

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

01/19/2024

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	88.75	80.69	76.97	76.65	78.54	90.81	120.14	147.35	136.33	140.21	152.34	151.65	150.60	150.18	149.91	150.04	164.06	172.11	159.24	163.09	150.74	140.10	131.10	114.58
24138	5.00	4.77	4.77	4.72	4.72	4.90	5.89	6.10	6.91	7.04	7.11	6.44	6.15	5.86	5.75	5.66	7.15	7.44	7.14	7.07	6.18	5.55	5.41	5.07
	-27.54	-19.83	-16.04	-15.78	-17.61	-29.52	-53.55	-80.23	-62.93	-64.84	-76.17	-82.69	-84.77	-86.24	-86.63	-87.82	-88.17	-93.78	-84.70	-88.02	-84.06	-77.93	-69.31	-53.24
74TH STREET_GT_1	88.87	80.81	77.09	76.77	78.66	90.81	120.15	147.42	142.54	150.56	172.15	172.80	173.71	174.11	174.41	174.24	191.26	193.52	175.58	185.83	171.78	158.68	147.08	120.59
24260	5.12	4.88	4.89	4.83	4.83	4.91	5.89	6.16	6.85	7.04	7.11	6.44	5.97	5.81	5.75	5.60	7.08	7.44	7.14	7.07	6.23	5.60	5.41	5.12
	-27.54	-19.84	-16.04	-15.78	-17.61	-29.53	-53.56	-80.24	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.43	-115.19	-101.04	-110.77	-105.04	-96.46	-85.28	-59.20
74TH STREET_GT_2	88.87	80.81	77.09	76.77	78.66	90.81	120.15	147.42	142.54	150.56	172.15	172.80	173.71	174.11	174.41	174.24	191.26	193.52	175.58	185.83	171.78	158.68	147.08	120.59
24261	5.12	4.88	4.89	4.83	4.83	4.91	5.89	6.16	6.85	7.04	7.11	6.44	5.97	5.81	5.75	5.60	7.08	7.44	7.14	7.07	6.23	5.60	5.41	5.12
	-27.54	-19.84	-16.04	-15.78	-17.61	-29.53	-53.56	-80.24	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.43	-115.19	-101.04	-110.77	-105.04	-96.46	-85.28	-59.20
ADK HUDSON___FALLS	95.16	85.10	80.40	80.07	82.57	98.03	133.87	168.36	139.25	135.34	129.51	129.05	124.00	122.60	121.36	122.51	129.99	150.58	146.05	137.14	128.91	121.85	115.70	115.82
24011	3.88	3.76	3.82	3.82	3.93	4.06	4.98	5.19	5.78	6.15	6.28	5.63	5.25	5.05	4.95	5.03	6.26	6.59	6.20	6.26	5.45	4.93	4.62	4.28
	-35.07	-25.25	-20.43	-20.09	-22.42	-37.59	-68.19	-102.16	-66.98	-60.86	-54.16	-60.90	-59.06	-59.46	-58.89	-60.92	-54.99	-73.10	-72.45	-62.89	-62.96	-60.31	-54.70	-55.27
ADK RESOURCE___RCVRY	95.46	85.40	80.69	80.36	82.86	98.45	134.33	168.92	139.89	136.00	130.16	129.65	124.64	123.21	121.92	123.00	130.64	151.33	146.69	137.78	129.43	122.40	116.19	116.25
23798	4.16	4.04	4.10	4.10	4.22	4.45	5.40	5.68	6.38	6.77	6.91	6.19	5.85	5.63	5.47	5.48	6.87	7.30	6.80	6.86	5.93	5.44	5.08	4.67
	-35.09	-25.27	-20.44	-20.10	-22.43	-37.61	-68.23	-102.22	-67.02	-60.90	-54.19	-60.94	-59.10	-59.50	-58.92	-60.96	-55.02	-73.14	-72.49	-62.92	-62.99	-60.35	-54.73	-55.31
ADK S GLENS___FALLS	95.16	85.10	80.40	80.07	82.57	98.03	133.88	176.16	139.25	135.34	129.51	129.05	124.00	122.60	121.36	122.51	129.99	150.58	146.05	137.14	128.91	121.85	115.70	115.82
24028	3.88	3.76	3.82	3.82	3.93	4.06	4.98	5.19	5.78	6.15	6.28	5.63	5.25	5.05	4.95	5.03	6.26	6.59	6.20	6.26	5.45	4.93	4.62	4.28
	-35.07	-25.25	-20.43	-20.09	-22.42	-37.59	-68.20	-109.96	-66.98	-60.86	-54.16	-60.90	-59.06	-59.46	-58.89	-60.92	-54.99	-73.10	-72.45	-62.89	-62.96	-60.31	-54.70	-55.27
ADK_NYS___DAM	93.68	84.16	79.56	79.30	81.67	96.63	130.97	163.86	135.86	131.98	126.08	125.74	120.93	119.55	118.40	119.28	126.61	146.48	142.19	133.50	125.57	118.81	113.18	113.34
23527	3.54	3.64	3.65	3.71	3.77	3.89	4.31	4.03	4.58	4.78	4.63	4.31	4.12	3.95	3.91	3.79	4.68	4.89	4.72	4.69	4.17	3.85	3.89	3.60
	-33.92	-24.43	-19.76	-19.43	-21.69	-36.36	-65.96	-98.82	-64.79	-58.87	-52.39	-58.91	-57.14	-57.52	-56.96	-58.93	-53.18	-70.70	-70.07	-60.83	-60.89	-58.34	-52.91	-53.47
AIR_PRODUCTS___DRP	92.52	82.88	78.32	78.00	80.31	95.09	128.64	161.79	133.50	129.47	123.79	123.52	118.87	117.60	116.47	117.44	124.34	144.04	139.74	131.08	123.38	116.79	111.28	111.89
24190	2.30	2.30	2.36	2.36	2.36	2.26	1.82	1.71	2.06	2.12	2.21	1.94	1.91	1.86	1.84	1.81	2.27	2.27	2.09	2.11	1.82	1.70	1.86	2.03
	-34.00	-24.49	-19.81	-19.48	-21.74	-36.45	-66.12	-99.07	-64.95	-59.01	-52.52	-59.06	-57.28	-57.66	-57.10	-59.07	-53.32	-70.89	-70.26	-60.99	-61.05	-58.48	-53.04	-53.60
AKWESSNE_115KV_BK	55.26	55.19	55.26	55.26	55.26	55.31	58.45	58.94	64.23	66.01	66.78	60.46	58.19	56.68	56.15	55.26	66.34	68.33	64.90	65.61	58.45	55.14	55.20	55.20
355683	-0.96	-0.90	-0.90	-0.90	-0.96	-1.07	-2.25	-2.07	-2.26	-2.32	-2.28	-2.06	-1.49	-1.39	-1.38	-1.30	-2.41	-2.55	-2.49	-2.38	-2.06	-1.47	-1.18	-1.07
	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	92.54	83.08	78.56	78.24	80.51	95.12	128.52	160.98	133.38	129.56	123.95	123.44	118.72	117.42	116.29	117.27	124.52	143.98	139.63	131.16	123.31	116.78	111.20	111.74
323833	2.98	2.97	2.97	2.97	2.98	2.99	2.97	2.81	3.19	3.35	3.38	3.00	2.86	2.79	2.76	2.77	3.50	3.61	3.37	3.40	2.96	2.83	2.82	2.92
	-33.35	-24.02	-19.43	-19.11	-21.32	-35.75	-64.85	-97.16	-63.70	-57.88	-51.51	-57.92	-56.17	-56.55	-56.00	-57.93	-52.27	-69.48	-68.86	-59.77	-59.84	-57.33	-51.99	-52.54
ALBANY_2_SOLAR	92.54	83.03	78.56	78.24	80.51	95.12	128.53	160.99	133.38	129.50	123.89	123.45	118.73	117.43	116.30	117.27	124.52	143.92	139.64	131.17	123.32	116.73	111.20	111.69
323834	2.98	2.91	2.97	2.97	2.98	2.99	2.97	2.81	3.19	3.28	3.31	3.00	2.86	2.79	2.76	2.77	3.50	3.54	3.37	3.40	2.96	2.77	2.82	2.87
	-33.35	-24.02	-19.43	-19.11	-21.33	-35.75	-64.86	-97.17	-63.71	-57.88	-51.51	-57.93	-56.18	-56.56	-56.01	-57.94	-52.27	-69.49	-68.87	-59.78	-59.84	-57.34	-52.00	-52.55
ALBANY___1	92.52	82.88	78.32	78.00	80.31	95.09	128.64	161.79	133.50	129.47	123.79	123.52	118.87	117.60	116.47	117.44	124.34	144.04	139.74	131.08	123.38	116.79	111.28	111.89
23571	2.30	2.30	2.36	2.36	2.36	2.26	1.82	1.71	2.06	2.12	2.21	1.94	1.91	1.86	1.84	1.81	2.27	2.27	2.09	2.11	1.82	1.70	1.86	2.03
	-34.00	-24.49	-19.81	-19.48	-21.74	-36.45	-66.12	-99.07	-64.95	-59.01	-52.52	-59.06	-57.28	-57.66	-57.10	-59.07	-53.32	-70.89	-70.26	-60.99	-61.05	-58.48	-53.04	-53.60



ALBANY___2 23572	92.52 2.30 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.09 2.26 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.34 2.27 -53.32	144.04 2.27 -70.89	139.74 2.09 -70.26	131.08 2.11 -60.99	123.38 1.82 -61.05	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.03 -53.60
ALBANY___3 23573	92.52 2.30 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.09 2.26 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.34 2.27 -53.32	144.04 2.27 -70.89	139.74 2.09 -70.26	131.08 2.11 -60.99	123.38 1.82 -61.05	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.03 -53.60
ALBANY___4 23574	92.52 2.30 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.09 2.26 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.34 2.27 -53.32	144.04 2.27 -70.89	139.74 2.09 -70.26	131.08 2.11 -60.99	123.38 1.82 -61.05	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.03 -53.60
ALBANY___LFGE 323615	93.21 2.70 -34.30	83.49 2.69 -24.70	78.89 2.75 -19.98	78.56 2.75 -19.65	80.95 2.81 -21.93	95.91 2.76 -36.77	129.95 2.55 -66.70	163.32 2.38 -99.93	134.86 2.86 -65.52	130.80 2.94 -59.53	125.07 3.04 -52.98	124.78 2.69 -59.57	120.08 2.62 -57.78	118.80 2.55 -58.17	117.66 2.53 -57.60	118.63 2.49 -59.59	125.62 3.10 -53.78	145.49 3.12 -71.49	141.15 2.90 -70.86	132.42 2.92 -61.51	124.62 2.54 -61.57	117.98 2.38 -58.99	112.36 2.48 -53.50	112.87 2.53 -54.06
ALCOA_PA_115KV_PL-6C 55860	55.42 -0.79 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.43 -0.73 0.00	55.42 -0.79 0.00	55.42 -0.96 0.00	58.03 -2.67 0.00	58.51 -2.50 0.00	63.76 -2.73 0.00	65.53 -2.80 0.00	66.30 -2.76 0.00	60.02 -2.50 0.00	58.31 -1.37 0.00	56.92 -1.16 0.00	56.38 -1.15 0.00	55.49 -1.07 0.00	65.86 -2.89 0.00	67.84 -3.05 0.00	64.43 -2.97 0.00	65.13 -2.86 0.00	58.03 -2.48 0.00	55.31 -1.30 0.00	55.48 -0.90 0.00	55.43 -0.84 0.00
ALCOA_RYNLDS___DRP 24188	55.42 -0.79 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.43 -0.73 0.00	55.42 -0.79 0.00	55.42 -0.96 0.00	58.03 -2.67 0.00	58.51 -2.50 0.00	63.76 -2.73 0.00	65.53 -2.80 0.00	66.30 -2.76 0.00	60.02 -2.50 0.00	58.31 -1.37 0.00	56.92 -1.16 0.00	56.38 -1.15 0.00	55.49 -1.07 0.00	65.86 -2.89 0.00	67.84 -3.05 0.00	64.43 -2.97 0.00	65.13 -2.86 0.00	58.03 -2.48 0.00	55.31 -1.30 0.00	55.48 -0.90 0.00	55.43 -0.84 0.00
