00	276.20 18.72 0.00	232.23 16.94 0.00	193.98 16.22 0.00	165.28 8.10 -74.61	158.70 8.60 -61.90	147.56 12.02 -12.33	152.31 12.88 -5.85	151.62 9.38 -43.82	146.60 12.43 -4.90	152.07 13.29 0.00	195.12 15.82 -4.30	181.60 11.20 -49.12	160.12 7.44 -74.38	181.22 15.44 -4.44	167.12 10.52 -46.79	166.76 10.09 -48.51	170.92 13.80 0.00
NYPA__ASTORIA_CC2 323569	142.40 4.17 -88.49	148.81 10.88 0.00	166.16 11.94 0.00	169.01 11.65 0.00	169.97 11.77 -11.21	163.24 12.32 0.00	262.17 17.77 0.00	276.20 18.72 0.00	232.23 16.94 0.00	193.98 16.22 0.00	165.28 8.10 -74.61	158.70 8.60 -61.90	147.56 12.02 -12.33	152.31 12.88 -5.85	151.62 9.38 -43.82	146.60 12.43 -4.90	152.07 13.29 0.00	195.12 15.82 -4.30	181.60 11.20 -49.12	160.12 7.44 -74.38	181.22 15.44 -4.44	167.12 10.52 -46.79	166.76 10.09 -48.51	170.92 13.80 0.00
NYPA__HOLTSVILL 23794	142.88 4.68 -88.46	154.40 12.89 -3.59	167.23 13.00 0.00	168.74 11.38 0.00	171.31 13.11 -11.21	163.84 12.92 0.00	259.50 15.11 0.00	276.73 19.24 0.00	232.15 16.86 0.00	194.16 16.41 0.00	165.83 8.69 -74.57	159.58 8.23 -63.16	150.82 12.28 -15.34	155.99 13.63 -8.77	155.63 9.69 -47.52	154.31 13.11 -11.93	183.24 14.60 -29.86	196.16 16.87 -4.30	182.67 12.28 -49.11	161.24 7.98 -74.96	181.84 16.06 -4.44	166.69 10.11 -46.77	165.81 9.16 -48.49	169.67 12.55 0.00
NYPA__HELLGATE_GT1 24158	142.24 4.01 -88.49	148.36 10.44 0.00	165.68 11.45 0.00	168.58 11.22 0.00	169.55 11.35 -11.21	162.73 11.82 0.00	261.35 16.96 0.00	275.55 18.06 0.00	231.71 16.42 0.00	193.39 15.63 0.00	164.82 7.64 -74.61	158.20 8.11 -61.90	147.27 11.73 -12.33	151.88 12.45 -5.85	151.29 9.05 -43.82	146.15 11.98 -4.90	151.48 12.70 0.00	194.21 14.91 -4.30	181.08 10.67 -49.12	159.99 7.31 -74.38	180.46 14.68 -4.44	166.86 10.26 -46.79	166.45 9.78 -48.51	170.75 13.63 0.00
NYPA__HELLGATE_GT2 24159	142.24 4.01 -88.49	148.36 10.44 0.00	165.68 11.45 0.00	168.58 11.22 0.00	169.55 11.35 -11.21	162.73 11.82 0.00	261.35 16.96 0.00	275.55 18.06 0.00	231.71 16.42 0.00	193.39 15.63 0.00	164.82 7.64 -74.61	158.20 8.11 -61.90	147.27 11.73 -12.33	151.88 12.45 -5.85	151.29 9.05 -43.82	146.15 11.98 -4.90	151.48 12.70 0.00	194.21 14.91 -4.30	181.08 10.67 -49.12	159.99 7.31 -74.38	180.46 14.68 -4.44	166.86 10.26 -46.79	166.45 9.78 -48.51	170.75 13.63 0.00
NYS_BARGE__HYD 23848	57.58 -4.43 -12.27	125.95 -11.98 0.00	141.00 -13.22 0.00	143.71 -13.64 0.00	133.58 -13.06 0.34	136.29 -13.59 1.03	220.66 -23.73 0.00	229.41 -28.07 0.00	191.28 -23.19 0.82	159.21 -18.54 0.00	83.10 -9.58 -10.10	87.74 -9.62 -9.17	112.00 -13.03 -1.83	122.21 -12.24 -0.87	96.54 -8.39 -6.51	116.59 -11.51 1.17	123.49 -13.19 2.10	150.01 -17.17 7.82	113.52 -12.62 -4.86	80.39 -8.70 -10.79	143.27 -17.82 0.25	104.40 -12.15 -6.74	103.90 -11.28 -7.02	143.50 -13.62 0.00

OAK ORCHARD___HYD 24046	57.95 -2.01 -10.22	132.29 -5.63 0.00	148.07 -6.16 0.00	150.89 -6.47 0.00	140.96 -6.04 -0.02	143.90 -6.32 0.69	233.76 -10.63 0.00	245.15 -12.33 0.00	204.70 -10.00 0.60	169.69 -8.06 0.00	86.83 -4.20 -8.46	91.65 -4.11 -7.56	119.24 -5.47 -1.51	129.60 -4.70 -0.72	100.82 -2.97 -5.36	124.49 -4.34 0.45	132.42 -5.20 1.15	163.55 -6.82 4.63	120.81 -5.02 -4.55	83.69 -3.57 -8.96	153.65 -7.64 0.05	110.20 -5.20 -5.58	109.05 -4.92 -5.81	150.93 -6.19 0.00
OAKDALE___35_KV_LOAD 356122	76.94 -0.13 -27.32	137.59 -0.33 0.00	154.27 0.04 0.00	156.64 -0.72 0.00	148.51 -0.53 -2.05	149.53 -0.60 0.78	242.82 -1.57 0.00	256.49 -0.99 0.00	214.42 -0.22 0.66	177.76 0.00 0.00	105.61 -0.06 -23.09	108.14 0.20 -19.76	127.69 0.55 -3.94	136.35 0.90 -1.87	113.27 0.86 -13.98	131.94 1.11 -1.56	139.52 0.74 0.00	173.83 0.24 1.41	136.54 0.26 -15.00	102.06 0.01 -23.75	162.42 0.13 -0.95	124.75 0.16 -14.78	123.70 0.19 -15.34	157.40 0.28 0.00
OCC_CHEM___DRP 24175	57.43 -4.91 -12.59	124.30 -13.62 0.00	139.23 -14.99 0.00	141.97 -15.39 0.00	131.77 -14.83 0.39	134.25 -15.59 1.07	217.86 -26.53 0.00	226.18 -31.30 0.00	188.58 -25.80 0.91	156.89 -20.86 0.00	82.28 -10.63 -10.33	86.96 -10.64 -9.41	110.72 -14.36 -1.88	120.79 -13.69 -0.89	95.65 -9.45 -6.68	117.27 -12.75 -0.74	123.95 -14.83 0.00	152.56 -19.22 3.22	113.72 -14.10 -6.54	79.94 -9.71 -11.35	141.49 -19.87 -0.02	103.16 -13.57 -6.92	102.71 -12.65 -7.20	141.51 -15.61 0.00
OH_GEN_PROXY 24063	57.80 -4.46 -12.51	125.78 -12.14 0.00	140.92 -13.31 0.00	143.57 -13.79 0.00	133.45 -13.20 0.33	135.89 -13.99 1.04	220.55 -23.84 0.00	229.44 -28.04 0.00	191.19 -23.21 0.90	159.12 -18.63 0.00	83.39 -9.45 -10.27	88.09 -9.43 -9.33	112.32 -12.74 -1.87	122.45 -12.02 -0.88	96.90 -8.14 -6.62	116.42 -11.23 1.62	123.15 -13.03 2.60	148.74 -17.15 9.12	113.34 -12.54 -4.60	80.60 -8.62 -10.92	143.14 -17.85 0.35	104.62 -12.06 -6.87	104.11 -11.20 -7.15	143.17 -13.96 0.00
OLIN_CORP_DRP 24177	57.57 -4.88 -12.71	124.80 -13.13 0.00	139.73 -14.50 0.00	142.48 -14.88 0.00	132.27 -14.30 0.41	134.89 -14.93 1.10	218.03 -26.36 0.00	226.28 -31.21 0.00	188.41 -25.97 0.91	157.07 -20.68 0.00	82.33 -10.67 -10.43	86.99 -10.70 -9.50	110.57 -14.53 -1.90	120.65 -13.83 -0.90	95.57 -9.59 -6.74	117.04 -12.99 -0.75	123.70 -15.08 0.00	152.13 -19.61 3.27	113.68 -14.20 -6.60	79.99 -9.76 -11.46	141.52 -19.85 -0.02	103.09 -13.70 -6.98	102.82 -12.61 -7.27	142.08 -15.05 0.00
OLIN_CORP_DSASP 323712	57.47 -4.87 -12.59	124.33 -13.60 0.00	139.19 -15.03 0.00	141.94 -15.42 0.00	131.72 -14.88 0.39	134.21 -15.63 1.07	217.78 -26.61 0.00	226.03 -31.45 0.00	188.38 -26.00 0.91	156.75 -21.00 0.00	82.29 -10.62 -10.33	86.93 -10.67 -9.41	110.62 -14.46 -1.88	120.72 -13.75 -0.89	95.69 -9.41 -6.68	115.02 -12.85 1.41	121.59 -14.81 2.37	147.11 -19.19 8.69	111.94 -14.14 -4.80	79.65 -9.70 -11.05	141.08 -19.93 0.33	103.16 -13.58 -6.92	102.72 -12.64 -7.20	141.44 -15.68 0.00
ONEIDA_HERK_LFGE 323681	54.12 1.77 -2.60	142.81 4.88 0.00	159.80 5.58 0.00	162.94 5.58 0.00	152.50 5.19 -0.33	156.56 5.65 0.00	254.22 9.83 0.00	268.64 11.16 0.00	224.69 9.39 0.00	185.27 7.51 0.00	88.06 3.27 -2.22	93.03 3.00 -1.84	127.46 3.89 -0.37	137.88 4.12 -0.17	102.92 3.20 -1.30	134.08 4.66 -0.15	144.49 5.71 0.00	182.63 7.49 -0.13	127.75 5.01 -1.46	83.46 2.95 -2.21	167.57 6.10 -0.13	115.50 4.29 -1.39	113.72 4.12 -1.44	162.97 5.85 0.00
ONEIDA___115KV_TB4 55905	56.36 1.63 -4.99	142.63 4.71 0.00	159.73 5.50 0.00	162.68 5.32 0.00	152.76 5.13 -0.64	156.68 5.77 0.00	254.09 9.70 0.00	268.48 11.00 0.00	224.89 9.60 0.00	185.69 7.94 0.00	90.41 3.59 -4.25	94.91 3.19 -3.53	128.56 4.65 -0.70	138.85 4.93 -0.33	104.55 3.63 -2.50	134.54 4.99 -0.28	144.76 5.98 0.00	182.86 7.61 -0.24	129.20 5.12 -2.80	85.70 3.16 -4.24	168.01 6.41 -0.25	116.78 4.30 -2.67	114.93 4.00 -2.77	162.62 5.50 0.00
ONONDAGA_REF_OCCRA 23987	59.21 -0.36 -9.82	136.85 -1.07 0.00	153.10 -1.13 0.00	155.92 -1.44 0.00	147.73 -1.18 -1.92	150.22 -1.05 -0.36	242.67 -1.72 0.00	256.23 -1.25 0.00	214.83 -0.77 -0.31	177.24 -0.51 0.00	90.76 -0.31 -8.49	94.68 -0.27 -6.77	124.25 -0.29 -1.35	134.16 -0.06 -0.64	103.27 0.06 -4.79	129.93 0.13 -0.54	138.87 0.09 0.00	176.71 -0.05 -1.75	126.94 -0.03 -5.69	86.28 -0.16 -8.13	161.58 -0.46 -0.70	114.65 -0.36 -5.19	113.06 -0.47 -5.37	156.42 -0.70 0.00
ONONDAGA___COGEN 23986	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00
ONTARIO___LFGE 23819	60.37 -0.92 -11.54	134.77 -3.15 0.00	151.11 -3.12 0.00	153.54 -3.82 0.00	142.32 -3.34 1.32	146.25 -3.16 1.51	239.86 -4.53 0.00	253.45 -4.03 0.00	210.92 -3.04 1.33	174.64 -3.12 0.00	89.94 -1.95 -9.32	95.46 -1.68 -8.94	122.81 -2.17 -1.78	133.02 -1.41 -0.84	103.95 -0.80 -6.32	129.01 -0.96 -0.71	137.61 -1.17 0.00	168.35 -1.85 4.81	125.84 -1.21 -5.76	88.32 -0.72 -10.74	158.49 -2.57 0.27	114.46 -1.80 -6.45	113.04 -1.85 -6.73	154.67 -2.45 0.00
ORANGEVILLE_WT_PWR 323706	60.70 -3.92 -14.88	127.51 -10.42 0.00	143.32 -10.90 0.00	145.26 -12.10 0.00	134.32 -11.52 1.14	137.71 -11.57 1.64	225.73 -18.66 0.00	237.03 -20.45 0.00	197.67 -16.18 1.44	164.91 -12.84 0.00	87.71 -6.96 -12.10	92.67 -6.87 -11.35	116.44 -9.02 -2.26	126.83 -7.82 -1.07	101.35 -5.11 -8.03	122.60 -6.95 -0.28	129.58 -8.52 0.68	156.36 -11.95 6.69	119.55 -8.79 -7.07	85.75 -6.11 -13.56	148.57 -12.48 0.28	109.83 -8.23 -8.25	109.13 -7.63 -8.60	147.49 -9.63 0.00
ORANGEVILLE___ESR 323794	60.70 -3.92 -14.88	127.51 -10.42 0.00	143.32 -10.90 0.00	145.26 -12.10 0.00	134.32 -11.52 1.14	137.71 -11.57 1.64	225.73 -18.66 0.00	237.03 -20.45 0.00	197.67 -16.18 1.44	164.91 -12.84 0.00	87.71 -6.96 -12.10	92.67 -6.87 -11.35	116.44 -9.02 -2.26	126.83 -7.82 -1.07	101.35 -5.11 -8.03	122.60 -6.95 -0.28	129.58 -8.52 0.68	156.36 -11.95 6.69	119.55 -8.79 -7.07	85.75 -6.11 -13.56	148.57 -12.48 0.28	109.83 -8.23 -8.25	109.13 -7.63 -8.60	147.49 -9.63 0.00
OSWEGATCHIE___HYD 24044	52.22 0.24 -2.24	138.45 0.53 0.00	155.37 1.14 0.00	159.49 2.12 0.00	148.34 1.07 -0.29	151.57 0.66 0.00	246.20 1.81 0.00	259.66 2.18 0.00	216.28 0.99 0.00	177.22 -0.53 0.00	83.64 -0.84 -1.90	88.38 -1.39 -1.58	120.88 -2.63 -0.31	130.64 -3.09 -0.15	97.35 -2.19 -1.12	127.35 -2.05 -0.12	137.60 -1.18 0.00	173.86 -1.26 -0.11	121.42 -1.12 -1.25	79.23 -0.97 -1.90	159.96 -1.49 -0.11	110.75 -0.26 -1.19	109.47 0.07 -1.24	158.03 0.91 0.00
OSWEGO___5 23606	54.57 -1.42 -6.24	133.92 -4.00 0.00	149.83 -4.39 0.00	152.74 -4.63 0.00	143.58 -4.20 -0.80	146.64 -4.27 0.00	237.28 -7.11 0.00	250.15 -7.33 0.00	209.38 -5.91 0.00	172.98 -4.78 0.00	85.58 -2.30 -5.31	90.21 -2.39 -4.41	120.77 -3.31 -0.88	130.66 -3.35 -0.42	99.19 -2.35 -3.12	126.46 -3.15 -0.35	135.34 -3.44 0.00	170.91 -4.40 -0.31	121.69 -3.10 -3.50	81.52 -2.08 -5.30	157.29 -4.36 -0.32	110.15 -3.00 -3.34	108.65 -2.97 -3.46	152.88 -4.24 0.00

OSWEGO___6 23613	54.57 -1.42 -6.24	133.92 -4.00 0.00	149.83 -4.39 0.00	152.74 -4.63 0.00	143.58 -4.20 -0.80	146.64 -4.27 0.00	237.28 -7.11 0.00	250.15 -7.33 0.00	209.38 -5.91 0.00	172.98 -4.78 0.00	85.58 -2.30 -5.31	90.21 -2.39 -4.41	120.77 -3.31 -0.88	130.66 -3.35 -0.42	99.19 -2.35 -3.12	126.46 -3.15 -0.35	135.34 -3.44 0.00	170.91 -4.40 -0.31	121.69 -3.10 -3.50	81.52 -2.08 -5.30	157.29 -4.36 -0.32	110.15 -3.00 -3.34	108.65 -2.97 -3.46	152.88 -4.24 0.00
OUTOKUMPU-AB___DRP 24206	58.47 -4.07 -12.80	126.83 -11.09 0.00	142.03 -12.19 0.00	144.71 -12.65 0.00	134.39 -12.16 0.44	137.17 -12.63 1.12	222.85 -21.54 0.00	232.07 -25.41 0.00	193.51 -20.85 0.92	161.13 -16.62 0.00	84.35 -8.72 -10.50	89.18 -8.58 -9.57	113.52 -11.59 -1.91	123.82 -10.67 -0.91	97.94 -7.27 -6.79	120.20 -9.83 -0.76	127.12 -11.65 0.00	156.41 -15.26 3.33	116.68 -11.24 -6.64	81.96 -7.89 -11.54	145.22 -16.13 -0.02	105.75 -11.10 -7.03	105.20 -10.28 -7.33	144.79 -12.33 0.00
OXBOW___BTM 323836	58.06 -4.38 -12.69	125.81 -12.12 0.00	140.89 -13.33 0.00	143.60 -13.76 0.00	133.32 -13.25 0.41	135.94 -13.88 1.10	220.72 -23.67 0.00	229.51 -27.97 0.00	191.39 -22.98 0.92	159.28 -18.47 0.00	83.51 -9.48 -10.42	88.23 -9.45 -9.49	112.33 -12.77 -1.90	122.55 -11.93 -0.90	97.05 -8.11 -6.74	116.80 -11.08 1.39	123.53 -12.88 2.36	149.53 -16.75 8.72	113.73 -12.41 -4.86	80.85 -8.60 -11.15	143.35 -17.66 0.32	104.74 -12.05 -6.98	104.23 -11.20 -7.27	143.41 -13.72 0.00
OXBOW____ 24026	58.04 -4.40 -12.69	125.82 -12.10 0.00	140.90 -13.33 0.00	143.61 -13.75 0.00	133.34 -13.23 0.41	135.98 -13.84 1.10	220.84 -23.56 0.00	229.68 -27.80 0.00	191.51 -22.86 0.92	159.41 -18.35 0.00	83.50 -9.49 -10.42	88.25 -9.43 -9.49	112.39 -12.71 -1.90	122.60 -11.88 -0.90	97.02 -8.13 -6.74	119.03 -10.99 -0.75	125.88 -12.90 0.00	154.91 -16.81 3.28	115.51 -12.36 -6.60	81.15 -8.60 -11.45	143.75 -17.61 -0.02	104.72 -12.07 -6.98	104.21 -11.22 -7.27	143.48 -13.64 0.00
OXY_CHEM_DSASP 323612	57.43 -4.91 -12.59	124.30 -13.62 0.00	139.23 -14.99 0.00	141.97 -15.39 0.00	131.77 -14.83 0.39	134.25 -15.59 1.07	217.86 -26.53 0.00	226.18 -31.30 0.00	188.58 -25.80 0.91	156.89 -20.86 0.00	82.28 -10.63 -10.33	86.96 -10.64 -9.41	110.72 -14.36 -1.88	120.79 -13.69 -0.89	95.65 -9.45 -6.68	117.27 -12.75 -0.74	123.95 -14.83 0.00	152.56 -19.22 3.22	113.72 -14.10 -6.54	79.94 -9.71 -11.35	141.49 -19.87 -0.02	103.16 -13.57 -6.92	102.71 -12.65 -7.20	141.51 -15.61 0.00
