

Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

Generator Data

01/23/2025

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	159.51	152.43	127.07	150.01	156.98	157.97	164.64	173.38	181.66	181.83	226.40	174.56	110.30	123.67	134.91	149.99	162.54	181.24	140.34	124.54	143.48	168.07	163.34	141.57
24138	12.30	11.90	9.83	10.95	12.03	13.45	14.24	14.36	8.10	14.07	18.82	12.89	9.39	10.51	11.39	12.49	13.19	13.56	6.50	9.41	6.81	12.20	12.96	11.32
	0.00	0.00	0.00	0.00	0.00	0.00	-2.07	-20.09	-96.56	-28.71	-4.94	-33.37	-8.29	-3.63	0.00	-2.20	0.00	-3.42	-60.63	-8.26	-61.01	-21.67	-0.78	-6.08
74TH STREET_GT_1	159.86	152.74	127.36	150.39	157.32	158.32	164.93	173.41	181.61	181.57	223.55	174.36	110.12	123.41	134.72	149.81	162.16	180.93	140.40	124.77	143.69	168.25	163.63	141.83
24260	12.65	12.22	10.13	11.32	12.37	13.80	14.53	14.39	8.03	13.82	18.46	12.68	9.21	10.25	11.20	12.31	12.81	13.26	6.55	9.64	7.00	12.51	13.26	11.58
	0.00	0.00	0.00	0.00	0.00	0.00	-2.07	-20.10	-96.57	-28.71	-2.45	-33.38	-8.29	-3.63	0.00	-2.20	0.00	-3.42	-60.64	-8.26	-61.02	-21.54	-0.77	-6.08
74TH STREET_GT_2	159.86	152.74	127.36	150.39	157.32	158.32	164.93	173.41	181.61	181.57	223.55	174.36	110.12	123.41	134.72	149.81	162.16	180.93	140.40	124.77	143.69	168.25	163.63	141.83
24261	12.65	12.22	10.13	11.32	12.37	13.80	14.53	14.39	8.03	13.82	18.46	12.68	9.21	10.25	11.20	12.31	12.81	13.26	6.55	9.64	7.00	12.51	13.26	11.58
	0.00	0.00	0.00	0.00	0.00	0.00	-2.07	-20.10	-96.57	-28.71	-2.45	-33.38	-8.29	-3.63	0.00	-2.20	0.00	-3.42	-60.64	-8.26	-61.02	-21.54	-0.77	-6.08
ADK HUDSON___FALLS	159.75	152.30	126.90	150.10	156.93	158.15	171.56	209.44	214.49	188.41	221.93	181.25	110.28	122.67	133.15	149.50	162.57	207.81	181.96	156.92	167.76	146.20	162.32	141.95
24011	12.53	11.77	9.66	11.03	11.98	13.63	14.36	14.31	7.64	13.13	18.12	10.84	7.20	8.56	9.64	11.42	13.23	15.28	7.04	10.25	7.29	12.01	12.72	11.15
	0.00	0.00	0.00	0.00	0.00	0.00	-8.88	-56.20	-129.84	-36.23	-1.18	-42.11	-10.46	-4.58	0.00	-2.77	0.00	-28.27	-101.71	-39.80	-84.80	0.00	0.00	-6.62
ADK RESOURCE___RCVRY	161.17	153.48	127.85	151.15	157.99	159.57	173.04	211.28	215.46	189.96	224.09	182.28	110.86	123.42	133.97	150.50	163.78	209.44	182.86	158.10	168.54	147.23	163.42	143.03
23798	13.96	12.95	10.61	12.08	13.04	15.05	15.79	15.93	8.47	14.66	20.28	11.84	7.77	9.30	10.46	12.42	14.43	16.74	7.72	11.23	7.96	13.03	13.81	12.23
	0.00	0.00	0.00	0.00	0.00	0.00	-8.92	-56.43	-129.98	-36.26	-1.18	-42.14	-10.47	-4.59	0.00	-2.78	0.00	-28.44	-101.93	-40.00	-84.91	0.00	0.00	-6.63
ADK S GLENS___FALLS	159.75	152.30	126.90	150.10	156.93	158.15	171.56	209.44	214.49	188.41	221.93	181.25	110.28	122.67	133.15	149.50	162.57	207.81	181.96	156.92	167.76	146.20	162.32	141.95
24028	12.53	11.77	9.66	11.03	11.98	13.63	14.36	14.31	7.64	13.13	18.12	10.84	7.20	8.56	9.64	11.42	13.23	15.28	7.04	10.25	7.29	12.01	12.72	11.15
	0.00	0.00	0.00	0.00	0.00	0.00	-8.88	-56.20	-129.84	-36.23	-1.18	-42.11	-10.46	-4.58	0.00	-2.77	0.00	-28.27	-101.71	-39.80	-84.80	0.00	0.00	-6.62
ADK_NYS___DAM	157.15	149.99	124.98	147.75	154.38	154.53	165.30	193.81	205.08	183.51	217.40	178.31	109.41	121.87	132.27	147.41	158.06	194.42	168.51	143.54	160.49	142.86	158.98	139.44
23527	9.94	9.46	7.74	8.69	9.43	10.01	10.29	9.96	5.30	9.54	13.63	9.41	6.71	7.92	8.76	9.44	8.72	10.07	4.79	7.11	5.41	8.66	9.38	8.87
	0.00	0.00	0.00	0.00	0.00	0.00	-6.68	-44.93	-122.78	-34.93	-1.13	-40.60	-10.09	-4.42	0.00	-2.67	0.00	-20.09	-90.51	-29.56	-79.42	0.00	0.00	-6.39
AIR_PRODUCTS___DRP	152.35	145.60	121.42	143.53	150.07	150.39	159.48	182.37	201.25	179.33	210.75	173.82	106.50	118.45	128.13	142.89	154.09	184.19	160.88	133.43	156.00	138.08	153.54	134.88
24190	5.14	5.07	4.18	4.46	5.12	5.88	5.86	5.30	2.84	5.23	6.98	4.77	3.76	4.48	4.62	4.89	4.74	5.25	2.60	3.61	2.41	3.89	3.94	4.29
	0.00	0.00	0.00	0.00	0.00	0.00	-5.30	-38.15	-121.41	-35.06	-1.14	-40.76	-10.12	-4.44	0.00	-2.68	0.00	-14.69	-85.07	-22.95	-77.92	0.00	0.00	-6.41
AKWESSNE_115KV_BK	145.32	138.23	115.41	137.56	142.68	140.36	143.89	134.41	74.43	135.14	198.43	125.66	90.68	107.40	121.36	132.82	146.79	161.66	71.42	104.26	73.74	131.09	146.96	121.64
355683	-1.90	-2.30	-1.83	-1.51	-2.27	-4.16	-4.44	-4.51	-2.57	-3.90	-4.20	-2.64	-1.93	-2.13	-2.15	-2.48	-2.56	-2.59	-1.78	-2.61	-1.93	-3.10	-2.64	-2.54
	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	154.32	147.48	123.08	145.60	152.08	152.46	160.79	179.57	199.18	180.38	213.16	174.37	106.91	119.07	128.90	144.39	156.50	183.45	157.14	130.88	154.98	140.73	156.47	136.85
323833	7.11	6.96	5.84	6.54	7.13	7.94	8.14	7.50	4.02	6.91	9.41	6.04	4.35	5.18	5.39	6.45	7.15	8.03	3.81	5.47	3.85	6.53	6.87	6.38
	0.00	0.00	0.00	0.00	0.00	0.00	-4.32	-33.14	-118.16	-34.43	-1.12	-40.03	-9.94	-4.36	0.00	-2.64	0.00	-11.17	-80.12	-18.54	-75.47	0.00	0.00	-6.30
ALBANY_2_SOLAR	154.28	147.43	123.05	145.58	152.07	152.42	160.71	179.53	199.17	180.35	213.15	174.34	106.87	119.04	128.89	144.36	156.42	183.42	157.13	130.85	154.95	140.70	156.41	136.81
323834	7.07	6.90	5.81	6.52	7.12	7.91	8.07	7.48	4.00	6.87	9.39	6.00	4.31	5.16	5.38	6.42	7.08	8.00	3.79	5.44	3.80	6.51	6.81	6.34
	0.00	0.00	0.00	0.00	0.00	0.00	-4.32	-33.14	-118.17	-34.43	-1.12	-40.03	-9.94	-4.36	0.00	-2.64	0.00	-11.16	-80.13	-18.54	-75.48	0.00	0.00	-6.30
ALBANY___1	152.35	145.60	121.42	143.53	150.07	150.39	159.48	182.37	201.25	179.33	210.75	173.82	106.50	118.45	128.13	142.89	154.09	184.19	160.88	133.43	156.00	138.08	153.54	134.88
23571	5.14	5.07	4.18	4.46	5.12	5.88	5.86	5.30	2.84	5.23	6.98	4.77	3.76	4.48	4.62	4.89	4.74	5.25	2.60	3.61	2.41	3.89	3.94	4.29
	0.00	0.00	0.00	0.00	0.00	0.00	-5.30	-38.15	-121.41	-35.06	-1.14	-40.76	-10.12	-4.44	0.00	-2.68	0.00	-14.69	-85.07	-22.95	-77.92	0.00	0.00	-6.41

ALBANY___2 23572	152.35 5.14 0.00	145.60 5.07 0.00	121.42 4.18 0.00	143.53 4.46 0.00	150.07 5.12 0.00	150.39 5.88 0.00	159.48 5.86 -5.30	182.37 5.30 -38.15	201.25 2.84 -121.41	179.33 5.23 -35.06	210.75 6.98 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.45 4.48 -4.44	128.13 4.62 0.00	142.89 4.89 -2.68	154.09 4.74 0.00	184.19 5.25 -14.69	160.88 2.60 -85.07	133.43 3.61 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.88 4.29 -6.41
ALBANY___3 23573	152.35 5.14 0.00	145.60 5.07 0.00	121.42 4.18 0.00	143.53 4.46 0.00	150.07 5.12 0.00	150.39 5.88 0.00	159.48 5.86 -5.30	182.37 5.30 -38.15	201.25 2.84 -121.41	179.33 5.23 -35.06	210.75 6.98 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.45 4.48 -4.44	128.13 4.62 0.00	142.89 4.89 -2.68	154.09 4.74 0.00	184.19 5.25 -14.69	160.88 2.60 -85.07	133.43 3.61 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.88 4.29 -6.41
ALBANY___4 23574	152.35 5.14 0.00	145.60 5.07 0.00	121.42 4.18 0.00	143.53 4.46 0.00	150.07 5.12 0.00	150.39 5.88 0.00	159.48 5.86 -5.30	182.37 5.30 -38.15	201.25 2.84 -121.41	179.33 5.23 -35.06	210.75 6.98 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.45 4.48 -4.44	128.13 4.62 0.00	142.89 4.89 -2.68	154.09 4.74 0.00	184.19 5.25 -14.69	160.88 2.60 -85.07	133.43 3.61 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.88 4.29 -6.41
ALBANY___LFGE 323615	153.65 6.43 0.00	146.81 6.28 0.00	122.44 5.20 0.00	144.77 5.71 0.00	151.35 6.40 0.00	151.71 7.20 0.00	162.05 7.35 -6.37	189.27 6.78 -43.57	204.55 3.66 -123.89	181.09 6.66 -35.39	212.91 9.13 -1.15	175.54 6.10 -41.14	107.51 4.68 -10.22	119.52 5.51 -4.48	129.37 5.85 0.00	144.43 6.41 -2.71	155.79 6.45 0.00	190.16 7.09 -18.81	166.69 3.42 -90.07	139.73 4.80 -28.05	158.93 3.30 -79.96	139.66 5.46 0.00	155.21 5.61 0.00	136.23 5.58 -6.47
ALCOA_PA_115KV_PL-6C 55860	146.61 -0.60 0.00	139.48 -1.05 0.00	116.46 -0.78 0.00	138.87 -0.20 0.00	143.92 -1.03 0.00	141.50 -3.01 0.00	144.86 -3.47 0.00	135.27 -3.65 0.00	74.89 -2.11 0.00	135.97 -3.08 0.00	199.80 -2.84 0.00	126.47 -1.82 0.00	91.20 -1.42 0.00	107.96 -1.57 0.00	122.05 -1.46 0.00	133.54 -1.77 0.00	147.68 -1.67 0.00	162.69 -1.57 0.00	71.86 -1.35 0.00	104.85 -2.02 0.00	74.17 -1.49 0.00	132.04 -2.16 0.00	148.25 -1.35 0.00	122.79 -1.39 0.00
ALCOA_RYNLDS___DRP 24188	146.61 -0.60 0.00	139.48 -1.05 0.00	116.46 -0.78 0.00	138.87 -0.20 0.00	143.92 -1.03 0.00	141.50 -3.01 0.00	144.86 -3.47 0.00	135.27 -3.65 0.00	74.89 -2.11 0.00	135.97 -3.08 0.00	199.80 -2.84 0.00	126.47 -1.82 0.00	91.20 -1.42 0.00	107.96 -1.57 0.00	122.05 -1.46 0.00	133.54 -1.77 0.00	147.68 -1.67 0.00	162.69 -1.57 0.00	71.86 -1.35 0.00	104.85 -2.02 0.00	74.17 -1.49 0.00	132.04 -2.16 0.00	148.25 -1.35 0.00	122.79 -1.39 0.00
ALCOA___DSASP 323711	146.61 -0.60 0.00	139.49 -1.04 0.00	116.47 -0.77 0.00	138.87 -0.19 0.00	143.92 -1.03 0.00	141.50 -3.01 0.00	144.87 -3.46 0.00	135.27 -3.65 0.00	74.89 -2.11 0.00	135.95 -3.09 0.00	199.80 -2.84 0.00	126.46 -1.84 0.00	91.20 -1.42 0.00	107.96 -1.57 0.00	122.04 -1.47 0.00	133.54 -1.77 0.00	147.68 -1.67 0.00	162.69 -1.57 0.00	71.85 -1.36 0.00	104.86 -2.01 0.00	74.18 -1.48 0.00	132.08 -2.12 0.00	148.25 -1.35 0.00	122.77 -1.41 0.00
ALLEGHENY___COGEN 23514	146.37 -0.85 0.00	140.65 0.11 0.00	117.98 0.74 0.00	139.04 -0.02 0.00	146.71 1.76 0.00	142.92 -1.60 0.00	142.01 -7.30 -0.98	137.17 -7.22 -5.46	92.16 -2.88 -18.03	131.68 -12.31 -4.94	179.69 -19.56 3.39	120.27 -13.77 -5.74	83.72 -10.32 -1.43	97.05 -12.56 -0.08	110.53 -12.98 0.00	123.40 -12.29 -0.38	137.51 -10.54 1.30	135.60 -9.26 19.39	80.09 -3.65 -10.53	99.65 -4.72 2.50	87.61 1.41 -10.53	128.41 0.35 6.14	145.02 -1.01 3.57	124.23 -0.84 -0.90
ALTAMONT_115KV_TB 2 55880	152.82 5.61 0.00	145.96 5.43 0.00	121.78 4.54 0.00	144.05 4.98 0.00	150.48 5.53 0.00	150.82 6.31 0.00	159.26 6.45 -4.48	179.23 6.17 -34.14	200.62 3.37 -120.24	179.97 5.91 -35.01	211.80 8.02 -1.14	174.26 5.26 -40.70	106.56 3.84 -10.11	118.54 4.58 -4.43	128.45 4.94 0.00	143.38 5.40 -2.68	154.94 5.59 0.00	182.00 6.08 -11.66	157.99 2.99 -81.79	130.44 4.34 -19.23	155.61 3.11 -76.83	139.47 5.28 0.00	155.12 5.51 0.00	135.76 5.18 -6.40
ALTONA_WT_PWR 323606	147.01 -0.20 0.00	139.23 -1.30 0.00	116.70 -0.54 0.00	139.22 0.15 0.00	144.61 -0.34 0.00	142.94 -1.58 0.00	146.62 -1.71 0.00	137.12 -1.80 0.00	75.79 -1.21 0.00	137.79 -1.25 0.00	202.44 -0.20 0.00	127.85 -0.44 0.00	92.26 -0.36 0.00	109.26 -0.26 0.00	123.35 -0.16 0.00	135.14 -0.16 0.00	149.62 0.27 0.00	164.65 0.39 0.00	72.35 -0.86 0.00	104.76 -2.12 0.00	74.14 -1.52 0.00	131.76 -2.44 0.00	148.54 -1.06 0.00	123.64 -0.53 0.00
AMERICAN_REF_FUEL 24010	131.54 -15.68 0.00	127.42 -13.11 0.00	107.41 -9.82 0.00	126.09 -12.97 0.00	133.08 -11.87 0.00	134.60 -9.92 0.00	135.45 -13.07 -0.20	125.45 -16.21 -2.74	82.83 -8.76 -14.59	126.59 -16.89 -4.43	178.14 -22.46 2.04	118.59 -14.85 -5.15	83.25 -10.64 -1.28	96.40 -13.35 -0.22	107.85 -15.66 0.00	118.06 -17.58 -0.34	129.44 -19.11 0.80	131.42 -21.00 11.83	93.62 -9.94 -30.36	102.74 -14.39 -10.26	75.28 -9.82 -9.43	112.08 -17.32 4.79	128.57 -18.83 2.20	110.58 -14.40 -0.80
ARKWRIGHT___SUMMIT_WT_PWR 323751	132.55 -14.67 0.00	128.19 -12.34 0.00	107.97 -9.26 0.00	126.50 -12.56 0.00	133.90 -11.05 0.00	135.79 -8.72 0.00	138.70 -9.86 -0.23	129.22 -12.80 -3.10	86.54 -6.75 -16.29	131.13 -12.85 -4.94	184.31 -15.74 2.59	124.05 -9.99 -5.74	86.79 -7.25 -1.43	100.03 -9.70 -0.20	111.62 -11.90 0.00	123.92 -11.77 -0.38	137.36 -10.98 1.01	137.08 -12.20 14.97	77.16 -6.57 -10.52	94.75 -10.49 1.63	78.64 -7.54 -10.52	115.23 -12.96 6.00	133.02 -13.81 2.77	113.55 -11.53 -0.90
ARTHUR KILL_GT_1 23520	239.64 12.45 -79.97	223.39 11.93 -70.93	221.76 9.91 -94.61	223.03 11.13 -72.84	223.44 12.25 -66.24	223.42 13.59 -65.31	226.66 14.08 -64.24	228.92 13.98 -76.01	232.20 7.60 -147.60	238.92 12.61 -87.26	317.74 16.71 -98.39	457.11 11.68 -317.14	1143.02 8.36 -1042.05	613.59 9.36 -494.70	525.52 10.54 -391.47	678.21 11.61 -531.30	620.30 12.49 -458.47	563.62 12.58 -386.78	653.10 6.47 -573.42	965.27 9.59 -848.80	612.03 7.11 -529.26	405.79 12.14 -259.45	361.36 12.60 -199.16	307.07 11.39 -171.50
ARTHUR_KILL_2 23512	239.17 11.99 -79.97	222.95 11.49 -70.93	221.38 9.53 -94.61	222.59 10.69 -72.84	222.96 11.77 -66.24	222.96 13.13 -65.31	226.14 13.57 -64.24	228.42 13.48 -76.01	231.91 7.31 -147.60	238.41 12.10 -87.26	317.02 15.99 -98.39	456.69 11.25 -317.14	1142.74 8.08 -1042.05	613.25 9.03 -494.70	525.14 10.16 -391.47	677.75 11.14 -531.30	619.78 11.97 -458.47	563.06 12.03 -386.78	652.84 6.21 -573.42	964.88 9.21 -848.80	611.77 6.85 -529.26	405.34 11.69 -259.45	360.89 12.13 -199.16	306.65 10.98 -171.50
ARTHUR_KILL_3 23513	241.03 10.75 -83.07	224.83 10.35 -73.95	224.60 8.55 -98.81	224.55 9.42 -76.07	224.60 10.47 -69.18	224.60 11.87 -68.21	227.74 12.40 -67.00	229.30 12.36 -78.02	232.34 6.84 -148.49	239.44 11.61 -88.79	396.32 15.18 -178.51	462.81 10.69 -323.83	1142.43 7.78 -1042.04	612.83 8.61 -494.69	530.29 9.26 -397.52	682.09 10.14 -536.65	638.74 10.56 -478.83	578.96 10.88 -403.83	672.58 5.40 -593.97	963.68 7.99 -848.81	610.79 5.86 -529.26	408.69 10.42 -264.07	366.69 11.07 -206.02	309.18 9.72 -175.28

ARTHUR_KILL_COGEN 323718	239.64 12.45 -79.97	223.39 11.93 -70.93	221.76 9.91 -94.61	223.03 11.13 -72.84	223.44 12.25 -66.24	223.42 13.59 -65.31	226.66 14.08 -64.24	228.92 13.98 -76.01	232.20 7.60 -147.60	238.92 12.61 -87.26	317.74 16.71 -98.39	457.11 11.68 -317.14	1143.02 8.36 -1042.05	613.59 9.36 -494.70	525.52 10.54 -391.47	678.21 11.61 -531.30	620.30 12.49 -458.47	563.62 12.58 -386.78	653.10 6.47 -573.42	965.27 9.59 -848.80	612.03 7.11 -529.26	405.79 12.14 -259.45	361.36 12.60 -199.16	307.07 11.39 -171.50
ASHOKAN____ 23654	159.10 11.88 0.00	152.03 11.50 0.00	126.90 9.66 0.00	150.01 10.94 0.00	156.82 11.87 0.00	157.67 13.15 0.00	165.99 14.07 -3.59	180.99 13.30 -28.77	194.01 7.34 -109.66	184.02 12.86 -32.12	221.75 18.07 -1.04	176.53 10.90 -37.34	109.70 7.81 -9.28	122.81 9.21 -4.06	133.66 10.14 0.00	149.23 11.47 -2.46	162.25 12.91 0.00	187.26 14.25 -8.75	152.77 6.56 -72.99	131.87 9.73 -15.26	152.26 6.74 -69.86	146.51 12.32 0.00	162.55 12.95 0.00	140.66 10.62 -5.86
ASTORIA_EAST_ENERGY_CC1 323581	159.08 11.85 -0.01	152.23 11.70 0.00	126.84 9.60 -0.01	149.71 10.64 -0.01	156.67 11.71 -0.01	157.48 12.95 -0.01	163.51 13.11 -2.07	172.16 13.14 -20.10	180.93 7.35 -96.58	180.35 12.59 -28.72	222.12 16.45 -3.03	173.24 11.57 -33.38	109.17 8.26 -8.29	122.15 8.98 -3.64	133.39 9.87 -0.01	148.61 11.10 -2.20	160.76 11.41 -0.01	179.38 11.71 -3.42	139.71 5.86 -60.64	123.79 8.66 -8.26	143.11 6.43 -61.02	167.02 11.28 -21.54	162.26 11.89 -0.77	140.80 10.55 -6.08
ASTORIA_EAST_ENERGY_CC2 323582	159.08 11.85 -0.01	152.22 11.69 0.00	126.82 9.58 -0.01	149.70 10.63 -0.01	156.65 11.69 -0.01	157.46 12.93 -0.01	163.50 13.10 -2.07	172.16 13.14 -20.10	180.93 7.35 -96.58	180.35 12.59 -28.72	222.12 16.45 -3.03	173.24 11.57 -33.38	109.16 8.25 -8.29	122.15 8.98 -3.64	133.39 9.87 -0.01	148.61 11.10 -2.20	160.76 11.41 -0.01	179.38 11.71 -3.42	139.71 5.86 -60.64	123.79 8.66 -8.26	143.11 6.43 -61.02	167.03 11.29 -21.54	162.26 11.89 -0.77	140.80 10.55 -6.08
ASTORIA_GT2_1 24094	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT2_2 24095	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT2_3 24096	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT2_4 24097	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT3_1 24098	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT3_2 24099	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT3_3 24100	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT3_4 24101	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT4_1 24102	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT4_2 24103	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT4_3 24104	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08

ASTORIA_GT4_4 24105	159.15 11.93 -0.01	152.25 11.71 0.00	126.91 9.67 -0.01	149.74 10.67 -0.01	156.70 11.74 -0.01	157.53 13.01 -0.01	163.58 13.18 -2.08	172.25 13.23 -20.10	180.98 7.40 -96.58	180.46 12.70 -28.72	222.27 16.60 -3.03	173.30 11.62 -33.38	109.18 8.28 -8.29	122.23 9.06 -3.64	133.47 9.95 -0.01	148.69 11.18 -2.20	160.88 11.52 -0.01	179.51 11.83 -3.42	139.75 5.90 -60.64	123.89 8.76 -8.26	143.14 6.45 -61.02	167.14 11.40 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
ASTORIA_GT_1 23523	159.47 12.24 -0.01	152.52 11.99 0.00	127.12 9.87 -0.01	150.01 10.94 -0.01	156.98 12.02 -0.01	157.82 13.29 -0.01	163.90 13.50 -2.07	172.57 13.55 -20.10	181.16 7.58 -96.58	180.79 13.03 -28.72	222.67 17.01 -3.03	173.63 11.95 -33.38	109.42 8.51 -8.29	122.47 9.30 -3.64	133.75 10.23 -0.01	149.02 11.51 -2.20	161.21 11.86 -0.01	179.93 12.26 -3.42	139.93 6.08 -60.64	124.13 8.99 -8.26	143.34 6.66 -61.02	167.42 11.69 -21.54	162.68 12.30 -0.77	141.16 10.90 -6.08
ASTORIA_GT_10 24110	159.45 12.23 -0.01	152.39 11.85 0.00	127.06 9.81 -0.01	150.00 10.93 -0.01	156.97 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.98 7.70 -97.28	189.65 13.17 -37.44	237.30 17.44 -17.22	181.00 12.14 -40.57	170.48 8.74 -69.12	147.99 9.76 -28.71	134.08 10.56 -0.01	149.05 11.54 -2.20	161.42 12.07 -0.01	179.94 12.26 -3.42	139.86 6.01 -60.64	124.03 8.89 -8.26	143.22 6.53 -61.02	167.55 11.81 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA_GT_11 24225	159.45 12.23 -0.01	152.39 11.85 0.00	127.06 9.81 -0.01	150.00 10.93 -0.01	156.97 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.98 7.70 -97.28	189.65 13.17 -37.44	237.30 17.44 -17.22	181.00 12.14 -40.57	170.48 8.74 -69.12	147.99 9.76 -28.71	134.08 10.56 -0.01	149.05 11.54 -2.20	161.42 12.07 -0.01	179.94 12.26 -3.42	139.86 6.01 -60.64	124.03 8.89 -8.26	143.22 6.53 -61.02	167.55 11.81 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA_GT_12 24226	159.45 12.23 -0.01	152.39 11.85 0.00	127.06 9.81 -0.01	150.00 10.93 -0.01	156.97 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.98 7.70 -97.28	189.65 13.17 -37.44	237.30 17.44 -17.22	181.00 12.14 -40.57	170.48 8.74 -69.12	147.99 9.76 -28.71	134.08 10.56 -0.01	149.05 11.54 -2.20	161.42 12.07 -0.01	179.94 12.26 -3.42	139.86 6.01 -60.64	124.03 8.89 -8.26	143.22 6.53 -61.02	167.55 11.81 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA_GT_13 24227	159.45 12.23 -0.01	152.39 11.85 0.00	127.06 9.81 -0.01	150.00 10.93 -0.01	156.97 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.98 7.70 -97.28	189.65 13.17 -37.44	237.30 17.44 -17.22	181.00 12.14 -40.57	170.48 8.74 -69.12	147.99 9.76 -28.71	134.08 10.56 -0.01	149.05 11.54 -2.20	161.42 12.07 -0.01	179.94 12.26 -3.42	139.86 6.01 -60.64	124.03 8.89 -8.26	143.22 6.53 -61.02	167.55 11.81 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA_GT_5 24106	159.44 12.22 -0.01	152.53 11.99 0.00	127.14 9.89 -0.01	150.01 10.94 -0.01	156.98 12.02 -0.01	157.83 13.31 -0.01	163.90 13.50 -2.08	172.56 13.53 -20.10	181.17 7.58 -96.58	180.82 13.06 -28.72	222.76 17.10 -3.03	173.65 11.98 -33.38	109.42 8.51 -8.29	122.50 9.34 -3.64	133.75 10.23 -0.01	149.01 11.50 -2.20	161.21 11.85 -0.01	179.92 12.24 -3.42	139.94 6.09 -60.64	124.17 9.03 -8.26	143.34 6.65 -61.02	167.48 11.74 -21.54	162.68 12.30 -0.77	141.16 10.90 -6.08
ASTORIA_GT_7 24107	159.44 12.22 -0.01	152.53 11.99 0.00	127.14 9.89 -0.01	150.01 10.94 -0.01	156.98 12.02 -0.01	157.83 13.31 -0.01	163.90 13.50 -2.08	172.56 13.53 -20.10	181.17 7.58 -96.58	180.82 13.06 -28.72	222.76 17.10 -3.03	173.65 11.98 -33.38	109.42 8.51 -8.29	122.50 9.34 -3.64	133.75 10.23 -0.01	149.01 11.50 -2.20	161.21 11.85 -0.01	179.92 12.24 -3.42	139.94 6.09 -60.64	124.17 9.03 -8.26	143.34 6.65 -61.02	167.48 11.74 -21.54	162.68 12.30 -0.77	141.16 10.90 -6.08
ASTORIA_GT_8 24108	159.44 12.22 -0.01	152.53 11.99 0.00	127.14 9.89 -0.01	150.01 10.94 -0.01	156.98 12.02 -0.01	157.83 13.31 -0.01	163.90 13.50 -2.08	172.56 13.53 -20.10	181.17 7.58 -96.58	180.82 13.06 -28.72	222.76 17.10 -3.03	173.65 11.98 -33.38	109.42 8.51 -8.29	122.50 9.34 -3.64	133.75 10.23 -0.01	149.01 11.50 -2.20	161.21 11.85 -0.01	179.92 12.24 -3.42	139.94 6.09 -60.64	124.17 9.03 -8.26	143.34 6.65 -61.02	167.48 11.74 -21.54	162.68 12.30 -0.77	141.16 10.90 -6.08
ASTORIA___2 24149	159.16 11.94 -0.01	152.24 11.71 0.00	126.90 9.66 -0.01	149.75 10.67 -0.01	156.70 11.74 -0.01	157.53 13.00 -0.01	163.59 13.19 -2.07	172.25 13.23 -20.10	180.98 7.40 -96.58	180.44 12.68 -28.72	222.19 16.53 -3.03	173.30 11.62 -33.38	109.18 8.27 -8.29	122.20 9.03 -3.64	133.45 9.93 -0.01	148.66 11.15 -2.20	160.86 11.51 -0.01	179.50 11.83 -3.42	139.73 5.88 -60.64	123.89 8.75 -8.26	143.14 6.45 -61.02	167.11 11.37 -21.54	162.36 11.99 -0.77	140.88 10.62 -6.08
ASTORIA___3 23516	159.45 12.23 -0.01	152.38 11.85 0.00	127.03 9.79 -0.01	150.00 10.93 -0.01	156.96 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.99 7.71 -97.28	189.65 13.17 -37.44	237.22 17.37 -17.22	181.01 12.14 -40.57	170.49 8.75 -69.12	147.99 9.75 -28.71	134.04 10.52 -0.01	149.05 11.54 -2.20	161.41 12.05 -0.01	179.92 12.25 -3.42	139.86 6.01 -60.64	123.98 8.85 -8.26	143.22 6.53 -61.02	167.49 11.75 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA___4 23517	159.45 12.23 -0.01	152.39 11.85 0.00	127.06 9.81 -0.01	150.00 10.93 -0.01	156.97 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.98 7.70 -97.28	189.65 13.17 -37.44	237.30 17.44 -17.22	181.00 12.14 -40.57	170.48 8.74 -69.12	147.99 9.76 -28.71	134.08 10.56 -0.01	149.05 11.54 -2.20	161.42 12.07 -0.01	179.94 12.26 -3.42	139.86 6.01 -60.64	124.03 8.89 -8.26	143.22 6.53 -61.02	167.52 11.78 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
ASTORIA___5 23518	159.45 12.23 -0.01	152.40 11.86 0.00	127.03 9.79 -0.01	150.00 10.93 -0.01	156.96 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.99 7.71 -97.28	189.65 13.17 -37.44	237.22 17.37 -17.22	181.01 12.14 -40.57	170.49 8.75 -69.12	147.99 9.75 -28.71	134.04 10.52 -0.01	149.05 11.54 -2.20	161.41 12.05 -0.01	179.92 12.25 -3.42	139.86 6.01 -60.64	123.98 8.85 -8.26	143.22 6.53 -61.02	167.51 11.77 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
AST_ENERGY_2_CC3 323677	158.63 11.42 0.00	151.57 11.04 0.00	126.36 9.12 0.00	149.17 10.10 0.00	156.10 11.15 0.00	157.06 12.54 0.00	163.49 13.10 -2.07	171.84 12.82 -20.10	180.74 7.17 -96.57	179.95 12.20 -28.71	219.61 16.04 -0.93	173.14 11.46 -33.38	109.19 8.28 -8.29	122.24 9.08 -3.63	133.32 9.81 0.00	148.27 10.77 -2.20	160.53 11.18 0.00	178.99 11.31 -3.42	139.53 5.68 -60.64	123.56 8.42 -8.26	142.88 6.20 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
AST_ENERGY_2_CC4 323678	158.63 11.42 0.00	151.57 11.04 0.00	126.36 9.12 0.00	149.17 10.10 0.00	156.10 11.15 0.00	157.06 12.54 0.00	163.49 13.10 -2.07	171.84 12.82 -20.10	180.74 7.17 -96.57	179.95 12.20 -28.71	219.61 16.04 -0.93	173.14 11.46 -33.38	109.19 8.28 -8.29	122.24 9.08 -3.63	133.32 9.81 0.00	148.27 10.77 -2.20	160.53 11.18 0.00	178.99 11.31 -3.42	139.53 5.68 -60.64	123.56 8.42 -8.26	142.88 6.20 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08

ATHENS_STG_1 23668	154.03 6.82 0.00	147.22 6.69 0.00	122.79 5.55 0.00	145.15 6.09 0.00	151.67 6.72 0.00	152.17 7.65 0.00	158.19 7.82 -2.04	167.46 7.61 -20.93	186.87 4.22 -105.65	177.89 7.35 -31.50	213.36 9.70 -1.02	171.46 6.55 -36.61	106.49 4.78 -9.10	119.14 5.63 -3.99	129.61 6.10 0.00	144.34 6.62 -2.41	156.10 6.75 0.00	174.16 7.00 -2.91	142.34 3.52 -65.61	120.04 5.16 -8.01	146.17 3.85 -66.65	140.83 6.64 0.00	156.67 7.07 0.00	136.36 6.42 -5.76
ATHENS_STG_2 23670	154.03 6.82 0.00	147.22 6.69 0.00	122.79 5.55 0.00	145.15 6.09 0.00	151.67 6.72 0.00	152.17 7.65 0.00	158.19 7.82 -2.04	167.46 7.61 -20.93	186.87 4.22 -105.65	177.89 7.35 -31.50	213.36 9.70 -1.02	171.46 6.55 -36.61	106.49 4.78 -9.10	119.14 5.63 -3.99	129.61 6.10 0.00	144.34 6.62 -2.41	156.10 6.75 0.00	174.16 7.00 -2.91	142.34 3.52 -65.61	120.04 5.16 -8.01	146.17 3.85 -66.65	140.83 6.64 0.00	156.67 7.07 0.00	136.36 6.42 -5.76
ATHENS_STG_3 23677	154.03 6.82 0.00	147.22 6.69 0.00	122.79 5.55 0.00	145.15 6.09 0.00	151.67 6.72 0.00	152.17 7.65 0.00	158.19 7.82 -2.04	167.46 7.61 -20.93	186.87 4.22 -105.65	177.89 7.35 -31.50	213.36 9.70 -1.02	171.46 6.55 -36.61	106.49 4.78 -9.10	119.14 5.63 -3.99	129.61 6.10 0.00	144.34 6.62 -2.41	156.10 6.75 0.00	174.16 7.00 -2.91	142.34 3.52 -65.61	120.04 5.16 -8.01	146.17 3.85 -66.65	140.83 6.64 0.00	156.67 7.07 0.00	136.36 6.42 -5.76
AUBURN___LFGE 323710	146.04 -1.17 0.00	140.33 -0.20 0.00	116.77 -0.47 0.00	138.14 -0.93 0.00	144.53 -0.42 0.00	145.71 1.19 0.00	149.52 0.91 -0.27	142.30 0.77 -2.60	89.65 0.39 -12.26	142.09 -0.59 -3.64	202.07 -1.57 -1.01	130.98 -1.55 -4.23	92.54 -1.13 -1.05	108.59 -1.53 -0.60	121.68 -1.84 0.00	134.26 -1.32 -0.28	149.07 -0.60 -0.33	169.61 0.25 -5.11	81.25 0.30 -7.73	109.04 0.19 -1.98	83.51 0.09 -7.75	135.91 -0.13 -1.85	149.89 -0.60 -0.90	124.45 -0.39 -0.66
BABYLON_RES_REC 323704	162.63 12.93 -2.49	156.34 13.07 -2.74	152.64 11.27 -24.14	157.19 12.64 -5.49	160.58 13.39 -2.24	161.76 14.53 -2.71	170.30 15.75 -6.21	267.72 15.62 -113.18	254.43 8.64 -168.78	184.32 14.58 -30.70	223.59 17.44 -3.52	202.85 13.08 -61.48	158.12 9.77 -55.74	153.89 10.97 -33.39	158.83 11.94 -23.38	154.89 13.27 -6.31	202.76 14.23 -39.19	193.58 14.81 -14.51	174.96 7.24 -94.52	166.48 10.58 -49.02	161.86 7.74 -78.46	178.18 13.57 -30.42	165.00 14.61 -0.78	150.19 12.74 -13.27
BABYLON___69_KV_BK2 356345	163.93 14.46 -2.26	157.61 14.60 -2.49	153.69 12.67 -23.79	158.47 14.22 -5.19	161.97 14.98 -2.04	163.19 16.22 -2.46	171.79 17.50 -5.96	269.40 17.35 -113.13	255.33 9.55 -168.78	185.70 16.14 -30.51	225.11 19.19 -3.28	204.06 14.44 -61.32	158.68 10.76 -55.31	154.60 12.13 -32.94	159.86 13.32 -23.03	156.37 14.76 -6.31	204.51 15.97 -39.19	194.54 16.77 -13.52	174.16 8.14 -92.81	167.83 11.94 -49.02	162.81 8.69 -78.46	179.86 15.25 -30.42	166.82 16.44 -0.78	151.63 14.18 -13.27
BALL_HILL_WT_PWR 323825	134.58 -12.64 0.00	130.05 -10.48 0.00	109.52 -7.72 0.00	128.62 -10.44 0.00	135.93 -9.02 0.00	137.52 -7.00 0.00	139.89 -8.60 -0.17	130.52 -11.21 -2.81	86.49 -6.07 -15.56	131.73 -12.07 -4.75	184.98 -15.25 2.41	123.44 -10.38 -5.53	86.50 -7.49 -1.37	99.98 -9.75 -0.21	111.90 -11.61 0.00	123.39 -12.28 -0.36	136.00 -12.41 0.94	136.74 -13.57 13.95	76.60 -6.73 -10.12	95.20 -10.18 1.48	78.69 -7.10 -10.13	116.00 -12.49 5.70	133.45 -13.57 2.58	114.21 -10.83 -0.87
BARON_WINDS___WT_PWR 323822	138.15 -9.06 0.00	133.02 -7.51 0.00	111.31 -5.92 0.00	131.51 -7.55 0.00	138.34 -6.61 0.00	139.66 -4.86 0.00	142.45 -5.37 0.51	134.08 -6.31 -1.47	92.36 -3.64 -19.00	136.82 -8.55 -6.32	186.31 -12.10 4.22	126.50 -9.14 -7.35	87.29 -7.15 -1.83	100.27 -9.38 -0.12	113.75 -9.77 0.00	126.48 -9.31 -0.48	139.17 -8.55 1.62	131.49 -9.16 23.61	83.08 -3.65 -13.51	98.72 -5.29 2.86	85.43 -3.72 -13.49	115.60 -7.39 11.21	135.89 -9.25 4.46	117.65 -7.68 -1.15
BARRETT_IC_1 23704	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_10 23701	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	229.84 12.64 -52.94	240.29 6.20 -160.88	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_11 23702	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	229.84 12.64 -52.94	240.29 6.20 -160.88	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_12 23703	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	229.84 12.64 -52.94	240.29 6.20 -160.88	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_2 23705	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_3 23706	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_4 23707	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27

BARRETT_IC_5 23708	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_6 23709	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_7 23710	187.84 11.74 -28.89	184.08 11.73 -31.82	191.01 9.96 -63.82	189.73 11.09 -39.58	182.31 11.93 -25.42	189.09 13.10 -31.47	197.41 13.89 -35.19	271.25 13.80 -118.53	253.45 7.67 -168.78	203.82 12.91 -51.87	249.83 16.19 -31.00	219.69 11.72 -79.68	205.32 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.04 11.42 -6.31	200.73 12.19 -39.19	320.30 12.63 -143.41	396.55 6.22 -317.12	164.94 9.05 -49.02	160.74 6.61 -78.46	176.23 11.61 -30.42	162.87 12.49 -0.78	148.39 10.95 -13.27
BARRETT_IC_8 23711	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT_IC_9 23700	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	229.84 12.64 -52.94	240.29 6.20 -160.88	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT___1 23545	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	320.31 12.64 -143.41	396.53 6.20 -317.12	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BARRETT___2 23546	187.85 11.75 -28.89	184.10 11.75 -31.82	190.98 9.92 -63.82	189.73 11.08 -39.58	182.30 11.93 -25.42	189.10 13.11 -31.47	197.41 13.89 -35.19	271.26 13.80 -118.53	253.46 7.67 -168.78	203.81 12.90 -51.87	249.74 16.11 -31.00	219.71 11.73 -79.69	205.33 8.60 -104.11	203.22 9.75 -83.94	197.31 10.64 -63.16	153.03 11.41 -6.31	200.72 12.19 -39.19	229.84 12.64 -52.94	240.29 6.20 -160.88	164.92 9.03 -49.02	160.73 6.61 -78.46	176.18 11.57 -30.42	162.84 12.45 -0.78	148.39 10.95 -13.27
BATAVIA__115KV_TB1 55881	139.64 -7.57 0.00	134.74 -5.79 0.00	113.18 -4.06 0.00	133.18 -5.89 0.00	140.44 -4.51 0.00	141.97 -2.55 0.00	144.38 -4.16 -0.21	135.06 -6.47 -2.61	87.07 -3.39 -13.46	135.42 -7.69 -4.07	189.89 -11.08 1.67	125.08 -7.94 -4.72	87.88 -5.91 -1.17	102.05 -7.71 -0.23	114.79 -8.72 0.00	126.33 -9.28 -0.31	139.61 -9.08 0.66	145.32 -9.28 9.66	135.64 -4.66 -67.09	131.06 -6.85 -31.04	79.73 -4.59 -8.65	121.61 -8.71 3.88	138.20 -9.60 1.81	117.71 -7.20 -0.74
BAYONEEC___CTG1 323682	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG10 323750	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG2 323683	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG3 323684	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG4 323685	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG5 323686	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG6 323687	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08

BAYONEEC___CTG7 323688	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG8 323689	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BAYONEEC___CTG9 323749	158.66 11.45 0.00	151.58 11.05 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.13 11.18 0.00	157.06 12.54 0.00	163.56 13.16 -2.07	172.14 13.12 -20.10	180.84 7.28 -96.57	180.20 12.45 -28.71	208.97 16.30 9.96	173.08 11.41 -33.38	109.21 8.31 -8.29	122.38 9.22 -3.63	133.50 9.98 0.00	148.45 10.95 -2.20	160.74 11.40 0.00	179.31 11.64 -3.42	139.65 5.81 -60.64	123.71 8.57 -8.26	142.99 6.31 -61.02	167.00 11.22 -21.58	162.28 11.90 -0.78	140.72 10.47 -6.08
BEACON___LESR 323632	154.94 7.73 0.00	148.32 7.79 0.00	123.56 6.32 0.00	146.19 7.13 0.00	152.86 7.91 0.00	153.46 8.94 0.00	162.97 9.26 -5.39	186.22 8.69 -38.61	203.36 4.90 -121.45	182.91 8.84 -35.01	215.97 12.20 -1.14	176.72 7.72 -40.70	108.50 5.77 -10.11	120.82 6.87 -4.43	130.83 7.32 0.00	146.01 8.03 -2.68	157.69 8.35 0.00	188.87 9.38 -15.24	163.24 4.46 -85.57	136.91 6.42 -23.62	158.16 4.49 -78.01	141.69 7.50 0.00	157.46 7.85 0.00	137.77 7.19 -6.40
BEAVER RIVER___HYD 24048	146.94 -0.28 0.00	139.23 -1.30 0.00	115.79 -1.45 0.00	138.67 -0.39 0.00	145.64 0.69 0.00	145.01 0.50 0.00	149.14 0.81 0.00	141.03 1.75 -0.36	81.27 0.85 -3.42	141.87 1.78 -1.05	205.83 3.16 -0.03	130.89 1.38 -1.22	93.01 0.09 -0.30	110.37 0.71 -0.13	124.41 0.90 0.00	136.00 0.62 -0.08	150.83 1.48 0.00	166.98 2.72 0.00	75.48 0.37 -1.90	106.69 -0.18 0.00	77.13 -0.66 -2.13	135.50 1.30 0.00	153.69 4.09 0.00	127.79 3.42 -0.19
BEEBEE_GT_13 23619	140.70 -6.51 0.00	135.27 -5.26 0.00	113.32 -3.92 0.00	133.65 -5.41 0.00	140.40 -4.55 0.00	141.41 -3.11 0.00	144.27 -4.06 0.00	134.90 -5.23 -1.21	85.73 -2.71 -11.44	136.48 -6.06 -3.50	192.90 -8.47 1.27	126.63 -5.73 -4.07	89.47 -4.16 -1.01	104.45 -5.30 -0.23	117.26 -6.25 0.00	128.88 -6.69 -0.27	141.87 -6.97 0.51	149.14 -7.47 7.64	82.70 -3.55 -13.04	103.67 -5.32 -2.12	79.28 -3.50 -7.12	124.61 -6.73 2.86	140.63 -7.58 1.39	119.08 -5.74 -0.64
BENSHRST_27_KV_BENSHRST_1 355998	241.14 13.96 -79.97	224.87 13.41 -70.93	222.97 11.12 -94.61	224.36 12.46 -72.84	224.80 13.60 -66.24	224.83 15.00 -65.31	228.22 15.65 -64.24	230.47 15.53 -76.01	239.12 8.62 -153.50	314.11 14.75 -160.31	545.65 19.91 -323.11	470.01 13.58 -328.13	1164.49 9.79 -1062.08	620.23 10.92 -499.78	527.14 12.16 -391.47	688.14 13.30 -539.54	630.23 14.19 -466.70	565.59 14.55 -386.78	653.80 7.18 -573.42	966.26 10.58 -848.80	612.65 7.73 -529.26	407.16 13.52 -259.45	363.02 14.26 -199.16	308.27 12.59 -171.50
BETHLEHEM___GRP 23843	152.35 5.14 0.00	145.60 5.07 0.00	121.42 4.18 0.00	143.53 4.46 0.00	150.07 5.12 0.00	150.39 5.88 0.00	159.48 5.86 -5.30	182.37 5.30 -38.15	201.25 2.84 -121.41	179.33 5.23 -35.06	210.75 6.98 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.45 4.48 -4.44	128.13 4.62 0.00	142.89 4.89 -2.68	154.09 4.74 0.00	184.19 5.25 -14.69	160.88 2.60 -85.07	133.43 3.61 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.88 4.29 -6.41
BETHLEHEM___GS1 323560	152.35 5.13 0.00	145.61 5.08 0.00	121.41 4.17 0.00	143.52 4.46 0.00	150.07 5.12 0.00	150.40 5.88 0.00	159.48 5.86 -5.30	182.36 5.30 -38.15	201.25 2.84 -121.41	179.34 5.24 -35.06	210.69 6.92 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.46 4.49 -4.44	128.14 4.62 0.00	142.88 4.90 -2.68	154.09 4.74 0.00	184.18 5.23 -14.69	160.88 2.60 -85.07	133.42 3.60 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.87 4.28 -6.41
BETHLEHEM___GS2 323561	152.35 5.13 0.00	145.61 5.08 0.00	121.41 4.17 0.00	143.52 4.46 0.00	150.07 5.12 0.00	150.40 5.88 0.00	159.48 5.86 -5.30	182.36 5.30 -38.15	201.25 2.84 -121.41	179.34 5.24 -35.06	210.69 6.92 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.46 4.49 -4.44	128.14 4.62 0.00	142.88 4.90 -2.68	154.09 4.74 0.00	184.18 5.23 -14.69	160.88 2.60 -85.07	133.42 3.60 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.87 4.28 -6.41
BETHLEHEM___GS3 323562	152.35 5.13 0.00	145.61 5.08 0.00	121.41 4.17 0.00	143.52 4.46 0.00	150.07 5.12 0.00	150.40 5.88 0.00	159.48 5.86 -5.30	182.36 5.30 -38.15	201.25 2.84 -121.41	179.34 5.24 -35.06	210.69 6.92 -1.14	173.82 4.77 -40.76	106.50 3.76 -10.12	118.46 4.49 -4.44	128.14 4.62 0.00	142.88 4.90 -2.68	154.09 4.74 0.00	184.18 5.23 -14.69	160.88 2.60 -85.07	133.42 3.60 -22.95	156.00 2.41 -77.92	138.08 3.89 0.00	153.54 3.94 0.00	134.87 4.28 -6.41
BETHLEHEM___STEEL 23779	135.31 -11.91 0.00	130.81 -9.72 0.00	110.00 -7.24 0.00	129.34 -9.72 0.00	136.55 -8.40 0.00	138.02 -6.50 0.00	140.24 -8.27 -0.18	131.03 -10.74 -2.85	86.72 -5.85 -15.57	131.98 -11.81 -4.75	184.77 -15.49 2.38	123.37 -10.45 -5.52	86.42 -7.57 -1.37	100.01 -9.73 -0.21	112.06 -11.45 0.00	123.20 -12.47 -0.36	135.41 -13.01 0.93	136.33 -14.15 13.78	76.35 -6.97 -10.11	95.24 -10.19 1.45	78.87 -6.91 -10.11	116.15 -12.43 5.61	133.58 -13.48 2.55	114.60 -10.44 -0.86
BETHLHEM_115KV_TB1 79974	152.42 5.21 0.00	145.64 5.11 0.00	121.47 4.24 0.00	143.63 4.56 0.00	150.09 5.14 0.00	150.44 5.92 0.00	159.40 5.97 -5.10	181.52 5.42 -37.18	201.00 2.93 -121.07	179.43 5.36 -35.03	210.96 7.18 -1.14	173.90 4.89 -40.72	106.53 3.80 -10.12	118.47 4.51 -4.43	128.22 4.71 0.00	143.03 5.04 -2.68	154.24 4.89 0.00	183.58 5.37 -13.96	160.11 2.66 -84.24	132.65 3.73 -22.05	155.85 2.56 -77.62	138.38 4.19 0.00	153.87 4.27 0.00	135.05 4.47 -6.40
BETHPAGE_CC_5 323564	163.57 13.03 -3.33	157.32 13.12 -3.67	153.82 11.18 -25.40	158.18 12.55 -6.57	161.26 13.33 -2.98	162.40 14.26 -3.62	170.80 15.33 -7.14	267.48 15.22 -113.35	254.28 8.50 -168.78	184.78 14.36 -31.37	224.88 17.85 -4.39	203.54 13.18 -62.06	159.63 9.74 -57.27	155.55 11.02 -35.00	160.24 12.09 -24.64	154.83 13.21 -6.31	202.57 14.04 -39.19	196.82 14.51 -18.05	180.94 7.09 -100.64	166.29 10.41 -49.02	161.70 7.57 -78.46	177.91 13.29 -30.42	164.87 14.49 -0.78	150.05 12.60 -13.27
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	135.80 -11.41 0.00	131.34 -9.19 0.00	110.46 -6.78 0.00	129.94 -9.12 0.00	137.15 -7.80 0.00	138.57 -5.95 0.00	140.87 -7.65 -0.20	131.85 -10.01 -2.94	87.32 -5.50 -15.83	132.66 -11.20 -4.82	185.69 -14.52 2.43	123.96 -9.93 -5.60	86.80 -7.20 -1.39	100.48 -9.27 -0.21	112.60 -10.91 0.00	123.84 -11.84 -0.37	136.11 -12.29 0.95	136.87 -13.33 14.06	76.86 -6.60 -10.26	95.74 -9.65 1.49	79.34 -6.58 -10.26	116.68 -11.82 5.70	134.14 -12.86 2.60	115.12 -9.93 -0.87