ALCOA___DSASP 323711	55.42 -0.79 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.42 -0.73 0.00	55.42 -0.79 0.00	55.31 -1.07 0.00	58.03 -2.67 0.00	58.51 -2.50 0.00	63.76 -2.73 0.00	65.53 -2.80 0.00	66.30 -2.76 0.00	60.02 -2.50 0.00	57.42 -2.27 0.00	56.57 -1.51 0.00	56.38 -1.15 0.00	55.48 -1.08 0.00	65.86 -2.88 0.00	67.84 -3.05 0.00	64.43 -2.96 0.00	65.14 -2.85 0.00	58.03 -2.48 0.00	55.32 -1.30 0.00	55.42 -0.96 0.00	55.43 -0.84 0.00
ALLEGHENY___COGEN 23514	61.85 0.90 -4.75	60.01 0.50 -3.42	59.54 0.62 -2.76	59.49 0.62 -2.72	60.14 0.90 -3.03	63.11 1.64 -5.09	73.26 3.34 -9.23	77.77 2.93 -13.83	78.21 2.66 -9.06	79.10 2.53 -8.24	78.53 2.14 -7.33	72.45 1.69 -8.24	65.23 -2.45 -7.99	63.40 -2.73 -8.05	62.79 -2.70 -7.97	62.15 -2.66 -8.24	74.40 -1.79 -7.44	78.58 -2.20 -9.89	75.91 -1.28 -9.80	74.94 -1.56 -8.51	67.15 -1.88 -8.52	62.51 -2.27 -8.16	64.74 0.96 -7.40	64.60 0.85 -7.48
ALTAMONT_115KV_TB 2 55880	92.51 2.30 -33.99	82.82 2.24 -24.48	78.26 2.30 -19.80	77.93 2.30 -19.48	80.25 2.30 -21.73	95.13 2.31 -36.44	129.35 2.55 -66.10	162.55 2.50 -99.03	134.21 2.79 -64.93	130.27 2.94 -59.00	124.53 2.97 -52.50	124.19 2.63 -59.04	119.45 2.51 -57.26	118.16 2.44 -57.64	117.03 2.42 -57.08	117.99 2.38 -59.05	125.01 2.96 -53.31	144.80 3.05 -70.87	140.53 2.90 -70.24	131.88 2.92 -60.97	124.08 2.54 -61.03	117.40 2.32 -58.46	111.72 2.31 -53.02	112.10 2.25 -53.58
ALTONA_WT_PWR 323606	56.77 0.56 0.00	56.71 0.62 0.00	56.78 0.62 0.00	56.83 0.68 0.00	56.89 0.68 0.00	56.89 0.51 0.00	60.46 -0.24 0.00	61.08 0.06 0.00	66.55 0.07 0.00	68.47 0.14 0.00	69.27 0.21 0.00	62.65 0.13 0.00	59.74 0.06 0.00	58.31 0.23 0.00	57.93 0.41 0.00	56.96 0.40 0.00	68.41 -0.34 0.00	70.18 -0.71 0.00	66.25 -1.15 0.00	66.63 -1.36 0.00	59.18 -1.33 0.00	55.65 -0.96 0.00	55.76 -0.62 0.00	55.54 -0.73 0.00
AMERICAN_REF_FUEL 24010	55.41 -4.95 -4.15	53.98 -5.10 -2.99	53.74 -4.83 -2.42	53.59 -4.94 -2.38	54.14 -4.72 -2.65	56.77 -4.06 -4.45	65.37 -3.40 -8.07	68.28 -4.82 -12.09	68.36 -6.05 -7.93	69.52 -6.01 -7.20	69.25 -6.22 -6.41	64.16 -5.56 -7.21	61.48 -5.19 -6.99	59.60 -5.52 -7.04	58.74 -5.75 -6.97	58.00 -5.77 -7.21	69.55 -5.71 -6.51	73.44 -6.10 -8.65	70.31 -5.66 -8.57	69.52 -5.92 -7.44	62.34 -5.63 -7.45	58.21 -5.55 -7.14	57.05 -5.81 -6.47	57.41 -5.40 -6.54
ARKWRIGHT___SUMMIT_WT_PWR 323751	58.29 -2.64 -4.72	56.51 -2.97 -3.40	56.32 -2.58 -2.75	56.22 -2.64 -2.70	56.87 -2.36 -3.02	59.63 -1.81 -5.06	69.02 -0.85 -9.17	72.80 -1.95 -13.74	72.57 -2.92 -9.01	73.71 -2.80 -8.18	73.38 -2.97 -7.28	67.90 -2.81 -8.19	64.70 -2.92 -7.94	62.53 -3.54 -8.00	61.59 -3.85 -7.92	60.85 -3.90 -8.19	72.77 -3.37 -7.39	77.60 -3.12 -9.83	74.44 -2.70 -9.74	73.52 -2.92 -8.46	65.95 -3.02 -8.46	61.50 -3.22 -8.11	60.01 -3.72 -7.35	60.44 -3.27 -7.43
ARTHUR KILL_GT_1 23520	88.71 4.95 -27.55	80.65 4.71 -19.84	76.87 4.66 -16.05	76.55 4.61 -15.79	78.44 4.61 -17.62	90.47 4.57 -29.53	119.38 5.16 -53.52	146.76 5.49 -80.25	141.87 6.18 -69.20	125.67 6.28 -51.06	171.81 6.77 -95.98	172.49 6.13 -103.84	173.52 5.79 -108.05	173.82 5.52 -110.22	174.07 5.41 -111.14	173.96 5.32 -112.08	190.93 6.74 -115.44	193.33 7.23 -115.21	175.39 6.94 -101.05	200.00 6.86 -125.15	171.61 6.05 -105.05	198.82 5.49 -136.72	146.91 5.24 -85.28	120.31 4.84 -59.20
ARTHUR_KILL_2 23512	88.54 4.78 -27.55	80.48 4.54 -19.84	76.70 4.49 -16.05	76.38 4.44 -15.79	78.27 4.44 -17.62	90.31 4.40 -29.53	119.20 4.98 -53.52	146.58 5.31 -80.25	141.61 5.92 -69.20	125.47 6.08 -51.06	171.60 6.56 -95.98	172.30 5.94 -103.84	173.35 5.61 -108.05	173.64 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.73 6.53 -115.44	193.04 6.95 -115.21	175.19 6.74 -101.05	199.73 6.59 -125.15	171.37 5.81 -105.05	198.65 5.32 -136.72	146.68 5.02 -85.28	120.14 4.67 -59.20
ARTHUR_KILL_3 23513	88.14 4.39 -27.54	80.13 4.21 -19.83	76.35 4.16 -16.04	76.03 4.10 -15.78	77.92 4.10 -17.61	90.25 4.34 -29.52	119.33 5.10 -53.53	137.52 5.31 -71.20	134.46 5.92 -62.06	125.48 6.08 -51.06	125.20 6.14 -50.00	121.25 5.56 -53.17	120.25 5.25 -55.31	120.25 5.05 -57.12	120.25 4.95 -57.78	120.25 4.80 -58.88	118.25 6.12 -43.39	117.25 6.45 -39.91	117.25 6.20 -43.66	117.25 6.12 -43.14	118.00 5.38 -52.11	118.52 4.81 -57.10	124.27 4.62 -63.26	117.09 4.44 -56.37



ARTHUR_KILL_COGEN 323718	88.71 4.95 -27.55	80.65 4.71 -19.84	76.87 4.66 -16.05	76.55 4.61 -15.79	78.44 4.61 -17.62	90.47 4.57 -29.53	119.38 5.16 -53.52	146.76 5.49 -80.25	141.87 6.18 -69.20	125.67 6.28 -51.06	171.81 6.77 -95.98	172.49 6.13 -103.84	173.52 5.79 -108.05	173.82 5.52 -110.22	174.07 5.41 -111.14	173.96 5.32 -112.08	190.93 6.74 -115.44	193.33 7.23 -115.21	175.39 6.94 -101.05	200.00 6.86 -125.15	171.61 6.05 -105.05	198.82 5.49 -136.72	146.91 5.24 -85.28	120.31 4.84 -59.20
ASHOKAN____ 23654	88.86 1.97 -30.68	79.93 1.74 -22.10	75.77 1.74 -17.87	75.42 1.68 -17.58	77.52 1.68 -19.62	91.13 1.86 -32.89	122.86 2.49 -59.67	152.67 2.26 -89.39	127.89 2.79 -58.61	124.18 2.60 -53.25	118.80 2.35 -47.39	117.87 2.06 -53.29	113.22 1.85 -51.68	111.91 1.80 -52.03	110.90 1.84 -51.53	111.84 1.98 -53.31	119.41 2.68 -47.98	137.87 3.19 -63.79	133.72 3.10 -63.22	125.86 2.99 -54.88	117.93 2.48 -54.94	111.35 2.10 -52.64	105.98 1.86 -47.74	106.37 1.85 -48.24
ASTORIA_EAST_ENERGY_CC1 323581	88.99 5.23 -27.55	80.99 5.05 -19.84	77.32 5.11 -16.05	77.00 5.06 -15.79	78.89 5.06 -17.62	91.10 5.18 -29.53	120.28 6.01 -53.57	147.50 6.23 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.63 5.91 -97.03	162.58 5.63 -98.87	162.59 5.52 -99.54	162.59 5.43 -100.60	178.14 6.87 -102.52	183.18 7.23 -105.06	170.49 6.94 -96.15	174.99 7.00 -100.00	171.66 6.11 -105.04	158.62 5.55 -96.45	146.96 5.30 -85.27	120.53 5.07 -59.19
ASTORIA_EAST_ENERGY_CC2 323582	88.99 5.23 -27.55	80.99 5.05 -19.84	77.32 5.11 -16.05	77.05 5.11 -15.79	78.95 5.11 -17.62	91.16 5.24 -29.53	120.28 6.01 -53.57	147.56 6.29 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.63 5.91 -97.03	162.58 5.63 -98.87	162.64 5.58 -99.54	162.59 5.43 -100.60	178.14 6.87 -102.52	183.18 7.23 -105.06	170.49 6.94 -96.15	174.99 7.00 -100.00	171.73 6.18 -105.04	158.62 5.55 -96.45	147.02 5.36 -85.27	120.53 5.07 -59.19
ASTORIA_GT2_1 24094	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT2_2 24095	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT2_3 24096	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT2_4 24097	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT3_1 24098	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT3_2 24099	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT3_3 24100	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT3_4 24101	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT4_1 24102	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT4_2 24103	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT4_3 24104	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19



ASTORIA_GT4_4 24105	88.99 5.23 -27.55	80.98 5.05 -19.84	77.32 5.11 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.10 5.19 -29.53	120.28 6.01 -53.57	147.55 6.28 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.51 5.79 -97.03	162.58 5.63 -98.87	162.65 5.58 -99.54	162.65 5.49 -100.60	178.20 6.94 -102.50	183.16 7.23 -105.04	170.54 7.01 -96.14	174.98 7.00 -99.98	171.71 6.17 -105.03	158.62 5.55 -96.45	147.01 5.36 -85.27	120.52 5.06 -59.19
ASTORIA_GT_1 23523	89.11 5.34 -27.55	81.09 5.16 -19.84	77.43 5.22 -16.05	77.11 5.16 -15.79	79.00 5.17 -17.62	91.22 5.30 -29.53	120.40 6.13 -53.57	147.67 6.41 -80.25	142.47 6.79 -69.19	150.41 6.90 -75.18	162.71 7.05 -86.61	162.73 6.38 -93.83	162.81 6.09 -97.03	162.76 5.81 -98.87	162.76 5.70 -99.54	162.76 5.60 -100.60	178.35 7.08 -102.52	183.38 7.44 -105.06	170.69 7.14 -96.15	175.12 7.14 -100.00	171.85 6.29 -105.04	158.73 5.66 -96.45	147.13 5.47 -85.27	120.63 5.17 -59.19