OZONE_PARK_ESR 323760	142.84 4.62 -88.48	150.03 12.10 0.00	167.49 13.27 0.00	170.42 13.06 0.00	171.28 13.08 -11.21	164.76 13.85 0.00	264.59 20.20 0.00	279.18 21.69 0.00	234.69 19.39 0.00	195.84 18.08 0.00	165.90 8.73 -74.60	159.44 9.34 -61.90	148.57 13.03 -12.33	153.59 14.16 -5.85	152.60 10.36 -43.81	147.85 13.68 -4.90	153.51 14.73 0.00	197.19 17.89 -4.30	182.94 12.54 -49.12	160.85 8.17 -74.38	182.97 17.19 -4.44	168.28 11.68 -46.78	168.03 11.37 -48.50	172.60 15.48 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	57.43 -4.91 -12.59	124.30 -13.62 0.00	139.23 -14.99 0.00	141.97 -15.39 0.00	131.77 -14.83 0.39	134.25 -15.59 1.07	217.86 -26.53 0.00	226.18 -31.30 0.00	188.58 -25.80 0.91	156.89 -20.86 0.00	82.28 -10.63 -10.33	86.96 -10.64 -9.41	110.72 -14.36 -1.88	120.79 -13.69 -0.89	95.65 -9.45 -6.68	117.27 -12.75 -0.74	123.95 -14.83 0.00	152.56 -19.22 3.22	113.72 -14.10 -6.54	79.94 -9.71 -11.35	141.49 -19.87 -0.02	103.16 -13.57 -6.92	102.71 -12.65 -7.20	141.51 -15.61 0.00
PACKARD__115KV_DUPONT_184 80571	57.43 -4.91 -12.59	124.30 -13.62 0.00	139.23 -14.99 0.00	141.97 -15.39 0.00	131.77 -14.83 0.39	134.25 -15.59 1.07	217.86 -26.53 0.00	226.18 -31.30 0.00	188.58 -25.80 0.91	156.89 -20.86 0.00	82.28 -10.63 -10.33	86.96 -10.64 -9.41	110.72 -14.36 -1.88	120.79 -13.69 -0.89	95.65 -9.45 -6.68	117.27 -12.75 -0.74	123.95 -14.83 0.00	152.56 -19.22 3.22	113.72 -14.10 -6.54	79.94 -9.71 -11.35	141.49 -19.87 -0.02	103.16 -13.57 -6.92	102.71 -12.65 -7.20	141.51 -15.61 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	142.20 3.97 -88.49	148.34 10.42 0.00	165.65 11.42 0.00	168.55 11.19 0.00	169.49 11.30 -11.21	162.72 11.81 0.00	261.39 17.00 0.00	275.57 18.09 0.00	231.73 16.43 0.00	193.32 15.56 0.00	164.87 7.70 -74.61	158.25 8.16 -61.90	147.15 11.61 -12.33	151.76 12.33 -5.85	151.23 8.99 -43.82	146.10 11.93 -4.90	151.45 12.67 0.00	194.37 15.06 -4.30	181.16 10.76 -49.12	159.93 7.25 -74.38	180.52 14.74 -4.44	166.80 10.20 -46.79	166.39 9.72 -48.51	170.50 13.37 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	142.39 4.16 -88.49	148.88 10.96 0.00	166.27 12.04 0.00	169.16 11.80 0.00	169.99 11.80 -11.21	163.43 12.51 0.00	262.96 18.56 0.00	276.88 19.40 0.00	232.74 17.45 0.00	194.05 16.29 0.00	165.13 7.95 -74.61	158.60 8.50 -61.90	147.71 12.18 -12.33	152.22 12.79 -5.85	151.62 9.38 -43.82	146.52 12.36 -4.90	151.98 13.20 0.00	195.16 15.86 -4.30	181.85 11.45 -49.12	160.29 7.61 -74.38	181.18 15.40 -4.44	167.27 10.67 -46.79	166.77 10.11 -48.51	171.15 14.02 0.00
PATROON__115KV_TB1 80586	160.34 2.32 -108.27	144.23 6.31 0.00	161.24 7.02 0.00	164.05 6.68 0.00	167.65 6.85 -13.82	157.83 6.92 0.00	253.93 9.54 0.00	267.53 10.05 0.00	223.93 8.64 0.00	185.72 7.96 0.00	178.27 3.75 -91.94	168.53 4.04 -76.29	144.19 5.79 -15.20	147.15 6.36 -7.21	157.14 4.71 -54.00	141.38 6.08 -6.03	145.12 6.34 0.00	188.02 7.71 -5.31	187.26 5.30 -60.68	173.48 3.30 -91.87	173.58 6.75 -5.49	172.25 4.66 -57.77	172.58 4.53 -59.90	163.76 6.63 0.00
PATTRSNVILLE__SOLAR 323815	166.30 2.52 -114.03	144.87 6.94 0.00	162.07 7.84 0.00	165.03 7.67 0.00	169.04 7.49 -14.56	158.68 7.77 0.00	256.29 11.90 0.00	270.29 12.81 0.00	225.66 10.36 0.00	185.21 7.46 0.00	182.53 3.08 -96.88	172.14 3.56 -80.38	143.72 4.51 -16.02	146.35 5.17 -7.60	159.71 4.39 -56.90	141.32 5.70 -6.36	146.04 7.26 0.00	190.35 9.76 -5.59	191.93 6.73 -63.92	179.31 4.23 -96.78	175.80 8.68 -5.78	176.60 5.93 -60.86	177.01 5.75 -63.09	165.29 8.16 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	60.37 -3.32 -13.95	129.35 -8.57 0.00	144.97 -9.26 0.00	147.52 -9.84 0.00	137.06 -9.32 0.60	139.85 -9.78 1.28	227.91 -16.49 0.00	238.41 -19.07 0.00	198.96 -15.27 1.06	165.74 -12.02 0.00	87.38 -6.60 -11.41	92.17 -6.47 -10.45	116.99 -8.30 -2.09	127.37 -7.21 -0.99	100.74 -5.11 -7.43	123.33 -6.77 -0.83	130.69 -8.09 0.00	160.19 -10.91 3.90	119.98 -8.51 -7.20	84.74 -6.19 -12.62	149.13 -12.18 0.03	108.92 -8.57 -7.68	108.33 -7.83 -8.00	148.00 -9.13 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	143.18 4.51 -88.93	149.85 11.93 0.00	167.35 13.12 0.00	170.10 12.73 0.00	171.18 12.86 -11.33	164.43 13.52 0.00	264.21 19.82 0.00	278.94 21.46 0.00	234.08 18.79 0.00	194.72 16.97 0.00	166.21 8.26 -75.39	159.49 8.75 -62.55	147.79 12.12 -12.46	152.59 13.10 -5.91	152.31 9.60 -44.28	146.83 12.61 -4.95	152.49 13.72 0.00	196.42 17.07 -4.34	182.96 12.03 -49.65	161.23 7.76 -75.18	181.91 16.08 -4.49	167.92 10.81 -47.29	167.68 10.50 -49.02	171.59 14.47 0.00
PEEKSKILL____ 23653	140.47 3.50 -87.22	147.09 9.17 0.00	164.31 10.08 0.00	167.03 9.67 0.00	168.10 10.01 -11.10	161.41 10.49 0.00	259.21 14.82 0.00	273.43 15.95 0.00	229.48 14.19 0.00	191.07 13.31 0.00	163.13 6.73 -73.83	156.58 7.13 -61.26	145.32 9.91 -12.21	150.14 10.77 -5.79	149.69 7.90 -43.37	144.46 10.35 -4.85	149.98 11.20 0.00	192.93 13.68 -4.25	179.53 9.63 -48.62	158.20 6.29 -73.61	178.77 13.04 -4.40	164.95 8.84 -46.30	164.75 8.58 -48.01	168.83 11.70 0.00

PGE MADISON___WINDPWR 24146	82.06 3.91 -28.40	148.40 10.48 0.00	165.96 11.74 0.00	169.44 12.08 0.00	165.67 11.55 -7.13	164.32 11.53 -1.88	264.83 20.44 0.00	282.51 25.03 0.00	240.46 23.54 -1.62	197.34 19.59 0.00	115.81 8.38 -24.85	115.41 8.09 -19.14	139.24 12.23 -3.81	150.19 14.80 -1.81	123.33 11.37 -13.54	146.91 15.61 -2.03	157.81 18.45 -0.57	207.74 23.32 -9.42	154.27 15.72 -17.27	111.40 10.02 -23.08	184.55 20.61 -2.60	138.42 13.76 -14.85	135.54 12.05 -15.34	173.55 16.43 0.00
PIERCEFIELD___HYD 23852	48.81 -0.93 0.00	135.39 -2.54 0.00	152.24 -1.99 0.00	157.15 -0.21 0.00	145.31 -1.67 0.00	147.97 -2.95 0.00	239.98 -4.42 0.00	252.60 -4.89 0.00	210.18 -5.11 0.00	171.45 -6.30 0.00	79.05 -3.52 0.00	83.98 -4.21 0.00	116.97 -6.24 0.00	126.27 -7.31 0.00	93.01 -5.41 0.00	122.79 -6.48 0.00	132.38 -6.40 0.00	166.87 -8.13 0.00	115.57 -5.70 0.00	74.79 -3.50 0.00	154.83 -6.50 0.00	106.41 -3.41 0.00	105.30 -2.87 0.00	154.22 -2.90 0.00
PINELAWN_CC_1 323563	142.96 4.75 -88.46	154.49 12.97 -3.59	167.47 13.24 0.00	169.10 11.74 0.00	171.41 13.22 -11.21	164.26 13.34 0.00	262.32 17.93 0.00	278.61 21.13 0.00	233.73 18.44 0.00	195.04 17.29 0.00	166.03 8.88 -74.57	161.55 8.77 -64.59	153.49 12.89 -17.39	157.56 14.17 -9.80	157.15 10.18 -48.55	157.16 13.72 -14.17	185.05 15.03 -31.24	197.21 17.91 -4.30	183.27 12.89 -49.11	161.64 8.38 -74.96	182.72 16.94 -4.44	167.47 10.88 -46.77	166.56 9.92 -48.49	170.60 13.48 0.00
PJM_GEN_HTP_PROXY 323702	142.19 3.97 -88.47	148.32 10.40 0.00	170.00 11.38 -4.40	169.09 11.11 -0.63	169.48 11.29 -11.21	160.58 11.90 2.23	268.25 16.96 -6.90	275.61 18.13 0.00	231.60 16.31 0.00	192.29 15.47 0.93	164.80 7.64 -74.59	158.21 8.13 -61.89	146.91 11.38 -12.33	151.80 12.36 -5.85	151.26 9.02 -43.81	146.10 11.94 -4.89	151.61 12.83 0.00	194.78 15.48 -4.30	181.23 10.84 -49.11	159.72 7.05 -74.37	180.59 14.81 -4.44	166.63 10.03 -46.78	166.40 9.75 -48.50	167.86 13.29 2.55
PJM_GEN_KEystone 24065	91.42 0.04 -41.64	111.29 0.11 26.75	135.66 0.36 18.94	150.04 -0.35 6.97	148.73 0.20 -1.54	103.77 0.12 47.26	163.38 -1.59 79.42	247.04 -1.70 8.74	203.65 -0.59 11.04	141.84 0.43 36.35	126.78 0.34 -43.87	111.24 0.48 -22.57	53.56 0.86 70.50	21.45 1.45 113.58	68.56 1.18 31.05	75.27 1.47 55.47	126.45 1.11 13.44	121.11 0.54 54.43	128.34 0.32 -6.74	82.77 0.03 -4.45	6.51 0.39 155.22	70.69 0.39 39.52	130.68 0.64 -21.88	66.77 1.00 91.35
PJM_GEN_NEPTUNE_PROXY 323594	142.35 4.15 -88.46	151.06 11.21 -1.93	170.15 11.53 -4.40	168.36 10.37 -0.63	169.75 11.56 -11.21	160.40 11.72 2.23	267.00 15.71 -6.90	275.63 18.15 0.00	231.31 16.01 0.00	192.02 15.20 0.93	165.07 7.92 -74.57	158.08 8.01 -61.88	147.84 11.68 -12.96	153.34 12.83 -6.93	152.94 9.22 -45.30	149.12 12.25 -7.59	167.28 13.29 -15.21	194.97 15.67 -4.30	181.59 11.20 -49.11	160.32 7.35 -74.67	180.73 14.95 -4.44	166.28 9.69 -46.77	165.66 9.02 -48.49	166.82 12.25 2.55
PJM_GEN_VFT_PROXY 323633	141.90 3.67 -88.48	147.46 9.53 0.00	-164.21 10.50 328.94	59.75 10.31 107.92	79.27 10.50 78.21	77.30 11.16 84.77	118.24 15.74 141.89	139.04 16.68 135.12	81.07 15.17 149.40	68.18 14.68 124.24	114.93 7.18 -25.17	-64.82 7.68 160.70	-213.47 10.74 347.41	-45.17 11.68 190.43	20.65 8.50 86.27	-536.81 11.24 677.33	45.69 12.10 105.18	72.37 14.46 117.10	54.60 10.13 76.82	24.18 6.66 60.78	-1175.41 14.20 1350.95	53.14 9.66 66.34	53.14 9.41 64.43	50.56 12.74 119.31
PLATSBURG_115KV_PMLD1 355749	50.41 0.67 0.00	139.81 1.88 0.00	156.52 2.30 0.00	160.02 2.66 0.00	149.00 2.02 0.00	152.17 1.26 0.00	246.15 1.76 0.00	258.72 1.23 0.00	216.16 0.87 0.00	177.03 -0.72 0.00	81.70 -0.87 0.00	86.73 -1.46 0.00	120.64 -2.56 0.00	130.25 -3.33 0.00	96.06 -2.37 0.00	127.22 -2.05 0.00	137.47 -1.31 0.00	173.94 -1.06 0.00	120.66 -0.62 0.00	77.70 -0.60 0.00	159.41 -1.93 0.00	108.60 -1.22 0.00	107.40 -0.76 0.00	157.56 0.44 0.00
PLEASANTVLY___LBMP 24000	145.03 3.46 -91.82	147.05 9.12 0.00	164.26 10.03 0.00	166.86 9.50 0.00	168.42 9.75 -11.69	161.10 10.18 0.00	258.55 14.15 0.00	272.58 15.10 0.00	228.77 13.47 0.00	190.29 12.54 0.00	166.64 6.33 -77.74	159.42 6.72 -64.51	145.36 9.31 -12.85	149.84 10.16 -6.09	151.53 7.44 -45.66	144.10 9.73 -5.10	149.22 10.44 0.00	192.33 12.85 -4.48	181.54 9.08 -51.19	161.68 5.87 -77.51	178.12 12.15 -4.63	166.79 8.23 -48.75	166.80 8.10 -50.55	168.41 11.29 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	142.54 3.85 -88.95	148.01 10.08 0.00	165.28 11.05 0.00	168.01 10.65 0.00	169.19 10.91 -11.29	162.32 11.40 0.00	260.64 16.25 0.00	275.02 17.53 0.00	230.85 15.56 0.00	192.26 14.50 0.00	164.96 7.25 -75.14	158.24 7.69 -62.35	146.26 10.64 -12.42	151.10 11.63 -5.89	151.06 8.50 -44.13	145.36 11.16 -4.93	150.79 12.01 0.00	194.04 14.71 -4.33	181.14 10.38 -49.48	159.95 6.73 -74.92	179.78 13.96 -4.48	166.39 9.45 -47.13	166.28 9.26 -48.86	169.72 12.60 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	142.54 3.85 -88.95	148.01 10.08 0.00	165.28 11.05 0.00	168.01 10.65 0.00	169.19 10.91 -11.29	162.32 11.40 0.00	260.64 16.25 0.00	275.02 17.53 0.00	230.85 15.56 0.00	192.26 14.50 0.00	164.96 7.25 -75.14	158.24 7.69 -62.35	146.26 10.64 -12.42	151.10 11.63 -5.89	151.06 8.50 -44.13	145.36 11.16 -4.93	150.79 12.01 0.00	194.04 14.71 -4.33	181.14 10.38 -49.48	159.95 6.73 -74.92	179.78 13.96 -4.48	166.39 9.45 -47.13	166.28 9.26 -48.86	169.72 12.60 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	143.57 4.05 -89.78	148.73 10.81 0.00	166.21 11.98 0.00	168.81 11.45 0.00	170.02 11.57 -11.46	163.06 12.15 0.00	262.06 17.67 0.00	276.48 19.00 0.00	231.93 16.63 0.00	192.80 15.04 0.00	166.15 7.34 -76.24	159.26 7.80 -63.26	146.56 10.76 -12.61	151.18 11.62 -5.98	151.72 8.52 -44.78	145.46 11.19 -5.00	150.98 12.20 0.00	194.59 15.19 -4.40	182.34 10.79 -50.27	161.37 6.95 -76.12	180.25 14.37 -4.55	167.37 9.67 -47.88	167.28 9.48 -49.64	170.36 13.24 0.00
POLETTI_____ 23519	142.19 3.97 -88.48	148.25 10.33 0.00	165.57 11.34 0.00	168.53 11.17 0.00	169.51 11.32 -11.21	162.82 11.90 0.00	260.67 16.27 0.00	274.82 17.33 0.00	230.94 15.64 0.00	192.85 15.09 0.00	164.67 7.50 -74.60	158.07 7.98 -61.90	146.62 11.08 -12.33	151.61 12.18 -5.85	151.12 8.89 -43.81	145.92 11.76 -4.90	151.40 12.62 0.00	194.27 14.97 -4.30	180.89 10.49 -49.12	159.52 6.84 -74.38	180.21 14.43 -4.44	166.46 9.86 -46.78	166.54 9.88 -48.50	170.58 13.45 0.00
POMONA___ESR 323819	135.64 3.21 -82.69	146.41 8.48 0.00	163.61 9.38 0.00	166.28 8.92 0.00	167.25 9.45 -10.81	160.94 10.02 0.00	258.47 14.08 0.00	272.65 15.17 0.00	228.81 13.52 0.00	190.49 12.74 0.00	160.97 6.45 -71.95	154.75 6.86 -59.70	144.57 9.48 -11.89	149.54 10.32 -5.64	148.26 7.58 -42.26	143.87 9.88 -4.72	149.52 10.74 0.00	192.28 13.14 -4.14	177.94 9.28 -47.38	156.09 6.05 -71.74	178.18 12.55 -4.29	163.45 8.51 -45.12	163.21 8.27 -46.78	168.32 11.20 0.00
PORT_JEFF_3 23555	143.02 4.82 -88.46	154.96 13.44 -3.59	167.84 13.61 0.00	169.35 11.99 0.00	171.91 13.72 -11.21	164.46 13.54 0.00	260.58 16.19 0.00	277.82 20.33 0.00	233.00 17.71 0.00	194.92 17.17 0.00	166.20 9.05 -74.57	159.99 8.61 -63.18	151.35 12.77 -15.38	156.54 14.16 -8.79	156.03 10.07 -47.54	154.91 13.67 -11.97	183.95 15.28 -29.89	197.04 17.74 -4.30	183.29 12.91 -49.11	161.63 8.38 -74.96	182.63 16.85 -4.44	167.19 10.60 -46.77	166.29 9.65 -48.49	170.30 13.18 0.00

PORT_JEFF_4 23616	143.02 4.82 -88.46	154.96 13.44 -3.59	167.84 13.61 0.00	169.35 11.99 0.00	171.91 13.72 -11.21	164.46 13.54 0.00	260.58 16.19 0.00	277.82 20.33 0.00	233.00 17.71 0.00	194.92 17.17 0.00	166.20 9.05 -74.57	159.99 8.61 -63.18	151.35 12.77 -15.38	156.54 14.16 -8.79	156.03 10.07 -47.54	154.91 13.67 -11.97	183.95 15.28 -29.89	197.04 17.74 -4.30	183.29 12.91 -49.11	161.63 8.38 -74.96	182.63 16.85 -4.44	167.19 10.60 -46.77	166.29 9.65 -48.49	170.30 13.18 0.00