BINGHAMTON___COGEN 23790	147.20 -0.02 0.00	141.14 0.61 0.00	117.81 0.57 0.00	139.34 0.28 0.00	145.62 0.67 0.00	146.25 1.73 0.00	150.79 1.70 -0.77	147.47 1.57 -6.97	108.89 0.72 -31.17	148.71 0.44 -9.23	201.58 -0.22 0.83	138.31 -0.70 -10.72	94.86 -0.42 -2.66	109.87 -0.64 -0.99	122.76 -0.75 0.00	135.63 -0.38 -0.71	148.90 -0.03 0.42	158.75 -0.62 4.88	93.19 0.08 -19.90	108.73 -0.01 -1.87	95.37 -0.02 -19.73	131.85 0.03 2.37	148.00 -0.45 1.15	125.60 -0.26 -1.68
BIXINCNT_115KV_LOAD 355685	135.41 -11.81 0.00	131.86 -8.67 0.00	112.17 -5.07 0.00	132.36 -6.71 0.00	139.97 -4.98 0.00	141.11 -3.41 0.00	143.73 -4.88 -0.28	135.58 -6.69 -3.35	89.94 -4.05 -16.99	135.21 -8.96 -5.12	188.80 -11.14 2.70	126.18 -8.07 -5.95	87.85 -6.25 -1.48	101.41 -8.33 -0.21	113.23 -10.29 0.00	125.46 -10.24 -0.39	138.74 -9.56 1.05	139.18 -9.47 15.60	79.51 -4.61 -10.92	98.09 -7.08 1.70	81.39 -5.19 -10.92	118.22 -9.81 6.17	136.17 -10.54 2.89	116.72 -8.39 -0.93
BLACK RIVER___HYD 24047	148.06 0.85 0.00	140.43 -0.10 0.00	116.73 -0.51 0.00	139.25 0.19 0.00	146.57 1.62 0.00	146.62 2.10 0.00	151.41 3.07 0.00	143.64 4.21 -0.50	84.03 2.26 -4.77	144.94 4.43 -1.46	209.42 6.73 -0.05	133.06 3.07 -1.70	94.22 1.19 -0.42	111.96 2.25 -0.18	126.23 2.71 0.00	138.30 2.89 -0.11	153.52 4.18 0.00	169.76 5.51 0.00	77.44 1.57 -2.66	108.42 1.55 0.00	79.15 0.52 -2.97	137.74 3.55 0.00	155.46 5.86 0.00	129.12 4.68 -0.27
BLACKRVR_115KV_TB2 79977	148.06 0.84 0.00	140.43 -0.10 0.00	116.72 -0.52 0.00	139.25 0.19 0.00	146.57 1.62 0.00	146.63 2.11 0.00	151.40 3.07 0.00	143.64 4.22 -0.50	84.02 2.24 -4.77	144.94 4.44 -1.46	209.38 6.70 -0.05	133.06 3.07 -1.70	94.22 1.19 -0.42	111.94 2.23 -0.18	126.23 2.71 0.00	138.30 2.88 -0.11	153.51 4.17 0.00	169.75 5.49 0.00	77.43 1.57 -2.66	108.42 1.55 0.00	79.15 0.52 -2.97	137.74 3.55 0.00	155.46 5.86 0.00	129.13 4.69 -0.27
BLISS_WT_PWR 323608	134.13 -13.09 0.00	130.89 -9.64 0.00	111.85 -5.38 0.00	131.97 -7.09 0.00	139.79 -5.17 0.00	140.94 -3.58 0.00	143.51 -5.10 -0.28	135.39 -6.88 -3.35	89.78 -4.21 -16.99	134.97 -9.20 -5.12	188.79 -11.14 2.70	126.05 -8.20 -5.95	87.59 -6.50 -1.48	100.93 -8.81 -0.21	112.66 -10.85 0.00	124.96 -10.74 -0.39	138.56 -9.74 1.05	139.29 -9.36 15.60	79.71 -4.42 -10.92	98.28 -6.89 1.70	81.35 -5.23 -10.92	117.94 -10.09 6.17	135.75 -10.97 2.89	116.48 -8.63 -0.93
BLUESTONE___WT_PWR 323821	152.73 5.52 0.00	145.51 4.98 0.00	122.21 4.97 0.00	143.36 4.30 0.00	149.85 4.91 0.00	151.42 6.90 0.00	157.12 7.65 -1.14	155.15 7.20 -9.04	115.10 3.99 -34.11	155.65 6.62 -9.98	214.24 9.97 -1.64	145.44 5.53 -11.61	99.51 4.01 -2.88	114.73 3.74 -1.47	127.97 4.46 0.00	143.01 6.94 -0.76	160.63 10.80 -0.48	185.11 11.07 -9.79	100.25 4.29 -22.76	119.44 6.39 -6.18	102.29 4.89 -21.73	146.22 9.30 -2.73	159.77 8.84 -1.33	133.06 7.07 -1.82
BLUE_CIRC_CHEM_DRP 24182	153.07 5.86 0.00	146.27 5.74 0.00	122.04 4.80 0.00	144.35 5.29 0.00	150.80 5.85 0.00	151.14 6.62 0.00	159.30 6.69 -4.29	178.12 6.19 -33.01	198.71 3.32 -118.39	179.37 5.81 -34.52	211.75 7.99 -1.12	173.64 5.22 -40.13	106.42 3.84 -9.97	118.50 4.61 -4.37	128.38 4.87 0.00	143.55 5.60 -2.64	155.20 5.85 0.00	181.71 6.43 -11.03	156.43 3.08 -80.14	129.69 4.44 -18.38	154.39 3.13 -75.60	139.54 5.35 0.00	155.18 5.58 0.00	135.84 5.36 -6.31
BOC_GAS_DRP 24189	152.17 4.95 0.00	145.39 4.86 0.00	121.31 4.07 0.00	143.47 4.41 0.00	149.89 4.94 0.00	150.15 5.63 0.00	158.02 5.67 -4.02	176.12 5.40 -31.80	199.14 2.98 -119.16	179.17 5.27 -34.86	210.88 7.11 -1.13	173.67 4.84 -40.53	106.28 3.60 -10.07	118.22 4.28 -4.41	128.08 4.57 0.00	142.88 4.91 -2.67	154.20 4.85 0.00	179.32 5.16 -9.91	155.44 2.58 -79.64	127.68 3.75 -17.06	154.34 2.72 -75.95	138.80 4.60 0.00	154.39 4.79 0.00	135.18 4.63 -6.37
BOONVILLE_115KV_TB1 79983	149.82 2.60 0.00	142.62 2.09 0.00	118.79 1.56 0.00	141.57 2.50 0.00	148.38 3.43 0.00	148.46 3.94 0.00	152.79 4.47 0.00	144.04 4.81 -0.31	82.50 2.57 -2.93	144.34 4.40 -0.89	208.49 5.83 -0.03	132.61 3.28 -1.04	94.68 1.81 -0.26	112.07 2.43 -0.11	126.39 2.87 0.00	138.47 3.09 -0.07	153.57 4.22 0.00	169.54 5.28 0.00	76.88 2.05 -1.63	109.51 2.64 0.00	79.09 1.60 -1.82	138.31 4.11 0.00	155.20 5.60 0.00	128.90 4.56 -0.16
BORALEX_4TH_BRANCH 23824	157.15 9.93 0.00	150.00 9.47 0.00	124.98 7.74 0.00	147.74 8.68 0.00	154.38 9.43 0.00	154.53 10.02 0.00	165.30 10.29 -6.68	193.81 9.96 -44.93	205.08 5.30 -122.78	183.51 9.54 -34.93	217.40 13.63 -1.13	178.31 9.41 -40.60	109.41 6.71 -10.09	121.87 7.92 -4.42	132.27 8.76 0.00	147.42 9.44 -2.67	158.07 8.72 0.00	194.42 10.07 -20.09	168.51 4.79 -90.51	143.54 7.11 -29.56	160.50 5.42 -79.42	142.86 8.66 0.00	158.98 9.38 0.00	139.43 8.87 -6.39
BOWLINE___1 23526	156.49 9.28 0.00	149.56 9.03 0.00	124.67 7.44 0.00	147.28 8.22 0.00	154.01 9.06 0.00	154.84 10.32 0.00	161.04 10.70 -2.01	169.22 10.82 -19.48	176.69 6.03 -93.65	176.97 10.08 -27.84	216.46 12.92 -0.90	169.62 8.95 -32.37	106.92 6.26 -8.04	119.98 6.93 -3.52	131.00 7.49 0.00	145.82 8.39 -2.13	158.28 8.93 0.00	176.97 9.40 -3.31	136.60 4.59 -58.80	121.60 6.73 -8.00	139.83 5.00 -59.17	104.63 8.47 38.03	157.39 9.16 1.37	134.88 7.17 -3.54
BOWLINE___2 23595	156.52 9.30 0.00	149.56 9.03 0.00	124.67 7.44 0.00	147.27 8.20 0.00	154.01 9.06 0.00	154.84 10.32 0.00	161.05 10.71 -2.01	169.26 10.85 -19.48	176.70 6.04 -93.66	177.00 10.10 -27.85	216.50 12.96 -0.90	169.65 8.98 -32.37	106.95 6.29 -8.04	119.98 6.93 -3.52	131.01 7.50 0.00	145.87 8.43 -2.13	158.39 9.04 0.00	177.08 9.51 -3.31	136.62 4.60 -58.81	121.63 6.75 -8.00	139.84 5.00 -59.18	104.60 8.45 38.04	157.39 9.16 1.37	134.89 7.17 -3.54
BRADY___115KV_TB2 356060	148.19 0.98 0.00	140.94 0.41 0.00	117.64 0.40 0.00	140.33 1.27 0.00	145.31 0.36 0.00	142.60 -1.92 0.00	145.88 -2.45 0.00	136.33 -2.59 0.00	75.40 -1.60 0.00	136.72 -2.32 0.00	200.96 -1.67 0.00	127.04 -1.26 0.00	91.33 -1.29 0.00	107.95 -1.58 0.00	122.06 -1.45 0.00	133.82 -1.48 0.00	148.53 -0.82 0.00	164.10 -0.15 0.00	72.41 -0.79 0.00	105.65 -1.22 0.00	74.67 -1.00 0.00	133.25 -0.95 0.00	149.83 0.23 0.00	124.10 -0.07 0.00
BRANSCOMB___SOLAR 323811	157.41 10.20 0.00	150.23 9.70 0.00	125.17 7.93 0.00	148.09 9.03 0.00	154.80 9.84 0.00	155.61 11.09 0.00	168.48 11.64 -8.51	204.67 11.43 -54.32	211.72 6.05 -128.67	185.40 10.34 -36.01	217.73 13.93 -1.17	178.95 8.79 -41.86	108.98 5.97 -10.40	121.11 7.02 -4.56	131.32 7.81 0.00	147.30 9.24 -2.76	159.87 10.52 0.00	203.30 12.14 -26.90	178.70 5.66 -99.84	153.19 8.23 -38.08	165.50 5.93 -83.90	143.96 9.76 0.00	159.95 10.35 0.00	139.99 9.22 -6.59
BRENTWOD_69_KV_W. BRTWOOD 56703	161.77 13.15 -1.41	155.56 13.47 -1.55	151.52 11.77 -22.51	156.31 13.15 -4.09	160.10 13.86 -1.29	160.98 14.93 -1.54	169.61 16.25 -5.03	268.04 16.17 -112.96	254.60 8.82 -168.78	183.73 14.86 -29.83	222.29 17.25 -2.40	202.38 13.35 -60.74	156.36 9.98 -53.76	152.14 11.29 -31.32	157.60 12.34 -21.75	155.18 13.56 -6.31	203.08 14.55 -39.19	189.12 15.00 -9.86	167.07 7.37 -86.49	166.75 10.86 -49.02	162.12 8.00 -78.46	178.66 14.05 -30.42	165.49 15.10 -0.78	150.66 13.22 -13.27

BRISTLHL_115KV_TB1 79998	143.82 -3.39 0.00	137.55 -2.99 0.00	114.70 -2.54 0.00	135.81 -3.26 0.00	142.05 -2.90 0.00	142.42 -2.10 0.00	146.31 -2.02 0.00	137.86 -1.85 -0.79	83.47 -0.99 -7.45	139.14 -2.18 -2.28	198.86 -3.85 -0.07	128.13 -2.81 -2.65	91.18 -2.09 -0.66	107.35 -2.46 -0.29	120.54 -2.97 0.00	132.57 -2.91 -0.17	146.55 -2.80 0.00	161.21 -3.05 0.00	76.05 -1.30 -4.15	104.83 -2.04 0.00	78.80 -1.49 -4.63	131.35 -2.85 0.00	146.15 -3.45 0.00	121.85 -2.74 -0.41
BROOKHAVEN___DRP 24191	161.44 13.03 -1.19	155.24 13.40 -1.31	151.22 11.79 -22.19	156.65 13.78 -3.81	160.59 14.54 -1.10	161.52 15.70 -1.30	170.13 17.01 -4.79	268.50 16.67 -112.91	254.72 8.94 -168.78	183.95 15.25 -29.66	220.95 16.14 -2.17	202.36 13.48 -60.59	156.07 10.10 -53.36	151.35 10.91 -30.91	156.90 11.96 -21.42	155.06 13.44 -6.31	203.68 15.15 -39.19	188.74 15.56 -8.92	165.74 7.66 -84.87	167.14 11.26 -49.02	162.31 8.18 -78.46	179.17 14.56 -30.42	166.31 15.93 -0.78	151.28 13.83 -13.27
BROOKLYN_NAVY_YARD 23515	158.77 11.56 0.00	151.67 11.14 0.00	126.36 9.13 0.00	149.18 10.12 0.00	156.19 11.24 0.00	157.17 12.65 0.00	163.67 13.27 -2.07	172.26 13.24 -20.10	180.95 7.38 -96.57	180.34 12.59 -28.71	221.58 16.47 -2.48	173.24 11.57 -33.38	109.19 8.28 -8.29	122.30 9.14 -3.63	133.35 9.84 0.00	148.32 10.82 -2.20	160.64 11.30 0.00	179.18 11.50 -3.42	139.59 5.75 -60.64	123.66 8.53 -8.26	142.96 6.28 -61.02	167.01 11.23 -21.58	162.33 11.95 -0.78	140.76 10.51 -6.08
BROOKLYN___ARMY_DRP 323595	240.17 12.99 -79.97	224.01 12.56 -70.93	222.26 10.40 -94.61	223.53 11.62 -72.84	223.94 12.74 -66.24	223.95 14.12 -65.31	227.30 14.72 -64.24	229.57 14.63 -76.01	238.59 8.08 -153.50	293.17 13.78 -140.34	452.79 18.44 -231.71	465.08 12.67 -324.11	1163.84 9.14 -1062.08	619.46 10.15 -499.78	526.29 11.31 -391.47	680.55 12.36 -532.88	622.53 13.14 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.45 9.77 -848.80	612.09 7.16 -529.26	406.23 12.59 -259.45	362.01 13.25 -199.16	307.49 11.82 -171.50
BROOKVLE_69_KV_TB1 55790	166.57 13.87 -5.48	160.35 13.78 -6.04	157.58 11.71 -28.64	161.48 13.06 -9.35	163.84 14.02 -4.87	165.69 15.20 -5.97	173.73 15.90 -9.50	268.46 15.75 -113.78	254.77 8.98 -168.78	187.47 15.32 -33.10	228.88 19.61 -6.64	205.71 13.87 -63.54	163.97 10.14 -61.22	160.17 11.52 -39.12	164.07 12.66 -27.89	155.48 13.86 -6.31	203.34 14.80 -39.19	207.43 15.60 -27.58	197.83 7.52 -117.09	166.85 10.97 -49.02	162.09 7.96 -78.46	178.62 14.01 -30.42	165.33 14.94 -0.78	150.40 12.96 -13.27
BROOME_2_LFGE 323671	147.20 -0.02 0.00	141.13 0.60 0.00	117.80 0.56 0.00	139.33 0.27 0.00	145.61 0.66 0.00	146.25 1.74 0.00	150.80 1.70 -0.77	147.47 1.57 -6.97	108.89 0.72 -31.17	148.73 0.46 -9.23	201.61 -0.19 0.83	138.31 -0.70 -10.72	94.85 -0.43 -2.66	109.87 -0.65 -0.99	122.72 -0.79 0.00	135.64 -0.37 -0.71	148.90 -0.03 0.42	158.75 -0.61 4.88	93.18 0.07 -19.90	108.73 -0.01 -1.87	95.35 -0.04 -19.73	131.84 0.01 2.37	148.01 -0.44 1.15	125.62 -0.23 -1.68
BROOME___LFGE 323600	147.20 -0.02 0.00	141.13 0.60 0.00	117.80 0.56 0.00	139.33 0.27 0.00	145.61 0.66 0.00	146.25 1.74 0.00	150.80 1.70 -0.77	147.47 1.57 -6.97	108.89 0.72 -31.17	148.73 0.46 -9.23	201.61 -0.19 0.83	138.31 -0.70 -10.72	94.85 -0.43 -2.66	109.87 -0.65 -0.99	122.72 -0.79 0.00	135.64 -0.37 -0.71	148.90 -0.03 0.42	158.75 -0.61 4.88	93.18 0.07 -19.90	108.73 -0.01 -1.87	95.35 -0.04 -19.73	131.84 0.01 2.37	148.01 -0.44 1.15	125.62 -0.23 -1.68
BROWNFLS_115KV_TB_3_5 80003	146.52 -0.70 0.00	139.03 -1.50 0.00	115.78 -1.46 0.00	138.51 -0.55 0.00	144.31 -0.64 0.00	142.44 -2.08 0.00	145.60 -2.73 0.00	137.09 -2.08 -0.25	78.10 -1.30 -2.40	137.96 -1.82 -0.73	201.48 -1.18 -0.02	127.99 -1.16 -0.85	91.35 -1.47 -0.21	108.23 -1.39 -0.09	122.09 -1.42 0.00	133.28 -2.08 -0.06	147.74 -1.60 0.00	163.34 -0.91 0.00	73.34 -1.21 -1.34	104.64 -2.23 0.00	75.24 -1.92 -1.49	133.02 -1.17 0.00	150.89 1.29 0.00	125.53 1.22 -0.13
BROWNSV1_27_KV_LOAD 356125	160.63 13.42 0.00	153.44 12.91 0.00	127.95 10.71 0.00	150.99 11.92 0.00	157.99 13.04 0.00	159.03 14.52 0.00	165.67 15.27 -2.07	174.12 15.10 -20.10	182.00 8.43 -96.57	182.27 14.51 -28.71	222.99 19.42 -0.93	175.03 13.35 -33.38	110.58 9.67 -8.29	123.95 10.79 -3.63	135.29 11.78 0.00	150.46 12.96 -2.20	162.96 13.61 0.00	181.85 14.18 -3.42	140.76 6.91 -60.64	125.32 10.19 -8.26	144.12 7.44 -61.02	168.96 13.18 -21.58	164.42 14.04 -0.78	142.43 12.18 -6.08
BURROWS___LYONSDAL 23803	148.88 1.67 0.00	141.48 0.95 0.00	117.78 0.54 0.00	140.65 1.59 0.00	147.62 2.67 0.00	147.56 3.05 0.00	151.82 3.49 0.00	143.26 4.02 -0.32	82.14 2.11 -3.02	143.66 3.69 -0.92	207.79 5.13 -0.03	132.19 2.82 -1.07	94.23 1.35 -0.27	111.61 1.96 -0.12	125.86 2.35 0.00	137.81 2.43 -0.07	152.76 3.42 0.00	168.82 4.56 0.00	76.46 1.57 -1.68	108.68 1.81 0.00	78.48 0.94 -1.88	137.49 3.30 0.00	154.92 5.32 0.00	128.69 4.35 -0.17
CAITHNESS_CC_1 323624	160.85 12.45 -1.19	154.70 12.87 -1.30	150.64 11.23 -22.18	155.89 13.03 -3.80	159.80 13.75 -1.10	160.68 14.87 -1.29	169.21 16.10 -4.78	267.64 15.80 -112.91	254.31 8.53 -168.78	183.19 14.49 -29.65	220.10 15.30 -2.16	201.68 12.80 -60.58	155.65 9.69 -53.35	150.99 10.57 -30.90	156.49 11.56 -21.41	154.54 12.92 -6.31	202.85 14.31 -39.19	187.76 14.61 -8.90	165.26 7.22 -84.83	166.54 10.66 -49.02	161.92 7.79 -78.46	178.42 13.80 -30.42	165.54 15.16 -0.78	150.69 13.25 -13.27
CALPINE BETH_PAGE_GT4 24209	164.58 13.11 -4.26	158.36 13.14 -4.69	155.31 11.28 -26.80	159.42 12.58 -7.77	162.11 13.37 -3.79	163.22 14.07 -4.64	171.58 15.09 -8.16	267.47 15.01 -113.54	254.16 8.38 -168.78	185.35 14.19 -32.12	226.11 18.11 -5.36	204.22 13.23 -62.70	161.38 9.78 -58.98	157.38 11.08 -36.78	161.72 12.16 -26.04	154.89 13.27 -6.31	202.51 13.97 -39.19	200.58 14.35 -21.98	187.63 7.00 -107.42	166.16 10.28 -49.02	161.61 7.48 -78.46	177.83 13.21 -30.42	164.92 14.53 -0.78	150.08 12.63 -13.27
CALPINE_BETH_PAGE_GT_4 323586	164.56 13.09 -4.26	158.37 13.15 -4.69	155.25 11.21 -26.80	159.42 12.58 -7.77	162.12 13.37 -3.79	163.21 14.06 -4.64	171.58 15.09 -8.16	267.47 15.01 -113.54	254.16 8.37 -168.78	185.36 14.19 -32.12	226.04 18.04 -5.36	204.26 13.27 -62.70	161.38 9.78 -58.98	157.38 11.08 -36.78	161.69 12.13 -26.04	154.89 13.27 -6.31	202.49 13.96 -39.19	200.58 14.35 -21.98	187.62 7.00 -107.42	166.13 10.24 -49.02	161.61 7.49 -78.46	177.77 13.16 -30.42	164.91 14.52 -0.78	150.08 12.63 -13.27
CALPINE_BP_GT1 23823	164.56 13.09 -4.26	158.37 13.15 -4.69	155.25 11.21 -26.80	159.42 12.58 -7.77	162.12 13.37 -3.79	163.21 14.06 -4.64	171.58 15.09 -8.16	267.47 15.01 -113.54	254.16 8.37 -168.78	185.36 14.19 -32.12	226.04 18.04 -5.36	204.26 13.27 -62.70	161.38 9.78 -58.98	157.38 11.08 -36.78	161.69 12.13 -26.04	154.89 13.27 -6.31	202.49 13.96 -39.19	200.58 14.35 -21.98	187.62 7.00 -107.42	166.13 10.24 -49.02	161.61 7.49 -78.46	177.77 13.16 -30.42	164.91 14.52 -0.78	150.08 12.63 -13.27
CALSPAN___DRP 24200	135.31 -11.91 0.00	130.81 -9.72 0.00	110.00 -7.24 0.00	129.34 -9.72 0.00	136.55 -8.40 0.00	138.02 -6.50 0.00	140.24 -8.27 -0.18	131.03 -10.74 -2.85	86.72 -5.85 -15.57	131.98 -11.81 -4.75	184.77 -15.49 2.38	123.37 -10.45 -5.52	86.42 -7.57 -1.37	100.01 -9.73 -0.21	112.06 -11.45 0.00	123.20 -12.47 -0.36	135.41 -13.01 0.93	136.33 -14.15 13.78	76.35 -6.97 -10.11	95.24 -10.19 1.45	78.87 -6.91 -10.11	116.15 -12.43 5.61	133.58 -13.48 2.55	114.60 -10.44 -0.86

CALVERTON___SOLAR 323806	162.16 13.75 -1.19	155.98 14.13 -1.31	151.72 12.30 -22.19	157.48 14.60 -3.81	161.47 15.42 -1.10	162.44 16.62 -1.30	171.14 18.01 -4.79	269.46 17.62 -112.91	255.16 9.38 -168.78	184.77 16.07 -29.66	221.82 17.01 -2.17	203.07 14.19 -60.59	156.55 10.57 -53.36	151.77 11.33 -30.91	157.40 12.46 -21.43	155.67 14.05 -6.31	204.59 16.06 -39.19	189.82 16.63 -8.93	166.22 8.13 -84.89	167.79 11.90 -49.02	162.71 8.58 -78.46	179.79 15.17 -30.42	167.17 16.79 -0.78	151.96 14.51 -13.27
CANDIGU_WT_PWR 323617	138.15 -9.06 0.00	133.02 -7.51 0.00	111.31 -5.92 0.00	131.51 -7.55 0.00	138.34 -6.61 0.00	139.66 -4.86 0.00	142.45 -5.37 0.51	134.08 -6.31 -1.47	92.36 -3.64 -19.00	136.82 -8.55 -6.32	186.31 -12.10 4.22	126.50 -9.14 -7.35	87.29 -7.15 -1.83	100.27 -9.38 -0.12	113.75 -9.77 0.00	126.48 -9.31 -0.48	139.17 -8.55 1.62	131.49 -9.16 23.61	83.08 -3.65 -13.51	98.72 -5.29 2.86	85.43 -3.72 -13.49	115.60 -7.39 11.21	135.89 -9.25 4.46	117.65 -7.68 -1.15
CARR STREET_E_SYR 24060	144.04 -3.17 0.00	137.84 -2.70 0.00	114.99 -2.25 0.00	136.13 -2.94 0.00	142.36 -2.60 0.00	142.79 -1.72 0.00	146.63 -1.70 0.00	138.22 -1.60 -0.90	84.67 -0.86 -8.52	139.52 -2.13 -2.61	199.08 -3.64 -0.08	128.71 -2.62 -3.03	91.45 -1.91 -0.75	107.55 -2.31 -0.33	120.81 -2.71 0.00	132.79 -2.72 -0.20	146.73 -2.61 0.00	161.40 -2.86 0.00	76.83 -1.12 -4.75	105.06 -1.81 0.00	79.66 -1.30 -5.31	131.75 -2.44 0.00	146.57 -3.03 0.00	122.25 -2.40 -0.47
CARTHAGE___PAPER 23857	148.54 1.33 0.00	140.80 0.27 0.00	117.07 -0.17 0.00	139.98 0.92 0.00	147.11 2.16 0.00	146.75 2.23 0.00	151.24 2.91 0.00	143.27 3.90 -0.45	83.27 2.02 -4.25	144.38 4.04 -1.30	209.09 6.41 -0.04	132.95 3.15 -1.51	94.28 1.29 -0.38	111.95 2.26 -0.16	126.20 2.68 0.00	138.15 2.74 -0.10	153.37 4.02 0.00	169.65 5.39 0.00	77.08 1.50 -2.37	108.32 1.45 0.00	78.77 0.46 -2.64	137.57 3.37 0.00	155.64 6.04 0.00	129.30 4.89 -0.24
CASSADAGA_WT_PWR 323784	133.32 -13.89 0.00	129.16 -11.37 0.00	108.82 -8.42 0.00	127.49 -11.57 0.00	134.92 -10.03 0.00	136.92 -7.60 0.00	140.27 -8.31 -0.24	130.41 -11.68 -3.17	87.37 -6.09 -16.46	132.56 -11.46 -4.98	186.31 -13.69 2.63	125.20 -8.89 -5.79	87.60 -6.45 -1.44	101.05 -8.68 -0.20	112.65 -10.86 0.00	125.23 -10.46 -0.38	138.87 -9.45 1.02	138.49 -10.55 15.21	77.92 -5.89 -10.61	95.68 -9.53 1.67	79.35 -6.92 -10.61	116.51 -11.61 6.07	134.36 -12.43 2.81	114.62 -10.46 -0.91
CE_DUNWOOD___DRP 24194	157.81 10.60 0.00	150.84 10.31 0.00	125.76 8.52 0.00	148.52 9.46 0.00	155.30 10.35 0.00	156.15 11.64 0.00	162.56 12.16 -2.07	171.15 12.17 -20.05	180.15 6.79 -96.36	179.29 11.60 -28.65	218.76 15.20 -0.93	172.09 10.48 -33.31	108.42 7.53 -8.27	121.61 8.46 -3.63	132.75 9.24 0.00	147.67 10.17 -2.19	160.04 10.69 0.00	178.80 11.13 -3.41	139.18 5.46 -60.51	123.18 8.06 -8.25	142.48 5.93 -60.89	168.48 10.47 -23.81	161.51 11.05 -0.86	140.18 9.85 -6.15
CE_MILLWOOD___DRP 24193	157.41 10.20 0.00	150.44 9.91 0.00	125.49 8.25 0.00	148.13 9.06 0.00	154.93 9.98 0.00	155.75 11.23 0.00	162.10 11.71 -2.06	170.66 11.76 -19.98	179.55 6.55 -95.99	178.71 11.12 -28.54	218.13 14.57 -0.93	171.48 10.01 -33.18	108.06 7.20 -8.24	121.26 8.12 -3.61	132.33 8.81 0.00	147.21 9.72 -2.18	159.63 10.28 0.00	178.32 10.66 -3.40	138.74 5.25 -60.28	122.83 7.74 -8.21	142.02 5.70 -60.65	264.78 10.07 -120.51	164.54 10.60 -4.33	143.28 9.50 -9.60
CE_NYC2_DRP 24202	159.56 12.34 -0.01	152.47 11.93 0.00	127.14 9.89 -0.01	150.07 11.00 -0.01	157.04 12.08 -0.01	157.99 13.47 -0.01	164.41 14.01 -2.08	173.43 13.96 -20.55	182.03 7.75 -97.28	189.77 13.29 -37.44	237.57 17.60 -17.33	181.06 12.19 -40.57	170.54 8.81 -69.12	148.06 9.83 -28.71	134.21 10.69 -0.01	149.21 11.70 -2.20	161.57 12.21 -0.01	180.10 12.42 -3.42	139.94 6.09 -60.64	124.12 8.99 -8.26	143.29 6.60 -61.02	167.61 11.88 -21.54	162.98 12.61 -0.77	141.36 11.11 -6.08
CE_NYC_DRP 24195	158.96 11.74 0.00	151.86 11.33 0.00	126.61 9.37 0.00	149.46 10.40 0.00	156.39 11.44 0.00	157.36 12.84 0.00	163.89 13.49 -2.07	172.44 13.42 -20.10	181.07 7.50 -96.57	180.63 12.88 -28.71	220.68 17.12 -0.93	173.54 11.87 -33.38	109.50 8.60 -8.29	122.72 9.56 -3.63	133.90 10.39 0.00	148.88 11.38 -2.20	161.25 11.90 0.00	179.88 12.20 -3.42	139.87 6.03 -60.64	124.04 8.91 -8.26	143.21 6.52 -61.02	167.40 11.62 -21.60	162.66 12.28 -0.78	141.03 10.77 -6.08
CHAFFEE___LFGE 323603	136.81 -10.41 0.00	132.24 -8.29 0.00	111.26 -5.98 0.00	130.74 -8.32 0.00	137.88 -7.07 0.00	139.34 -5.18 0.00	141.81 -6.75 -0.23	132.99 -9.03 -3.10	88.31 -4.97 -16.28	133.75 -10.22 -4.93	187.15 -12.95 2.54	124.79 -9.24 -5.74	87.40 -6.64 -1.43	101.16 -8.58 -0.21	113.44 -10.07 0.00	124.68 -11.00 -0.38	136.94 -11.41 0.99	137.18 -12.37 14.70	77.67 -6.05 -10.51	96.41 -8.88 1.58	80.07 -6.11 -10.52	117.41 -10.89 5.89	134.89 -11.99 2.72	115.84 -9.24 -0.90
CHATEAUG_35_KV_LOAD 355732	146.49 -0.72 0.00	138.86 -1.67 0.00	116.34 -0.90 0.00	138.91 -0.15 0.00	144.11 -0.85 0.00	142.14 -2.37 0.00	145.92 -2.41 0.00	136.40 -2.52 0.00	75.33 -1.67 0.00	137.07 -1.98 0.00	201.41 -1.23 0.00	127.14 -1.16 0.00	91.88 -0.73 0.00	108.82 -0.70 0.00	122.88 -0.64 0.00	134.47 -0.84 0.00	148.92 -0.43 0.00	164.04 -0.21 0.00	72.09 -1.12 0.00	104.53 -2.35 0.00	74.01 -1.65 0.00	131.59 -2.60 0.00	148.22 -1.38 0.00	123.07 -1.11 0.00
CHATEAUG_WT_PWR 323614	146.20 -1.01 0.00	138.55 -1.98 0.00	116.05 -1.19 0.00	138.43 -0.64 0.00	143.77 -1.18 0.00	141.97 -2.54 0.00	145.67 -2.65 0.00	136.20 -2.72 0.00	75.25 -1.75 0.00	136.83 -2.21 0.00	201.16 -1.47 0.00	127.05 -1.24 0.00	91.71 -0.91 0.00	108.61 -0.92 0.00	122.63 -0.88 0.00	134.29 -1.01 0.00	148.57 -0.77 0.00	163.54 -0.72 0.00	71.87 -1.34 0.00	104.23 -2.64 0.00	73.80 -1.87 0.00	131.24 -2.95 0.00	147.88 -1.73 0.00	122.87 -1.30 0.00
CHAT_HIGH_FALL_HYD 323578	146.49 -0.72 0.00	138.86 -1.67 0.00	116.34 -0.90 0.00	138.91 -0.15 0.00	144.11 -0.85 0.00	142.14 -2.37 0.00	145.92 -2.41 0.00	136.40 -2.52 0.00	75.33 -1.67 0.00	137.07 -1.98 0.00	201.41 -1.23 0.00	127.14 -1.16 0.00	91.88 -0.73 0.00	108.82 -0.70 0.00	122.88 -0.64 0.00	134.47 -0.84 0.00	148.92 -0.43 0.00	164.04 -0.21 0.00	72.09 -1.12 0.00	104.53 -2.35 0.00	74.01 -1.65 0.00	131.59 -2.60 0.00	148.22 -1.38 0.00	123.07 -1.11 0.00
CHAUTAUQUA___LFGE 323629	134.50 -12.71 0.00	130.02 -10.51 0.00	109.45 -7.78 0.00	128.42 -10.65 0.00	135.80 -9.15 0.00	137.54 -6.98 0.00	140.26 -8.26 -0.20	130.91 -10.97 -2.96	87.06 -5.86 -15.92	132.32 -11.56 -4.84	185.89 -14.26 2.49	124.37 -9.56 -5.63	87.09 -6.93 -1.40	100.53 -9.20 -0.21	112.35 -11.16 0.00	124.37 -11.31 -0.37	137.39 -10.99 0.97	137.80 -12.03 14.43	77.31 -6.22 -10.31	95.69 -9.63 1.55	79.16 -6.82 -10.32	116.45 -11.91 5.83	134.06 -12.87 2.67	114.58 -10.47 -0.88
CHERRYST_13_KV_LD 356241	159.41 12.19 0.00	152.30 11.77 0.00	127.00 9.77 0.00	149.89 10.82 0.00	156.85 11.90 0.00	157.88 13.36 0.00	164.45 14.05 -2.07	172.99 13.98 -20.10	181.37 7.80 -96.57	181.19 13.43 -28.71	221.52 17.96 -0.93	174.09 12.42 -33.38	109.90 9.00 -8.29	123.18 10.02 -3.63	134.44 10.92 0.00	149.50 12.00 -2.20	161.91 12.56 0.00	180.58 12.90 -3.42	140.17 6.32 -60.64	124.45 9.32 -8.26	143.46 6.78 -61.02	167.88 12.10 -21.60	163.16 12.78 -0.78	141.43 11.17 -6.08

CHESTROR_138KV_BK263 355645	155.78 8.56 0.00	148.86 8.33 0.00	124.21 6.98 0.00	146.66 7.60 0.00	153.32 8.37 0.00	154.03 9.52 0.00	160.13 9.88 -1.92	167.53 9.94 -18.67	172.31 5.54 -89.77	175.08 9.34 -26.69	215.61 12.11 -0.87	167.52 8.20 -31.03	106.24 5.91 -7.71	119.53 6.63 -3.38	130.73 7.22 0.00	145.35 8.00 -2.04	157.87 8.52 0.00	176.37 8.95 -3.17	134.01 4.44 -56.36	121.06 6.51 -7.67	137.20 4.82 -56.72	116.00 8.30 26.49	157.46 8.81 0.95	135.33 7.33 -3.83
CH_MIDHUDSON___DRP 24192	157.72 10.50 0.00	150.72 10.19 0.00	125.73 8.49 0.00	148.47 9.41 0.00	155.20 10.25 0.00	156.00 11.48 0.00	162.35 11.89 -2.13	171.36 11.87 -20.58	181.88 6.60 -98.27	179.62 11.37 -29.21	218.67 15.08 -0.95	172.32 10.07 -33.96	108.37 7.32 -8.44	121.63 8.41 -3.70	132.73 9.22 0.00	147.72 10.18 -2.24	160.05 10.71 0.00	179.10 11.26 -3.59	140.55 5.54 -61.79	123.57 8.16 -8.53	143.77 6.00 -62.11	144.65 10.45 0.00	160.61 11.00 0.00	139.27 9.75 -5.34
CH_MISC_IPPS 23765	158.67 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.51 0.00	163.46 13.03 -2.09	172.09 12.97 -20.20	180.81 7.23 -96.57	180.16 12.42 -28.70	220.04 16.48 -0.93	172.61 10.94 -33.37	108.82 7.91 -8.29	122.23 9.07 -3.63	133.43 9.92 0.00	148.51 11.00 -2.20	161.12 11.77 0.00	180.23 12.47 -3.51	140.01 6.09 -60.71	124.18 8.94 -8.37	143.21 6.52 -61.03	145.49 11.30 0.00	161.56 11.95 0.00	139.70 10.29 -5.24
CH_RES_BVR_FALLS 23983	145.56 -1.66 0.00	138.24 -2.29 0.00	115.56 -1.67 0.00	137.68 -1.38 0.00	143.34 -1.61 0.00	141.51 -3.01 0.00	144.62 -3.71 0.00	135.10 -3.83 0.00	74.87 -2.13 0.00	135.42 -3.63 0.00	198.52 -4.11 0.00	125.84 -2.46 0.00	90.78 -1.83 0.00	107.68 -1.85 0.00	121.51 -2.00 0.00	133.05 -2.25 0.00	146.96 -2.38 0.00	161.84 -2.41 0.00	71.61 -1.60 0.00	104.34 -2.53 0.00	73.81 -1.86 0.00	131.32 -2.88 0.00	147.51 -2.09 0.00	122.58 -1.60 0.00
CH_RES_NIAGARA 23895	130.70 -16.52 0.00	126.38 -14.15 0.00	106.45 -10.79 0.00	125.08 -13.99 0.00	132.02 -12.93 0.00	133.43 -11.09 0.00	135.10 -13.42 -0.19	125.61 -16.02 -2.71	82.81 -8.64 -14.45	126.63 -16.80 -4.39	177.90 -22.71 2.03	118.59 -14.80 -5.10	83.28 -10.60 -1.27	96.49 -13.26 -0.22	107.82 -15.69 0.00	118.11 -17.53 -0.34	129.52 -19.03 0.80	131.80 -20.62 11.83	72.46 -10.08 -9.33	91.14 -14.56 1.17	75.15 -9.85 -9.34	112.00 -17.40 4.79	128.44 -18.97 2.19	110.54 -14.43 -0.80
CH_RES_SYRACUSE 23985	145.33 -1.89 0.00	139.10 -1.43 0.00	116.00 -1.23 0.00	137.39 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.65 -2.08 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.63 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.15 -0.37 -5.31	106.14 -0.73 0.00	81.03 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
CLINTON_WT_PWR 323605	146.20 -1.01 0.00	138.55 -1.98 0.00	116.05 -1.19 0.00	138.43 -0.64 0.00	143.77 -1.18 0.00	141.97 -2.54 0.00	145.67 -2.65 0.00	136.20 -2.72 0.00	75.25 -1.75 0.00	136.83 -2.21 0.00	201.16 -1.47 0.00	127.05 -1.24 0.00	91.71 -0.91 0.00	108.61 -0.92 0.00	122.63 -0.88 0.00	134.29 -1.01 0.00	148.57 -0.77 0.00	163.54 -0.72 0.00	71.87 -1.34 0.00	104.23 -2.64 0.00	73.80 -1.87 0.00	131.24 -2.95 0.00	147.88 -1.73 0.00	122.87 -1.30 0.00
CLINTON___LFGE 323618	148.86 1.64 0.00	140.96 0.43 0.00	118.14 0.90 0.00	141.02 1.96 0.00	146.53 1.58 0.00	145.06 0.54 0.00	148.97 0.64 0.00	139.33 0.40 0.00	76.92 -0.08 0.00	139.79 0.75 0.00	205.15 2.52 0.00	129.39 1.10 0.00	93.37 0.76 0.00	110.59 1.06 0.00	124.79 1.28 0.00	136.94 1.63 0.00	151.71 2.36 0.00	167.07 2.82 0.00	73.44 0.23 0.00	106.33 -0.54 0.00	75.28 -0.39 0.00	133.67 -0.52 0.00	150.59 0.99 0.00	125.39 1.22 0.00
COBBLENY_34_KV_TB1 80064	136.78 -10.43 0.00	132.26 -8.28 0.00	111.14 -6.10 0.00	130.73 -8.33 0.00	137.87 -7.08 0.00	139.35 -5.17 0.00	141.83 -6.73 -0.23	133.00 -9.02 -3.10	88.32 -4.96 -16.28	133.69 -10.29 -4.94	186.77 -13.32 2.54	124.78 -9.25 -5.74	87.39 -6.65 -1.43	101.14 -8.60 -0.21	113.29 -10.23 0.00	124.66 -11.02 -0.38	136.92 -11.44 0.99	137.17 -12.39 14.70	77.55 -6.17 -10.51	96.26 -9.03 1.58	80.06 -6.12 -10.52	117.32 -10.98 5.89	134.92 -11.97 2.72	115.78 -9.29 -0.90
COFFEEN___115KV_TB3 355620	149.40 2.18 0.00	141.72 1.19 0.00	117.82 0.58 0.00	140.47 1.40 0.00	147.85 2.90 0.00	148.08 3.57 0.00	153.04 4.70 0.00	145.19 5.76 -0.51	84.95 3.08 -4.87	146.44 5.91 -1.49	211.37 8.68 -0.05	134.17 4.14 -1.73	94.98 1.94 -0.43	112.83 3.11 -0.19	127.34 3.82 0.00	139.65 4.23 -0.11	155.12 5.77 0.00	171.54 7.29 0.00	78.31 2.39 -2.71	109.63 2.76 0.00	80.06 1.37 -3.03	139.04 4.84 0.00	156.65 7.05 0.00	129.98 5.53 -0.27
COLDSPRG_115KV_BK1 355956	139.99 -7.23 0.00	135.47 -5.06 0.00	113.70 -3.54 0.00	133.70 -5.37 0.00	140.79 -4.16 0.00	142.19 -2.32 0.00	145.54 -3.11 -0.31	137.17 -5.24 -3.49	91.30 -3.01 -17.31	137.53 -6.71 -5.19	192.04 -7.75 2.85	128.48 -5.85 -6.04	90.03 -4.09 -1.50	104.27 -5.45 -0.20	116.80 -6.71 0.00	129.32 -6.39 -0.40	142.12 -6.12 1.11	140.66 -7.13 16.46	80.31 -3.98 -11.08	98.75 -6.27 1.85	82.26 -4.47 -11.08	120.31 -7.45 6.43	138.70 -7.86 3.04	118.37 -6.75 -0.94
COLONIE_LFGE___ 323577	154.95 7.74 0.00	147.94 7.41 0.00	123.31 6.07 0.00	145.85 6.79 0.00	152.45 7.51 0.00	152.86 8.34 0.00	164.54 8.64 -7.57	196.84 8.38 -49.54	207.46 4.52 -125.94	182.48 7.89 -35.54	214.76 10.97 -1.15	176.91 7.29 -41.32	108.02 5.14 -10.26	120.11 6.08 -4.50	130.19 6.68 0.00	145.40 7.37 -2.72	156.94 7.59 0.00	196.35 8.70 -23.39	172.58 4.14 -95.23	146.65 6.06 -33.72	161.88 4.43 -81.79	141.38 7.19 0.00	157.29 7.69 0.00	137.83 7.15 -6.50
COOPERNY_115KV_TB1 80082	153.54 6.32 0.00	146.72 6.19 0.00	122.47 5.23 0.00	144.67 5.61 0.00	151.18 6.23 0.00	151.72 7.21 0.00	157.38 7.47 -1.58	161.64 7.45 -15.26	154.27 4.15 -73.12	167.69 6.91 -21.74	212.18 8.84 -0.70	159.49 5.92 -25.27	103.17 4.27 -6.28	117.10 4.82 -2.75	128.71 5.20 0.00	142.76 5.79 -1.66	155.53 6.18 0.00	173.31 6.44 -2.61	122.40 3.24 -45.95	117.89 4.72 -6.30	125.40 3.53 -46.21	127.75 6.11 12.55	155.54 6.39 0.45	132.95 5.30 -3.47
COPENHAGEN_WT_PWR 323753	146.22 -1.00 0.00	138.51 -2.02 0.00	115.11 -2.13 0.00	137.36 -1.71 0.00	144.76 -0.19 0.00	144.76 0.24 0.00	149.48 1.15 0.00	141.96 2.51 -0.53	83.33 1.30 -5.03	143.47 2.89 -1.54	207.14 4.45 -0.05	131.95 1.86 -1.79	93.35 0.28 -0.44	110.97 1.24 -0.19	125.06 1.55 0.00	136.80 1.37 -0.12	151.68 2.34 0.00	167.82 3.57 0.00	76.59 0.58 -2.80	106.95 0.07 0.00	78.24 -0.55 -3.13	136.38 2.19 0.00	154.26 4.66 0.00	128.29 3.84 -0.28
CORNELL_____ 23752	149.32 2.10 0.00	143.01 2.48 0.00	119.28 2.05 0.00	141.05 1.98 0.00	147.59 2.64 0.00	148.48 3.96 0.00	153.33 4.41 -0.59	148.18 4.26 -5.00	100.99 2.25 -21.74	148.13 2.69 -6.40	216.84 2.31 -11.89	136.35 0.62 -7.44	94.90 0.44 -1.85	112.32 0.20 -2.59	123.69 0.17 0.00	136.88 1.09 -0.49	156.48 2.85 -4.28	233.51 3.57 -65.69	88.86 1.87 -13.78	124.37 2.52 -14.98	91.07 1.73 -13.68	161.36 2.82 -24.34	163.83 2.47 -11.77	127.34 2.00 -1.17

CORONAAV_69_KV_TB1 355595	178.53 13.08 -18.24	173.57 12.95 -20.09	176.04 10.99 -47.81	177.12 12.23 -25.83	174.13 13.11 -16.07	178.77 14.38 -19.87	187.07 15.24 -23.51	270.42 15.12 -116.37	254.19 8.41 -168.78	196.64 14.27 -43.33	240.68 18.12 -19.92	213.58 12.94 -72.34	186.68 9.46 -84.60	183.82 10.74 -63.55	182.39 11.76 -47.12	154.41 12.79 -6.31	202.26 13.73 -39.19	270.70 14.41 -92.04	308.65 7.03 -228.41	166.14 10.26 -49.02	161.60 7.47 -78.46	177.73 13.12 -30.42	164.41 14.02 -0.78	149.67 12.22 -13.27
CORTLAND_115KV_TB3 80093	148.08 0.86 0.00	141.75 1.22 0.00	118.23 0.99 0.00	139.93 0.87 0.00	146.37 1.42 0.00	147.03 2.51 0.00	151.55 2.81 -0.40	145.48 2.80 -3.76	95.88 1.45 -17.43	145.91 1.70 -5.17	207.21 1.27 -3.31	134.55 0.24 -6.01	94.26 0.15 -1.49	110.74 0.07 -1.14	123.53 0.02 0.00	136.18 0.48 -0.40	151.98 1.48 -1.15	183.54 1.64 -17.65	85.24 1.00 -11.04	113.06 1.27 -4.92	87.53 0.84 -11.03	142.25 1.55 -6.51	154.05 1.28 -3.16	126.19 1.08 -0.94
COXSACKIE___GT 23611	160.60 13.38 0.00	153.40 12.87 0.00	127.99 10.75 0.00	151.34 12.27 0.00	158.33 13.38 0.00	159.05 14.53 0.00	167.96 15.47 -4.15	185.71 14.80 -31.99	200.00 8.25 -114.76	186.87 14.37 -33.46	222.98 19.26 -1.09	179.58 12.40 -38.89	111.05 8.77 -9.66	124.00 10.23 -4.23	134.64 11.13 0.00	150.64 12.78 -2.56	164.22 14.87 0.00	192.31 17.36 -10.70	158.78 7.87 -77.69	135.91 11.21 -17.84	156.54 7.60 -73.28	147.15 12.95 0.00	163.08 13.48 0.00	141.80 11.50 -6.12
CPV_VALLEY___CC1 323721	154.45 7.24 0.00	147.51 6.98 0.00	123.14 5.90 0.00	145.35 6.29 0.00	151.90 6.95 0.00	152.57 8.06 0.00	158.46 8.34 -1.79	164.79 8.45 -17.42	165.52 4.72 -83.80	171.84 7.88 -24.92	213.38 9.93 -0.81	164.09 6.83 -28.97	104.75 4.94 -7.20	118.19 5.51 -3.15	129.47 5.95 0.00	143.84 6.63 -1.91	156.32 6.98 0.00	174.47 7.27 -2.94	129.48 3.67 -52.61	119.37 5.35 -7.15	132.60 3.99 -52.95	123.50 6.85 17.54	156.22 7.25 0.63	134.08 6.04 -3.86
CPV_VALLEY___CC2 323722	154.45 7.24 0.00	147.51 6.98 0.00	123.14 5.90 0.00	145.35 6.29 0.00	151.90 6.95 0.00	152.57 8.06 0.00	158.46 8.34 -1.79	164.79 8.45 -17.42	165.52 4.72 -83.80	171.84 7.88 -24.92	213.38 9.93 -0.81	164.09 6.83 -28.97	104.75 4.94 -7.20	118.19 5.51 -3.15	129.47 5.95 0.00	143.84 6.63 -1.91	156.32 6.98 0.00	174.47 7.27 -2.94	129.48 3.67 -52.61	119.37 5.35 -7.15	132.60 3.99 -52.95	123.50 6.85 17.54	156.22 7.25 0.63	134.08 6.04 -3.86
CRESCENT___HYD 24018	154.95 7.74 0.00	147.94 7.41 0.00	123.31 6.07 0.00	145.85 6.79 0.00	152.45 7.51 0.00	152.86 8.34 0.00	164.54 8.64 -7.57	196.84 8.38 -49.54	207.46 4.52 -125.94	182.48 7.89 -35.54	214.76 10.97 -1.15	176.91 7.29 -41.32	108.02 5.14 -10.26	120.11 6.08 -4.50	130.19 6.68 0.00	145.40 7.37 -2.72	156.94 7.59 0.00	196.35 8.70 -23.39	172.58 4.14 -95.23	146.65 6.06 -33.72	161.88 4.43 -81.79	141.38 7.19 0.00	157.29 7.69 0.00	137.83 7.15 -6.50
CRICKET___VALLEY_CC1 323756	156.31 9.10 0.00	149.26 8.73 0.00	124.44 7.20 0.00	146.93 7.87 0.00	153.48 8.53 0.00	154.30 9.78 0.00	160.54 9.92 -2.29	170.77 10.18 -21.67	184.25 5.62 -101.63	178.91 9.69 -30.17	216.39 12.77 -0.98	171.98 8.61 -35.08	107.57 6.24 -8.71	120.67 7.33 -3.82	131.56 8.05 0.00	146.63 9.02 -2.31	158.46 9.12 0.00	177.74 9.48 -4.01	142.12 4.74 -64.18	123.08 7.00 -9.21	145.20 5.28 -64.27	152.43 8.92 -9.32	159.41 9.47 -0.33	138.82 8.77 -5.87
CRICKET___VALLEY_CC2 323757	156.31 9.10 0.00	149.26 8.73 0.00	124.44 7.20 0.00	146.93 7.87 0.00	153.48 8.53 0.00	154.30 9.78 0.00	160.54 9.92 -2.29	170.77 10.18 -21.67	184.25 5.62 -101.63	178.91 9.69 -30.17	216.39 12.77 -0.98	171.98 8.61 -35.08	107.57 6.24 -8.71	120.67 7.33 -3.82	131.56 8.05 0.00	146.63 9.02 -2.31	158.46 9.12 0.00	177.74 9.48 -4.01	142.12 4.74 -64.18	123.08 7.00 -9.21	145.20 5.28 -64.27	152.43 8.92 -9.32	159.41 9.47 -0.33	138.82 8.77 -5.87
CRICKET___VALLEY_CC3 323758	156.31 9.10 0.00	149.26 8.73 0.00	124.44 7.20 0.00	146.93 7.87 0.00	153.48 8.53 0.00	154.30 9.78 0.00	160.54 9.92 -2.29	170.77 10.18 -21.67	184.25 5.62 -101.63	178.91 9.69 -30.17	216.39 12.77 -0.98	171.98 8.61 -35.08	107.57 6.24 -8.71	120.67 7.33 -3.82	131.56 8.05 0.00	146.63 9.02 -2.31	158.46 9.12 0.00	177.74 9.48 -4.01	142.12 4.74 -64.18	123.08 7.00 -9.21	145.20 5.28 -64.27	152.43 8.92 -9.32	159.41 9.47 -0.33	138.82 8.77 -5.87
CRUCIBLE_METL_DRP 24180	145.33 -1.89 0.00	139.10 -1.43 0.00	115.99 -1.25 0.00	137.38 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.61 -2.12 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.64 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.14 -0.38 -5.31	106.10 -0.77 0.00	81.02 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
DAHOWA___HYDRO 323763	158.46 11.24 0.00	151.20 10.67 0.00	125.98 8.74 0.00	148.98 9.92 0.00	155.80 10.85 0.00	156.76 12.24 0.00	169.83 12.84 -8.65	206.62 12.65 -55.04	212.84 6.72 -129.11	186.65 11.51 -36.10	219.41 15.61 -1.17	179.90 9.65 -41.96	109.57 6.53 -10.42	121.77 7.68 -4.57	132.10 8.58 0.00	148.25 10.18 -2.76	161.02 11.68 0.00	205.16 13.48 -27.42	180.03 6.26 -100.55	154.70 9.09 -38.74	166.44 6.53 -84.25	144.95 10.76 0.00	160.98 11.37 0.00	140.85 10.07 -6.60
DANC___LFGE 323619	145.17 -2.05 0.00	138.04 -2.49 0.00	114.86 -2.38 0.00	136.54 -2.53 0.00	143.48 -1.48 0.00	143.65 -0.86 0.00	148.04 -0.29 0.00	140.17 0.62 -0.63	83.24 0.30 -5.93	141.56 0.71 -1.81	203.66 0.97 -0.06	130.23 -0.17 -2.11	92.30 -0.84 -0.52	109.32 -0.44 -0.23	123.04 -0.47 0.00	134.84 -0.60 -0.14	149.37 0.02 0.00	164.90 0.65 0.00	76.24 -0.27 -3.30	105.94 -0.93 0.00	78.30 -1.06 -3.69	134.14 -0.05 0.00	150.83 1.22 0.00	125.51 1.01 -0.33
DANSKAMMER___1 23586	158.67 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.51 0.00	163.46 13.03 -2.09	172.09 12.97 -20.20	180.81 7.23 -96.57	180.16 12.42 -28.70	220.04 16.48 -0.93	172.61 10.94 -33.37	108.82 7.91 -8.29	122.23 9.07 -3.63	133.43 9.92 0.00	148.51 11.00 -2.20	161.12 11.77 0.00	180.23 12.47 -3.51	140.01 6.09 -60.71	124.18 8.94 -8.37	143.21 6.52 -61.03	145.49 11.30 0.00	161.56 11.95 0.00	139.70 10.29 -5.24
DANSKAMMER___2 23589	158.67 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.51 0.00	163.46 13.03 -2.09	172.09 12.97 -20.20	180.81 7.23 -96.57	180.16 12.42 -28.70	220.04 16.48 -0.93	172.61 10.94 -33.37	108.82 7.91 -8.29	122.23 9.07 -3.63	133.43 9.92 0.00	148.51 11.00 -2.20	161.12 11.77 0.00	180.23 12.47 -3.51	140.01 6.09 -60.71	124.18 8.94 -8.37	143.21 6.52 -61.03	145.49 11.30 0.00	161.56 11.95 0.00	139.70 10.29 -5.24
DANSKAMMER___3 23590	158.67 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.51 0.00	163.46 13.03 -2.09	172.09 12.97 -20.20	180.81 7.23 -96.57	180.16 12.42 -28.70	220.04 16.48 -0.93	172.61 10.94 -33.37	108.82 7.91 -8.29	122.23 9.07 -3.63	133.43 9.92 0.00	148.51 11.00 -2.20	161.12 11.77 0.00	180.23 12.47 -3.51	140.01 6.09 -60.71	124.18 8.94 -8.37	143.21 6.52 -61.03	145.49 11.30 0.00	161.56 11.95 0.00	139.70 10.29 -5.24