ASTORIA_GT_10 24110	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.76 5.44 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA_GT_11 24225	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.76 5.44 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA_GT_12 24226	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.76 5.44 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA_GT_13 24227	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.76 5.44 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA_GT_5 24106	89.10 5.34 -27.55	81.10 5.16 -19.84	77.43 5.22 -16.05	77.11 5.17 -15.79	79.00 5.17 -17.62	91.16 5.24 -29.53	120.40 6.13 -53.57	147.68 6.41 -80.25	142.46 6.78 -69.19	150.41 6.90 -75.18	162.71 7.04 -86.61	162.73 6.38 -93.83	162.69 5.97 -97.03	162.70 5.75 -98.87	162.76 5.70 -99.54	162.76 5.60 -100.60	178.33 7.08 -102.50	183.37 7.44 -105.04	170.68 7.14 -96.14	175.11 7.14 -99.98	171.83 6.29 -105.03	158.73 5.66 -96.45	147.13 5.47 -85.27	120.64 5.18 -59.19
ASTORIA_GT_7 24107	89.10 5.34 -27.55	81.10 5.16 -19.84	77.43 5.22 -16.05	77.11 5.17 -15.79	79.00 5.17 -17.62	91.16 5.24 -29.53	120.40 6.13 -53.57	147.68 6.41 -80.25	142.46 6.78 -69.19	150.41 6.90 -75.18	162.71 7.04 -86.61	162.73 6.38 -93.83	162.69 5.97 -97.03	162.70 5.75 -98.87	162.76 5.70 -99.54	162.76 5.60 -100.60	178.33 7.08 -102.50	183.37 7.44 -105.04	170.68 7.14 -96.14	175.11 7.14 -99.98	171.83 6.29 -105.03	158.73 5.66 -96.45	147.13 5.47 -85.27	120.64 5.18 -59.19
ASTORIA_GT_8 24108	89.10 5.34 -27.55	81.10 5.16 -19.84	77.43 5.22 -16.05	77.11 5.17 -15.79	79.00 5.17 -17.62	91.16 5.24 -29.53	120.40 6.13 -53.57	147.68 6.41 -80.25	142.46 6.78 -69.19	150.41 6.90 -75.18	162.71 7.04 -86.61	162.73 6.38 -93.83	162.69 5.97 -97.03	162.70 5.75 -98.87	162.76 5.70 -99.54	162.76 5.60 -100.60	178.33 7.08 -102.50	183.37 7.44 -105.04	170.68 7.14 -96.14	175.11 7.14 -99.98	171.83 6.29 -105.03	158.73 5.66 -96.45	147.13 5.47 -85.27	120.64 5.18 -59.19
ASTORIA___2 24149	88.99 5.23 -27.55	80.99 5.05 -19.84	77.32 5.11 -16.05	77.05 5.11 -15.79	78.95 5.11 -17.62	91.16 5.24 -29.53	120.28 6.01 -53.57	147.56 6.29 -80.25	142.33 6.65 -69.19	150.21 6.70 -75.18	162.57 6.91 -86.61	162.60 6.25 -93.83	162.63 5.91 -97.03	162.65 5.70 -98.87	162.64 5.58 -99.54	162.65 5.48 -100.60	178.20 6.94 -102.52	183.18 7.23 -105.06	170.56 7.01 -96.15	174.99 7.00 -100.00	171.73 6.18 -105.04	158.62 5.55 -96.45	147.02 5.36 -85.27	120.53 5.07 -59.19
ASTORIA___3 23516	88.76 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.81 4.90 -29.53	119.97 5.70 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.14 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.59 5.85 -108.05	173.93 5.63 -110.22	174.19 5.52 -111.14	174.02 5.38 -112.08	191.00 6.81 -115.44	193.25 7.16 -115.21	175.33 6.88 -101.05	200.00 6.86 -125.15	171.61 6.05 -105.05	198.81 5.49 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA___4 23517	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.76 5.44 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
ASTORIA___5 23518	88.76 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.81 4.90 -29.53	119.97 5.70 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.14 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.59 5.85 -108.05	173.93 5.63 -110.22	174.19 5.52 -111.14	174.02 5.38 -112.08	191.00 6.81 -115.44	193.25 7.16 -115.21	175.33 6.88 -101.05	200.00 6.86 -125.15	171.61 6.05 -105.05	198.81 5.49 -136.71	146.91 5.24 -85.28	120.42 4.95 -59.20
AST_ENERGY_2_CC3 323677	88.42 4.66 -27.54	80.36 4.43 -19.83	76.63 4.44 -16.04	76.32 4.38 -15.78	78.21 4.39 -17.61	90.47 4.57 -29.52	119.66 5.40 -53.56	146.87 5.61 -80.24	139.09 6.38 -66.22	145.17 6.56 -70.27	162.26 6.63 -86.57	162.32 6.00 -93.79	162.35 5.67 -96.99	162.37 5.46 -98.83	162.38 5.35 -99.50	162.32 5.20 -100.56	177.84 6.60 -102.49	182.87 6.95 -105.03	167.36 6.67 -93.29	174.56 6.59 -99.97	161.40 5.81 -95.08	149.48 5.21 -87.66	139.15 5.08 -77.70	117.42 4.78 -56.37
AST_ENERGY_2_CC4 323678	88.42 4.66 -27.54	80.36 4.43 -19.83	76.63 4.44 -16.04	76.32 4.38 -15.78	78.21 4.39 -17.61	90.47 4.57 -29.52	119.66 5.40 -53.56	146.87 5.61 -80.24	139.09 6.38 -66.22	145.17 6.56 -70.27	162.26 6.63 -86.57	162.32 6.00 -93.79	162.35 5.67 -96.99	162.37 5.46 -98.83	162.38 5.35 -99.50	162.32 5.20 -100.56	177.84 6.60 -102.49	182.87 6.95 -105.03	167.36 6.67 -93.29	174.56 6.59 -99.97	161.40 5.81 -95.08	149.48 5.21 -87.66	139.15 5.08 -77.70	117.42 4.78 -56.37



ATHENS_STG_1 23668	89.52 2.75 -30.56	80.79 2.69 -22.01	76.65 2.70 -17.80	76.36 2.70 -17.51	78.45 2.70 -19.54	91.96 2.82 -32.75	123.39 3.28 -59.42	153.33 3.29 -89.02	128.51 3.65 -58.36	125.12 3.76 -53.03	119.98 3.73 -47.19	119.03 3.44 -53.07	114.37 3.22 -51.47	112.97 3.08 -51.82	111.89 3.05 -51.31	112.58 2.94 -53.08	120.43 3.78 -47.91	138.47 3.90 -63.69	134.22 3.70 -63.12	126.52 3.74 -54.79	118.62 3.27 -54.85	112.17 3.00 -52.55	106.92 2.87 -47.66	107.13 2.70 -48.16
ATHENS_STG_2 23670	89.52 2.75 -30.56	80.79 2.69 -22.01	76.65 2.70 -17.80	76.36 2.70 -17.51	78.45 2.70 -19.54	91.96 2.82 -32.75	123.39 3.28 -59.42	153.33 3.29 -89.02	128.51 3.65 -58.36	125.12 3.76 -53.03	119.98 3.73 -47.19	119.03 3.44 -53.07	114.37 3.22 -51.47	112.97 3.08 -51.82	111.89 3.05 -51.31	112.58 2.94 -53.08	120.43 3.78 -47.91	138.47 3.90 -63.69	134.22 3.70 -63.12	126.52 3.74 -54.79	118.62 3.27 -54.85	112.17 3.00 -52.55	106.92 2.87 -47.66	107.13 2.70 -48.16
ATHENS_STG_3 23677	89.52 2.75 -30.56	80.79 2.69 -22.01	76.65 2.70 -17.80	76.36 2.70 -17.51	78.45 2.70 -19.54	91.96 2.82 -32.75	123.39 3.28 -59.42	153.33 3.29 -89.02	128.51 3.65 -58.36	125.12 3.76 -53.03	119.98 3.73 -47.19	119.03 3.44 -53.07	114.37 3.22 -51.47	112.97 3.08 -51.82	111.89 3.05 -51.31	112.58 2.94 -53.08	120.43 3.78 -47.91	138.47 3.90 -63.69	134.22 3.70 -63.12	126.52 3.74 -54.79	118.62 3.27 -54.85	112.17 3.00 -52.55	106.92 2.87 -47.66	107.13 2.70 -48.16
AUBURN___LFGE 323710	59.44 -0.22 -3.45	58.24 -0.34 -2.49	57.89 -0.28 -2.01	57.85 -0.28 -1.98	58.25 -0.17 -2.21	60.08 0.00 -3.70	68.32 0.91 -6.71	72.05 0.98 -10.05	74.08 1.00 -6.59	75.35 1.03 -5.99	75.36 0.97 -5.33	69.39 0.88 -5.99	66.03 0.54 -5.81	64.45 0.52 -5.85	63.78 0.46 -5.79	62.95 0.40 -5.99	75.30 1.03 -5.52	79.43 1.21 -7.34	75.88 1.21 -7.27	75.32 1.02 -6.31	67.55 0.73 -6.32	63.12 0.45 -6.05	61.93 0.06 -5.49	61.76 -0.06 -5.55
BABYLON_RES_REC 323704	97.08 5.85 -35.02	88.72 5.72 -26.90	77.93 5.73 -16.04	77.60 5.67 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.67 7.07 -83.58	150.54 7.78 -76.28	147.61 7.86 -71.42	148.73 7.87 -71.80	150.21 7.12 -80.57	148.49 6.74 -82.07	150.03 6.45 -85.50	150.01 6.38 -86.10	148.53 6.28 -85.69	151.74 7.90 -75.09	155.71 8.36 -76.46	154.58 8.02 -79.16	153.33 7.95 -77.39	150.70 6.96 -83.23	148.35 6.34 -85.39	138.90 6.09 -76.42	109.68 5.85 -47.55
BABYLON__69_KV_BK2 356345	97.70 6.46 -35.02	89.33 6.34 -26.90	78.54 6.35 -16.04	78.22 6.29 -15.77	89.27 6.35 -26.71	112.98 6.43 -50.16	148.65 7.65 -80.30	152.47 7.87 -83.58	151.35 8.58 -76.28	148.30 8.54 -71.42	149.49 8.63 -71.80	150.90 7.82 -80.57	148.97 7.22 -82.07	150.67 7.09 -85.50	150.65 7.02 -86.10	149.09 6.84 -85.69	152.56 8.73 -75.08	156.55 9.22 -76.45	155.37 8.83 -79.15	154.14 8.77 -77.38	151.41 7.68 -83.22	148.97 6.96 -85.39	139.46 6.65 -76.42	110.24 6.42 -47.55
BALL_HILL_WT_PWR 323825	57.14 -3.65 -4.58	55.52 -3.87 -3.30	55.34 -3.48 -2.67	55.25 -3.54 -2.63	55.82 -3.32 -2.93	58.53 -2.76 -4.91	67.67 -1.94 -8.91	71.32 -3.05 -13.35	71.12 -4.12 -8.75	72.19 -4.10 -7.95	71.92 -4.21 -7.08	66.66 -3.82 -7.96	63.76 -3.64 -7.72	61.84 -4.01 -7.77	60.97 -4.26 -7.69	60.17 -4.35 -7.96	71.94 -3.99 -7.18	76.32 -4.11 -9.55	73.09 -3.77 -9.47	72.20 -4.01 -8.22	64.80 -3.93 -8.22	60.48 -4.02 -7.88	59.13 -4.40 -7.15	59.50 -3.99 -7.22
BARON_WINDS___WT_PWR 323822	60.77 -1.57 -6.13	58.71 -1.80 -4.42	58.21 -1.51 -3.57	58.10 -1.57 -3.51	58.78 -1.35 -3.92	62.05 -0.90 -6.57	72.62 0.00 -11.92	78.33 -0.55 -17.86	77.07 -1.13 -11.71	77.81 -1.16 -10.64	77.22 -1.31 -9.47	71.98 -1.19 -10.65	68.76 -1.26 -10.33	66.85 -1.63 -10.40	66.04 -1.78 -10.30	65.29 -1.92 -10.65	76.98 -1.37 -9.60	82.30 -1.35 -12.77	78.90 -1.15 -12.65	77.54 -1.43 -10.98	69.93 -1.57 -10.99	65.34 -1.81 -10.53	63.85 -2.09 -9.55	64.01 -1.91 -9.65
BARRETT_IC_1 23704	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_10 23701	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_11 23702	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_12 23703	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_2 23705	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_3 23706	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_4 23707	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56