PORT_JEFF_IC 23713	143.05 4.84 -88.46	154.99 13.48 -3.59	167.86 13.63 0.00	169.32 11.96 0.00	171.91 13.72 -11.21	164.48 13.57 0.00	260.48 16.09 0.00	277.75 20.27 0.00	232.96 17.67 0.00	194.93 17.18 0.00	166.21 9.06 -74.57	160.01 8.59 -63.22	151.40 12.76 -15.43	156.55 14.15 -8.82	156.06 10.07 -47.56	154.99 13.68 -12.03	184.01 15.31 -29.92	197.10 17.81 -4.30	183.34 12.96 -49.11	161.64 8.39 -74.96	182.63 16.85 -4.44	167.12 10.53 -46.77	166.28 9.63 -48.49	170.23 13.11 0.00
PPL_PILGRIM_ST_GT1 24216	143.14 4.94 -88.46	155.15 13.64 -3.59	168.01 13.79 0.00	169.54 12.18 0.00	172.08 13.89 -11.21	164.70 13.78 0.00	262.29 17.90 0.00	279.08 21.60 0.00	234.11 18.82 0.00	195.52 17.77 0.00	166.36 9.22 -74.57	160.57 8.96 -63.41	152.22 13.32 -15.71	157.33 14.79 -8.95	156.65 10.53 -47.70	155.73 14.13 -12.33	184.37 15.49 -30.11	197.61 18.32 -4.30	183.63 13.24 -49.11	161.88 8.63 -74.96	183.11 17.33 -4.44	167.62 11.03 -46.77	166.73 10.08 -48.49	170.81 13.69 0.00
PPL_PILGRIM_ST_GT2 24217	143.14 4.94 -88.46	155.15 13.64 -3.59	168.01 13.79 0.00	169.54 12.18 0.00	172.08 13.89 -11.21	164.70 13.78 0.00	262.29 17.90 0.00	279.08 21.60 0.00	234.11 18.82 0.00	195.52 17.77 0.00	166.36 9.22 -74.57	160.57 8.96 -63.41	152.22 13.32 -15.71	157.33 14.79 -8.95	156.65 10.53 -47.70	155.73 14.13 -12.33	184.37 15.49 -30.11	197.61 18.32 -4.30	183.63 13.24 -49.11	161.88 8.63 -74.96	183.11 17.33 -4.44	167.62 11.03 -46.77	166.73 10.08 -48.49	170.81 13.69 0.00
PPL_SHRM_GT3 24213	143.13 4.92 -88.46	155.05 13.54 -3.59	167.87 13.65 0.00	169.39 12.03 0.00	172.04 13.85 -11.21	164.43 13.51 0.00	258.96 14.57 0.00	275.61 18.13 0.00	230.88 15.59 0.00	193.30 15.55 0.00	165.95 8.80 -74.57	158.99 7.60 -63.20	149.88 11.28 -15.40	154.87 12.48 -8.80	154.89 8.91 -47.55	153.72 12.45 -12.00	183.60 14.92 -29.90	195.14 15.84 -4.30	182.27 11.88 -49.11	160.87 7.61 -74.96	181.05 15.27 -4.44	165.79 9.20 -46.77	164.85 8.20 -48.49	168.12 10.99 0.00
PPL_SHRM_GT4 24214	143.13 4.92 -88.46	155.05 13.54 -3.59	167.87 13.65 0.00	169.39 12.03 0.00	172.04 13.85 -11.21	164.43 13.51 0.00	258.96 14.57 0.00	275.61 18.13 0.00	230.88 15.59 0.00	193.30 15.55 0.00	165.95 8.80 -74.57	158.99 7.60 -63.20	149.88 11.28 -15.40	154.87 12.48 -8.80	154.89 8.91 -47.55	153.72 12.45 -12.00	183.60 14.92 -29.90	195.14 15.84 -4.30	182.27 11.88 -49.11	160.87 7.61 -74.96	181.05 15.27 -4.44	165.79 9.20 -46.77	164.85 8.20 -48.49	168.12 10.99 0.00
PROJECT___ORANGE 1 24174	56.84 -0.74 -7.84	135.76 -2.16 0.00	151.89 -2.34 0.00	154.71 -2.66 0.00	145.71 -2.28 -1.00	148.71 -2.21 0.00	240.72 -3.67 0.00	254.00 -3.49 0.00	212.66 -2.64 0.00	175.82 -1.93 0.00	88.29 -0.95 -6.68	92.76 -0.97 -5.54	123.05 -1.26 -1.10	133.02 -1.09 -0.52	101.69 -0.66 -3.92	128.79 -0.91 -0.44	137.69 -1.09 0.00	173.81 -1.57 -0.39	124.60 -1.08 -4.40	84.12 -0.84 -6.66	159.87 -1.87 -0.40	112.70 -1.30 -4.19	111.13 -1.38 -4.34	155.13 -1.99 0.00
PROJECT___ORANGE 2 24166	56.84 -0.74 -7.84	135.76 -2.16 0.00	151.89 -2.34 0.00	154.71 -2.66 0.00	145.71 -2.28 -1.00	148.71 -2.21 0.00	240.72 -3.67 0.00	254.00 -3.49 0.00	212.66 -2.64 0.00	175.82 -1.93 0.00	88.29 -0.95 -6.68	92.76 -0.97 -5.54	123.05 -1.26 -1.10	133.02 -1.09 -0.52	101.69 -0.66 -3.92	128.79 -0.91 -0.44	137.69 -1.09 0.00	173.81 -1.57 -0.39	124.60 -1.08 -4.40	84.12 -0.84 -6.66	159.87 -1.87 -0.40	112.70 -1.30 -4.19	111.13 -1.38 -4.34	155.13 -1.99 0.00
PUCKETT___SOLAR 323809	79.53 0.94 -28.84	140.49 2.57 0.00	157.43 3.20 0.00	160.08 2.72 0.00	153.06 2.38 -3.70	153.19 2.28 0.00	248.17 3.78 0.00	263.43 5.94 0.00	220.93 5.64 0.00	181.90 4.14 0.00	108.80 1.61 -24.61	110.53 1.92 -20.42	130.57 3.30 -4.07	139.08 3.57 -1.93	116.14 3.27 -14.45	135.87 4.51 -2.09	144.20 4.89 -0.53	183.34 5.70 -2.64	141.83 3.94 -16.60	105.34 2.42 -24.62	168.00 5.12 -1.54	128.77 3.51 -15.44	127.43 3.27 -16.01	161.67 4.54 0.00
PYRITES___HYD 24023	49.57 -0.18 0.00	137.53 -0.39 0.00	154.58 0.35 0.00	159.61 2.25 0.00	147.57 0.59 0.00	150.66 -0.26 0.00	245.34 0.94 0.00	258.27 0.79 0.00	214.47 -0.83 0.00	174.53 -3.23 0.00	80.00 -2.57 0.00	84.73 -3.47 0.00	117.73 -5.47 0.00	126.96 -6.62 0.00	93.38 -5.04 0.00	123.36 -5.90 0.00	134.07 -4.71 0.00	170.23 -4.77 0.00	118.03 -3.25 0.00	76.34 -1.96 0.00	157.83 -3.50 0.00	108.28 -1.53 0.00	107.01 -1.15 0.00	156.59 -0.53 0.00
QUAKERRD_115KV_BK1 80622	56.91 -2.71 -9.88	130.43 -7.50 0.00	145.93 -8.29 0.00	148.79 -8.56 0.00	139.10 -8.01 -0.12	142.09 -8.21 0.62	230.93 -13.47 0.00	242.50 -14.99 0.00	202.41 -12.35 0.54	167.74 -10.01 0.00	85.73 -5.04 -8.19	90.43 -5.05 -7.29	117.86 -6.80 -1.45	127.89 -6.38 -0.69	99.29 -4.29 -5.16	123.84 -6.01 -0.58	131.84 -6.94 0.00	164.27 -9.02 1.72	120.11 -6.42 -5.25	82.60 -4.47 -8.77	152.01 -9.48 -0.15	108.74 -6.46 -5.39	107.53 -6.24 -5.60	148.84 -8.28 0.00
QUENSBRY_115KV_TB8 356137	165.38 4.66 -110.98	150.65 12.73 0.00	168.44 14.22 0.00	171.00 13.64 0.00	174.77 13.61 -14.17	165.63 14.72 0.00	267.15 22.75 0.00	281.29 23.81 0.00	236.96 21.67 0.00	194.19 16.44 0.00	183.94 7.10 -94.27	173.58 7.17 -78.22	149.36 10.59 -15.57	153.11 12.15 -7.38	162.49 8.76 -55.31	147.04 11.59 -6.19	152.28 13.50 0.00	198.20 17.76 -5.44	195.77 12.27 -62.22	180.09 7.59 -94.20	182.09 15.13 -5.63	179.45 10.39 -59.24	179.87 10.30 -61.41	172.25 15.12 0.00
RAMAPO___LBMP 323565	135.56 3.07 -82.74	146.07 8.15 0.00	163.22 8.99 0.00	165.95 8.59 0.00	166.78 9.01 -10.78	160.44 9.53 0.00	257.71 13.32 0.00	271.76 14.27 0.00	228.00 12.71 0.00	189.78 12.02 0.00	160.41 6.12 -71.72	154.20 6.50 -59.51	144.02 8.96 -11.86	148.98 9.77 -5.62	147.72 7.18 -42.12	143.32 9.34 -4.71	148.97 10.19 0.00	191.57 12.43 -4.13	177.30 8.80 -47.23	155.54 5.73 -71.51	177.50 11.89 -4.27	162.86 8.06 -44.98	162.67 7.88 -46.63	167.79 10.67 0.00
RANKINE____ 23646	59.73 -3.58 -13.57	128.36 -9.56 0.00	143.89 -10.34 0.00	146.49 -10.88 0.00	136.04 -10.35 0.59	138.89 -10.78 1.25	226.48 -17.91 0.00	236.64 -20.84 0.00	197.41 -16.84 1.04	164.53 -13.22 0.00	86.54 -7.13 -11.10	91.43 -6.93 -10.17	115.97 -9.27 -2.04	126.31 -8.24 -0.96	100.09 -5.56 -7.23	122.46 -7.61 -0.81	129.60 -9.18 0.00	158.89 -12.31 3.80	119.08 -9.21 -7.01	84.01 -6.57 -12.28	147.93 -13.38 0.03	108.15 -9.13 -7.47	107.54 -8.40 -7.78	147.06 -10.06 0.00
RAVENSWOOD_GT2_1 24244	142.29 4.06 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	168.71 11.35 0.00	169.68 11.49 -11.21	163.00 12.09 0.00	261.66 17.26 0.00	275.91 18.43 0.00	231.84 16.55 0.00	193.43 15.68 0.00	164.91 7.74 -74.60	158.33 8.24 -61.90	147.05 11.51 -12.33	151.93 12.50 -5.85	151.36 9.12 -43.82	146.23 12.06 -4.90	151.74 12.96 0.00	194.90 15.60 -4.30	181.32 10.92 -49.12	159.84 7.15 -74.38	180.79 15.01 -4.44	166.78 10.18 -46.79	166.58 9.92 -48.51	170.59 13.47 0.00

RAVENSWOOD_GT2_2 24245	142.29 4.06 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	168.71 11.35 0.00	169.68 11.49 -11.21	163.00 12.09 0.00	261.66 17.26 0.00	275.91 18.43 0.00	231.84 16.55 0.00	193.43 15.68 0.00	164.91 7.74 -74.60	158.33 8.24 -61.90	147.05 11.51 -12.33	151.93 12.50 -5.85	151.36 9.12 -43.82	146.23 12.06 -4.90	151.74 12.96 0.00	194.90 15.60 -4.30	181.32 10.92 -49.12	159.84 7.15 -74.38	180.79 15.01 -4.44	166.78 10.18 -46.79	166.58 9.92 -48.51	170.59 13.47 0.00
RAVENSWOOD_GT2_3 24246	142.30 4.07 -88.49	148.56 10.64 0.00	165.90 11.67 0.00	168.77 11.41 0.00	169.78 11.59 -11.21	163.07 12.16 0.00	261.82 17.43 0.00	276.00 18.52 0.00	231.96 16.67 0.00	193.57 15.82 0.00	164.98 7.80 -74.60	158.37 8.28 -61.90	147.11 11.57 -12.33	152.01 12.58 -5.85	151.44 9.20 -43.82	146.28 12.12 -4.90	151.82 13.04 0.00	194.94 15.64 -4.30	181.39 10.99 -49.12	159.88 7.20 -74.38	180.91 15.13 -4.44	166.84 10.24 -46.79	166.65 9.99 -48.51	170.66 13.54 0.00
RAVENSWOOD_GT2_4 24247	142.30 4.07 -88.49	148.56 10.64 0.00	165.90 11.67 0.00	168.77 11.41 0.00	169.78 11.59 -11.21	163.07 12.16 0.00	261.82 17.43 0.00	276.00 18.52 0.00	231.96 16.67 0.00	193.57 15.82 0.00	164.98 7.80 -74.60	158.37 8.28 -61.90	147.11 11.57 -12.33	152.01 12.58 -5.85	151.44 9.20 -43.82	146.28 12.12 -4.90	151.82 13.04 0.00	194.94 15.64 -4.30	181.39 10.99 -49.12	159.88 7.20 -74.38	180.91 15.13 -4.44	166.84 10.24 -46.79	166.65 9.99 -48.51	170.66 13.54 0.00
RAVENSWOOD_GT3_1 24248	142.29 4.06 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	168.71 11.35 0.00	169.68 11.49 -11.21	163.01 12.10 0.00	261.66 17.26 0.00	275.91 18.43 0.00	231.87 16.58 0.00	193.43 15.68 0.00	164.91 7.74 -74.60	158.33 8.24 -61.90	147.05 11.51 -12.33	151.93 12.50 -5.85	151.36 9.12 -43.82	146.23 12.06 -4.90	151.74 12.96 0.00	194.91 15.61 -4.30	181.32 10.92 -49.12	159.84 7.15 -74.38	180.79 15.01 -4.44	166.78 10.18 -46.79	166.59 9.92 -48.51	170.61 13.48 0.00
RAVENSWOOD_GT3_2 24249	142.29 4.06 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	168.71 11.35 0.00	169.68 11.49 -11.21	163.01 12.10 0.00	261.66 17.26 0.00	275.91 18.43 0.00	231.87 16.58 0.00	193.43 15.68 0.00	164.91 7.74 -74.60	158.33 8.24 -61.90	147.05 11.51 -12.33	151.93 12.50 -5.85	151.36 9.12 -43.82	146.23 12.06 -4.90	151.74 12.96 0.00	194.91 15.61 -4.30	181.32 10.92 -49.12	159.84 7.15 -74.38	180.79 15.01 -4.44	166.78 10.18 -46.79	166.59 9.92 -48.51	170.61 13.48 0.00
RAVENSWOOD_GT3_3 24250	142.36 4.13 -88.49	148.72 10.80 0.00	166.07 11.84 0.00	168.93 11.57 0.00	169.93 11.73 -11.21	163.24 12.32 0.00	262.09 17.70 0.00	276.36 18.88 0.00	232.23 16.94 0.00	193.77 16.02 0.00	165.07 7.90 -74.60	158.49 8.39 -61.90	147.27 11.74 -12.33	152.20 12.77 -5.85	151.55 9.31 -43.82	146.47 12.30 -4.90	152.02 13.24 0.00	195.19 15.90 -4.30	181.54 11.13 -49.12	159.98 7.30 -74.38	181.10 15.32 -4.44	166.98 10.37 -46.79	166.76 10.09 -48.51	170.82 13.69 0.00
RAVENSWOOD_GT3_4 24251	142.36 4.13 -88.49	148.72 10.80 0.00	166.07 11.84 0.00	168.93 11.57 0.00	169.93 11.73 -11.21	163.24 12.32 0.00	262.09 17.70 0.00	276.36 18.88 0.00	232.23 16.94 0.00	193.77 16.02 0.00	165.07 7.90 -74.60	158.49 8.39 -61.90	147.27 11.74 -12.33	152.20 12.77 -5.85	151.55 9.31 -43.82	146.47 12.30 -4.90	152.02 13.24 0.00	195.19 15.90 -4.30	181.54 11.13 -49.12	159.98 7.30 -74.38	181.10 15.32 -4.44	166.98 10.37 -46.79	166.76 10.09 -48.51	170.82 13.69 0.00
RAVENSWOOD_GT_1 23729	142.46 4.23 -88.49	149.02 11.10 0.00	166.39 12.16 0.00	183.37 11.87 -14.13	175.06 11.93 -16.14	164.93 12.56 -1.45	274.38 18.18 -11.81	289.78 19.20 -13.10	246.37 17.35 -13.73	206.45 16.55 -12.14	169.15 8.21 -78.37	189.65 8.71 -92.75	200.80 12.15 -65.44	176.77 13.09 -30.10	165.07 9.55 -57.09	253.12 12.65 -111.20	162.30 13.51 -10.01	204.90 16.13 -13.77	189.50 11.37 -56.85	174.39 7.52 -88.56	399.03 15.65 -222.05	175.44 10.63 -55.00	175.05 10.28 -56.61	178.61 13.94 -7.54
RAVENSWOOD_GT_10 24258	142.29 4.05 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	170.34 11.35 -1.63	170.25 11.49 -11.78	163.17 12.09 -0.17	263.02 17.26 -1.36	277.42 18.43 -1.51	233.44 16.56 -1.58	194.83 15.68 -1.40	165.34 7.74 -75.03	161.87 8.22 -65.46	153.15 11.49 -18.46	154.73 12.50 -8.65	152.89 9.12 -45.35	158.48 12.05 -17.16	152.89 12.96 -1.16	195.99 15.60 -5.39	182.21 10.92 -50.01	161.47 7.15 -76.02	205.87 15.01 -29.52	167.72 10.17 -47.74	167.52 9.92 -49.44	171.45 13.45 -0.87
RAVENSWOOD_GT_11 24259	142.29 4.05 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	170.34 11.35 -1.63	170.25 11.49 -11.78	163.17 12.09 -0.17	263.02 17.26 -1.36	277.42 18.43 -1.51	233.44 16.56 -1.58	194.83 15.68 -1.40	165.34 7.74 -75.03	161.87 8.22 -65.46	153.15 11.49 -18.46	154.73 12.50 -8.65	152.89 9.12 -45.35	158.48 12.05 -17.16	152.89 12.96 -1.16	195.99 15.60 -5.39	182.21 10.92 -50.01	161.47 7.15 -76.02	205.87 15.01 -29.52	167.72 10.17 -47.74	167.52 9.92 -49.44	171.45 13.45 -0.87
RAVENSWOOD_GT_4 24252	142.28 4.04 -88.49	148.47 10.55 0.00	165.80 11.57 0.00	179.44 11.32 -10.76	173.45 11.50 -14.97	164.11 12.09 -1.11	270.61 17.23 -8.99	285.86 18.41 -9.98	242.29 16.54 -10.45	202.65 15.65 -9.25	167.68 7.70 -77.41	181.77 8.19 -85.39	187.43 11.45 -52.78	170.39 12.49 -24.32	161.45 9.10 -53.92	227.14 12.03 -85.84	159.35 12.94 -7.62	202.10 15.58 -11.51	187.19 10.90 -55.01	170.60 7.13 -85.18	346.26 14.98 -169.94	173.01 10.16 -53.04	172.73 9.89 -54.68	176.30 13.43 -5.74
RAVENSWOOD_GT_5 24254	142.28 4.04 -88.49	148.47 10.55 0.00	165.80 11.57 0.00	179.44 11.32 -10.76	173.45 11.50 -14.97	164.11 12.09 -1.11	270.61 17.23 -8.99	285.86 18.41 -9.98	242.29 16.54 -10.45	202.65 15.65 -9.25	167.68 7.70 -77.41	181.77 8.19 -85.39	187.43 11.45 -52.78	170.39 12.49 -24.32	161.45 9.10 -53.92	227.14 12.03 -85.84	159.35 12.94 -7.62	202.10 15.58 -11.51	187.19 10.90 -55.01	170.60 7.13 -85.18	346.26 14.98 -169.94	173.01 10.16 -53.04	172.73 9.89 -54.68	176.30 13.43 -5.74