DANSKAMMER___4 23591	158.67 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.51 0.00	163.46 13.03 -2.09	172.09 12.97 -20.20	180.81 7.23 -96.57	180.16 12.42 -28.70	220.04 16.48 -0.93	172.61 10.94 -33.37	108.82 7.91 -8.29	122.23 9.07 -3.63	133.43 9.92 0.00	148.51 11.00 -2.20	161.12 11.77 0.00	180.23 12.47 -3.51	140.01 6.09 -60.71	124.18 8.94 -8.37	143.21 6.52 -61.03	145.49 11.30 0.00	161.56 11.95 0.00	139.70 10.29 -5.24
DANSKAMMER___DIESEL 23592	158.66 11.45 0.00	151.68 11.15 0.00	126.49 9.25 0.00	149.38 10.31 0.00	156.20 11.25 0.00	157.03 12.52 0.00	163.46 13.04 -2.09	172.09 12.97 -20.20	180.81 7.24 -96.57	180.16 12.42 -28.70	220.09 16.52 -0.93	172.61 10.94 -33.37	108.82 7.92 -8.29	122.24 9.08 -3.63	133.46 9.95 0.00	148.51 11.00 -2.20	161.11 11.77 0.00	180.23 12.47 -3.51	140.02 6.10 -60.71	124.21 8.96 -8.37	143.23 6.53 -61.03	145.55 11.36 0.00	161.56 11.96 0.00	139.70 10.29 -5.24
DARBY___SOLAR 323810	157.45 10.23 0.00	150.26 9.73 0.00	125.21 7.97 0.00	148.09 9.03 0.00	154.80 9.84 0.00	155.64 11.12 0.00	168.53 11.69 -8.52	204.76 11.48 -54.36	211.78 6.09 -128.69	185.53 10.47 -36.02	217.96 14.15 -1.17	178.99 8.83 -41.87	109.00 5.98 -10.40	121.13 7.05 -4.56	131.39 7.88 0.00	147.33 9.27 -2.76	159.90 10.55 0.00	203.41 12.22 -26.93	178.78 5.70 -99.87	153.27 8.28 -38.12	165.53 5.94 -83.92	143.99 9.79 0.00	160.04 10.44 0.00	140.02 9.26 -6.59
DASHVILLE___HYD 23610	156.78 9.56 0.00	149.87 9.34 0.00	125.03 7.80 0.00	147.71 8.64 0.00	154.36 9.41 0.00	155.16 10.64 0.00	161.89 11.06 -2.50	172.35 10.92 -22.52	182.84 6.06 -99.78	179.02 10.46 -29.52	217.63 14.03 -0.96	171.83 9.22 -34.32	107.86 6.72 -8.53	121.04 7.78 -3.74	132.11 8.60 0.00	146.99 9.43 -2.26	159.33 9.98 0.00	179.58 10.35 -4.97	142.16 5.08 -63.87	124.68 7.54 -10.27	144.36 5.48 -63.21	144.00 9.80 0.00	159.95 10.35 0.00	138.42 8.86 -5.38
DEERFIELD_69_KV_DEERFIELD LD 355887	165.64 17.23 -1.20	159.34 17.49 -1.32	154.67 15.24 -22.19	161.04 18.16 -3.82	165.17 19.12 -1.11	166.38 20.57 -1.30	175.24 22.11 -4.80	273.16 21.33 -112.91	256.81 11.02 -168.78	188.08 19.38 -29.66	226.36 21.55 -2.18	206.02 17.14 -60.59	158.69 12.70 -53.37	154.02 13.58 -30.92	159.94 15.00 -21.43	158.64 17.02 -6.31	208.11 19.58 -39.19	193.89 20.69 -8.94	168.03 9.90 -84.92	170.12 14.23 -49.02	164.02 9.90 -78.46	182.25 17.64 -30.42	170.34 19.96 -0.78	154.41 16.96 -13.27
DELAWARE___LFGE 323621	152.87 5.66 0.00	146.16 5.63 0.00	122.04 4.80 0.00	144.30 5.24 0.00	150.78 5.83 0.00	151.34 6.82 0.00	157.27 7.15 -1.79	158.85 6.82 -13.11	123.65 3.75 -42.90	157.88 6.43 -12.41	211.50 8.47 -0.40	147.93 5.20 -14.43	99.93 3.73 -3.59	115.48 4.38 -1.57	128.37 4.86 0.00	141.69 5.43 -0.95	155.51 6.16 0.00	174.90 6.38 -4.27	106.13 3.09 -29.83	118.98 4.54 -7.57	106.48 3.32 -27.50	140.11 5.92 0.00	155.72 6.12 0.00	131.57 5.13 -2.26
DERFIELD_115KV_TB7 355931	148.22 1.00 0.00	141.51 0.98 0.00	118.06 0.82 0.00	139.92 0.86 0.00	146.02 1.07 0.00	145.95 1.43 0.00	149.93 1.59 0.00	140.47 1.55 0.00	77.86 0.86 0.00	140.44 1.40 0.00	204.46 1.82 0.00	129.45 1.16 0.00	93.45 0.83 0.00	110.51 0.99 0.00	124.57 1.06 0.00	136.39 1.09 0.00	150.45 1.11 0.00	165.51 1.26 0.00	73.88 0.67 0.00	107.83 0.96 0.00	76.35 0.69 0.00	135.42 1.23 0.00	150.96 1.36 0.00	125.48 1.30 0.00
DOGLEVILLE___HYD 23807	154.76 7.55 0.00	147.99 7.46 0.00	123.42 6.18 0.00	145.49 6.42 0.00	151.93 6.98 0.00	153.17 8.65 0.00	157.81 9.48 0.00	148.46 9.54 0.00	81.98 4.98 0.00	147.29 8.24 0.00	212.47 9.84 0.00	133.51 5.22 0.00	96.09 3.48 0.00	113.62 4.09 0.00	127.83 4.32 0.00	141.04 5.73 0.00	156.54 7.19 0.00	172.93 8.68 0.00	77.65 4.44 0.00	113.31 6.44 0.00	80.34 4.68 0.00	141.79 7.60 0.00	156.90 7.30 0.00	130.36 6.19 0.00
DUNKIRK___115KV_TB_200 55889	134.64 -12.57 0.00	130.14 -10.39 0.00	109.46 -7.78 0.00	128.56 -10.50 0.00	135.96 -8.99 0.00	137.63 -6.88 0.00	140.34 -8.18 -0.19	131.00 -10.86 -2.94	87.08 -5.78 -15.87	132.32 -11.55 -4.83	185.53 -14.63 2.48	124.27 -9.64 -5.61	87.01 -7.00 -1.39	100.47 -9.26 -0.21	112.21 -11.30 0.00	124.18 -11.50 -0.37	137.13 -11.26 0.96	137.63 -12.28 14.35	77.11 -6.38 -10.28	95.52 -9.81 1.54	79.14 -6.81 -10.29	116.35 -12.03 5.81	134.06 -12.89 2.65	114.56 -10.49 -0.88
DUNKIRK___1 23563	134.64 -12.57 0.00	130.14 -10.39 0.00	109.46 -7.78 0.00	128.56 -10.50 0.00	135.96 -8.99 0.00	137.63 -6.88 0.00	140.34 -8.18 -0.19	131.00 -10.86 -2.94	87.08 -5.78 -15.87	132.32 -11.55 -4.83	185.53 -14.63 2.48	124.27 -9.64 -5.61	87.01 -7.00 -1.39	100.47 -9.26 -0.21	112.21 -11.30 0.00	124.18 -11.50 -0.37	137.13 -11.26 0.96	137.63 -12.28 14.35	77.11 -6.38 -10.28	95.52 -9.81 1.54	79.14 -6.81 -10.29	116.35 -12.03 5.81	134.06 -12.89 2.65	114.56 -10.49 -0.88
DUNKIRK___2 23564	134.64 -12.57 0.00	130.14 -10.39 0.00	109.46 -7.78 0.00	128.56 -10.50 0.00	135.96 -8.99 0.00	137.63 -6.88 0.00	140.34 -8.18 -0.19	131.00 -10.86 -2.94	87.08 -5.78 -15.87	132.32 -11.55 -4.83	185.53 -14.63 2.48	124.27 -9.64 -5.61	87.01 -7.00 -1.39	100.47 -9.26 -0.21	112.21 -11.30 0.00	124.18 -11.50 -0.37	137.13 -11.26 0.96	137.63 -12.28 14.35	77.11 -6.38 -10.28	95.52 -9.81 1.54	79.14 -6.81 -10.29	116.35 -12.03 5.81	134.06 -12.89 2.65	114.56 -10.49 -0.88
DUNKIRK___3 23565	134.83 -12.38 0.00	130.32 -10.21 0.00	109.61 -7.63 0.00	128.81 -10.26 0.00	136.10 -8.85 0.00	137.72 -6.80 0.00	140.17 -8.33 -0.17	130.87 -10.89 -2.84	86.75 -5.88 -15.62	132.02 -11.79 -4.77	185.13 -15.09 2.42	123.79 -10.05 -5.54	86.73 -7.26 -1.38	100.24 -9.49 -0.21	112.06 -11.45 0.00	123.79 -11.89 -0.36	136.43 -11.97 0.94	137.16 -13.06 14.03	76.73 -6.63 -10.16	95.34 -10.03 1.50	78.91 -6.91 -10.16	116.20 -12.26 5.73	133.82 -13.19 2.60	114.46 -10.59 -0.87
DUNKIRK___4 23566	134.83 -12.38 0.00	130.32 -10.21 0.00	109.61 -7.63 0.00	128.81 -10.26 0.00	136.10 -8.85 0.00	137.72 -6.80 0.00	140.17 -8.33 -0.17	130.87 -10.89 -2.84	86.75 -5.88 -15.62	132.02 -11.79 -4.77	185.13 -15.09 2.42	123.79 -10.05 -5.54	86.73 -7.26 -1.38	100.24 -9.49 -0.21	112.06 -11.45 0.00	123.79 -11.89 -0.36	136.43 -11.97 0.94	137.16 -13.06 14.03	76.73 -6.63 -10.16	95.34 -10.03 1.50	78.91 -6.91 -10.16	116.20 -12.26 5.73	133.82 -13.19 2.60	114.46 -10.59 -0.87
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	158.26 11.04 0.00	151.28 10.75 0.00	126.12 8.88 0.00	148.92 9.86 0.00	155.74 10.79 0.00	156.61 12.10 0.00	163.08 12.68 -2.07	171.69 12.67 -20.10	180.62 7.05 -96.57	179.83 12.07 -28.71	221.45 15.91 -2.90	172.58 10.91 -33.38	108.79 7.88 -8.29	122.06 8.90 -3.63	133.18 9.66 0.00	148.13 10.63 -2.20	160.49 11.15 0.00	179.28 11.61 -3.42	139.55 5.70 -60.64	123.53 8.40 -8.26	142.84 6.16 -61.02	166.68 10.91 -21.58	161.89 11.51 -0.78	140.46 10.20 -6.08
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	157.17 9.95 0.00	150.19 9.66 0.00	125.29 8.05 0.00	147.95 8.89 0.00	154.64 9.69 0.00	155.46 10.94 0.00	161.78 11.42 -2.03	169.94 11.44 -19.58	176.97 6.37 -93.60	177.68 10.82 -27.82	217.69 14.15 -0.90	170.16 9.52 -32.34	107.49 6.84 -8.03	120.83 7.78 -3.52	131.99 8.47 0.00	146.83 9.39 -2.13	159.40 10.05 0.00	178.26 10.61 -3.40	137.29 5.23 -58.85	122.66 7.67 -8.11	140.45 5.63 -59.15	134.57 9.71 9.34	159.57 10.30 0.34	137.53 8.64 -4.71

E179THST_138_KV_TB4_REV_LBMP_J 345001	158.89 11.67 -0.01	151.90 11.36 0.00	126.69 9.45 -0.01	149.56 10.49 -0.01	156.47 11.51 -0.01	157.33 12.80 -0.01	163.51 13.10 -2.08	172.21 13.19 -20.10	180.96 7.38 -96.58	180.30 12.54 -28.72	223.27 16.37 -4.26	173.11 11.44 -33.38	109.13 8.22 -8.29	122.28 9.12 -3.64	133.49 9.97 -0.01	148.63 11.12 -2.20	160.86 11.51 -0.01	179.47 11.79 -3.42	139.71 5.86 -60.64	123.84 8.70 -8.26	143.10 6.41 -61.02	167.11 11.37 -21.54	162.37 11.99 -0.77	140.88 10.62 -6.08
E179THST_13_KV_LOAD 356214	159.65 12.43 -0.01	152.61 12.08 0.00	127.28 10.03 -0.01	150.21 11.14 -0.01	157.16 12.20 -0.01	158.05 13.53 -0.01	164.33 13.93 -2.08	173.01 13.99 -20.10	181.39 7.81 -96.58	181.12 13.35 -28.72	224.49 17.59 -4.26	173.87 12.20 -33.38	109.67 8.76 -8.29	122.92 9.76 -3.64	134.23 10.71 -0.01	149.44 11.93 -2.20	161.79 12.44 -0.01	180.48 12.80 -3.42	140.18 6.33 -60.64	124.52 9.38 -8.26	143.55 6.87 -61.02	167.89 12.15 -21.54	163.19 12.82 -0.77	141.56 11.31 -6.08
EAST HAMPTON___GT 23717	167.92 19.51 -1.20	161.52 19.67 -1.32	156.43 17.00 -22.20	163.22 20.33 -3.82	167.48 21.42 -1.11	168.84 23.02 -1.30	177.80 24.68 -4.80	275.42 23.58 -112.91	257.48 11.69 -168.78	189.81 21.11 -29.66	229.00 24.19 -2.18	207.81 18.93 -60.59	159.99 14.00 -53.37	155.49 15.05 -30.92	161.61 16.67 -21.43	160.58 18.96 -6.31	210.32 21.79 -39.19	196.47 23.26 -8.94	169.07 10.94 -84.92	171.29 15.41 -49.02	164.46 10.33 -78.46	183.08 18.47 -30.42	172.15 21.77 -0.78	155.83 18.38 -13.27
EAST RIVER___6 23660	158.91 11.69 0.00	151.81 11.28 0.00	126.55 9.31 0.00	149.41 10.35 0.00	156.37 11.42 0.00	157.36 12.84 0.00	163.97 13.57 -2.07	172.56 13.54 -20.10	181.15 7.58 -96.57	180.77 13.02 -28.71	220.90 17.33 -0.93	173.73 12.06 -33.38	109.65 8.74 -8.29	122.88 9.72 -3.63	134.10 10.59 0.00	149.13 11.63 -2.20	161.50 12.16 0.00	180.12 12.45 -3.42	139.96 6.12 -60.64	124.14 9.00 -8.26	143.26 6.57 -61.02	167.45 11.66 -21.60	162.77 12.40 -0.78	141.08 10.82 -6.08
EAST RIVER___7 23524	158.91 11.69 0.00	151.81 11.28 0.00	126.55 9.31 0.00	149.41 10.35 0.00	156.37 11.42 0.00	157.36 12.84 0.00	163.97 13.57 -2.07	172.56 13.54 -20.10	181.15 7.58 -96.57	180.77 13.02 -28.71	220.90 17.33 -0.93	173.73 12.06 -33.38	109.65 8.74 -8.29	122.88 9.72 -3.63	134.10 10.59 0.00	149.13 11.63 -2.20	161.50 12.16 0.00	180.12 12.45 -3.42	139.96 6.12 -60.64	124.14 9.00 -8.26	143.26 6.57 -61.02	167.45 11.66 -21.60	162.77 12.40 -0.78	141.08 10.82 -6.08
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	157.81 10.60 0.00	150.84 10.31 0.00	125.76 8.52 0.00	148.52 9.46 0.00	155.30 10.35 0.00	156.15 11.64 0.00	162.56 12.16 -2.07	171.15 12.17 -20.05	180.15 6.79 -96.36	179.29 11.60 -28.65	218.76 15.20 -0.93	172.09 10.48 -33.31	108.42 7.53 -8.27	121.61 8.46 -3.63	132.75 9.24 0.00	147.67 10.17 -2.19	160.04 10.69 0.00	178.80 11.13 -3.41	139.18 5.46 -60.51	123.18 8.06 -8.25	142.48 5.93 -60.89	168.48 10.47 -23.81	161.51 11.05 -0.86	140.18 9.85 -6.15
EAST_HAMPTON___DIESEL 23722	167.92 19.51 -1.20	161.52 19.67 -1.32	156.43 17.00 -22.19	163.22 20.33 -3.82	167.48 21.42 -1.11	168.84 23.02 -1.30	177.80 24.68 -4.80	275.40 23.57 -112.91	257.49 11.71 -168.78	189.84 21.13 -29.66	229.03 24.21 -2.18	207.81 18.93 -60.59	159.99 14.00 -53.37	155.49 15.05 -30.92	161.60 16.66 -21.43	160.58 18.96 -6.31	210.31 21.78 -39.19	196.44 23.24 -8.94	169.05 10.93 -84.92	171.27 15.38 -49.02	164.45 10.33 -78.46	183.02 18.41 -30.42	172.09 21.70 -0.78	155.77 18.33 -13.27
EAST_POINT___SOLAR 323840	158.33 11.12 0.00	151.02 10.49 0.00	126.18 8.94 0.00	149.80 10.73 0.00	156.51 11.56 0.00	157.03 12.51 0.00	170.62 13.68 -8.60	208.14 13.21 -56.00	224.00 6.69 -140.32	188.99 10.40 -39.54	215.11 11.19 -1.28	177.92 3.66 -45.96	107.01 2.98 -11.42	119.16 4.64 -5.00	129.05 5.54 0.00	145.91 7.58 -3.03	160.77 11.42 0.00	206.33 14.49 -27.58	186.28 6.44 -106.64	154.85 9.36 -38.63	173.32 6.46 -91.20	145.55 11.36 0.00	161.99 12.39 0.00	141.15 9.75 -7.22
EAST_PULASKI___ESR 323781	144.36 -2.85 0.00	137.71 -2.82 0.00	114.73 -2.50 0.00	135.90 -3.16 0.00	142.40 -2.55 0.00	142.72 -1.79 0.00	146.72 -1.60 0.00	138.52 -1.12 -0.72	83.23 -0.56 -6.79	139.85 -1.27 -2.08	200.50 -2.21 -0.07	128.59 -2.11 -2.41	91.31 -1.91 -0.60	107.70 -2.09 -0.26	121.08 -2.43 0.00	132.88 -2.59 -0.16	146.95 -2.39 0.00	161.95 -2.31 0.00	75.86 -1.14 -3.78	104.87 -2.00 0.00	78.32 -1.57 -4.23	131.91 -2.29 0.00	147.40 -2.20 0.00	122.75 -1.80 -0.38
EAST_RIVER___1 323558	158.95 11.74 0.00	151.86 11.33 0.00	126.59 9.35 0.00	149.46 10.39 0.00	156.40 11.45 0.00	157.36 12.84 0.00	163.89 13.49 -2.07	172.44 13.42 -20.10	181.07 7.50 -96.57	180.63 12.88 -28.71	220.55 16.99 -0.93	173.56 11.89 -33.38	109.51 8.60 -8.29	122.72 9.56 -3.63	133.89 10.38 0.00	148.87 11.37 -2.20	161.25 11.90 0.00	179.86 12.19 -3.42	139.87 6.02 -60.64	124.02 8.89 -8.26	143.18 6.50 -61.02	167.37 11.58 -21.60	162.66 12.29 -0.78	141.03 10.78 -6.08
EAST_RIVER___2 323559	158.91 11.69 0.00	151.81 11.28 0.00	126.55 9.31 0.00	149.41 10.35 0.00	156.37 11.42 0.00	157.36 12.84 0.00	163.97 13.57 -2.07	172.56 13.54 -20.10	181.15 7.58 -96.57	180.77 13.02 -28.71	220.90 17.33 -0.93	173.73 12.06 -33.38	109.65 8.74 -8.29	122.88 9.72 -3.63	134.10 10.59 0.00	149.13 11.63 -2.20	161.50 12.16 0.00	180.12 12.45 -3.42	139.96 6.12 -60.64	124.14 9.00 -8.26	143.26 6.57 -61.02	167.45 11.66 -21.60	162.77 12.40 -0.78	141.08 10.82 -6.08
EAST___DELAWARE_HYD 23607	154.66 7.44 0.00	147.82 7.29 0.00	123.33 6.09 0.00	145.67 6.61 0.00	152.28 7.33 0.00	153.15 8.63 0.00	159.56 9.23 -2.00	167.20 9.41 -18.86	170.60 5.30 -88.30	174.11 8.85 -26.21	214.78 11.30 -0.85	166.18 7.41 -30.47	105.45 5.26 -7.57	118.77 5.93 -3.32	129.95 6.43 0.00	144.48 7.17 -2.01	157.06 7.71 0.00	175.98 8.19 -3.53	133.14 4.15 -55.79	121.01 6.10 -8.04	136.03 4.52 -55.84	134.53 7.66 7.32	157.26 7.92 0.26	135.19 6.52 -4.50
EIGHT_POINT___WT_PWR 323820	136.65 -10.57 0.00	131.18 -9.35 0.00	109.89 -7.35 0.00	130.04 -9.03 0.00	137.74 -7.21 0.00	138.79 -5.73 0.00	143.63 -5.75 -1.05	137.96 -7.12 -6.15	94.00 -4.23 -21.23	134.87 -10.07 -5.90	182.81 -14.06 5.76	123.89 -11.26 -6.85	84.58 -9.74 -1.70	97.13 -12.23 0.16	111.14 -12.38 0.00	124.78 -10.98 -0.45	137.95 -9.22 2.18	123.22 -8.95 32.09	82.48 -3.33 -12.60	97.60 -4.61 4.67	84.99 -3.26 -12.58	115.55 -7.50 11.15	133.51 -10.10 5.99	116.73 -8.51 -1.07
ELBRIDGE_115KV_TB2 80188	144.40 -2.81 0.00	138.32 -2.21 0.00	115.33 -1.91 0.00	136.49 -2.57 0.00	142.72 -2.23 0.00	143.35 -1.17 0.00	147.02 -1.30 0.00	138.71 -1.28 -1.07	86.41 -0.70 -10.11	140.16 -1.98 -3.09	199.28 -3.46 -0.10	129.37 -2.52 -3.59	91.67 -1.84 -0.89	107.62 -2.30 -0.39	120.79 -2.72 0.00	132.98 -2.57 -0.24	146.99 -2.35 0.00	161.95 -2.30 0.00	77.98 -0.86 -5.63	105.44 -1.43 0.00	80.93 -1.03 -6.29	132.18 -2.01 0.00	147.04 -2.57 0.00	122.75 -1.99 -0.56
ELEC_TRO_TEK 24086	168.20 12.39 -8.59	162.35 12.35 -9.47	161.04 10.49 -33.32	164.11 11.67 -13.38	165.07 12.51 -7.60	167.61 13.73 -9.36	175.87 14.62 -12.92	267.82 14.48 -114.42	253.89 8.11 -168.78	188.36 13.72 -35.60	229.76 17.24 -9.88	206.44 12.46 -65.69	168.69 9.14 -66.93	164.94 10.33 -45.09	167.42 11.32 -32.58	153.98 12.36 -6.31	201.71 13.18 -39.19	221.80 13.67 -43.87	225.13 6.69 -145.23	165.68 9.79 -49.02	161.29 7.16 -78.46	177.17 12.55 -30.42	163.81 13.42 -0.78	149.20 11.76 -13.27

ELLENBURG_WT_PWR 323604	146.20 -1.01 0.00	138.55 -1.98 0.00	116.05 -1.19 0.00	138.43 -0.64 0.00	143.77 -1.18 0.00	141.97 -2.54 0.00	145.67 -2.65 0.00	136.20 -2.72 0.00	75.25 -1.75 0.00	136.83 -2.21 0.00	201.16 -1.47 0.00	127.05 -1.24 0.00	91.71 -0.91 0.00	108.61 -0.92 0.00	122.63 -0.88 0.00	134.29 -1.01 0.00	148.57 -0.77 0.00	163.54 -0.72 0.00	71.87 -1.34 0.00	104.23 -2.64 0.00	73.80 -1.87 0.00	131.24 -2.95 0.00	147.88 -1.73 0.00	122.87 -1.30 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	134.55 -12.66 0.00	130.08 -10.45 0.00	109.41 -7.83 0.00	128.64 -10.42 0.00	135.76 -9.19 0.00	137.22 -7.30 0.00	139.28 -9.21 -0.16	129.96 -11.69 -2.73	85.82 -6.33 -15.16	130.99 -12.69 -4.63	183.61 -16.75 2.29	122.51 -11.17 -5.38	85.88 -8.07 -1.34	99.42 -10.33 -0.21	111.32 -12.19 0.00	122.41 -13.24 -0.35	134.43 -14.02 0.89	135.70 -15.30 13.26	75.58 -7.48 -9.86	94.53 -10.96 1.38	78.11 -7.43 -9.87	115.41 -13.34 5.43	132.70 -14.45 2.45	113.90 -11.12 -0.84
EMPIRE_CC_1 323656	152.57 5.35 0.00	145.70 5.16 0.00	121.52 4.28 0.00	143.65 4.59 0.00	150.14 5.19 0.00	150.49 5.97 0.00	157.88 6.05 -3.50	173.73 5.89 -28.92	195.31 3.19 -115.12	178.68 5.81 -33.82	212.58 8.85 -1.10	173.72 6.11 -39.32	106.83 4.45 -9.77	119.09 5.28 -4.28	129.22 5.71 0.00	144.03 6.13 -2.59	155.20 5.86 0.00	179.11 6.70 -8.16	152.19 3.25 -75.73	126.42 4.81 -14.74	152.41 3.54 -73.21	144.61 5.68 -4.73	155.86 6.08 -0.17	136.48 5.95 -6.36
EMPIRE_CC_2 323658	152.57 5.35 0.00	145.70 5.16 0.00	121.52 4.28 0.00	143.65 4.59 0.00	150.14 5.19 0.00	150.49 5.97 0.00	157.88 6.05 -3.50	173.73 5.89 -28.92	195.31 3.19 -115.12	178.68 5.81 -33.82	212.58 8.85 -1.10	173.72 6.11 -39.32	106.83 4.45 -9.77	119.09 5.28 -4.28	129.22 5.71 0.00	144.03 6.13 -2.59	155.20 5.86 0.00	179.11 6.70 -8.16	152.19 3.25 -75.73	126.42 4.81 -14.74	152.41 3.54 -73.21	144.61 5.68 -4.73	155.86 6.08 -0.17	136.48 5.95 -6.36
ENORWICH_115KV_TB1 80156	156.78 9.56 0.00	149.63 9.10 0.00	125.13 7.89 0.00	147.12 8.05 0.00	154.24 9.29 0.00	156.08 11.56 0.00	162.94 13.63 -0.98	160.58 13.84 -7.82	114.62 7.33 -30.29	159.34 11.43 -8.87	220.81 14.08 -4.09	146.67 8.07 -10.31	101.49 6.31 -2.56	118.61 7.38 -1.70	131.71 8.20 0.00	146.80 10.81 -0.68	166.38 15.64 -1.39	204.94 17.62 -23.07	100.82 7.64 -19.97	126.46 11.49 -8.11	103.19 8.30 -19.23	156.42 14.29 -7.94	167.20 13.77 -3.83	136.70 10.91 -1.62
ERIE_ST__34_KV_TB1-2 80199	137.08 -10.14 0.00	132.54 -7.99 0.00	111.36 -5.88 0.00	131.01 -8.06 0.00	138.03 -6.92 0.00	139.39 -5.13 0.00	141.80 -6.74 -0.21	132.93 -8.97 -2.98	87.87 -5.02 -15.89	133.57 -10.30 -4.83	187.14 -13.10 2.40	124.67 -9.24 -5.61	87.44 -6.57 -1.39	101.36 -8.39 -0.22	113.80 -9.71 0.00	125.05 -10.62 -0.37	137.24 -11.17 0.93	138.13 -12.24 13.88	83.71 -6.20 -16.71	99.97 -8.96 -2.06	79.77 -6.18 -10.28	117.76 -10.82 5.61	135.25 -11.78 2.57	115.86 -9.19 -0.88
ERIE_WT_PWR 323693	135.33 -11.88 0.00	130.87 -9.66 0.00	110.15 -7.08 0.00	129.37 -9.69 0.00	136.57 -8.38 0.00	138.09 -6.43 0.00	140.29 -8.22 -0.18	131.10 -10.67 -2.85	86.73 -5.84 -15.57	132.08 -11.71 -4.75	185.24 -15.02 2.38	123.41 -10.41 -5.52	86.46 -7.53 -1.37	100.06 -9.68 -0.21	112.22 -11.29 0.00	123.25 -12.42 -0.36	135.49 -12.93 0.93	136.37 -14.11 13.78	76.48 -6.84 -10.11	95.38 -10.04 1.45	78.88 -6.90 -10.11	116.28 -12.30 5.61	133.58 -13.47 2.55	114.69 -10.35 -0.86
ESPRGFLD_115KV_TB1 80157	153.41 6.20 0.00	146.42 5.89 0.00	122.38 5.14 0.00	145.19 6.13 0.00	151.60 6.65 0.00	151.93 7.41 0.00	162.84 8.16 -6.36	178.04 7.82 -31.30	89.32 4.22 -8.10	146.03 6.99 0.00	211.61 8.98 0.00	132.87 4.57 0.00	95.70 3.08 0.00	113.25 3.72 0.00	127.73 4.21 0.00	140.35 5.04 0.00	156.52 7.18 0.00	192.64 8.51 -19.88	102.45 3.69 -25.55	140.67 5.41 -28.38	87.34 3.76 -7.92	141.13 6.94 0.00	157.17 7.57 0.00	129.88 5.70 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	149.14 1.92 0.00	142.79 2.26 0.00	119.12 1.88 0.00	140.88 1.82 0.00	147.43 2.48 0.00	148.27 3.75 0.00	153.07 4.16 -0.58	147.90 4.03 -4.95	100.76 2.12 -21.64	147.91 2.49 -6.37	214.32 2.13 -9.56	136.24 0.53 -7.41	94.84 0.38 -1.84	111.95 0.18 -2.23	123.65 0.13 0.00	136.78 0.99 -0.49	155.40 2.63 -3.43	220.35 3.31 -52.79	88.68 1.73 -13.73	121.65 2.35 -12.42	90.91 1.62 -13.63	156.34 2.65 -19.49	161.31 2.29 -9.42	127.20 1.86 -1.16
ETNA____115KV_TB2 80207	149.14 1.92 0.00	142.79 2.26 0.00	119.12 1.88 0.00	140.88 1.82 0.00	147.43 2.48 0.00	148.27 3.75 0.00	153.07 4.16 -0.58	147.90 4.03 -4.95	100.76 2.12 -21.64	147.91 2.49 -6.37	214.32 2.13 -9.56	136.24 0.53 -7.41	94.84 0.38 -1.84	111.95 0.18 -2.23	123.65 0.13 0.00	136.78 0.99 -0.49	155.40 2.63 -3.43	220.35 3.31 -52.79	88.68 1.73 -13.73	121.65 2.35 -12.42	90.91 1.62 -13.63	156.34 2.65 -19.49	161.31 2.29 -9.42	127.20 1.86 -1.16
EUCLID____115KV_TB2 356179	143.58 -3.64 0.00	137.31 -3.22 0.00	114.59 -2.65 0.00	135.65 -3.41 0.00	141.84 -3.11 0.00	142.24 -2.28 0.00	146.03 -2.31 0.00	137.57 -2.19 -0.84	83.76 -1.19 -7.95	138.81 -2.67 -2.43	198.35 -4.36 -0.08	128.12 -3.00 -2.82	91.13 -2.18 -0.70	107.19 -2.65 -0.31	120.43 -3.08 0.00	132.31 -3.19 -0.19	146.19 -3.15 0.00	160.78 -3.47 0.00	76.20 -1.44 -4.43	104.64 -2.23 0.00	79.04 -1.56 -4.95	131.27 -2.92 0.00	146.11 -3.49 0.00	121.83 -2.79 -0.44
E_CANADA_CAP_HY 24051	154.43 7.21 0.00	147.24 6.71 0.00	123.05 5.81 0.00	146.19 7.12 0.00	152.65 7.70 0.00	152.70 8.18 0.00	165.25 8.87 -8.05	201.15 8.45 -53.78	226.09 4.46 -144.63	187.48 7.36 -41.07	213.29 9.33 -1.33	180.27 4.22 -47.75	107.09 2.62 -11.86	118.05 3.32 -5.20	127.30 3.78 0.00	143.39 4.95 -3.14	156.87 7.52 0.00	199.52 9.60 -25.66	184.44 4.04 -107.19	148.87 5.92 -36.08	173.32 4.03 -93.63	141.63 7.44 0.00	158.13 8.52 0.00	138.21 6.53 -7.50
E_CANADA_MHWK_HY 24050	154.76 7.55 0.00	147.99 7.46 0.00	123.42 6.18 0.00	145.49 6.42 0.00	151.93 6.98 0.00	153.17 8.65 0.00	157.81 9.48 0.00	148.46 9.54 0.00	81.98 4.98 0.00	147.29 8.24 0.00	212.47 9.84 0.00	133.51 5.22 0.00	96.09 3.48 0.00	113.62 4.09 0.00	127.83 4.32 0.00	141.04 5.73 0.00	156.54 7.19 0.00	172.93 8.68 0.00	77.65 4.44 0.00	113.31 6.44 0.00	80.34 4.68 0.00	141.79 7.60 0.00	156.90 7.30 0.00	130.36 6.19 0.00
E_FISHKILL____LBMP 23776	156.60 9.39 0.00	149.71 9.18 0.00	124.85 7.61 0.00	147.45 8.39 0.00	154.10 9.14 0.00	154.89 10.37 0.00	161.15 10.71 -2.11	170.11 10.69 -20.50	181.51 5.95 -98.56	178.49 10.14 -29.30	216.91 13.32 -0.95	171.47 9.11 -34.07	107.70 6.62 -8.46	120.82 7.58 -3.71	131.80 8.28 0.00	146.67 9.12 -2.24	158.81 9.47 0.00	177.53 9.80 -3.48	139.97 4.89 -61.88	122.51 7.21 -8.42	143.28 5.35 -62.27	150.74 9.36 -7.18	159.70 9.84 -0.26	138.65 8.84 -5.63
FALCON____SEABRD_CC1 323796	147.49 0.27 0.00	139.62 -0.91 0.00	117.06 -0.18 0.00	139.74 0.68 0.00	145.21 0.26 0.00	143.76 -0.76 0.00	147.48 -0.85 0.00	137.95 -0.98 0.00	76.20 -0.80 0.00	138.52 -0.52 0.00	203.33 0.70 0.00	128.36 0.06 0.00	92.59 -0.02 0.00	109.68 0.16 0.00	123.81 0.29 0.00	135.78 0.48 0.00	150.33 0.98 0.00	165.28 1.02 0.00	72.58 -0.63 0.00	105.04 -1.83 0.00	74.43 -1.23 0.00	132.20 -1.99 0.00	149.05 -0.55 0.00	124.32 0.14 0.00

FALCON___SEABRD_CC2 323797	147.49 0.27 0.00	139.62 -0.91 0.00	117.06 -0.18 0.00	139.74 0.68 0.00	145.21 0.26 0.00	143.76 -0.76 0.00	147.48 -0.85 0.00	137.95 -0.98 0.00	76.20 -0.80 0.00	138.52 -0.52 0.00	203.33 0.70 0.00	128.36 0.06 0.00	92.59 -0.02 0.00	109.68 0.16 0.00	123.81 0.29 0.00	135.78 0.48 0.00	150.33 0.98 0.00	165.28 1.02 0.00	72.58 -0.63 0.00	105.04 -1.83 0.00	74.43 -1.23 0.00	132.20 -1.99 0.00	149.05 -0.55 0.00	124.32 0.14 0.00
FAR ROCKAWAY___4 23548	180.99 14.43 -19.34	176.07 14.23 -21.31	178.76 12.05 -49.47	179.81 13.49 -27.26	176.40 14.41 -17.04	181.28 15.69 -21.07	189.78 16.73 -24.72	272.06 16.54 -116.60	254.99 9.21 -168.78	198.85 15.59 -44.22	243.85 20.15 -21.07	215.55 14.15 -73.10	189.61 10.37 -86.62	186.95 11.75 -65.67	185.21 12.92 -48.78	155.68 14.07 -6.31	203.73 15.20 -39.19	277.85 16.09 -97.50	318.82 7.78 -237.84	167.25 11.37 -49.02	162.38 8.25 -78.46	179.05 14.44 -30.42	165.76 15.38 -0.78	150.72 13.28 -13.27
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	159.03 11.81 0.00	151.94 11.41 0.00	126.68 9.44 0.00	149.54 10.48 0.00	156.48 11.52 0.00	157.46 12.94 0.00	163.99 13.59 -2.07	172.49 13.47 -20.10	181.10 7.53 -96.57	180.63 12.88 -28.71	220.65 17.08 -0.93	173.50 11.83 -33.38	109.50 8.59 -8.29	122.72 9.56 -3.63	133.90 10.39 0.00	148.88 11.37 -2.20	161.24 11.89 0.00	179.86 12.19 -3.42	139.88 6.03 -60.64	124.07 8.94 -8.26	143.22 6.54 -61.02	167.43 11.65 -21.58	162.72 12.35 -0.78	141.09 10.83 -6.08
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	159.14 11.92 0.00	152.03 11.50 0.00	126.78 9.54 0.00	149.62 10.56 0.00	156.59 11.63 0.00	157.56 13.05 0.00	164.09 13.69 -2.07	172.60 13.58 -20.10	181.15 7.58 -96.57	180.74 12.98 -28.71	220.72 17.15 -0.93	173.60 11.93 -33.38	109.56 8.65 -8.29	122.77 9.61 -3.63	133.97 10.46 0.00	148.99 11.48 -2.20	161.31 11.96 0.00	179.96 12.28 -3.42	139.94 6.10 -60.64	124.14 9.00 -8.26	143.28 6.60 -61.02	167.53 11.76 -21.58	162.81 12.43 -0.78	141.17 10.91 -6.08
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	158.94 11.73 0.00	151.86 11.33 0.00	126.63 9.39 0.00	149.47 10.41 0.00	156.42 11.46 0.00	157.36 12.84 0.00	163.89 13.49 -2.07	172.44 13.42 -20.10	181.04 7.47 -96.57	180.57 12.82 -28.71	220.50 16.93 -0.93	173.45 11.77 -33.38	109.45 8.54 -8.29	122.64 9.48 -3.63	133.83 10.32 0.00	148.84 11.33 -2.20	161.13 11.78 0.00	179.74 12.07 -3.42	139.83 5.98 -60.64	123.98 8.84 -8.26	143.16 6.47 -61.02	167.34 11.56 -21.58	162.63 12.25 -0.78	141.00 10.75 -6.08
FARRAGUT___LBMP 323566	158.82 11.61 0.00	151.74 11.21 0.00	126.52 9.29 0.00	149.33 10.27 0.00	156.28 11.33 0.00	157.23 12.71 0.00	163.74 13.34 -2.07	172.30 13.28 -20.10	180.96 7.39 -96.57	180.40 12.64 -28.71	220.28 16.71 -0.93	173.31 11.63 -33.38	109.34 8.43 -8.29	122.52 9.36 -3.63	133.68 10.17 0.00	148.65 11.15 -2.20	160.95 11.60 0.00	179.55 11.88 -3.42	139.75 5.91 -60.64	123.88 8.75 -8.26	143.08 6.40 -61.02	167.21 11.44 -21.58	162.48 12.10 -0.78	140.90 10.65 -6.08
FENNER___WINDPWR 24204	148.65 1.43 0.00	142.00 1.47 0.00	118.33 1.09 0.00	140.29 1.23 0.00	146.81 1.86 0.00	147.49 2.98 0.00	151.89 3.57 0.00	143.79 3.68 -1.18	90.09 1.88 -11.21	144.99 2.51 -3.43	206.91 2.38 -1.90	133.33 1.05 -3.98	94.29 0.68 -0.99	111.17 0.94 -0.71	124.63 1.12 0.00	137.09 1.52 -0.26	152.76 2.76 -0.65	177.46 3.31 -9.89	81.01 1.56 -6.25	110.88 2.05 -1.96	84.00 1.36 -6.98	141.02 3.12 -3.70	154.69 3.29 -1.80	127.35 2.55 -0.63
FIBERTEK___ENERGY 23856	145.33 -1.89 0.00	139.10 -1.43 0.00	115.99 -1.25 0.00	137.38 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.61 -2.12 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.64 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.14 -0.38 -5.31	106.10 -0.77 0.00	81.02 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
FITZPATRICK___ 23598	141.44 -5.78 0.00	135.20 -5.33 0.00	112.88 -4.36 0.00	133.66 -5.40 0.00	139.64 -5.31 0.00	139.84 -4.68 0.00	143.49 -4.84 0.00	134.88 -4.63 -0.59	80.07 -2.53 -5.61	135.87 -4.88 -1.71	195.31 -7.38 -0.06	125.40 -4.89 -1.99	89.55 -3.56 -0.50	105.48 -4.26 -0.22	118.61 -4.90 0.00	130.22 -5.21 -0.13	143.83 -5.52 0.00	158.21 -6.05 0.00	73.73 -2.60 -3.12	102.96 -3.91 0.00	76.41 -2.75 -3.49	129.19 -5.00 0.00	143.89 -5.71 0.00	119.88 -4.61 -0.31
FLOWRFLD_69_KV_BK1 356044	161.01 12.55 -1.25	155.02 13.11 -1.37	151.14 11.63 -22.27	156.02 13.07 -3.88	159.81 13.71 -1.15	160.67 14.79 -1.36	169.10 15.92 -4.85	267.45 15.60 -112.92	254.27 8.49 -168.78	183.16 14.41 -29.70	220.50 15.63 -2.23	201.67 12.74 -60.63	155.87 9.79 -53.46	151.58 11.04 -31.02	157.07 12.05 -21.51	154.98 13.36 -6.31	202.97 14.44 -39.19	188.07 14.65 -9.16	165.78 7.28 -85.29	166.58 10.69 -49.02	162.00 7.88 -78.46	178.61 14.00 -30.42	165.56 15.18 -0.78	150.84 13.39 -13.27
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	159.05 11.84 0.00	152.01 11.48 0.00	126.80 9.57 0.00	149.72 10.66 0.00	156.53 11.57 0.00	157.38 12.87 0.00	163.89 13.46 -2.10	172.58 13.38 -20.27	181.42 7.45 -96.97	180.67 12.80 -28.82	220.68 17.11 -0.93	173.13 11.33 -33.51	109.10 8.16 -8.32	122.53 9.35 -3.65	133.78 10.27 0.00	148.87 11.36 -2.21	161.51 12.16 0.00	180.72 12.95 -3.51	140.45 6.28 -60.95	124.49 9.23 -8.39	143.67 6.73 -61.28	145.89 11.70 0.00	161.93 12.33 0.00	140.07 10.63 -5.26
FORT ORANGE___ 23900	154.01 6.80 0.00	147.16 6.63 0.00	122.74 5.50 0.00	145.12 6.06 0.00	151.70 6.75 0.00	152.12 7.61 0.00	161.34 7.77 -5.24	184.00 7.24 -37.84	201.87 4.08 -120.78	181.15 7.24 -34.87	213.72 9.95 -1.13	175.38 6.56 -40.54	107.53 4.85 -10.07	119.60 5.67 -4.41	129.57 6.05 0.00	144.71 6.74 -2.67	156.35 7.00 0.00	186.87 7.92 -14.70	161.71 3.80 -84.70	135.23 5.43 -22.93	156.96 3.77 -77.53	140.43 6.24 0.00	155.89 6.28 0.00	136.40 5.85 -6.38
FORT_DRUM_COGEN 23780	148.04 0.82 0.00	140.34 -0.19 0.00	116.68 -0.56 0.00	139.22 0.16 0.00	146.52 1.57 0.00	146.54 2.02 0.00	151.28 2.95 0.00	143.49 4.08 -0.49	83.86 2.19 -4.67	144.81 4.34 -1.43	209.23 6.55 -0.05	132.98 3.02 -1.66	94.19 1.16 -0.41	111.89 2.19 -0.18	126.17 2.66 0.00	138.20 2.78 -0.11	153.39 4.04 0.00	169.60 5.34 0.00	77.31 1.50 -2.60	108.33 1.46 0.00	79.03 0.46 -2.91	137.61 3.41 0.00	155.40 5.80 0.00	129.05 4.61 -0.26
FOX_HILLS___ESR 323835	239.76 12.57 -79.97	223.55 12.09 -70.93	221.90 10.05 -94.61	223.15 11.24 -72.84	223.53 12.33 -66.24	223.55 13.72 -65.31	226.78 14.21 -64.24	229.09 14.15 -76.01	232.34 7.74 -147.60	239.06 13.03 -86.98	310.06 17.40 -90.02	457.41 12.03 -317.08	1143.34 8.68 -1042.05	613.87 9.64 -494.70	525.78 10.80 -391.47	678.35 11.83 -531.21	620.38 12.67 -458.37	563.83 12.80 -386.78	653.11 6.49 -573.42	965.26 9.58 -848.80	611.99 7.06 -529.26	405.87 12.22 -259.45	361.54 12.78 -199.16	307.17 11.49 -171.50
FPL FAR_ROCK_GT1 24212	180.96 14.40 -19.34	176.05 14.21 -21.31	178.73 12.02 -49.47	179.82 13.49 -27.26	176.40 14.41 -17.04	181.26 15.67 -21.07	189.77 16.73 -24.72	272.05 16.53 -116.60	255.00 9.21 -168.78	198.86 15.60 -44.22	243.79 20.09 -21.07	215.59 14.19 -73.11	189.61 10.37 -86.62	186.94 11.75 -65.67	185.18 12.89 -48.78	155.67 14.05 -6.31	203.73 15.20 -39.19	277.87 16.11 -97.50	318.83 7.78 -237.84	167.23 11.34 -49.02	162.38 8.26 -78.46	179.02 14.41 -30.42	165.78 15.39 -0.78	150.74 13.30 -13.27

FPL FAR_ROCK_GT2 23815	180.96 14.40 -19.34	176.05 14.21 -21.31	178.73 12.02 -49.47	179.82 13.49 -27.26	176.40 14.41 -17.04	181.26 15.67 -21.07	189.77 16.73 -24.72	272.05 16.53 -116.60	255.00 9.21 -168.78	198.86 15.60 -44.22	243.79 20.09 -21.07	215.59 14.19 -73.11	189.61 10.37 -86.62	186.94 11.75 -65.67	185.18 12.89 -48.78	155.67 14.05 -6.31	203.73 15.20 -39.19	277.87 16.11 -97.50	318.83 7.78 -237.84	167.23 11.34 -49.02	162.38 8.26 -78.46	179.02 14.41 -30.42	165.78 15.39 -0.78	150.74 13.30 -13.27
FRANKLIN_FALL_HYD 24054	149.25 2.03 0.00	141.59 1.06 0.00	118.53 1.29 0.00	141.49 2.42 0.00	146.58 1.63 0.00	144.42 -0.09 0.00	148.16 -0.18 0.00	138.49 -0.43 0.00	76.50 -0.50 0.00	139.13 0.08 0.00	204.67 2.03 0.00	129.19 0.90 0.00	93.22 0.60 0.00	110.21 0.68 0.00	124.42 0.91 0.00	136.08 0.77 0.00	150.85 1.51 0.00	166.27 2.02 0.00	73.15 -0.06 0.00	106.21 -0.66 0.00	75.15 -0.51 0.00	133.81 -0.38 0.00	150.87 1.27 0.00	125.27 1.09 0.00
FREEPORT_EQUS_GT1 23764	168.11 13.24 -7.65	162.23 13.26 -8.43	160.38 11.24 -31.90	163.81 12.59 -12.16	165.18 13.45 -6.78	167.48 14.62 -8.34	175.86 15.64 -11.88	268.71 15.56 -114.22	254.45 8.66 -168.78	188.45 14.57 -34.84	229.93 18.39 -8.90	206.62 13.28 -65.04	167.56 9.74 -65.20	163.87 11.06 -43.28	166.79 12.12 -31.16	154.85 13.23 -6.31	202.75 14.22 -39.19	216.71 14.90 -37.56	214.80 7.26 -134.33	166.52 10.63 -49.02	161.86 7.73 -78.46	178.16 13.55 -30.42	164.91 14.52 -0.78	150.05 12.60 -13.27
FREEPORT___CT2 23818	168.11 13.24 -7.65	162.23 13.26 -8.43	160.38 11.24 -31.90	163.81 12.59 -12.16	165.18 13.45 -6.78	167.48 14.62 -8.34	175.86 15.64 -11.88	268.71 15.56 -114.22	254.45 8.66 -168.78	188.45 14.57 -34.84	229.93 18.39 -8.90	206.62 13.28 -65.04	167.56 9.74 -65.20	163.87 11.06 -43.28	166.79 12.12 -31.16	154.85 13.23 -6.31	202.75 14.22 -39.19	216.71 14.90 -37.56	214.80 7.26 -134.33	166.52 10.63 -49.02	161.86 7.73 -78.46	178.16 13.55 -30.42	164.91 14.52 -0.78	150.05 12.60 -13.27
FRESHKLS_33_KV_LOAD 356253	239.64 12.45 -79.97	223.38 11.92 -70.93	221.79 9.94 -94.61	223.03 11.12 -72.84	223.44 12.25 -66.24	223.43 13.60 -65.31	226.65 14.08 -64.24	228.92 13.98 -76.01	232.20 7.59 -147.60	238.92 12.61 -87.26	317.79 16.76 -98.39	457.09 11.65 -317.14	1143.02 8.35 -1042.05	613.58 9.35 -494.70	525.56 10.58 -391.47	678.22 11.61 -531.30	620.30 12.49 -458.47	563.63 12.60 -386.78	653.12 6.49 -573.42	965.27 9.60 -848.80	612.04 7.11 -529.26	405.82 12.17 -259.45	361.36 12.61 -199.16	307.07 11.40 -171.50
FULTON COGEN____ 23766	143.82 -3.39 0.00	137.55 -2.99 0.00	114.70 -2.54 0.00	135.81 -3.26 0.00	142.05 -2.90 0.00	142.42 -2.10 0.00	146.31 -2.02 0.00	137.86 -1.85 -0.79	83.47 -0.99 -7.45	139.14 -2.18 -2.28	198.86 -3.85 -0.07	128.13 -2.81 -2.65	91.18 -2.09 -0.66	107.35 -2.46 -0.29	120.54 -2.97 0.00	132.57 -2.91 -0.17	146.55 -2.80 0.00	161.21 -3.05 0.00	76.05 -1.30 -4.15	104.83 -2.04 0.00	78.80 -1.49 -4.63	131.35 -2.85 0.00	146.15 -3.45 0.00	121.85 -2.74 -0.41
FULTON___LFGE 323630	156.92 9.71 0.00	149.70 9.17 0.00	125.00 7.76 0.00	148.24 9.18 0.00	154.90 9.95 0.00	155.31 10.79 0.00	168.72 11.65 -8.75	206.73 11.25 -56.56	222.18 5.95 -139.23	188.09 9.89 -39.15	216.55 12.65 -1.27	179.51 5.69 -45.52	106.93 3.01 -11.31	117.89 3.41 -4.95	127.09 3.58 0.00	143.92 5.62 -3.00	158.86 9.51 0.00	204.54 12.22 -28.06	185.18 5.47 -106.50	154.09 7.95 -39.27	171.77 5.52 -90.58	143.88 9.68 0.00	160.16 10.56 0.00	139.79 8.46 -7.15
G.F.CEMENT___DRP 24184	159.75 12.53 0.00	152.30 11.77 0.00	126.90 9.66 0.00	150.10 11.03 0.00	156.93 11.98 0.00	158.15 13.63 0.00	171.56 14.36 -8.88	209.44 14.31 -56.20	214.49 7.64 -129.84	188.41 13.13 -36.23	221.93 18.12 -1.18	181.25 10.84 -42.11	110.28 7.20 -10.46	122.67 8.56 -4.58	133.15 9.64 0.00	149.50 11.42 -2.77	162.57 13.23 0.00	207.81 15.28 -28.27	181.96 7.04 -101.71	156.92 10.25 -39.80	167.76 7.29 -84.80	146.20 12.01 0.00	162.32 12.72 0.00	141.95 11.15 -6.62
GARDENVILLE___LBMP 24039	134.87 -12.35 0.00	130.43 -10.10 0.00	109.66 -7.58 0.00	128.96 -10.11 0.00	136.10 -8.85 0.00	137.58 -6.93 0.00	139.68 -8.79 -0.15	130.45 -11.21 -2.74	86.31 -6.10 -15.41	131.46 -12.30 -4.72	184.14 -16.12 2.38	122.90 -10.88 -5.49	86.13 -7.85 -1.36	99.67 -10.07 -0.21	111.65 -11.86 0.00	122.84 -12.83 -0.36	134.99 -13.43 0.93	135.90 -14.57 13.78	76.07 -7.19 -10.05	94.89 -10.52 1.46	78.56 -7.16 -10.05	115.66 -12.86 5.68	133.13 -13.92 2.55	114.22 -10.81 -0.86
GARDNVLA_35_KV_LD 355827	135.51 -11.71 0.00	130.99 -9.54 0.00	110.14 -7.10 0.00	129.54 -9.53 0.00	136.71 -8.24 0.00	138.22 -6.30 0.00	140.51 -8.01 -0.19	131.34 -10.48 -2.89	86.94 -5.69 -15.63	132.29 -11.52 -4.76	185.21 -15.06 2.37	123.65 -10.18 -5.53	86.62 -7.37 -1.37	100.23 -9.51 -0.21	112.30 -11.21 0.00	123.46 -12.21 -0.36	135.71 -12.71 0.92	136.73 -13.82 13.71	82.72 -6.82 -16.33	98.85 -9.97 -1.94	79.05 -6.76 -10.14	116.44 -12.19 5.56	133.82 -13.24 2.54	114.83 -10.21 -0.87
GELCKHM___115KV_LOAD 80723	144.26 -2.95 0.00	138.00 -2.53 0.00	115.13 -2.11 0.00	136.33 -2.74 0.00	142.52 -2.43 0.00	142.94 -1.58 0.00	146.75 -1.57 0.00	138.33 -1.49 -0.90	84.72 -0.81 -8.53	139.63 -2.02 -2.61	199.27 -3.45 -0.08	128.85 -2.47 -3.03	91.56 -1.81 -0.75	107.64 -2.22 -0.33	120.91 -2.60 0.00	132.95 -2.55 -0.20	146.89 -2.45 0.00	161.68 -2.57 0.00	76.94 -1.02 -4.75	105.22 -1.65 0.00	79.79 -1.18 -5.31	131.96 -2.23 0.00	146.85 -2.75 0.00	122.46 -2.19 -0.47
GENERAL___MILLS 23808	135.31 -11.91 0.00	130.81 -9.72 0.00	110.00 -7.24 0.00	129.34 -9.72 0.00	136.55 -8.40 0.00	138.02 -6.50 0.00	140.24 -8.27 -0.18	131.03 -10.74 -2.85	86.72 -5.85 -15.57	131.98 -11.81 -4.75	184.77 -15.49 2.38	123.37 -10.45 -5.52	86.42 -7.57 -1.37	100.01 -9.73 -0.21	112.06 -11.45 0.00	123.20 -12.47 -0.36	135.41 -13.01 0.93	136.33 -14.15 13.78	76.35 -6.97 -10.11	95.24 -10.19 1.45	78.87 -6.91 -10.11	116.15 -12.43 5.61	133.58 -13.48 2.55	114.60 -10.44 -0.86
GE_PLASTICS___DRP 24183	152.70 5.49 0.00	145.93 5.40 0.00	121.71 4.47 0.00	143.93 4.87 0.00	150.39 5.44 0.00	150.73 6.21 0.00	159.14 6.30 -4.51	179.05 5.90 -34.23	200.05 3.28 -119.77	179.73 5.84 -34.85	211.76 7.99 -1.13	174.19 5.39 -40.51	106.69 4.01 -10.06	118.70 4.76 -4.41	128.58 5.06 0.00	143.46 5.48 -2.67	154.85 5.50 0.00	182.09 5.99 -11.84	157.81 2.94 -81.66	130.54 4.24 -19.42	155.24 3.02 -76.56	139.26 5.07 0.00	154.83 5.23 0.00	135.58 5.03 -6.37
GILBOA___1 23756	152.51 5.30 0.00	145.77 5.24 0.00	121.59 4.35 0.00	143.79 4.73 0.00	150.24 5.30 0.00	150.63 6.11 0.00	156.14 6.04 -1.77	162.86 5.66 -18.28	173.01 3.19 -92.81	172.50 5.78 -27.68	211.08 7.55 -0.90	165.52 5.05 -32.18	104.32 3.71 -7.99	117.65 4.62 -3.50	128.49 4.98 0.00	142.49 5.07 -2.12	154.32 4.98 0.00	171.46 4.75 -2.45	133.33 2.56 -57.56	117.55 3.76 -6.92	137.04 2.83 -58.55	139.32 5.13 0.00	155.00 5.40 0.00	134.17 4.94 -5.06
GILBOA___2 23757	152.51 5.30 0.00	145.77 5.24 0.00	121.59 4.35 0.00	143.79 4.73 0.00	150.24 5.30 0.00	150.63 6.11 0.00	156.14 6.04 -1.77	162.86 5.66 -18.28	173.01 3.19 -92.81	172.50 5.78 -27.68	211.08 7.55 -0.90	165.52 5.05 -32.18	104.32 3.71 -7.99	117.65 4.62 -3.50	128.49 4.98 0.00	142.49 5.07 -2.12	154.32 4.98 0.00	171.46 4.75 -2.45	133.33 2.56 -57.56	117.55 3.76 -6.92	137.04 2.83 -58.55	139.32 5.13 0.00	155.00 5.40 0.00	134.17 4.94 -5.06