BARRETT_IC_5 23708	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_6 23709	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_7 23710	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.05 -16.04	76.99 5.05 -15.77	87.98 5.06 -26.71	111.74 5.19 -50.16	147.19 6.19 -80.30	150.95 6.35 -83.58	149.75 6.98 -76.28	146.86 7.11 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.78 6.03 -82.07	149.45 5.87 -85.50	149.38 5.75 -86.10	147.90 5.66 -85.69	150.98 7.15 -75.08	154.78 7.44 -76.45	153.76 7.21 -79.15	152.51 7.14 -77.38	150.02 6.29 -83.22	147.73 5.72 -85.39	138.33 5.53 -76.42	109.12 5.29 -47.55
BARRETT_IC_8 23711	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT_IC_9 23700	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT___1 23545	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BARRETT___2 23546	96.52 5.28 -35.02	88.10 5.10 -26.90	77.25 5.06 -16.04	76.99 5.06 -15.77	87.98 5.06 -26.71	111.79 5.24 -50.16	147.20 6.19 -80.31	150.95 6.35 -83.59	149.76 6.98 -76.29	146.87 7.11 -71.43	148.05 7.18 -71.81	149.60 6.50 -80.58	147.91 6.15 -82.07	149.45 5.86 -85.51	149.39 5.75 -86.11	147.91 5.66 -85.70	150.99 7.15 -75.10	154.80 7.44 -76.47	153.78 7.21 -79.17	152.52 7.14 -77.40	150.04 6.29 -83.24	147.73 5.72 -85.40	138.34 5.53 -76.43	109.12 5.29 -47.56
BATAVIA___115KV_TB1 55881	57.47 -2.59 -3.85	56.06 -2.80 -2.77	55.81 -2.58 -2.24	55.72 -2.64 -2.20	56.31 -2.36 -2.46	58.42 -2.09 -4.12	67.76 -0.42 -7.48	70.70 -1.53 -11.21	71.58 -2.26 -7.35	72.76 -2.26 -6.68	72.59 -2.42 -5.94	67.02 -2.19 -6.68	63.24 -2.92 -6.48	61.82 -2.79 -6.52	61.34 -2.65 -6.46	60.47 -2.77 -6.68	72.79 -1.99 -6.04	76.85 -2.06 -8.02	73.46 -1.89 -7.95	72.79 -2.11 -6.90	65.06 -2.36 -6.91	60.58 -2.66 -6.62	59.29 -3.10 -6.01	59.47 -2.87 -6.07
BAYONEEC___CTG1 323682	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG10 323750	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG2 323683	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG3 323684	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG4 323685	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG5 323686	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG6 323687	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37



BAYONEEC___CTG7 323688	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG8 323689	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BAYONEEC___CTG9 323749	88.36 4.61 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.61 5.34 -53.57	147.81 5.55 -81.24	137.09 6.25 -64.35	136.31 6.36 -61.62	136.74 6.42 -61.26	132.79 5.82 -64.45	131.79 5.49 -66.62	131.79 5.28 -68.43	131.79 5.18 -69.08	131.79 5.03 -70.20	131.79 6.39 -56.65	134.30 6.74 -56.68	131.79 6.47 -57.92	131.79 6.39 -57.41	131.79 5.63 -65.65	131.79 5.04 -70.14	132.49 4.90 -71.20	117.31 4.67 -56.37
BEACON___LESR 323632	93.44 3.26 -33.97	83.81 3.25 -24.47	79.20 3.26 -19.79	78.88 3.26 -19.46	81.25 3.32 -21.72	96.13 3.33 -36.42	129.98 3.21 -66.06	163.10 3.11 -98.97	134.96 3.59 -64.89	131.05 3.76 -58.96	125.33 3.80 -52.47	124.90 3.37 -59.00	120.07 3.16 -57.22	118.76 3.08 -57.61	117.57 2.99 -57.05	118.57 3.00 -59.02	125.79 3.78 -53.26	145.66 3.97 -70.81	141.28 3.70 -70.18	132.57 3.67 -60.91	124.69 3.20 -60.98	118.04 3.00 -58.42	112.41 3.04 -52.99	112.85 3.04 -53.54
BEAVER RIVER___HYD 24048	57.18 -0.11 -1.08	56.59 -0.28 -0.78	56.45 -0.33 -0.63	56.55 -0.22 -0.62	56.68 -0.22 -0.69	57.43 -0.11 -1.16	63.23 0.43 -2.10	64.84 0.67 -3.15	69.35 0.80 -2.06	70.89 0.68 -1.87	71.35 0.62 -1.67	65.02 0.63 -1.88	62.04 0.54 -1.82	60.55 0.64 -1.83	60.09 0.75 -1.81	59.17 0.73 -1.88	71.27 0.83 -1.70	74.13 0.99 -2.26	70.58 0.94 -2.24	70.75 0.82 -1.94	63.12 0.67 -1.94	59.16 0.68 -1.86	58.64 0.56 -1.69	58.32 0.34 -1.71
BEEBEE_GT_13 23619	57.78 -1.74 -3.31	56.57 -1.91 -2.39	56.29 -1.80 -1.93	56.20 -1.85 -1.90	56.64 -1.69 -2.12	58.53 -1.41 -3.55	66.96 -0.18 -6.44	69.88 -0.79 -9.65	71.49 -1.33 -6.33	72.79 -1.30 -5.75	72.87 -1.31 -5.12	67.09 -1.19 -5.75	63.47 -1.79 -5.58	62.01 -1.68 -5.62	61.48 -1.61 -5.56	60.62 -1.70 -5.76	72.85 -1.10 -5.20	76.67 -1.13 -6.92	73.24 -1.01 -6.85	72.72 -1.22 -5.95	65.07 -1.39 -5.96	60.68 -1.64 -5.71	59.59 -1.97 -5.18	59.59 -1.91 -5.23
BENSHRST_27_KV_BENSHRST_1 355998	89.22 5.45 -27.55	81.15 5.22 -19.84	77.38 5.17 -16.05	77.06 5.11 -15.79	78.95 5.12 -17.62	91.04 5.13 -29.53	120.15 5.89 -53.56	147.55 6.28 -80.25	142.67 6.98 -69.20	150.62 7.11 -75.18	172.64 7.60 -95.98	173.23 6.88 -103.84	174.12 6.39 -108.05	174.52 6.21 -110.22	174.76 6.10 -111.14	174.64 6.00 -112.08	191.74 7.56 -115.43	194.09 8.01 -115.19	176.12 7.68 -101.04	200.74 7.61 -125.14	172.27 6.72 -105.04	199.45 6.11 -136.72	147.47 5.81 -85.28	120.93 5.46 -59.20
BETHLEHEM___GRP 23843	92.52 2.30 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.09 2.26 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.34 2.27 -53.32	144.04 2.27 -70.89	139.74 2.09 -70.26	131.08 2.11 -60.99	123.38 1.82 -61.05	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.03 -53.60
BETHLEHEM___GS1 323560	92.52 2.31 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.15 2.31 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.33 2.27 -53.31	144.03 2.27 -70.87	139.73 2.09 -70.24	131.07 2.11 -60.97	123.36 1.81 -61.04	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.02 -53.60
BETHLEHEM___GS2 323561	92.52 2.31 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.15 2.31 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.33 2.27 -53.31	144.03 2.27 -70.87	139.73 2.09 -70.24	131.07 2.11 -60.97	123.36 1.81 -61.04	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.02 -53.60
BETHLEHEM___GS3 323562	92.52 2.31 -34.00	82.88 2.30 -24.49	78.32 2.36 -19.81	78.00 2.36 -19.48	80.31 2.36 -21.74	95.15 2.31 -36.45	128.64 1.82 -66.12	161.79 1.71 -99.07	133.50 2.06 -64.95	129.47 2.12 -59.01	123.79 2.21 -52.52	123.52 1.94 -59.06	118.87 1.91 -57.28	117.60 1.86 -57.66	116.47 1.84 -57.10	117.44 1.81 -59.07	124.33 2.27 -53.31	144.03 2.27 -70.87	139.73 2.09 -70.24	131.07 2.11 -60.97	123.36 1.81 -61.04	116.79 1.70 -58.48	111.28 1.86 -53.04	111.89 2.02 -53.60
BETHLEHEM___STEEL 23779	56.90 -3.77 -4.45	55.31 -3.98 -3.21	55.10 -3.65 -2.59	54.94 -3.76 -2.55	55.52 -3.54 -2.85	57.77 -3.38 -4.77	67.29 -2.06 -8.66	70.69 -3.29 -12.97	70.67 -4.32 -8.50	71.75 -4.31 -7.72	71.51 -4.42 -6.87	66.25 -4.00 -7.73	62.59 -4.60 -7.50	61.21 -4.41 -7.55	60.63 -4.37 -7.47	59.82 -4.47 -7.73	71.60 -4.12 -6.98	75.84 -4.32 -9.28	72.61 -3.98 -9.19	71.75 -4.22 -7.98	64.38 -4.11 -7.99	60.08 -4.19 -7.66	58.70 -4.62 -6.94	59.12 -4.16 -7.02
BETHLHEM_115KV_TB1 79974	92.50 2.30 -33.98	82.86 2.30 -24.47	78.31 2.36 -19.79	77.98 2.36 -19.47	80.30 2.36 -21.73	95.12 2.31 -36.43	128.78 2.00 -66.08	161.85 1.83 -99.00	133.59 2.19 -64.91	129.63 2.32 -58.98	123.89 2.35 -52.49	123.60 2.06 -59.02	118.95 2.03 -57.24	117.68 1.97 -57.63	116.55 1.96 -57.07	117.52 1.92 -59.03	124.45 2.41 -53.29	144.14 2.41 -70.84	139.90 2.29 -70.21	131.18 2.24 -60.95	123.46 1.94 -61.01	116.93 1.87 -58.44	111.36 1.97 -53.00	111.92 2.08 -53.56
BETHPAGE_CC_5 323564	96.91 5.68 -35.02	88.50 5.50 -26.90	77.70 5.51 -16.04	77.38 5.45 -15.77	88.43 5.51 -26.71	112.19 5.64 -50.16	147.62 6.62 -80.30	151.43 6.83 -83.58	150.28 7.51 -76.28	147.41 7.65 -71.42	148.60 7.73 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.60 7.77 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.13 7.75 -77.39	150.58 6.84 -83.23	148.18 6.17 -85.39	138.78 5.97 -76.42	109.51 5.68 -47.55
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	56.89 -3.82 -4.50	55.30 -4.04 -3.24	55.07 -3.71 -2.62	54.97 -3.76 -2.58	55.55 -3.54 -2.88	57.83 -3.38 -4.83	67.33 -2.12 -8.76	70.84 -3.29 -13.12	70.77 -4.32 -8.60	71.84 -4.31 -7.82	71.60 -4.42 -6.96	66.34 -4.00 -7.82	62.67 -4.60 -7.59	61.30 -4.41 -7.64	60.72 -4.37 -7.56	59.92 -4.47 -7.82	71.68 -4.12 -7.06	75.95 -4.32 -9.39	72.79 -3.91 -9.30	71.85 -4.22 -8.07	64.48 -4.11 -8.08	60.17 -4.19 -7.75	58.78 -4.62 -7.02	59.21 -4.16 -7.10