RAVENSWOOD_GT_6 24253	142.28 4.04 -88.49	148.47 10.55 0.00	165.80 11.57 0.00	179.44 11.32 -10.76	173.45 11.50 -14.97	164.11 12.09 -1.11	270.61 17.23 -8.99	285.86 18.41 -9.98	242.29 16.54 -10.45	202.65 15.65 -9.25	167.68 7.70 -77.41	181.77 8.19 -85.39	187.43 11.45 -52.78	170.39 12.49 -24.32	161.45 9.10 -53.92	227.14 12.03 -85.84	159.35 12.94 -7.62	202.10 15.58 -11.51	187.19 10.90 -55.01	170.60 7.13 -85.18	346.26 14.98 -169.94	173.01 10.16 -53.04	172.73 9.89 -54.68	176.30 13.43 -5.74
RAVENSWOOD_GT_7 24255	142.28 4.04 -88.49	148.47 10.55 0.00	165.80 11.57 0.00	179.44 11.32 -10.76	173.45 11.50 -14.97	164.11 12.09 -1.11	270.61 17.23 -8.99	285.86 18.41 -9.98	242.29 16.54 -10.45	202.65 15.65 -9.25	167.68 7.70 -77.41	181.77 8.19 -85.39	187.43 11.45 -52.78	170.39 12.49 -24.32	161.45 9.10 -53.92	227.14 12.03 -85.84	159.35 12.94 -7.62	202.10 15.58 -11.51	187.19 10.90 -55.01	170.60 7.13 -85.18	346.26 14.98 -169.94	173.01 10.16 -53.04	172.73 9.89 -54.68	176.30 13.43 -5.74
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	142.29 4.05 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	170.34 11.35 -1.63	170.25 11.49 -11.78	163.17 12.09 -0.17	263.02 17.26 -1.36	277.42 18.43 -1.51	233.44 16.56 -1.58	194.83 15.68 -1.40	165.34 7.74 -75.03	161.87 8.22 -65.46	153.15 11.49 -18.46	154.73 12.50 -8.65	152.89 9.12 -45.35	158.48 12.05 -17.16	152.89 12.96 -1.16	195.99 15.60 -5.39	182.21 10.92 -50.01	161.47 7.15 -76.02	205.87 15.01 -29.52	167.72 10.17 -47.74	167.52 9.92 -49.44	171.45 13.45 -0.87

RAVENSWOOD_GT_9 24257	142.29 4.05 -88.49	148.50 10.57 0.00	165.80 11.57 0.00	170.34 11.35 -1.63	170.25 11.49 -11.78	163.17 12.09 -0.17	263.02 17.26 -1.36	277.42 18.43 -1.51	233.44 16.56 -1.58	194.83 15.68 -1.40	165.34 7.74 -75.03	161.87 8.22 -65.46	153.15 11.49 -18.46	154.73 12.50 -8.65	152.89 9.12 -45.35	158.48 12.05 -17.16	152.89 12.96 -1.16	195.99 15.60 -5.39	182.21 10.92 -50.01	161.47 7.15 -76.02	205.87 15.01 -29.52	167.72 10.17 -47.74	167.52 9.92 -49.44	171.45 13.45 -0.87
RAVENSWOOD___1 23533	142.38 4.15 -88.49	148.77 10.85 0.00	166.14 11.91 0.00	155.04 11.60 13.92	165.06 11.72 -6.36	161.78 12.30 1.43	250.46 17.69 11.63	263.27 18.68 12.90	218.70 16.92 13.52	181.97 16.17 11.96	161.55 8.00 -70.97	128.24 8.53 -31.53	95.20 11.97 39.96	128.35 12.80 18.04	138.50 9.33 -30.75	41.84 12.36 99.79	142.09 13.17 9.86	185.74 15.77 5.03	173.92 11.12 -41.52	146.11 7.39 -60.42	-32.88 15.37 209.58	158.97 10.45 -38.70	158.76 10.08 -40.52	163.41 13.71 7.43
RAVENSWOOD___2 23534	142.31 4.08 -88.49	148.61 10.68 0.00	165.91 11.68 0.00	168.75 11.39 0.00	169.67 11.47 -11.21	163.00 12.08 0.00	261.63 17.24 0.00	275.25 17.77 0.00	231.63 16.34 0.00	193.58 15.83 0.00	165.12 7.89 -74.66	158.48 8.39 -61.90	147.34 11.80 -12.33	152.08 12.65 -5.85	151.45 9.21 -43.82	146.36 12.19 -4.90	151.80 13.02 0.00	194.81 15.50 -4.30	181.39 10.98 -49.12	159.98 7.29 -74.38	181.14 15.16 -4.64	166.92 10.32 -46.79	166.59 9.92 -48.51	170.65 13.53 0.00
RAVENSWOOD___3 23535	142.29 4.06 -88.49	148.51 10.58 0.00	165.81 11.58 0.00	168.71 11.35 0.00	169.71 11.51 -11.21	163.01 12.10 0.00	261.68 17.28 0.00	275.90 18.42 0.00	231.87 16.58 0.00	193.48 15.72 0.00	164.90 7.73 -74.60	158.36 8.26 -61.90	147.09 11.55 -12.33	151.94 12.51 -5.85	151.36 9.13 -43.82	146.24 12.07 -4.90	151.75 12.97 0.00	194.91 15.61 -4.30	181.33 10.93 -49.12	159.84 7.16 -74.38	180.79 15.01 -4.44	166.80 10.20 -46.79	166.57 9.91 -48.51	170.60 13.48 0.00
RAVENSWOOD___4 23820	142.38 4.15 -88.49	148.77 10.85 0.00	166.14 11.91 0.00	155.04 11.60 13.92	165.06 11.72 -6.36	161.78 12.30 1.43	250.46 17.69 11.63	263.27 18.68 12.90	218.70 16.92 13.52	181.97 16.17 11.96	161.55 8.00 -70.97	128.24 8.53 -31.53	95.20 11.97 39.96	128.35 12.80 18.04	138.50 9.33 -30.75	41.84 12.36 99.79	142.09 13.17 9.86	185.74 15.77 5.03	173.92 11.12 -41.52	146.11 7.39 -60.42	-32.88 15.37 209.58	158.97 10.45 -38.70	158.76 10.08 -40.52	163.41 13.71 7.43
RCPI_TRUST___DRP 24196	142.28 4.06 -88.47	148.51 10.58 0.00	165.81 11.58 0.00	168.71 11.35 0.00	169.75 11.55 -11.21	163.09 12.17 0.00	261.84 17.45 0.00	276.12 18.64 0.00	232.05 16.76 0.00	193.65 15.90 0.00	165.03 7.87 -74.59	158.46 8.37 -61.89	147.23 11.70 -12.33	152.20 12.77 -5.85	151.54 9.30 -43.81	146.46 12.29 -4.89	152.04 13.26 0.00	195.30 16.01 -4.30	181.56 11.16 -49.11	159.89 7.23 -74.37	180.91 15.13 -4.44	166.81 10.22 -46.78	166.63 9.97 -48.50	170.65 13.53 0.00
RED___ROCHESTER 323720	58.25 -1.66 -10.16	133.21 -4.71 0.00	149.02 -5.21 0.00	151.81 -5.55 0.00	141.84 -5.16 -0.02	144.84 -5.38 0.69	235.45 -8.94 0.00	247.01 -10.47 0.00	206.26 -8.45 0.59	171.10 -6.66 0.00	87.46 -3.53 -8.41	92.39 -3.33 -7.52	120.34 -4.36 -1.50	130.74 -3.56 -0.71	101.65 -2.11 -5.33	125.54 -3.27 0.46	133.52 -4.09 1.16	164.90 -5.46 4.64	121.79 -4.01 -4.52	84.29 -2.91 -8.91	154.93 -6.36 0.05	111.02 -4.35 -5.55	109.82 -4.12 -5.78	151.97 -5.16 0.00
REGAN___SOLAR 323812	172.24 3.68 -118.82	148.15 10.22 0.00	165.78 11.55 0.00	168.98 11.61 0.00	173.36 11.21 -15.17	162.59 11.68 0.00	263.89 19.50 0.00	278.92 21.43 0.00	231.53 16.23 0.00	187.04 9.28 0.00	186.32 2.80 -100.96	175.57 3.61 -83.77	143.84 3.95 -16.69	147.59 6.09 -7.91	162.49 4.77 -59.30	142.21 6.32 -6.62	149.35 10.58 0.00	196.18 15.35 -5.83	198.50 10.62 -66.61	185.83 6.68 -100.85	181.00 13.64 -6.02	182.37 9.13 -63.42	182.66 8.75 -65.75	169.46 12.33 0.00
RENSSELAER___COGEN 23796	159.02 2.16 -107.12	143.73 5.81 0.00	160.71 6.48 0.00	163.11 5.75 0.00	166.66 6.00 -13.68	156.90 5.99 0.00	252.28 7.89 0.00	265.74 8.26 0.00	222.42 7.13 0.00	184.47 6.72 0.00	176.76 3.19 -91.00	167.09 3.39 -75.51	143.18 4.94 -15.05	146.10 5.38 -7.13	155.88 4.01 -53.45	140.40 5.16 -5.97	144.04 5.26 0.00	186.55 6.29 -5.25	185.69 4.35 -60.05	171.93 2.70 -90.93	172.36 5.59 -5.43	170.89 3.90 -57.18	171.28 3.84 -59.28	162.75 5.62 0.00
REPUBLIC_115KV_BARTNBRK 55605	168.38 7.74 -110.90	158.87 20.94 0.00	177.22 22.99 0.00	179.01 21.65 0.00	183.06 21.92 -14.16	175.11 24.20 0.00	282.42 38.03 0.00	297.08 39.60 0.00	249.94 34.65 0.00	204.03 26.28 0.00	187.77 11.02 -94.17	177.26 10.93 -78.14	153.19 14.43 -15.55	157.91 16.95 -7.37	165.66 11.97 -55.26	152.80 17.35 -6.18	158.73 19.96 0.00	207.37 26.93 -5.44	202.22 18.79 -62.16	184.00 11.59 -94.11	189.42 22.46 -5.62	184.60 15.60 -59.18	185.38 15.86 -61.35	181.04 23.91 0.00
REVERE_CPDR_DRP 24186	56.31 2.32 -4.24	144.49 6.56 0.00	161.69 7.46 0.00	164.72 7.36 0.00	154.43 6.90 -0.54	158.58 7.67 0.00	257.57 13.18 0.00	272.28 14.80 0.00	228.03 12.74 0.00	188.19 10.43 0.00	90.83 4.65 -3.61	95.44 4.25 -3.00	129.64 5.85 -0.60	140.00 6.13 -0.28	105.16 4.62 -2.12	136.05 6.54 -0.24	146.64 7.86 0.00	185.44 10.22 -0.21	130.56 6.90 -2.38	86.14 4.24 -3.61	170.16 8.60 -0.21	117.92 5.83 -2.27	116.00 5.49 -2.35	164.71 7.58 0.00
REYNOLDS_115KV_TB3 80639	159.57 2.47 -107.36	144.58 6.65 0.00	161.66 7.44 0.00	164.24 6.88 0.00	167.82 7.13 -13.70	158.18 7.27 0.00	254.06 9.66 0.00	267.65 10.16 0.00	224.30 9.01 0.00	185.98 8.23 0.00	177.81 4.06 -91.17	168.07 4.23 -75.65	144.23 5.95 -15.07	147.31 6.58 -7.15	156.80 4.83 -53.55	141.48 6.23 -5.98	145.18 6.40 0.00	188.27 8.00 -5.26	186.96 5.49 -60.18	172.82 3.40 -91.12	173.81 7.03 -5.44	172.05 4.93 -57.30	172.47 4.90 -59.40	164.25 7.13 0.00
RIVERBAY____ 323610	142.39 4.16 -88.49	148.88 10.96 0.00	166.27 12.04 0.00	169.16 11.80 0.00	169.99 11.80 -11.21	163.43 12.51 0.00	262.96 18.56 0.00	276.88 19.40 0.00	232.74 17.45 0.00	194.05 16.29 0.00	165.13 7.95 -74.61	158.60 8.50 -61.90	147.71 12.18 -12.33	152.22 12.79 -5.85	151.62 9.38 -43.82	146.52 12.36 -4.90	151.98 13.20 0.00	195.16 15.86 -4.30	181.85 11.45 -49.12	160.29 7.61 -74.38	181.18 15.40 -4.44	167.27 10.67 -46.79	166.77 10.11 -48.51	171.15 14.02 0.00
RIVERSIDE_115KV_TB3 55908	159.66 2.31 -107.61	144.16 6.24 0.00	161.20 6.98 0.00	163.89 6.53 0.00	167.45 6.73 -13.74	157.74 6.83 0.00	253.53 9.14 0.00	267.06 9.57 0.00	223.69 8.40 0.00	185.54 7.79 0.00	177.70 3.74 -91.38	167.96 3.94 -75.83	143.98 5.66 -15.11	146.95 6.20 -7.17	156.69 4.59 -53.67	141.16 5.90 -6.00	144.85 6.07 0.00	187.72 7.44 -5.28	186.69 5.10 -60.31	172.80 3.18 -91.32	173.34 6.54 -5.45	171.81 4.56 -57.43	172.18 4.49 -59.53	163.69 6.56 0.00
ROARING___BROOK_WT_PWR 323790	49.39 -0.36 0.00	136.99 -0.94 0.00	153.25 -0.97 0.00	156.74 -0.62 0.00	146.12 -0.86 0.00	149.89 -1.03 0.00	243.44 -0.95 0.00	256.21 -1.27 0.00	213.88 -1.41 0.00	176.14 -1.61 0.00	81.69 -0.88 0.00	87.11 -1.08 0.00	121.42 -1.78 0.00	131.57 -2.01 0.00	97.00 -1.43 0.00	127.62 -1.65 0.00	137.13 -1.65 0.00	173.05 -1.95 0.00	119.84 -1.44 0.00	77.36 -0.94 0.00	159.55 -1.78 0.00	108.68 -1.13 0.00	107.08 -1.08 0.00	155.79 -1.34 0.00

ROCHESRG_115KV_T4 355643	57.58 -2.26 -10.09	131.71 -6.21 0.00	147.39 -6.84 0.00	150.26 -7.10 0.00	140.32 -6.70 -0.03	143.23 -7.00 0.68	232.66 -11.73 0.00	243.90 -13.58 0.00	203.61 -11.10 0.58	168.88 -8.87 0.00	86.32 -4.60 -8.35	91.14 -4.52 -7.47	118.66 -6.03 -1.49	128.96 -5.33 -0.71	100.26 -3.46 -5.29	124.92 -4.94 -0.59	132.82 -5.96 0.00	165.26 -7.82 1.92	120.96 -5.66 -5.34	83.28 -4.00 -8.99	153.00 -8.46 -0.12	109.57 -5.76 -5.51	108.44 -5.46 -5.74	150.27 -6.85 0.00
ROCHESTER_9_IC 23652	57.95 -1.95 -10.16	132.52 -5.40 0.00	148.27 -5.96 0.00	151.14 -6.22 0.00	141.15 -5.85 -0.02	144.13 -6.10 0.69	234.23 -10.16 0.00	245.66 -11.82 0.00	205.11 -9.59 0.59	170.13 -7.62 0.00	86.96 -4.02 -8.41	91.81 -3.90 -7.52	119.56 -5.14 -1.50	129.95 -4.35 -0.71	101.02 -2.73 -5.33	125.83 -4.03 -0.60	133.80 -4.98 0.00	166.48 -6.57 1.95	121.90 -4.75 -5.37	83.93 -3.42 -9.05	154.15 -7.31 -0.12	110.38 -4.99 -5.55	109.19 -4.75 -5.78	151.22 -5.90 0.00
ROCKVIEW_13_KV_LD 356306	142.28 4.06 -88.48	148.57 10.64 0.00	165.90 11.67 0.00	168.59 11.22 0.00	169.70 11.50 -11.21	162.95 12.03 0.00	261.72 17.32 0.00	276.12 18.64 0.00	231.87 16.58 0.00	193.18 15.43 0.00	164.87 7.70 -74.60	158.26 8.17 -61.90	146.95 11.41 -12.33	151.86 12.43 -5.85	151.32 9.08 -43.82	146.11 11.95 -4.90	151.67 12.89 0.00	195.01 15.71 -4.30	181.45 11.05 -49.12	159.87 7.19 -74.38	180.71 14.93 -4.44	166.67 10.07 -46.78	166.48 9.82 -48.50	170.52 13.40 0.00
ROME____115KV_TB2 80656	56.31 2.32 -4.24	144.49 6.56 0.00	161.69 7.46 0.00	164.72 7.36 0.00	154.43 6.90 -0.54	158.58 7.67 0.00	257.57 13.18 0.00	272.28 14.80 0.00	228.03 12.74 0.00	188.19 10.43 0.00	90.83 4.65 -3.61	95.44 4.25 -3.00	129.64 5.85 -0.60	140.00 6.13 -0.28	105.16 4.62 -2.12	136.05 6.54 -0.24	146.64 7.86 0.00	185.44 10.22 -0.21	130.56 6.90 -2.38	86.14 4.24 -3.61	170.16 8.60 -0.21	117.92 5.83 -2.27	116.00 5.49 -2.35	164.71 7.58 0.00
ROSETON___1 23587	140.61 3.23 -87.64	146.49 8.56 0.00	163.57 9.34 0.00	166.17 8.80 0.00	167.31 9.12 -11.21	160.39 9.47 0.00	257.28 12.88 0.00	271.26 13.78 0.00	227.62 12.33 0.00	189.39 11.63 0.00	163.11 5.97 -74.56	156.52 6.46 -61.87	144.56 9.03 -12.33	149.23 9.80 -5.85	149.41 7.19 -43.79	143.54 9.37 -4.89	148.88 10.10 0.00	191.68 12.38 -4.30	179.13 8.75 -49.10	158.31 5.66 -74.35	177.50 11.72 -4.44	164.56 7.98 -46.76	164.44 7.80 -48.48	167.94 10.81 0.00
ROSETON___2 23588	140.61 3.23 -87.64	146.49 8.56 0.00	163.57 9.34 0.00	166.17 8.80 0.00	167.31 9.12 -11.21	160.39 9.47 0.00	257.28 12.88 0.00	271.26 13.78 0.00	227.62 12.33 0.00	189.39 11.63 0.00	163.11 5.97 -74.56	156.52 6.46 -61.87	144.56 9.03 -12.33	149.23 9.80 -5.85	149.41 7.19 -43.79	143.54 9.37 -4.89	148.88 10.10 0.00	191.68 12.38 -4.30	179.13 8.75 -49.10	158.31 5.66 -74.35	177.50 11.72 -4.44	164.56 7.98 -46.76	164.44 7.80 -48.48	167.94 10.81 0.00
ROTRDAM_115KV_TB3 80664	164.19 2.25 -112.20	144.08 6.15 0.00	161.20 6.97 0.00	164.04 6.67 0.00	167.93 6.62 -14.33	157.78 6.87 0.00	254.31 9.91 0.00	267.97 10.49 0.00	224.39 9.10 0.00	185.30 7.54 0.00	181.41 3.52 -95.31	171.09 3.81 -79.09	144.15 5.19 -15.76	146.86 5.81 -7.47	158.78 4.38 -55.98	141.25 5.72 -6.25	145.27 6.49 0.00	188.84 8.34 -5.50	190.00 5.83 -62.89	177.17 3.64 -95.22	174.50 7.48 -5.69	174.85 5.15 -59.88	175.27 5.04 -62.08	164.32 7.19 0.00
RUSSELL___1 23602	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
RUSSELL___2 23532	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
RUSSELL___3 23549	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
RUSSELL___4 23556	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
RUSSELL___STATION 23914	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