HUNTLEY___67 23561	133.61 -13.60 0.00	129.17 -11.35 0.00	108.66 -8.58 0.00	127.70 -11.36 0.00	134.80 -10.15 0.00	136.22 -8.29 0.00	138.17 -10.33 -0.17	128.83 -12.81 -2.72	84.97 -6.95 -14.91	129.80 -13.79 -4.55	182.06 -18.36 2.21	121.45 -12.13 -5.29	85.17 -8.76 -1.31	98.63 -11.11 -0.22	110.43 -13.08 0.00	121.27 -14.38 -0.35	133.12 -15.37 0.87	134.58 -16.81 12.86	66.94 -8.14 -1.88	89.36 -11.93 5.58	77.32 -8.03 -9.69	114.53 -14.41 5.25	131.60 -15.62 2.38	113.05 -11.96 -0.83
HUNTLEY___68 23562	133.61 -13.60 0.00	129.17 -11.35 0.00	108.66 -8.58 0.00	127.70 -11.36 0.00	134.80 -10.15 0.00	136.22 -8.29 0.00	138.17 -10.33 -0.17	128.83 -12.81 -2.72	84.97 -6.95 -14.91	129.80 -13.79 -4.55	182.06 -18.36 2.21	121.45 -12.13 -5.29	85.17 -8.76 -1.31	98.63 -11.11 -0.22	110.43 -13.08 0.00	121.27 -14.38 -0.35	133.12 -15.37 0.87	134.58 -16.81 12.86	66.94 -8.14 -1.88	89.36 -11.93 5.58	77.32 -8.03 -9.69	114.53 -14.41 5.25	131.60 -15.62 2.38	113.05 -11.96 -0.83
HYLAND___LFGE 323620	147.28 0.07 0.00	141.49 0.96 0.00	118.69 1.45 0.00	139.89 0.83 0.00	147.65 2.70 0.00	143.85 -0.67 0.00	143.15 -6.17 -0.98	138.44 -5.95 -5.46	92.82 -2.21 -18.03	132.34 -11.64 -4.94	179.79 -19.46 3.39	120.30 -13.74 -5.74	83.74 -10.30 -1.43	97.12 -12.49 -0.08	110.78 -12.74 0.00	123.92 -11.77 -0.38	138.43 -9.62 1.30	136.95 -7.91 19.39	80.71 -3.03 -10.53	100.56 -3.81 2.50	88.37 2.18 -10.53	129.43 1.37 6.14	145.96 -0.06 3.57	125.01 -0.06 -0.90
INDECK___CORINTH 23802	158.92 11.71 0.00	151.57 11.04 0.00	126.31 9.07 0.00	149.40 10.34 0.00	156.21 11.26 0.00	157.33 12.81 0.00	170.85 13.53 -9.00	209.25 13.52 -56.81	214.41 7.19 -130.22	187.84 12.50 -36.30	220.99 17.18 -1.18	180.76 10.26 -42.20	109.91 6.82 -10.48	122.22 8.09 -4.59	132.62 9.11 0.00	148.87 10.79 -2.78	161.84 12.49 0.00	207.38 14.41 -28.72	182.17 6.65 -102.31	156.90 9.68 -40.35	167.63 6.88 -85.09	145.55 11.36 0.00	161.58 11.98 0.00	141.30 10.49 -6.64
INDECK___ILION 23567	151.17 3.96 0.00	144.36 3.83 0.00	120.44 3.20 0.00	142.45 3.38 0.00	148.68 3.73 0.00	149.20 4.68 0.00	153.44 5.11 0.00	144.00 5.08 0.00	79.70 2.70 0.00	143.54 4.50 0.00	208.14 5.51 0.00	131.36 3.07 0.00	94.68 2.07 0.00	112.01 2.48 0.00	126.14 2.62 0.00	138.59 3.28 0.00	153.31 3.96 0.00	168.95 4.70 0.00	75.60 2.39 0.00	110.29 3.42 0.00	78.14 2.48 0.00	138.29 4.10 0.00	153.65 4.05 0.00	127.67 3.50 0.00
INDECK___OLEAN 23982	140.64 -6.57 0.00	136.15 -4.38 0.00	114.29 -2.95 0.00	134.49 -4.58 0.00	140.75 -4.20 0.00	141.35 -3.17 0.00	144.25 -4.45 -0.37	137.27 -5.43 -3.78	91.38 -3.66 -18.05	136.21 -8.21 -5.38	189.62 -9.97 3.04	126.59 -7.97 -6.26	88.78 -5.39 -1.55	103.15 -6.56 -0.19	116.40 -7.11 0.00	128.31 -7.41 -0.41	139.90 -8.27 1.18	136.88 -9.83 17.55	79.99 -4.71 -11.48	97.80 -7.06 2.01	82.02 -5.11 -11.48	119.15 -8.29 6.75	137.56 -8.80 3.24	117.84 -7.31 -0.98
INDECK___OSWEGO 23783	142.59 -4.62 0.00	136.31 -4.23 0.00	113.67 -3.57 0.00	134.59 -4.47 0.00	140.73 -4.22 0.00	141.02 -3.49 0.00	144.83 -3.50 0.00	136.49 -3.19 -0.76	82.52 -1.70 -7.22	137.91 -3.34 -2.21	197.24 -5.46 -0.07	126.56 -4.30 -2.56	89.82 -3.43 -0.64	105.64 -4.17 -0.28	118.67 -4.84 0.00	130.36 -5.12 -0.17	143.96 -5.39 0.00	158.40 -5.85 0.00	74.71 -2.51 -4.02	103.02 -3.85 0.00	77.41 -2.75 -4.49	129.24 -4.95 0.00	143.97 -5.63 0.00	120.00 -4.58 -0.40
INDECK___YERKES 23781	134.41 -12.81 0.00	129.99 -10.54 0.00	109.54 -7.70 0.00	128.48 -10.58 0.00	135.63 -9.32 0.00	137.15 -7.37 0.00	138.98 -9.55 -0.19	129.38 -12.28 -2.74	85.08 -6.61 -14.69	130.42 -13.09 -4.46	183.54 -17.03 2.07	121.78 -11.70 -5.19	85.43 -8.47 -1.29	98.66 -11.09 -0.22	110.41 -13.10 0.00	120.94 -14.70 -0.34	132.88 -15.66 0.81	135.21 -17.04 12.00	99.35 -8.21 -34.35	107.33 -11.91 -12.37	77.02 -8.14 -9.51	114.89 -14.43 4.87	131.47 -15.90 2.23	112.93 -12.05 -0.81
INDIAN POINT_GT_1 24139	157.23 10.01 0.00	150.28 9.75 0.00	125.29 8.05 0.00	147.96 8.90 0.00	154.74 9.79 0.00	155.58 11.06 0.00	161.93 11.55 -2.05	170.42 11.61 -19.89	179.06 6.48 -95.58	178.43 10.97 -28.42	217.86 14.31 -0.92	171.17 9.84 -33.04	107.85 7.02 -8.21	121.04 7.91 -3.60	132.11 8.60 0.00	146.95 9.47 -2.18	159.37 10.02 0.00	178.12 10.48 -3.38	138.39 5.17 -60.02	122.66 7.61 -8.18	141.66 5.60 -60.39	333.37 9.81 -189.37	166.78 10.37 -6.81	145.25 9.04 -12.03
INDIAN POINT_GT_2 23659	157.23 10.01 0.00	150.28 9.75 0.00	125.29 8.05 0.00	147.96 8.90 0.00	154.74 9.79 0.00	155.58 11.06 0.00	161.93 11.55 -2.05	170.42 11.61 -19.89	179.06 6.48 -95.58	178.43 10.97 -28.42	217.86 14.31 -0.92	171.17 9.84 -33.04	107.85 7.02 -8.21	121.04 7.91 -3.60	132.11 8.60 0.00	146.95 9.47 -2.18	159.37 10.02 0.00	178.12 10.48 -3.38	138.39 5.17 -60.02	122.66 7.61 -8.18	141.66 5.60 -60.39	333.37 9.81 -189.37	166.78 10.37 -6.81	145.25 9.04 -12.03
INDIAN POINT_GT_3 24019	157.23 10.01 0.00	150.28 9.75 0.00	125.29 8.05 0.00	147.96 8.90 0.00	154.74 9.79 0.00	155.58 11.06 0.00	161.93 11.55 -2.05	170.42 11.61 -19.89	179.06 6.48 -95.58	178.43 10.97 -28.42	217.86 14.31 -0.92	171.17 9.84 -33.04	107.85 7.02 -8.21	121.04 7.91 -3.60	132.11 8.60 0.00	146.95 9.47 -2.18	159.37 10.02 0.00	178.12 10.48 -3.38	138.39 5.17 -60.02	122.66 7.61 -8.18	141.66 5.60 -60.39	333.37 9.81 -189.37	166.78 10.37 -6.81	145.25 9.04 -12.03
INDIAN POINT___2 23530	156.96 9.74 0.00	150.00 9.46 0.00	125.04 7.80 0.00	147.70 8.63 0.00	154.46 9.51 0.00	155.29 10.77 0.00	161.59 11.24 -2.02	169.86 11.33 -19.61	177.62 6.33 -94.29	177.76 10.69 -28.03	217.35 13.81 -0.91	170.42 9.54 -32.59	107.53 6.82 -8.10	120.67 7.60 -3.55	131.78 8.26 0.00	146.60 9.15 -2.15	159.03 9.69 0.00	177.75 10.16 -3.33	137.42 5.01 -59.20	122.25 7.32 -8.06	140.68 5.44 -59.58	83.79 9.38 59.79	157.47 10.02 2.15	135.52 8.43 -2.92
INDIAN POINT___3 23531	157.01 9.79 0.00	150.05 9.52 0.00	125.15 7.91 0.00	147.77 8.70 0.00	154.53 9.58 0.00	155.37 10.85 0.00	161.65 11.27 -2.05	170.16 11.34 -19.90	178.97 6.32 -95.64	178.18 10.70 -28.44	217.51 13.95 -0.92	170.94 9.59 -33.06	107.67 6.84 -8.21	120.82 7.69 -3.60	131.85 8.34 0.00	146.70 9.22 -2.18	159.09 9.75 0.00	177.84 10.20 -3.39	138.28 5.02 -60.06	122.43 7.37 -8.18	141.55 5.45 -60.43	170.57 9.78 -26.59	160.72 10.16 -0.96	140.15 9.68 -6.30
INGHAM_C_115KV_TB7 356103	154.76 7.55 0.00	147.99 7.46 0.00	123.42 6.18 0.00	145.49 6.42 0.00	151.93 6.98 0.00	153.17 8.65 0.00	157.80 9.47 0.00	148.46 9.54 0.00	81.98 4.98 0.00	147.29 8.24 0.00	212.47 9.84 0.00	133.51 5.22 0.00	96.09 3.48 0.00	113.62 4.09 0.00	127.84 4.32 0.00	141.04 5.73 0.00	156.53 7.18 0.00	172.94 8.68 0.00	77.65 4.44 0.00	113.29 6.42 0.00	80.34 4.67 0.00	141.80 7.60 0.00	156.90 7.30 0.00	130.36 6.19 0.00
IP CORINTH___1 23988	158.92 11.71 0.00	151.57 11.03 0.00	126.29 9.06 0.00	149.40 10.34 0.00	156.21 11.26 0.00	157.33 12.81 0.00	170.86 13.54 -9.00	209.25 13.52 -56.81	214.41 7.19 -130.22	187.84 12.49 -36.30	221.02 17.21 -1.18	180.76 10.26 -42.20	109.92 6.82 -10.48	122.23 8.10 -4.59	132.63 9.12 0.00	148.87 10.79 -2.78	161.84 12.49 0.00	207.38 14.41 -28.72	182.18 6.66 -102.31	156.90 9.68 -40.35	167.65 6.89 -85.09	145.55 11.36 0.00	161.58 11.98 0.00	141.30 10.49 -6.64

IP__TICONDEROGA 23804	166.91 19.69 0.00	158.39 17.86 0.00	131.92 14.69 0.00	155.79 16.72 0.00	163.33 18.38 0.00	165.90 21.38 0.00	179.26 22.01 -8.92	217.65 22.30 -56.43	218.82 11.84 -129.98	195.85 20.55 -36.26	232.10 28.29 -1.18	186.24 15.80 -42.14	113.71 10.63 -10.47	126.85 12.73 -4.59	137.67 14.16 0.00	154.98 16.90 -2.78	169.46 20.12 0.00	216.60 23.91 -28.44	186.05 10.91 -101.93	162.85 15.98 -40.00	171.82 11.25 -84.91	152.45 18.26 0.00	168.86 19.26 0.00	148.06 17.26 -6.63
ISLIP_RES_REC 323679	162.28 13.74 -1.33	156.14 14.14 -1.46	151.96 12.33 -22.40	157.19 14.14 -3.99	161.10 14.92 -1.22	162.07 16.11 -1.45	170.67 17.39 -4.94	268.87 17.01 -112.94	255.06 9.27 -168.78	184.68 15.87 -29.77	222.07 17.12 -2.32	202.85 13.88 -60.68	156.79 10.56 -53.61	152.47 11.77 -31.17	158.03 12.89 -21.63	156.02 14.40 -6.31	204.28 15.74 -39.19	190.04 16.27 -9.52	167.06 7.94 -85.91	167.57 11.68 -49.02	162.66 8.53 -78.46	179.64 15.03 -30.42	166.77 16.39 -0.78	151.71 14.27 -13.27
JAMAICA__27_KV_LOAD 355505	160.15 12.94 0.00	152.85 12.32 0.00	127.17 9.93 0.00	150.07 11.01 0.00	157.36 12.41 0.00	158.42 13.90 0.00	165.08 14.68 -2.07	173.54 14.52 -20.10	181.66 8.09 -96.57	181.47 13.72 -28.71	223.19 17.98 -2.57	174.15 12.47 -33.38	109.57 8.66 -8.29	122.70 9.55 -3.63	133.58 10.07 0.00	148.76 11.26 -2.20	161.08 11.73 0.00	179.65 11.97 -3.42	139.93 6.08 -60.64	124.18 9.04 -8.26	143.34 6.66 -61.02	167.88 12.10 -21.58	163.44 13.06 -0.78	141.58 11.32 -6.08
JANIS__SOLAR 323808	152.91 5.69 0.00	146.24 5.71 0.00	122.14 4.90 0.00	144.02 4.96 0.00	150.90 5.94 0.00	152.22 7.70 0.00	158.10 8.98 -0.80	154.43 8.97 -6.53	108.10 4.70 -26.40	153.30 6.51 -7.75	215.91 6.72 -6.55	140.16 2.86 -9.00	97.09 2.23 -2.24	114.00 2.53 -1.94	126.28 2.77 0.00	140.44 4.54 -0.59	160.07 8.42 -2.31	210.98 10.27 -36.45	95.00 4.63 -17.16	123.72 6.80 -10.05	97.20 4.83 -16.71	155.50 8.17 -13.14	163.73 7.78 -6.35	131.76 6.17 -1.41
JARVIS____ 23743	148.22 1.01 0.00	141.52 0.99 0.00	118.06 0.83 0.00	139.93 0.87 0.00	146.03 1.08 0.00	145.95 1.43 0.00	149.93 1.60 0.00	140.48 1.56 0.00	77.86 0.86 0.00	140.44 1.40 0.00	204.41 1.78 0.00	129.45 1.15 0.00	93.45 0.83 0.00	110.51 0.98 0.00	124.56 1.05 0.00	136.38 1.08 0.00	150.46 1.11 0.00	165.51 1.26 0.00	73.88 0.67 0.00	107.83 0.96 0.00	76.34 0.68 0.00	135.40 1.21 0.00	150.96 1.35 0.00	125.48 1.31 0.00
JENNISON__1 23625	153.42 6.21 0.00	146.46 5.93 0.00	122.69 5.45 0.00	144.36 5.30 0.00	151.01 6.06 0.00	152.33 7.81 0.00	158.22 8.75 -1.14	156.41 8.45 -9.04	115.69 4.58 -34.11	156.37 7.34 -9.98	214.18 9.90 -1.64	145.40 5.50 -11.61	99.56 4.07 -2.88	115.26 4.27 -1.47	128.46 4.95 0.00	143.05 6.98 -0.76	159.98 10.15 -0.48	184.74 10.69 -9.79	100.49 4.52 -22.76	119.79 6.74 -6.18	102.36 4.96 -21.73	145.93 9.01 -2.73	159.61 8.68 -1.33	132.95 6.96 -1.82
JENNISON__2 23626	153.42 6.21 0.00	146.46 5.93 0.00	122.69 5.45 0.00	144.36 5.30 0.00	151.01 6.06 0.00	152.33 7.81 0.00	158.22 8.75 -1.14	156.41 8.45 -9.04	115.69 4.58 -34.11	156.37 7.34 -9.98	214.18 9.90 -1.64	145.40 5.50 -11.61	99.56 4.07 -2.88	115.26 4.27 -1.47	128.46 4.95 0.00	143.05 6.98 -0.76	159.98 10.15 -0.48	184.74 10.69 -9.79	100.49 4.52 -22.76	119.79 6.74 -6.18	102.36 4.96 -21.73	145.93 9.01 -2.73	159.61 8.68 -1.33	132.95 6.96 -1.82
JERICHO_RISE_WT_PWR 323719	145.96 -1.26 0.00	138.37 -2.16 0.00	115.95 -1.29 0.00	138.37 -0.69 0.00	143.56 -1.39 0.00	141.56 -2.96 0.00	145.25 -3.08 0.00	135.75 -3.17 0.00	75.01 -1.99 0.00	136.54 -2.50 0.00	200.85 -1.78 0.00	126.88 -1.42 0.00	91.62 -0.99 0.00	108.49 -1.04 0.00	122.51 -1.00 0.00	134.09 -1.22 0.00	148.40 -0.95 0.00	163.36 -0.90 0.00	71.75 -1.46 0.00	104.09 -2.78 0.00	73.68 -1.99 0.00	131.06 -3.13 0.00	147.70 -1.90 0.00	122.64 -1.54 0.00
KATONAH__115KV_46KV_TB4 355592	158.97 11.76 0.00	151.97 11.44 0.00	126.77 9.53 0.00	149.66 10.60 0.00	156.53 11.57 0.00	157.47 12.95 0.00	163.93 13.51 -2.10	172.70 13.41 -20.37	182.26 7.47 -97.79	180.88 12.77 -29.07	220.54 16.96 -0.94	173.49 11.40 -33.80	109.28 8.27 -8.40	122.54 9.33 -3.68	133.70 10.18 0.00	148.73 11.20 -2.23	161.22 11.87 0.00	180.32 12.59 -3.48	140.81 6.19 -61.41	124.34 9.09 -8.38	144.10 6.64 -61.79	160.02 11.63 -14.20	162.39 12.27 -0.51	140.89 10.85 -5.86
KCE_NY_1 323755	157.09 9.88 0.00	150.13 9.60 0.00	124.95 7.71 0.00	147.93 8.86 0.00	154.64 9.69 0.00	155.36 10.84 0.00	168.63 11.48 -8.82	206.01 11.20 -55.89	212.62 5.97 -129.64	185.64 10.41 -36.19	218.34 14.53 -1.17	179.27 8.90 -42.08	109.16 6.10 -10.45	121.41 7.30 -4.58	131.57 8.06 0.00	147.38 9.31 -2.77	159.90 10.55 0.00	204.34 12.04 -28.04	180.26 5.65 -101.40	154.48 8.10 -39.51	166.24 5.93 -84.65	144.00 9.80 0.00	160.02 10.42 0.00	139.97 9.17 -6.62
KCE_NY_6_ESR 323823	135.33 -11.88 0.00	130.87 -9.66 0.00	110.15 -7.08 0.00	129.37 -9.69 0.00	136.57 -8.38 0.00	138.09 -6.43 0.00	140.29 -8.22 -0.18	131.10 -10.67 -2.85	86.73 -5.84 -15.57	132.08 -11.71 -4.75	185.24 -15.02 2.38	123.41 -10.41 -5.52	86.46 -7.53 -1.37	100.06 -9.68 -0.21	112.22 -11.29 0.00	123.25 -12.42 -0.36	135.49 -12.93 0.93	136.37 -14.11 13.78	76.48 -6.84 -10.11	95.38 -10.04 1.45	78.88 -6.90 -10.11	116.28 -12.30 5.61	133.58 -13.47 2.55	114.69 -10.35 -0.86
KEDC_PORT_JEFF_GT2 24210	160.54 12.09 -1.23	154.68 12.79 -1.36	150.82 11.33 -22.25	155.71 12.78 -3.87	159.50 13.41 -1.14	160.30 14.43 -1.35	168.61 15.44 -4.84	266.90 15.06 -112.92	253.95 8.17 -168.78	182.59 13.86 -29.69	219.53 14.68 -2.22	201.20 12.28 -60.62	155.58 9.52 -53.44	151.30 10.79 -30.99	156.73 11.73 -21.49	154.63 13.02 -6.31	202.54 14.01 -39.19	187.34 13.98 -9.11	165.38 6.98 -85.19	166.14 10.26 -49.02	161.75 7.62 -78.46	178.08 13.47 -30.42	165.15 14.76 -0.78	150.68 13.24 -13.27
KEDC_PORT_JEFF_GT3 24211	160.54 12.09 -1.23	154.68 12.79 -1.36	150.82 11.33 -22.25	155.71 12.78 -3.87	159.50 13.41 -1.14	160.30 14.43 -1.35	168.61 15.44 -4.84	266.90 15.06 -112.92	253.95 8.17 -168.78	182.59 13.86 -29.69	219.53 14.68 -2.22	201.20 12.28 -60.62	155.58 9.52 -53.44	151.30 10.79 -30.99	156.73 11.73 -21.49	154.63 13.02 -6.31	202.54 14.01 -39.19	187.34 13.98 -9.11	165.38 6.98 -85.19	166.14 10.26 -49.02	161.75 7.62 -78.46	178.08 13.47 -30.42	165.15 14.76 -0.78	150.68 13.24 -13.27
KEDC_GLWD_GT4 24219	165.65 13.27 -5.16	159.43 13.21 -5.69	156.56 11.16 -28.16	160.51 12.50 -8.94	162.98 13.44 -4.59	164.69 14.56 -5.63	172.48 15.00 -9.15	267.51 14.87 -113.72	254.40 8.62 -168.78	186.58 14.69 -32.84	227.51 18.56 -6.30	204.98 13.36 -63.33	163.02 9.77 -60.64	159.12 11.08 -38.51	163.06 12.14 -27.41	154.93 13.31 -6.31	202.72 14.19 -39.19	205.62 14.86 -26.51	195.65 7.19 -115.24	166.42 10.53 -49.02	161.79 7.67 -78.46	178.03 13.42 -30.42	164.74 14.36 -0.78	149.95 12.50 -13.27
KEDC_GLWD_GT5 24220	165.65 13.27 -5.16	159.43 13.21 -5.69	156.56 11.16 -28.16	160.51 12.50 -8.94	162.98 13.44 -4.59	164.69 14.56 -5.63	172.48 15.00 -9.15	267.51 14.87 -113.72	254.40 8.62 -168.78	186.58 14.69 -32.84	227.51 18.56 -6.30	204.98 13.36 -63.33	163.02 9.77 -60.64	159.12 11.08 -38.51	163.06 12.14 -27.41	154.93 13.31 -6.31	202.72 14.19 -39.19	205.62 14.86 -26.51	195.65 7.19 -115.24	166.42 10.53 -49.02	161.79 7.67 -78.46	178.03 13.42 -30.42	164.74 14.36 -0.78	149.95 12.50 -13.27

KENSICO____ 23655	157.81 10.60 0.00	150.84 10.31 0.00	125.76 8.52 0.00	148.52 9.46 0.00	155.30 10.35 0.00	156.15 11.64 0.00	162.56 12.16 -2.07	171.15 12.17 -20.05	180.15 6.79 -96.36	179.29 11.60 -28.65	218.76 15.20 -0.93	172.09 10.48 -33.31	108.42 7.53 -8.27	121.61 8.46 -3.63	132.75 9.24 0.00	147.67 10.17 -2.19	160.04 10.69 0.00	178.80 11.13 -3.41	139.18 5.46 -60.51	123.18 8.06 -8.25	142.48 5.93 -60.89	168.48 10.47 -23.81	161.51 11.05 -0.86	140.18 9.85 -6.15
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	159.14 11.92 0.00	152.11 11.58 0.00	126.95 9.71 0.00	149.91 10.84 0.00	156.72 11.77 0.00	157.65 13.13 0.00	164.28 13.79 -2.16	172.76 13.73 -20.12	177.53 7.69 -92.83	179.65 13.07 -27.53	220.91 17.38 -0.89	171.62 11.31 -32.01	108.64 8.07 -7.95	122.25 9.23 -3.48	133.66 10.15 0.00	148.63 11.22 -2.11	161.50 12.16 0.00	181.31 13.11 -3.94	138.41 6.35 -58.85	124.95 9.35 -8.73	141.24 6.85 -58.74	140.72 11.85 5.32	161.92 12.51 0.19	139.35 10.36 -4.82
KIAC_JFK_GT1 23816	159.02 11.80 0.00	151.79 11.26 0.00	126.35 9.11 0.00	149.10 10.03 0.00	156.31 11.36 0.00	157.29 12.77 0.00	163.90 13.50 -2.07	172.42 13.40 -20.10	181.04 7.47 -96.57	180.28 12.52 -28.71	220.99 15.78 -2.57	172.80 11.12 -33.38	108.60 7.70 -8.29	121.53 8.37 -3.63	132.31 8.80 0.00	147.32 9.82 -2.20	159.50 10.15 0.00	177.91 10.23 -3.42	139.11 5.26 -60.64	122.97 7.84 -8.26	142.50 5.82 -61.02	166.77 10.99 -21.58	162.33 11.95 -0.78	140.68 10.43 -6.08
KIAC_JFK_GT2 23817	159.02 11.80 0.00	151.79 11.26 0.00	126.35 9.11 0.00	149.10 10.03 0.00	156.31 11.36 0.00	157.29 12.77 0.00	163.90 13.50 -2.07	172.42 13.40 -20.10	181.04 7.47 -96.57	180.28 12.52 -28.71	220.99 15.78 -2.57	172.80 11.12 -33.38	108.60 7.70 -8.29	121.53 8.37 -3.63	132.31 8.80 0.00	147.32 9.82 -2.20	159.50 10.15 0.00	177.91 10.23 -3.42	139.11 5.26 -60.64	122.97 7.84 -8.26	142.50 5.82 -61.02	166.77 10.99 -21.58	162.33 11.95 -0.78	140.68 10.43 -6.08
KIAC_JFK____ 323774	159.02 11.80 0.00	151.79 11.26 0.00	126.33 9.09 0.00	149.10 10.04 0.00	156.31 11.36 0.00	157.28 12.77 0.00	163.90 13.50 -2.07	172.42 13.40 -20.10	181.05 7.48 -96.57	180.30 12.54 -28.71	220.92 15.71 -2.57	172.80 11.12 -33.38	108.61 7.70 -8.29	121.53 8.37 -3.63	132.28 8.77 0.00	147.32 9.82 -2.20	159.48 10.13 0.00	177.88 10.21 -3.42	139.10 5.25 -60.64	122.95 7.81 -8.26	142.48 5.80 -61.02	166.73 10.95 -21.58	162.33 11.95 -0.78	140.68 10.42 -6.08
KINTIGH____ 23543	135.14 -12.08 0.00	130.44 -10.09 0.00	109.56 -7.68 0.00	128.99 -10.07 0.00	135.76 -9.19 0.00	136.91 -7.61 0.00	139.05 -9.49 -0.20	130.12 -11.33 -2.52	83.92 -6.12 -13.03	130.73 -12.25 -3.93	184.34 -16.64 1.66	122.03 -10.84 -4.57	85.95 -7.80 -1.14	99.91 -9.84 -0.23	111.96 -11.55 0.00	122.88 -12.73 -0.30	134.93 -13.77 0.65	139.36 -15.19 9.71	63.64 -7.17 2.40	89.54 -10.59 6.75	76.94 -7.09 -8.37	117.43 -12.88 3.89	133.84 -13.96 1.80	114.28 -10.60 -0.72
KNTFSRNC_46_KV_46KV_LOAD 80397	148.85 1.64 0.00	140.96 0.43 0.00	118.15 0.91 0.00	141.02 1.96 0.00	146.52 1.57 0.00	145.06 0.54 0.00	148.97 0.64 0.00	139.33 0.40 0.00	76.92 -0.08 0.00	139.79 0.75 0.00	205.16 2.52 0.00	129.41 1.11 0.00	93.37 0.76 0.00	110.60 1.07 0.00	124.79 1.28 0.00	136.94 1.63 0.00	151.71 2.36 0.00	167.08 2.83 0.00	73.45 0.24 0.00	106.33 -0.54 0.00	75.26 -0.40 0.00	133.66 -0.54 0.00	150.59 0.99 0.00	125.40 1.23 0.00
LACHUTE__HYDRO 323717	166.91 19.69 0.00	158.41 17.88 0.00	131.93 14.69 0.00	155.78 16.72 0.00	163.32 18.37 0.00	165.90 21.38 0.00	179.26 22.01 -8.92	217.65 22.30 -56.43	218.82 11.84 -129.98	195.85 20.55 -36.26	232.10 28.29 -1.18	186.24 15.80 -42.14	113.71 10.62 -10.47	126.84 12.73 -4.59	137.67 14.16 0.00	154.98 16.90 -2.78	169.46 20.12 0.00	216.59 23.90 -28.44	186.05 10.91 -101.93	162.86 15.99 -40.00	171.82 11.25 -84.91	152.44 18.24 0.00	168.86 19.26 0.00	148.07 17.27 -6.63
LAWRNCV_115KV_TB1 80681	146.44 -0.78 0.00	139.13 -1.39 0.00	116.11 -1.13 0.00	138.62 -0.44 0.00	143.32 -1.63 0.00	140.17 -4.35 0.00	142.69 -5.64 0.00	133.43 -5.49 0.00	73.82 -3.18 0.00	134.12 -4.92 0.00	197.97 -4.66 0.00	125.17 -3.13 0.00	90.08 -2.54 0.00	106.67 -2.86 0.00	120.54 -2.97 0.00	131.43 -3.88 0.00	145.57 -3.77 0.00	160.65 -3.61 0.00	70.81 -2.39 0.00	103.23 -3.64 0.00	72.99 -2.68 0.00	131.04 -3.15 0.00	148.11 -1.49 0.00	122.98 -1.20 0.00
LEDERLE____ 23769	157.36 10.15 0.00	150.35 9.82 0.00	125.39 8.15 0.00	148.05 8.98 0.00	154.84 9.89 0.00	155.72 11.20 0.00	162.01 11.69 -1.99	170.12 11.87 -19.34	176.57 6.60 -92.97	177.83 11.15 -27.64	218.05 14.52 -0.90	170.31 9.88 -32.13	107.55 6.95 -7.98	120.79 7.76 -3.50	131.97 8.45 0.00	146.83 9.41 -2.12	159.47 10.12 0.00	178.30 10.76 -3.28	136.79 5.21 -58.37	122.44 7.63 -7.95	140.02 5.62 -58.74	106.94 9.54 36.80	158.56 10.28 1.32	135.84 8.09 -3.57
LIGHTHSE_115KV_TB6 355974	144.58 -2.64 0.00	137.87 -2.66 0.00	114.85 -2.39 0.00	136.07 -2.99 0.00	142.69 -2.26 0.00	142.99 -1.53 0.00	147.10 -1.23 0.00	138.95 -0.67 -0.70	83.27 -0.37 -6.64	140.24 -0.83 -2.03	201.15 -1.55 -0.07	129.05 -1.60 -2.36	91.64 -1.56 -0.59	108.14 -1.64 -0.26	121.65 -1.87 0.00	133.49 -1.98 -0.15	147.69 -1.66 0.00	162.81 -1.45 0.00	76.05 -0.85 -3.69	105.28 -1.59 0.00	78.46 -1.33 -4.13	132.58 -1.61 0.00	148.30 -1.31 0.00	123.49 -1.06 -0.37
LINDEN COGEN____ 23786	157.88 10.66 0.00	150.77 10.24 0.00	125.69 8.45 0.00	148.40 9.34 0.00	155.33 10.38 0.00	156.30 11.78 0.00	162.73 12.33 -2.07	171.32 12.30 -20.10	173.56 6.80 -89.77	134.47 11.56 16.14	198.58 15.05 19.10	167.10 10.61 -28.19	105.30 7.73 -4.95	120.72 8.51 -2.68	121.32 9.16 11.35	128.60 10.07 16.78	159.00 10.46 0.81	178.49 10.82 -3.42	139.23 5.38 -60.64	123.08 7.94 -8.26	141.38 5.81 -59.91	160.97 10.34 -16.43	159.41 10.99 1.18	136.35 9.67 -2.51
LINDHRST_69_KV_BK1 356055	164.14 14.02 -2.91	157.79 14.06 -3.20	154.11 12.11 -24.76	158.59 13.50 -6.03	161.90 14.35 -2.61	163.18 15.50 -3.17	171.72 16.72 -6.68	268.78 16.60 -113.26	254.94 9.16 -168.78	185.53 15.45 -31.03	225.34 18.75 -3.96	204.10 14.04 -61.77	159.49 10.37 -56.50	155.44 11.72 -34.19	160.33 12.81 -24.01	155.81 14.20 -6.31	203.80 15.26 -39.19	196.59 15.98 -16.36	178.71 7.78 -97.71	167.30 11.41 -49.02	162.45 8.32 -78.46	179.20 14.59 -30.42	166.05 15.67 -0.78	151.02 13.57 -13.27
LIPA_MISC_IPP 23656	161.44 13.03 -1.19	155.24 13.40 -1.31	151.22 11.79 -22.19	156.65 13.78 -3.81	160.59 14.54 -1.10	161.52 15.70 -1.30	170.13 17.01 -4.79	268.50 16.67 -112.91	254.72 8.94 -168.78	183.95 15.25 -29.66	220.95 16.14 -2.17	202.36 13.48 -60.59	156.07 10.10 -53.36	151.35 10.91 -30.91	156.90 11.96 -21.42	155.06 13.44 -6.31	203.68 15.15 -39.19	188.74 15.56 -8.92	165.74 7.66 -84.87	167.14 11.26 -49.02	162.31 8.18 -78.46	179.17 14.56 -30.42	166.31 15.93 -0.78	151.28 13.83 -13.27
LISF__SOLAR 323691	161.75 13.32 -1.21	155.57 13.71 -1.33	151.40 11.95 -22.21	156.95 14.06 -3.83	160.90 14.83 -1.12	161.86 16.03 -1.32	170.48 17.34 -4.81	268.82 16.99 -112.92	254.90 9.11 -168.78	184.25 15.54 -29.67	221.23 16.40 -2.19	202.61 13.72 -60.60	156.25 10.25 -53.39	151.51 11.04 -30.94	157.06 12.10 -21.45	155.29 13.67 -6.31	204.03 15.49 -39.19	189.21 15.96 -8.99	166.04 7.83 -85.00	167.41 11.52 -49.02	162.48 8.36 -78.46	179.41 14.80 -30.42	166.65 16.26 -0.78	151.56 14.12 -13.27

LITTLE FALLS___HYD 24013	154.76 7.55 0.00	147.99 7.46 0.00	123.42 6.18 0.00	145.49 6.42 0.00	151.93 6.98 0.00	153.17 8.65 0.00	157.80 9.47 0.00	148.46 9.54 0.00	81.98 4.98 0.00	147.29 8.24 0.00	212.47 9.84 0.00	133.51 5.22 0.00	96.09 3.48 0.00	113.62 4.09 0.00	127.84 4.32 0.00	141.04 5.73 0.00	156.53 7.18 0.00	172.94 8.68 0.00	77.65 4.44 0.00	113.29 6.42 0.00	80.34 4.67 0.00	141.80 7.60 0.00	156.90 7.30 0.00	130.36 6.19 0.00
LITTLRIV_115KV_TB1 356100	148.33 1.11 0.00	140.95 0.42 0.00	117.64 0.40 0.00	140.41 1.35 0.00	145.09 0.13 0.00	141.73 -2.78 0.00	144.43 -3.90 0.00	135.07 -3.85 0.00	74.67 -2.33 0.00	135.53 -3.52 0.00	199.87 -2.77 0.00	126.29 -2.00 0.00	90.61 -2.01 0.00	107.16 -2.37 0.00	121.18 -2.33 0.00	132.54 -2.77 0.00	147.23 -2.11 0.00	162.77 -1.49 0.00	71.73 -1.48 0.00	104.57 -2.31 0.00	73.90 -1.77 0.00	132.56 -1.63 0.00	149.89 0.29 0.00	124.45 0.27 0.00
LI_NEWBRDGE___DRP 323616	158.82 11.61 0.00	152.19 11.66 0.00	147.63 10.00 -20.40	152.43 11.09 -2.27	156.87 11.86 -0.06	157.54 13.02 0.00	165.70 13.89 -3.48	265.36 13.77 -112.67	253.47 7.68 -168.78	180.67 12.92 -28.70	219.43 15.86 -0.93	199.81 11.75 -59.76	152.47 8.68 -51.18	147.93 9.77 -28.63	153.82 10.69 -19.63	153.25 11.63 -6.31	200.90 12.37 -39.19	182.08 12.75 -5.08	157.73 6.28 -78.24	165.12 9.23 -49.02	160.90 6.78 -78.46	176.55 11.94 -30.42	163.11 12.72 -0.78	148.67 11.23 -13.27
LOCKPORT_115KV_TB60_63_64 80432	132.92 -14.30 0.00	128.66 -11.87 0.00	108.25 -8.99 0.00	127.26 -11.81 0.00	134.30 -10.65 0.00	135.78 -8.74 0.00	137.18 -11.36 -0.20	127.40 -14.19 -2.67	83.46 -7.63 -14.09	128.22 -15.10 -4.28	180.43 -20.39 1.82	119.86 -13.41 -4.97	84.20 -9.65 -1.23	97.52 -12.24 -0.23	109.09 -14.42 0.00	119.71 -15.92 -0.33	131.54 -17.10 0.71	135.14 -18.65 10.47	150.71 -8.99 -86.49	135.13 -13.02 -41.27	75.97 -8.79 -9.10	114.16 -15.79 4.24	130.57 -17.07 1.96	111.83 -13.12 -0.78
LOCKPORT___CC1 323769	132.08 -15.12 0.01	127.83 -12.70 0.00	107.70 -9.54 0.00	126.44 -12.62 0.00	133.43 -11.52 0.00	134.96 -9.56 0.00	136.34 -12.13 -0.14	126.63 -14.89 -2.59	83.13 -8.02 -14.15	127.64 -15.68 -4.28	179.16 -20.93 2.55	119.33 -13.97 -5.00	83.80 -10.06 -1.24	97.01 -12.70 -0.19	108.69 -14.83 0.00	119.16 -16.47 -0.33	130.67 -17.68 1.00	129.60 -19.36 15.29	-257.11 -9.17 321.15	-88.46 -13.34 181.99	75.72 -9.10 -9.16	111.81 -16.24 6.15	129.06 -17.80 2.74	111.32 -13.64 -0.78
LOCKPORT___CC2 323770	132.08 -15.12 0.01	127.83 -12.70 0.00	107.70 -9.54 0.00	126.44 -12.62 0.00	133.43 -11.52 0.00	134.96 -9.56 0.00	136.34 -12.13 -0.14	126.63 -14.89 -2.59	83.13 -8.02 -14.15	127.64 -15.68 -4.28	179.16 -20.93 2.55	119.33 -13.97 -5.00	83.80 -10.06 -1.24	97.01 -12.70 -0.19	108.69 -14.83 0.00	119.16 -16.47 -0.33	130.67 -17.68 1.00	129.60 -19.36 15.29	-257.11 -9.17 321.15	-88.46 -13.34 181.99	75.72 -9.10 -9.16	111.81 -16.24 6.15	129.06 -17.80 2.74	111.32 -13.64 -0.78
LOCKPORT___CC3 323771	132.08 -15.12 0.01	127.83 -12.70 0.00	107.70 -9.54 0.00	126.44 -12.62 0.00	133.43 -11.52 0.00	134.96 -9.56 0.00	136.34 -12.13 -0.14	126.63 -14.89 -2.59	83.13 -8.02 -14.15	127.64 -15.68 -4.28	179.16 -20.93 2.55	119.33 -13.97 -5.00	83.80 -10.06 -1.24	97.01 -12.70 -0.19	108.69 -14.83 0.00	119.16 -16.47 -0.33	130.67 -17.68 1.00	129.60 -19.36 15.29	-257.11 -9.17 321.15	-88.46 -13.34 181.99	75.72 -9.10 -9.16	111.81 -16.24 6.15	129.06 -17.80 2.74	111.32 -13.64 -0.78
LONG_LAKE_PHOENIX 24014	143.82 -3.39 0.00	137.55 -2.99 0.00	114.70 -2.54 0.00	135.81 -3.26 0.00	142.05 -2.90 0.00	142.42 -2.10 0.00	146.31 -2.02 0.00	137.86 -1.85 -0.79	83.47 -0.99 -7.45	139.14 -2.18 -2.28	198.86 -3.85 -0.07	128.13 -2.81 -2.65	91.18 -2.09 -0.66	107.35 -2.46 -0.29	120.54 -2.97 0.00	132.57 -2.91 -0.17	146.55 -2.80 0.00	161.21 -3.05 0.00	76.05 -1.30 -4.15	104.83 -2.04 0.00	78.80 -1.49 -4.63	131.35 -2.85 0.00	146.15 -3.45 0.00	121.85 -2.74 -0.41
LOVETT___3 23632	156.61 9.40 0.00	149.64 9.11 0.00	124.80 7.56 0.00	147.35 8.29 0.00	154.12 9.17 0.00	154.97 10.45 0.00	161.16 10.84 -2.00	169.31 10.98 -19.41	176.42 6.12 -93.31	177.01 10.22 -27.74	216.71 13.18 -0.90	169.63 9.08 -32.25	106.99 6.36 -8.01	120.06 7.02 -3.51	131.15 7.64 0.00	145.95 8.52 -2.12	158.49 9.14 0.00	177.15 9.60 -3.30	136.47 4.67 -58.58	121.70 6.85 -7.97	139.70 5.08 -58.96	105.38 8.59 37.41	157.57 9.31 1.35	134.96 7.23 -3.56
LOVETT___4 23642	156.61 9.40 0.00	149.64 9.11 0.00	124.80 7.56 0.00	147.35 8.29 0.00	154.12 9.17 0.00	154.97 10.45 0.00	161.16 10.84 -2.00	169.31 10.98 -19.41	176.42 6.12 -93.31	177.01 10.22 -27.74	216.71 13.18 -0.90	169.63 9.08 -32.25	106.99 6.36 -8.01	120.06 7.02 -3.51	131.15 7.64 0.00	145.95 8.52 -2.12	158.49 9.14 0.00	177.15 9.60 -3.30	136.47 4.67 -58.58	121.70 6.85 -7.97	139.70 5.08 -58.96	105.38 8.59 37.41	157.57 9.31 1.35	134.96 7.23 -3.56
LOVETT___5 23593	156.61 9.40 0.00	149.64 9.11 0.00	124.80 7.56 0.00	147.35 8.29 0.00	154.12 9.17 0.00	154.97 10.45 0.00	161.16 10.84 -2.00	169.31 10.98 -19.41	176.42 6.12 -93.31	177.01 10.22 -27.74	216.71 13.18 -0.90	169.63 9.08 -32.25	106.99 6.36 -8.01	120.06 7.02 -3.51	131.15 7.64 0.00	145.95 8.52 -2.12	158.49 9.14 0.00	177.15 9.60 -3.30	136.47 4.67 -58.58	121.70 6.85 -7.97	139.70 5.08 -58.96	105.38 8.59 37.41	157.57 9.31 1.35	134.96 7.23 -3.56
LOWER RAQUET___HYD 24057	146.40 -0.81 0.00	139.07 -1.47 0.00	116.05 -1.19 0.00	138.59 -0.47 0.00	143.16 -1.79 0.00	139.82 -4.70 0.00	142.12 -6.21 0.00	132.96 -5.96 0.00	73.55 -3.45 0.00	133.63 -5.41 0.00	197.47 -5.16 0.00	124.87 -3.42 0.00	89.77 -2.85 0.00	106.31 -3.22 0.00	120.13 -3.39 0.00	130.86 -4.45 0.00	145.03 -4.31 0.00	160.12 -4.13 0.00	70.54 -2.67 0.00	102.78 -4.09 0.00	72.70 -2.96 0.00	130.82 -3.37 0.00	148.11 -1.49 0.00	123.08 -1.09 0.00
LOWER___HUDSON 24059	154.95 7.74 0.00	147.94 7.41 0.00	123.31 6.07 0.00	145.85 6.79 0.00	152.45 7.51 0.00	152.86 8.34 0.00	164.54 8.64 -7.57	196.84 8.38 -49.54	207.46 4.52 -125.94	182.48 7.89 -35.54	214.76 10.97 -1.15	176.91 7.29 -41.32	108.02 5.14 -10.26	120.11 6.08 -4.50	130.19 6.68 0.00	145.40 7.37 -2.72	156.94 7.59 0.00	196.35 8.70 -23.39	172.58 4.14 -95.23	146.65 6.06 -33.72	161.88 4.43 -81.79	141.38 7.19 0.00	157.29 7.69 0.00	137.83 7.15 -6.50
LOWVILLE_115KV_TB2 356335	147.22 0.01 0.00	139.44 -1.09 0.00	115.90 -1.35 0.00	139.14 0.08 0.00	146.41 1.46 0.00	145.98 1.47 0.00	150.17 1.84 0.00	142.00 2.74 -0.34	81.60 1.37 -3.23	142.57 2.54 -0.99	206.71 4.04 -0.03	131.54 2.10 -1.15	93.46 0.56 -0.28	110.90 1.24 -0.12	124.97 1.46 0.00	136.60 1.22 -0.08	151.43 2.08 0.00	167.75 3.50 0.00	75.76 0.76 -1.80	107.20 0.32 0.00	77.34 -0.33 -2.01	136.11 1.92 0.00	154.60 5.00 0.00	128.57 4.22 -0.18
LUTHERFT_115KV_GLOB_FND_222 355753	157.08 9.87 0.00	149.99 9.46 0.00	125.00 7.77 0.00	147.88 8.82 0.00	154.62 9.67 0.00	155.31 10.79 0.00	168.48 11.34 -8.82	205.88 11.07 -55.89	212.57 5.92 -129.64	185.53 10.29 -36.19	218.00 14.19 -1.17	179.17 8.80 -42.08	109.09 6.02 -10.45	121.22 7.12 -4.58	131.44 7.92 0.00	147.26 9.18 -2.77	159.76 10.41 0.00	204.20 11.89 -28.04	180.16 5.55 -101.40	154.43 8.05 -39.51	166.12 5.80 -84.65	143.87 9.68 0.00	159.83 10.23 0.00	139.80 9.01 -6.62

LUTHERNY_35_KV_BK2 355980	157.09 9.88 0.00	150.14 9.61 0.00	124.95 7.71 0.00	147.93 8.86 0.00	154.64 9.69 0.00	155.36 10.84 0.00	168.63 11.48 -8.82	206.01 11.19 -55.89	212.62 5.97 -129.64	185.64 10.40 -36.19	218.33 14.52 -1.17	179.27 8.90 -42.08	109.17 6.10 -10.45	121.41 7.30 -4.58	131.58 8.07 0.00	147.39 9.31 -2.77	159.90 10.55 0.00	204.33 12.03 -28.04	180.24 5.64 -101.40	154.48 8.10 -39.51	166.25 5.94 -84.65	144.00 9.81 0.00	160.02 10.42 0.00	139.96 9.16 -6.62
LWR___OSWEGATCHIE_HYD 23850	146.52 -0.70 0.00	139.03 -1.50 0.00	115.78 -1.46 0.00	138.51 -0.55 0.00	144.31 -0.64 0.00	142.44 -2.08 0.00	145.60 -2.73 0.00	137.09 -2.08 -0.25	78.10 -1.30 -2.40	137.96 -1.82 -0.73	201.48 -1.18 -0.02	127.99 -1.16 -0.85	91.35 -1.47 -0.21	108.23 -1.39 -0.09	122.09 -1.42 0.00	133.28 -2.08 -0.06	147.74 -1.60 0.00	163.34 -0.91 0.00	73.34 -1.21 -1.34	104.64 -2.23 0.00	75.24 -1.92 -1.49	133.02 -1.17 0.00	150.89 1.29 0.00	125.53 1.22 -0.13
LYONS_FALL_HYD 23570	148.89 1.67 0.00	141.48 0.95 0.00	117.78 0.54 0.00	140.65 1.59 0.00	147.61 2.67 0.00	147.57 3.05 0.00	151.82 3.49 0.00	143.26 4.02 -0.32	82.13 2.10 -3.02	143.66 3.69 -0.92	207.80 5.14 -0.03	132.19 2.82 -1.07	94.22 1.34 -0.27	111.61 1.97 -0.12	125.86 2.35 0.00	137.81 2.43 -0.07	152.76 3.41 0.00	168.82 4.56 0.00	76.46 1.57 -1.68	108.69 1.82 0.00	78.48 0.93 -1.88	137.50 3.31 0.00	154.92 5.32 0.00	128.70 4.36 -0.17
MADISON___COUNTY_LFGE 323628	149.75 2.54 0.00	143.19 2.66 0.00	119.40 2.16 0.00	141.59 2.53 0.00	148.22 3.27 0.00	148.83 4.31 0.00	153.32 4.99 0.00	144.54 5.06 -0.56	85.04 2.69 -5.35	144.87 4.18 -1.64	207.11 4.43 -0.05	132.46 2.26 -1.90	94.36 1.27 -0.47	111.39 1.65 -0.21	125.61 2.10 0.00	137.93 2.49 -0.12	153.26 3.91 0.00	168.87 4.61 0.00	78.28 2.09 -2.98	109.74 2.87 0.00	81.01 2.02 -3.33	138.97 4.78 0.00	154.74 5.14 0.00	128.57 4.10 -0.30
MALONE___115KV_TB1 356076	149.25 2.03 0.00	141.59 1.06 0.00	118.53 1.29 0.00	141.49 2.42 0.00	146.58 1.63 0.00	144.42 -0.09 0.00	148.16 -0.18 0.00	138.49 -0.43 0.00	76.50 -0.50 0.00	139.13 0.08 0.00	204.67 2.03 0.00	129.19 0.90 0.00	93.22 0.60 0.00	110.21 0.68 0.00	124.42 0.91 0.00	136.08 0.77 0.00	150.85 1.51 0.00	166.27 2.02 0.00	73.15 -0.06 0.00	106.21 -0.66 0.00	75.15 -0.51 0.00	133.81 -0.38 0.00	150.87 1.27 0.00	125.27 1.09 0.00
MAPLEWOD_115KV_TB3 80458	154.27 7.05 0.00	147.36 6.83 0.00	122.91 5.67 0.00	145.31 6.25 0.00	151.90 6.95 0.00	152.29 7.78 0.00	162.73 8.00 -6.40	190.23 7.61 -43.70	204.92 4.14 -123.77	181.83 7.44 -35.34	214.23 10.44 -1.15	176.29 6.91 -41.08	107.90 5.08 -10.20	120.00 6.00 -4.47	129.99 6.47 0.00	145.11 7.10 -2.70	156.54 7.19 0.00	191.35 8.13 -18.96	167.23 3.89 -90.13	140.71 5.61 -28.24	159.56 3.99 -79.91	140.77 6.57 0.00	156.47 6.86 0.00	137.10 6.47 -6.46
MAPLE_RIDGE_WT_1 323574	145.05 -2.16 0.00	137.49 -3.04 0.00	115.05 -2.19 0.00	137.28 -1.79 0.00	143.05 -1.90 0.00	141.79 -2.73 0.00	145.14 -3.20 0.00	135.57 -3.35 0.00	75.16 -1.84 0.00	135.67 -3.37 0.00	198.72 -3.92 0.00	126.04 -2.25 0.00	90.93 -1.69 0.00	107.94 -1.59 0.00	121.68 -1.83 0.00	133.33 -1.98 0.00	147.17 -2.18 0.00	162.07 -2.19 0.00	71.76 -1.45 0.00	104.48 -2.39 0.00	73.89 -1.77 0.00	131.59 -2.61 0.00	147.92 -1.68 0.00	123.22 -0.96 0.00
MAPLE_RIDGE_WT_2 323611	145.05 -2.16 0.00	137.49 -3.04 0.00	115.05 -2.19 0.00	137.28 -1.79 0.00	143.05 -1.90 0.00	141.79 -2.73 0.00	145.14 -3.20 0.00	135.57 -3.35 0.00	75.16 -1.84 0.00	135.67 -3.37 0.00	198.72 -3.92 0.00	126.04 -2.25 0.00	90.93 -1.69 0.00	107.94 -1.59 0.00	121.68 -1.83 0.00	133.33 -1.98 0.00	147.17 -2.18 0.00	162.07 -2.19 0.00	71.76 -1.45 0.00	104.48 -2.39 0.00	73.89 -1.77 0.00	131.59 -2.61 0.00	147.92 -1.68 0.00	123.22 -0.96 0.00
MARBLE_RIVER_WT_PWR 323696	146.25 -0.96 0.00	138.60 -1.93 0.00	116.12 -1.12 0.00	138.50 -0.56 0.00	143.88 -1.07 0.00	142.06 -2.45 0.00	145.72 -2.60 0.00	136.22 -2.70 0.00	75.31 -1.69 0.00	136.94 -2.11 0.00	201.31 -1.33 0.00	127.15 -1.14 0.00	91.74 -0.88 0.00	108.66 -0.87 0.00	122.71 -0.81 0.00	134.37 -0.93 0.00	148.65 -0.70 0.00	163.59 -0.66 0.00	71.91 -1.30 0.00	104.25 -2.62 0.00	73.78 -1.89 0.00	131.22 -2.97 0.00	147.88 -1.73 0.00	122.89 -1.28 0.00
MARSHVLE_115KV_TB1 80742	155.20 7.98 0.00	147.95 7.42 0.00	123.67 6.43 0.00	146.88 7.82 0.00	153.40 8.45 0.00	153.57 9.05 0.00	166.35 9.80 -8.22	202.74 9.36 -54.45	225.24 4.93 -143.32	187.75 8.10 -40.61	214.06 10.11 -1.32	179.95 4.45 -47.21	107.10 2.76 -11.73	118.22 3.55 -5.14	127.56 4.05 0.00	143.84 5.42 -3.11	157.66 8.31 0.00	201.09 10.58 -26.25	184.76 4.53 -107.02	150.31 6.58 -36.85	173.08 4.53 -92.89	142.44 8.25 0.00	158.87 9.26 0.00	138.76 7.16 -7.42
MARSH_HILL_WT_PWR 323713	136.65 -10.57 0.00	131.18 -9.35 0.00	109.89 -7.35 0.00	130.04 -9.03 0.00	137.74 -7.21 0.00	138.79 -5.73 0.00	143.63 -5.75 -1.05	137.96 -7.12 -6.15	94.00 -4.23 -21.23	134.87 -10.07 -5.90	182.81 -14.06 5.76	123.89 -11.26 -6.85	84.58 -9.74 -1.70	97.13 -12.23 0.16	111.14 -12.38 0.00	124.78 -10.98 -0.45	137.95 -9.22 2.18	123.21 -8.95 32.09	82.48 -3.33 -12.60	97.60 -4.61 4.67	84.98 -3.26 -12.58	115.55 -7.50 11.15	133.51 -10.10 5.99	116.73 -8.51 -1.07
MCINTYRE_115KV_TB2 80467	149.30 2.09 0.00	141.97 1.44 0.00	118.48 1.24 0.00	141.41 2.34 0.00	146.27 1.32 0.00	143.20 -1.31 0.00	146.31 -2.02 0.00	136.77 -2.15 0.00	75.58 -1.42 0.00	137.05 -1.99 0.00	201.65 -0.98 0.00	127.38 -0.91 0.00	91.31 -1.31 0.00	107.86 -1.67 0.00	122.03 -1.48 0.00	133.96 -1.35 0.00	149.03 -0.32 0.00	164.95 0.69 0.00	72.72 -0.49 0.00	106.09 -0.78 0.00	74.95 -0.71 0.00	133.94 -0.26 0.00	150.93 1.33 0.00	125.04 0.87 0.00
MECO_____69_KV_BK1 80468	158.44 11.23 0.00	151.09 10.56 0.00	126.17 8.93 0.00	149.66 10.59 0.00	156.39 11.44 0.00	156.92 12.41 0.00	170.51 13.41 -8.77	208.56 12.99 -56.65	222.91 6.85 -139.06	189.68 11.54 -39.09	219.04 15.14 -1.27	180.76 7.02 -45.44	107.58 3.68 -11.29	118.53 4.06 -4.95	127.88 4.37 0.00	145.18 6.88 -2.99	160.66 11.31 0.00	206.90 14.50 -28.14	186.17 6.49 -106.47	155.67 9.43 -39.37	172.68 6.53 -90.49	145.56 11.36 0.00	161.95 12.35 0.00	141.19 9.87 -7.14
MENANDS___115KV_TB5 355628	153.55 6.34 0.00	146.73 6.20 0.00	122.34 5.11 0.00	144.64 5.57 0.00	151.22 6.27 0.00	151.56 7.04 0.00	161.70 7.18 -6.19	188.29 6.74 -42.63	203.92 3.66 -123.26	180.95 6.65 -35.26	213.12 9.34 -1.14	175.58 6.29 -41.00	107.51 4.71 -10.18	119.56 5.57 -4.46	129.46 5.95 0.00	144.44 6.43 -2.70	155.70 6.36 0.00	189.51 7.10 -18.16	165.78 3.44 -89.14	139.03 4.92 -27.24	158.61 3.46 -79.49	139.83 5.64 0.00	155.49 5.89 0.00	136.40 5.77 -6.45
MG INDUSTRY___DRP 24185	153.07 5.86 0.00	146.27 5.74 0.00	122.04 4.80 0.00	144.35 5.29 0.00	150.80 5.85 0.00	151.14 6.62 0.00	159.30 6.69 -4.29	178.12 6.19 -33.01	198.71 3.32 -118.39	179.37 5.81 -34.52	211.75 7.99 -1.12	173.64 5.22 -40.13	106.42 3.84 -9.97	118.50 4.61 -4.37	128.38 4.87 0.00	143.55 5.60 -2.64	155.20 5.85 0.00	181.71 6.43 -11.03	156.43 3.08 -80.14	129.69 4.44 -18.38	154.39 3.13 -75.60	139.54 5.35 0.00	155.18 5.58 0.00	135.84 5.36 -6.31