BINGHAMTON___COGEN 23790	65.21 0.00 -9.00	62.41 -0.17 -6.48	61.34 -0.06 -5.24	61.26 -0.06 -5.16	62.02 0.06 -5.76	66.15 0.11 -9.65	79.18 0.97 -17.51	88.10 0.85 -26.23	84.41 0.73 -17.20	84.71 0.75 -15.62	83.66 0.69 -13.91	78.78 0.63 -15.64	75.15 0.30 -15.16	73.64 0.29 -15.27	72.93 0.29 -15.12	72.43 0.23 -15.64	83.67 0.82 -14.10	90.48 0.85 -18.74	86.92 0.94 -18.58	84.86 0.75 -16.13	77.20 0.54 -16.14	72.42 0.34 -15.47	70.41 0.00 -14.03	70.45 0.00 -14.18
BIXINCNT_115KV_LOAD 355685	57.37 -3.60 -4.76	55.70 -3.81 -3.42	55.56 -3.37 -2.77	55.46 -3.43 -2.72	56.10 -3.15 -3.04	58.49 -2.99 -5.10	68.31 -1.64 -9.25	72.18 -2.68 -13.85	71.85 -3.72 -9.08	72.90 -3.69 -8.25	72.33 -4.07 -7.34	66.90 -3.88 -8.26	63.28 -4.42 -8.01	61.79 -4.36 -8.06	61.20 -4.31 -7.99	60.35 -4.47 -8.26	72.08 -4.12 -7.45	76.75 -4.04 -9.91	73.71 -3.50 -9.82	72.71 -3.81 -8.52	65.11 -3.93 -8.53	60.72 -4.08 -8.18	59.23 -4.57 -7.42	59.77 -4.00 -7.49
BLACK RIVER___HYD 24047	57.90 0.23 -1.46	57.20 0.06 -1.05	57.01 0.00 -0.85	57.10 0.11 -0.84	57.26 0.11 -0.93	58.29 0.34 -1.56	64.93 1.40 -2.84	66.97 1.71 -4.25	71.13 1.86 -2.79	72.64 1.77 -2.53	73.04 1.73 -2.25	66.62 1.56 -2.53	63.57 1.43 -2.46	61.89 1.34 -2.47	61.42 1.44 -2.45	60.56 1.47 -2.53	73.18 2.13 -2.29	76.20 2.27 -3.05	72.64 2.22 -3.02	72.59 1.97 -2.62	64.83 1.69 -2.63	60.60 1.47 -2.52	59.85 1.19 -2.28	59.53 0.96 -2.31
BLACKRVR_115KV_TB2 79977	57.90 0.22 -1.46	57.20 0.06 -1.05	57.01 0.00 -0.85	57.10 0.11 -0.84	57.26 0.11 -0.93	58.23 0.28 -1.56	64.93 1.40 -2.84	66.98 1.71 -4.25	71.14 1.86 -2.79	72.64 1.78 -2.53	73.04 1.73 -2.25	66.62 1.56 -2.53	63.63 1.49 -2.46	61.95 1.39 -2.47	61.41 1.44 -2.45	60.57 1.47 -2.53	73.17 2.13 -2.29	76.20 2.27 -3.05	72.64 2.22 -3.02	72.58 1.97 -2.62	64.83 1.69 -2.62	60.60 1.47 -2.52	59.85 1.18 -2.28	59.53 0.96 -2.31
BLISS_WT_PWR 323608	57.37 -3.60 -4.76	55.70 -3.82 -3.42	55.56 -3.37 -2.77	55.51 -3.37 -2.72	56.16 -3.09 -3.04	58.94 -2.54 -5.10	68.37 -1.58 -9.25	72.25 -2.62 -13.85	71.91 -3.66 -9.08	72.96 -3.62 -8.25	72.40 -4.01 -7.34	66.90 -3.88 -8.26	63.99 -3.70 -8.01	62.02 -4.12 -8.06	61.14 -4.37 -7.99	60.29 -4.53 -8.26	72.01 -4.20 -7.45	76.68 -4.11 -9.91	73.78 -3.43 -9.82	72.78 -3.74 -8.52	65.05 -4.00 -8.53	60.66 -4.13 -8.18	59.23 -4.57 -7.42	59.71 -4.05 -7.49
BLUESTONE___WT_PWR 323821	69.79 3.82 -9.75	66.71 3.59 -7.02	65.38 3.54 -5.68	65.39 3.65 -5.59	66.16 3.71 -6.24	71.01 4.17 -10.45	85.79 6.13 -18.96	95.71 6.29 -28.41	91.76 6.65 -18.63	92.03 6.77 -16.93	90.96 6.84 -15.06	85.52 6.06 -16.94	81.72 5.61 -16.43	79.85 5.23 -16.54	79.02 5.12 -16.38	78.42 4.92 -16.94	90.75 6.74 -15.26	98.47 7.30 -20.28	94.64 7.14 -20.10	92.38 6.94 -17.45	84.03 6.05 -17.47	78.62 5.27 -16.74	76.13 4.57 -15.18	76.00 4.39 -15.34
BLUE_CIRC_CHEM_DRP 24182	92.24 2.59 -33.45	82.76 2.58 -24.09	78.28 2.64 -19.48	77.90 2.58 -19.16	80.24 2.64 -21.39	94.83 2.59 -35.85	128.29 2.55 -65.04	160.90 2.44 -97.44	133.17 2.79 -63.89	129.32 2.94 -58.05	123.69 2.97 -51.66	123.30 2.69 -58.09	118.53 2.51 -56.34	117.30 2.50 -56.72	116.17 2.47 -56.17	117.10 2.43 -58.11	124.23 3.02 -52.45	143.73 3.12 -69.73	139.40 2.90 -69.11	130.90 2.92 -59.99	123.10 2.54 -60.05	116.55 2.43 -57.50	111.02 2.48 -52.15	111.51 2.53 -52.70
BOC_GAS_DRP 24189	92.21 2.14 -33.86	82.61 2.13 -24.39	78.01 2.13 -19.72	77.69 2.13 -19.40	80.05 2.19 -21.65	94.82 2.14 -36.30	128.85 2.31 -65.85	161.86 2.20 -98.65	133.69 2.53 -64.68	129.70 2.60 -58.77	123.98 2.62 -52.30	123.71 2.38 -58.81	118.93 2.21 -57.04	117.65 2.15 -57.42	116.58 2.19 -56.86	117.48 2.09 -58.83	124.53 2.68 -53.10	144.17 2.69 -70.59	139.92 2.56 -69.96	131.30 2.58 -60.73	123.54 2.24 -60.79	116.95 2.09 -58.24	111.28 2.09 -52.82	111.67 2.03 -53.37
BOONVILLE_115KV_TB1 79983	58.66 1.46 -0.99	58.15 1.35 -0.71	58.03 1.29 -0.58	58.13 1.40 -0.57	58.25 1.41 -0.63	59.02 1.58 -1.06	65.06 2.43 -1.93	66.53 2.62 -2.89	71.31 2.93 -1.89	72.99 2.94 -1.72	73.22 2.62 -1.53	66.87 2.63 -1.72	63.86 2.51 -1.67	62.14 2.38 -1.68	61.55 2.36 -1.66	60.55 2.26 -1.72	73.26 2.96 -1.56	76.07 3.12 -2.07	72.48 3.03 -2.05	72.69 2.92 -1.78	64.83 2.54 -1.78	60.53 2.21 -1.71	59.90 1.97 -1.55	59.69 1.86 -1.56
BORALEX_4TH_BRANCH 23824	93.67 3.54 -33.92	84.17 3.65 -24.43	79.57 3.65 -19.76	79.30 3.71 -19.43	81.67 3.77 -21.69	96.58 3.83 -36.36	130.97 4.31 -65.96	163.87 4.03 -98.82	135.86 4.59 -64.79	131.99 4.78 -58.87	126.08 4.63 -52.39	125.75 4.31 -58.91	120.88 4.06 -57.14	119.55 3.95 -57.52	118.40 3.91 -56.96	119.28 3.79 -58.93	126.62 4.67 -53.19	146.49 4.89 -70.71	142.20 4.72 -70.09	133.59 4.76 -60.84	125.65 4.24 -60.90	118.80 3.85 -58.34	113.18 3.89 -52.91	113.34 3.60 -53.47
BOWLINE___1 23526	86.64 3.71 -26.72	78.93 3.59 -19.24	75.37 3.65 -15.56	75.06 3.60 -15.31	76.90 3.60 -17.08	88.69 3.66 -28.64	117.15 4.49 -51.96	143.44 4.58 -77.84	122.83 4.92 -51.42	120.33 4.99 -47.01	117.17 5.04 -43.07	114.74 4.50 -47.72	110.37 4.24 -46.45	108.94 4.06 -46.80	107.88 3.97 -46.39	108.38 3.90 -47.92	117.32 4.95 -43.62	133.82 5.25 -57.69	129.27 5.12 -56.75	123.04 5.03 -50.02	114.23 4.41 -49.30	107.72 3.96 -47.14	102.86 3.78 -42.70	102.28 3.49 -42.52
BOWLINE___2 23595	86.64 3.71 -26.72	78.93 3.59 -19.24	75.37 3.65 -15.56	75.06 3.60 -15.31	76.90 3.60 -17.08	88.69 3.66 -28.64	117.15 4.49 -51.96	143.50 4.63 -77.85	122.90 4.99 -51.43	120.41 5.06 -47.02	117.25 5.11 -43.08	114.87 4.63 -47.72	110.49 4.35 -46.45	109.06 4.18 -46.80	108.00 4.08 -46.39	108.50 4.02 -47.93	117.46 5.09 -43.62	133.96 5.38 -57.69	129.35 5.19 -56.76	123.18 5.16 -50.03	114.36 4.54 -49.31	107.78 4.02 -47.14	102.92 3.84 -42.70	102.40 3.60 -42.52
BRADY___115KV_TB2 356060	55.65 -0.56 0.00	55.59 -0.50 0.00	55.59 -0.56 0.00	55.71 -0.45 0.00	55.65 -0.56 0.00	55.65 -0.73 0.00	58.27 -2.43 0.00	58.88 -2.14 0.00	64.23 -2.26 0.00	66.01 -2.32 0.00	66.78 -2.28 0.00	60.40 -2.13 0.00	58.79 -0.90 0.00	57.38 -0.70 0.00	56.78 -0.75 0.00	55.88 -0.68 0.00	66.27 -2.47 0.00	68.26 -2.62 0.00	64.77 -2.63 0.00	65.47 -2.52 0.00	58.33 -2.18 0.00	55.65 -0.96 0.00	55.82 -0.56 0.00	55.71 -0.56 0.00
BRANSCOMB___SOLAR 323811	94.52 3.43 -34.88	84.58 3.37 -25.12	79.90 3.43 -20.32	79.57 3.43 -19.98	82.00 3.49 -22.30	97.38 3.61 -37.39	132.77 4.25 -67.83	166.96 4.33 -101.61	137.96 4.85 -66.62	133.92 5.06 -60.53	128.04 5.11 -53.87	127.66 4.56 -60.58	122.79 4.35 -58.75	121.41 4.18 -59.15	120.24 4.14 -58.57	121.28 4.13 -60.59	128.60 5.16 -54.69	149.05 5.46 -72.70	144.57 5.12 -72.06	135.70 5.16 -62.55	127.60 4.48 -62.61	120.74 4.13 -59.99	114.73 3.95 -54.40	114.91 3.66 -54.98
BRENTWOD_69_KV_W. BRTWOOD 56703	97.42 6.18 -35.02	89.11 6.11 -26.90	78.32 6.12 -16.04	78.00 6.06 -15.77	89.04 6.13 -26.71	112.69 6.15 -50.16	148.22 7.22 -80.30	152.04 7.44 -83.58	150.88 8.11 -76.28	147.82 8.06 -71.42	148.94 8.08 -71.80	150.40 7.32 -80.57	148.55 6.80 -82.07	150.20 6.62 -85.50	150.19 6.56 -86.10	148.64 6.39 -85.69	152.01 8.18 -75.08	155.84 8.51 -76.45	154.77 8.22 -79.15	153.53 8.16 -77.38	150.93 7.20 -83.22	148.52 6.51 -85.39	139.07 6.26 -76.42	109.90 6.08 -47.55



BRISTLHL_115KV_TB1 79998	57.07 -1.35 -2.21	56.22 -1.46 -1.59	56.04 -1.40 -1.29	55.96 -1.46 -1.26	56.27 -1.35 -1.41	57.45 -1.30 -2.37	64.20 -0.79 -4.29	66.71 -0.73 -6.43	69.84 -0.86 -4.21	71.34 -0.82 -3.83	71.64 -0.83 -3.41	65.60 -0.75 -3.83	62.51 -0.90 -3.72	60.95 -0.87 -3.74	60.37 -0.86 -3.71	59.49 -0.90 -3.83	71.46 -0.76 -3.47	74.79 -0.71 -4.61	71.29 -0.67 -4.57	71.14 -0.82 -3.97	63.70 -0.79 -3.97	59.52 -0.91 -3.81	58.71 -1.13 -3.45	58.58 -1.18 -3.49
BROOKHAVEN___DRP 24191	97.08 5.85 -35.02	88.94 5.95 -26.90	78.32 6.12 -16.04	78.05 6.12 -15.77	88.88 5.96 -26.71	112.52 5.98 -50.16	148.28 7.28 -80.30	152.35 7.75 -83.58	150.48 7.71 -76.28	146.73 6.97 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.72 5.97 -82.07	149.45 5.87 -85.50	149.44 5.81 -86.10	147.96 5.71 -85.69	151.11 7.29 -75.08	154.92 7.58 -76.45	153.89 7.35 -79.15	152.71 7.34 -77.38	150.20 6.47 -83.22	147.78 5.77 -85.39	138.33 5.53 -76.42	109.23 5.40 -47.55