S SALMON___HYD 24043	55.61 -0.32 -6.18	136.82 -1.11 0.00	153.07 -1.16 0.00	155.84 -1.53 0.00	146.48 -1.30 -0.79	149.83 -1.09 0.00	243.26 -1.13 0.00	257.06 -0.42 0.00	215.08 -0.21 0.00	177.37 -0.38 0.00	87.35 -0.49 -5.27	91.91 -0.65 -4.37	122.75 -1.32 -0.87	132.66 -1.34 -0.41	100.71 -0.81 -3.09	128.92 -0.69 -0.35	138.62 -0.16 0.00	175.36 0.05 -0.30	124.69 -0.06 -3.47	83.14 -0.42 -5.26	160.86 -0.79 -0.31	112.69 -0.43 -3.31	110.99 -0.60 -3.43	156.31 -0.81 0.00
S.PERRY__115KV_TB1 80734	62.75 -0.81 -13.81	135.81 -2.11 0.00	152.55 -1.68 0.00	154.83 -2.54 0.00	143.02 -2.46 1.50	145.07 -4.08 1.76	231.97 -12.42 0.00	245.34 -12.14 0.00	204.34 -9.34 1.61	169.82 -7.94 0.00	89.69 -4.04 -11.16	94.99 -3.91 -10.72	120.34 -4.98 -2.12	131.21 -3.38 -1.01	104.49 -1.48 -7.54	127.76 -2.35 -0.84	135.80 -2.98 0.00	165.14 -4.27 5.59	125.24 -2.95 -6.91	89.03 -2.08 -12.81	157.88 -3.16 0.30	115.10 -2.42 -7.70	113.94 -2.26 -8.04	154.28 -2.85 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	58.79 -3.98 -13.02	127.19 -10.74 0.00	142.53 -11.70 0.00	145.23 -12.13 0.00	134.86 -11.63 0.49	137.56 -12.20 1.16	223.84 -20.55 0.00	233.27 -24.21 0.00	194.44 -19.87 0.98	161.99 -15.76 0.00	84.98 -8.26 -10.67	89.82 -8.12 -9.75	114.21 -10.94 -1.95	124.50 -10.01 -0.92	98.59 -6.76 -6.92	120.78 -9.26 -0.77	127.78 -11.00 0.00	156.94 -14.55 3.51	117.33 -10.69 -6.74	82.56 -7.50 -11.76	145.83 -15.50 0.01	106.45 -10.53 -7.16	105.90 -9.72 -7.46	145.35 -11.77 0.00

SAWYER___23_KV_LOAD 55526	58.79 -3.98 -13.02	127.19 -10.74 0.00	142.53 -11.70 0.00	145.23 -12.13 0.00	134.86 -11.63 0.49	137.56 -12.20 1.16	223.84 -20.55 0.00	233.27 -24.21 0.00	194.44 -19.87 0.98	161.99 -15.76 0.00	84.98 -8.26 -10.67	89.82 -8.12 -9.75	114.21 -10.94 -1.95	124.50 -10.01 -0.92	98.59 -6.76 -6.92	120.78 -9.26 -0.77	127.78 -11.00 0.00	156.94 -14.55 3.51	117.33 -10.69 -6.74	82.56 -7.50 -11.76	145.83 -15.50 0.01	106.45 -10.53 -7.16	105.90 -9.72 -7.46	145.35 -11.77 0.00
SELKIRK___I 23801	157.54 2.21 -105.58	144.00 6.08 0.00	161.18 6.96 0.00	163.88 6.52 0.00	167.01 6.54 -13.48	157.50 6.58 0.00	253.39 9.00 0.00	266.80 9.32 0.00	223.10 7.81 0.00	184.52 6.77 0.00	175.43 3.18 -89.68	166.20 3.59 -74.42	143.08 5.05 -14.83	146.22 5.60 -7.03	155.26 4.16 -52.67	140.50 5.34 -5.88	144.48 5.71 0.00	187.19 7.01 -5.18	185.26 4.82 -59.16	170.92 3.04 -89.58	173.00 6.31 -5.35	170.55 4.41 -56.33	170.89 4.33 -58.40	163.45 6.33 0.00
SELKIRK___II 23799	158.45 2.10 -106.61	143.65 5.73 0.00	160.69 6.46 0.00	163.26 5.90 0.00	166.64 6.04 -13.61	157.03 6.12 0.00	252.46 8.07 0.00	265.91 8.43 0.00	222.66 7.37 0.00	184.61 6.86 0.00	176.46 3.34 -90.55	166.94 3.61 -75.14	143.33 5.16 -14.97	146.31 5.63 -7.10	155.77 4.16 -53.18	140.50 5.29 -5.94	144.27 5.49 0.00	186.88 6.65 -5.23	185.64 4.62 -59.74	171.66 2.90 -90.46	172.78 6.04 -5.40	170.88 4.18 -56.88	171.25 4.12 -58.97	163.09 5.97 0.00
SENECA OSWGO___HYD 24041	55.68 -1.01 -6.94	134.80 -3.13 0.00	150.80 -3.43 0.00	153.61 -3.75 0.00	144.58 -3.30 -0.89	147.66 -3.26 0.00	239.11 -5.28 0.00	252.29 -5.19 0.00	211.14 -4.15 0.00	174.58 -3.17 0.00	86.95 -1.53 -5.92	91.47 -1.63 -4.91	121.73 -2.45 -0.98	131.65 -2.40 -0.46	100.28 -1.62 -3.47	127.53 -2.13 -0.39	136.39 -2.39 0.00	172.20 -3.15 -0.34	123.04 -2.14 -3.90	82.72 -1.48 -5.90	158.54 -3.15 -0.35	111.33 -2.20 -3.71	109.72 -2.29 -3.85	153.77 -3.35 0.00
SENECA___115KV_TB3 355854	59.83 -3.48 -13.57	128.61 -9.32 0.00	144.17 -10.06 0.00	146.76 -10.60 0.00	136.30 -10.10 0.59	139.19 -10.48 1.25	226.95 -17.44 0.00	237.18 -20.30 0.00	197.86 -16.39 1.04	164.92 -12.83 0.00	86.73 -6.94 -11.10	91.62 -6.74 -10.17	116.22 -9.01 -2.04	126.58 -7.97 -0.96	100.29 -5.36 -7.23	122.76 -7.32 -0.81	129.91 -8.87 0.00	159.28 -11.92 3.80	119.33 -8.96 -7.01	84.17 -6.41 -12.28	148.25 -13.06 0.03	108.38 -8.91 -7.47	107.75 -8.19 -7.78	147.37 -9.75 0.00
SENECA___ENERGY 23797	59.84 -0.98 -11.08	134.93 -2.99 0.00	151.13 -3.10 0.00	153.80 -3.56 0.00	144.88 -3.07 -0.97	147.76 -2.91 0.24	239.74 -4.65 0.00	253.30 -4.18 0.00	211.84 -3.23 0.22	174.72 -3.03 0.00	90.16 -1.76 -9.35	94.60 -1.55 -7.96	122.84 -1.94 -1.59	133.01 -1.33 -0.75	103.11 -0.94 -5.63	128.54 -1.36 -0.63	137.45 -1.33 0.00	172.78 -1.90 0.32	126.10 -1.28 -6.10	86.98 -0.89 -9.57	158.96 -2.80 -0.42	113.72 -2.06 -5.97	112.31 -2.05 -6.19	154.24 -2.89 0.00
SHOEMAKER___GT 23640	131.71 2.84 -79.12	145.50 7.58 0.00	162.60 8.37 0.00	165.26 7.89 0.00	165.38 8.15 -10.25	159.40 8.49 0.00	256.24 11.85 0.00	270.22 12.74 0.00	226.68 11.39 0.00	188.23 10.48 0.00	156.02 5.27 -68.17	150.46 5.70 -56.57	142.32 7.84 -11.27	147.44 8.51 -5.34	144.73 6.26 -40.04	141.92 8.17 -4.47	147.71 8.93 0.00	189.98 11.05 -3.93	174.01 7.84 -44.90	151.33 5.05 -67.98	175.89 10.49 -4.06	159.74 7.17 -42.76	159.47 6.98 -44.33	166.69 9.56 0.00
SHOEMAKR_138KV_BK 111 55601	131.18 2.81 -78.63	145.41 7.48 0.00	162.48 8.25 0.00	165.18 7.81 0.00	165.24 8.07 -10.18	159.32 8.40 0.00	256.10 11.71 0.00	270.18 12.70 0.00	226.51 11.22 0.00	188.19 10.43 0.00	155.57 5.28 -67.71	150.07 5.69 -56.19	142.24 7.84 -11.20	147.41 8.52 -5.31	144.46 6.27 -39.77	141.90 8.18 -4.44	147.68 8.90 0.00	189.91 11.00 -3.90	173.65 7.78 -44.59	150.86 5.03 -67.52	175.81 10.44 -4.03	159.40 7.11 -42.47	159.11 6.92 -44.03	166.63 9.50 0.00
SHOREHAM_IC_1 23715	143.13 4.92 -88.46	155.05 13.54 -3.59	167.87 13.65 0.00	169.39 12.03 0.00	172.04 13.85 -11.21	164.43 13.51 0.00	258.96 14.57 0.00	275.61 18.13 0.00	230.88 15.59 0.00	193.30 15.55 0.00	165.95 8.80 -74.57	158.99 7.60 -63.20	149.88 11.28 -15.40	154.87 12.48 -8.80	154.89 8.91 -47.55	153.72 12.45 -12.00	183.60 14.92 -29.90	195.14 15.84 -4.30	182.27 11.88 -49.11	160.87 7.61 -74.96	181.05 15.27 -4.44	165.79 9.20 -46.77	164.85 8.20 -48.49	168.12 10.99 0.00
SHOREHAM_IC_2 23716	143.13 4.92 -88.46	155.05 13.54 -3.59	167.87 13.65 0.00	169.39 12.03 0.00	172.04 13.85 -11.21	164.43 13.51 0.00	258.96 14.57 0.00	275.61 18.13 0.00	230.88 15.59 0.00	193.30 15.55 0.00	165.95 8.80 -74.57	158.99 7.60 -63.20	149.88 11.28 -15.40	154.87 12.48 -8.80	154.89 8.91 -47.55	153.72 12.45 -12.00	183.60 14.92 -29.90	195.14 15.84 -4.30	182.27 11.88 -49.11	160.87 7.61 -74.96	181.05 15.27 -4.44	165.79 9.20 -46.77	164.85 8.20 -48.49	168.12 10.99 0.00
SISSONVILLE____ 23735	48.81 -0.93 0.00	135.39 -2.54 0.00	152.24 -1.99 0.00	157.15 -0.21 0.00	145.31 -1.67 0.00	147.97 -2.95 0.00	239.98 -4.42 0.00	252.60 -4.89 0.00	210.18 -5.11 0.00	171.45 -6.30 0.00	79.05 -3.52 0.00	83.98 -4.21 0.00	116.97 -6.24 0.00	126.27 -7.31 0.00	93.01 -5.41 0.00	122.79 -6.48 0.00	132.38 -6.40 0.00	166.87 -8.13 0.00	115.57 -5.70 0.00	74.79 -3.50 0.00	154.83 -6.50 0.00	106.41 -3.41 0.00	105.30 -2.87 0.00	154.22 -2.90 0.00
SITHE_IND_GS1 24169	53.37 -1.82 -5.44	132.78 -5.15 0.00	148.52 -5.70 0.00	151.40 -5.96 0.00	142.28 -5.40 -0.70	145.41 -5.50 0.00	235.21 -9.18 0.00	247.88 -9.60 0.00	207.48 -7.82 0.00	171.43 -6.33 0.00	84.21 -2.99 -4.63	88.87 -3.16 -3.84	119.57 -4.39 -0.77	129.40 -4.55 -0.36	97.92 -3.22 -2.72	125.27 -4.31 -0.30	134.08 -4.70 0.00	169.31 -5.96 -0.27	120.16 -4.17 -3.05	80.14 -2.78 -4.62	155.81 -5.80 -0.28	108.78 -3.95 -2.91	107.25 -3.92 -3.01	151.49 -5.63 0.00
SITHE_IND_GS2 24170	53.37 -1.82 -5.44	132.78 -5.15 0.00	148.52 -5.70 0.00	151.40 -5.96 0.00	142.28 -5.40 -0.70	145.41 -5.50 0.00	235.21 -9.18 0.00	247.88 -9.60 0.00	207.48 -7.82 0.00	171.43 -6.33 0.00	84.21 -2.99 -4.63	88.87 -3.16 -3.84	119.57 -4.39 -0.77	129.40 -4.55 -0.36	97.92 -3.22 -2.72	125.27 -4.31 -0.30	134.08 -4.70 0.00	169.31 -5.96 -0.27	120.16 -4.17 -3.05	80.14 -2.78 -4.62	155.81 -5.80 -0.28	108.78 -3.95 -2.91	107.25 -3.92 -3.01	151.49 -5.63 0.00
SITHE_IND_GS3 24171	53.37 -1.82 -5.44	132.78 -5.15 0.00	148.52 -5.70 0.00	151.40 -5.96 0.00	142.28 -5.40 -0.70	145.41 -5.50 0.00	235.21 -9.18 0.00	247.88 -9.60 0.00	207.48 -7.82 0.00	171.43 -6.33 0.00	84.21 -2.99 -4.63	88.87 -3.16 -3.84	119.57 -4.39 -0.77	129.40 -4.55 -0.36	97.92 -3.22 -2.72	125.27 -4.31 -0.30	134.08 -4.70 0.00	169.31 -5.96 -0.27	120.16 -4.17 -3.05	80.14 -2.78 -4.62	155.81 -5.80 -0.28	108.78 -3.95 -2.91	107.25 -3.92 -3.01	151.49 -5.63 0.00
SITHE_IND_GS4 24172	53.37 -1.82 -5.44	132.78 -5.15 0.00	148.52 -5.70 0.00	151.40 -5.96 0.00	142.28 -5.40 -0.70	145.41 -5.50 0.00	235.21 -9.18 0.00	247.88 -9.60 0.00	207.48 -7.82 0.00	171.43 -6.33 0.00	84.21 -2.99 -4.63	88.87 -3.16 -3.84	119.57 -4.39 -0.77	129.40 -4.55 -0.36	97.92 -3.22 -2.72	125.27 -4.31 -0.30	134.08 -4.70 0.00	169.31 -5.96 -0.27	120.16 -4.17 -3.05	80.14 -2.78 -4.62	155.81 -5.80 -0.28	108.78 -3.95 -2.91	107.25 -3.92 -3.01	151.49 -5.63 0.00

SITHE___BATAVIA 24024	59.14 -2.19 -11.58	132.03 -5.90 0.00	147.78 -6.45 0.00	150.66 -6.70 0.00	140.35 -6.41 0.22	143.41 -6.58 0.92	233.13 -11.26 0.00	243.73 -13.75 0.00	203.33 -11.21 0.75	168.61 -9.14 0.00	86.64 -5.48 -9.55	91.22 -5.59 -8.62	117.35 -7.57 -1.72	128.28 -6.11 -0.82	100.36 -4.18 -6.12	122.83 -5.51 0.93	130.91 -6.09 1.78	160.59 -7.67 6.74	120.23 -5.81 -4.76	84.18 -4.29 -10.17	152.11 -9.05 0.18	109.94 -6.23 -6.35	108.96 -5.81 -6.61	150.62 -6.51 0.00
SITHE___INDEPEND 23800	53.36 -1.82 -5.44	132.78 -5.15 0.00	148.52 -5.71 0.00	151.39 -5.97 0.00	142.28 -5.40 -0.70	145.42 -5.49 0.00	235.23 -9.16 0.00	247.90 -9.58 0.00	207.47 -7.82 0.00	171.46 -6.29 0.00	84.21 -2.99 -4.63	88.87 -3.16 -3.84	119.61 -4.35 -0.77	129.41 -4.54 -0.36	97.91 -3.23 -2.72	125.27 -4.30 -0.30	134.08 -4.69 0.00	169.31 -5.96 -0.27	120.17 -4.17 -3.05	80.15 -2.78 -4.62	155.81 -5.81 -0.28	108.77 -3.95 -2.91	107.24 -3.94 -3.01	151.49 -5.63 0.00
SITHE___MASSENA 23902	48.77 -0.97 0.00	135.38 -2.55 0.00	152.06 -2.17 0.00	156.76 -0.60 0.00	145.53 -1.45 0.00	148.96 -1.96 0.00	243.16 -1.23 0.00	255.62 -1.87 0.00	212.56 -2.73 0.00	174.16 -3.60 0.00	80.18 -2.39 0.00	85.22 -2.97 0.00	118.89 -4.31 0.00	128.45 -5.13 0.00	94.50 -3.93 0.00	124.49 -4.78 0.00	134.01 -4.76 0.00	169.27 -5.74 0.00	117.32 -3.96 0.00	75.84 -2.46 0.00	156.35 -4.99 0.00	106.90 -2.91 0.00	105.25 -2.91 0.00	153.61 -3.52 0.00
SITHE___OGDNSBRG 24021	49.48 -0.26 0.00	137.37 -0.55 0.00	154.32 0.09 0.00	159.32 1.96 0.00	147.54 0.56 0.00	150.84 -0.08 0.00	246.19 1.80 0.00	259.10 1.62 0.00	215.08 -0.22 0.00	175.06 -2.69 0.00	80.15 -2.42 0.00	84.91 -3.28 0.00	118.11 -5.10 0.00	127.42 -6.16 0.00	93.68 -4.74 0.00	123.64 -5.63 0.00	134.27 -4.51 0.00	170.75 -4.26 0.00	118.40 -2.88 0.00	76.58 -1.72 0.00	158.16 -3.18 0.00	108.31 -1.51 0.00	106.90 -1.27 0.00	156.17 -0.95 0.00
SITHE___STERLING 23777	56.36 1.62 -4.99	142.63 4.71 0.00	159.74 5.51 0.00	162.68 5.32 0.00	152.74 5.12 -0.64	156.68 5.76 0.00	254.10 9.71 0.00	268.48 11.00 0.00	224.89 9.60 0.00	185.69 7.94 0.00	90.43 3.60 -4.25	94.91 3.19 -3.53	128.56 4.66 -0.70	138.84 4.93 -0.33	104.55 3.63 -2.50	134.54 4.99 -0.28	144.76 5.98 0.00	182.86 7.62 -0.24	129.19 5.11 -2.80	85.70 3.16 -4.24	168.01 6.42 -0.25	116.78 4.30 -2.67	114.94 4.02 -2.77	162.62 5.50 0.00
SLEIGHT__34_KV_TB1 80719	58.40 -1.47 -10.13	133.82 -4.10 0.00	149.69 -4.54 0.00	152.80 -4.57 0.00	143.26 -4.34 -0.62	146.38 -4.17 0.37	237.62 -6.77 0.00	250.22 -7.27 0.00	209.13 -5.84 0.32	173.02 -4.73 0.00	88.51 -2.56 -8.49	93.09 -2.44 -7.34	121.44 -3.22 -1.46	131.57 -2.70 -0.69	101.96 -1.66 -5.20	127.34 -2.51 -0.58	135.81 -2.97 0.00	170.37 -3.83 0.81	124.02 -2.77 -5.51	85.05 -2.08 -8.83	156.98 -4.66 -0.30	112.07 -3.22 -5.48	110.72 -3.13 -5.69	153.11 -4.01 0.00
SOUTH CAIRO___GT 23612	156.52 4.48 -102.30	150.56 12.63 0.00	168.35 14.12 0.00	171.05 13.69 0.00	173.48 13.43 -13.07	164.95 14.04 0.00	266.66 22.27 0.00	281.66 24.18 0.00	235.29 20.00 0.00	193.98 16.23 0.00	176.30 6.80 -86.93	167.41 7.09 -72.13	147.16 9.58 -14.37	150.86 10.46 -6.82	157.39 7.91 -51.06	146.08 11.10 -5.70	151.30 12.52 0.00	196.24 16.22 -5.02	189.65 11.03 -57.34	171.92 6.80 -86.82	180.69 14.17 -5.19	173.66 9.24 -54.60	173.69 8.93 -56.60	170.34 13.21 0.00
SOUTH HAMPTN___IC 23720	143.75 5.54 -88.46	156.79 15.28 -3.59	169.92 15.69 0.00	171.44 14.08 0.00	173.92 15.73 -11.21	166.15 15.23 0.00	261.92 17.53 0.00	278.71 21.23 0.00	233.53 18.24 0.00	195.81 18.06 0.00	166.96 9.82 -74.57	160.14 8.77 -63.18	151.49 12.91 -15.37	156.58 14.21 -8.79	156.18 10.22 -47.53	155.48 14.24 -11.97	185.45 16.78 -29.89	197.90 18.60 -4.30	184.18 13.79 -49.11	161.90 8.64 -74.96	182.97 17.20 -4.44	167.04 10.45 -46.77	166.12 9.47 -48.49	170.01 12.89 0.00