MID___OSWEGATCHIE_HYD 23849	146.52 -0.70 0.00	139.03 -1.50 0.00	115.78 -1.46 0.00	138.51 -0.55 0.00	144.31 -0.64 0.00	142.44 -2.08 0.00	145.60 -2.73 0.00	137.09 -2.08 -0.25	78.10 -1.30 -2.40	137.96 -1.82 -0.73	201.48 -1.18 -0.02	127.99 -1.16 -0.85	91.35 -1.47 -0.21	108.23 -1.39 -0.09	122.09 -1.42 0.00	133.28 -2.08 -0.06	147.74 -1.60 0.00	163.34 -0.91 0.00	73.34 -1.21 -1.34	104.64 -2.23 0.00	75.24 -1.92 -1.49	133.02 -1.17 0.00	150.89 1.29 0.00	125.53 1.22 -0.13
MID___RAQUETTE_HYD 23851	146.40 -0.82 0.00	139.06 -1.46 0.00	116.06 -1.18 0.00	138.59 -0.47 0.00	143.16 -1.79 0.00	139.82 -4.70 0.00	142.12 -6.21 0.00	132.96 -5.97 0.00	73.55 -3.45 0.00	133.64 -5.41 0.00	197.48 -5.15 0.00	124.87 -3.43 0.00	89.77 -2.84 0.00	106.32 -3.21 0.00	120.13 -3.38 0.00	130.86 -4.45 0.00	145.04 -4.30 0.00	160.12 -4.14 0.00	70.54 -2.67 0.00	102.79 -4.08 0.00	72.68 -2.99 0.00	130.77 -3.42 0.00	148.11 -1.49 0.00	123.09 -1.09 0.00
MILLIKEN___1 23584	148.99 1.77 0.00	142.78 2.25 0.00	119.04 1.81 0.00	140.76 1.70 0.00	147.29 2.34 0.00	148.27 3.76 0.00	152.89 4.05 -0.51	147.25 3.90 -4.43	98.57 2.05 -19.52	147.14 2.34 -5.75	212.38 2.01 -7.74	135.47 0.49 -6.69	94.61 0.33 -1.66	111.54 0.13 -1.88	123.57 0.06 0.00	136.69 0.94 -0.44	154.65 2.54 -2.77	210.28 3.32 -42.70	87.32 1.73 -12.37	119.39 2.30 -10.21	89.54 1.58 -12.30	152.47 2.54 -15.74	159.41 2.20 -7.61	127.01 1.79 -1.05
MILLIKEN___2 23585	148.99 1.77 0.00	142.78 2.25 0.00	119.04 1.81 0.00	140.76 1.70 0.00	147.29 2.34 0.00	148.27 3.76 0.00	152.89 4.05 -0.51	147.25 3.90 -4.43	98.57 2.05 -19.52	147.14 2.34 -5.75	212.38 2.01 -7.74	135.47 0.49 -6.69	94.61 0.33 -1.66	111.54 0.13 -1.88	123.57 0.06 0.00	136.69 0.94 -0.44	154.65 2.54 -2.77	210.28 3.32 -42.70	87.32 1.73 -12.37	119.39 2.30 -10.21	89.54 1.58 -12.30	152.47 2.54 -15.74	159.41 2.20 -7.61	127.01 1.79 -1.05
MILLIKEN___DIESEL 23629	148.99 1.77 0.00	142.78 2.25 0.00	119.04 1.81 0.00	140.76 1.70 0.00	147.29 2.34 0.00	148.27 3.76 0.00	152.89 4.05 -0.51	147.25 3.90 -4.43	98.57 2.05 -19.52	147.14 2.34 -5.75	212.38 2.01 -7.74	135.47 0.49 -6.69	94.61 0.33 -1.66	111.54 0.13 -1.88	123.57 0.06 0.00	136.69 0.94 -0.44	154.65 2.54 -2.77	210.28 3.32 -42.70	87.32 1.73 -12.37	119.39 2.30 -10.21	89.54 1.58 -12.30	152.47 2.54 -15.74	159.41 2.20 -7.61	127.01 1.79 -1.05
MILLSEAT___LFGE 323607	137.65 -9.57 0.00	132.93 -7.60 0.00	111.87 -5.37 0.00	131.39 -7.67 0.00	138.60 -6.35 0.00	140.20 -4.32 0.00	142.24 -6.30 -0.21	132.78 -8.76 -2.62	85.98 -4.67 -13.64	133.31 -9.86 -4.13	187.33 -13.59 1.71	123.44 -9.65 -4.79	86.74 -7.07 -1.19	100.67 -9.09 -0.23	113.17 -10.35 0.00	124.32 -11.30 -0.32	137.25 -11.42 0.67	142.31 -12.05 9.89	140.10 -11.42 -72.73	132.32 -8.56 -34.01	78.61 -5.84 -8.78	119.55 -10.66 3.98	135.91 -11.84 1.85	115.99 -8.94 -0.75
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	157.41 10.20 0.00	150.44 9.91 0.00	125.49 8.25 0.00	148.13 9.06 0.00	154.93 9.98 0.00	155.75 11.23 0.00	162.10 11.71 -2.06	170.66 11.76 -19.98	179.55 6.55 -95.99	178.71 11.12 -28.54	218.13 14.57 -0.93	171.48 10.01 -33.18	108.06 7.20 -8.24	121.26 8.12 -3.61	132.33 8.81 0.00	147.21 9.72 -2.18	159.63 10.28 0.00	178.32 10.66 -3.40	138.74 5.25 -60.28	122.83 7.74 -8.21	142.02 5.70 -60.65	264.78 10.07 -120.51	164.54 10.60 -4.33	143.28 9.50 -9.60
MILLWOOD_13_KV_LOAD 356217	157.67 10.45 0.00	150.70 10.16 0.00	125.64 8.40 0.00	148.38 9.32 0.00	155.13 10.18 0.00	156.01 11.49 0.00	162.40 12.01 -2.06	170.93 12.03 -19.98	179.70 6.71 -95.99	178.98 11.40 -28.54	218.52 14.96 -0.93	171.72 10.24 -33.18	108.24 7.38 -8.24	121.43 8.29 -3.61	132.56 9.05 0.00	147.45 9.96 -2.18	159.90 10.56 0.00	178.66 11.00 -3.40	138.90 5.41 -60.28	123.05 7.96 -8.21	142.17 5.85 -60.65	265.01 10.31 -120.51	164.80 10.86 -4.33	143.49 9.71 -9.60
MODEL_CITY_ENERGY 24167	131.96 -15.25 0.00	127.77 -12.76 0.00	107.71 -9.53 0.00	126.43 -12.63 0.00	133.45 -11.50 0.00	134.97 -9.55 0.00	135.93 -12.60 -0.20	125.93 -15.69 -2.70	82.90 -8.46 -14.35	127.02 -16.38 -4.36	178.87 -21.82 1.94	118.85 -14.50 -5.06	83.48 -10.40 -1.26	96.69 -13.06 -0.23	108.21 -15.30 0.00	118.50 -17.14 -0.33	130.04 -18.55 0.76	132.67 -20.35 11.24	116.23 -9.64 -52.66	115.51 -13.96 -22.60	75.40 -9.55 -9.28	112.79 -16.85 4.55	129.14 -18.37 2.09	110.91 -14.06 -0.79
MODERN_LFGE___ 323580	131.96 -15.25 0.00	127.77 -12.76 0.00	107.71 -9.53 0.00	126.43 -12.63 0.00	133.45 -11.50 0.00	134.97 -9.55 0.00	135.93 -12.60 -0.20	125.93 -15.69 -2.70	82.90 -8.46 -14.35	127.02 -16.38 -4.36	178.87 -21.82 1.94	118.85 -14.50 -5.06	83.48 -10.40 -1.26	96.69 -13.06 -0.23	108.21 -15.30 0.00	118.50 -17.14 -0.33	130.04 -18.55 0.76	132.67 -20.35 11.24	116.23 -9.64 -52.66	115.51 -13.96 -22.60	75.40 -9.55 -9.28	112.79 -16.85 4.55	129.14 -18.37 2.09	110.91 -14.06 -0.79
MOHAWK_PAPER___DRP 24187	154.27 7.05 0.00	147.36 6.83 0.00	122.91 5.67 0.00	145.31 6.25 0.00	151.90 6.95 0.00	152.29 7.78 0.00	162.73 8.00 -6.40	190.23 7.61 -43.70	204.92 4.14 -123.77	181.83 7.44 -35.34	214.23 10.44 -1.15	176.29 6.91 -41.08	107.90 5.08 -10.20	120.00 6.00 -4.47	129.99 6.47 0.00	145.11 7.10 -2.70	156.54 7.19 0.00	191.35 8.13 -18.96	167.23 3.89 -90.13	140.71 5.61 -28.24	159.56 3.99 -79.91	140.77 6.57 0.00	156.47 6.86 0.00	137.10 6.47 -6.46
MOHICAN___35_KV_115KV_LD 80490	159.75 12.53 0.00	152.30 11.77 0.00	126.90 9.66 0.00	150.10 11.03 0.00	156.93 11.98 0.00	158.15 13.63 0.00	171.56 14.36 -8.88	209.44 14.31 -56.20	214.49 7.64 -129.84	188.41 13.13 -36.23	221.93 18.12 -1.18	181.25 10.84 -42.11	110.28 7.20 -10.46	122.67 8.56 -4.58	133.15 9.64 0.00	149.50 11.42 -2.77	162.57 13.23 0.00	207.81 15.28 -28.27	181.96 7.04 -101.71	156.92 10.25 -39.80	167.76 7.29 -84.80	146.20 12.01 0.00	162.32 12.72 0.00	141.95 11.15 -6.62
MONGAUP___HYD 23641	155.83 8.61 0.00	149.93 9.40 0.00	125.20 7.96 0.00	147.94 8.88 0.00	154.43 9.48 0.00	153.98 9.46 0.00	160.18 9.96 -1.89	167.40 10.13 -18.35	170.90 5.65 -88.25	174.67 9.39 -26.24	216.68 13.20 -0.85	167.54 8.74 -30.50	106.41 6.22 -7.58	119.88 7.03 -3.32	130.68 7.16 0.00	144.39 7.08 -2.01	157.50 8.15 0.00	176.72 9.35 -3.11	133.29 4.68 -55.40	121.27 6.86 -7.54	136.45 5.03 -55.76	118.58 8.78 24.39	158.94 10.21 0.88	136.52 8.52 -3.83
MONTAUK___DIESEL 23721	167.92 19.51 -1.20	161.51 19.66 -1.32	156.52 17.09 -22.20	163.23 20.35 -3.82	167.48 21.42 -1.11	168.87 23.04 -1.30	177.80 24.67 -4.80	275.42 23.58 -112.91	257.47 11.69 -168.78	189.80 21.09 -29.66	229.08 24.27 -2.18	207.82 18.93 -60.59	159.99 14.00 -53.37	155.50 15.06 -30.92	161.63 16.68 -21.43	160.60 18.98 -6.31	210.34 21.80 -39.19	196.45 23.25 -8.94	169.06 10.94 -84.92	171.34 15.45 -49.02	164.45 10.33 -78.46	183.16 18.55 -30.42	172.16 21.78 -0.78	155.81 18.36 -13.27
MOONROAD_115KV_HARTFLD_TB1-2 355988	133.28 -13.93 0.00	129.16 -11.37 0.00	108.69 -8.55 0.00	127.46 -11.60 0.00	134.92 -10.03 0.00	136.89 -7.63 0.00	140.25 -8.32 -0.24	130.42 -11.67 -3.17	87.39 -6.06 -16.46	132.51 -11.51 -4.98	185.97 -14.04 2.63	125.20 -8.89 -5.79	87.59 -6.47 -1.44	101.04 -8.70 -0.20	112.53 -10.98 0.00	125.18 -10.51 -0.38	138.81 -9.52 1.02	138.46 -10.58 15.21	77.81 -6.01 -10.61	95.56 -9.65 1.67	79.34 -6.94 -10.61	116.40 -11.72 6.07	134.39 -12.39 2.81	114.57 -10.51 -0.91

MORRIS_RIDGE___SOLAR 323848	136.25 -10.96 0.00	131.39 -9.14 0.00	110.21 -7.03 0.00	130.06 -9.00 0.00	136.95 -8.00 0.00	138.37 -6.15 0.00	140.92 -7.00 0.41	132.00 -8.41 -1.49	89.40 -4.88 -17.27	133.55 -11.20 -5.70	183.19 -15.71 3.73	123.57 -11.35 -6.63	85.64 -8.63 -1.65	98.62 -11.03 -0.12	111.76 -11.75 0.00	124.22 -11.52 -0.44	137.29 -10.63 1.43	132.28 -11.11 20.86	80.59 -4.80 -12.18	97.32 -7.05 2.51	82.91 -4.92 -12.16	114.86 -9.51 9.83	134.49 -11.17 3.94	116.25 -8.96 -1.04
MORTIMER_115KV_TB3 55949	140.40 -6.82 0.00	135.00 -5.53 0.00	113.11 -4.13 0.00	133.42 -5.64 0.00	140.14 -4.81 0.00	141.12 -3.40 0.00	143.99 -4.34 0.00	134.63 -5.51 -1.21	85.64 -2.87 -11.50	136.22 -6.34 -3.52	192.47 -8.89 1.28	126.35 -6.03 -4.09	89.27 -4.36 -1.02	104.18 -5.58 -0.23	116.97 -6.55 0.00	128.56 -7.01 -0.27	141.57 -7.27 0.51	148.76 -7.80 7.69	84.32 -3.70 -14.81	104.37 -5.56 -3.05	79.16 -3.66 -7.16	124.32 -7.00 2.88	140.34 -7.86 1.40	118.85 -5.96 -0.64
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	159.13 11.91 0.00	152.05 11.52 0.00	126.78 9.54 0.00	149.65 10.59 0.00	156.59 11.63 0.00	157.50 12.99 0.00	164.04 13.64 -2.07	172.60 13.58 -20.10	181.16 7.58 -96.58	180.76 13.00 -28.71	220.77 17.21 -0.93	173.54 11.87 -33.38	109.52 8.61 -8.29	122.79 9.63 -3.63	134.00 10.49 0.00	149.00 11.49 -2.20	161.37 12.02 0.00	180.04 12.37 -3.42	139.96 6.11 -60.64	124.18 9.05 -8.26	143.31 6.63 -61.02	167.48 11.77 -21.51	162.83 12.46 -0.77	141.22 10.97 -6.08
MUNSVILLE_WIND_PWR 323609	157.29 10.08 0.00	150.00 9.47 0.00	125.47 8.23 0.00	147.33 8.26 0.00	154.59 9.64 0.00	156.58 12.06 0.00	163.73 14.43 -0.98	161.58 14.84 -7.82	115.13 7.84 -30.29	160.13 12.22 -8.87	221.89 15.17 -4.09	147.50 8.89 -10.31	102.26 7.08 -2.56	119.60 8.37 -1.70	132.78 9.27 0.00	148.08 12.10 -0.68	167.97 17.23 -1.39	206.70 19.38 -23.07	101.56 8.38 -19.97	127.65 12.67 -8.11	104.05 9.16 -19.23	157.81 15.68 -7.94	168.52 15.09 -3.83	137.71 11.92 -1.62
N SALMON___HYD 24042	149.25 2.03 0.00	141.59 1.06 0.00	118.52 1.28 0.00	141.49 2.42 0.00	146.59 1.63 0.00	144.42 -0.09 0.00	148.16 -0.18 0.00	138.49 -0.43 0.00	76.50 -0.50 0.00	139.13 0.08 0.00	204.67 2.03 0.00	129.19 0.90 0.00	93.22 0.60 0.00	110.22 0.70 0.00	124.42 0.91 0.00	136.08 0.78 0.00	150.86 1.51 0.00	166.29 2.03 0.00	73.13 -0.08 0.00	106.21 -0.66 0.00	75.15 -0.51 0.00	133.84 -0.36 0.00	150.87 1.27 0.00	125.26 1.08 0.00
N.AKRON__115KV_KNAPP 355671	136.25 -10.97 0.00	131.69 -8.83 0.00	110.70 -6.53 0.00	130.20 -8.86 0.00	137.39 -7.56 0.00	138.95 -5.57 0.00	140.77 -7.77 -0.21	131.15 -10.42 -2.64	85.27 -5.55 -13.82	131.75 -11.48 -4.19	185.25 -15.63 1.75	122.54 -10.62 -4.86	86.09 -7.73 -1.21	99.85 -9.90 -0.23	111.96 -11.55 0.00	123.04 -12.58 -0.32	135.54 -13.12 0.69	139.98 -14.15 10.12	144.45 -6.94 -78.18	133.69 -10.08 -36.89	77.76 -6.81 -8.91	117.69 -12.42 4.09	134.22 -13.49 1.89	114.69 -10.25 -0.76
N.BELMOR_69_KV_BK1 55787	167.06 13.14 -6.71	161.05 13.13 -7.39	158.91 11.19 -30.48	162.50 12.49 -10.94	164.21 13.31 -5.95	166.29 14.46 -7.31	174.62 15.44 -10.85	268.31 15.36 -114.03	254.35 8.57 -168.78	187.56 14.43 -34.09	228.83 18.28 -7.92	205.84 13.15 -64.39	165.75 9.66 -63.48	161.97 10.97 -41.48	165.30 12.04 -29.74	154.77 13.15 -6.31	202.60 14.07 -39.19	211.55 14.72 -32.57	206.12 7.19 -125.72	166.42 10.53 -49.02	161.78 7.66 -78.46	178.04 13.43 -30.42	164.77 14.38 -0.78	149.93 12.49 -13.27
N.E_GEN_SANDY PD 24062	153.89 8.23 1.56	148.46 7.93 0.00	123.75 6.51 0.00	146.23 7.17 0.00	152.82 7.86 0.00	154.12 8.87 -0.73	158.77 9.00 -1.45	175.68 8.99 -27.76	185.90 4.90 -104.00	179.89 8.58 -32.26	211.95 11.70 2.38	171.96 8.03 -35.63	107.70 5.78 -9.32	120.43 6.82 -4.08	130.15 7.48 0.84	149.16 8.07 -5.79	157.03 7.79 0.11	182.09 8.74 -9.09	137.75 4.28 -60.26	127.47 6.37 -14.22	150.78 4.79 -70.33	144.26 7.84 -2.23	158.28 8.43 -0.24	135.38 8.00 -3.21
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	156.91 9.69 0.00	149.91 9.38 0.00	125.03 7.80 0.00	147.61 8.55 0.00	154.41 9.46 0.00	155.25 10.74 0.00	161.52 11.19 -1.99	169.61 11.32 -19.37	176.43 6.30 -93.13	177.31 10.58 -27.69	217.23 13.70 -0.90	169.88 9.39 -32.19	107.19 6.58 -8.00	120.34 7.31 -3.50	131.47 7.96 0.00	146.30 8.87 -2.12	158.86 9.51 0.00	177.59 10.05 -3.29	136.56 4.88 -58.48	122.00 7.17 -7.96	139.81 5.30 -58.85	106.08 8.99 37.10	157.96 9.69 1.33	135.30 7.56 -3.56
N.QUEENS_27_KV_LOAD 356247	159.44 12.22 -0.01	152.53 11.99 0.00	127.14 9.89 -0.01	150.01 10.94 -0.01	156.98 12.02 -0.01	157.83 13.31 -0.01	163.90 13.50 -2.08	172.56 13.53 -20.10	181.17 7.58 -96.58	180.82 13.06 -28.72	222.76 17.10 -3.03	173.65 11.98 -33.38	109.42 8.51 -8.29	122.50 9.34 -3.64	133.75 10.23 -0.01	149.01 11.50 -2.20	161.21 11.85 -0.01	179.92 12.24 -3.42	139.94 6.09 -60.64	124.17 9.03 -8.26	143.34 6.65 -61.02	167.48 11.74 -21.54	162.68 12.30 -0.77	141.16 10.90 -6.08
N.TROY___115KV_TB1 355778	154.95 7.74 0.00	147.95 7.42 0.00	123.33 6.09 0.00	145.85 6.79 0.00	152.46 7.51 0.00	152.86 8.34 0.00	164.54 8.64 -7.57	196.85 8.38 -49.54	207.46 4.52 -125.94	182.49 7.90 -35.54	214.80 11.01 -11.15	176.91 7.30 -41.32	108.02 5.14 -10.26	120.11 6.09 -4.50	130.20 6.69 0.00	145.40 7.38 -2.72	156.94 7.59 0.00	196.37 8.72 -23.39	172.57 4.13 -95.23	146.66 6.07 -33.72	161.89 4.44 -81.79	141.41 7.21 0.00	157.30 7.70 0.00	137.84 7.17 -6.50
NARROWS_GT1_1 24228	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_2 24229	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_3 24230	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_4 24231	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50

NARROWS_GT1_5 24232	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_6 24233	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_7 24234	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT1_8 24235	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_1 24236	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_2 24237	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_3 24238	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_4 24239	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_5 24240	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_6 24241	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_7 24242	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NARROWS_GT2_8 24243	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	293.15 13.77 -140.34	452.73 18.39 -231.71	465.11 12.70 -324.11	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	680.55 12.36 -532.88	622.52 13.13 -460.04	564.40 13.36 -386.78	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	157.68 10.47 0.00	150.65 10.12 0.00	125.65 8.41 0.00	148.66 9.59 0.00	155.43 10.48 0.00	156.02 11.50 0.00	164.60 12.12 -4.15	182.25 11.33 -31.99	197.98 6.23 -114.76	183.42 10.92 -33.46	219.21 15.50 -1.09	176.64 9.46 -38.89	109.08 6.80 -9.66	121.74 7.97 -4.23	132.15 8.64 0.00	147.78 9.92 -2.56	160.59 11.24 0.00	187.96 13.01 -10.70	156.87 5.96 -77.69	133.27 8.57 -17.84	154.81 5.86 -73.28	144.20 10.00 0.00	159.95 10.35 0.00	139.33 9.04 -6.12
NCHELSEA_115KV_TR2 355582	158.77 11.56 0.00	151.76 11.23 0.00	126.57 9.33 0.00	149.47 10.41 0.00	156.24 11.28 0.00	157.11 12.59 0.00	163.58 13.16 -2.10	172.25 13.10 -20.23	181.01 7.29 -96.72	180.28 12.48 -28.75	220.25 16.68 -0.93	172.79 11.07 -33.42	108.89 7.97 -8.30	122.29 9.12 -3.64	133.52 10.01 0.00	148.60 11.09 -2.20	161.20 11.85 0.00	180.37 12.60 -3.51	140.15 6.13 -60.81	124.27 9.02 -8.38	143.37 6.58 -61.12	145.60 11.41 0.00	161.65 12.04 0.00	139.81 10.39 -5.25
NEG CAPITAL___MECHNVIL 23645	157.32 10.11 0.00	150.21 9.69 0.00	125.17 7.93 0.00	148.07 9.01 0.00	154.80 9.84 0.00	155.48 10.96 0.00	168.42 11.61 -8.48	204.37 11.29 -54.16	211.61 6.04 -128.56	185.55 10.51 -35.99	218.39 14.58 -1.17	179.30 9.16 -41.84	109.34 6.33 -10.39	121.47 7.39 -4.56	131.78 8.27 0.00	147.55 9.49 -2.76	160.05 10.70 0.00	203.30 12.27 -26.78	178.60 5.71 -99.68	153.08 8.27 -37.94	165.43 5.94 -83.83	144.04 9.84 0.00	160.06 10.46 0.00	139.96 9.20 -6.58

NEG CENTRAL_HIGH_ACRES 23767	139.71 -7.50 0.00	134.29 -6.24 0.00	112.42 -4.82 0.00	132.68 -6.38 0.00	139.29 -5.66 0.00	140.18 -4.34 0.00	143.37 -4.96 0.00	134.33 -5.77 -1.17	84.89 -3.22 -11.11	135.51 -6.93 -3.40	192.01 -9.72 0.91	125.60 -6.64 -3.95	88.80 -4.80 -0.98	103.72 -6.08 -0.27	116.43 -7.08 0.00	128.07 -7.49 -0.26	141.23 -7.74 0.37	150.19 -8.42 5.64	75.55 -3.85 -6.19	99.91 -5.84 1.12	78.55 -4.03 -6.91	124.52 -7.56 2.11	139.90 -8.67 1.03	118.04 -6.76 -0.62
NEG CENTRAL___DRP 24199	144.30 -2.91 0.00	138.50 -2.03 0.00	115.59 -1.65 0.00	136.73 -2.33 0.00	143.26 -1.69 0.00	144.26 -0.26 0.00	148.39 -0.27 -0.34	141.15 -0.61 -2.84	89.29 -0.41 -12.69	140.43 -2.35 -3.73	197.38 -3.76 1.49	129.50 -3.13 -4.34	91.51 -2.18 -1.08	106.61 -3.15 -0.23	120.03 -3.48 0.00	132.71 -2.88 -0.29	146.61 -2.15 0.59	153.56 -1.96 8.73	80.56 -0.57 -7.92	104.88 -1.24 0.75	82.76 -0.85 -7.94	128.94 -2.03 3.22	145.06 -2.92 1.62	122.57 -2.28 -0.68
NEG CENTRAL___INDECK 23768	144.59 -2.63 0.00	139.01 -1.52 0.00	116.61 -0.63 0.00	137.43 -1.63 0.00	144.90 -0.05 0.00	143.57 -0.94 0.00	145.30 -4.01 -0.99	139.83 -4.57 -5.48	93.12 -1.94 -18.06	135.69 -8.30 -4.95	186.23 -13.01 3.40	124.51 -9.54 -5.75	86.75 -7.29 -1.43	100.58 -9.03 -0.08	114.16 -9.35 0.00	126.88 -8.80 -0.38	140.77 -7.27 1.30	138.37 -6.43 19.45	81.19 -2.56 -10.55	100.84 -3.52 2.51	86.20 0.00 -10.54	126.51 -1.53 6.15	143.11 -2.91 3.58	122.74 -2.34 -0.90
NEG CENTRAL___SENECA 23627	143.81 -3.40 0.00	138.13 -2.40 0.00	115.35 -1.89 0.00	136.38 -2.69 0.00	143.10 -1.85 0.00	144.21 -0.31 0.00	148.43 -0.30 -0.40	141.39 -0.78 -3.26	90.60 -0.56 -14.16	140.24 -2.95 -4.14	195.08 -4.64 2.92	129.16 -3.95 -4.82	91.05 -2.76 -1.20	105.53 -4.05 -0.06	119.14 -4.37 0.00	131.98 -3.64 -0.32	145.51 -2.72 1.12	144.85 -2.73 16.68	81.23 -0.80 -8.81	102.96 -1.71 2.20	83.35 -1.14 -8.83	125.32 -2.73 6.14	142.68 -3.85 3.07	121.92 -3.01 -0.75
NEG CENTRAL___STATE_STREET 24147	146.04 -1.17 0.00	140.33 -0.20 0.00	116.77 -0.47 0.00	138.14 -0.93 0.00	144.53 -0.42 0.00	145.71 1.19 0.00	149.52 0.91 -0.27	142.30 0.77 -2.60	89.65 0.39 -12.26	142.09 -0.59 -3.64	202.07 -1.57 -1.01	130.98 -1.55 -4.23	92.54 -1.13 -1.05	108.59 -1.53 -0.60	121.68 -1.84 0.00	134.26 -1.32 -0.28	149.07 -0.60 -0.33	169.61 0.25 -5.11	81.25 0.30 -7.73	109.04 0.19 -1.98	83.51 0.09 -7.75	135.91 -0.13 -1.85	149.89 -0.60 -0.90	124.45 -0.39 -0.66
NEG MILLWOOD___DRP 24198	159.93 12.71 0.00	152.85 12.32 0.00	127.51 10.27 0.00	150.55 11.48 0.00	157.40 12.46 0.00	158.34 13.82 0.00	164.95 14.52 -2.10	173.66 14.37 -20.37	182.58 7.97 -97.61	181.78 13.72 -29.02	221.82 18.24 -0.94	174.12 12.09 -33.73	109.76 8.76 -8.38	123.18 9.98 -3.67	134.41 10.89 0.00	149.52 11.99 -2.22	162.18 12.84 0.00	181.47 13.71 -3.51	141.23 6.68 -61.33	125.13 9.84 -8.41	144.51 7.17 -61.68	153.58 12.53 -6.85	163.05 13.20 -0.25	141.23 11.49 -5.57
NEG NORTH_FLCN_SEA 23793	147.49 0.27 0.00	139.61 -0.92 0.00	117.06 -0.18 0.00	139.74 0.67 0.00	145.21 0.25 0.00	143.76 -0.76 0.00	147.47 -0.86 0.00	137.94 -0.98 0.00	76.20 -0.80 0.00	138.52 -0.53 0.00	203.33 0.70 0.00	128.36 0.06 0.00	92.59 -0.02 0.00	109.69 0.16 0.00	123.80 0.29 0.00	135.78 0.48 0.00	150.33 0.98 0.00	165.28 1.02 0.00	72.58 -0.63 0.00	105.04 -1.83 0.00	74.42 -1.24 0.00	132.18 -2.02 0.00	149.04 -0.56 0.00	124.33 0.15 0.00
NEG NORTH_KES_CHATEGAY 23792	146.49 -0.72 0.00	138.86 -1.67 0.00	116.34 -0.90 0.00	138.91 -0.15 0.00	144.11 -0.85 0.00	142.14 -2.37 0.00	145.92 -2.41 0.00	136.40 -2.52 0.00	75.33 -1.67 0.00	137.07 -1.98 0.00	201.41 -1.23 0.00	127.14 -1.16 0.00	91.88 -0.73 0.00	108.82 -0.70 0.00	122.88 -0.64 0.00	134.47 -0.84 0.00	148.92 -0.43 0.00	164.04 -0.21 0.00	72.09 -1.12 0.00	104.53 -2.35 0.00	74.01 -1.65 0.00	131.59 -2.60 0.00	148.22 -1.38 0.00	123.07 -1.11 0.00
NEG NORTH___ALICE_FALLS 23915	148.85 1.64 0.00	140.96 0.43 0.00	118.15 0.91 0.00	141.02 1.96 0.00	146.52 1.57 0.00	145.06 0.54 0.00	148.97 0.64 0.00	139.33 0.40 0.00	76.92 -0.08 0.00	139.79 0.75 0.00	205.16 2.52 0.00	129.41 1.11 0.00	93.37 0.76 0.00	110.60 1.07 0.00	124.79 1.28 0.00	136.94 1.63 0.00	151.71 2.36 0.00	167.08 2.83 0.00	73.45 0.24 0.00	106.33 -0.54 0.00	75.26 -0.40 0.00	133.66 -0.54 0.00	150.59 0.99 0.00	125.40 1.23 0.00
NEG NORTH___LWR_SARANAC 23913	148.85 1.64 0.00	140.96 0.43 0.00	118.15 0.91 0.00	141.02 1.96 0.00	146.52 1.57 0.00	145.06 0.54 0.00	148.97 0.64 0.00	139.33 0.40 0.00	76.92 -0.08 0.00	139.79 0.75 0.00	205.16 2.52 0.00	129.41 1.11 0.00	93.37 0.76 0.00	110.60 1.07 0.00	124.79 1.28 0.00	136.94 1.63 0.00	151.71 2.36 0.00	167.08 2.83 0.00	73.45 0.24 0.00	106.33 -0.54 0.00	75.26 -0.40 0.00	133.66 -0.54 0.00	150.59 0.99 0.00	125.40 1.23 0.00
NEG NORTH___PLATTSBURG 23628	148.86 1.64 0.00	140.96 0.43 0.00	118.14 0.90 0.00	141.02 1.96 0.00	146.53 1.58 0.00	145.06 0.54 0.00	148.97 0.64 0.00	139.33 0.40 0.00	76.92 -0.08 0.00	139.79 0.75 0.00	205.15 2.52 0.00	129.39 1.10 0.00	93.37 0.76 0.00	110.59 1.06 0.00	124.79 1.28 0.00	136.94 1.63 0.00	151.71 2.36 0.00	167.07 2.82 0.00	73.44 0.23 0.00	106.33 -0.54 0.00	75.28 -0.39 0.00	133.67 -0.52 0.00	150.59 0.99 0.00	125.39 1.22 0.00
NEG WEST_LEA_LOCKPORT 23791	132.06 -15.14 0.01	127.83 -12.70 0.00	107.55 -9.69 0.00	126.44 -12.62 0.00	133.44 -11.51 0.00	134.95 -9.57 0.00	136.33 -12.14 -0.14	126.65 -14.86 -2.59	83.15 -8.01 -14.15	127.55 -15.77 -4.28	178.78 -21.31 2.55	119.31 -13.99 -5.00	83.78 -10.08 -1.24	96.97 -12.75 -0.19	108.56 -14.95 0.00	119.12 -16.51 -0.33	130.61 -17.73 1.00	129.59 -19.38 15.29	-257.25 -9.31 321.15	-88.60 -13.48 181.99	75.70 -9.12 -9.16	111.63 -16.42 6.15	129.09 -17.77 2.74	111.31 -13.65 -0.78
NEG WEST___LANCASTER 23811	136.93 -10.29 0.00	132.40 -8.14 0.00	111.13 -6.11 0.00	130.78 -8.29 0.00	137.68 -7.27 0.00	138.77 -5.75 0.00	141.38 -7.19 -0.25	133.00 -9.14 -3.22	88.41 -5.30 -16.72	133.38 -10.72 -5.06	186.46 -13.62 2.56	124.37 -9.81 -5.88	87.19 -6.88 -1.46	101.16 -8.59 -0.22	113.72 -9.79 0.00	124.90 -10.79 -0.39	136.88 -11.47 1.00	136.76 -12.67 14.82	77.60 -6.39 -10.78	96.10 -9.20 1.57	80.06 -6.39 -10.78	117.43 -10.84 5.93	134.94 -11.92 2.74	115.64 -9.45 -0.92
NEG_PENN_ALLEGHNY 23528	147.61 0.39 0.00	141.55 1.02 0.00	118.15 0.91 0.00	139.75 0.69 0.00	146.05 1.10 0.00	146.69 2.17 0.00	151.31 2.21 -0.77	147.95 2.06 -6.97	109.17 1.00 -31.17	149.17 0.90 -9.23	202.32 0.52 0.83	138.63 -0.38 -10.71	95.12 -0.16 -2.66	110.17 -0.34 -0.99	123.08 -0.43 0.00	136.04 0.03 -0.70	149.36 0.44 0.42	159.15 -0.11 5.00	93.40 0.32 -19.88	109.03 0.31 -1.85	95.56 0.19 -19.71	132.18 0.40 2.41	148.39 -0.04 1.17	125.91 0.06 -1.68
NEG___GEN_MONROE 24207	141.09 -6.12 0.00	135.75 -4.78 0.00	113.80 -3.44 0.00	134.15 -4.91 0.00	140.97 -3.98 0.00	142.13 -2.39 0.00	145.16 -3.43 -0.26	136.63 -4.80 -2.52	86.45 -2.49 -11.95	136.78 -5.82 -3.55	192.79 -8.54 1.30	126.55 -5.87 -4.13	89.28 -4.36 -1.03	104.16 -5.60 -0.23	117.07 -6.44 0.00	128.78 -6.79 -0.27	142.01 -6.82 0.52	149.48 -7.11 7.66	88.75 -3.42 -18.96	107.38 -5.14 -5.64	79.84 -3.38 -7.55	124.77 -6.50 2.93	140.87 -7.30 1.43	119.28 -5.55 -0.65

NEPA__ENERGY 23901	134.83 -12.38 0.00	130.32 -10.21 0.00	109.61 -7.63 0.00	128.81 -10.26 0.00	136.10 -8.85 0.00	137.72 -6.80 0.00	140.17 -8.33 -0.17	130.87 -10.89 -2.84	86.75 -5.88 -15.62	132.02 -11.79 -4.77	185.13 -15.09 2.42	123.79 -10.05 -5.54	86.73 -7.26 -1.38	100.24 -9.49 -0.21	112.06 -11.45 0.00	123.79 -11.89 -0.36	136.43 -11.97 0.94	137.16 -13.06 14.03	76.73 -6.63 -10.16	95.34 -10.03 1.50	78.91 -6.91 -10.16	116.20 -12.26 5.73	133.82 -13.19 2.60	114.46 -10.59 -0.87
NEVERSINK__HYD 23608	156.06 8.85 0.00	149.15 8.62 0.00	124.45 7.21 0.00	147.01 7.95 0.00	153.66 8.71 0.00	154.55 10.04 0.00	160.96 10.65 -1.98	168.40 10.73 -18.75	170.84 6.03 -87.81	175.24 13.22 -26.07	216.69 8.60 -0.85	167.20 16.26 -30.30	106.26 6.11 -7.53	119.76 6.94 -3.30	131.06 7.55 0.00	145.70 8.40 -2.00	158.47 9.12 0.00	177.48 9.73 -3.50	133.51 4.83 -55.47	121.94 7.09 -7.98	136.39 5.21 -55.53	135.59 8.89 7.49	158.64 9.31 0.27	136.29 7.65 -4.46
NEWKRMKL_115KV_TB1 55635	153.30 6.09 0.00	146.46 5.93 0.00	122.16 4.92 0.00	144.38 5.32 0.00	150.94 5.99 0.00	151.35 6.83 0.00	161.23 6.91 -5.99	186.94 6.36 -41.66	203.43 3.42 -123.01	180.56 6.24 -35.27	212.34 8.56 -1.14	175.00 5.70 -41.00	107.22 4.42 -10.19	119.21 5.22 -4.46	129.00 5.49 0.00	143.98 5.98 -2.70	155.28 5.94 0.00	188.17 6.56 -17.36	164.69 3.18 -88.30	137.60 4.47 -26.25	157.96 3.05 -79.24	139.19 5.00 0.00	154.72 5.12 0.00	135.84 5.21 -6.45
NEWTON__FALLS_HYD 23847	146.52 -0.70 0.00	139.03 -1.50 0.00	115.78 -1.46 0.00	138.51 -0.55 0.00	144.31 -0.64 0.00	142.44 -2.08 0.00	145.60 -2.73 0.00	137.09 -2.08 -0.25	78.10 -1.30 -2.40	137.96 -1.82 -0.73	201.48 -1.18 -0.02	127.99 -1.16 -0.85	91.35 -1.47 -0.21	108.23 -1.39 -0.09	122.09 -1.42 0.00	133.28 -2.08 -0.06	147.74 -1.60 0.00	163.34 -0.91 0.00	73.34 -1.21 -1.34	104.64 -2.23 0.00	75.24 -1.92 -1.49	133.02 -1.17 0.00	150.89 1.29 0.00	125.53 1.22 -0.13
NGRID_A1_DSASP 323792	130.72 -16.49 0.00	126.38 -14.15 0.00	106.60 -10.64 0.00	125.10 -13.96 0.00	132.01 -12.93 0.00	133.45 -11.06 0.00	135.13 -13.39 -0.19	125.61 -16.02 -2.71	82.76 -8.69 -14.45	126.65 -16.78 -4.39	178.29 -22.31 2.03	118.58 -14.82 -5.10	83.30 -10.58 -1.27	96.49 -13.26 -0.22	107.97 -15.54 0.00	118.13 -17.50 -0.34	129.56 -18.99 0.80	131.82 -20.60 11.83	72.59 -9.95 -9.33	91.29 -14.41 1.17	75.17 -9.83 -9.34	112.19 -17.21 4.79	128.45 -18.95 2.19	110.57 -14.40 -0.80
NGRID_A2_DSASP 323793	130.72 -16.49 0.00	126.38 -14.15 0.00	106.60 -10.64 0.00	125.10 -13.96 0.00	132.01 -12.93 0.00	133.45 -11.06 0.00	135.13 -13.39 -0.19	125.61 -16.02 -2.71	82.76 -8.69 -14.45	126.65 -16.78 -4.39	178.29 -22.31 2.03	118.58 -14.82 -5.10	83.30 -10.58 -1.27	96.49 -13.26 -0.22	107.97 -15.54 0.00	118.13 -17.50 -0.34	129.56 -18.99 0.80	131.82 -20.60 11.83	72.59 -9.95 -9.33	91.29 -14.41 1.17	75.17 -9.83 -9.34	112.19 -17.21 4.79	128.45 -18.95 2.19	110.57 -14.40 -0.80
NGRID_A4_DSASP 323807	130.72 -16.49 0.00	126.38 -14.15 0.00	106.60 -10.64 0.00	125.10 -13.96 0.00	132.01 -12.93 0.00	133.45 -11.06 0.00	135.13 -13.39 -0.19	125.61 -16.02 -2.71	82.76 -8.69 -14.45	126.65 -16.78 -4.39	178.29 -22.31 2.03	118.58 -14.82 -5.10	83.30 -10.58 -1.27	96.49 -13.26 -0.22	107.97 -15.54 0.00	118.13 -17.50 -0.34	129.56 -18.99 0.80	131.82 -20.60 11.83	72.59 -9.95 -9.33	91.29 -14.41 1.17	75.17 -9.83 -9.34	112.19 -17.21 4.79	128.45 -18.95 2.19	110.57 -14.40 -0.80
NIAGARA_115E_LBMP 323715	131.39 -15.83 0.00	127.29 -13.24 0.00	107.33 -9.90 0.00	125.97 -13.10 0.00	132.98 -11.97 0.00	134.45 -10.06 0.00	135.22 -13.31 -0.20	125.09 -16.56 -2.72	82.55 -8.94 -14.49	126.19 -17.25 -4.40	177.70 -22.93 2.00	118.22 -15.18 -5.11	83.04 -10.84 -1.27	96.15 -13.60 -0.22	107.57 -15.95 0.00	117.76 -17.88 -0.34	129.12 -19.44 0.78	131.20 -21.44 11.62	99.26 -10.12 -36.16	105.68 -14.68 -13.49	75.03 -10.00 -9.37	111.87 -17.61 4.71	128.33 -19.11 2.16	110.32 -14.66 -0.80
NIAGARA_115W_LBMP 323714	130.50 -16.71 0.00	126.16 -14.38 0.00	106.43 -10.81 0.00	124.90 -14.16 0.00	131.81 -13.14 0.00	133.26 -11.26 0.00	134.87 -13.65 -0.19	125.39 -16.24 -2.71	82.61 -8.82 -14.43	126.46 -16.97 -4.38	177.99 -22.62 2.03	118.37 -15.01 -5.09	83.14 -10.74 -1.27	96.35 -13.40 -0.22	107.80 -15.71 0.00	117.97 -17.67 -0.33	129.32 -19.23 0.79	131.62 -20.84 11.79	72.47 -10.05 -9.31	91.15 -14.55 1.17	75.04 -9.95 -9.33	112.01 -17.41 4.77	128.30 -19.12 2.18	110.44 -14.53 -0.80
NIAGARA_230_LBMP 323716	132.19 -15.02 0.00	127.80 -12.73 0.00	107.69 -9.55 0.00	126.41 -12.65 0.00	133.36 -11.59 0.00	134.72 -9.80 0.00	136.37 -12.15 -0.19	127.00 -14.61 -2.69	83.36 -7.90 -14.26	127.99 -15.38 -4.32	180.05 -20.58 2.01	119.74 -13.59 -5.03	84.10 -9.77 -1.25	97.51 -12.24 -0.22	109.18 -14.33 0.00	119.59 -16.04 -0.33	131.15 -17.41 0.79	133.37 -19.18 11.70	53.82 -9.05 10.34	81.80 -13.26 11.82	75.91 -8.96 -9.21	113.52 -15.95 4.73	130.02 -17.42 2.16	111.83 -13.13 -0.79
NIAGARA__115KV_198_GIBSON 55903	130.50 -16.71 0.00	126.15 -14.38 0.00	106.31 -10.93 0.00	124.89 -14.17 0.00	131.82 -13.13 0.00	133.22 -11.29 0.00	134.89 -13.63 -0.19	125.40 -16.23 -2.71	82.65 -8.77 -14.43	126.39 -17.03 -4.38	177.59 -23.02 2.03	118.37 -15.01 -5.09	83.13 -10.75 -1.27	96.33 -13.42 -0.22	107.66 -15.85 0.00	117.93 -17.70 -0.33	129.28 -19.27 0.79	131.60 -20.86 11.79	72.33 -10.20 -9.31	90.97 -14.74 1.17	75.04 -9.96 -9.33	111.82 -17.59 4.77	128.30 -19.12 2.18	110.39 -14.58 -0.80
NIAGARA____ 23760	132.19 -15.02 0.00	127.80 -12.73 0.00	107.69 -9.55 0.00	126.41 -12.65 0.00	133.36 -11.59 0.00	134.72 -9.80 0.00	136.37 -12.15 -0.19	127.02 -14.61 -2.71	83.50 -7.90 -14.40	128.03 -15.38 -4.37	180.05 -20.58 2.01	119.78 -13.59 -5.08	84.11 -9.77 -1.26	97.51 -12.24 -0.22	109.18 -14.33 0.00	119.60 -16.04 -0.33	131.15 -17.41 0.79	133.39 -19.18 11.68	73.91 -9.05 -9.75	92.30 -13.26 1.32	76.01 -8.96 -9.31	113.52 -15.95 4.73	130.02 -17.42 2.16	111.84 -13.13 -0.80
NINE_MILE_1 23575	141.41 -5.81 0.00	135.20 -5.33 0.00	112.88 -4.36 0.00	133.65 -5.41 0.00	139.64 -5.31 0.00	139.81 -4.71 0.00	143.49 -4.84 0.00	134.90 -4.63 -0.61	80.24 -2.54 -5.78	135.91 -4.90 -1.77	195.31 -7.38 -0.06	125.45 -4.90 -2.05	89.56 -3.56 -0.51	105.48 -4.27 -0.22	118.58 -4.93 0.00	130.22 -5.23 -0.13	143.82 -5.53 0.00	158.18 -6.07 0.00	73.82 -2.61 -3.22	102.95 -3.92 0.00	76.51 -2.76 -3.60	129.15 -5.05 0.00	143.88 -5.72 0.00	119.87 -4.63 -0.32
NINE_MILE_2 23744	141.41 -5.81 0.00	135.20 -5.33 0.00	112.88 -4.36 0.00	133.66 -5.40 0.00	139.64 -5.31 0.00	139.82 -4.70 0.00	143.49 -4.84 0.00	134.90 -4.63 -0.61	80.24 -2.53 -5.77	135.92 -4.88 -1.76	195.31 -7.38 -0.06	125.46 -4.89 -2.05	89.56 -3.56 -0.51	105.49 -4.26 -0.22	118.60 -4.91 0.00	130.23 -5.21 -0.13	143.82 -5.53 0.00	158.20 -6.06 0.00	73.82 -2.61 -3.21	102.96 -3.91 0.00	76.51 -2.75 -3.59	129.16 -5.03 0.00	143.89 -5.71 0.00	119.87 -4.63 -0.32
NM_CAPITAL__DRP 24208	153.34 6.13 0.00	146.51 5.98 0.00	122.18 4.94 0.00	144.44 5.38 0.00	150.97 6.02 0.00	151.38 6.86 0.00	161.18 6.93 -5.92	186.63 6.45 -41.26	203.11 3.50 -122.61	180.58 6.37 -35.17	212.61 8.84 -1.14	175.16 5.98 -40.89	107.29 4.52 -10.16	119.34 5.36 -4.45	129.18 5.67 0.00	144.12 6.13 -2.69	155.38 6.03 0.00	188.12 6.74 -17.12	164.34 3.26 -87.86	137.50 4.67 -25.95	157.86 3.24 -78.96	139.53 5.34 0.00	155.10 5.50 0.00	136.11 5.50 -6.43