BROOKLYN_NAVY_YARD 23515	88.42 4.66 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.47 4.57 -29.52	119.72 5.47 -53.56	146.99 5.73 -80.24	139.17 6.45 -66.23	145.24 6.63 -70.28	162.35 6.70 -86.59	162.40 6.06 -93.82	162.44 5.73 -97.02	162.40 5.46 -98.86	162.41 5.35 -99.53	162.41 5.26 -100.59	177.87 6.60 -102.52	182.90 6.95 -105.06	167.44 6.74 -93.31	174.66 6.67 -100.00	161.48 5.87 -95.10	149.56 5.27 -87.68	139.23 5.13 -77.71	117.49 4.84 -56.37
BROOKLYN___ARMY_DRP 323595	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
BROOKVLE_69_KV_TB1 55790	96.97 5.73 -35.02	88.55 5.55 -26.90	77.70 5.50 -16.04	77.43 5.50 -15.77	88.43 5.51 -26.71	112.19 5.64 -50.16	147.74 6.74 -80.30	151.62 7.02 -83.58	150.48 7.71 -76.28	147.68 7.93 -71.42	148.94 8.08 -71.80	150.40 7.32 -80.57	148.55 6.80 -82.07	150.20 6.62 -85.50	150.13 6.50 -86.10	148.58 6.33 -85.69	151.80 7.97 -75.08	155.77 8.44 -76.45	154.63 8.09 -79.15	153.39 8.02 -77.38	150.75 7.02 -83.22	148.35 6.34 -85.39	138.90 6.09 -76.42	109.62 5.80 -47.55
BROOME_2_LFGE 323671	65.21 0.00 -9.00	62.41 -0.17 -6.48	61.34 -0.06 -5.24	61.26 -0.06 -5.16	62.02 0.06 -5.76	66.32 0.28 -9.65	79.17 0.97 -17.51	88.10 0.85 -26.23	84.42 0.73 -17.20	84.71 0.75 -15.62	83.66 0.69 -13.91	78.78 0.63 -15.64	75.38 0.54 -15.16	73.70 0.35 -15.27	72.93 0.29 -15.12	72.43 0.23 -15.64	83.68 0.83 -14.10	90.49 0.85 -18.75	86.92 0.94 -18.58	84.87 0.75 -16.13	77.20 0.54 -16.15	72.43 0.34 -15.47	70.41 0.00 -14.03	70.45 0.00 -14.18
BROOME___LFGE 323600	65.21 0.00 -9.00	62.41 -0.17 -6.48	61.34 -0.06 -5.24	61.26 -0.06 -5.16	62.02 0.06 -5.76	66.32 0.28 -9.65	79.17 0.97 -17.51	88.10 0.85 -26.23	84.42 0.73 -17.20	84.71 0.75 -15.62	83.66 0.69 -13.91	78.78 0.63 -15.64	75.38 0.54 -15.16	73.70 0.35 -15.27	72.93 0.29 -15.12	72.43 0.23 -15.64	83.68 0.83 -14.10	90.49 0.85 -18.75	86.92 0.94 -18.58	84.87 0.75 -16.13	77.20 0.54 -16.15	72.43 0.34 -15.47	70.41 0.00 -14.03	70.45 0.00 -14.18
BROWNFLS_115KV_TB_3_5 80003	55.95 -1.01 -0.75	55.57 -1.07 -0.54	55.47 -1.12 -0.44	55.58 -1.01 -0.43	55.68 -1.01 -0.48	56.01 -1.18 -0.81	60.47 -1.70 -1.47	61.81 -1.40 -2.20	66.47 -1.46 -1.44	68.07 -1.57 -1.31	68.57 -1.66 -1.17	62.39 -1.44 -1.31	60.18 -0.78 -1.27	58.66 -0.70 -1.28	58.10 -0.69 -1.27	57.25 -0.62 -1.31	68.35 -1.58 -1.19	70.90 -1.56 -1.58	67.41 -1.55 -1.56	67.71 -1.63 -1.36	60.41 -1.45 -1.36	57.07 -0.85 -1.30	56.94 -0.62 -1.18	56.73 -0.73 -1.19
BROWNSV1_27_KV_LOAD 356125	88.87 5.12 -27.54	80.81 4.88 -19.83	77.09 4.89 -16.04	76.77 4.83 -15.78	78.66 4.83 -17.61	90.87 4.96 -29.52	120.21 5.95 -53.56	147.42 6.16 -80.24	139.63 6.91 -66.23	145.72 7.11 -70.28	162.84 7.18 -86.59	162.84 6.50 -93.82	162.73 6.03 -97.02	162.80 5.87 -98.86	162.86 5.81 -99.53	162.81 5.66 -100.59	178.48 7.22 -102.51	183.51 7.58 -105.04	167.97 7.28 -93.29	175.18 7.21 -99.99	161.90 6.29 -95.09	150.01 5.72 -87.68	139.62 5.53 -77.71	117.88 5.23 -56.37
BURROWS___LYONSDAL 23803	58.40 1.18 -1.01	57.88 1.07 -0.73	57.75 1.01 -0.59	57.86 1.12 -0.58	57.98 1.12 -0.65	58.76 1.30 -1.08	64.79 2.12 -1.96	66.27 2.32 -2.94	70.94 2.53 -1.93	72.61 2.53 -1.75	72.90 2.28 -1.56	66.59 2.31 -1.75	63.59 2.21 -1.70	61.88 2.09 -1.71	61.29 2.07 -1.69	60.35 2.04 -1.75	72.94 2.61 -1.58	75.76 2.76 -2.11	72.18 2.70 -2.09	72.38 2.58 -1.81	64.56 2.24 -1.81	60.28 1.92 -1.74	59.71 1.75 -1.58	59.44 1.58 -1.59
CAITHNESS_CC_1 323624	96.97 5.74 -35.02	88.77 5.78 -26.90	78.09 5.89 -16.04	77.83 5.89 -15.77	88.71 5.79 -26.71	112.47 5.92 -50.16	148.04 7.04 -80.30	151.98 7.38 -83.58	150.35 7.58 -76.28	146.73 6.97 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.84 6.09 -82.07	149.45 5.86 -85.50	149.44 5.81 -86.10	147.96 5.71 -85.69	151.12 7.28 -75.09	154.86 7.51 -76.46	153.84 7.28 -79.16	152.66 7.28 -77.39	150.15 6.41 -83.23	147.79 5.78 -85.39	138.34 5.53 -76.42	109.23 5.40 -47.55
CALPINE BETH_PAGE_GT4 24209	96.91 5.68 -35.02	88.49 5.50 -26.90	77.64 5.45 -16.04	77.38 5.45 -15.77	88.37 5.45 -26.71	112.13 5.58 -50.16	147.62 6.62 -80.30	151.43 6.83 -83.58	150.28 7.51 -76.28	147.41 7.65 -71.42	148.66 7.80 -71.80	150.15 7.06 -80.57	148.32 6.57 -82.07	149.91 6.33 -85.50	149.90 6.27 -86.10	148.41 6.17 -85.69	151.59 7.77 -75.08	155.56 8.22 -76.45	154.43 7.89 -79.15	153.19 7.82 -77.38	150.57 6.84 -83.22	148.18 6.17 -85.39	138.78 5.98 -76.42	109.51 5.68 -47.55
CALPINE_BETH_PAGE_GT_4 323586	96.91 5.68 -35.02	88.50 5.50 -26.90	77.64 5.45 -16.04	77.38 5.45 -15.77	88.37 5.45 -26.71	112.19 5.64 -50.16	147.62 6.62 -80.30	151.43 6.83 -83.58	150.28 7.51 -76.28	147.41 7.65 -71.42	148.66 7.80 -71.80	150.15 7.06 -80.57	148.43 6.68 -82.07	149.97 6.39 -85.50	149.90 6.27 -86.10	148.42 6.17 -85.69	151.60 7.77 -75.09	155.57 8.22 -76.46	154.44 7.88 -79.16	153.20 7.82 -77.39	150.58 6.84 -83.23	148.18 6.17 -85.39	138.78 5.97 -76.43	109.51 5.68 -47.55
CALPINE_BP_GT1 23823	96.91 5.68 -35.02	88.50 5.50 -26.90	77.64 5.45 -16.04	77.38 5.45 -15.77	88.37 5.45 -26.71	112.19 5.64 -50.16	147.62 6.62 -80.30	151.43 6.83 -83.58	150.28 7.51 -76.28	147.41 7.65 -71.42	148.66 7.80 -71.80	150.15 7.06 -80.57	148.43 6.68 -82.07	149.97 6.39 -85.50	149.90 6.27 -86.10	148.42 6.17 -85.69	151.60 7.77 -75.09	155.57 8.22 -76.46	154.44 7.88 -79.16	153.20 7.82 -77.39	150.58 6.84 -83.23	148.18 6.17 -85.39	138.78 5.97 -76.43	109.51 5.68 -47.55
CALSPAN___DRP 24200	56.90 -3.77 -4.45	55.31 -3.98 -3.21	55.10 -3.65 -2.59	54.94 -3.76 -2.55	55.52 -3.54 -2.85	57.77 -3.38 -4.77	67.29 -2.06 -8.66	70.69 -3.29 -12.97	70.67 -4.32 -8.50	71.75 -4.31 -7.72	71.51 -4.42 -6.87	66.25 -4.00 -7.73	62.59 -4.60 -7.50	61.21 -4.41 -7.55	60.63 -4.37 -7.47	59.82 -4.47 -7.73	71.60 -4.12 -6.98	75.84 -4.32 -9.28	72.61 -3.98 -9.19	71.75 -4.22 -7.98	64.38 -4.11 -7.99	60.08 -4.19 -7.66	58.70 -4.62 -6.94	59.12 -4.16 -7.02



CALVERTON___SOLAR 323806	97.25 6.02 -35.02	89.17 6.17 -26.90	78.54 6.34 -16.04	78.27 6.34 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.59 7.59 -80.30	152.72 8.12 -83.58	150.74 7.97 -76.28	146.80 7.04 -71.42	148.18 7.32 -71.80	149.65 6.56 -80.57	147.90 6.15 -82.07	149.57 5.98 -85.50	149.55 5.93 -86.10	148.08 5.83 -85.69	151.26 7.43 -75.09	155.15 7.80 -76.46	154.11 7.55 -79.16	152.93 7.55 -77.39	150.34 6.60 -83.23	147.90 5.89 -85.39	138.45 5.64 -76.42	109.34 5.52 -47.55
CANDIGU_WT_PWR 323617	60.77 -1.57 -6.13	58.71 -1.80 -4.42	58.21 -1.51 -3.57	58.10 -1.57 -3.51	58.78 -1.35 -3.92	62.05 -0.90 -6.57	72.62 0.00 -11.92	78.33 -0.55 -17.86	77.07 -1.13 -11.71	77.81 -1.16 -10.64	77.22 -1.31 -9.47	71.98 -1.19 -10.65	68.76 -1.26 -10.33	66.85 -1.63 -10.40	66.04 -1.78 -10.30	65.29 -1.92 -10.65	76.98 -1.37 -9.60	82.30 -1.35 -12.77	78.90 -1.15 -12.65	77.54 -1.43 -10.98	69.93 -1.57 -10.99	65.34 -1.81 -10.53	63.85 -2.09 -9.55	64.01 -1.91 -9.65
CARR STREET_E_SYR 24060	57.56 -1.18 -2.53	56.68 -1.23 -1.82	56.45 -1.18 -1.47	56.37 -1.24 -1.45	56.71 -1.12 -1.62	58.14 -0.96 -2.71	65.13 -0.49 -4.92	67.96 -0.42 -7.37	70.72 -0.60 -4.83	72.11 -0.62 -4.39	72.34 -0.62 -3.91	66.35 -0.56 -4.39	63.41 -0.54 -4.26	61.73 -0.64 -4.29	61.03 -0.75 -4.25	60.16 -0.79 -4.39	72.17 -0.55 -3.98	75.60 -0.57 -5.29	72.17 -0.47 -5.24	71.92 -0.61 -4.55	64.40 -0.66 -4.55	60.18 -0.79 -4.36	59.33 -1.01 -3.96	59.20 -1.07 -4.00
CARTHAGE___PAPER 23857	57.41 -0.11 -1.31	56.76 -0.28 -0.95	56.59 -0.33 -0.76	56.68 -0.22 -0.75	56.83 -0.22 -0.84	57.73 -0.06 -1.41	63.92 0.67 -2.55	65.81 0.97 -3.82	70.05 1.06 -2.51	71.64 1.03 -2.28	71.98 0.90 -2.03	65.68 0.87 -2.28	62.67 0.77 -2.21	61.12 0.81 -2.23	60.65 0.92 -2.20	59.80 0.96 -2.28	71.98 1.17 -2.06	74.97 1.34 -2.74	71.46 1.35 -2.72	71.50 1.15 -2.36	63.84 0.97 -2.36	59.78 0.90 -2.26	59.11 0.68 -2.05	58.79 0.45 -2.07
CASSADAGA_WT_PWR 323784	58.77 -2.19 -4.75	56.93 -2.58 -3.42	56.79 -2.13 -2.77	56.69 -2.19 -2.72	57.34 -1.91 -3.04	60.12 -1.35 -5.09	69.64 -0.30 -9.24	73.57 -1.28 -13.84	73.37 -2.19 -9.08	74.53 -2.05 -8.25	74.26 -2.14 -7.34	68.53 -2.25 -8.25	65.24 -2.45 -8.00	62.94 -3.19 -8.06	61.94 -3.57 -7.98	61.19 -3.62 -8.25	73.10 -3.09 -7.45	78.09 -2.69 -9.90	75.05 -2.16 -9.81	74.20 -2.31 -8.52	66.50 -2.54 -8.53	61.96 -2.83 -8.17	60.41 -3.38 -7.41	60.89 -2.87 -7.49