SOUTHDOW_115KV_TB1 355954	61.89 -2.40 -14.55	130.97 -6.96 0.00	147.43 -6.80 0.00	150.67 -6.70 0.00	140.24 -5.91 0.84	143.28 -6.19 1.45	235.04 -9.35 0.00	248.44 -9.04 0.00	208.38 -5.79 1.12	173.70 -4.06 0.00	91.41 -3.02 -11.86	96.30 -2.77 -10.88	121.17 -4.23 -2.19	131.83 -2.79 -1.04	104.40 -1.81 -7.79	127.70 -2.44 -0.87	135.26 -3.52 0.00	165.40 -5.12 4.47	124.56 -4.19 -7.46	88.09 -3.45 -13.24	154.38 -6.86 0.09	112.99 -4.86 -8.03	112.07 -4.47 -8.37	152.09 -5.03 0.00
SOUTHOLD_69_KV_BK 2 55809	144.62 6.42 -88.46	159.16 17.65 -3.59	172.56 18.34 0.00	174.14 16.78 0.00	176.38 18.18 -11.21	166.72 15.81 0.00	261.13 16.74 0.00	278.12 20.63 0.00	232.82 17.52 0.00	198.29 20.54 0.00	168.25 11.11 -74.57	161.50 10.12 -63.18	153.31 14.74 -15.37	158.56 16.19 -8.79	157.67 11.71 -47.54	157.59 16.36 -11.97	188.00 19.33 -29.89	201.35 22.06 -4.30	186.63 16.24 -49.11	163.09 9.83 -74.96	185.02 19.23 -4.44	168.15 11.57 -46.77	167.39 10.74 -48.49	171.73 14.61 0.00
SOUTHOLD___IC 23719	144.62 6.42 -88.46	159.16 17.65 -3.59	172.53 18.31 0.00	174.14 16.78 0.00	176.37 18.18 -11.21	166.71 15.80 0.00	261.13 16.74 0.00	278.11 20.63 0.00	232.83 17.54 0.00	198.30 20.55 0.00	168.27 11.13 -74.57	161.50 10.12 -63.18	153.34 14.76 -15.37	158.57 16.20 -8.79	157.67 11.71 -47.54	157.61 16.37 -11.97	188.01 19.34 -29.89	201.34 22.04 -4.30	186.63 16.24 -49.11	163.08 9.83 -74.96	185.01 19.23 -4.44	168.22 11.64 -46.77	167.36 10.72 -48.49	171.74 14.62 0.00
SOUTH_FORK_WT_PWR 323839	144.63 6.42 -88.46	159.20 17.68 -3.59	172.58 18.36 0.00	174.18 16.82 0.00	176.36 18.17 -11.21	167.66 16.75 0.00	263.61 19.21 0.00	280.67 23.18 0.00	234.97 19.68 0.00	198.66 20.91 0.00	168.27 11.13 -74.57	161.46 10.09 -63.18	153.26 14.68 -15.37	158.48 16.11 -8.79	157.63 11.67 -47.53	157.54 16.31 -11.97	188.01 19.34 -29.89	201.21 21.91 -4.30	186.62 16.24 -49.11	162.83 9.57 -74.96	184.19 18.41 -4.44	167.53 10.95 -46.77	166.81 10.17 -48.49	170.96 13.84 0.00
SPIERFLS_115KV_TB 1 80737	165.09 4.30 -111.04	149.69 11.77 0.00	167.38 13.15 0.00	169.98 12.62 0.00	173.74 12.58 -14.18	164.49 13.58 0.00	265.39 21.00 0.00	279.53 22.05 0.00	234.81 19.51 0.00	192.76 15.01 0.00	183.50 6.58 -94.35	173.12 6.65 -78.29	148.28 9.49 -15.59	151.81 10.83 -7.39	161.71 7.91 -55.37	146.17 10.71 -6.19	151.23 12.45 0.00	196.80 16.35 -5.45	194.85 11.30 -62.27	179.58 7.00 -94.28	180.98 14.01 -5.63	178.69 9.58 -59.29	179.08 9.45 -61.46	170.97 13.84 0.00
ST LAWRENCE____ 23600	48.66 -1.08 0.00	135.07 -2.85 0.00	151.06 -3.17 0.00	155.05 -2.31 0.00	144.13 -2.86 0.00	147.74 -3.17 0.00	241.23 -3.17 0.00	253.52 -3.96 0.00	211.07 -4.22 0.00	173.19 -4.56 0.00	80.10 -2.47 0.00	85.44 -2.75 0.00	119.26 -3.94 0.00	128.94 -4.64 0.00	94.80 -3.62 0.00	124.83 -4.44 0.00	134.29 -4.49 0.00	169.57 -5.43 0.00	117.56 -3.72 0.00	75.98 -2.32 0.00	156.56 -4.78 0.00	106.63 -3.19 0.00	105.14 -3.02 0.00	153.21 -3.91 0.00
STATE_CA_115KV_115_LB 55624	160.41 2.32 -108.34	144.23 6.31 0.00	161.27 7.04 0.00	164.05 6.68 0.00	167.69 6.88 -13.83	157.83 6.92 0.00	253.93 9.54 0.00	267.55 10.07 0.00	223.98 8.69 0.00	185.74 7.98 0.00	178.33 3.75 -92.01	168.58 4.04 -76.35	144.22 5.81 -15.21	147.18 6.39 -7.21	157.19 4.72 -54.04	141.40 6.09 -6.04	145.14 6.36 0.00	188.02 7.71 -5.31	187.30 5.30 -60.72	173.55 3.31 -91.94	173.61 6.78 -5.49	172.30 4.67 -57.82	172.63 4.53 -59.94	163.76 6.63 0.00

STATE_ST_34_KV_LOAD 55959	60.91 -0.25 -11.42	137.09 -0.83 0.00	153.42 -0.80 0.00	156.60 -0.76 0.00	148.80 -0.47 -2.28	151.16 -0.19 -0.44	243.51 -0.88 0.00	257.83 0.35 0.00	216.39 0.72 -0.38	178.14 0.39 0.00	92.30 -0.15 -9.87	96.06 0.01 -7.85	124.95 0.18 -1.56	134.79 0.47 -0.74	104.32 0.35 -5.55	130.27 0.38 -0.62	139.59 0.81 0.00	178.38 1.25 -2.13	128.76 0.87 -6.62	88.17 0.43 -9.43	162.79 0.62 -0.83	116.19 0.35 -6.02	114.61 0.22 -6.23	157.47 0.34 0.00
STATION_5_MISC_HYD 23604	57.97 -1.94 -10.16	132.52 -5.40 0.00	148.27 -5.96 0.00	151.13 -6.24 0.00	141.14 -5.87 -0.02	144.10 -6.13 0.69	234.21 -10.18 0.00	245.63 -11.85 0.00	205.03 -9.67 0.59	170.04 -7.71 0.00	86.95 -4.03 -8.41	91.80 -3.91 -7.52	119.50 -5.20 -1.50	129.89 -4.40 -0.71	101.02 -2.73 -5.33	124.74 -4.07 0.46	132.68 -4.94 1.16	163.82 -6.55 4.64	121.00 -4.80 -4.52	83.79 -3.41 -8.91	153.95 -7.34 0.05	110.35 -5.02 -5.55	109.20 -4.74 -5.78	151.17 -5.95 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	58.79 -1.12 -10.17	134.70 -3.22 0.00	150.83 -3.40 0.00	153.66 -3.70 0.00	143.67 -3.34 -0.03	146.94 -3.29 0.68	239.32 -5.07 0.00	251.74 -5.74 0.00	210.02 -4.67 0.60	173.82 -3.93 0.00	88.72 -2.28 -8.42	93.61 -2.12 -7.53	121.97 -2.73 -1.50	132.35 -1.94 -0.71	102.74 -1.02 -5.33	128.28 -1.58 -0.60	136.67 -2.10 0.00	170.27 -2.79 1.95	124.62 -2.04 -5.38	85.77 -1.59 -9.06	157.74 -3.72 -0.12	112.76 -2.62 -5.56	111.45 -2.50 -5.78	154.04 -3.09 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	57.72 -2.10 -10.08	132.08 -5.84 0.00	147.83 -6.40 0.00	150.68 -6.68 0.00	140.76 -6.26 -0.04	143.78 -6.46 0.67	233.71 -10.68 0.00	245.24 -12.24 0.00	204.73 -9.99 0.58	169.77 -7.98 0.00	86.75 -4.17 -8.35	91.57 -4.07 -7.46	119.30 -5.38 -1.49	129.58 -4.70 -0.71	100.69 -3.02 -5.28	125.51 -4.36 -0.59	133.52 -5.26 0.00	166.20 -6.90 1.91	121.64 -4.97 -5.33	83.71 -3.56 -8.98	153.84 -7.62 -0.13	110.11 -5.22 -5.51	108.91 -4.98 -5.73	150.76 -6.37 0.00
STA_56__34_KV_BUS2 355983	57.72 -2.10 -10.08	132.08 -5.84 0.00	147.83 -6.40 0.00	150.68 -6.68 0.00	140.76 -6.26 -0.04	143.78 -6.46 0.67	233.71 -10.68 0.00	245.24 -12.24 0.00	204.73 -9.99 0.58	169.77 -7.98 0.00	86.75 -4.17 -8.35	91.57 -4.07 -7.46	119.30 -5.38 -1.49	129.58 -4.70 -0.71	100.69 -3.02 -5.28	125.51 -4.36 -0.59	133.52 -5.26 0.00	166.20 -6.90 1.91	121.64 -4.97 -5.33	83.71 -3.56 -8.98	153.84 -7.62 -0.13	110.11 -5.22 -5.51	108.91 -4.98 -5.73	150.76 -6.37 0.00
STA_67__115KV_BK2 355882	57.83 -2.07 -10.15	132.20 -5.72 0.00	147.95 -6.28 0.00	150.78 -6.58 0.00	140.86 -6.15 -0.02	143.80 -6.43 0.69	233.62 -10.77 0.00	244.97 -12.51 0.00	204.53 -10.17 0.59	169.64 -8.11 0.00	86.72 -4.26 -8.40	91.55 -4.16 -7.51	119.20 -5.50 -1.50	129.54 -4.75 -0.71	100.72 -3.02 -5.32	125.48 -4.39 -0.60	133.44 -5.34 0.00	165.99 -7.06 1.95	121.55 -5.10 -5.37	83.70 -3.65 -9.04	153.70 -7.76 -0.12	110.07 -5.30 -5.55	108.91 -5.02 -5.77	150.86 -6.26 0.00
STA_7__115KV_9TRANS 80674	58.23 -1.68 -10.16	133.20 -4.72 0.00	149.02 -5.21 0.00	151.83 -5.53 0.00	141.88 -5.13 -0.02	144.86 -5.37 0.69	235.51 -8.88 0.00	247.11 -10.36 0.00	206.29 -8.41 0.59	171.15 -6.60 0.00	87.46 -3.52 -8.41	92.39 -3.32 -7.52	120.37 -4.33 -1.50	130.77 -3.52 -0.71	101.63 -2.12 -5.33	126.65 -3.21 -0.60	134.66 -4.12 0.00	167.55 -5.50 1.96	122.68 -3.97 -5.37	84.43 -2.92 -9.05	155.12 -6.35 -0.12	111.04 -4.33 -5.55	109.79 -4.15 -5.78	152.02 -5.10 0.00
STA_82__115KV_TB1 80780	57.90 -2.05 -10.20	132.26 -5.66 0.00	148.01 -6.22 0.00	150.89 -6.47 0.00	140.90 -6.09 -0.01	143.84 -6.38 0.69	233.76 -10.63 0.00	245.14 -12.34 0.00	204.62 -10.07 0.60	169.66 -8.10 0.00	86.76 -4.26 -8.45	91.60 -4.15 -7.56	119.23 -5.47 -1.51	129.58 -4.71 -0.71	100.77 -3.01 -5.35	125.53 -4.34 -0.60	133.51 -5.27 0.00	166.09 -6.94 1.97	121.66 -5.02 -5.39	83.79 -3.61 -9.09	153.75 -7.70 -0.12	110.17 -5.22 -5.58	109.01 -4.95 -5.80	150.92 -6.21 0.00
STEEL__WIND 323596	59.76 -3.55 -13.57	128.34 -9.58 0.00	143.86 -10.37 0.00	146.48 -10.89 0.00	136.03 -10.37 0.59	138.92 -10.74 1.25	226.51 -17.89 0.00	236.67 -20.81 0.00	197.46 -16.79 1.04	164.52 -13.23 0.00	86.64 -7.03 -11.10	91.49 -6.88 -10.17	115.99 -9.24 -2.04	126.37 -8.18 -0.96	100.17 -5.49 -7.23	120.13 -7.61 1.53	127.10 -9.10 2.58	153.08 -12.17 9.75	117.14 -9.25 -5.12	83.65 -6.60 -11.95	147.49 -13.44 0.41	108.29 -8.99 -7.47	107.68 -8.26 -7.78	147.10 -10.02 0.00
STEPHTWN_115KV_BK_2 55603	159.81 2.94 -107.12	146.05 8.13 0.00	163.19 8.96 0.00	165.46 8.09 0.00	169.12 8.47 -13.68	159.60 8.69 0.00	256.96 12.57 0.00	270.68 13.20 0.00	226.52 11.23 0.00	185.73 7.98 0.00	177.31 3.74 -91.00	167.68 3.98 -75.51	143.98 5.73 -15.05	148.28 7.57 -7.13	157.58 5.71 -53.45	142.81 7.57 -5.97	146.71 7.93 0.00	190.26 10.00 -5.25	188.05 6.72 -60.05	173.56 4.34 -90.93	175.68 8.91 -5.43	172.96 5.97 -57.18	173.19 5.75 -59.28	165.34 8.21 0.00
STEUBEN_REC_LFGE 323667	62.62 -3.22 -16.09	129.16 -8.76 0.00	146.49 -7.74 0.00	147.15 -10.22 0.00	131.89 -9.67 5.42	138.81 -8.09 4.02	231.93 -12.46 0.00	244.98 -12.50 0.00	203.86 -7.71 3.72	171.65 -6.10 0.00	90.71 -4.21 -12.35	98.48 -3.32 -13.60	122.38 -3.50 -2.68	132.87 -1.98 -1.27	107.12 -0.81 -9.51	129.37 -0.96 -1.06	137.05 -1.73 0.00	158.00 -3.44 13.56	125.67 -2.74 -7.12	92.38 -2.08 -16.16	155.11 -4.75 1.48	115.87 -3.29 -9.35	114.70 -3.27 -9.81	153.55 -3.58 0.00
STILLWATER__SOLAR 323814	163.88 3.68 -110.46	147.95 10.03 0.00	165.46 11.23 0.00	168.15 10.79 0.00	171.78 10.69 -14.10	162.28 11.37 0.00	261.47 17.08 0.00	275.54 18.06 0.00	230.86 15.57 0.00	190.18 12.43 0.00	182.04 5.66 -93.81	171.83 5.79 -77.84	146.77 8.06 -15.51	150.11 9.17 -7.35	160.30 6.79 -55.09	144.64 9.22 -6.16	149.13 10.35 0.00	193.98 13.56 -5.42	192.53 9.33 -61.92	177.86 5.81 -93.75	178.78 11.84 -5.60	176.87 8.10 -58.95	177.29 8.01 -61.12	168.76 11.64 0.00
STONY__BROOK 24151	143.05 4.85 -88.46	154.96 13.44 -3.59	167.81 13.58 0.00	169.27 11.91 0.00	171.91 13.71 -11.21	164.46 13.54 0.00	260.60 16.21 0.00	277.85 20.37 0.00	233.02 17.73 0.00	195.01 17.26 0.00	166.24 9.10 -74.57	160.09 8.66 -63.23	151.51 12.86 -15.45	156.65 14.24 -8.83	156.12 10.12 -47.57	155.08 13.76 -12.05	184.12 15.41 -29.93	197.22 17.92 -4.30	183.44 13.05 -49.11	161.69 8.44 -74.96	182.78 17.00 -4.44	167.25 10.66 -46.77	166.31 9.66 -48.49	170.31 13.18 0.00
STURGEON_POOL_HYD 23609	143.15 3.61 -89.79	147.69 9.76 0.00	165.00 10.77 0.00	167.63 10.27 0.00	168.89 10.42 -11.49	161.84 10.93 0.00	259.93 15.54 0.00	274.14 16.66 0.00	230.22 14.93 0.00	191.44 13.69 0.00	165.79 6.79 -76.43	158.92 7.31 -63.42	145.93 10.10 -12.64	150.52 10.95 -5.99	151.29 7.98 -44.89	144.71 10.43 -5.02	150.17 11.39 0.00	193.50 14.09 -4.41	181.53 9.89 -50.36	160.94 6.38 -76.25	179.28 13.39 -4.56	166.75 8.97 -47.95	166.66 8.78 -49.72	169.36 12.24 0.00
ST_LAW_115_BK7_LBMP 345037	48.57 -1.17 0.00	134.83 -3.09 0.00	150.86 -3.37 0.00	154.97 -2.39 0.00	143.98 -3.01 0.00	147.52 -3.39 0.00	241.00 -3.39 0.00	253.28 -4.21 0.00	210.78 -4.51 0.00	172.85 -4.90 0.00	79.88 -2.69 0.00	85.18 -3.01 0.00	118.89 -4.31 0.00	128.53 -5.05 0.00	94.49 -3.94 0.00	124.44 -4.83 0.00	133.85 -4.93 0.00	169.03 -5.97 0.00	117.19 -4.09 0.00	75.76 -2.54 0.00	156.10 -5.24 0.00	106.38 -3.43 0.00	104.89 -3.27 0.00	152.90 -4.23 0.00

ST_LAW_115_BK8_LBMP 345038	48.57 -1.17 0.00	134.83 -3.09 0.00	150.86 -3.37 0.00	154.97 -2.39 0.00	143.98 -3.01 0.00	147.52 -3.39 0.00	241.00 -3.39 0.00	253.28 -4.21 0.00	210.78 -4.51 0.00	172.85 -4.90 0.00	79.88 -2.69 0.00	85.18 -3.01 0.00	118.89 -4.31 0.00	128.53 -5.05 0.00	94.49 -3.94 0.00	124.44 -4.83 0.00	133.85 -4.93 0.00	169.03 -5.97 0.00	117.19 -4.09 0.00	75.76 -2.54 0.00	156.10 -5.24 0.00	106.38 -3.43 0.00	104.89 -3.27 0.00	152.90 -4.23 0.00
ST_LAW_230_BK5_LBMP 345035	48.66 -1.08 0.00	135.07 -2.85 0.00	151.06 -3.17 0.00	155.05 -2.31 0.00	144.13 -2.86 0.00	147.74 -3.17 0.00	241.23 -3.17 0.00	253.52 -3.96 0.00	211.07 -4.22 0.00	173.19 -4.56 0.00	80.10 -2.47 0.00	85.44 -2.75 0.00	119.26 -3.94 0.00	128.94 -4.64 0.00	94.80 -3.62 0.00	124.83 -4.44 0.00	134.29 -4.49 0.00	169.57 -5.43 0.00	117.56 -3.72 0.00	75.98 -2.32 0.00	156.56 -4.78 0.00	106.63 -3.19 0.00	105.14 -3.02 0.00	153.21 -3.91 0.00
ST_LAW_230_BK6_LBMP 345036	48.66 -1.08 0.00	135.07 -2.85 0.00	151.06 -3.17 0.00	155.05 -2.31 0.00	144.13 -2.86 0.00	147.74 -3.17 0.00	241.23 -3.17 0.00	253.52 -3.96 0.00	211.07 -4.22 0.00	173.19 -4.56 0.00	80.10 -2.47 0.00	85.44 -2.75 0.00	119.26 -3.94 0.00	128.94 -4.64 0.00	94.80 -3.62 0.00	124.83 -4.44 0.00	134.29 -4.49 0.00	169.57 -5.43 0.00	117.56 -3.72 0.00	75.98 -2.32 0.00	156.56 -4.78 0.00	106.63 -3.19 0.00	105.14 -3.02 0.00	153.21 -3.91 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	133.57 3.06 -80.76	146.08 8.16 0.00	163.24 9.02 0.00	165.94 8.57 0.00	166.39 8.93 -10.48	160.26 9.34 0.00	257.49 13.09 0.00	271.60 14.12 0.00	227.84 12.55 0.00	189.52 11.76 0.00	158.22 5.95 -69.70	152.40 6.37 -57.84	143.53 8.81 -11.52	148.62 9.57 -5.46	146.38 7.01 -40.94	142.97 9.13 -4.58	148.74 9.96 0.00	191.23 12.21 -4.02	175.81 8.63 -45.90	153.40 5.60 -69.50	177.13 11.64 -4.15	161.41 7.88 -43.72	161.17 7.69 -45.32	167.63 10.51 0.00