NM_CENTRAL___DRP 24181	144.39 -2.83 0.00	138.13 -2.40 0.00	115.26 -1.98 0.00	136.42 -2.64 0.00	142.67 -2.28 0.00	143.13 -1.39 0.00	147.01 -1.32 0.00	138.58 -1.22 -0.87	84.63 -0.67 -8.29	139.79 -1.79 -2.54	199.52 -3.20 -0.08	128.96 -2.28 -2.95	91.65 -1.70 -0.73	107.77 -2.08 -0.32	121.09 -2.42 0.00	133.10 -2.40 -0.19	147.16 -2.19 0.00	161.81 -2.45 0.00	76.88 -0.95 -4.62	105.31 -1.56 0.00	79.72 -1.11 -5.16	132.10 -2.10 0.00	146.97 -2.63 0.00	122.53 -2.11 -0.46
NM_FRONTIER___DRP 24179	130.50 -16.71 0.00	126.15 -14.38 0.00	106.31 -10.93 0.00	124.89 -14.17 0.00	131.82 -13.13 0.00	133.22 -11.29 0.00	134.89 -13.63 -0.19	125.40 -16.23 -2.71	82.65 -8.77 -14.43	126.39 -17.03 -4.38	177.59 -23.02 2.03	118.37 -15.01 -5.09	83.13 -10.75 -1.27	96.33 -13.42 -0.22	107.66 -15.85 0.00	117.93 -17.70 -0.33	129.28 -19.27 0.79	131.60 -20.86 11.79	72.33 -10.20 -9.31	90.97 -14.74 1.17	75.04 -9.96 -9.33	111.82 -17.59 4.77	128.30 -19.12 2.18	110.39 -14.58 -0.80
NM_ST_REGIS___HYD 24053	147.20 -0.01 0.00	139.76 -0.78 0.00	116.75 -0.49 0.00	139.40 0.34 0.00	144.11 -0.84 0.00	141.07 -3.45 0.00	143.72 -4.62 0.00	134.40 -4.52 0.00	74.31 -2.69 0.00	135.10 -3.94 0.00	199.42 -3.21 0.00	126.01 -2.29 0.00	90.70 -1.91 0.00	107.37 -2.16 0.00	121.28 -2.23 0.00	132.27 -3.03 0.00	146.59 -2.76 0.00	161.79 -2.47 0.00	71.23 -1.98 0.00	103.69 -3.18 0.00	73.31 -2.35 0.00	131.57 -2.63 0.00	148.87 -0.73 0.00	123.65 -0.52 0.00
NORTHPORT___1 23551	158.96 10.73 -1.01	152.91 11.26 -1.12	149.08 9.92 -21.92	153.66 11.01 -3.59	157.43 11.53 -0.95	158.00 12.37 -1.11	166.45 13.52 -4.60	265.35 13.55 -112.88	253.15 7.37 -168.78	180.76 12.20 -29.52	218.19 13.57 -1.99	199.83 11.07 -60.47	154.03 8.37 -53.04	149.58 9.48 -30.57	154.99 10.32 -21.16	152.72 11.10 -6.31	200.16 11.62 -39.19	183.99 11.57 -8.16	162.61 5.84 -83.56	164.54 8.65 -49.02	160.63 6.50 -78.46	176.03 11.42 -30.42	162.67 12.28 -0.78	148.54 11.10 -13.27
NORTHPORT___2 23552	158.96 10.73 -1.01	152.91 11.26 -1.12	149.08 9.92 -21.92	153.66 11.01 -3.59	157.43 11.53 -0.95	158.00 12.37 -1.11	166.45 13.52 -4.60	265.35 13.55 -112.88	253.15 7.37 -168.78	180.76 12.20 -29.52	218.19 13.57 -1.99	199.83 11.07 -60.47	154.03 8.37 -53.04	149.58 9.48 -30.57	154.99 10.32 -21.16	152.72 11.10 -6.31	200.16 11.62 -39.19	183.99 11.57 -8.16	162.61 5.84 -83.56	164.54 8.65 -49.02	160.63 6.50 -78.46	176.03 11.42 -30.42	162.67 12.28 -0.78	148.54 11.10 -13.27
NORTHPORT___3 23553	157.94 9.74 -0.98	151.82 10.21 -1.08	148.16 9.05 -21.87	152.59 9.97 -3.54	156.52 10.65 -0.92	157.04 11.45 -1.07	165.40 12.51 -4.56	264.38 12.59 -112.87	252.68 6.90 -168.78	179.94 11.41 -29.49	217.24 12.65 -1.95	198.84 10.10 -60.44	153.27 7.67 -52.98	148.80 8.77 -30.51	154.17 9.55 -21.11	151.85 10.23 -6.31	199.18 10.64 -39.19	182.92 10.64 -8.03	161.88 5.35 -83.33	163.92 8.03 -49.02	160.12 6.00 -78.46	175.13 10.51 -30.42	161.66 11.27 -0.78	147.79 10.34 -13.27
NORTHPORT___4 23650	157.94 9.74 -0.98	151.82 10.21 -1.08	148.16 9.05 -21.87	152.59 9.97 -3.54	156.52 10.65 -0.92	157.04 11.45 -1.07	165.40 12.51 -4.56	264.38 12.59 -112.87	252.68 6.90 -168.78	179.94 11.41 -29.49	217.24 12.65 -1.95	198.84 10.10 -60.44	153.27 7.67 -52.98	148.80 8.77 -30.51	154.17 9.55 -21.11	151.85 10.23 -6.31	199.18 10.64 -39.19	182.92 10.64 -8.03	161.88 5.35 -83.33	163.92 8.03 -49.02	160.12 6.00 -78.46	175.13 10.51 -30.42	161.66 11.27 -0.78	147.79 10.34 -13.27
NORTHPORT___IC 23718	158.96 10.73 -1.01	152.91 11.26 -1.12	149.16 10.00 -21.92	153.67 11.02 -3.59	157.41 11.52 -0.95	158.02 12.40 -1.11	166.46 13.53 -4.60	265.35 13.56 -112.88	253.15 7.37 -168.78	180.76 12.20 -29.52	218.26 13.64 -1.99	199.83 11.07 -60.46	154.03 8.37 -53.04	149.58 9.48 -30.57	155.01 10.34 -21.16	152.73 11.11 -6.31	200.18 11.65 -39.19	184.00 11.58 -8.16	162.61 5.84 -83.56	164.57 8.68 -49.02	160.63 6.51 -78.46	176.12 11.50 -30.42	162.68 12.29 -0.78	148.56 11.11 -13.27
NORTH___COUNTRY_ESR 323785	145.96 -1.26 0.00	138.37 -2.16 0.00	115.95 -1.29 0.00	138.37 -0.69 0.00	143.56 -1.39 0.00	141.56 -2.96 0.00	145.25 -3.08 0.00	135.75 -3.17 0.00	75.01 -1.99 0.00	136.54 -2.50 0.00	200.85 -1.78 0.00	126.88 -1.42 0.00	91.62 -0.99 0.00	108.49 -1.04 0.00	122.51 -1.00 0.00	134.09 -1.22 0.00	148.40 -0.95 0.00	163.36 -0.90 0.00	71.75 -1.46 0.00	104.09 -2.78 0.00	73.68 -1.99 0.00	131.06 -3.13 0.00	147.70 -1.90 0.00	122.64 -1.54 0.00
NPX_GEN_1385_PROXY 323591	154.72 9.86 2.35	152.22 10.57 -1.12	148.60 9.44 -21.92	153.10 10.45 -3.59	157.38 11.48 -0.95	156.90 11.27 -1.11	166.49 13.56 -4.60	266.18 14.38 -112.88	252.91 7.12 -168.78	179.08 10.52 -29.52	214.84 10.22 -1.99	198.98 10.22 -60.47	152.48 6.83 -53.04	147.39 7.29 -30.57	153.72 9.05 -21.16	149.85 8.24 -6.31	196.94 8.41 -39.19	168.41 7.06 2.90	97.47 3.89 -20.37	162.31 6.42 -49.02	159.49 5.37 -78.46	174.14 9.53 -30.42	160.24 9.86 -0.78	145.86 8.42 -13.27
NPX_GEN_CSC 323557	158.84 13.80 2.18	155.98 14.13 -1.32	151.75 12.32 -22.19	157.85 14.97 -3.82	161.88 15.83 -1.10	162.87 17.05 -1.30	171.60 18.47 -4.79	269.90 18.07 -112.91	255.39 9.61 -168.78	185.16 16.46 -29.66	221.93 17.12 -2.17	203.43 14.54 -60.59	156.80 10.82 -53.36	151.79 11.35 -30.91	157.40 12.46 -21.43	155.73 14.11 -6.31	205.04 16.50 -39.19	190.34 17.15 -8.93	166.41 8.35 -84.85	168.12 12.23 -49.02	162.94 8.82 -78.46	180.19 15.58 -30.42	167.58 17.19 -0.78	152.21 14.76 -13.27
NSINS_S___GLNS_FALLS 23858	159.45 12.23 0.00	152.02 11.49 0.00	126.67 9.43 0.00	149.83 10.77 0.00	156.65 11.70 0.00	157.85 13.33 0.00	171.27 14.02 -8.92	209.37 14.01 -56.44	214.47 7.48 -129.99	188.22 12.92 -36.26	221.57 17.76 -1.18	181.06 10.61 -42.15	110.14 7.06 -10.47	122.49 8.38 -4.59	132.92 9.41 0.00	149.27 11.19 -2.78	162.29 12.94 0.00	207.65 14.95 -28.44	182.04 6.89 -101.94	156.91 10.03 -40.01	167.71 7.14 -84.91	145.97 11.78 0.00	162.05 12.45 0.00	141.68 10.88 -6.63
NUCOR_STEEL___DRP 24197	146.00 -1.21 0.00	140.33 -0.20 0.00	116.74 -0.50 0.00	138.08 -0.98 0.00	144.44 -0.51 0.00	145.65 1.13 0.00	149.07 0.74 0.00	140.66 0.54 -1.20	88.68 0.26 -11.41	141.89 -0.64 -3.49	202.11 -1.65 -1.13	130.82 -1.53 -4.06	92.49 -1.13 -1.01	108.62 -1.51 -0.60	121.68 -1.84 0.00	134.24 -1.34 -0.27	149.01 -0.71 -0.37	170.04 0.16 -5.63	79.78 0.21 -6.36	108.10 0.11 -1.12	82.83 0.06 -7.10	136.11 -0.19 -2.11	150.01 -0.62 -1.02	124.45 -0.36 -0.63
NUMBER_THREE_WT_PWR 323818	146.89 -0.32 0.00	139.07 -1.46 0.00	115.60 -1.64 0.00	138.81 -0.25 0.00	146.12 1.17 0.00	145.65 1.13 0.00	149.83 1.50 0.00	141.70 2.44 -0.34	81.44 1.19 -3.25	142.30 2.26 -0.99	206.40 3.74 -0.03	131.36 1.92 -1.15	93.28 0.38 -0.29	110.71 1.06 -0.13	124.81 1.29 0.00	136.37 0.98 -0.08	151.15 1.80 0.00	167.46 3.21 0.00	75.61 0.59 -1.81	106.94 0.07 0.00	77.12 -0.56 -2.02	135.83 1.63 0.00	154.42 4.82 0.00	128.44 4.08 -0.18
NYISO_LBMP_REFERENCE 24008	147.21 0.00 0.00	140.53 0.00 0.00	117.24 0.00 0.00	139.06 0.00 0.00	144.95 0.00 0.00	144.52 0.00 0.00	148.33 0.00 0.00	138.92 0.00 0.00	77.00 0.00 0.00	139.04 0.00 0.00	202.63 0.00 0.00	128.30 0.00 0.00	92.61 0.00 0.00	109.53 0.00 0.00	123.51 0.00 0.00	135.31 0.00 0.00	149.35 0.00 0.00	164.26 0.00 0.00	73.21 0.00 0.00	106.87 0.00 0.00	75.66 0.00 0.00	134.19 0.00 0.00	149.60 0.00 0.00	124.18 0.00 0.00

NYPA_BRENTWD____GT 24164	161.78 13.16 -1.41	155.57 13.49 -1.55	151.42 11.67 -22.51	156.31 13.15 -4.09	160.13 13.88 -1.29	160.96 14.91 -1.54	169.59 16.23 -5.03	268.04 16.16 -112.96	254.60 8.82 -168.78	183.75 14.87 -29.83	222.23 17.19 -2.40	202.38 13.35 -60.74	156.36 9.98 -53.76	152.13 11.28 -31.32	157.60 12.34 -21.75	155.17 13.54 -6.31	203.08 14.54 -39.19	189.10 14.99 -9.86	167.06 7.36 -86.49	166.74 10.85 -49.02	162.12 7.99 -78.46	178.58 13.97 -30.42	165.49 15.11 -0.78	150.69 13.24 -13.27
NYPA_GOWANUS____GT5 24156	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NYPA_GOWANUS____GT6 24157	240.18 13.00 -79.97	224.02 12.56 -70.93	222.23 10.38 -94.61	223.53 11.62 -72.84	223.94 12.75 -66.24	223.95 14.12 -65.31	227.30 14.73 -64.24	229.57 14.63 -76.01	238.59 8.09 -153.50	332.64 13.77 -179.82	633.48 18.39 -412.45	473.05 12.70 -332.05	1163.84 9.14 -1062.08	619.47 10.16 -499.78	526.25 11.27 -391.47	693.71 12.36 -546.04	635.68 13.13 -473.21	564.40 13.36 -386.79	653.26 6.63 -573.42	965.44 9.76 -848.80	612.08 7.16 -529.26	406.17 12.52 -259.45	362.00 13.25 -199.16	307.49 11.82 -171.50
NYPA_HARLEM__RVR__GT1 24160	159.05 11.83 -0.01	152.14 11.61 0.00	126.79 9.54 -0.01	149.69 10.62 -0.01	156.64 11.68 -0.01	157.43 12.91 -0.01	163.56 13.16 -2.07	172.25 13.22 -20.10	180.96 7.38 -96.58	180.40 12.64 -28.72	223.23 16.45 -4.14	173.23 11.55 -33.38	109.17 8.26 -8.29	122.23 9.06 -3.64	133.50 9.98 -0.01	148.65 11.14 -2.20	160.87 11.52 -0.01	179.50 11.83 -3.42	139.74 5.89 -60.64	123.85 8.71 -8.26	143.13 6.45 -61.02	167.10 11.36 -21.54	162.38 12.00 -0.77	140.88 10.62 -6.08
NYPA_HARLEM__RVR__GT2 24161	159.05 11.83 -0.01	152.14 11.61 0.00	126.79 9.54 -0.01	149.69 10.62 -0.01	156.64 11.68 -0.01	157.43 12.91 -0.01	163.56 13.16 -2.07	172.25 13.22 -20.10	180.96 7.38 -96.58	180.40 12.64 -28.72	223.23 16.45 -4.14	173.23 11.55 -33.38	109.17 8.26 -8.29	122.23 9.06 -3.64	133.50 9.98 -0.01	148.65 11.14 -2.20	160.87 11.52 -0.01	179.50 11.83 -3.42	139.74 5.89 -60.64	123.85 8.71 -8.26	143.13 6.45 -61.02	167.10 11.36 -21.54	162.38 12.00 -0.77	140.88 10.62 -6.08
NYPA_KENT____GT 24152	205.87 12.63 -46.03	194.19 12.27 -41.38	182.92 10.13 -55.56	193.18 11.34 -42.77	196.30 12.45 -38.90	196.60 13.73 -38.35	201.21 14.30 -38.58	206.26 14.26 -53.08	215.26 7.91 -130.35	251.38 13.57 -98.76	364.88 18.06 -144.18	348.50 12.52 -207.68	758.81 9.02 -657.18	426.88 9.98 -307.37	364.34 10.97 -229.85	461.17 12.01 -313.85	432.17 12.65 -270.17	405.62 12.86 -228.51	440.28 6.35 -360.72	585.30 9.36 -469.07	418.50 6.89 -335.94	307.61 12.19 -161.23	279.83 12.98 -117.25	238.90 11.52 -103.20
NYPA_POUCH1____GT 24155	239.77 12.58 -79.97	223.54 12.09 -70.93	221.87 10.02 -94.61	223.15 11.24 -72.84	223.53 12.33 -66.24	223.55 13.72 -65.31	226.78 14.20 -64.24	229.08 14.15 -76.01	232.34 7.74 -147.60	239.05 13.02 -86.98	309.98 17.32 -90.02	457.45 12.07 -317.08	1143.34 8.68 -1042.05	613.88 9.66 -494.70	525.75 10.77 -391.47	678.36 11.84 -531.21	620.37 12.65 -458.37	563.83 12.79 -386.78	653.09 6.47 -573.42	965.22 9.54 -848.80	611.98 7.05 -529.26	405.83 12.18 -259.45	361.54 12.78 -199.16	307.18 11.51 -171.50
NYPA_VERNON____GT2 24162	171.68 12.37 -12.09	164.37 12.00 -11.84	143.63 9.89 -16.50	162.83 11.06 -12.70	168.65 12.15 -11.55	169.41 13.50 -11.39	175.35 14.11 -12.91	183.11 14.05 -30.14	192.00 7.80 -107.19	209.63 13.41 -57.18	276.96 17.68 -56.65	231.87 12.32 -91.25	353.78 8.90 -252.26	234.39 9.90 -114.97	202.51 10.76 -68.24	241.90 11.77 -94.82	241.99 12.34 -80.31	247.07 12.57 -70.24	229.08 6.15 -149.72	261.02 9.10 -145.05	224.98 6.68 -142.63	209.19 11.98 -63.01	197.70 12.75 -35.35	170.33 11.24 -34.91
NYPA_VERNON____GT3 24163	171.68 12.37 -12.09	164.37 12.00 -11.84	143.63 9.89 -16.50	162.83 11.06 -12.70	168.65 12.15 -11.55	169.41 13.50 -11.39	175.35 14.11 -12.91	183.11 14.05 -30.14	192.00 7.80 -107.19	209.63 13.41 -57.18	276.96 17.68 -56.65	231.87 12.32 -91.25	353.78 8.90 -252.26	234.39 9.90 -114.97	202.51 10.76 -68.24	241.90 11.77 -94.82	241.99 12.34 -80.31	247.07 12.57 -70.24	229.08 6.15 -149.72	261.02 9.10 -145.05	224.98 6.68 -142.63	209.19 11.98 -63.01	197.70 12.75 -35.35	170.33 11.24 -34.91
NYPA__ASTORIA_CC1 323568	159.45 12.23 -0.01	152.40 11.86 0.00	127.03 9.79 -0.01	150.00 10.93 -0.01	156.96 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.99 7.71 -97.28	189.65 13.17 -37.44	237.22 17.37 -17.22	181.01 12.14 -40.57	170.49 8.75 -69.12	147.99 9.75 -28.71	134.04 10.52 -0.01	149.05 11.54 -2.20	161.41 12.05 -0.01	179.92 12.25 -3.42	139.86 6.01 -60.64	123.98 8.85 -8.26	143.22 6.53 -61.02	167.51 11.77 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
NYPA__ASTORIA_CC2 323569	159.45 12.23 -0.01	152.40 11.86 0.00	127.03 9.79 -0.01	150.00 10.93 -0.01	156.96 12.01 -0.01	157.87 13.35 -0.01	164.31 13.91 -2.08	173.32 13.85 -20.55	181.99 7.71 -97.28	189.65 13.17 -37.44	237.22 17.37 -17.22	181.01 12.14 -40.57	170.49 8.75 -69.12	147.99 9.75 -28.71	134.04 10.52 -0.01	149.05 11.54 -2.20	161.41 12.05 -0.01	179.92 12.25 -3.42	139.86 6.01 -60.64	123.98 8.85 -8.26	143.22 6.53 -61.02	167.51 11.77 -21.54	162.89 12.52 -0.77	141.32 11.07 -6.08
NYPA__HOLTSVILL 23794	160.47 12.08 -1.17	154.36 12.54 -1.29	150.33 10.93 -22.16	155.29 12.43 -3.79	159.13 13.09 -1.09	159.97 14.17 -1.28	168.43 15.32 -4.77	266.89 15.06 -112.91	253.96 8.17 -168.78	182.56 13.87 -29.65	219.61 14.83 -2.15	201.15 12.28 -60.58	155.33 9.38 -53.33	150.84 10.43 -30.88	156.31 11.39 -21.40	154.21 12.60 -6.31	202.10 13.57 -39.19	186.88 13.77 -8.85	164.79 6.83 -84.75	165.95 10.06 -49.02	161.61 7.49 -78.46	177.89 13.28 -30.42	164.93 14.55 -0.78	150.28 12.83 -13.27
NYPA__HELLGATE_GT1 24158	159.05 11.83 -0.01	152.14 11.61 0.00	126.79 9.54 -0.01	149.69 10.62 -0.01	156.64 11.68 -0.01	157.43 12.91 -0.01	163.56 13.16 -2.07	172.25 13.22 -20.10	180.96 7.38 -96.58	180.40 12.64 -28.72	223.23 16.45 -4.15	173.23 11.55 -33.38	109.17 8.26 -8.29	122.23 9.06 -3.64	133.50 9.98 -0.01	148.65 11.14 -2.20	160.87 11.52 -0.01	179.50 11.83 -3.42	139.74 5.89 -60.64	123.85 8.71 -8.26	143.13 6.45 -61.02	167.10 11.36 -21.54	162.38 12.00 -0.77	140.88 10.62 -6.08
NYPA__HELLGATE_GT2 24159	159.05 11.83 -0.01	152.14 11.61 0.00	126.79 9.54 -0.01	149.69 10.62 -0.01	156.64 11.68 -0.01	157.43 12.91 -0.01	163.56 13.16 -2.07	172.25 13.22 -20.10	180.96 7.38 -96.58	180.40 12.64 -28.72	223.23 16.45 -4.15	173.23 11.55 -33.38	109.17 8.26 -8.29	122.23 9.06 -3.64	133.50 9.98 -0.01	148.65 11.14 -2.20	160.87 11.52 -0.01	179.50 11.83 -3.42	139.74 5.89 -60.64	123.85 8.71 -8.26	143.13 6.45 -61.02	167.10 11.36 -21.54	162.38 12.00 -0.77	140.88 10.62 -6.08
NYS_BARGE__HYD 23848	132.94 -14.27 0.00	128.66 -11.87 0.00	108.39 -8.85 0.00	127.27 -11.80 0.00	134.30 -10.65 0.00	135.82 -8.70 0.00	137.18 -11.35 -0.20	127.37 -14.21 -2.67	83.43 -7.66 -14.09	128.30 -15.02 -4.28	180.85 -19.97 1.82	119.88 -13.38 -4.97	84.22 -9.63 -1.23	97.57 -12.19 -0.23	109.26 -14.25 0.00	119.72 -15.91 -0.33	131.58 -17.05 0.71	135.15 -18.64 10.47	150.84 -8.85 -86.49	135.27 -12.87 -41.27	75.97 -8.79 -9.10	114.32 -15.63 4.24	130.56 -17.08 1.96	111.88 -13.08 -0.78

OAK ORCHARD___HYD 24046	140.41 -6.81 0.00	134.99 -5.55 0.00	113.18 -4.05 0.00	133.42 -5.65 0.00	140.14 -4.81 0.00	141.13 -3.39 0.00	143.97 -4.36 0.00	134.61 -5.52 -1.21	85.61 -2.90 -11.50	136.24 -6.32 -3.52	192.68 -8.68 1.28	126.36 -6.03 -4.09	89.29 -4.35 -1.02	104.21 -5.55 -0.23	117.05 -6.47 0.00	128.56 -7.02 -0.27	141.60 -7.23 0.51	148.78 -7.78 7.69	84.40 -3.61 -14.81	104.46 -5.46 -3.05	79.16 -3.67 -7.16	124.41 -6.90 2.88	140.34 -7.86 1.40	118.87 -5.94 -0.64
OAKDALE___35_KV_LOAD 356122	146.95 -0.26 0.00	140.86 0.33 0.00	117.57 0.33 0.00	139.08 0.01 0.00	145.35 0.39 0.00	145.95 1.43 0.00	150.48 1.37 -0.78	147.14 1.22 -7.00	108.46 0.54 -30.93	148.34 0.15 -9.15	200.80 -0.56 1.28	138.04 -0.89 -10.64	94.71 -0.55 -2.64	109.67 -0.77 -0.92	122.60 -0.91 0.00	135.42 -0.59 -0.70	148.44 -0.33 0.58	156.07 -0.96 7.22	92.92 -0.10 -19.81	108.10 -0.23 -1.45	95.08 -0.18 -19.59	130.69 -0.24 3.26	147.29 -0.73 1.58	125.36 -0.47 -1.66
OCC_CHEM___DRP 24175	130.70 -16.52 0.00	126.38 -14.15 0.00	106.45 -10.79 0.00	125.08 -13.99 0.00	132.02 -12.93 0.00	133.43 -11.09 0.00	135.10 -13.42 -0.19	125.61 -16.02 -2.71	82.81 -8.64 -14.45	126.63 -16.80 -4.39	177.90 -22.71 2.03	118.59 -14.80 -5.10	83.28 -10.60 -1.27	96.49 -13.26 -0.22	107.82 -15.69 0.00	118.11 -17.53 -0.34	129.52 -19.03 0.80	131.80 -20.62 11.83	72.46 -10.08 -9.33	91.14 -14.56 1.17	75.15 -9.85 -9.34	112.00 -17.40 4.79	128.44 -18.97 2.19	110.54 -14.43 -0.80
OH_GEN_PROXY 24063	129.21 -14.64 3.37	128.13 -12.40 0.00	107.91 -9.33 0.00	126.74 -12.32 0.00	133.62 -11.33 0.00	134.96 -9.56 0.00	136.78 -11.76 -0.21	127.59 -14.07 -2.75	83.71 -7.66 -14.37	128.44 -14.95 -4.35	180.75 -19.89 1.99	120.14 -13.21 -5.06	84.37 -9.50 -1.26	97.84 -11.91 -0.23	109.63 -13.88 0.00	120.09 -15.55 -0.33	131.73 -16.84 0.78	134.01 -18.62 11.62	57.36 -8.79 7.06	84.02 -12.84 10.01	76.20 -8.73 -9.26	114.03 -15.49 4.67	130.49 -16.96 2.15	112.08 -12.89 -0.79
OLIN_CORP_DRP 24177	131.53 -15.68 0.00	127.42 -13.11 0.00	107.27 -9.97 0.00	126.07 -12.99 0.00	133.08 -11.87 0.00	134.54 -9.98 0.00	135.45 -13.08 -0.20	125.46 -16.19 -2.74	82.85 -8.74 -14.59	126.53 -16.94 -4.43	177.71 -22.88 2.04	118.58 -14.86 -5.15	83.23 -10.66 -1.28	96.33 -13.43 -0.22	107.71 -15.80 0.00	118.04 -17.60 -0.34	129.39 -19.16 0.80	131.38 -21.04 11.83	93.50 -10.07 -30.36	102.57 -14.56 -10.26	75.27 -9.83 -9.43	111.90 -17.50 4.79	128.61 -18.79 2.20	110.54 -14.44 -0.80
OLIN_CORP_DSASP 323712	130.72 -16.49 0.00	126.38 -14.15 0.00	106.60 -10.64 0.00	125.10 -13.96 0.00	132.01 -12.93 0.00	133.45 -11.06 0.00	135.13 -13.39 -0.19	125.61 -16.02 -2.71	82.76 -8.69 -14.45	126.65 -16.78 -4.39	178.29 -22.31 2.03	118.58 -14.82 -5.10	83.30 -10.58 -1.27	96.49 -13.26 -0.22	107.97 -15.54 0.00	118.13 -17.50 -0.34	129.56 -18.99 0.80	131.82 -20.60 11.83	72.59 -9.95 -9.33	91.29 -14.41 1.17	75.17 -9.83 -9.34	112.19 -17.21 4.79	128.45 -18.95 2.19	110.57 -14.40 -0.80
ONEIDA_HERK_LFGE 323681	149.87 2.65 0.00	142.69 2.16 0.00	118.85 1.62 0.00	141.59 2.53 0.00	148.35 3.40 0.00	148.44 3.93 0.00	152.76 4.43 0.00	143.99 4.77 -0.29	82.32 2.53 -2.79	144.26 4.36 -0.85	208.45 5.79 -0.03	132.56 3.28 -0.99	94.68 1.82 -0.25	112.07 2.43 -0.11	126.39 2.87 0.00	138.47 3.09 -0.06	153.51 4.16 0.00	169.46 5.20 0.00	76.80 2.03 -1.56	109.51 2.64 0.00	79.02 1.62 -1.74	138.27 4.08 0.00	155.10 5.50 0.00	128.80 4.47 -0.16
ONEIDA___115KV_TB4 55905	149.75 2.54 0.00	143.19 2.66 0.00	119.40 2.16 0.00	141.59 2.53 0.00	148.22 3.27 0.00	148.83 4.31 0.00	153.32 4.99 0.00	144.54 5.06 -0.56	85.04 2.69 -5.35	144.87 4.18 -1.64	207.11 4.43 -0.05	132.46 2.26 -1.90	94.36 1.27 -0.47	111.39 1.65 -0.21	125.61 2.10 0.00	137.93 2.49 -0.12	153.26 3.91 0.00	168.87 4.61 0.00	78.28 2.09 -2.98	109.74 2.87 0.00	81.01 2.02 -3.33	138.97 4.78 0.00	154.74 5.14 0.00	128.57 4.10 -0.30
ONONDAGA_REF_OCCRA 23987	145.73 -1.49 0.00	139.39 -1.14 0.00	116.28 -0.96 0.00	137.67 -1.39 0.00	143.96 -0.99 0.00	144.44 -0.07 0.00	148.41 0.08 0.00	140.12 0.11 -1.08	87.30 0.03 -10.26	141.59 -0.59 -3.14	201.87 -1.59 -0.82	130.59 -1.35 -3.65	92.52 -1.00 -0.91	108.76 -1.28 -0.51	122.01 -1.50 0.00	134.18 -1.37 -0.24	148.69 -0.92 -0.26	167.31 -0.94 -4.00	78.69 -0.24 -5.72	107.15 -0.52 -0.79	81.64 -0.41 -6.39	134.83 -0.86 -1.50	149.02 -1.31 -0.73	123.75 -1.00 -0.57
ONONDAGA___COGEN 23986	145.33 -1.89 0.00	139.10 -1.43 0.00	115.99 -1.25 0.00	137.38 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.61 -2.12 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.64 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.14 -0.38 -5.31	106.10 -0.77 0.00	81.02 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
ONTARIO___LFGE 23819	143.82 -3.40 0.00	138.13 -2.40 0.00	115.38 -1.86 0.00	136.37 -2.69 0.00	143.10 -1.85 0.00	144.22 -0.29 0.00	148.43 -0.30 -0.40	141.38 -0.79 -3.26	90.58 -0.58 -14.16	140.24 -2.95 -4.14	195.21 -4.51 2.92	129.17 -3.94 -4.82	91.05 -2.76 -1.20	105.53 -4.06 -0.06	119.14 -4.37 0.00	131.99 -3.63 -0.32	145.53 -2.70 1.12	144.86 -2.71 16.68	81.25 -0.78 -8.81	103.00 -1.68 2.20	83.35 -1.14 -8.83	125.31 -2.74 6.14	142.68 -3.85 3.07	121.93 -3.00 -0.75
ORANGEVILLE_WT_PWR 323706	134.18 -13.04 0.00	129.61 -10.92 0.00	108.95 -8.29 0.00	128.44 -10.63 0.00	135.28 -9.67 0.00	136.85 -7.67 0.00	139.25 -8.90 0.18	130.17 -10.74 -1.99	87.43 -5.99 -16.42	131.61 -12.71 -5.27	182.24 -17.24 3.15	122.40 -12.03 -6.13	85.14 -8.99 -1.52	98.11 -11.58 -0.16	110.68 -12.83 0.00	122.60 -13.11 -0.40	135.38 -12.75 1.22	132.65 -13.49 18.12	78.29 -6.16 -11.24	95.60 -9.12 2.16	80.50 -6.40 -11.24	114.12 -12.01 8.06	132.90 -13.36 3.34	114.72 -10.42 -0.96
ORANGEVILLE___ESR 323794	134.18 -13.04 0.00	129.61 -10.92 0.00	108.95 -8.29 0.00	128.44 -10.63 0.00	135.28 -9.67 0.00	136.85 -7.67 0.00	139.25 -8.90 0.18	130.17 -10.74 -1.99	87.43 -5.99 -16.42	131.61 -12.71 -5.27	182.24 -17.24 3.15	122.40 -12.03 -6.13	85.14 -8.99 -1.52	98.11 -11.58 -0.16	110.68 -12.83 0.00	122.60 -13.11 -0.40	135.38 -12.75 1.22	132.65 -13.49 18.12	78.29 -6.16 -11.24	95.60 -9.12 2.16	80.50 -6.40 -11.24	114.12 -12.01 8.06	132.90 -13.36 3.34	114.72 -10.42 -0.96
OSWEGATCHIE___HYD 24044	146.52 -0.69 0.00	139.03 -1.50 0.00	115.78 -1.46 0.00	138.51 -0.55 0.00	144.31 -0.64 0.00	142.44 -2.08 0.00	145.59 -2.73 0.00	137.10 -2.08 -0.25	78.10 -1.30 -2.40	137.96 -1.82 -0.73	201.49 -1.17 -0.02	127.99 -1.16 -0.85	91.35 -1.48 -0.21	108.22 -1.40 -0.09	122.09 -1.42 0.00	133.28 -2.08 -0.06	147.75 -1.60 0.00	163.35 -0.90 0.00	73.33 -1.21 -1.34	104.64 -2.23 0.00	75.25 -1.91 -1.49	133.02 -1.17 0.00	150.88 1.28 0.00	125.53 1.22 -0.13
OSWEGO___5 23606	142.54 -4.68 0.00	136.29 -4.24 0.00	113.73 -3.52 0.00	134.67 -4.40 0.00	140.73 -4.22 0.00	140.94 -3.58 0.00	144.63 -3.70 0.00	136.09 -3.54 -0.71	81.78 -1.92 -6.69	137.31 -3.78 -2.05	196.91 -5.79 -0.07	126.77 -3.91 -2.38	90.35 -2.86 -0.59	106.30 -3.48 -0.26	119.53 -3.98 0.00	131.25 -4.22 -0.16	144.99 -4.36 0.00	159.48 -4.78 0.00	74.91 -2.03 -3.73	103.78 -3.09 0.00	77.64 -2.19 -4.16	130.20 -4.00 0.00	145.04 -4.56 0.00	120.88 -3.67 -0.37

OSWEGO___6 23613	142.54 -4.68 0.00	136.29 -4.24 0.00	113.73 -3.52 0.00	134.67 -4.40 0.00	140.73 -4.22 0.00	140.94 -3.58 0.00	144.63 -3.70 0.00	136.09 -3.54 -0.71	81.78 -1.92 -6.69	137.31 -3.78 -2.05	196.91 -5.79 -0.07	126.77 -3.91 -2.38	90.35 -2.86 -0.59	106.30 -3.48 -0.26	119.53 -3.98 0.00	131.25 -4.22 -0.16	144.99 -4.36 0.00	159.48 -4.78 0.00	74.91 -2.03 -3.73	103.78 -3.09 0.00	77.64 -2.19 -4.16	130.20 -4.00 0.00	145.04 -4.56 0.00	120.88 -3.67 -0.37
OUTOKUMPU-AB___DRP 24206	134.27 -12.94 0.00	129.85 -10.67 0.00	109.27 -7.97 0.00	128.37 -10.70 0.00	135.48 -9.47 0.00	136.99 -7.52 0.00	138.84 -9.68 -0.19	129.27 -12.40 -2.74	85.05 -6.64 -14.69	130.22 -13.29 -4.46	182.94 -17.62 2.07	121.67 -11.81 -5.19	85.37 -8.54 -1.29	98.65 -11.09 -0.22	110.31 -13.20 0.00	120.99 -14.66 -0.34	132.87 -15.67 0.81	135.26 -16.99 12.00	99.27 -8.29 -34.35	107.25 -11.99 -12.37	77.03 -8.13 -9.51	114.77 -14.55 4.87	131.54 -15.83 2.23	112.93 -12.05 -0.81
OXBOW___BTM 323836	132.79 -14.43 0.00	128.38 -12.15 0.00	108.21 -9.03 0.00	126.99 -12.08 0.00	134.03 -10.93 0.00	135.52 -8.99 0.00	137.28 -11.24 -0.19	127.73 -13.92 -2.73	84.06 -7.51 -14.57	128.78 -14.69 -4.43	181.12 -19.46 2.05	120.25 -13.19 -5.14	84.53 -9.37 -1.28	97.84 -11.92 -0.22	109.49 -14.02 0.00	119.66 -15.99 -0.34	131.48 -17.06 0.80	133.81 -18.52 11.93	85.34 -8.90 -21.03	99.09 -12.94 -5.16	76.23 -8.85 -9.43	113.83 -15.52 4.84	130.31 -17.08 2.21	112.02 -12.96 -0.80
OXBOW____ 24026	132.80 -14.42 0.00	128.38 -12.15 0.00	108.08 -9.16 0.00	126.99 -12.08 0.00	134.02 -10.93 0.00	135.51 -9.01 0.00	137.30 -11.22 -0.19	127.75 -13.89 -2.73	84.10 -7.47 -14.57	128.71 -14.75 -4.43	180.74 -19.84 2.05	120.24 -13.20 -5.15	84.51 -9.38 -1.28	97.81 -11.94 -0.22	109.34 -14.17 0.00	119.63 -16.02 -0.34	131.43 -17.12 0.80	133.81 -18.52 11.83	85.19 -9.05 -21.03	98.96 -13.06 -5.16	76.23 -8.86 -9.43	113.63 -15.73 4.84	130.32 -17.07 2.21	111.97 -13.01 -0.80
OXY_CHEM_DSASP 323612	130.70 -16.52 0.00	126.38 -14.15 0.00	106.45 -10.79 0.00	125.08 -13.99 0.00	132.02 -12.93 0.00	133.43 -11.09 0.00	135.10 -13.42 -0.19	125.61 -16.02 -2.71	82.81 -8.64 -14.45	126.63 -16.80 -4.39	177.90 -22.71 2.03	118.59 -14.80 -5.10	83.28 -10.60 -1.27	96.49 -13.26 -0.22	107.82 -15.69 0.00	118.11 -17.53 -0.34	129.52 -19.03 0.80	131.80 -20.62 11.83	72.46 -10.08 -9.33	91.14 -14.56 1.17	75.15 -9.85 -9.34	112.00 -17.40 4.79	128.44 -18.97 2.19	110.54 -14.43 -0.80
OZONE_PARK_ESR 323760	160.59 13.37 0.00	153.40 12.87 0.00	127.94 10.70 0.00	150.95 11.89 0.00	157.95 13.00 0.00	158.97 14.46 0.00	165.66 15.26 -2.07	174.12 15.10 -20.10	182.00 8.43 -96.57	182.24 14.48 -28.71	222.94 19.38 -0.93	174.97 13.30 -33.38	110.54 9.64 -8.29	123.87 10.71 -3.63	135.26 11.74 0.00	150.40 12.90 -2.20	162.91 13.56 0.00	181.78 14.11 -3.42	140.77 10.22 -60.64	125.35 6.93 -8.26	144.14 7.45 -61.02	168.98 13.20 -21.58	164.41 14.03 -0.78	142.40 12.15 -6.08
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	130.70 -16.52 0.00	126.38 -14.15 0.00	106.45 -10.79 0.00	125.08 -13.99 0.00	132.02 -12.93 0.00	133.43 -11.09 0.00	135.10 -13.42 -0.19	125.61 -16.02 -2.71	82.81 -8.64 -14.45	126.63 -16.80 -4.39	177.90 -22.71 2.03	118.59 -14.80 -5.10	83.28 -10.60 -1.27	96.49 -13.26 -0.22	107.82 -15.69 0.00	118.11 -17.53 -0.34	129.52 -19.03 0.80	131.80 -20.62 11.83	72.46 -10.08 -9.33	91.14 -14.56 1.17	75.15 -9.85 -9.34	112.00 -17.40 4.79	128.44 -18.97 2.19	110.54 -14.43 -0.80
PACKARD__115KV_DUPONT_184 80571	130.70 -16.52 0.00	126.38 -14.15 0.00	106.45 -10.79 0.00	125.08 -13.99 0.00	132.02 -12.93 0.00	133.43 -11.09 0.00	135.10 -13.42 -0.19	125.61 -16.02 -2.71	82.81 -8.64 -14.45	126.63 -16.80 -4.39	177.90 -22.71 2.03	118.59 -14.80 -5.10	83.28 -10.60 -1.27	96.49 -13.26 -0.22	107.82 -15.69 0.00	118.11 -17.53 -0.34	129.52 -19.03 0.80	131.80 -20.62 11.83	72.46 -10.08 -9.33	91.14 -14.56 1.17	75.15 -9.85 -9.34	112.00 -17.40 4.79	128.44 -18.97 2.19	110.54 -14.43 -0.80
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	158.86 11.64 -0.01	151.86 11.33 0.00	126.67 9.42 -0.01	149.52 10.45 -0.01	156.44 11.48 -0.01	157.29 12.76 -0.01	163.51 13.10 -2.08	172.18 13.16 -20.10	180.93 7.35 -96.58	180.21 12.45 -28.72	223.10 16.23 -4.24	173.02 11.34 -33.38	109.06 8.15 -8.29	122.22 9.05 -3.64	133.44 9.92 -0.01	148.58 11.07 -2.20	160.82 11.47 -0.01	179.45 11.78 -3.42	139.71 5.86 -60.64	123.81 8.68 -8.26	143.09 6.40 -61.02	167.05 11.31 -21.54	162.28 11.90 -0.77	140.84 10.58 -6.08
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	159.79 12.57 -0.01	152.66 12.12 0.00	127.45 10.20 -0.01	150.52 11.45 -0.01	157.44 12.48 -0.01	158.30 13.78 -0.01	164.65 14.24 -2.08	173.09 14.06 -20.10	181.40 7.82 -96.58	180.79 13.02 -28.72	223.83 16.97 -4.24	173.39 11.72 -33.38	109.48 8.57 -8.29	122.65 9.48 -3.64	133.92 10.40 -0.01	149.07 11.56 -2.20	161.30 11.94 -0.01	179.96 12.28 -3.42	140.34 6.49 -60.64	124.41 9.28 -8.26	143.48 6.80 -61.02	167.61 11.87 -21.54	162.82 12.44 -0.77	141.25 11.00 -6.08
PATROON__115KV_TB1 80586	153.65 6.43 0.00	146.81 6.28 0.00	122.45 5.21 0.00	144.76 5.70 0.00	151.35 6.40 0.00	151.72 7.20 0.00	162.03 7.33 -6.37	189.27 6.79 -43.57	204.55 3.66 -123.89	181.09 6.66 -35.39	212.98 9.19 -1.15	175.53 6.09 -41.14	107.52 4.68 -10.22	119.51 5.50 -4.48	129.35 5.84 0.00	144.43 6.41 -2.71	155.80 6.45 0.00	190.17 7.11 -18.81	166.69 3.42 -90.07	139.75 4.82 -28.05	158.94 3.32 -79.96	139.67 5.48 0.00	155.21 5.61 0.00	136.23 5.59 -6.47
PATTRSNVILLE__SOLAR 323815	154.02 6.81 0.00	147.02 6.49 0.00	122.65 5.41 0.00	145.29 6.23 0.00	151.74 6.79 0.00	152.09 7.57 0.00	165.80 8.04 -9.43	205.97 7.78 -59.26	215.11 4.12 -133.99	183.36 7.03 -37.28	212.95 9.10 -1.21	176.57 4.93 -43.34	106.44 3.06 -10.77	117.82 3.57 -4.72	127.55 4.03 0.00	143.37 5.21 -2.85	156.27 6.92 0.00	202.87 8.22 -30.39	182.84 3.80 -105.83	154.80 5.56 -42.37	167.27 3.97 -87.63	141.01 6.81 0.00	156.93 7.32 0.00	137.28 6.29 -6.82
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	136.76 -10.46 0.00	132.24 -8.29 0.00	111.06 -6.18 0.00	130.67 -8.39 0.00	137.70 -7.25 0.00	138.97 -5.54 0.00	141.36 -7.18 -0.22	132.65 -9.31 -3.04	87.84 -5.25 -16.08	133.23 -10.70 -4.88	186.54 -13.66 2.43	124.34 -9.63 -5.67	87.18 -6.85 -1.41	101.10 -8.65 -0.22	113.50 -10.01 0.00	124.69 -10.99 -0.37	136.79 -11.61 0.95	137.43 -12.73 14.09	82.98 -6.40 -16.17	99.28 -9.26 -1.67	79.69 -6.37 -10.40	117.44 -11.08 5.68	134.90 -12.09 2.61	115.57 -9.49 -0.89
PAWLING_115_KV_BK3_REV_LBMP_H 345028	159.93 12.71 0.00	152.85 12.32 0.00	127.51 10.27 0.00	150.55 11.48 0.00	157.40 12.46 0.00	158.34 13.82 0.00	164.95 14.52 -2.10	173.66 14.37 -20.37	182.58 7.97 -97.61	181.78 13.72 -29.02	221.82 18.24 -0.94	174.12 12.09 -33.73	109.76 8.76 -8.38	123.18 9.98 -3.67	134.41 10.89 0.00	149.52 11.99 -2.22	162.18 12.84 0.00	181.47 13.71 -3.51	141.23 6.68 -61.33	125.13 9.84 -8.41	144.51 7.17 -61.68	153.58 12.53 -6.85	163.05 13.20 -0.25	141.23 11.49 -5.57
PEEKSKILL____ 23653	157.22 10.01 0.00	150.27 9.74 0.00	125.27 8.03 0.00	147.97 8.90 0.00	154.74 9.79 0.00	155.58 11.06 0.00	161.92 11.54 -2.05	170.42 11.61 -19.89	179.05 6.48 -95.58	178.43 10.97 -28.42	217.83 14.28 -0.92	171.18 9.85 -33.04	107.85 7.03 -8.21	121.04 7.91 -3.60	132.07 8.55 0.00	146.95 9.47 -2.18	159.37 10.02 0.00	178.13 10.49 -3.38	138.38 5.15 -60.02	122.63 7.58 -8.18	141.65 5.59 -60.39	333.33 9.77 -189.37	166.79 10.38 -6.81	145.25 9.04 -12.03

PGE MADISON___WINDPWR 24146	157.29 10.08 0.00	150.00 9.47 0.00	125.47 8.23 0.00	147.33 8.26 0.00	154.59 9.64 0.00	156.58 12.06 0.00	163.73 14.43 -0.98	161.58 14.84 -7.82	115.13 7.84 -30.29	160.13 12.22 -8.87	221.89 15.17 -4.09	147.50 8.89 -10.31	102.26 7.08 -2.56	119.60 8.37 -1.70	132.78 9.27 0.00	148.08 12.10 -0.68	167.97 17.23 -1.39	206.70 19.38 -23.07	101.56 8.38 -19.97	127.65 12.67 -8.11	104.05 9.16 -19.23	157.81 15.68 -7.94	168.52 15.09 -3.83	137.71 11.92 -1.62
PIERCEFIELD___HYD 23852	146.40 -0.82 0.00	139.06 -1.46 0.00	116.06 -1.18 0.00	138.59 -0.47 0.00	143.16 -1.79 0.00	139.82 -4.70 0.00	142.12 -6.21 0.00	132.96 -5.97 0.00	73.55 -3.45 0.00	133.64 -5.41 0.00	197.48 -5.15 0.00	124.87 -3.43 0.00	89.77 -2.84 0.00	106.32 -3.21 0.00	120.13 -3.38 0.00	130.86 -4.45 0.00	145.04 -4.30 0.00	160.12 -4.14 0.00	70.54 -2.67 0.00	102.79 -4.08 0.00	72.68 -2.99 0.00	130.77 -3.42 0.00	148.11 -1.49 0.00	123.09 -1.09 0.00
PINELAWN_CC_1 323563	162.63 12.93 -2.49	156.34 13.07 -2.74	152.64 11.27 -24.14	157.19 12.64 -5.49	160.58 13.39 -2.24	161.76 14.53 -2.71	170.30 15.75 -6.21	267.72 15.62 -113.18	254.43 8.64 -168.78	184.32 14.58 -30.70	223.59 17.44 -3.52	202.85 13.08 -61.48	158.12 9.77 -55.74	153.89 10.97 -33.39	158.83 11.94 -23.38	154.89 13.27 -6.31	202.76 14.23 -39.19	193.58 14.81 -14.51	174.96 7.24 -94.52	166.48 10.58 -49.02	161.86 7.74 -78.46	178.18 13.57 -30.42	165.00 14.61 -0.78	150.19 12.74 -13.27
PJM_GEN_HTP_PROXY 323702	155.51 11.38 3.08	151.55 11.01 0.00	126.31 9.08 0.00	149.17 10.10 0.00	156.04 11.09 0.00	156.98 12.46 0.00	161.96 13.07 -0.56	172.11 13.09 -20.09	175.00 7.29 -90.71	180.25 12.49 -28.71	218.62 16.50 0.51	171.23 11.43 -31.51	109.20 8.29 -8.29	122.40 9.24 -3.63	133.55 10.04 0.00	148.55 11.05 -2.20	160.91 11.56 0.00	180.63 11.86 -4.51	127.58 5.86 -48.52	123.72 8.58 -8.26	142.98 6.31 -61.01	166.98 11.20 -21.58	162.25 11.87 -0.78	140.74 10.48 -6.08
PJM_GEN_KEystone 24065	144.64 0.50 3.08	141.80 1.27 0.00	115.47 1.23 3.00	110.60 0.74 29.20	146.26 1.31 0.00	147.10 2.58 0.00	150.23 2.15 0.25	153.28 1.97 -12.39	131.15 0.94 -53.21	154.22 0.60 -14.57	116.62 0.30 86.32	88.33 0.03 39.99	66.36 0.12 26.37	111.24 -0.24 -1.96	122.28 -0.43 0.79	119.35 -0.32 15.63	142.83 -0.60 5.92	102.34 -1.30 60.61	98.29 -0.28 -25.36	110.02 -0.49 -3.63	113.04 -0.20 -37.58	113.66 -0.29 20.24	146.98 -0.47 2.15	126.21 -0.28 -2.32
PJM_GEN_NEPTUNE_PROXY 323594	155.65 11.52 3.08	152.12 11.59 0.00	138.06 9.86 -10.96	151.27 10.99 -1.22	156.73 11.75 -0.03	157.40 12.88 0.00	163.44 13.79 -1.32	222.48 13.70 -69.86	214.18 7.64 -129.53	180.57 12.83 -28.70	216.36 15.76 2.04	191.36 11.66 -51.41	132.55 8.60 -31.34	136.29 9.70 -17.07	144.66 10.60 -10.55	151.25 11.56 -4.39	182.42 12.28 -20.80	183.07 12.64 -6.18	138.74 6.22 -59.31	146.18 9.14 -30.18	152.78 6.73 -70.39	172.32 11.79 -26.34	163.02 12.63 -0.78	145.31 11.17 -9.96
PJM_GEN_VFT_PROXY 323633	154.80 10.66 3.08	150.77 10.24 0.00	125.69 8.45 0.00	148.40 9.34 0.00	155.33 10.38 0.00	156.30 11.78 0.00	161.21 12.33 -0.56	171.32 12.30 -20.10	167.72 6.80 -83.93	134.47 11.56 16.14	195.61 15.05 22.07	165.23 10.61 -26.32	105.30 7.73 -4.95	120.72 8.51 -2.68	121.32 9.16 11.35	128.60 10.07 16.78	159.00 10.46 0.81	179.59 10.82 -4.51	127.12 5.38 -48.53	123.08 7.94 -8.26	141.38 5.81 -59.91	160.88 10.34 -16.34	159.41 10.99 1.18	136.35 9.67 -2.51
PLATSBURG_115KV_PMLD1 355749	147.82 0.60 0.00	139.88 -0.65 0.00	117.23 -0.01 0.00	139.92 0.86 0.00	145.36 0.41 0.00	143.94 -0.58 0.00	147.62 -0.71 0.00	138.08 -0.84 0.00	76.27 -0.73 0.00	138.64 -0.40 0.00	203.53 0.90 0.00	128.49 0.20 0.00	92.70 0.09 0.00	109.81 0.28 0.00	123.94 0.42 0.00	135.93 0.62 0.00	150.48 1.13 0.00	165.53 1.28 0.00	72.73 -0.48 0.00	105.27 -1.60 0.00	74.54 -1.13 0.00	132.35 -1.84 0.00	149.28 -0.32 0.00	124.38 0.21 0.00
PLEASANTVLY___LBMP 24000	156.54 9.32 0.00	149.60 9.07 0.00	124.79 7.56 0.00	147.36 8.30 0.00	154.04 9.09 0.00	154.78 10.27 0.00	161.08 10.59 -2.16	170.52 10.62 -20.98	183.54 5.89 -100.65	179.08 10.11 -29.92	216.90 13.29 -0.97	172.13 9.05 -34.78	107.83 6.58 -8.64	120.86 7.55 -3.79	131.73 8.22 0.00	146.67 9.08 -2.29	158.74 9.40 0.00	177.61 9.76 -3.59	141.30 4.86 -63.23	122.68 7.16 -8.65	144.58 5.31 -63.60	153.10 9.26 -9.65	159.69 9.74 -0.35	138.86 8.84 -5.84
PLSNTVLE_13_KV_13.8KVDIST 80602	157.99 10.77 0.00	151.02 10.48 0.00	125.93 8.69 0.00	148.66 9.59 0.00	155.50 10.55 0.00	156.30 11.78 0.00	162.77 12.35 -2.08	171.56 12.40 -20.24	181.16 6.89 -97.27	179.76 11.80 -28.92	219.11 15.54 -0.94	172.56 10.64 -33.62	108.65 7.68 -8.35	121.86 8.68 -3.66	132.95 9.43 0.00	147.87 10.35 -2.21	160.17 10.83 0.00	179.01 11.32 -3.44	139.90 5.62 -61.08	123.47 8.28 -8.32	143.23 6.11 -61.46	161.36 10.64 -16.52	161.44 11.24 -0.59	140.09 9.99 -5.92
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	157.99 10.77 0.00	151.02 10.48 0.00	125.93 8.69 0.00	148.66 9.59 0.00	155.50 10.55 0.00	156.30 11.78 0.00	162.77 12.35 -2.08	171.56 12.40 -20.24	181.16 6.89 -97.27	179.76 11.80 -28.92	219.11 15.54 -0.94	172.56 10.64 -33.62	108.65 7.68 -8.35	121.86 8.68 -3.66	132.95 9.43 0.00	147.87 10.35 -2.21	160.17 10.83 0.00	179.01 11.32 -3.44	139.90 5.62 -61.08	123.47 8.28 -8.32	143.23 6.11 -61.46	161.36 10.64 -16.52	161.44 11.24 -0.59	140.09 9.99 -5.92
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	158.36 11.14 0.00	151.30 10.77 0.00	126.22 8.98 0.00	149.04 9.98 0.00	155.78 10.83 0.00	156.63 12.11 0.00	163.09 12.58 -2.18	172.36 12.57 -20.87	182.78 7.00 -98.78	180.41 12.02 -29.34	219.61 16.02 -0.95	172.97 10.56 -34.11	108.75 7.66 -8.47	122.04 8.80 -3.71	133.20 9.68 0.00	148.30 10.74 -2.25	160.75 11.40 0.00	180.13 12.11 -3.77	141.39 5.94 -62.24	124.35 8.72 -8.76	144.49 6.38 -62.44	145.27 11.08 0.00	161.28 11.68 0.00	139.79 10.25 -5.37
POLETTI___ 23519	158.63 11.42 0.00	151.58 11.04 0.00	126.37 9.14 0.00	149.17 10.10 0.00	156.10 11.15 0.00	157.06 12.54 0.00	163.51 13.11 -2.07	171.86 12.84 -20.10	180.75 7.18 -96.57	179.96 12.20 -28.71	219.75 16.18 -0.93	173.14 11.46 -33.38	109.19 8.28 -8.29	122.25 9.09 -3.63	133.36 9.85 0.00	148.30 10.79 -2.20	160.53 11.18 0.00	179.03 11.36 -3.42	139.55 5.70 -60.64	123.57 8.44 -8.26	142.90 6.22 -61.02	167.06 11.28 -21.58	162.30 11.92 -0.78	140.74 10.48 -6.08
POMONA___ESR 323819	156.92 9.70 0.00	149.92 9.39 0.00	125.01 7.77 0.00	147.61 8.54 0.00	154.41 9.46 0.00	155.25 10.73 0.00	161.51 11.18 -1.99	169.61 11.32 -19.37	176.44 6.30 -93.13	177.31 10.57 -27.69	217.19 13.66 -0.90	169.89 9.41 -32.19	107.19 6.58 -8.00	120.34 7.31 -3.50	131.44 7.93 0.00	146.29 8.86 -2.12	158.86 9.51 0.00	177.59 10.05 -3.29	136.56 4.87 -58.48	121.97 7.14 -7.96	139.80 5.29 -58.85	106.04 8.95 37.10	157.96 9.70 1.33	135.31 7.57 -3.56
PORT_JEFF_3 23555	160.14 11.73 -1.20	154.43 12.58 -1.32	150.64 11.21 -22.20	155.45 12.57 -3.82	159.13 13.07 -1.11	159.91 14.09 -1.31	168.12 14.99 -4.80	266.35 14.51 -112.91	253.66 7.88 -168.78	182.03 13.32 -29.66	218.85 14.03 -2.18	200.77 11.89 -60.59	155.26 9.27 -53.37	151.05 10.60 -30.92	156.49 11.54 -21.43	154.38 12.76 -6.31	202.11 13.57 -39.19	186.63 13.42 -8.95	164.84 6.70 -84.93	165.74 9.85 -49.02	161.50 7.37 -78.46	177.66 13.05 -30.42	164.77 14.39 -0.78	150.46 13.02 -13.27