CE_DUNWOOD___DRP 24194	87.89 4.22 -27.46	79.90 4.04 -19.77	76.25 4.10 -15.99	75.93 4.04 -15.73	77.82 4.05 -17.56	89.93 4.12 -29.43	119.07 4.98 -53.40	146.20 5.19 -80.00	125.24 5.72 -53.03	122.83 5.88 -48.62	120.13 5.94 -45.13	117.56 5.38 -49.66	113.06 4.95 -48.42	111.70 4.82 -48.80	110.64 4.72 -48.40	111.16 4.64 -49.96	120.27 5.91 -45.60	137.30 6.24 -60.18	132.40 6.00 -59.01	126.27 5.92 -52.36	116.97 5.20 -51.26	110.23 4.64 -48.98	105.18 4.45 -44.34	104.35 4.22 -43.85
CE_MILLWOOD___DRP 24193	87.64 4.10 -27.33	79.70 3.93 -19.68	76.01 3.93 -15.92	75.75 3.93 -15.66	77.56 3.88 -17.47	89.63 3.95 -29.30	118.70 4.86 -53.15	145.64 5.00 -79.62	124.70 5.52 -52.70	122.26 5.67 -48.25	119.31 5.73 -44.52	116.85 5.19 -49.14	112.34 4.77 -47.88	110.97 4.65 -48.25	109.91 4.54 -47.84	110.43 4.47 -49.40	119.41 5.64 -45.02	136.38 6.03 -59.47	131.60 5.80 -58.40	125.37 5.71 -51.67	116.26 5.02 -50.73	109.64 4.53 -48.50	104.64 4.34 -43.92	103.90 4.05 -43.57
CE_NYC2_DRP 24202	88.77 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.53 5.79 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.07 5.43 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.38 6.94 -101.04	199.99 6.87 -125.13	171.60 6.05 -105.04	198.81 5.49 -136.71	146.91 5.24 -85.28	120.48 5.01 -59.20
CE_NYC_DRP 24195	88.42 4.67 -27.54	80.41 4.49 -19.83	76.64 4.44 -16.04	76.32 4.38 -15.78	78.21 4.38 -17.61	90.42 4.51 -29.52	119.72 5.46 -53.56	146.93 5.67 -80.24	138.49 6.38 -65.62	144.16 6.56 -69.27	160.34 6.63 -84.65	160.27 6.00 -91.75	159.98 5.55 -94.74	159.99 5.40 -96.51	160.01 5.35 -97.13	159.98 5.20 -98.21	175.19 6.60 -99.84	180.78 6.95 -102.95	165.76 6.67 -91.69	172.34 6.60 -97.76	159.30 5.75 -93.04	147.69 5.21 -85.87	137.55 5.02 -76.15	116.79 4.73 -55.79
CHAFFEE___LFGE 323603	56.99 -3.82 -4.60	55.37 -4.04 -3.32	55.13 -3.71 -2.68	55.03 -3.76 -2.64	55.62 -3.54 -2.94	58.38 -2.93 -4.93	67.52 -2.13 -8.95	71.13 -3.30 -13.41	70.96 -4.32 -8.79	72.09 -4.24 -7.99	71.75 -4.42 -7.11	66.58 -3.94 -7.99	63.74 -3.70 -7.75	61.82 -4.07 -7.81	60.94 -4.32 -7.73	60.15 -4.41 -8.00	71.91 -4.06 -7.22	76.23 -4.25 -9.59	73.07 -3.84 -9.51	72.09 -4.15 -8.25	64.72 -4.05 -8.26	60.34 -4.19 -7.92	59.00 -4.57 -7.18	59.36 -4.16 -7.26
CHATEAUG_35_KV_LOAD 355732	56.61 0.39 0.00	56.54 0.45 0.00	56.61 0.45 0.00	56.61 0.45 0.00	56.66 0.45 0.00	56.78 0.39 0.00	60.15 -0.55 0.00	60.83 -0.18 0.00	66.22 -0.27 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.80 0.12 0.00	58.14 0.06 0.00	57.64 0.12 0.00	56.67 0.11 0.00	68.06 -0.69 0.00	69.89 -0.99 0.00	65.98 -1.42 0.00	66.36 -1.63 0.00	59.06 -1.45 0.00	55.48 -1.13 0.00	55.65 -0.73 0.00	55.43 -0.84 0.00
CHATEAUG_WT_PWR 323614	56.55 0.34 0.00	56.49 0.40 0.00	56.50 0.34 0.00	56.55 0.40 0.00	56.61 0.40 0.00	56.61 0.23 0.00	60.15 -0.55 0.00	60.77 -0.24 0.00	66.16 -0.33 0.00	68.06 -0.27 0.00	68.85 -0.21 0.00	62.33 -0.19 0.00	59.39 -0.30 0.00	57.96 -0.12 0.00	57.58 0.06 0.00	56.62 0.06 0.00	67.99 -0.75 0.00	69.82 -1.06 0.00	65.91 -1.48 0.00	66.29 -1.70 0.00	58.94 -1.57 0.00	55.42 -1.19 0.00	55.54 -0.84 0.00	55.37 -0.90 0.00
CHAT_HIGH_FALL_HYD 323578	56.61 0.39 0.00	56.54 0.45 0.00	56.61 0.45 0.00	56.61 0.45 0.00	56.66 0.45 0.00	56.78 0.39 0.00	60.15 -0.55 0.00	60.83 -0.18 0.00	66.22 -0.27 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.80 0.12 0.00	58.14 0.06 0.00	57.64 0.12 0.00	56.67 0.11 0.00	68.06 -0.69 0.00	69.89 -0.99 0.00	65.98 -1.42 0.00	66.36 -1.63 0.00	59.06 -1.45 0.00	55.48 -1.13 0.00	55.65 -0.73 0.00	55.43 -0.84 0.00
CHAUTAUQUA___LFGE 323629	57.76 -3.09 -4.64	56.07 -3.36 -3.34	55.88 -2.98 -2.70	55.78 -3.03 -2.66	56.37 -2.81 -2.96	59.10 -2.26 -4.97	68.38 -1.34 -9.01	72.08 -2.44 -13.51	71.88 -3.46 -8.85	73.03 -3.35 -8.05	72.70 -3.52 -7.16	67.32 -3.25 -8.05	64.33 -3.17 -7.81	62.28 -3.66 -7.86	61.40 -3.91 -7.78	60.65 -3.96 -8.05	72.51 -3.50 -7.27	77.08 -3.47 -9.66	73.87 -3.10 -9.58	72.97 -3.33 -8.31	65.44 -3.39 -8.32	61.02 -3.57 -7.97	59.67 -3.95 -7.23	60.04 -3.54 -7.31
CHERRYST_13_KV_LD 356241	88.59 4.83 -27.54	80.52 4.60 -19.83	76.80 4.60 -16.04	76.48 4.55 -15.78	78.37 4.55 -17.61	90.59 4.68 -29.52	119.90 5.65 -53.56	147.11 5.86 -80.24	138.75 6.65 -65.62	144.37 6.77 -69.27	160.62 6.91 -84.65	160.52 6.25 -91.75	160.22 5.79 -94.74	160.22 5.63 -96.51	160.18 5.52 -97.13	160.20 5.43 -98.21	175.46 6.87 -99.84	181.06 7.23 -102.95	165.96 6.87 -91.69	172.55 6.80 -97.76	159.54 5.99 -93.04	147.86 5.38 -85.87	137.72 5.19 -76.15	116.96 4.90 -55.79



CHESTROR_138KV_BK263 355645	85.12 3.26 -25.65	77.70 3.14 -18.47	74.30 3.20 -14.94	73.99 3.14 -14.69	75.76 3.15 -16.40	87.03 3.16 -27.49	114.58 4.01 -49.87	139.82 4.09 -74.71	119.93 4.45 -48.98	117.35 4.51 -44.51	113.58 4.56 -39.96	111.19 4.13 -44.54	106.64 3.76 -43.20	105.23 3.66 -43.49	104.22 3.62 -43.07	104.68 3.56 -44.55	113.57 4.61 -40.21	129.62 4.89 -53.84	125.41 4.72 -53.29	119.01 4.62 -46.40	110.61 4.05 -46.04	104.42 3.62 -44.18	99.89 3.44 -40.07	99.97 3.21 -40.49
CH_MIDHUDSON___DRP 24192	88.85 4.67 -27.97	80.72 4.49 -20.14	76.94 4.49 -16.29	76.62 4.44 -16.03	78.48 4.38 -17.88	90.88 4.51 -29.98	120.86 5.77 -54.40	148.31 5.80 -81.49	126.37 6.45 -53.43	123.37 6.49 -48.55	118.76 6.49 -43.20	116.98 5.88 -48.58	112.17 5.37 -47.12	110.74 5.23 -47.43	109.68 5.18 -46.97	110.25 5.09 -48.59	118.94 6.32 -43.86	136.00 6.81 -58.31	131.73 6.54 -57.79	124.62 6.46 -50.17	116.42 5.69 -50.22	109.45 5.04 -47.79	104.46 4.74 -43.34	104.57 4.50 -43.80
CH_MISC_IPPS 23765	88.56 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.62 4.51 -29.73	120.33 5.70 -53.93	147.55 5.73 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.82 -48.17	111.83 5.43 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.06 6.19 -43.12	134.87 6.66 -57.33	130.62 6.41 -56.82	123.63 6.32 -49.32	115.44 5.56 -49.37	108.84 4.92 -47.30	103.91 4.62 -42.90	104.01 4.39 -43.35
CH_RES_BVR_FALLS 23983	55.65 -0.56 0.00	55.58 -0.51 0.00	55.59 -0.56 0.00	55.59 -0.56 0.00	55.59 -0.62 0.00	55.65 -0.73 0.00	59.42 -1.28 0.00	59.80 -1.22 0.00	65.16 -1.33 0.00	66.97 -1.37 0.00	67.75 -1.31 0.00	61.33 -1.19 0.00	58.55 -1.14 0.00	57.15 -0.93 0.00	56.67 -0.86 0.00	55.77 -0.79 0.00	67.37 -1.37 0.00	69.39 -1.49 0.00	65.91 -1.48 0.00	66.49 -1.50 0.00	59.24 -1.27 0.00	55.65 -0.96 0.00	55.59 -0.79 0.00	55.54 -0.73 0.00
CH_RES_NIAGARA 23895	55.04 -5.29 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	56.39 -4.40 -4.41	64.75 -3.94 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.54 -6.12 -7.14	60.94 -5.67 -6.92	59.01 -6.04 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.74 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.54 -6.26 -6.41	56.90 -5.85 -6.48
CH_RES_SYRACUSE 23985	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.20 -0.56 -1.61	57.50 -0.51 -1.79	59.11 -0.28 -3.01	66.40 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.41 0.21 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.59 0.18 -4.72	62.83 0.00 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.28 -4.42	77.12 0.36 -5.88	73.63 0.41 -5.83	73.32 0.41 -5.06	65.64 0.27 -5.07	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45
CLINTON_WT_PWR 323605	56.55 0.34 0.00	56.49 0.40 0.00	56.50 0.34 0.00	56.55 0.40 0.00	56.61 0.40 0.00	56.61 0.23 0.00	60.15 -0.55 0.00	60.77 -0.24 0.00	66.16 -0.33 0.00	68.06 -0.27 0.00	68.85 -0.21 0.00	62.33 -0.19 0.00	59.39 -0.30 0.00	57.96 -0.12 0.00	57.58 0.06 0.00	56.62 0.06 0.00	67.99 -0.75 0.00	69.82 -1.06 0.00	65.91 -1.48 0.00	66.29 -1.70 0.00	58.94 -1.57 0.00	55.42 -1.19 0.00	55.54 -0.84 0.00	55.37 -0.90 0.00
CLINTON___LFGE 323618	57.28 1.07 0.00	57.15 1.06 0.00	57.22 1.06 0.00	57.28 1.12 0.00	57.34 1.12 0.00	57.40 1.02 0.00	61.07 0.37 0.00	61.81 0.79 0.00	67.29 0.80 0.00	69.22 0.89 0.00	70.10 1.04 0.00	63.40 0.87 0.00	60.40 0.72 0.00	58.95 0.87 0.00	58.56 1.04 0.00	57.58 1.02 0.00	69.16 0.41 0.00	71.03 0.14 0.00	67.06 -0.34 0.00	67.38 -0.61 0.00	59.85 -0.66 0.00	56.22 -0.39 0.00	56.33 -0.06 0.00	56.05 -0.22 0.00
COBBLENY_34_KV_TB1 80064	56.99 -3.82 -4.60	55.37 -4.04 -3.32	55.13 -3.71 -2.68	55.03 -3.76 -2.64	55.61 -3.54 -2.94	57.93 -3.38 -4.93	67.53 -2.12 -8.95	71.13 -3.29 -13.41	70.96 -4.32 -8.79	72.09 -4.24 -7.99	71.75 -4.42 -7.11	66.58 -3.94 -7.99	62.90 -4.54 -7.75	61.53 -4.36 -7.81	60.94 -4.31 -7.73	60.15 -4.41 -8.00	71.91 -4.06 -7.22	76.22 -4.25 -9.59	72.99 -3.91 -9.51	72.09 -4.15 -8.25	64.72 -4.05 -8.26	60.34 -4.19 -7.92	58.94 -4.62 -7.18	59.36 -4.16 -7.26