SWANROAD_115KV_TB1 355699	57.42 -4.90 -12.57	124.78 -13.14 0.00	139.68 -14.54 0.00	142.45 -14.91 0.00	132.30 -14.30 0.39	134.91 -14.93 1.08	217.97 -26.42 0.00	226.17 -31.31 0.00	188.32 -26.08 0.89	156.94 -20.81 0.00	82.19 -10.71 -10.33	86.82 -10.77 -9.39	110.46 -14.62 -1.88	120.54 -13.93 -0.89	95.44 -9.65 -6.67	116.95 -13.06 -0.74	123.63 -15.15 0.00	152.15 -19.67 3.18	113.55 -14.27 -6.54	79.81 -9.82 -11.33	141.44 -19.93 -0.03	102.94 -13.79 -6.91	102.69 -12.66 -7.19	142.08 -15.05 0.00
SYNERGY___BIOGAS 323694	59.14 -2.19 -11.58	132.03 -5.90 0.00	147.78 -6.45 0.00	150.66 -6.70 0.00	140.35 -6.41 0.22	143.41 -6.58 0.92	233.13 -11.26 0.00	243.73 -13.75 0.00	203.33 -11.21 0.75	168.61 -9.14 0.00	86.64 -5.48 -9.55	91.22 -5.59 -8.62	117.35 -7.57 -1.72	128.28 -6.11 -0.82	100.36 -4.18 -6.12	122.83 -5.51 0.93	130.91 -6.09 1.78	160.59 -7.67 6.74	120.23 -5.81 -4.76	84.18 -4.29 -10.17	152.11 -9.05 0.18	109.94 -6.23 -6.35	108.96 -5.81 -6.61	150.62 -6.51 0.00
SYRACUSE___ENERGY_ST1 323597	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00
SYRACUSE___ENERGY_ST2 323598	58.16 -0.47 -8.89	136.48 -1.45 0.00	152.66 -1.57 0.00	155.59 -1.77 0.00	146.65 -1.47 -1.14	149.54 -1.38 0.00	242.13 -2.26 0.00	255.65 -1.84 0.00	213.93 -1.36 0.00	176.74 -1.01 0.00	89.60 -0.54 -7.57	93.97 -0.51 -6.28	123.76 -0.70 -1.25	133.67 -0.51 -0.59	102.62 -0.24 -4.45	129.47 -0.30 -0.50	138.44 -0.33 0.00	174.88 -0.56 -0.44	125.90 -0.37 -4.99	85.50 -0.36 -7.55	160.92 -0.87 -0.45	113.91 -0.65 -4.75	112.36 -0.73 -4.92	155.98 -1.14 0.00
SYRACUSE___POWER 24017	58.81 -0.41 -9.48	136.61 -1.31 0.00	152.87 -1.36 0.00	155.68 -1.68 0.00	147.40 -1.35 -1.77	149.96 -1.25 -0.30	242.35 -2.04 0.00	255.80 -1.68 0.00	214.39 -1.17 -0.26	176.96 -0.80 0.00	90.31 -0.44 -8.18	94.34 -0.40 -6.55	124.02 -0.49 -1.30	133.92 -0.28 -0.62	102.99 -0.07 -4.64	129.70 -0.08 -0.52	138.61 -0.17 0.00	176.15 -0.38 -1.53	126.51 -0.23 -5.47	85.89 -0.29 -7.88	161.31 -0.68 -0.65	114.31 -0.52 -5.02	112.70 -0.65 -5.19	156.14 -0.99 0.00
TALLMAN___138KV_BK151 55660	135.38 3.17 -82.46	146.35 8.42 0.00	163.50 9.27 0.00	166.25 8.89 0.00	167.08 9.34 -10.76	160.80 9.88 0.00	258.27 13.88 0.00	272.40 14.92 0.00	228.58 13.28 0.00	190.33 12.57 0.00	160.54 6.41 -71.56	154.34 6.77 -59.38	144.38 9.35 -11.83	149.38 10.19 -5.61	147.95 7.50 -42.03	143.72 9.76 -4.70	149.41 10.63 0.00	192.08 12.96 -4.12	177.57 9.17 -47.12	155.62 5.97 -71.35	178.00 12.40 -4.26	163.09 8.39 -44.88	162.88 8.19 -46.53	168.19 11.06 0.00
TEALLAVE_115KV_TB7 355573	56.71 -0.76 -7.73	135.72 -2.21 0.00	151.80 -2.43 0.00	154.67 -2.70 0.00	145.60 -2.38 -0.99	148.65 -2.27 0.00	240.66 -3.73 0.00	253.89 -3.59 0.00	212.59 -2.71 0.00	175.71 -2.04 0.00	88.16 -0.99 -6.59	92.66 -1.00 -5.46	122.93 -1.36 -1.09	132.90 -1.20 -0.52	101.54 -0.75 -3.87	128.71 -1.00 -0.43	137.62 -1.16 0.00	173.73 -1.65 -0.38	124.44 -1.18 -4.34	83.97 -0.90 -6.57	159.78 -1.95 -0.39	112.57 -1.38 -4.13	110.98 -1.46 -4.28	155.01 -2.11 0.00
TELGRAPH_34_KV_EAST 80808	58.08 -3.65 -11.99	128.12 -9.80 0.00	143.44 -10.79 0.00	146.22 -11.14 0.00	136.05 -10.64 0.29	138.89 -11.03 0.98	225.26 -19.13 0.00	234.69 -22.79 0.00	195.69 -18.81 0.79	162.78 -14.97 0.00	84.46 -7.99 -9.88	89.17 -7.97 -8.95	114.22 -10.76 -1.79	124.66 -9.77 -0.85	98.06 -6.71 -6.35	120.85 -9.12 -0.71	128.19 -10.59 0.00	158.33 -13.83 2.85	117.36 -10.19 -6.26	81.95 -7.14 -10.78	146.77 -14.64 -0.07	106.28 -10.11 -6.58	105.65 -9.36 -6.85	146.10 -11.02 0.00
TEMPLE___115KV_TB 2 55572	56.84 -0.74 -7.84	135.76 -2.16 0.00	151.89 -2.34 0.00	154.71 -2.66 0.00	145.71 -2.28 -1.00	148.71 -2.21 0.00	240.72 -3.67 0.00	254.00 -3.49 0.00	212.66 -2.64 0.00	175.82 -1.93 0.00	88.29 -0.95 -6.68	92.76 -0.97 -5.54	123.05 -1.26 -1.10	133.02 -1.09 -0.52	101.69 -0.66 -3.92	128.79 -0.91 -0.44	137.69 -1.09 0.00	173.81 -1.57 -0.39	124.60 -1.08 -4.40	84.12 -0.84 -6.66	159.87 -1.87 -0.40	112.70 -1.30 -4.19	111.13 -1.38 -4.34	155.13 -1.99 0.00
TIANA____69_KV_BK 1 55817	143.59 5.38 -88.46	156.32 14.81 -3.59	169.38 15.15 0.00	170.87 13.51 0.00	173.38 15.19 -11.21	165.76 14.84 0.00	261.37 16.98 0.00	278.18 20.70 0.00	233.08 17.79 0.00	195.28 17.53 0.00	166.69 9.55 -74.57	159.89 8.51 -63.18	151.09 12.51 -15.37	156.19 13.82 -8.79	155.89 9.93 -47.54	155.05 13.82 -11.97	184.98 16.32 -29.89	197.36 18.06 -4.30	183.78 13.39 -49.11	161.72 8.47 -74.96	182.71 16.93 -4.44	166.86 10.28 -46.77	165.97 9.32 -48.49	169.75 12.63 0.00
TILDEN___115KV_TB1 80814	58.81 -0.41 -9.48	136.61 -1.31 0.00	152.87 -1.36 0.00	155.68 -1.68 0.00	147.40 -1.35 -1.77	149.96 -1.25 -0.30	242.35 -2.04 0.00	255.80 -1.68 0.00	214.39 -1.17 -0.26	176.96 -0.80 0.00	90.31 -0.44 -8.18	94.34 -0.40 -6.55	124.02 -0.49 -1.30	133.92 -0.28 -0.62	102.99 -0.07 -4.64	129.70 -0.08 -0.52	138.61 -0.17 0.00	176.15 -0.38 -1.53	126.51 -0.23 -5.47	85.89 -0.29 -7.88	161.31 -0.68 -0.65	114.31 -0.52 -5.02	112.70 -0.65 -5.19	156.14 -0.99 0.00

TRIGEN___CC 323695	142.62 4.41 -88.46	153.31 11.79 -3.59	166.54 12.31 0.00	168.62 11.26 0.00	170.46 12.27 -11.21	163.49 12.57 0.00	261.66 17.27 0.00	277.16 19.68 0.00	232.72 17.43 0.00	194.00 16.24 0.00	165.54 8.39 -74.57	168.01 8.58 -71.23	162.48 12.33 -26.95	161.71 13.55 -14.57	161.54 9.76 -53.35	166.87 13.01 -24.60	190.50 14.09 -37.63	196.06 16.76 -4.30	182.30 11.91 -49.11	161.06 7.81 -74.96	181.72 15.94 -4.44	166.92 10.33 -46.77	166.36 9.72 -48.49	170.31 13.19 0.00
TRINITY___115KV___4 BK 55933	159.31 2.17 -107.40	143.81 5.88 0.00	160.75 6.53 0.00	163.43 6.07 0.00	167.00 6.31 -13.71	157.26 6.35 0.00	252.87 8.48 0.00	266.30 8.82 0.00	223.01 7.72 0.00	184.95 7.20 0.00	177.19 3.42 -91.19	167.49 3.62 -75.67	143.52 5.24 -15.08	146.49 5.76 -7.15	156.24 4.25 -53.56	140.74 5.49 -5.99	144.40 5.62 0.00	187.09 6.82 -5.26	186.13 4.67 -60.18	172.32 2.90 -91.12	172.79 6.01 -5.44	171.30 4.19 -57.30	171.66 4.09 -59.41	163.18 6.06 0.00
UNION___PROCESSING_DRP 323587	57.93 -2.03 -10.22	132.31 -5.62 0.00	148.09 -6.13 0.00	150.93 -6.43 0.00	140.97 -6.03 -0.02	143.92 -6.30 0.69	233.86 -10.53 0.00	245.23 -12.25 0.00	204.71 -9.99 0.60	169.77 -7.98 0.00	86.84 -4.20 -8.46	91.66 -4.09 -7.56	119.29 -5.42 -1.51	129.64 -4.66 -0.72	100.82 -2.97 -5.36	125.57 -4.30 -0.60	133.56 -5.22 0.00	166.13 -6.90 1.97	121.69 -4.99 -5.40	83.83 -3.57 -9.10	153.84 -7.62 -0.12	110.20 -5.20 -5.58	109.04 -4.93 -5.81	150.96 -6.17 0.00
UPPER HUDSON___HYD 24058	165.09 4.30 -111.04	149.69 11.77 0.00	167.37 13.14 0.00	169.98 12.62 0.00	173.74 12.58 -14.18	164.49 13.57 0.00	265.39 21.00 0.00	279.53 22.05 0.00	234.81 19.52 0.00	192.76 15.01 0.00	183.50 6.58 -94.35	173.12 6.65 -78.29	148.28 9.49 -15.59	151.80 10.83 -7.39	161.71 7.91 -55.37	146.17 10.71 -6.19	151.23 12.45 0.00	196.79 16.34 -5.45	194.85 11.30 -62.27	179.58 7.00 -94.28	180.96 13.99 -5.63	178.70 9.60 -59.29	179.09 9.46 -61.46	170.96 13.84 0.00
UPPER RAQUET___HYD 24056	48.81 -0.93 0.00	135.38 -2.54 0.00	152.24 -1.99 0.00	157.15 -0.21 0.00	145.32 -1.67 0.00	147.96 -2.95 0.00	239.97 -4.42 0.00	252.60 -4.88 0.00	210.18 -5.11 0.00	171.47 -6.28 0.00	79.06 -3.52 0.00	83.99 -4.21 0.00	116.94 -6.26 0.00	126.27 -7.31 0.00	93.01 -5.42 0.00	122.80 -6.47 0.00	132.38 -6.40 0.00	166.87 -8.13 0.00	115.58 -5.70 0.00	74.80 -3.50 0.00	154.83 -6.51 0.00	106.39 -3.42 0.00	105.30 -2.86 0.00	154.22 -2.91 0.00
VALLEY44_115KV_TB2 355964	62.20 -2.73 -15.18	131.34 -6.58 0.00	147.40 -6.83 0.00	149.60 -7.76 0.00	139.15 -6.96 0.87	141.60 -7.80 1.51	230.26 -14.13 0.00	242.63 -14.85 0.00	203.33 -10.79 1.17	169.26 -8.49 0.00	90.29 -4.66 -12.37	94.82 -4.72 -11.36	119.79 -5.70 -2.29	130.16 -4.50 -1.09	103.06 -3.49 -8.13	125.52 -4.66 -0.91	132.80 -5.98 0.00	161.46 -8.88 4.67	121.92 -7.15 -7.78	86.74 -5.37 -13.81	151.27 -9.97 0.10	111.43 -6.77 -8.38	111.13 -5.76 -8.73	150.43 -6.69 0.00
VALLEY___115KV_TB 1-4 80826	51.50 1.76 0.00	142.80 4.87 0.00	159.95 5.73 0.00	162.63 5.26 0.00	152.53 5.55 0.00	156.85 5.94 0.00	252.24 7.85 0.00	266.79 9.30 0.00	222.84 7.55 0.00	183.48 5.73 0.00	85.27 2.70 0.00	91.21 3.01 0.00	127.11 3.91 0.00	138.42 4.84 0.00	102.22 3.79 0.00	134.09 4.82 0.00	144.41 5.64 0.00	182.69 7.69 0.00	126.71 5.43 0.00	81.70 3.40 0.00	168.32 6.98 0.00	114.63 4.82 0.00	112.73 4.57 0.00	163.40 6.27 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	91.79 4.20 -37.84	149.90 11.98 0.00	167.91 13.68 0.00	170.98 13.62 0.00	164.74 12.90 -4.85	164.05 13.14 0.00	265.22 20.83 0.00	279.88 22.40 0.00	234.58 19.29 0.00	194.05 16.29 0.00	122.32 7.48 -32.27	123.11 8.14 -26.77	140.06 11.52 -5.33	148.76 12.65 -2.53	126.73 9.36 -18.95	143.63 12.24 -2.12	152.27 13.49 0.00	193.39 16.53 -1.86	153.94 11.40 -21.27	117.77 7.27 -32.20	178.40 15.13 -1.92	140.47 10.41 -20.25	139.15 9.99 -20.99	171.31 14.19 0.00
VISCHER___FERRY HYD 24020	161.49 3.00 -108.75	146.02 8.09 0.00	163.22 8.99 0.00	165.85 8.48 0.00	169.49 8.62 -13.88	159.97 9.05 0.00	257.05 12.66 0.00	270.92 13.44 0.00	227.13 11.84 0.00	187.84 10.09 0.00	179.85 4.92 -92.35	169.78 4.96 -76.63	145.38 6.91 -15.27	148.52 7.70 -7.24	158.31 5.65 -54.24	142.82 7.49 -6.06	146.69 7.91 0.00	190.63 10.30 -5.33	189.39 7.14 -60.97	175.01 4.40 -92.32	175.91 9.06 -5.51	174.19 6.32 -58.05	174.66 6.31 -60.19	166.35 9.22 0.00
V_A_10_SYNC_DSASP 323832	57.46 -3.64 -11.36	127.91 -10.02 0.00	143.25 -10.97 0.00	145.97 -11.39 0.00	135.96 -10.86 0.17	138.53 -11.51 0.87	224.60 -19.79 0.00	234.30 -23.18 0.00	195.54 -19.00 0.75	162.49 -15.27 0.00	84.27 -7.65 -9.35	89.02 -7.61 -8.44	114.64 -10.25 -1.69	124.86 -9.52 -0.80	98.08 -6.33 -5.99	119.25 -8.92 1.10	126.26 -10.56 1.95	153.99 -13.93 7.08	115.67 -10.13 -4.51	81.25 -6.98 -9.93	146.64 -14.48 0.21	106.37 -9.67 -6.22	105.65 -8.98 -6.48	145.89 -11.24 0.00
V_CMM_10_SYNC_DSASP 323787	48.63 -1.12 0.00	135.06 -2.87 0.00	151.13 -3.10 0.00	155.23 -2.13 0.00	144.23 -2.76 0.00	147.79 -3.13 0.00	241.32 -3.07 0.00	253.56 -3.92 0.00	211.01 -4.28 0.00	173.06 -4.69 0.00	79.99 -2.58 0.00	85.29 -2.90 0.00	119.11 -4.09 0.00	128.76 -4.82 0.00	94.67 -3.75 0.00	124.65 -4.62 0.00	134.12 -4.66 0.00	169.37 -5.64 0.00	117.40 -3.88 0.00	75.89 -2.40 0.00	156.37 -4.97 0.00	106.58 -3.23 0.00	105.10 -3.06 0.00	153.19 -3.93 0.00
V_CMP_10_SYNC_DSASP 323788	50.41 0.67 0.00	139.81 1.88 0.00	156.52 2.29 0.00	160.02 2.66 0.00	149.00 2.02 0.00	152.17 1.26 0.00	246.16 1.77 0.00	258.72 1.24 0.00	216.17 0.88 0.00	177.04 -0.72 0.00	81.70 -0.87 0.00	86.73 -1.46 0.00	120.62 -2.58 0.00	130.25 -3.33 0.00	96.06 -2.37 0.00	127.22 -2.05 0.00	137.46 -1.31 0.00	173.95 -1.06 0.00	120.66 -0.62 0.00	77.70 -0.59 0.00	159.41 -1.93 0.00	108.59 -1.23 0.00	107.40 -0.76 0.00	157.57 0.44 0.00
V_D_10_SYNC_DSASP 323841	48.79 -0.96 0.00	135.42 -2.50 0.00	152.07 -2.16 0.00	156.74 -0.62 0.00	145.53 -1.45 0.00	148.97 -1.94 0.00	243.16 -1.23 0.00	255.62 -1.87 0.00	212.62 -2.67 0.00	174.21 -3.55 0.00	80.21 -2.37 0.00	85.25 -2.94 0.00	118.96 -4.25 0.00	128.53 -5.05 0.00	94.54 -3.88 0.00	124.54 -4.73 0.00	134.07 -4.71 0.00	169.37 -5.64 0.00	117.35 -3.93 0.00	75.87 -2.43 0.00	156.43 -4.91 0.00	106.94 -2.87 0.00	105.29 -2.88 0.00	153.69 -3.43 0.00
V_E_10_SYNC_DSASP 323830	82.06 3.91 -28.40	148.40 10.48 0.00	165.96 11.74 0.00	169.44 12.08 0.00	165.67 11.55 -7.13	164.32 11.53 -1.88	264.83 20.44 0.00	282.51 25.03 0.00	240.46 23.54 -1.62	197.34 19.59 0.00	115.81 8.38 -24.85	115.41 8.09 -19.14	139.24 12.23 -3.81	150.19 14.80 -1.81	123.33 11.37 -13.54	146.91 15.61 -2.03	157.81 18.45 -0.57	207.74 23.32 -9.42	154.27 15.72 -17.27	111.40 10.02 -23.08	184.55 20.61 -2.60	138.42 13.76 -14.85	135.54 12.05 -15.34	173.55 16.43 0.00
V_F_30_NSYNC___DSASP 323816	164.17 3.71 -110.72	148.02 10.09 0.00	165.51 11.28 0.00	168.22 10.86 0.00	171.89 10.77 -14.14	162.35 11.44 0.00	261.65 17.26 0.00	275.74 18.26 0.00	231.02 15.73 0.00	190.33 12.58 0.00	182.37 5.76 -94.04	172.15 5.93 -78.03	146.96 8.21 -15.55	150.22 9.26 -7.37	160.52 6.87 -55.23	144.79 9.36 -6.17	149.26 10.49 0.00	194.12 13.68 -5.43	192.79 9.44 -62.07	178.15 5.88 -93.98	178.90 11.95 -5.61	177.11 8.20 -59.10	177.46 8.03 -61.26	168.80 11.67 0.00

V_F_30_SYNC_DSASP 323786	160.34 2.32 -108.27	144.23 6.31 0.00	161.24 7.02 0.00	164.05 6.68 0.00	167.65 6.85 -13.82	157.83 6.92 0.00	253.93 9.54 0.00	267.53 10.05 0.00	223.93 8.64 0.00	185.72 7.96 0.00	178.27 3.75 -91.94	168.53 4.04 -76.29	144.19 5.79 -15.20	147.15 6.36 -7.21	157.14 4.71 -54.00	141.38 6.08 -6.03	145.12 6.34 0.00	188.02 7.71 -5.31	187.26 5.30 -60.68	173.48 3.30 -91.87	173.58 6.75 -5.49	172.25 4.66 -57.77	172.58 4.53 -59.90	163.76 6.63 0.00