PORT_JEFF_4 23616	160.14 11.73 -1.20	154.43 12.58 -1.32	150.64 11.21 -22.20	155.45 12.57 -3.82	159.13 13.07 -1.11	159.91 14.09 -1.31	168.12 14.99 -4.80	266.35 14.51 -112.91	253.66 7.88 -168.78	182.03 13.32 -29.66	218.85 14.03 -2.18	200.77 11.89 -60.59	155.26 9.27 -53.37	151.05 10.60 -30.92	156.49 11.54 -21.43	154.38 12.76 -6.31	202.11 13.57 -39.19	186.63 13.42 -8.95	164.84 6.70 -84.93	165.74 9.85 -49.02	161.50 7.37 -78.46	177.66 13.05 -30.42	164.77 14.39 -0.78	150.46 13.02 -13.27
PORT_JEFF_IC 23713	160.54 12.09 -1.23	154.67 12.78 -1.36	150.92 11.43 -22.25	155.73 12.80 -3.87	159.49 13.40 -1.14	160.32 14.46 -1.35	168.60 15.43 -4.84	266.90 15.06 -112.92	253.94 8.16 -168.78	182.60 13.86 -29.69	219.60 14.75 -2.22	201.19 12.28 -60.62	155.57 9.52 -53.44	151.31 10.79 -30.99	156.74 11.74 -21.49	154.66 13.04 -6.31	202.54 14.01 -39.19	187.36 14.00 -9.11	165.39 6.99 -85.19	166.17 10.28 -49.02	161.73 7.61 -78.46	178.15 13.54 -30.42	165.15 14.76 -0.78	150.66 13.22 -13.27
PPL PILGRIM_ST_GT1 24216	161.78 13.16 -1.41	155.57 13.49 -1.55	151.42 11.67 -22.51	156.31 13.15 -4.09	160.13 13.88 -1.29	160.96 14.91 -1.54	169.59 16.23 -5.03	268.04 16.16 -112.96	254.60 8.82 -168.78	183.75 14.87 -29.83	222.23 17.19 -2.40	202.38 13.35 -60.74	156.36 9.98 -53.76	152.13 11.28 -31.32	157.60 12.34 -21.75	155.17 13.54 -6.31	203.08 14.54 -39.19	189.10 14.99 -9.86	167.06 7.36 -86.49	166.74 10.85 -49.02	162.12 7.99 -78.46	178.58 13.97 -30.42	165.49 15.11 -0.78	150.69 13.24 -13.27
PPL PILGRIM_ST_GT2 24217	161.78 13.16 -1.41	155.57 13.49 -1.55	151.42 11.67 -22.51	156.31 13.15 -4.09	160.13 13.88 -1.29	160.96 14.91 -1.54	169.59 16.23 -5.03	268.04 16.16 -112.96	254.60 8.82 -168.78	183.75 14.87 -29.83	222.23 17.19 -2.40	202.38 13.35 -60.74	156.36 9.98 -53.76	152.13 11.28 -31.32	157.60 12.34 -21.75	155.17 13.54 -6.31	203.08 14.54 -39.19	189.10 14.99 -9.86	167.06 7.36 -86.49	166.74 10.85 -49.02	162.12 7.99 -78.46	178.58 13.97 -30.42	165.49 15.11 -0.78	150.69 13.24 -13.27
PPL_SHRM_GT3 24213	162.22 13.79 -1.21	156.02 14.16 -1.34	151.82 12.36 -22.22	157.84 14.94 -3.84	161.81 15.74 -1.12	162.83 16.99 -1.32	171.55 18.41 -4.82	269.80 17.97 -112.92	255.36 9.58 -168.78	185.13 16.41 -29.67	221.90 17.07 -2.19	203.40 14.50 -60.60	156.81 10.79 -53.40	151.86 11.38 -30.95	157.45 12.48 -21.46	155.71 14.09 -6.31	204.91 16.38 -39.19	190.27 17.00 -9.02	166.55 8.30 -85.04	168.05 12.16 -49.02	162.93 8.80 -78.46	180.22 15.60 -30.42	167.59 17.21 -0.78	152.26 14.82 -13.27
PPL_SHRM_GT4 24214	162.22 13.79 -1.21	156.02 14.16 -1.34	151.82 12.36 -22.22	157.84 14.94 -3.84	161.81 15.74 -1.12	162.83 16.99 -1.32	171.55 18.41 -4.82	269.80 17.97 -112.92	255.36 9.58 -168.78	185.13 16.41 -29.67	221.90 17.07 -2.19	203.40 14.50 -60.60	156.81 10.79 -53.40	151.86 11.38 -30.95	157.45 12.48 -21.46	155.71 14.09 -6.31	204.91 16.38 -39.19	190.27 17.00 -9.02	166.55 8.30 -85.04	168.05 12.16 -49.02	162.93 8.80 -78.46	180.22 15.60 -30.42	167.59 17.21 -0.78	152.26 14.82 -13.27
PROJECT___ORANGE 1 24174	144.49 -2.73 0.00	138.26 -2.27 0.00	115.34 -1.90 0.00	136.55 -2.52 0.00	142.79 -2.16 0.00	143.23 -1.29 0.00	147.13 -1.20 0.00	138.66 -1.15 -0.89	84.80 -0.61 -8.41	139.90 -1.71 -2.57	199.68 -3.04 -0.08	129.07 -2.21 -2.99	91.73 -1.63 -0.74	107.88 -1.97 -0.33	121.19 -2.33 0.00	133.22 -2.28 -0.20	147.25 -2.10 0.00	161.90 -2.35 0.00	76.99 -0.90 -4.68	105.39 -1.48 0.00	79.82 -1.08 -5.23	132.15 -2.04 0.00	147.02 -2.58 0.00	122.60 -2.04 -0.47
PROJECT___ORANGE 2 24166	144.49 -2.73 0.00	138.26 -2.27 0.00	115.34 -1.90 0.00	136.55 -2.52 0.00	142.79 -2.16 0.00	143.23 -1.29 0.00	147.13 -1.20 0.00	138.66 -1.15 -0.89	84.80 -0.61 -8.41	139.90 -1.71 -2.57	199.68 -3.04 -0.08	129.07 -2.21 -2.99	91.73 -1.63 -0.74	107.88 -1.97 -0.33	121.19 -2.33 0.00	133.22 -2.28 -0.20	147.25 -2.10 0.00	161.90 -2.35 0.00	76.99 -0.90 -4.68	105.39 -1.48 0.00	79.82 -1.08 -5.23	132.15 -2.04 0.00	147.02 -2.58 0.00	122.60 -2.04 -0.47
PUCKETT___SOLAR 323809	149.97 2.76 0.00	143.58 3.05 0.00	119.99 2.75 0.00	141.69 2.63 0.00	148.13 3.18 0.00	149.00 4.48 0.00	154.12 4.91 -0.88	151.15 4.61 -7.61	111.43 2.34 -32.08	151.54 3.04 -9.46	205.47 2.53 -0.31	140.49 1.19 -11.00	95.97 0.63 -2.73	111.17 0.45 -1.20	124.12 0.61 0.00	137.92 1.89 -0.72	153.05 3.71 0.00	169.85 3.84 -1.76	95.90 1.90 -20.79	113.25 2.75 -3.62	97.99 1.97 -20.36	137.79 3.60 0.00	152.85 3.25 0.00	128.57 2.68 -1.72
PYRITES___HYD 24023	149.05 1.84 0.00	141.65 1.12 0.00	118.22 0.98 0.00	141.08 2.02 0.00	145.91 0.96 0.00	142.65 -1.87 0.00	145.50 -2.83 0.00	136.09 -2.84 0.00	75.20 -1.80 0.00	136.46 -2.58 0.00	201.06 -1.58 0.00	126.96 -1.34 0.00	90.99 -1.63 0.00	107.54 -1.99 0.00	121.70 -1.82 0.00	133.32 -1.99 0.00	148.26 -1.09 0.00	163.96 -0.29 0.00	72.28 -0.93 0.00	105.41 -1.46 0.00	74.46 -1.20 0.00	133.42 -0.77 0.00	150.67 1.07 0.00	124.99 0.82 0.00
QUAKERRD_115KV_BK1 80622	138.41 -8.81 0.00	133.01 -7.52 0.00	111.34 -5.90 0.00	131.43 -7.64 0.00	137.98 -6.97 0.00	138.84 -5.68 0.00	141.94 -6.39 0.00	132.92 -7.17 -1.17	84.22 -3.86 -11.08	134.46 -7.98 -3.39	190.18 -11.32 1.14	124.73 -7.50 -3.94	88.16 -5.43 -0.98	102.97 -6.80 -0.24	115.63 -7.88 0.00	127.13 -8.43 -0.26	140.00 -8.89 0.46	147.67 -9.67 6.91	74.92 -4.46 -6.17	98.79 -6.70 1.37	77.99 -4.57 -6.89	123.08 -8.53 2.59	138.74 -9.61 1.26	117.27 -7.52 -0.62
QUEENSBRY_115KV_TB8 356137	160.06 12.85 0.00	152.55 12.02 0.00	127.09 9.85 0.00	150.32 11.25 0.00	157.14 12.19 0.00	158.48 13.96 0.00	172.02 14.73 -8.96	210.29 14.73 -56.64	214.97 7.86 -130.11	188.96 13.63 -36.28	222.66 18.85 -1.18	181.57 11.10 -42.18	110.45 7.36 -10.48	122.89 8.77 -4.59	133.38 9.86 0.00	149.79 11.70 -2.78	162.86 13.51 0.00	208.44 15.60 -28.59	182.53 7.18 -102.14	157.50 10.44 -40.19	168.09 7.42 -85.01	146.38 12.19 0.00	162.55 12.95 0.00	142.15 11.34 -6.63
RAMAPO___LBMP 323565	156.31 9.09 0.00	149.33 8.80 0.00	124.54 7.30 0.00	147.05 7.99 0.00	153.82 8.87 0.00	154.64 10.12 0.00	160.83 10.51 -1.99	168.96 10.73 -19.31	175.81 5.98 -92.84	176.63 9.98 -27.60	216.40 12.87 -0.90	169.22 8.83 -32.09	106.85 6.26 -7.97	119.96 6.94 -3.49	131.08 7.57 0.00	145.79 8.37 -2.11	158.28 8.93 0.00	176.99 9.46 -3.28	136.15 4.65 -58.29	121.63 6.82 -7.93	139.38 5.06 -58.66	104.66 8.62 38.16	157.50 9.27 1.37	135.12 7.41 -3.54
RANKINE____ 23646	135.31 -11.91 0.00	130.81 -9.72 0.00	110.00 -7.24 0.00	129.34 -9.72 0.00	136.55 -8.40 0.00	138.02 -6.50 0.00	140.24 -8.27 -0.18	131.03 -10.74 -2.85	86.72 -5.85 -15.57	131.98 -11.81 -4.75	184.77 -15.49 2.38	123.37 -10.45 -5.52	86.42 -7.57 -1.37	100.01 -9.73 -0.21	112.06 -11.45 0.00	123.20 -12.47 -0.36	135.41 -13.01 0.93	136.33 -14.15 13.78	76.35 -6.97 -10.11	95.24 -10.19 1.45	78.87 -6.91 -10.11	116.15 -12.43 5.61	133.58 -13.48 2.55	114.60 -10.44 -0.86
RAVENSWOOD_GT2_1 24244	158.81 11.59 0.00	151.73 11.20 0.00	126.52 9.29 0.00	149.33 10.27 0.00	156.28 11.33 0.00	157.20 12.68 0.00	163.69 13.29 -2.07	172.25 13.23 -20.10	180.95 7.37 -96.57	180.36 12.60 -28.71	221.76 16.68 -2.45	173.23 11.56 -33.38	109.30 8.39 -8.29	122.50 9.34 -3.63	133.67 10.16 0.00	148.61 11.11 -2.20	160.94 11.59 0.00	179.49 11.82 -3.42	139.74 5.89 -60.64	123.87 8.73 -8.26	143.08 6.40 -61.02	167.19 11.45 -21.54	162.47 12.10 -0.77	140.91 10.66 -6.08

RAVENSWOOD_GT2_2 24245	158.81 11.59 0.00	151.73 11.20 0.00	126.52 9.29 0.00	149.33 10.27 0.00	156.28 11.33 0.00	157.20 12.68 0.00	163.69 13.29 -2.07	172.25 13.23 -20.10	180.95 7.37 -96.57	180.36 12.60 -28.71	221.76 -2.45 -33.38	173.23 11.56 -8.29	109.30 8.39 -3.63	122.50 9.34 0.00	133.67 10.16 0.00	148.61 11.11 -2.20	160.94 11.59 0.00	179.49 11.82 -3.42	139.74 5.89 -60.64	123.87 8.73 -8.26	143.08 6.40 -61.02	167.19 11.45 -21.54	162.47 12.10 -0.77	140.91 10.66 -6.08
RAVENSWOOD_GT2_3 24246	158.86 11.64 0.00	151.80 11.27 0.00	126.56 9.32 0.00	149.41 10.35 0.00	156.34 11.39 0.00	157.30 12.78 0.00	163.79 13.39 -2.07	172.30 13.28 -20.10	180.99 7.42 -96.57	180.46 12.70 -28.71	221.81 16.73 -2.45	173.32 11.64 -33.38	109.36 8.45 -8.29	122.57 9.41 -3.63	133.75 10.24 0.00	148.73 11.22 -2.20	160.99 11.64 0.00	179.56 11.89 -3.42	139.77 5.92 -60.64	123.93 8.80 -8.26	143.14 6.45 -61.02	167.26 11.52 -21.54	162.57 12.20 -0.77	140.97 10.72 -6.08
RAVENSWOOD_GT2_4 24247	158.86 11.64 0.00	151.80 11.27 0.00	126.56 9.32 0.00	149.41 10.35 0.00	156.34 11.39 0.00	157.30 12.78 0.00	163.79 13.39 -2.07	172.30 13.28 -20.10	180.99 7.42 -96.57	180.46 12.70 -28.71	221.81 16.73 -2.45	173.32 11.64 -33.38	109.36 8.45 -8.29	122.57 9.41 -3.63	133.75 10.24 0.00	148.73 11.22 -2.20	160.99 11.64 0.00	179.56 11.89 -3.42	139.77 5.92 -60.64	123.93 8.80 -8.26	143.14 6.45 -61.02	167.26 11.52 -21.54	162.57 12.20 -0.77	140.97 10.72 -6.08
RAVENSWOOD_GT3_1 24248	158.82 11.61 0.00	151.73 11.20 0.00	126.52 9.29 0.00	149.33 10.27 0.00	156.28 11.33 0.00	157.20 12.68 0.00	163.69 13.29 -2.07	172.25 13.23 -20.10	180.95 7.37 -96.57	180.36 12.60 -28.71	221.76 -2.45 -33.38	173.23 11.56 -8.29	109.30 8.40 -3.63	122.52 9.36 0.00	133.68 10.17 0.00	148.63 11.12 -2.20	160.94 11.59 0.00	179.49 11.82 -3.42	139.74 5.89 -60.64	123.88 8.74 -8.26	143.08 6.40 -61.02	167.19 11.45 -21.54	162.49 12.11 -0.77	140.91 10.66 -6.08
RAVENSWOOD_GT3_2 24249	158.82 11.61 0.00	151.73 11.20 0.00	126.52 9.29 0.00	149.33 10.27 0.00	156.28 11.33 0.00	157.20 12.68 0.00	163.69 13.29 -2.07	172.25 13.23 -20.10	180.95 7.37 -96.57	180.36 12.60 -28.71	221.76 -2.45 -33.38	173.23 11.56 -8.29	109.30 8.40 -3.63	122.52 9.36 0.00	133.68 10.17 0.00	148.63 11.12 -2.20	160.94 11.59 0.00	179.49 11.82 -3.42	139.74 5.89 -60.64	123.88 8.74 -8.26	143.08 6.40 -61.02	167.19 11.45 -21.54	162.49 12.11 -0.77	140.91 10.66 -6.08
RAVENSWOOD_GT3_3 24250	159.03 11.81 0.00	151.96 11.43 0.00	126.70 9.46 0.00	149.57 10.51 0.00	156.51 11.56 0.00	157.46 12.94 0.00	163.97 13.57 -2.07	172.48 13.46 -20.10	181.08 7.50 -96.57	180.63 12.88 -28.71	222.15 17.06 -2.45	173.49 11.81 -33.38	109.48 8.58 -8.29	122.72 9.55 -3.63	133.90 10.39 0.00	148.88 11.37 -2.20	161.19 11.84 0.00	179.82 12.15 -3.42	139.88 6.03 -60.64	124.07 8.94 -8.26	143.24 6.55 -61.02	167.43 11.69 -21.54	162.74 12.36 -0.77	141.12 10.86 -6.08
RAVENSWOOD_GT3_4 24251	159.03 11.81 0.00	151.96 11.43 0.00	126.70 9.46 0.00	149.57 10.51 0.00	156.51 11.56 0.00	157.46 12.94 0.00	163.97 13.57 -2.07	172.48 13.46 -20.10	181.08 7.50 -96.57	180.63 12.88 -28.71	222.15 17.06 -2.45	173.49 11.81 -33.38	109.48 8.58 -8.29	122.72 9.55 -3.63	133.90 10.39 0.00	148.88 11.37 -2.20	161.19 11.84 0.00	179.82 12.15 -3.42	139.88 6.03 -60.64	124.07 8.94 -8.26	143.24 6.55 -61.02	167.43 11.69 -21.54	162.74 12.36 -0.77	141.12 10.86 -6.08
RAVENSWOOD_GT_1 23729	171.68 12.38 -12.09	164.36 11.99 -11.84	143.66 9.93 -16.50	162.83 11.07 -12.70	168.65 12.15 -11.55	169.41 13.50 -11.39	175.35 14.11 -12.91	183.11 14.04 -30.14	192.00 7.80 -107.19	209.63 13.40 -57.18	277.09 17.80 -56.65	231.87 12.32 -91.25	353.78 8.90 -252.26	234.40 9.91 -114.97	202.53 10.78 -68.24	241.92 11.80 -94.82	241.99 12.34 -80.31	247.08 12.59 -70.24	229.09 6.16 -149.72	261.03 9.11 -145.05	224.98 6.69 -142.63	209.21 12.00 -63.01	197.71 12.75 -35.35	170.31 11.22 -34.91
RAVENSWOOD_GT_10 24258	158.75 11.53 0.00	152.69 11.19 -0.97	128.40 9.26 -1.90	150.80 10.27 -1.47	157.58 11.30 -1.33	158.49 12.66 -1.31	164.94 13.29 -3.32	173.36 13.19 -21.25	181.98 7.35 -97.64	181.52 12.60 -29.88	227.02 16.61 -7.77	178.22 11.56 -38.37	123.31 8.38 -22.31	129.52 9.33 -10.65	141.52 10.14 -7.87	159.25 11.09 -12.85	170.12 11.54 -9.23	187.20 11.82 -11.13	150.01 5.89 -70.92	139.65 8.73 -24.04	152.50 6.40 -70.44	171.96 11.44 -26.33	166.46 12.10 -4.76	144.22 10.65 -9.40
RAVENSWOOD_GT_11 24259	158.75 11.53 0.00	152.69 11.19 -0.97	128.40 9.26 -1.90	150.80 10.27 -1.47	157.58 11.30 -1.33	158.49 12.66 -1.31	164.94 13.29 -3.32	173.36 13.19 -21.25	181.98 7.35 -97.64	181.52 12.60 -29.88	227.02 16.61 -7.77	178.22 11.56 -38.37	123.31 8.38 -22.31	129.52 9.33 -10.65	141.52 10.14 -7.87	159.25 11.09 -12.85	170.12 11.54 -9.23	187.20 11.82 -11.13	150.01 5.89 -70.92	139.65 8.73 -24.04	152.50 6.40 -70.44	171.96 11.44 -26.33	166.46 12.10 -4.76	144.22 10.65 -9.40
RAVENSWOOD_GT_4 24252	167.81 11.40 -9.21	160.59 11.04 -9.01	138.94 9.14 -12.56	158.86 10.13 -9.67	164.91 11.16 -8.80	165.72 12.53 -8.67	171.80 13.15 -10.32	179.76 13.10 -27.75	187.88 7.30 -103.58	187.94 12.48 -36.41	230.52 16.51 -11.38	206.03 11.43 -66.30	201.75 8.33 -100.81	168.74 9.25 -49.96	185.53 10.07 -51.95	218.86 11.04 -72.51	221.75 11.46 -60.94	230.30 11.75 -54.30	207.56 5.88 -128.47	228.02 8.73 -112.42	205.23 6.40 -123.16	198.74 11.43 -53.12	188.76 12.06 -27.10	162.81 10.60 -28.03
RAVENSWOOD_GT_5 24254	167.81 11.40 -9.21	160.59 11.04 -9.01	138.94 9.14 -12.56	158.86 10.13 -9.67	164.91 11.16 -8.80	165.72 12.53 -8.67	171.80 13.15 -10.32	179.76 13.10 -27.75	187.88 7.30 -103.58	187.94 12.48 -36.41	230.52 16.51 -11.38	206.03 11.43 -66.30	201.75 8.33 -100.81	168.74 9.25 -49.96	185.53 10.07 -51.95	218.86 11.04 -72.51	221.75 11.46 -60.94	230.30 11.75 -54.30	207.56 5.88 -128.47	228.02 8.73 -112.42	205.23 6.40 -123.16	198.74 11.43 -53.12	188.76 12.06 -27.10	162.81 10.60 -28.03
RAVENSWOOD_GT_6 24253	167.81 11.40 -9.21	160.59 11.04 -9.01	138.94 9.14 -12.56	158.86 10.13 -9.67	164.91 11.16 -8.80	165.72 12.53 -8.67	171.80 13.15 -10.32	179.76 13.10 -27.75	187.88 7.30 -103.58	187.94 12.48 -36.41	230.52 16.51 -11.38	206.03 11.43 -66.30	201.75 8.33 -100.81	168.74 9.25 -49.96	185.53 10.07 -51.95	218.86 11.04 -72.51	221.75 11.46 -60.94	230.30 11.75 -54.30	207.56 5.88 -128.47	228.02 8.73 -112.42	205.23 6.40 -123.16	198.74 11.43 -53.12	188.76 12.06 -27.10	162.81 10.60 -28.03
RAVENSWOOD_GT_7 24255	167.81 11.40 -9.21	160.59 11.04 -9.01	138.94 9.14 -12.56	158.86 10.13 -9.67	164.91 11.16 -8.80	165.72 12.53 -8.67	171.80 13.15 -10.32	179.76 13.10 -27.75	187.88 7.30 -103.58	187.94 12.48 -36.41	230.52 16.51 -11.38	206.03 11.43 -66.30	201.75 8.33 -100.81	168.74 9.25 -49.96	185.53 10.07 -51.95	218.86 11.04 -72.51	221.75 11.46 -60.94	230.30 11.75 -54.30	207.56 5.88 -128.47	228.02 8.73 -112.42	205.23 6.40 -123.16	198.74 11.43 -53.12	188.76 12.06 -27.10	162.81 10.60 -28.03
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	158.75 11.53 0.00	152.69 11.19 -0.97	128.40 9.26 -1.90	150.80 10.27 -1.47	157.58 11.30 -1.33	158.49 12.66 -1.31	164.94 13.29 -3.32	173.36 13.19 -21.25	181.98 7.35 -97.64	181.52 12.60 -29.88	227.02 16.61 -7.77	178.22 11.56 -38.37	123.31 8.38 -22.31	129.52 9.33 -10.65	141.52 10.14 -7.87	159.25 11.09 -12.85	170.12 11.54 -9.23	187.20 11.82 -11.13	150.01 5.89 -70.92	139.65 8.73 -24.04	152.50 6.40 -70.44	171.96 11.44 -26.33	166.46 12.10 -4.76	144.22 10.65 -9.40

RAVENSWOOD_GT_9 24257	158.75 11.53 0.00	152.69 11.19 -0.97	128.40 9.26 -1.90	150.80 10.27 -1.47	157.58 11.30 -1.33	158.49 12.66 -1.31	164.94 13.29 -3.32	173.36 13.19 -21.25	181.98 7.35 -97.64	181.52 12.60 -29.88	227.02 16.61 -7.77	178.22 11.56 -38.37	123.31 8.38 -22.31	129.52 9.33 -10.65	141.52 10.14 -7.87	159.25 11.09 -12.85	170.12 11.54 -9.23	187.20 11.82 -11.13	150.01 5.89 -70.92	139.65 8.73 -24.04	152.50 6.40 -70.44	171.96 11.44 -26.33	166.46 12.10 -4.76	144.22 10.65 -9.40
RAVENSWOOD___1 23533	159.56 12.34 -0.01	144.17 11.91 8.28	110.85 9.84 16.23	137.54 10.96 12.49	145.64 12.05 11.36	146.72 13.41 11.20	153.72 13.99 8.59	163.93 13.90 -11.10	172.24 7.73 -87.51	171.02 13.22 -18.75	210.87 17.34 9.10	131.24 12.14 9.20	-9.98 8.76 111.35	63.00 9.76 56.29	66.96 10.63 67.18	58.20 11.63 88.74	82.69 12.15 78.81	114.19 12.32 62.38	52.14 6.01 27.08	-10.70 8.87 126.44	62.84 6.52 19.35	126.64 11.73 19.29	128.81 12.48 33.27	112.90 11.03 22.31
RAVENSWOOD___2 23534	159.30 12.08 -0.01	152.21 11.68 0.00	126.90 9.65 -0.01	149.84 10.77 -0.01	156.79 11.83 -0.01	157.71 13.19 -0.01	164.15 13.75 -2.08	173.16 13.69 -20.55	181.89 7.61 -97.27	190.03 12.99 -37.99	243.66 16.83 -24.20	180.92 11.96 -40.66	170.18 8.62 -68.94	147.76 9.60 -28.63	133.95 10.43 -0.01	149.14 11.44 -2.40	161.47 11.93 -0.20	179.39 11.71 -3.42	139.39 5.54 -60.64	123.21 8.08 -8.26	142.78 6.09 -61.02	167.09 11.36 -21.54	162.67 12.29 -0.77	141.10 10.85 -6.08
RAVENSWOOD___3 23535	158.82 11.61 0.00	151.74 11.21 0.00	126.51 9.27 0.00	149.34 10.28 0.00	156.29 11.35 0.00	157.20 12.69 0.00	163.70 13.30 -2.07	172.27 13.25 -20.10	180.95 7.37 -96.57	180.36 12.60 -28.71	221.67 16.59 -2.45	173.23 11.56 -33.38	109.31 8.40 -8.29	122.51 9.35 -3.63	133.66 10.15 0.00	148.62 11.11 -2.20	160.93 11.58 0.00	179.51 11.83 -3.42	139.73 5.88 -60.64	123.85 8.71 -8.26	143.08 6.40 -61.02	167.12 11.38 -21.54	162.48 12.11 -0.77	140.92 10.66 -6.08
RAVENSWOOD___4 23820	147.66 12.34 11.89	140.77 11.89 11.65	110.85 9.84 16.23	137.54 10.96 12.49	145.64 12.05 11.36	146.72 13.41 11.20	153.72 13.99 8.59	163.93 13.90 -11.10	172.24 7.73 -87.51	171.02 13.22 -18.75	210.87 17.34 9.10	131.24 12.14 9.20	-9.98 8.76 111.35	63.00 9.76 56.29	66.96 10.63 67.18	58.20 11.63 88.74	82.69 12.15 78.81	114.19 12.32 62.38	52.14 6.01 27.08	-10.70 8.87 126.44	62.84 6.52 19.35	126.64 11.73 19.29	128.81 12.48 33.27	112.90 11.03 22.31
RCPL_TRUST___DRP 24196	158.83 11.62 0.00	151.76 11.23 0.00	126.54 9.31 0.00	149.37 10.30 0.00	156.29 11.34 0.00	157.24 12.72 0.00	163.77 13.37 -2.07	172.43 13.41 -20.09	181.08 7.52 -96.56	180.69 12.93 -28.71	223.09 17.19 -3.26	173.51 11.84 -33.37	109.50 8.59 -8.29	122.76 9.60 -3.63	133.95 10.44 0.00	148.95 11.45 -2.20	161.35 12.01 0.00	179.98 12.30 -3.42	139.87 6.03 -60.63	123.96 8.83 -8.26	143.11 6.43 -61.01	167.37 11.51 -21.67	162.53 12.15 -0.78	140.96 10.71 -6.08
RED___ROCHESTER 323720	141.59 -5.63 0.00	136.11 -4.42 0.00	114.10 -3.13 0.00	134.45 -4.61 0.00	141.26 -3.69 0.00	142.27 -2.25 0.00	145.17 -3.16 0.00	135.80 -4.32 -1.21	86.23 -2.21 -11.44	137.42 -5.13 -3.50	194.37 -6.99 1.27	127.40 -4.96 -4.07	90.05 -3.57 -1.01	105.20 -4.55 -0.23	118.15 -5.36 0.00	129.78 -5.80 -0.27	142.92 -5.92 0.51	150.29 -6.32 7.64	83.31 -2.94 -13.04	104.52 -4.47 -2.12	79.81 -2.97 -7.12	125.62 -5.72 2.86	141.56 -6.65 1.39	119.83 -4.98 -0.64
REGAN___SOLAR 323812	157.87 10.66 0.00	150.57 10.04 0.00	125.71 8.47 0.00	149.04 9.98 0.00	155.79 10.83 0.00	156.30 11.78 0.00	169.87 12.69 -8.85	208.20 12.29 -56.99	221.86 6.47 -138.40	188.70 10.80 -38.86	217.83 13.94 -1.26	179.36 5.89 -45.17	106.63 2.80 -11.22	117.33 2.88 -4.92	126.36 2.85 0.00	143.73 5.45 -2.97	159.84 10.49 0.00	206.34 13.65 -28.44	185.73 6.13 -106.39	155.54 8.90 -39.76	171.98 6.20 -90.12	144.96 10.76 0.00	161.23 11.63 0.00	140.68 9.40 -7.10
RENSSELAER___COGEN 23796	152.85 5.63 0.00	146.05 5.52 0.00	121.79 4.55 0.00	143.99 4.92 0.00	150.52 5.57 0.00	150.87 6.35 0.00	160.14 6.42 -5.39	183.46 5.93 -38.61	201.81 3.36 -121.45	180.14 6.08 -35.01	212.11 8.34 -1.14	174.66 5.66 -40.70	107.04 4.31 -10.11	119.03 5.07 -4.43	128.88 5.37 0.00	143.76 5.78 -2.68	155.09 5.74 0.00	185.90 6.40 -15.24	161.89 3.11 -85.57	134.92 4.42 -23.62	156.76 3.08 -78.01	139.25 5.06 0.00	154.76 5.16 0.00	135.65 5.07 -6.40
REPUBLIC_115KV_BARTNBRK 55605	168.16 20.94 0.00	159.61 19.08 0.00	132.92 15.68 0.00	157.03 17.96 0.00	164.82 19.87 0.00	167.50 22.99 0.00	180.90 23.65 -8.92	219.19 23.84 -56.43	219.66 12.68 -129.98	197.31 22.01 -36.26	234.55 30.74 -1.18	187.49 17.05 -42.14	114.57 11.48 -10.47	127.83 13.72 -4.59	138.78 15.26 0.00	156.31 18.22 -2.78	171.00 21.65 0.00	218.37 25.67 -28.44	186.82 11.68 -101.93	164.00 17.13 -40.00	172.63 12.06 -84.91	153.79 19.59 0.00	170.23 20.63 0.00	149.15 18.34 -6.63
REVERE_CPDR_DRP 24186	151.70 4.48 0.00	144.82 4.29 0.00	120.70 3.46 0.00	143.33 4.27 0.00	150.10 5.15 0.00	150.72 6.20 0.00	155.28 6.95 0.00	146.47 7.07 -0.48	85.38 3.82 -4.55	146.86 6.42 -1.39	210.27 7.59 -0.05	134.21 4.30 -1.62	95.56 2.54 -0.40	112.96 3.25 -0.17	127.51 4.00 0.00	140.00 4.59 -0.11	155.71 6.36 0.00	171.77 7.51 0.00	78.99 3.25 -2.53	111.38 4.51 0.00	81.57 3.08 -2.83	140.80 6.61 0.00	157.05 7.45 0.00	130.35 5.92 -0.25
REYNOLDS_115KV_TB3 80639	153.40 6.18 0.00	146.55 6.02 0.00	122.22 4.98 0.00	144.50 5.44 0.00	151.05 6.09 0.00	151.42 6.90 0.00	161.16 6.97 -5.86	186.48 6.59 -40.97	202.89 3.61 -122.28	180.67 6.53 -35.09	213.00 9.23 -1.14	175.37 6.29 -40.79	107.41 4.66 -10.13	119.49 5.52 -4.44	129.43 5.92 0.00	144.37 6.38 -2.69	155.57 6.22 0.00	188.24 7.01 -16.97	164.12 3.37 -87.54	137.54 4.91 -25.75	157.90 3.51 -78.73	139.95 5.75 0.00	155.61 6.01 0.00	136.43 5.83 -6.42
RIVERBAY____ 323610	159.79 12.57 -0.01	152.66 12.12 0.00	127.45 10.20 -0.01	150.52 11.45 -0.01	157.44 12.48 -0.01	158.30 13.78 -0.01	164.65 14.24 -2.08	173.09 14.06 -20.10	181.40 7.82 -96.58	180.79 13.02 -28.72	223.83 16.97 -4.24	173.39 11.72 -33.38	109.48 8.57 -8.29	122.65 9.48 -3.64	133.92 10.40 -0.01	149.07 11.56 -2.20	161.30 11.94 -0.01	179.96 12.28 -3.42	140.34 6.49 -60.64	124.41 9.28 -8.26	143.48 6.80 -61.02	167.61 11.87 -21.54	162.82 12.44 -0.77	141.25 11.00 -6.08
RIVERSIDE_115KV_TB3 55908	153.34 6.13 0.00	146.51 5.98 0.00	122.18 4.94 0.00	144.44 5.38 0.00	150.97 6.02 0.00	151.38 6.86 0.00	161.18 6.93 -5.92	186.63 6.45 -41.26	203.11 3.50 -122.61	180.58 6.37 -35.17	212.61 8.84 -1.14	175.16 5.98 -40.89	107.29 4.52 -10.16	119.34 5.36 -4.45	129.18 5.67 0.00	144.12 6.13 -2.69	155.38 6.03 0.00	188.12 6.74 -17.12	164.34 3.26 -87.86	137.50 4.67 -25.95	157.86 3.24 -78.96	139.53 5.34 0.00	155.10 5.50 0.00	136.11 5.50 -6.43
ROARING___BROOK_WT_PWR 323790	145.05 -2.16 0.00	137.49 -3.04 0.00	115.05 -2.19 0.00	137.28 -1.79 0.00	143.05 -1.90 0.00	141.79 -2.73 0.00	145.14 -3.20 0.00	135.57 -3.35 0.00	75.16 -1.84 0.00	135.67 -3.37 0.00	198.72 -3.92 0.00	126.04 -2.25 0.00	90.93 -1.69 0.00	107.94 -1.59 0.00	121.68 -1.83 0.00	133.33 -1.98 0.00	147.17 -2.18 0.00	162.07 -2.19 0.00	71.76 -1.45 0.00	104.48 -2.39 0.00	73.89 -1.77 0.00	131.59 -2.61 0.00	147.92 -1.68 0.00	123.22 -0.96 0.00

ROCHESRG_115KV_T4 355643	139.70 -7.52 0.00	134.34 -6.19 0.00	112.53 -4.71 0.00	132.77 -6.29 0.00	139.43 -5.52 0.00	140.39 -4.12 0.00	143.19 -5.12 0.02	133.76 -6.29 -1.12	84.98 -3.32 -11.30	135.43 -7.09 -3.47	191.50 -9.88 1.25	125.70 -6.63 -4.03	88.82 -4.80 -1.00	103.68 -6.08 -0.23	116.36 -7.15 0.00	127.87 -7.70 -0.27	140.78 -8.07 0.50	147.94 -8.77 7.55	80.44 -4.12 -11.35	101.94 -6.17 -1.24	78.62 -4.11 -7.07	123.64 -7.68 2.87	139.64 -8.59 1.37	118.26 -6.54 -0.63
ROCHESTER_9_IC 23652	140.70 -6.51 0.00	135.27 -5.26 0.00	113.32 -3.92 0.00	133.65 -5.41 0.00	140.40 -4.55 0.00	141.41 -3.11 0.00	144.27 -4.06 0.00	134.90 -5.23 -1.21	85.73 -2.71 -11.44	136.48 -6.06 -3.50	192.90 -8.47 1.27	126.63 -5.73 -4.07	89.47 -4.16 -1.01	104.45 -5.30 -0.23	117.26 -6.25 0.00	128.88 -6.69 -0.27	141.87 -6.97 0.51	149.14 -7.47 7.64	82.70 -3.55 -13.04	103.67 -5.32 -2.12	79.28 -3.50 -7.12	124.61 -6.73 2.86	140.63 -7.58 1.39	119.08 -5.74 -0.64
ROCKVIEW_13_KV_LD 356306	158.80 11.58 0.00	151.76 11.23 0.00	126.55 9.32 0.00	149.37 10.30 0.00	156.24 11.28 0.00	157.17 12.65 0.00	163.67 13.27 -2.07	172.28 13.26 -20.10	180.96 7.38 -96.57	180.38 12.63 -28.71	222.29 16.75 -2.90	173.13 11.46 -33.38	109.18 8.27 -8.29	122.49 9.33 -3.63	133.67 10.16 0.00	148.66 11.16 -2.20	161.15 11.80 0.00	179.98 12.30 -3.42	139.87 6.02 -60.64	124.00 8.86 -8.26	143.19 6.50 -61.02	167.22 11.44 -21.58	162.46 12.08 -0.78	140.90 10.65 -6.08
ROME____115KV_TB2 80656	151.70 4.48 0.00	144.82 4.29 0.00	120.70 3.46 0.00	143.33 4.27 0.00	150.10 5.15 0.00	150.72 6.20 0.00	155.28 6.95 0.00	146.47 7.07 -0.48	85.38 3.82 -4.55	146.86 6.42 -1.39	210.27 7.59 -0.05	134.21 4.30 -1.62	95.56 2.54 -0.40	112.96 3.25 -0.17	127.51 4.00 0.00	140.00 4.59 -0.11	155.71 6.36 0.00	171.77 7.51 0.00	78.99 3.25 -2.53	111.38 4.51 0.00	81.57 3.08 -2.83	140.80 6.61 0.00	157.05 7.45 0.00	130.35 5.92 -0.25
ROSETON___1 23587	155.98 8.76 0.00	149.21 8.68 0.00	124.45 7.21 0.00	147.00 7.93 0.00	153.63 8.67 0.00	154.36 9.84 0.00	160.46 10.08 -2.05	168.91 10.00 -19.99	179.07 5.57 -96.50	177.19 9.45 -28.70	215.82 12.25 -0.93	170.09 8.43 -33.36	107.10 6.19 -8.29	120.30 7.14 -3.63	131.30 7.78 0.00	146.07 8.57 -2.20	158.23 8.88 0.00	176.70 9.10 -3.34	138.34 4.60 -60.53	121.83 6.79 -8.17	141.67 5.04 -60.97	142.96 8.77 0.00	158.86 9.26 0.00	137.63 8.22 -5.23
ROSETON___2 23588	155.98 8.76 0.00	149.21 8.68 0.00	124.45 7.21 0.00	147.00 7.93 0.00	153.63 8.67 0.00	154.36 9.84 0.00	160.46 10.08 -2.05	168.91 10.00 -19.99	179.07 5.57 -96.50	177.19 9.45 -28.70	215.82 12.25 -0.93	170.09 8.43 -33.36	107.10 6.19 -8.29	120.30 7.14 -3.63	131.30 7.78 0.00	146.07 8.57 -2.20	158.23 8.88 0.00	176.70 9.10 -3.34	138.34 4.60 -60.53	121.83 6.79 -8.17	141.67 5.04 -60.97	142.96 8.77 0.00	158.86 9.26 0.00	137.63 8.22 -5.23
ROTRDAM_115KV_TB3 80664	153.11 5.89 0.00	146.22 5.69 0.00	121.92 4.68 0.00	144.35 5.29 0.00	150.76 5.81 0.00	151.10 6.59 0.00	164.85 6.87 -9.65	205.78 6.72 -60.14	212.92 3.63 -132.30	182.01 6.28 -36.68	212.28 8.45 -1.19	176.19 5.24 -42.65	106.82 3.62 -10.59	118.42 4.25 -4.64	128.22 4.71 0.00	143.51 5.40 -2.81	155.44 6.09 0.00	202.23 6.82 -31.14	182.10 3.28 -105.61	155.00 4.76 -43.37	165.81 3.47 -86.68	140.06 5.87 0.00	155.83 6.23 0.00	136.43 5.55 -6.71
RUSSELL___1 23602	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
RUSSELL___2 23532	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
RUSSELL___3 23549	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
RUSSELL___4 23556	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
RUSSELL___STATION 23914	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
S SALMON___HYD 24043	144.58 -2.64 0.00	137.87 -2.66 0.00	114.84 -2.40 0.00	136.07 -2.99 0.00	142.69 -2.26 0.00	142.99 -1.53 0.00	147.10 -1.23 0.00	138.96 -0.66 -0.70	83.28 -0.35 -6.64	140.25 -0.83 -2.03	201.20 -1.50 -0.07	129.05 -1.60 -2.36	91.64 -1.56 -0.59	108.14 -1.64 -0.26	121.65 -1.86 0.00	133.50 -1.96 -0.15	147.69 -1.66 0.00	162.82 -1.43 0.00	76.06 -0.85 -3.69	105.29 -1.58 0.00	78.46 -1.33 -4.13	132.60 -1.59 0.00	148.29 -1.31 0.00	123.49 -1.06 -0.37
S.PERRY___115KV_TB1 80734	144.59 -2.63 0.00	139.01 -1.53 0.00	116.52 -0.72 0.00	137.43 -1.64 0.00	144.90 -0.05 0.00	143.57 -0.94 0.00	145.29 -4.03 -0.99	139.84 -4.56 -5.48	93.14 -1.92 -18.06	135.67 -8.32 -4.95	186.02 -13.21 3.40	124.51 -9.54 -5.75	86.77 -7.27 -1.43	100.56 -9.05 -0.08	114.08 -9.43 0.00	126.88 -8.81 -0.38	140.72 -7.32 1.30	138.37 -6.44 19.45	81.11 -2.65 -10.55	100.76 -3.60 2.51	86.20 -0.01 -10.54	126.45 -1.60 6.15	143.12 -2.90 3.58	122.70 -2.37 -0.90
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	134.04 -13.17 0.00	129.55 -10.98 0.00	108.95 -8.29 0.00	128.12 -10.94 0.00	135.19 -9.76 0.00	136.62 -7.90 0.00	138.60 -9.90 -0.17	129.25 -12.40 -2.72	85.20 -6.72 -14.91	130.22 -13.37 -4.55	182.69 -17.74 2.21	121.83 -11.75 -5.29	85.46 -8.47 -1.31	98.97 -10.77 -0.22	110.80 -12.71 0.00	121.68 -13.97 -0.35	133.58 -14.91 0.86	135.12 -16.28 12.85	67.05 -7.92 -1.77	89.66 -11.57 5.64	77.56 -7.79 -9.68	114.96 -13.98 5.25	132.04 -15.19 2.38	113.41 -11.60 -0.83

SAWYER___23_KV_LOAD 55526	134.04 -13.17 0.00	129.55 -10.98 0.00	108.95 -8.29 0.00	128.12 -10.94 0.00	135.19 -9.76 0.00	136.62 -7.90 0.00	138.60 -9.90 -0.17	129.25 -12.40 -2.72	85.20 -6.72 -14.91	130.22 -13.37 -4.55	182.69 -17.74 2.21	121.83 -11.75 -5.29	85.46 -8.47 -1.31	98.97 -10.77 -0.22	110.80 -12.71 0.00	121.68 -13.97 -0.35	133.58 -14.91 0.86	135.12 -16.28 12.85	67.05 -7.92 -1.77	89.66 -11.57 5.64	77.56 -7.79 -9.68	114.96 -13.98 5.25	132.04 -15.19 2.38	113.41 -11.60 -0.83
SELKIRK___I 23801	153.07 5.86 0.00	146.27 5.74 0.00	122.03 4.79 0.00	144.35 5.29 0.00	150.80 5.85 0.00	151.14 6.63 0.00	159.33 6.72 -4.29	178.12 6.19 -33.01	198.71 3.32 -118.39	179.38 5.82 -34.52	211.68 7.92 -1.12	173.66 5.23 -40.13	106.42 3.84 -9.97	118.51 4.62 -4.37	128.37 4.85 0.00	143.55 5.61 -2.64	155.20 5.85 0.00	181.70 6.42 -11.03	156.43 3.08 -80.14	129.67 4.42 -18.38	154.39 3.13 -75.60	139.52 5.33 0.00	155.18 5.58 0.00	135.84 5.35 -6.31
SELKIRK___II 23799	152.70 5.49 0.00	145.93 5.40 0.00	121.68 4.45 0.00	143.93 4.87 0.00	150.39 5.44 0.00	150.73 6.21 0.00	159.14 6.30 -4.51	179.05 5.90 -34.23	200.05 3.28 -119.77	179.73 5.84 -34.85	211.69 7.92 -1.13	174.19 5.39 -40.51	106.68 4.00 -10.06	118.70 4.76 -4.41	128.59 5.07 0.00	143.46 5.49 -2.67	154.85 5.50 0.00	182.07 5.97 -11.84	157.81 2.94 -81.66	130.54 4.24 -19.42	155.23 3.01 -76.56	139.25 5.05 0.00	154.83 5.23 0.00	135.60 5.05 -6.37
SENECA OSWGO___HYD 24041	143.82 -3.39 0.00	137.54 -2.99 0.00	114.71 -2.53 0.00	135.81 -3.25 0.00	142.05 -2.90 0.00	142.42 -2.10 0.00	146.31 -2.02 0.00	137.86 -1.84 -0.79	83.46 -0.99 -7.45	139.16 -2.17 -2.28	198.87 -3.84 -0.07	128.13 -2.81 -2.65	91.19 -2.09 -0.66	107.37 -2.45 -0.29	120.55 -2.96 0.00	132.60 -2.88 -0.17	146.55 -2.80 0.00	161.21 -3.05 0.00	76.06 -1.29 -4.15	104.82 -2.05 0.00	78.81 -1.49 -4.63	131.37 -2.83 0.00	146.15 -3.45 0.00	121.85 -2.74 -0.41
SENECA___115KV_TB3 355854	135.60 -11.61 0.00	131.07 -9.46 0.00	110.21 -7.03 0.00	129.62 -9.45 0.00	136.81 -8.14 0.00	138.29 -6.22 0.00	140.53 -7.98 -0.18	131.34 -10.43 -2.85	86.88 -5.69 -15.57	132.29 -11.50 -4.75	185.20 -15.06 2.38	123.62 -10.19 -5.52	86.60 -7.39 -1.37	100.23 -9.51 -0.21	112.30 -11.21 0.00	123.50 -12.17 -0.36	135.72 -12.70 0.93	136.67 -13.81 13.78	76.50 -6.81 -10.11	95.45 -9.97 1.45	79.02 -6.76 -10.11	116.42 -12.16 5.61	133.85 -13.20 2.55	114.85 -10.19 -0.86
SENECA___ENERGY 23797	143.39 -3.82 0.00	137.67 -2.86 0.00	114.91 -2.33 0.00	135.93 -3.14 0.00	142.38 -2.57 0.00	143.42 -1.10 0.00	147.48 -1.16 -0.32	140.21 -1.48 -2.76	88.68 -0.85 -12.52	139.67 -3.07 -3.69	197.86 -4.40 0.37	128.98 -3.61 -4.29	91.20 -2.48 -1.07	106.41 -3.51 -0.39	119.60 -3.91 0.00	132.12 -3.47 -0.28	146.30 -2.87 0.18	159.03 -2.69 2.54	80.12 -0.92 -7.84	105.59 -1.75 -0.47	82.32 -1.20 -7.86	130.62 -2.64 0.94	145.50 -3.60 0.49	122.01 -2.84 -0.67
SHOEMAKER___GT 23640	155.25 8.03 0.00	148.38 7.86 0.00	123.84 6.60 0.00	146.29 7.23 0.00	152.84 7.89 0.00	153.47 8.95 0.00	159.51 9.29 -1.89	166.61 9.34 -18.35	170.44 5.19 -88.25	174.00 8.71 -26.24	214.80 11.32 -0.85	166.41 7.61 -30.50	105.69 5.50 -7.58	119.10 6.25 -3.32	130.29 6.77 0.00	144.78 7.47 -2.01	157.35 8.01 0.00	175.79 8.43 -3.11	132.81 4.20 -55.40	120.57 6.17 -7.54	135.97 4.55 -55.76	117.64 7.84 24.39	157.04 8.32 0.88	135.02 7.02 -3.83
SHOEMAKR_138KV_BK 111 55601	155.21 8.00 0.00	148.35 7.82 0.00	123.80 6.56 0.00	146.18 7.11 0.00	152.78 7.83 0.00	153.44 8.92 0.00	159.45 9.24 -1.88	166.42 9.27 -18.23	169.83 5.17 -87.65	173.77 8.66 -26.06	214.75 11.27 -0.84	166.20 7.61 -30.30	105.61 5.47 -7.53	119.06 6.23 -3.30	130.27 6.76 0.00	144.74 7.44 -1.99	157.32 7.97 0.00	175.72 8.38 -3.09	132.40 4.16 -55.03	120.48 6.12 -7.48	135.56 4.51 -55.38	118.66 7.80 23.33	156.99 8.23 0.84	134.97 6.96 -3.84
SHOREHAM_IC_1 23715	162.22 13.79 -1.21	156.02 14.16 -1.34	151.82 12.36 -22.22	157.84 14.94 -3.84	161.81 15.74 -1.12	162.83 16.99 -1.32	171.55 18.41 -4.82	269.80 17.97 -112.92	255.36 9.58 -168.78	185.13 16.41 -29.67	221.90 17.07 -2.19	203.40 14.50 -60.60	156.81 10.79 -53.40	151.86 11.38 -30.95	157.45 12.48 -21.46	155.71 14.09 -6.31	204.91 16.38 -39.19	190.27 17.00 -9.02	166.55 8.30 -85.04	168.05 12.16 -49.02	162.93 8.80 -78.46	180.22 15.60 -30.42	167.59 17.21 -0.78	152.26 14.82 -13.27
SHOREHAM_IC_2 23716	162.22 13.79 -1.21	156.02 14.16 -1.34	151.82 12.36 -22.22	157.84 14.94 -3.84	161.81 15.74 -1.12	162.83 16.99 -1.32	171.55 18.41 -4.82	269.80 17.97 -112.92	255.36 9.58 -168.78	185.13 16.41 -29.67	221.90 17.07 -2.19	203.40 14.50 -60.60	156.81 10.79 -53.40	151.86 11.38 -30.95	157.45 12.48 -21.46	155.71 14.09 -6.31	204.91 16.38 -39.19	190.27 17.00 -9.02	166.55 8.30 -85.04	168.05 12.16 -49.02	162.93 8.80 -78.46	180.22 15.60 -30.42	167.59 17.21 -0.78	152.26 14.82 -13.27
SISSONVILLE____ 23735	146.40 -0.82 0.00	139.06 -1.46 0.00	116.06 -1.18 0.00	138.59 -0.47 0.00	143.16 -1.79 0.00	139.82 -4.70 0.00	142.12 -6.21 0.00	132.96 -5.97 0.00	73.55 -3.45 0.00	133.64 -5.41 0.00	197.48 -5.15 0.00	124.87 -3.43 0.00	89.77 -2.84 0.00	106.32 -3.21 0.00	120.13 -3.38 0.00	130.86 -4.45 0.00	145.04 -4.30 0.00	160.12 -4.14 0.00	70.54 -2.67 0.00	102.79 -4.08 0.00	72.68 -2.99 0.00	130.77 -3.42 0.00	148.11 -1.49 0.00	123.09 -1.09 0.00
SITHE_IND_GS1 24169	141.26 -5.96 0.00	135.06 -5.47 0.00	112.76 -4.47 0.00	133.52 -5.54 0.00	139.49 -5.46 0.00	139.70 -4.82 0.00	143.34 -4.99 0.00	134.77 -4.77 -0.62	80.23 -2.61 -5.84	135.80 -5.03 -1.78	195.11 -7.59 -0.06	125.34 -5.03 -2.07	89.47 -3.66 -0.52	105.37 -4.38 -0.23	118.46 -5.05 0.00	130.09 -5.35 -0.14	143.67 -5.68 0.00	158.03 -6.22 0.00	73.79 -2.67 -3.25	102.85 -4.03 0.00	76.46 -2.83 -3.63	129.02 -5.17 0.00	143.74 -5.86 0.00	119.74 -4.76 -0.32
SITHE_IND_GS2 24170	141.26 -5.96 0.00	135.06 -5.47 0.00	112.76 -4.47 0.00	133.52 -5.54 0.00	139.49 -5.46 0.00	139.70 -4.82 0.00	143.34 -4.99 0.00	134.77 -4.77 -0.62	80.23 -2.61 -5.84	135.80 -5.03 -1.78	195.11 -7.59 -0.06	125.34 -5.03 -2.07	89.47 -3.66 -0.52	105.37 -4.38 -0.23	118.46 -5.05 0.00	130.09 -5.35 -0.14	143.67 -5.68 0.00	158.03 -6.22 0.00	73.79 -2.67 -3.25	102.85 -4.03 0.00	76.46 -2.83 -3.63	129.02 -5.17 0.00	143.74 -5.86 0.00	119.74 -4.76 -0.32
SITHE_IND_GS3 24171	141.26 -5.96 0.00	135.06 -5.47 0.00	112.76 -4.47 0.00	133.52 -5.54 0.00	139.49 -5.46 0.00	139.70 -4.82 0.00	143.34 -4.99 0.00	134.77 -4.77 -0.62	80.23 -2.61 -5.84	135.80 -5.03 -1.78	195.11 -7.59 -0.06	125.34 -5.03 -2.07	89.47 -3.66 -0.52	105.37 -4.38 -0.23	118.46 -5.05 0.00	130.09 -5.35 -0.14	143.67 -5.68 0.00	158.03 -6.22 0.00	73.79 -2.67 -3.25	102.85 -4.03 0.00	76.46 -2.83 -3.63	129.02 -5.17 0.00	143.74 -5.86 0.00	119.74 -4.76 -0.32
SITHE_IND_GS4 24172	141.26 -5.96 0.00	135.06 -5.47 0.00	112.76 -4.47 0.00	133.52 -5.54 0.00	139.49 -5.46 0.00	139.70 -4.82 0.00	143.34 -4.99 0.00	134.77 -4.77 -0.62	80.23 -2.61 -5.84	135.80 -5.03 -1.78	195.11 -7.59 -0.06	125.34 -5.03 -2.07	89.47 -3.66 -0.52	105.37 -4.38 -0.23	118.46 -5.05 0.00	130.09 -5.35 -0.14	143.67 -5.68 0.00	158.03 -6.22 0.00	73.79 -2.67 -3.25	102.85 -4.03 0.00	76.46 -2.83 -3.63	129.02 -5.17 0.00	143.74 -5.86 0.00	119.74 -4.76 -0.32