V_XM_10_SYNC_DSASP 323789	50.41 0.67 0.00	139.81 1.88 0.00	156.52 2.29 0.00	160.02 2.66 0.00	149.00 2.02 0.00	152.17 1.26 0.00	246.16 1.77 0.00	258.72 1.24 0.00	216.17 0.88 0.00	177.04 -0.72 0.00	81.70 -0.87 0.00	86.73 -1.46 0.00	120.62 -2.58 0.00	130.25 -3.33 0.00	96.06 -2.37 0.00	127.22 -2.05 0.00	137.46 -1.31 0.00	173.95 -1.06 0.00	120.66 -0.62 0.00	77.70 -0.59 0.00	159.41 -1.93 0.00	108.59 -1.23 0.00	107.40 -0.76 0.00	157.57 0.44 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	135.77 3.31 -82.70	146.73 8.80 0.00	163.92 9.69 0.00	166.65 9.29 0.00	167.64 9.84 -10.82	161.38 10.46 0.00	259.21 14.82 0.00	273.45 15.97 0.00	229.51 14.22 0.00	191.04 13.28 0.00	161.27 6.73 -71.97	155.03 7.12 -59.72	144.94 9.84 -11.90	149.94 10.72 -5.64	148.58 7.88 -42.27	144.27 10.27 -4.72	149.94 11.16 0.00	192.81 13.66 -4.15	178.33 9.65 -47.39	156.34 6.28 -71.76	178.65 13.02 -4.29	163.77 8.81 -45.14	163.54 8.58 -46.79	168.75 11.63 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	142.28 4.06 -88.47	148.51 10.58 0.00	165.81 11.58 0.00	168.71 11.35 0.00	169.76 11.56 -11.21	163.09 12.17 0.00	261.84 17.45 0.00	276.12 18.64 0.00	232.05 16.76 0.00	193.65 15.90 0.00	165.03 7.87 -74.59	158.46 8.37 -61.89	147.23 11.70 -12.33	152.20 12.77 -5.85	151.54 9.30 -43.81	146.46 12.29 -4.89	152.04 13.26 0.00	195.30 16.01 -4.30	181.56 11.16 -49.11	159.89 7.23 -74.37	180.92 15.14 -4.44	166.81 10.22 -46.78	166.63 9.97 -48.50	170.65 13.53 0.00
W50THST__13_KV_LOAD 356117	142.53 4.32 -88.47	149.19 11.26 0.00	166.57 12.34 0.00	169.45 12.09 0.00	170.52 12.32 -11.21	163.91 12.99 0.00	263.27 18.88 0.00	277.67 20.18 0.00	233.43 18.14 0.00	194.94 17.18 0.00	165.65 8.49 -74.59	159.14 9.06 -61.89	148.22 12.69 -12.33	153.30 13.87 -5.85	152.32 10.09 -43.81	147.48 13.32 -4.89	153.17 14.39 0.00	196.74 17.44 -4.30	182.46 12.06 -49.11	160.40 7.73 -74.37	181.95 16.17 -4.44	167.40 10.80 -46.78	167.17 10.51 -48.50	171.42 14.30 0.00
WADING RIVER_IC_1 23522	143.05 4.84 -88.46	154.89 13.38 -3.59	167.72 13.49 0.00	169.21 11.85 0.00	171.88 13.69 -11.21	164.20 13.29 0.00	258.48 14.09 0.00	274.86 17.37 0.00	230.32 15.03 0.00	192.90 15.14 0.00	165.86 8.71 -74.57	158.79 7.42 -63.18	149.62 11.05 -15.37	154.60 12.23 -8.79	154.70 8.74 -47.53	153.47 12.24 -11.96	183.42 14.76 -29.88	194.65 15.35 -4.30	182.00 11.61 -49.11	160.67 7.41 -74.96	180.64 14.86 -4.44	165.46 8.87 -46.77	164.52 7.88 -48.49	167.68 10.56 0.00
WADING RIVER_IC_2 23547	143.05 4.84 -88.46	154.89 13.38 -3.59	167.72 13.49 0.00	169.21 11.85 0.00	171.88 13.69 -11.21	164.20 13.29 0.00	258.48 14.09 0.00	274.86 17.37 0.00	230.32 15.03 0.00	192.90 15.14 0.00	165.86 8.71 -74.57	158.79 7.42 -63.18	149.62 11.05 -15.37	154.60 12.23 -8.79	154.70 8.74 -47.53	153.47 12.24 -11.96	183.42 14.76 -29.88	194.65 15.35 -4.30	182.00 11.61 -49.11	160.67 7.41 -74.96	180.64 14.86 -4.44	165.46 8.87 -46.77	164.52 7.88 -48.49	167.68 10.56 0.00
WADING RIVER_IC_3 23601	143.05 4.84 -88.46	154.89 13.38 -3.59	167.72 13.49 0.00	169.21 11.85 0.00	171.88 13.69 -11.21	164.20 13.29 0.00	258.48 14.09 0.00	274.86 17.37 0.00	230.32 15.03 0.00	192.90 15.14 0.00	165.86 8.71 -74.57	158.79 7.42 -63.18	149.62 11.05 -15.37	154.60 12.23 -8.79	154.70 8.74 -47.53	153.47 12.24 -11.96	183.42 14.76 -29.88	194.65 15.35 -4.30	182.00 11.61 -49.11	160.67 7.41 -74.96	180.64 14.86 -4.44	165.46 8.87 -46.77	164.52 7.88 -48.49	167.68 10.56 0.00
WALDENNY_12_KV_BK2 80841	59.71 -3.49 -13.46	128.59 -9.33 0.00	144.09 -10.14 0.00	146.75 -10.61 0.00	136.27 -10.15 0.57	139.16 -10.53 1.23	226.70 -17.70 0.00	236.75 -20.73 0.00	197.59 -16.68 1.03	164.71 -13.04 0.00	86.55 -7.04 -11.02	91.40 -6.88 -10.09	116.04 -9.18 -2.02	126.43 -8.11 -0.96	100.13 -5.46 -7.17	122.59 -7.49 -0.80	129.72 -9.05 0.00	159.16 -12.11 3.73	119.14 -9.10 -6.96	83.99 -6.49 -12.18	148.10 -13.22 0.02	108.17 -9.06 -7.41	107.53 -8.35 -7.72	147.24 -9.88 0.00
WALDEN__HYDRO 24148	137.86 3.51 -84.60	147.30 9.38 0.00	164.57 10.34 0.00	167.26 9.90 0.00	167.99 10.14 -10.86	161.55 10.64 0.00	259.68 15.29 0.00	274.01 16.52 0.00	229.93 14.64 0.00	191.09 13.33 0.00	161.52 6.67 -72.29	155.28 7.11 -59.98	144.96 9.80 -11.95	149.89 10.64 -5.67	148.67 7.79 -42.46	144.19 10.17 -4.74	149.93 11.15 0.00	193.00 13.83 -4.17	178.66 9.77 -47.61	156.71 6.32 -72.09	178.73 13.09 -4.31	164.01 8.85 -45.34	163.80 8.63 -47.01	168.95 11.83 0.00
WARRENSBURG____ 23737	165.09 4.30 -111.04	149.69 11.77 0.00	167.37 13.14 0.00	169.98 12.62 0.00	173.74 12.58 -14.18	164.49 13.57 0.00	265.39 21.00 0.00	279.53 22.05 0.00	234.81 19.52 0.00	192.76 15.01 0.00	183.50 6.58 -94.35	173.12 6.65 -78.29	148.28 9.49 -15.59	151.80 10.83 -7.39	161.71 7.91 -55.37	146.17 10.71 -6.19	151.23 12.45 0.00	196.79 16.34 -5.45	194.85 11.30 -62.27	179.58 7.00 -94.28	180.96 13.99 -5.63	178.70 9.60 -59.29	179.09 9.46 -61.46	170.96 13.84 0.00
WATERSIDE____6 8 9 23538	142.38 4.15 -88.49	148.77 10.85 0.00	166.13 11.90 0.00	155.04 11.60 13.92	165.08 11.73 -6.36	161.77 12.28 1.43	250.46 17.69 11.63	263.27 18.68 12.90	218.69 16.92 13.52	181.95 16.15 11.96	161.55 8.00 -70.97	128.25 8.53 -31.53	95.19 11.95 39.96	128.34 12.79 18.04	138.52 9.35 -30.75	41.85 12.37 99.79	142.09 13.17 9.86	185.75 15.78 5.03	173.92 11.13 -41.52	146.10 7.38 -60.42	-32.88 15.37 209.58	158.95 10.44 -38.70	158.78 10.10 -40.52	163.40 13.70 7.43
WATKINRD_115KV_LN8_ILLION 55919	51.14 1.39 0.00	141.72 3.80 0.00	158.59 4.36 0.00	161.32 3.95 0.00	151.15 4.16 0.00	155.36 4.44 0.00	250.34 5.94 0.00	264.34 6.86 0.00	220.95 5.66 0.00	182.13 4.38 0.00	84.65 2.08 0.00	90.52 2.33 0.00	126.23 3.03 0.00	137.28 3.70 0.00	101.33 2.90 0.00	132.98 3.71 0.00	143.04 4.26 0.00	180.70 5.70 0.00	125.33 4.05 0.00	80.82 2.52 0.00	166.51 5.17 0.00	113.45 3.63 0.00	111.58 3.42 0.00	161.81 4.68 0.00
WATSON__69_KV_BK 1 55734	143.57 5.36 -88.46	156.28 14.76 -3.59	169.35 15.12 0.00	170.85 13.49 0.00	173.31 15.12 -11.21	166.08 15.17 0.00	264.33 19.93 0.00	281.38 23.90 0.00	236.00 20.70 0.00	197.13 19.38 0.00	167.09 9.94 -74.57	161.52 9.67 -63.66	153.53 14.27 -16.05	158.40 15.69 -9.13	157.55 11.25 -47.87	157.19 15.21 -12.71	185.93 16.81 -30.34	199.36 20.06 -4.30	184.85 14.46 -49.11	162.64 9.38 -74.96	184.71 18.93 -4.44	168.60 12.01 -46.77	167.66 11.02 -48.49	172.22 15.09 0.00
WDELAWARE__HYD 323627	132.11 2.68 -79.69	145.07 7.15 0.00	162.11 7.88 0.00	164.82 7.46 0.00	164.99 7.78 -10.23	159.23 8.32 0.00	256.79 12.40 0.00	271.16 13.68 0.00	227.58 12.29 0.00	188.79 11.04 0.00	156.02 5.41 -68.04	150.34 5.69 -56.46	142.11 7.66 -11.25	147.18 8.26 -5.33	144.48 6.10 -39.96	141.82 8.08 -4.46	147.86 9.08 0.00	190.33 11.41 -3.92	174.21 8.11 -44.82	151.39 5.23 -67.86	176.20 10.81 -4.05	159.74 7.24 -42.68	159.41 7.00 -44.25	166.52 9.39 0.00

WEST BABYLON___IC 23714	143.43 5.23 -88.46	155.79 14.27 -3.59	168.90 14.68 0.00	170.52 13.15 0.00	172.78 14.58 -11.21	165.60 14.69 0.00	264.29 19.90 0.00	280.95 23.47 0.00	235.67 20.38 0.00	196.71 18.95 0.00	166.81 9.66 -74.57	162.42 9.54 -64.69	154.72 13.98 -17.54	158.85 15.39 -9.87	158.11 11.06 -48.62	158.52 14.92 -14.33	186.51 16.39 -31.33	198.98 19.68 -4.30	184.50 14.11 -49.11	162.45 9.19 -74.96	184.32 18.54 -4.44	168.45 11.87 -46.77	167.54 10.90 -48.49	171.96 14.83 0.00
WEST CANADA___HYD 24049	50.29 0.55 0.00	139.42 1.50 0.00	155.91 1.68 0.00	158.84 1.47 0.00	148.60 1.62 0.00	152.55 1.64 0.00	246.34 1.95 0.00	259.65 2.16 0.00	217.28 1.99 0.00	179.62 1.87 0.00	83.57 1.00 0.00	89.28 1.09 0.00	124.70 1.49 0.00	135.27 1.69 0.00	99.70 1.28 0.00	130.92 1.65 0.00	140.44 1.66 0.00	177.06 2.06 0.00	122.72 1.44 0.00	79.16 0.86 0.00	163.12 1.78 0.00	111.05 1.23 0.00	109.46 1.30 0.00	158.94 1.81 0.00
WESTERN_NY_WIND 24143	59.15 -2.31 -11.71	131.75 -6.18 0.00	147.47 -6.76 0.00	150.35 -7.01 0.00	140.02 -6.72 0.25	143.07 -6.91 0.94	232.68 -11.71 0.00	243.25 -14.23 0.00	202.82 -11.72 0.76	168.30 -9.46 0.00	86.55 -5.68 -9.65	91.14 -5.78 -8.73	117.15 -7.79 -1.74	128.03 -6.39 -0.83	100.20 -4.41 -6.19	124.24 -5.72 -0.69	132.33 -6.45 0.00	164.18 -8.12 2.71	121.31 -6.10 -6.13	84.32 -4.49 -10.52	152.01 -9.41 -0.08	109.67 -6.57 -6.42	108.78 -6.07 -6.69	150.36 -6.76 0.00
WESTOVER___LESR 323668	77.14 -0.08 -27.47	137.77 -0.15 0.00	154.48 0.25 0.00	156.79 -0.57 0.00	148.96 -0.39 -2.36	149.83 -0.47 0.62	243.13 -1.26 0.00	256.89 -0.59 0.00	214.90 0.16 0.55	177.98 0.23 0.00	105.81 0.00 -23.24	108.25 0.28 -19.78	127.84 0.70 -3.94	136.49 1.04 -1.87	113.40 0.98 -14.00	132.17 1.33 -1.56	139.71 0.94 0.00	174.57 0.42 0.86	136.84 0.40 -15.16	102.20 0.11 -23.78	162.77 0.39 -1.04	124.96 0.31 -14.83	123.89 0.34 -15.39	157.59 0.47 0.00
WETHRSFD_WT_PWR 323626	60.86 -3.88 -15.00	127.60 -10.32 0.00	143.48 -10.75 0.00	145.36 -12.00 0.00	134.36 -11.44 1.19	137.78 -11.47 1.67	225.93 -18.46 0.00	237.37 -20.11 0.00	197.95 -15.87 1.47	165.10 -12.65 0.00	87.90 -6.86 -12.19	92.89 -6.75 -11.45	116.61 -8.87 -2.28	127.04 -7.63 -1.08	101.57 -4.95 -8.10	122.90 -6.77 -0.40	129.91 -8.31 0.56	156.80 -11.69 6.52	119.87 -8.62 -7.21	86.03 -5.97 -13.70	148.82 -12.24 0.28	110.08 -8.05 -8.32	109.32 -7.51 -8.67	147.70 -9.43 0.00
WHAVSTOR_138KV_BK127 55557	135.57 3.08 -82.75	146.11 8.18 0.00	163.21 8.98 0.00	165.94 8.57 0.00	166.94 9.13 -10.83	160.61 9.69 0.00	257.95 13.56 0.00	272.01 14.53 0.00	228.28 12.99 0.00	190.03 12.28 0.00	160.87 6.24 -72.05	154.61 6.63 -59.79	144.29 9.17 -11.91	149.19 9.96 -5.65	148.07 7.33 -42.32	143.56 9.56 -4.73	149.17 10.39 0.00	191.84 12.68 -4.15	177.69 8.97 -47.44	155.98 5.84 -71.84	177.77 12.15 -4.29	163.21 8.20 -45.19	163.00 7.99 -46.85	167.95 10.82 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	135.57 3.08 -82.75	146.11 8.18 0.00	163.21 8.98 0.00	165.94 8.57 0.00	166.94 9.13 -10.83	160.61 9.69 0.00	257.95 13.56 0.00	272.01 14.53 0.00	228.28 12.99 0.00	190.03 12.28 0.00	160.87 6.24 -72.05	154.61 6.63 -59.79	144.29 9.17 -11.91	149.19 9.96 -5.65	148.07 7.33 -42.32	143.56 9.56 -4.73	149.17 10.39 0.00	191.84 12.68 -4.15	177.69 8.97 -47.44	155.98 5.84 -71.84	177.77 12.15 -4.29	163.21 8.20 -45.19	163.00 7.99 -46.85	167.95 10.82 0.00
WHITEHAL_115KV_TB1 80871	166.77 6.12 -110.90	154.58 16.66 0.00	172.77 18.54 0.00	174.53 17.17 0.00	178.65 17.51 -14.16	170.32 19.40 0.00	273.95 29.56 0.00	287.37 29.89 0.00	242.36 27.07 0.00	198.82 21.06 0.00	185.69 8.94 -94.17	174.72 8.39 -78.14	150.01 11.26 -15.55	153.87 12.91 -7.37	162.94 9.25 -55.26	148.99 13.54 -6.18	154.60 15.82 0.00	201.55 21.11 -5.44	198.23 14.80 -62.16	181.44 9.03 -94.11	184.30 17.34 -5.62	181.14 12.14 -59.18	182.19 12.67 -61.35	176.54 19.41 0.00
WHITEPLN_13_KV_LOAD 356215	142.43 4.34 -88.35	149.31 11.39 0.00	166.68 12.46 0.00	169.39 12.03 0.00	170.45 12.28 -11.19	163.87 12.95 0.00	263.33 18.94 0.00	278.00 20.51 0.00	233.38 18.09 0.00	194.50 16.75 0.00	165.25 8.24 -74.44	158.73 8.77 -61.77	147.74 12.23 -12.31	152.67 13.26 -5.84	151.86 9.71 -43.72	146.93 12.78 -4.88	152.64 13.86 0.00	196.34 17.05 -4.29	182.22 11.92 -49.02	160.23 7.72 -74.22	181.70 15.93 -4.43	167.20 10.70 -46.68	166.93 10.38 -48.40	171.38 14.26 0.00
WM_FLOYD_69_KV_BK2 356380	143.20 4.99 -88.46	155.24 13.73 -3.59	168.17 13.94 0.00	169.63 12.27 0.00	172.20 14.01 -11.21	164.72 13.80 0.00	260.19 15.80 0.00	277.17 19.69 0.00	232.20 16.90 0.00	194.36 16.61 0.00	166.12 8.97 -74.57	159.55 8.15 -63.21	150.71 12.10 -15.41	155.79 13.39 -8.81	155.55 9.58 -47.55	154.55 13.27 -12.00	184.06 15.38 -29.91	196.59 17.29 -4.30	183.11 12.72 -49.11	161.44 8.18 -74.96	182.28 16.50 -4.44	166.72 10.14 -46.77	165.85 9.20 -48.49	169.56 12.44 0.00
WOODARD___115KV_TB2 355635	56.81 -0.82 -7.89	135.51 -2.41 0.00	151.60 -2.62 0.00	154.47 -2.89 0.00	145.47 -2.52 -1.01	148.43 -2.49 0.00	240.30 -4.10 0.00	253.50 -3.98 0.00	212.19 -3.10 0.00	175.42 -2.34 0.00	88.15 -1.15 -6.72	92.60 -1.17 -5.58	122.71 -1.60 -1.11	132.65 -1.46 -0.53	101.42 -0.95 -3.95	128.43 -1.28 -0.44	137.34 -1.45 0.00	173.43 -1.96 -0.39	124.35 -1.36 -4.43	83.99 -1.01 -6.71	159.53 -2.21 -0.40	112.51 -1.52 -4.22	110.94 -1.59 -4.37	154.82 -2.30 0.00
YORK___WARBASSE 23770	142.63 4.40 -88.49	149.49 11.57 0.00	166.91 12.68 0.00	250.94 12.47 -81.11	198.90 12.43 -39.49	172.24 12.98 -8.34	331.19 19.07 -67.73	352.64 20.00 -75.16	312.12 18.06 -78.76	264.69 17.27 -69.66	186.71 8.36 -95.77	335.94 8.86 -238.89	452.63 12.38 -317.04	291.87 13.28 -145.01	228.10 9.71 -119.98	756.98 12.90 -614.82	210.02 13.79 -57.45	250.15 16.48 -58.67	226.37 11.63 -93.46	241.84 7.79 -155.75	1429.09 16.31 -1251.45	214.65 10.93 -93.90	213.68 10.51 -95.01	214.67 14.27 -43.27