SITHE____BATAVIA 24024	139.98 -7.23 0.00	135.06 -5.47 0.00	113.51 -3.73 0.00	133.47 -5.60 0.00	140.72 -4.23 0.00	142.26 -2.26 0.00	144.71 -3.83 -0.22	135.41 -6.10 -2.59	87.13 -3.19 -13.31	135.74 -7.32 -4.02	190.63 -10.37 1.64	125.28 -7.68 -4.67	88.10 -5.68 -1.16	102.33 -7.43 -0.23	115.23 -8.29 0.00	126.70 -8.92 -0.31	140.08 -8.62 0.64	145.93 -8.85 9.47	131.52 -4.34 -62.65	129.13 -6.44 -28.69	79.83 -4.38 -8.55	122.20 -8.20 3.79	138.61 -9.22 1.77	118.03 -6.87 -0.73
SITHE____INDEPEND 23800	141.26 -5.95 0.00	135.06 -5.47 0.00	112.75 -4.49 0.00	133.53 -5.54 0.00	139.49 -5.46 0.00	139.68 -4.84 0.00	143.34 -4.99 0.00	134.77 -4.77 -0.62	80.24 -2.60 -5.84	135.79 -5.03 -1.78	195.02 -7.67 -0.06	125.34 -5.03 -2.07	89.47 -3.66 -0.52	105.37 -4.39 -0.23	118.46 -5.05 0.00	130.09 -5.35 -0.14	143.67 -5.68 0.00	158.03 -6.22 0.00	73.77 -2.69 -3.25	102.80 -4.07 0.00	76.46 -2.83 -3.63	129.02 -5.17 0.00	143.73 -5.87 0.00	119.74 -4.76 -0.32
SITHE____MASSENA 23902	146.61 -0.60 0.00	139.49 -1.04 0.00	116.46 -0.78 0.00	138.87 -0.19 0.00	143.92 -1.03 0.00	141.48 -3.04 0.00	144.86 -3.47 0.00	135.27 -3.65 0.00	74.88 -2.12 0.00	135.93 -3.11 0.00	199.75 -2.88 0.00	126.42 -1.87 0.00	91.18 -1.44 0.00	107.95 -1.58 0.00	122.01 -1.51 0.00	133.51 -1.79 0.00	147.65 -1.70 0.00	162.67 -1.58 0.00	71.83 -1.38 0.00	104.83 -2.04 0.00	74.17 -1.49 0.00	132.08 -2.12 0.00	148.25 -1.35 0.00	122.78 -1.40 0.00
SITHE____OGDNSBRG 24021	148.99 1.78 0.00	141.65 1.12 0.00	118.22 0.98 0.00	141.09 2.03 0.00	145.98 1.03 0.00	143.01 -1.51 0.00	146.20 -2.13 0.00	136.65 -2.27 0.00	75.55 -1.45 0.00	136.95 -2.09 0.00	201.43 -1.21 0.00	127.28 -1.02 0.00	91.32 -1.29 0.00	107.87 -1.66 0.00	122.04 -1.47 0.00	133.91 -1.39 0.00	148.88 -0.47 0.00	164.70 0.44 0.00	72.64 -0.57 0.00	105.98 -0.89 0.00	74.88 -0.78 0.00	133.74 -0.46 0.00	150.61 1.01 0.00	124.75 0.58 0.00
SITHE____STERLING 23777	149.75 2.53 0.00	143.19 2.66 0.00	119.41 2.17 0.00	141.59 2.53 0.00	148.22 3.27 0.00	148.83 4.31 0.00	153.32 4.98 0.00	144.54 5.06 -0.56	85.03 2.68 -5.35	144.87 4.19 -1.64	207.11 4.43 -0.05	132.45 2.25 -1.90	94.36 1.27 -0.47	111.39 1.65 -0.21	125.61 2.09 0.00	137.92 2.49 -0.12	153.26 3.91 0.00	168.85 4.60 0.00	78.29 2.10 -2.98	109.73 2.86 0.00	81.01 2.02 -3.33	138.95 4.75 0.00	154.74 5.14 0.00	128.58 4.11 -0.30
SLEIGHT__34_KV_TB1 80719	142.27 -4.95 0.00	136.64 -3.89 0.00	114.21 -3.03 0.00	134.87 -4.20 0.00	141.51 -3.44 0.00	142.60 -1.92 0.00	145.98 -2.35 0.00	137.11 -2.99 -1.18	86.56 -1.59 -11.15	138.40 -4.05 -3.41	196.24 -5.76 0.63	128.16 -4.10 -3.96	90.57 -3.03 -0.99	105.90 -3.94 -0.32	118.85 -4.66 0.00	130.95 -4.62 -0.26	144.64 -4.44 0.27	155.61 -4.54 4.11	77.30 -2.12 -6.21	102.70 -3.36 0.81	80.30 -2.30 -6.94	128.11 -4.54 1.54	143.55 -5.30 0.75	120.69 -4.11 -0.62
SOUTH CAIRO__GT 23612	160.38 13.17 0.00	153.18 12.65 0.00	127.80 10.56 0.00	151.20 12.13 0.00	158.13 13.18 0.00	158.83 14.31 0.00	167.65 15.16 -4.15	185.27 14.36 -31.99	199.69 7.93 -114.76	186.33 13.83 -33.46	223.32 19.60 -1.09	179.06 11.87 -38.89	110.72 8.44 -9.66	123.61 9.85 -4.23	134.19 10.68 0.00	150.20 12.33 -2.56	163.63 14.28 0.00	191.59 16.63 -10.70	158.49 7.59 -77.69	135.57 10.86 -17.84	156.38 7.43 -73.28	146.92 12.73 0.00	162.82 13.22 0.00	141.60 11.30 -6.12
SOUTH HAMPTN__IC 23720	164.41 16.00 -1.20	158.14 16.29 -1.32	153.59 14.16 -22.19	159.81 16.93 -3.82	163.95 17.89 -1.11	165.05 19.23 -1.30	173.86 20.73 -4.80	271.93 20.10 -112.91	256.31 10.52 -168.78	187.01 18.30 -29.66	224.77 19.96 -2.18	205.05 16.17 -60.59	157.96 11.97 -53.37	153.23 12.79 -30.92	159.03 14.09 -21.43	157.59 15.97 -6.31	206.93 18.39 -39.19	192.51 19.30 -8.94	167.43 9.30 -84.91	169.34 13.46 -49.02	163.65 9.53 -78.46	181.47 16.86 -30.42	169.28 18.90 -0.78	153.63 16.19 -13.27
SOUTHDOW_115KV_TB1 355954	138.39 -8.82 0.00	133.90 -6.63 0.00	112.49 -4.75 0.00	132.16 -6.91 0.00	139.50 -5.45 0.00	141.17 -3.35 0.00	144.63 -3.99 -0.29	135.72 -6.58 -3.38	90.51 -3.50 -17.00	136.76 -7.41 -5.12	191.31 -8.55 2.77	128.15 -6.09 -5.95	89.77 -4.33 -1.48	103.79 -5.94 -0.20	115.89 -7.62 0.00	128.56 -7.14 -0.39	141.68 -6.59 1.08	140.73 -7.51 16.01	79.80 -4.32 -10.91	98.19 -6.89 1.79	81.68 -4.89 -10.91	119.60 -8.29 6.30	137.82 -8.82 2.96	117.59 -7.51 -0.93
SOUTHOLD_69_KV_BK 2 55809	167.54 19.13 -1.20	161.15 19.31 -1.32	156.21 16.77 -22.20	162.84 19.95 -3.82	167.09 21.04 -1.11	168.41 22.59 -1.30	177.38 24.25 -4.80	275.04 23.21 -112.91	256.63 10.85 -168.78	188.87 20.16 -29.66	228.88 24.07 -2.18	207.56 18.67 -60.59	159.80 13.81 -53.37	155.31 14.87 -30.92	161.36 16.41 -21.43	160.32 18.70 -6.31	210.05 21.52 -39.19	196.17 22.96 -8.95	168.98 10.85 -84.92	171.00 15.11 -49.02	163.81 9.69 -78.46	182.21 17.60 -30.42	172.03 21.64 -0.78	155.73 18.29 -13.27
SOUTHOLD__IC 23719	167.52 19.11 -1.20	161.15 19.30 -1.32	156.12 16.69 -22.20	162.82 19.94 -3.82	167.09 21.03 -1.11	168.38 22.56 -1.30	177.38 24.26 -4.80	275.04 23.21 -112.91	256.63 10.85 -168.78	188.84 20.13 -29.66	228.79 23.98 -2.18	207.56 18.68 -60.59	159.79 13.81 -53.37	155.31 14.87 -30.92	161.36 16.41 -21.43	160.29 18.68 -6.31	210.04 21.51 -39.19	196.16 22.96 -8.95	168.99 10.86 -84.92	170.96 15.08 -49.02	163.81 9.68 -78.46	182.11 17.49 -30.42	172.03 21.64 -0.78	155.73 18.29 -13.27
SOUTH_FORK_WT_PWR 323839	167.92 19.51 -1.20	161.52 19.67 -1.32	156.43 17.00 -22.19	163.22 20.33 -3.82	167.48 21.42 -1.11	168.84 23.02 -1.30	177.80 24.68 -4.80	275.40 23.57 -112.91	257.49 11.71 -168.78	189.84 21.13 -29.66	229.03 24.21 -2.18	207.81 18.93 -60.59	159.99 14.00 -53.37	155.49 15.05 -30.92	161.60 16.66 -21.43	160.58 18.96 -6.31	210.31 21.78 -39.19	196.44 23.24 -8.94	169.05 10.93 -84.92	171.27 15.38 -49.02	164.45 10.33 -78.46	183.02 18.41 -30.42	172.09 21.70 -0.78	155.77 18.33 -13.27
SPIERFLS_115KV_TB 1 80737	158.92 11.71 0.00	151.57 11.03 0.00	126.29 9.06 0.00	149.40 10.34 0.00	156.21 11.26 0.00	157.33 12.81 0.00	170.86 13.54 -9.00	209.25 13.52 -56.81	214.41 7.19 -130.22	187.84 12.49 -36.30	221.02 17.21 -1.18	180.76 10.26 -42.20	109.92 6.82 -10.48	122.23 8.10 -4.59	132.63 9.12 0.00	148.87 10.79 -2.78	161.84 12.49 0.00	207.38 14.41 -28.72	182.18 6.66 -102.31	156.90 9.68 -40.35	167.65 6.89 -85.09	145.55 11.36 0.00	161.58 11.98 0.00	141.30 10.49 -6.64
ST LAWRENCE____ 23600	145.20 -2.02 0.00	138.14 -2.39 0.00	115.34 -1.89 0.00	137.47 -1.60 0.00	142.60 -2.35 0.00	140.39 -4.13 0.00	143.95 -4.38 0.00	134.53 -4.40 0.00	74.50 -2.50 0.00	135.20 -3.85 0.00	198.41 -4.22 0.00	125.64 -2.65 0.00	90.70 -1.92 0.00	107.40 -2.13 0.00	121.34 -2.17 0.00	132.82 -2.48 0.00	146.79 -2.56 0.00	161.60 -2.66 0.00	71.43 -1.78 0.00	104.27 -2.61 0.00	73.78 -1.88 0.00	131.10 -3.09 0.00	146.90 -2.70 0.00	121.62 -2.56 0.00
STATE_CA_115KV_115_LB 55624	153.65 6.44 0.00	146.81 6.28 0.00	122.45 5.21 0.00	144.76 5.70 0.00	151.35 6.40 0.00	151.73 7.21 0.00	162.10 7.33 -6.45	189.66 6.80 -43.94	204.73 3.66 -124.07	181.13 6.67 -35.41	212.98 9.19 -1.15	175.56 6.09 -41.17	107.52 4.68 -10.23	119.54 5.53 -4.48	129.35 5.84 0.00	144.45 6.43 -2.71	155.80 6.45 0.00	190.45 7.11 -19.09	167.04 3.42 -90.41	140.09 4.82 -28.40	159.09 3.32 -80.10	139.67 5.48 0.00	155.21 5.61 0.00	136.24 5.59 -6.48

STATE_ST_34_KV_LOAD 55959	146.04 -1.17 0.00	140.33 -0.20 0.00	116.77 -0.47 0.00	138.14 -0.93 0.00	144.53 -0.42 0.00	145.71 1.19 0.00	149.52 0.91 -0.27	142.30 0.77 -2.60	89.65 0.39 -12.26	142.09 -0.59 -3.64	202.07 -1.57 -1.01	130.98 -1.55 -4.23	92.54 -1.13 -1.05	108.59 -1.53 -0.60	121.68 -1.84 0.00	134.26 -1.32 -0.28	149.07 -0.60 -0.33	169.61 0.25 -5.11	81.25 0.30 -7.73	109.04 0.19 -1.98	83.51 0.09 -7.75	135.91 -0.13 -1.85	149.89 -0.60 -0.90	124.45 -0.39 -0.66
STATION_5_MISC_HYD 23604	140.70 -6.51 0.00	135.27 -5.26 0.00	113.41 -3.82 0.00	133.67 -5.39 0.00	140.40 -4.55 0.00	141.41 -3.11 0.00	144.27 -4.06 0.00	134.91 -5.22 -1.21	85.70 -2.74 -11.44	136.52 -6.02 -3.50	193.14 -8.22 1.27	126.59 -5.77 -4.07	89.47 -4.16 -1.01	104.49 -5.27 -0.23	117.36 -6.15 0.00	128.88 -6.69 -0.27	141.92 -6.92 0.51	149.17 -7.44 7.64	82.78 -3.46 -13.04	103.74 -5.25 -2.12	79.27 -3.51 -7.12	124.70 -6.63 2.86	140.64 -7.56 1.39	119.10 -5.71 -0.64
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	143.66 -3.55 0.00	138.03 -2.50 0.00	115.42 -1.82 0.00	136.35 -2.71 0.00	143.11 -1.85 0.00	144.13 -0.39 0.00	147.69 -0.64 0.00	138.56 -1.57 -1.21	87.41 -1.04 -11.44	139.34 -3.20 -3.50	196.74 -4.62 1.27	128.88 -3.48 -4.07	91.08 -2.54 -1.01	106.30 -3.46 -0.23	119.45 -4.06 0.00	131.61 -3.97 -0.27	145.19 -3.65 0.51	152.80 -3.78 7.67	77.89 -1.69 -6.38	102.54 -2.81 1.52	80.93 -1.86 -7.12	127.50 -3.82 2.87	143.61 -4.59 1.40	121.31 -3.50 -0.64
STA_56_34_KV_BUS2_REV_LBMP_B 345033	140.21 -7.01 0.00	134.79 -5.74 0.00	112.88 -4.36 0.00	133.18 -5.88 0.00	139.87 -5.09 0.00	140.82 -3.70 0.00	143.80 -4.53 0.00	134.58 -5.54 -1.20	85.41 -2.93 -11.34	136.16 -6.35 -3.47	192.51 -8.88 1.24	126.31 -6.01 -4.03	89.27 -4.35 -1.00	104.23 -5.52 -0.23	117.01 -6.50 0.00	128.62 -6.95 -0.27	141.63 -7.22 0.49	149.04 -7.74 7.48	82.19 -3.66 -12.63	103.33 -5.50 -1.96	79.05 -3.67 -7.06	124.37 -7.02 2.80	140.30 -7.94 1.36	118.70 -6.11 -0.63
STA_56__34_KV_BUS2 355983	140.21 -7.01 0.00	134.79 -5.74 0.00	112.88 -4.36 0.00	133.18 -5.88 0.00	139.87 -5.09 0.00	140.82 -3.70 0.00	143.80 -4.53 0.00	134.58 -5.54 -1.20	85.41 -2.93 -11.34	136.16 -6.35 -3.47	192.51 -8.88 1.24	126.31 -6.01 -4.03	89.27 -4.35 -1.00	104.23 -5.52 -0.23	117.01 -6.50 0.00	128.62 -6.95 -0.27	141.63 -7.22 0.49	149.04 -7.74 7.48	82.19 -3.66 -12.63	103.33 -5.50 -1.96	79.05 -3.67 -7.06	124.37 -7.02 2.80	140.30 -7.94 1.36	118.70 -6.11 -0.63
STA_67__115KV_BK2 355882	140.27 -6.94 0.00	134.88 -5.65 0.00	113.00 -4.24 0.00	133.30 -5.76 0.00	140.01 -4.94 0.00	140.99 -3.52 0.00	143.85 -4.48 0.00	134.48 -5.65 -1.21	85.48 -2.94 -11.43	136.06 -6.48 -3.49	192.34 -9.03 1.27	126.27 -6.08 -4.06	89.20 -4.43 -1.01	104.14 -5.63 -0.23	116.89 -6.62 0.00	128.47 -7.11 -0.27	141.42 -7.42 0.51	148.66 -7.97 7.63	82.23 -3.77 -12.79	103.20 -5.66 -1.99	79.04 -3.74 -7.11	124.22 -7.12 2.85	140.25 -7.96 1.39	118.76 -6.05 -0.64
STA_7__115KV_9TRANS 80674	141.59 -5.63 0.00	136.11 -4.42 0.00	114.01 -3.22 0.00	134.44 -4.62 0.00	141.26 -3.69 0.00	142.26 -2.26 0.00	145.18 -3.15 0.00	135.82 -4.31 -1.21	86.22 -2.22 -11.44	137.36 -5.18 -3.50	194.13 -7.24 1.27	127.42 -4.94 -4.07	90.04 -3.58 -1.01	105.17 -4.59 -0.23	118.08 -5.44 0.00	129.76 -5.81 -0.27	142.89 -5.95 0.51	150.26 -6.35 7.64	83.22 -3.02 -13.04	104.43 -4.55 -2.12	79.81 -2.97 -7.12	125.50 -5.83 2.86	141.55 -6.66 1.39	119.82 -4.99 -0.64
STA_82__115KV_TB1 80780	140.35 -6.86 0.00	134.98 -5.55 0.00	113.08 -4.16 0.00	133.36 -5.70 0.00	140.11 -4.84 0.00	141.06 -3.46 0.00	143.94 -4.39 0.00	134.58 -5.55 -1.21	85.57 -2.93 -11.49	136.17 -6.39 -3.51	192.40 -8.95 1.28	126.34 -6.04 -4.08	89.22 -4.41 -1.02	104.15 -5.61 -0.23	116.93 -6.58 0.00	128.51 -7.06 -0.27	141.53 -7.31 0.51	148.65 -7.90 7.70	83.68 -3.72 -14.18	103.98 -5.61 -2.71	79.11 -3.71 -7.15	124.29 -7.02 2.88	140.31 -7.89 1.40	118.83 -5.99 -0.64
STEEL__WIND 323596	135.33 -11.88 0.00	130.87 -9.66 0.00	110.15 -7.08 0.00	129.37 -9.69 0.00	136.57 -8.38 0.00	138.09 -6.43 0.00	140.29 -8.22 -0.18	131.10 -10.67 -2.85	86.73 -5.84 -15.57	132.08 -11.71 -4.75	185.24 -15.02 2.38	123.41 -10.41 -5.52	86.46 -7.53 -1.37	100.06 -9.68 -0.21	112.22 -11.29 0.00	123.25 -12.42 -0.36	135.49 -12.93 0.93	136.37 -14.11 13.78	76.48 -6.84 -10.11	95.38 -10.04 1.45	78.88 -6.90 -10.11	116.28 -12.30 5.61	133.58 -13.47 2.55	114.69 -10.35 -0.86
STEPHTWN_115KV_BK_2 55603	154.95 7.73 0.00	148.32 7.79 0.00	123.56 6.32 0.00	146.19 7.13 0.00	152.86 7.91 0.00	153.45 8.94 0.00	162.97 9.26 -5.39	186.23 8.69 -38.61	203.35 4.90 -121.45	182.90 8.84 -35.01	216.02 12.25 -1.14	176.72 7.72 -40.70	108.50 5.77 -10.11	120.81 6.86 -4.43	130.84 7.32 0.00	146.01 8.03 -2.68	157.70 8.35 0.00	188.89 9.39 -15.24	163.23 4.45 -85.57	136.94 6.45 -23.62	158.16 4.49 -78.01	141.73 7.53 0.00	157.46 7.86 0.00	137.77 7.19 -6.40
STEUBEN_REC_LFGE 323667	138.38 -8.83 0.00	132.88 -7.65 0.00	111.37 -5.86 0.00	131.68 -7.38 0.00	139.36 -5.59 0.00	140.34 -4.18 0.00	144.98 -4.23 -0.89	139.15 -5.58 -5.81	95.52 -3.41 -21.93	136.61 -8.67 -6.24	182.55 -12.15 7.94	125.67 -9.88 -7.25	85.88 -8.54 -1.80	98.25 -10.82 0.46	112.63 -10.88 0.00	126.29 -9.49 -0.48	138.53 -7.83 2.98	112.64 -7.43 44.19	83.68 -2.87 -13.34	95.82 -4.10 6.95	86.10 -2.87 -13.31	111.40 -6.71 16.09	132.40 -8.99 8.20	117.72 -7.59 -1.13
STILLWATER__SOLAR 323814	156.99 9.78 0.00	149.94 9.41 0.00	124.92 7.68 0.00	147.81 8.74 0.00	154.50 9.55 0.00	155.22 10.70 0.00	168.23 11.23 -8.67	205.07 11.00 -55.14	212.04 5.86 -129.18	185.29 10.14 -36.11	217.65 13.85 -1.17	178.93 8.66 -41.98	108.95 5.91 -10.43	121.06 6.96 -4.57	131.29 7.77 0.00	147.10 9.03 -2.76	159.59 10.24 0.00	203.49 11.73 -27.50	179.36 5.49 -100.66	153.66 7.95 -38.83	165.70 5.74 -84.30	143.71 9.52 0.00	159.71 10.11 0.00	139.72 8.94 -6.60
STONY__BROOK 24151	160.73 12.27 -1.24	154.82 12.92 -1.37	150.85 11.35 -22.26	155.80 12.86 -3.88	159.60 13.50 -1.15	160.44 14.57 -1.36	168.84 15.66 -4.85	267.18 15.33 -112.92	254.12 8.34 -168.78	182.90 14.16 -29.70	220.07 15.21 -2.22	201.43 12.51 -60.62	155.72 9.65 -53.45	151.43 10.90 -31.00	156.87 11.86 -21.50	154.79 13.17 -6.31	202.77 14.23 -39.19	187.76 14.36 -9.15	165.60 7.13 -85.26	166.38 10.49 -49.02	161.89 7.77 -78.46	178.28 13.67 -30.42	165.29 14.90 -0.78	150.68 13.24 -13.27
STURGEON_POOL_HYD 23609	157.19 9.98 0.00	150.29 9.76 0.00	125.39 8.15 0.00	148.08 9.02 0.00	154.77 9.82 0.00	155.56 11.05 0.00	162.30 11.51 -2.46	172.63 11.46 -22.25	182.75 6.38 -99.37	179.40 10.94 -29.41	218.13 14.54 -0.95	172.17 9.68 -34.19	108.15 7.04 -8.49	121.34 8.09 -3.72	132.43 8.92 0.00	147.34 9.78 -2.25	159.63 10.28 0.00	179.74 10.68 -4.81	141.98 5.28 -63.49	124.76 7.83 -10.06	144.37 5.76 -62.94	144.35 10.15 0.00	160.35 10.74 0.00	138.75 9.21 -5.36
ST_LAW_115_BK7_LBMP 345037	145.08 -2.13 0.00	138.00 -2.53 0.00	115.23 -2.01 0.00	137.36 -1.70 0.00	142.44 -2.51 0.00	140.12 -4.40 0.00	143.61 -4.72 0.00	134.16 -4.76 0.00	74.29 -2.71 0.00	134.89 -4.15 0.00	198.06 -4.57 0.00	125.40 -2.89 0.00	90.53 -2.09 0.00	107.18 -2.35 0.00	121.15 -2.37 0.00	132.58 -2.72 0.00	146.53 -2.82 0.00	161.37 -2.88 0.00	71.29 -1.92 0.00	104.06 -2.81 0.00	73.65 -2.02 0.00	130.91 -3.28 0.00	146.74 -2.86 0.00	121.47 -2.71 0.00

ST_LAW_115_BK8_LBMP 345038	145.08 -2.13 0.00	138.00 -2.53 0.00	115.23 -2.01 0.00	137.36 -1.70 0.00	142.44 -2.51 0.00	140.12 -4.40 0.00	143.61 -4.72 0.00	134.16 -4.76 0.00	74.29 -2.71 0.00	134.89 -4.15 0.00	198.06 -4.57 0.00	125.40 -2.89 0.00	90.53 -2.09 0.00	107.18 -2.35 0.00	121.15 -2.37 0.00	132.58 -2.72 0.00	146.53 -2.82 0.00	161.37 -2.88 0.00	71.29 -1.92 0.00	104.06 -2.81 0.00	73.65 -2.02 0.00	130.91 -3.28 0.00	146.74 -2.86 0.00	121.47 -2.71 0.00
ST_LAW_230_BK5_LBMP 345035	145.20 -2.02 0.00	138.14 -2.39 0.00	115.34 -1.89 0.00	137.47 -1.60 0.00	142.60 -2.35 0.00	140.39 -4.13 0.00	143.95 -4.38 0.00	134.53 -4.40 0.00	74.50 -2.50 0.00	135.20 -3.85 0.00	198.41 -4.22 0.00	125.64 -2.65 0.00	90.70 -1.92 0.00	107.40 -2.13 0.00	121.34 -2.17 0.00	132.82 -2.48 0.00	146.79 -2.56 0.00	161.60 -2.66 0.00	71.43 -1.78 0.00	104.27 -2.61 0.00	73.78 -1.88 0.00	131.10 -3.09 0.00	146.90 -2.70 0.00	121.62 -2.56 0.00
ST_LAW_230_BK6_LBMP 345036	145.20 -2.02 0.00	138.14 -2.39 0.00	115.34 -1.89 0.00	137.47 -1.60 0.00	142.60 -2.35 0.00	140.39 -4.13 0.00	143.95 -4.38 0.00	134.53 -4.40 0.00	74.50 -2.50 0.00	135.20 -3.85 0.00	198.41 -4.22 0.00	125.64 -2.65 0.00	90.70 -1.92 0.00	107.40 -2.13 0.00	121.34 -2.17 0.00	132.82 -2.48 0.00	146.79 -2.56 0.00	161.60 -2.66 0.00	71.43 -1.78 0.00	104.27 -2.61 0.00	73.78 -1.88 0.00	131.10 -3.09 0.00	146.90 -2.70 0.00	121.62 -2.56 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	156.12 8.91 0.00	149.16 8.63 0.00	124.46 7.22 0.00	146.97 7.90 0.00	153.64 8.69 0.00	154.42 9.90 0.00	160.53 10.27 -1.93	168.04 10.35 -18.77	173.00 5.77 -90.23	175.59 9.72 -26.83	216.13 12.62 -0.87	168.04 8.56 -31.19	106.50 6.14 -7.75	119.85 6.93 -3.40	131.02 7.51 0.00	145.70 8.34 -2.05	158.20 8.85 0.00	176.83 9.39 -3.18	134.50 4.64 -56.65	121.37 6.79 -7.71	137.69 5.01 -57.01	114.88 8.61 27.93	157.74 9.14 1.00	135.52 7.55 -3.79
SWANROAD_115KV_TB1 355699	131.58 -15.63 0.00	127.49 -13.04 0.00	107.35 -9.89 0.00	126.18 -12.89 0.00	133.16 -11.79 0.00	134.67 -9.85 0.00	135.46 -13.06 -0.20	125.36 -16.27 -2.71	82.66 -8.77 -14.43	126.40 -17.02 -4.38	177.71 -22.95 1.98	118.44 -14.94 -5.09	83.16 -10.72 -1.27	96.25 -13.50 -0.22	107.60 -15.91 0.00	117.97 -17.67 -0.33	129.36 -19.21 0.77	131.69 -21.11 11.45	106.54 -10.12 -43.45	109.78 -14.61 -17.51	75.10 -9.89 -9.33	112.01 -17.54 4.64	128.60 -18.87 2.13	110.50 -14.47 -0.80
SYNERGY___BIOGAS 323694	139.98 -7.23 0.00	135.06 -5.47 0.00	113.51 -3.73 0.00	133.47 -5.60 0.00	140.72 -4.23 0.00	142.26 -2.26 0.00	144.71 -3.83 -0.22	135.41 -6.10 -2.59	87.13 -3.19 -13.31	135.74 -7.32 -4.02	190.63 -10.37 1.64	125.28 -7.68 -4.67	88.10 -5.68 -1.16	102.33 -7.43 -0.23	115.23 -8.29 0.00	126.70 -8.92 -0.31	140.08 -8.62 0.64	145.93 -8.85 9.47	131.52 -4.34 -62.65	129.13 -6.44 -28.69	79.83 -4.38 -8.55	122.20 -8.20 3.79	138.61 -9.22 1.77	118.03 -6.87 -0.73
SYRACUSE___ENERGY_ST1 323597	145.33 -1.89 0.00	139.10 -1.43 0.00	115.99 -1.25 0.00	137.38 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.61 -2.12 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.64 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.14 -0.38 -5.31	106.10 -0.77 0.00	81.02 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
SYRACUSE___ENERGY_ST2 323598	145.33 -1.89 0.00	139.10 -1.43 0.00	115.99 -1.25 0.00	137.38 -1.68 0.00	143.59 -1.37 0.00	144.11 -0.41 0.00	147.98 -0.35 0.00	139.60 -0.33 -1.01	86.34 -0.20 -9.53	140.97 -0.99 -2.92	200.61 -2.12 -0.09	130.03 -1.66 -3.39	92.20 -1.26 -0.84	108.33 -1.57 -0.37	121.64 -1.88 0.00	133.87 -1.65 -0.22	148.05 -1.29 0.00	163.02 -1.23 0.00	78.14 -0.38 -5.31	106.10 -0.77 0.00	81.02 -0.57 -5.93	133.00 -1.19 0.00	147.95 -1.65 0.00	123.42 -1.29 -0.53
SYRACUSE___POWER 24017	145.48 -1.74 0.00	139.18 -1.35 0.00	116.10 -1.14 0.00	137.45 -1.61 0.00	143.69 -1.26 0.00	144.23 -0.29 0.00	148.15 -0.18 0.00	139.85 -0.12 -1.05	86.86 -0.09 -9.94	141.30 -0.79 -3.04	201.46 -1.88 -0.70	130.32 -1.51 -3.53	92.36 -1.13 -0.88	108.58 -1.42 -0.48	121.84 -1.67 0.00	134.01 -1.53 -0.23	148.41 -1.16 -0.22	166.38 -1.23 -3.35	78.39 -0.36 -5.54	106.82 -0.72 -0.66	81.32 -0.53 -6.19	134.38 -1.07 -1.25	148.68 -1.53 -0.61	123.50 -1.23 -0.55
TALLMAN___138KV_BK151 55660	156.72 9.51 0.00	149.72 9.19 0.00	124.83 7.59 0.00	147.42 8.36 0.00	154.20 9.25 0.00	155.06 10.54 0.00	161.27 10.96 -1.98	169.37 11.18 -19.27	175.86 6.23 -92.63	177.04 10.45 -27.54	217.02 13.49 -0.89	169.58 9.26 -32.02	107.08 6.51 -7.95	120.26 7.24 -3.49	131.39 7.88 0.00	146.16 8.75 -2.11	158.71 9.36 0.00	177.48 9.96 -3.27	136.21 4.85 -58.16	121.88 7.09 -7.91	139.48 5.28 -58.53	106.94 8.93 36.18	157.92 9.62 1.30	135.37 7.60 -3.59
TEALLAVE_115KV_TB7 355573	144.39 -2.83 0.00	138.13 -2.40 0.00	115.26 -1.98 0.00	136.42 -2.64 0.00	142.67 -2.28 0.00	143.13 -1.39 0.00	147.01 -1.32 0.00	138.58 -1.22 -0.87	84.63 -0.67 -8.29	139.79 -1.79 -2.54	199.52 -3.20 -0.08	128.96 -2.28 -2.95	91.65 -1.70 -0.73	107.77 -2.08 -0.32	121.09 -2.42 0.00	133.10 -2.40 -0.19	147.16 -2.19 0.00	161.81 -2.45 0.00	76.88 -0.95 -4.62	105.31 -1.56 0.00	79.72 -1.11 -5.16	132.10 -2.10 0.00	146.97 -2.63 0.00	122.53 -2.11 -0.46
TELGRAPH_34_KV_EAST 80808	135.45 -11.77 0.00	130.96 -9.58 0.00	110.11 -7.13 0.00	129.48 -9.58 0.00	136.57 -8.38 0.00	138.10 -6.41 0.00	139.83 -8.71 -0.21	130.26 -11.30 -2.64	84.72 -6.05 -13.77	130.94 -12.28 -4.17	184.32 -16.57 1.74	122.05 -11.09 -4.84	85.80 -8.02 -1.20	99.52 -10.24 -0.23	111.47 -12.04 0.00	122.43 -13.19 -0.32	134.69 -13.97 0.68	139.01 -15.18 10.06	142.62 -7.40 -76.81	132.31 -10.73 -36.17	77.28 -7.26 -8.88	116.99 -13.14 4.06	133.44 -14.27 1.88	114.02 -10.91 -0.76
TEMPLE___115KV_TB 2 55572	144.49 -2.73 0.00	138.26 -2.27 0.00	115.34 -1.90 0.00	136.55 -2.52 0.00	142.79 -2.16 0.00	143.23 -1.29 0.00	147.13 -1.20 0.00	138.66 -1.15 -0.89	84.80 -0.61 -8.41	139.90 -1.71 -2.57	199.68 -3.04 -0.08	129.07 -2.21 -2.99	91.73 -1.63 -0.74	107.88 -1.97 -0.33	121.19 -2.33 0.00	133.22 -2.28 -0.20	147.25 -2.10 0.00	161.90 -2.35 0.00	76.99 -0.90 -4.68	105.39 -1.48 0.00	79.82 -1.08 -5.23	132.15 -2.04 0.00	147.02 -2.58 0.00	122.60 -2.04 -0.47
TIANA____69_KV_BK 1 55817	163.76 15.35 -1.20	157.51 15.66 -1.32	153.12 13.69 -22.20	159.14 16.26 -3.82	163.23 17.17 -1.11	164.33 18.51 -1.30	173.09 19.96 -4.80	271.26 19.42 -112.91	256.04 10.26 -168.78	186.40 17.70 -29.66	224.03 19.22 -2.18	204.51 15.63 -60.59	157.58 11.59 -53.37	152.81 12.36 -30.92	158.56 13.62 -21.43	157.05 15.43 -6.31	206.30 17.76 -39.19	191.83 18.63 -8.95	167.13 9.01 -84.92	169.00 13.11 -49.02	163.44 9.32 -78.46	181.20 16.59 -30.42	168.76 18.37 -0.78	153.16 15.71 -13.27
TILDEN___115KV_TB1 80814	145.48 -1.74 0.00	139.18 -1.35 0.00	116.10 -1.14 0.00	137.45 -1.61 0.00	143.69 -1.26 0.00	144.23 -0.29 0.00	148.15 -0.18 0.00	139.85 -0.12 -1.05	86.86 -0.09 -9.94	141.30 -0.79 -3.04	201.46 -1.88 -0.70	130.32 -1.51 -3.53	92.36 -1.13 -0.88	108.58 -1.42 -0.48	121.84 -1.67 0.00	134.01 -1.53 -0.23	148.41 -1.16 -0.22	166.38 -1.23 -3.35	78.39 -0.36 -5.54	106.82 -0.72 -0.66	81.32 -0.53 -6.19	134.38 -1.07 -1.25	148.68 -1.53 -0.61	123.50 -1.23 -0.55

TRIGEN___CC 323695	168.20 12.39 -8.59	162.35 12.35 -9.47	161.04 10.49 -33.32	164.11 11.67 -13.38	165.07 12.51 -7.60	167.61 13.73 -9.36	175.87 14.62 -12.92	267.82 14.48 -114.42	253.89 8.11 -168.78	188.36 13.72 -35.60	229.76 17.24 -9.88	206.44 12.46 -65.69	168.69 9.14 -66.93	164.94 10.33 -45.09	167.42 11.32 -32.58	153.98 12.36 -6.31	201.71 13.18 -39.19	221.80 13.67 -43.87	225.13 6.69 -145.23	165.68 9.79 -49.02	161.29 7.16 -78.46	177.17 12.55 -30.42	163.81 13.42 -0.78	149.20 11.76 -13.27
TRINITY___115KV___4 BK 55933	153.04 5.83 0.00	146.24 5.70 0.00	121.97 4.73 0.00	144.20 5.13 0.00	150.73 5.78 0.00	151.10 6.59 0.00	160.52 6.65 -5.54	184.45 6.13 -39.40	202.22 3.33 -121.89	180.21 6.07 -35.10	212.12 8.35 -1.14	174.74 5.63 -40.81	107.06 4.31 -10.14	119.09 5.12 -4.44	128.90 5.38 0.00	143.77 5.78 -2.69	155.04 5.69 0.00	186.22 6.30 -15.67	162.48 3.08 -86.19	135.39 4.37 -24.16	157.02 3.02 -78.34	139.13 4.94 0.00	154.65 5.05 0.00	135.73 5.13 -6.42
UNION___PROCESSING_DRP 323587	140.40 -6.82 0.00	135.00 -5.53 0.00	113.11 -4.13 0.00	133.42 -5.64 0.00	140.14 -4.81 0.00	141.12 -3.40 0.00	143.99 -4.34 0.00	134.63 -5.51 -1.21	85.64 -2.87 -11.50	136.22 -6.34 -3.52	192.47 -8.89 1.28	126.35 -6.03 -4.09	89.27 -4.36 -1.02	104.18 -5.58 -0.23	116.97 -6.55 0.00	128.56 -7.01 -0.27	141.57 -7.27 0.51	148.76 -7.80 7.69	84.32 -3.70 -14.81	104.37 -5.56 -3.05	79.16 -3.66 -7.16	124.32 -7.00 2.88	140.34 -7.86 1.40	118.85 -5.96 -0.64
UPPER HUDSON___HYD 24058	158.92 11.71 0.00	151.57 11.04 0.00	126.31 9.07 0.00	149.40 10.34 0.00	156.21 11.26 0.00	157.33 12.81 0.00	170.85 13.53 -9.00	209.25 13.52 -56.81	214.41 7.19 -130.22	187.84 12.50 -36.30	220.99 17.18 -1.18	180.76 10.26 -42.20	109.91 6.82 -10.48	122.22 8.09 -4.59	132.62 9.11 0.00	148.87 10.79 -2.78	161.84 12.49 0.00	207.38 14.41 -28.72	182.17 6.65 -102.31	156.90 9.68 -40.35	167.63 6.88 -85.09	145.55 11.36 0.00	161.58 11.98 0.00	141.30 10.49 -6.64
UPPER RAQUET___HYD 24056	146.40 -0.81 0.00	139.07 -1.47 0.00	116.05 -1.19 0.00	138.59 -0.47 0.00	143.16 -1.79 0.00	139.82 -4.70 0.00	142.12 -6.21 0.00	132.96 -5.96 0.00	73.55 -3.45 0.00	133.63 -5.41 0.00	197.47 -5.16 0.00	124.87 -3.42 0.00	89.77 -2.85 0.00	106.31 -3.22 0.00	120.13 -3.39 0.00	130.86 -4.45 0.00	145.03 -4.31 0.00	160.12 -4.13 0.00	70.54 -2.67 0.00	102.78 -4.09 0.00	72.70 -2.96 0.00	130.82 -3.37 0.00	148.11 -1.49 0.00	123.08 -1.09 0.00
VALLEY44_115KV_TB2 355964	140.45 -6.77 0.00	135.98 -4.55 0.00	114.04 -3.20 0.00	134.28 -4.79 0.00	140.59 -4.36 0.00	141.33 -3.19 0.00	144.10 -4.57 -0.34	136.87 -5.69 -3.64	91.09 -3.74 -17.83	136.06 -8.33 -5.34	189.34 -10.40 2.89	126.47 -8.03 -6.21	88.77 -5.39 -1.54	103.17 -6.57 -0.21	116.23 -7.28 0.00	127.99 -7.73 -0.41	139.55 -8.67 1.12	137.37 -10.17 16.71	79.65 -4.95 -11.39	97.69 -7.33 1.86	81.83 -5.22 -11.39	119.16 -8.53 6.50	137.50 -9.02 3.09	117.69 -7.46 -0.97
VALLEY___115KV_TB 1-4 80826	152.63 5.42 0.00	145.85 5.32 0.00	121.73 4.50 0.00	143.73 4.67 0.00	150.01 5.06 0.00	150.83 6.32 0.00	155.28 6.95 0.00	145.87 6.95 0.00	80.68 3.68 0.00	145.16 6.11 0.00	210.05 7.41 0.00	132.44 4.14 0.00	95.43 2.82 0.00	112.87 3.34 0.00	127.05 3.54 0.00	139.69 4.38 0.00	154.73 5.39 0.00	170.79 6.53 0.00	76.44 3.23 0.00	111.59 4.72 0.00	79.05 3.38 0.00	139.66 5.46 0.00	155.02 5.41 0.00	128.65 4.47 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	159.05 11.84 0.00	152.30 11.77 0.00	127.15 9.91 0.00	150.50 11.44 0.00	157.36 12.41 0.00	158.01 13.49 0.00	164.40 14.28 -1.79	165.35 13.31 -13.11	127.24 7.34 -42.90	164.23 12.77 -12.41	220.71 17.67 -0.40	153.40 10.67 -14.43	103.67 7.47 -3.59	119.81 8.72 -1.57	133.46 9.95 0.00	147.50 11.25 -0.95	162.14 12.79 0.00	182.07 13.55 -4.27	109.38 6.34 -29.83	123.74 9.29 -7.57	109.84 6.67 -27.50	146.05 11.86 0.00	162.12 12.52 0.00	136.86 10.43 -2.26
VISCHER___FERRY HYD 24020	154.95 7.74 0.00	147.94 7.41 0.00	123.31 6.07 0.00	145.85 6.79 0.00	152.45 7.51 0.00	152.86 8.34 0.00	164.54 8.64 -7.57	196.84 8.38 -49.54	207.46 4.52 -125.94	182.48 7.89 -35.54	214.76 10.97 -1.15	176.91 7.29 -41.32	108.02 5.14 -10.26	120.11 6.08 -4.50	130.19 6.68 0.00	145.40 7.37 -2.72	156.94 7.59 0.00	196.35 8.70 -23.39	172.58 4.14 -95.23	146.65 6.06 -33.72	161.88 4.43 -81.79	141.38 7.19 0.00	157.29 7.69 0.00	137.83 7.15 -6.50
V_A_10_SYNC_DSASP 323832	135.10 -12.11 0.00	130.43 -10.10 0.00	109.68 -7.56 0.00	129.00 -10.07 0.00	135.75 -9.20 0.00	136.93 -7.59 0.00	139.02 -9.51 -0.20	130.12 -11.32 -2.52	83.90 -6.13 -13.03	130.78 -12.20 -3.93	184.70 -16.27 1.66	122.02 -10.85 -4.57	85.96 -7.79 -1.14	99.98 -9.78 -0.23	112.09 -11.43 0.00	122.89 -12.72 -0.30	134.97 -13.72 0.65	139.34 -15.20 9.71	63.75 -7.06 2.40	89.66 -10.46 6.75	76.96 -7.07 -8.37	117.59 -12.72 3.89	133.85 -13.95 1.80	114.30 -10.59 -0.72
V_CMM_10_SYNC_DSASP 323787	145.28 -1.93 0.00	138.18 -2.34 0.00	115.35 -1.88 0.00	137.52 -1.54 0.00	142.63 -2.32 0.00	140.29 -4.22 0.00	143.81 -4.52 0.00	134.34 -4.58 0.00	74.41 -2.60 0.00	135.06 -3.99 0.00	198.34 -4.30 0.00	125.61 -2.68 0.00	90.64 -1.97 0.00	107.36 -2.17 0.00	121.30 -2.21 0.00	132.76 -2.55 0.00	146.71 -2.63 0.00	161.57 -2.69 0.00	71.38 -1.83 0.00	104.19 -2.68 0.00	73.72 -1.94 0.00	131.06 -3.13 0.00	146.91 -2.69 0.00	121.61 -2.57 0.00
V_CMP_10_SYNC_DSASP 323788	147.82 0.61 0.00	139.89 -0.64 0.00	117.22 -0.02 0.00	139.92 0.86 0.00	145.37 0.42 0.00	143.94 -0.58 0.00	147.63 -0.70 0.00	138.09 -0.84 0.00	76.27 -0.73 0.00	138.64 -0.40 0.00	203.54 0.90 0.00	128.49 0.20 0.00	92.70 0.09 0.00	109.80 0.28 0.00	123.94 0.42 0.00	135.93 0.63 0.00	150.48 1.13 0.00	165.55 1.30 0.00	72.73 -0.48 0.00	105.27 -1.60 0.00	74.55 -1.11 0.00	132.37 -1.83 0.00	149.28 -0.32 0.00	124.38 0.21 0.00
V_D_10_SYNC_DSASP 323841	146.61 -0.60 0.00	139.49 -1.04 0.00	116.47 -0.77 0.00	138.87 -0.19 0.00	143.92 -1.03 0.00	141.50 -3.01 0.00	144.87 -3.46 0.00	135.27 -3.65 0.00	74.89 -2.11 0.00	135.95 -3.09 0.00	199.80 -2.84 0.00	126.46 -1.84 0.00	91.20 -1.42 0.00	107.96 -1.57 0.00	122.04 -1.47 0.00	133.54 -1.77 0.00	147.68 -1.67 0.00	162.69 -1.57 0.00	71.85 -1.36 0.00	104.86 -2.01 0.00	74.18 -1.48 0.00	132.08 -2.12 0.00	148.25 -1.35 0.00	122.77 -1.41 0.00
V_E_10_SYNC_DSASP 323830	157.29 10.08 0.00	150.00 9.47 0.00	125.47 8.23 0.00	147.33 8.26 0.00	154.59 9.64 0.00	156.58 12.06 0.00	163.73 14.43 -0.98	161.58 14.84 -7.82	115.13 7.84 -30.29	160.13 12.22 -8.87	221.89 15.17 -4.09	147.50 8.89 -10.31	102.26 7.08 -2.56	119.60 8.37 -1.70	132.78 9.27 0.00	148.08 12.10 -0.68	167.97 17.23 -1.39	206.70 19.38 -23.07	101.56 8.38 -19.97	127.65 12.67 -8.11	104.05 9.16 -19.23	157.81 15.68 -7.94	168.52 15.09 -3.83	137.71 11.92 -1.62
V_F_30_NSYNC___DSASP 323816	157.09 9.87 0.00	150.00 9.47 0.00	124.98 7.74 0.00	147.89 8.83 0.00	154.62 9.67 0.00	155.31 10.79 0.00	168.48 11.34 -8.82	205.88 11.07 -55.89	212.57 5.93 -129.64	185.53 10.29 -36.19	217.98 14.17 -1.17	179.17 8.80 -42.08	109.09 6.02 -10.45	121.22 7.12 -4.58	131.43 7.92 0.00	147.26 9.19 -2.77	159.75 10.40 0.00	204.18 11.88 -28.04	180.17 5.56 -101.40	154.44 8.05 -39.51	166.12 5.80 -84.65	143.85 9.66 0.00	159.83 10.23 0.00	139.80 9.01 -6.62

WEST BABYLON___IC 23714	164.11 14.31 -2.58	157.79 14.41 -2.85	154.02 12.50 -24.28	158.65 13.97 -5.61	162.05 14.78 -2.32	163.31 15.98 -2.81	171.90 17.25 -6.32	269.23 17.12 -113.20	255.21 9.43 -168.78	185.72 15.90 -30.77	225.33 19.08 -3.62	204.14 14.30 -61.55	159.16 10.63 -55.91	155.07 11.97 -33.57	160.18 13.15 -23.52	156.20 14.58 -6.31	204.30 15.76 -39.19	195.68 16.50 -14.93	176.47 8.01 -95.25	167.65 11.76 -49.02	162.69 8.56 -78.46	179.64 15.02 -30.42	166.60 16.22 -0.78	151.44 14.00 -13.27
WEST CANADA___HYD 24049	148.22 1.01 0.00	141.52 0.99 0.00	118.06 0.83 0.00	139.93 0.87 0.00	146.03 1.08 0.00	145.95 1.43 0.00	149.93 1.60 0.00	140.48 1.56 0.00	77.86 0.86 0.00	140.44 1.40 0.00	204.41 1.78 0.00	129.45 1.15 0.00	93.45 0.83 0.00	110.51 0.98 0.00	124.56 1.05 0.00	136.38 1.08 0.00	150.46 1.11 0.00	165.51 1.26 0.00	73.88 0.67 0.00	107.83 0.96 0.00	76.34 0.68 0.00	135.40 1.21 0.00	150.96 1.35 0.00	125.48 1.31 0.00
WESTERN_NY_WIND 24143	139.64 -7.57 0.00	134.74 -5.79 0.00	113.18 -4.06 0.00	133.18 -5.89 0.00	140.44 -4.51 0.00	141.97 -2.55 0.00	144.38 -4.16 -0.21	135.06 -6.47 -2.61	87.07 -3.39 -13.46	135.42 -7.69 -4.07	189.89 -11.08 1.67	125.08 -7.94 -4.72	87.88 -5.91 -1.17	102.05 -7.71 -0.23	114.79 -8.72 0.00	126.33 -9.28 -0.31	139.61 -9.08 0.66	145.32 -9.28 9.66	135.64 -4.66 -67.09	131.06 -6.85 -31.04	79.73 -4.59 -8.65	121.61 -8.71 3.88	138.20 -9.60 1.81	117.71 -7.20 -0.74
WESTOVER___LESR 323668	147.17 -0.04 0.00	141.15 0.62 0.00	117.82 0.58 0.00	139.37 0.30 0.00	145.64 0.69 0.00	146.27 1.76 0.00	150.79 1.70 -0.76	147.37 1.53 -6.92	108.57 0.64 -30.93	148.48 0.28 -9.16	201.25 -0.42 0.97	138.11 -0.84 -10.65	94.76 -0.50 -2.65	109.77 -0.73 -0.97	122.68 -0.84 0.00	135.54 -0.46 -0.70	148.72 -0.16 0.46	157.87 -0.84 5.55	92.99 0.02 -19.76	108.49 -0.09 -1.72	95.17 -0.09 -19.60	131.53 -0.06 2.61	147.81 -0.53 1.27	125.50 -0.34 -1.67
WETHRSFD_WT_PWR 323626	134.32 -12.89 0.00	129.73 -10.80 0.00	109.03 -8.21 0.00	128.57 -10.49 0.00	135.43 -9.52 0.00	136.97 -7.55 0.00	139.40 -8.73 0.20	130.32 -10.53 -1.93	87.61 -5.90 -16.51	131.77 -12.60 -5.32	182.29 -17.13 3.21	122.49 -11.99 -6.18	85.17 -8.98 -1.54	98.12 -11.56 -0.16	110.71 -12.80 0.00	122.71 -13.00 -0.41	135.50 -12.60 1.24	132.52 -13.27 18.46	78.53 -6.02 -11.34	95.74 -8.92 2.21	80.74 -6.26 -11.34	114.19 -11.76 8.25	133.01 -13.18 3.41	114.85 -10.30 -0.97
WHAVSTOR_138KV_BK127 55557	156.61 9.40 0.00	149.63 9.10 0.00	124.80 7.56 0.00	147.35 8.29 0.00	154.12 9.17 0.00	154.94 10.42 0.00	161.16 10.84 -2.00	169.29 10.97 -19.40	176.38 6.11 -93.27	177.00 10.22 -27.73	216.71 13.18 -0.90	169.61 9.08 -32.24	106.98 6.36 -8.01	120.07 7.03 -3.51	131.15 7.64 0.00	145.95 8.52 -2.12	158.46 9.12 0.00	177.15 9.60 -3.29	136.44 4.67 -58.56	121.70 6.85 -7.97	139.68 5.08 -58.93	105.48 8.63 37.34	157.57 9.31 1.34	134.98 7.24 -3.56
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	156.61 9.40 0.00	149.63 9.10 0.00	124.80 7.56 0.00	147.35 8.29 0.00	154.12 9.17 0.00	154.94 10.42 0.00	161.16 10.84 -2.00	169.29 10.97 -19.40	176.38 6.11 -93.27	177.00 10.22 -27.73	216.71 13.18 -0.90	169.61 9.08 -32.24	106.98 6.36 -8.01	120.07 7.03 -3.51	131.15 7.64 0.00	145.95 8.52 -2.12	158.46 9.12 0.00	177.15 9.60 -3.29	136.44 4.67 -58.56	121.70 6.85 -7.97	139.68 5.08 -58.93	105.48 8.63 37.34	157.57 9.31 1.34	134.98 7.24 -3.56
WHITEHAL_115KV_TB1 80871	164.08 16.87 0.00	155.68 15.15 0.00	129.52 12.28 0.00	152.99 13.93 0.00	159.82 14.87 0.00	162.15 17.64 0.00	175.42 18.17 -8.92	214.22 18.87 -56.43	217.02 10.04 -129.98	192.80 17.50 -36.26	228.07 24.26 -1.18	184.29 13.85 -42.14	112.26 9.17 -10.47	125.15 11.03 -4.59	135.83 12.32 0.00	152.70 14.62 -2.78	166.16 16.81 0.00	212.20 19.50 -28.44	184.14 9.00 -101.93	160.05 13.18 -40.00	169.87 9.29 -84.91	149.13 14.94 0.00	165.52 15.92 0.00	145.36 14.56 -6.63
WHITEPLN_13_KV_LOAD 356215	159.54 12.32 0.00	152.49 11.96 0.00	127.17 9.93 0.00	150.15 11.09 0.00	157.02 12.07 0.00	157.99 13.47 0.00	164.60 14.20 -2.07	173.20 14.23 -20.05	181.30 7.93 -96.36	181.33 13.63 -28.65	221.78 18.22 -0.93	173.90 12.29 -33.31	109.76 8.88 -8.27	123.16 10.01 -3.63	134.46 10.95 0.00	149.60 12.10 -2.19	162.23 12.88 0.00	181.31 13.64 -3.41	140.28 6.57 -60.51	124.76 9.64 -8.25	143.54 6.99 -60.89	170.30 12.30 -23.81	163.38 12.93 -0.86	141.65 11.32 -6.15
WM_FLOYD_69_KV_BK2 356380	162.05 13.62 -1.22	155.84 13.97 -1.34	151.74 12.27 -22.23	157.21 14.30 -3.85	161.17 15.09 -1.12	162.12 16.28 -1.33	170.76 17.61 -4.82	269.10 17.26 -112.92	255.05 9.27 -168.78	184.53 15.81 -29.68	221.68 16.85 -2.20	202.84 13.94 -60.60	156.45 10.42 -53.41	151.76 11.28 -30.96	157.33 12.35 -21.46	155.61 13.99 -6.31	204.32 15.78 -39.19	189.58 16.29 -9.04	166.26 7.97 -85.07	167.65 11.76 -49.02	162.63 8.51 -78.46	179.76 15.15 -30.42	166.92 16.54 -0.78	151.79 14.34 -13.27
WOODARD__115KV_TB2 355635	144.24 -2.97 0.00	137.98 -2.55 0.00	115.08 -2.16 0.00	136.27 -2.79 0.00	142.50 -2.45 0.00	142.88 -1.64 0.00	146.72 -1.61 0.00	138.32 -1.49 -0.89	84.67 -0.80 -8.46	139.64 -1.99 -2.59	199.29 -3.43 -0.08	128.89 -2.41 -3.01	91.57 -1.79 -0.75	107.68 -2.17 -0.33	120.96 -2.56 0.00	132.97 -2.53 -0.20	146.92 -2.43 0.00	161.60 -2.65 0.00	76.89 -1.04 -4.72	105.18 -1.69 0.00	79.72 -1.21 -5.27	131.90 -2.30 0.00	146.81 -2.79 0.00	122.41 -2.23 -0.47
YORK___WARBASSE 23770	240.17 12.99 -79.97	224.01 12.56 -70.93	222.26 10.40 -94.61	223.53 11.62 -72.84	223.94 12.74 -66.24	223.95 14.12 -65.31	227.30 14.72 -64.24	229.57 14.63 -76.01	238.59 8.08 -153.50	290.73 13.78 -137.90	444.05 18.44 -222.97	464.59 12.67 -323.62	1163.84 9.14 -1062.08	619.46 10.15 -499.78	526.29 11.31 -391.47	679.74 12.36 -532.07	621.71 13.14 -459.23	564.40 13.36 -386.78	653.26 6.63 -573.42	965.45 9.77 -848.80	612.09 7.16 -529.26	406.23 12.59 -259.45	362.01 13.25 -199.16	307.49 11.82 -171.50