COFFEEN___115KV_TB3 355620	58.31 0.62 -1.48	57.50 0.34 -1.07	57.30 0.28 -0.86	57.46 0.45 -0.85	57.61 0.45 -0.95	58.60 0.62 -1.59	65.59 2.00 -2.89	67.60 2.26 -4.33	71.78 2.46 -2.84	73.30 2.39 -2.58	73.70 2.35 -2.29	67.23 2.13 -2.58	64.16 1.97 -2.50	62.40 1.80 -2.52	61.92 1.90 -2.49	61.12 1.98 -2.58	73.83 2.75 -2.33	77.04 3.05 -3.10	73.44 2.97 -3.07	73.38 2.72 -2.67	65.54 2.36 -2.67	61.16 1.98 -2.56	60.34 1.64 -2.32	60.03 1.41 -2.35
COLDSPRG_115KV_BK1 355956	58.87 -2.25 -4.90	56.99 -2.64 -3.53	56.82 -2.19 -2.86	56.72 -2.25 -2.81	57.38 -1.97 -3.13	59.78 -1.86 -5.26	69.99 -0.24 -9.53	74.14 -1.16 -14.28	73.86 -1.99 -9.36	75.07 -1.78 -8.51	74.77 -1.86 -7.57	69.22 -1.81 -8.52	65.26 -2.69 -8.26	63.61 -2.79 -8.31	62.88 -2.88 -8.23	62.08 -3.00 -8.52	74.09 -2.34 -7.68	79.04 -2.06 -10.21	75.83 -1.68 -10.12	74.81 -1.97 -8.79	67.13 -2.18 -8.80	62.55 -2.49 -8.43	60.93 -3.10 -7.64	61.35 -2.64 -7.73
COLONIE_LFGE___ 323577	93.60 2.92 -34.47	83.83 2.91 -24.82	79.21 2.97 -20.08	78.88 2.97 -19.75	81.28 3.03 -22.04	96.43 3.10 -36.95	131.12 3.40 -67.03	164.73 3.29 -100.42	136.11 3.79 -65.84	132.11 3.96 -59.82	126.23 3.93 -53.24	125.95 3.56 -59.86	121.20 3.46 -58.06	119.84 3.31 -58.45	118.69 3.28 -57.88	119.61 3.17 -59.88	126.78 3.99 -54.04	146.84 4.11 -71.84	142.51 3.91 -71.21	133.74 3.94 -61.81	125.83 3.45 -61.87	119.07 3.17 -59.28	113.30 3.16 -53.76	113.58 2.98 -54.33
COOPERNY_115KV_TB1 80082	79.61 2.47 -20.92	73.52 2.36 -15.07	70.76 2.41 -12.19	70.56 2.41 -11.99	72.01 2.42 -13.38	81.24 2.42 -22.43	104.54 3.16 -40.69	125.21 3.23 -60.96	109.98 3.52 -39.97	108.20 3.55 -36.31	105.12 3.59 -32.47	102.11 3.25 -36.34	97.85 2.92 -35.24	96.41 2.85 -35.48	95.48 2.82 -35.14	95.68 2.77 -36.35	105.13 3.57 -32.81	118.49 3.83 -43.78	114.46 3.71 -43.36	109.29 3.60 -37.70	101.28 3.21 -37.56	95.44 2.83 -36.00	91.74 2.71 -32.65	91.74 2.48 -32.99
COPENHAGEN_WT_PWR 323753	57.86 0.11 -1.53	57.08 -0.11 -1.10	56.88 -0.17 -0.89	57.03 0.00 -0.88	57.13 -0.06 -0.98	58.19 0.17 -1.64	64.89 1.21 -2.98	66.94 1.46 -4.46	71.00 1.59 -2.92	72.49 1.50 -2.66	72.88 1.45 -2.36	66.55 1.37 -2.66	63.52 1.26 -2.58	61.84 1.16 -2.60	61.31 1.21 -2.57	60.46 1.24 -2.66	72.94 1.78 -2.41	76.07 1.98 -3.20	72.52 1.96 -3.17	72.44 1.70 -2.75	64.72 1.45 -2.76	60.50 1.24 -2.64	59.73 0.96 -2.39	59.42 0.73 -2.42
CORNELL_____ 23752	63.65 1.12 -6.31	61.59 0.95 -4.54	60.84 1.01 -3.68	60.78 1.01 -3.61	61.37 1.12 -4.03	64.44 1.30 -6.76	75.40 2.43 -12.27	81.96 2.56 -18.38	81.13 2.59 -12.05	81.95 2.67 -10.95	81.36 2.56 -9.74	75.73 2.25 -10.96	72.16 1.85 -10.63	70.58 1.80 -10.70	69.91 1.78 -10.60	69.22 1.70 -10.96	81.20 2.68 -9.77	86.85 2.98 -12.99	83.17 2.90 -12.87	81.88 2.72 -11.17	73.93 2.24 -11.18	69.15 1.81 -10.72	67.51 1.41 -9.72	67.39 1.29 -9.82



CORONAAV_69_KV_TB1 355595	96.74 5.51 -35.02	88.32 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.20 5.28 -26.71	111.96 5.41 -50.16	147.49 6.49 -80.30	151.25 6.65 -83.58	150.15 7.38 -76.28	147.27 7.52 -71.42	148.53 7.67 -71.80	150.03 6.94 -80.57	148.20 6.45 -82.07	149.85 6.27 -85.50	149.84 6.21 -86.10	148.30 6.05 -85.69	151.46 7.63 -75.08	155.42 8.08 -76.45	154.30 7.75 -79.15	153.05 7.68 -77.38	150.45 6.72 -83.22	148.07 6.06 -85.39	138.67 5.86 -76.42	109.40 5.57 -47.55
CORTLAND_115KV_TB3 80093	61.91 0.62 -5.08	60.25 0.50 -3.66	59.67 0.56 -2.96	59.63 0.56 -2.91	60.08 0.62 -3.25	62.61 0.79 -5.44	72.27 1.70 -9.87	77.57 1.77 -14.79	77.91 1.73 -9.70	78.92 1.78 -8.81	78.63 1.73 -7.84	72.90 1.56 -8.82	69.49 1.25 -8.55	67.85 1.16 -8.61	67.20 1.15 -8.52	66.51 1.13 -8.82	78.52 1.86 -7.92	83.40 1.98 -10.53	79.78 1.95 -10.43	78.81 1.77 -9.06	71.03 1.45 -9.06	66.44 1.13 -8.69	65.05 0.79 -7.88	64.97 0.73 -7.96
COXSACKIE___GT 23611	92.65 4.22 -32.22	83.38 4.09 -23.20	79.02 4.10 -18.77	78.66 4.05 -18.46	80.91 4.10 -20.60	95.20 4.28 -34.53	128.02 4.67 -62.65	159.14 4.27 -93.86	132.94 4.92 -61.53	128.96 4.71 -55.91	123.30 4.49 -49.76	122.41 3.94 -55.95	117.65 3.70 -54.26	116.37 3.66 -54.63	115.36 3.74 -54.10	116.48 3.96 -55.97	124.41 5.22 -50.44	143.62 5.67 -67.06	139.18 5.32 -66.46	130.99 5.31 -57.69	122.80 4.54 -57.75	116.03 4.08 -55.33	110.45 3.89 -50.18	111.15 4.16 -50.71
CPV_VALLEY___CC1 323721	83.01 2.81 -23.99	76.06 2.69 -17.28	72.88 2.75 -13.98	72.60 2.70 -13.75	74.25 2.70 -15.34	84.87 2.76 -25.72	110.82 3.46 -46.66	134.46 3.54 -69.90	116.24 3.92 -45.83	113.94 3.96 -41.64	110.33 4.00 -37.27	107.82 3.62 -41.67	103.50 3.40 -40.41	102.02 3.25 -40.69	100.98 3.16 -40.29	101.35 3.11 -41.68	110.40 3.99 -37.66	125.44 4.25 -50.30	121.32 4.11 -49.81	115.32 4.01 -43.32	107.14 3.51 -43.12	101.10 3.17 -41.31	96.84 2.99 -37.47	96.89 2.76 -37.86
CPV_VALLEY___CC2 323722	83.01 2.81 -23.99	76.06 2.69 -17.28	72.88 2.75 -13.98	72.60 2.70 -13.75	74.25 2.70 -15.34	84.87 2.76 -25.72	110.82 3.46 -46.66	134.46 3.54 -69.90	116.24 3.92 -45.83	113.94 3.96 -41.64	110.33 4.00 -37.27	107.82 3.62 -41.67	103.50 3.40 -40.41	102.02 3.25 -40.69	100.98 3.16 -40.29	101.35 3.11 -41.68	110.40 3.99 -37.66	125.44 4.25 -50.30	121.32 4.11 -49.81	115.32 4.01 -43.32	107.14 3.51 -43.12	101.10 3.17 -41.31	96.84 2.99 -37.47	96.89 2.76 -37.86
CRESCENT___HYD 24018	93.60 2.92 -34.47	83.83 2.91 -24.82	79.21 2.97 -20.08	78.88 2.97 -19.75	81.28 3.03 -22.04	96.43 3.10 -36.95	131.12 3.40 -67.03	164.73 3.29 -100.42	136.11 3.79 -65.84	132.11 3.96 -59.82	126.23 3.93 -53.24	125.95 3.56 -59.86	121.20 3.46 -58.06	119.84 3.31 -58.45	118.69 3.28 -57.88	119.61 3.17 -59.88	126.78 3.99 -54.04	146.84 4.11 -71.84	142.51 3.91 -71.21	133.74 3.94 -61.81	125.83 3.45 -61.87	119.07 3.17 -59.28	113.30 3.16 -53.76	113.58 2.98 -54.33
CRICKET___VALLEY_CC1 323756	89.14 3.60 -29.32	80.80 3.59 -21.12	76.83 3.60 -17.08	76.55 3.60 -16.80	78.56 3.60 -18.75	91.48 3.66 -31.43	121.97 4.25 -57.02	150.65 4.21 -85.43	127.22 4.72 -56.01	124.08 4.85 -50.89	119.26 4.90 -45.29	117.89 4.44 -50.93	113.32 4.24 -49.39	111.87 4.06 -49.73	110.80 4.03 -49.24	111.40 3.90 -50.94	119.61 4.88 -45.98	137.11 5.11 -61.12	132.89 4.92 -60.58	125.47 4.90 -52.58	117.45 4.30 -52.64	110.95 3.90 -50.43	105.96 3.84 -45.74	106.10 3.60 -46.22
CRICKET___VALLEY_CC2 323757	89.14 3.60 -29.32	80.80 3.59 -21.12	76.83 3.60 -17.08	76.55 3.60 -16.80	78.56 3.60 -18.75	91.48 3.66 -31.43	121.97 4.25 -57.02	150.65 4.21 -85.43	127.22 4.72 -56.01	124.08 4.85 -50.89	119.26 4.90 -45.29	117.89 4.44 -50.93	113.32 4.24 -49.39	111.87 4.06 -49.73	110.80 4.03 -49.24	111.40 3.90 -50.94	119.61 4.88 -45.98	137.11 5.11 -61.12	132.89 4.92 -60.58	125.47 4.90 -52.58	117.45 4.30 -52.64	110.95 3.90 -50.43	105.96 3.84 -45.74	106.10 3.60 -46.22
CRICKET___VALLEY_CC3 323758	89.14 3.60 -29.32	80.80 3.59 -21.12	76.83 3.60 -17.08	76.55 3.60 -16.80	78.56 3.60 -18.75	91.48 3.66 -31.43	121.97 4.25 -57.02	150.65 4.21 -85.43	127.22 4.72 -56.01	124.08 4.85 -50.89	119.26 4.90 -45.29	117.89 4.44 -50.93	113.32 4.24 -49.39	111.87 4.06 -49.73	110.80 4.03 -49.24	111.40 3.90 -50.94	119.61 4.88 -45.98	137.11 5.11 -61.12	132.89 4.92 -60.58	125.47 4.90 -52.58	117.45 4.30 -52.64	110.95 3.90 -50.43	105.96 3.84 -45.74	106.10 3.60 -46.22
CRUCIBLE_METL_DRP 24180	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.15 -0.62 -1.61	57.50 -0.51 -1.79	58.99 -0.39 -3.01	66.39 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.40 0.20 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.41 0.00 -4.72	62.78 -0.06 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.27 -4.42	77.12 0.35 -5.88	73.63 0.40 -5.83	73.32 0.27 -5.06	65.64 0.06 -5.06	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45
DAHOWA___HYDRO 323763	94.76 3.60 -34.95	84.80 3.54 -25.17	80.11 3.60 -20.36	79.78 3.60 -20.02	82.21 3.65 -22.35	97.68 3.84 -37.46	133.22 4.55 -67.96	167.47 4.64 -101.82	138.43 5.19 -66.76	134.46 5.47 -60.66	128.57 5.53 -53.98	128.16 4.94 -60.70	123.27 4.71 -58.87	121.88 4.53 -59.27	120.65 4.43 -58.69	121.74 4.47 -60.72	129.11 5.57 -54.80	149.62 5.88 -72.85	145.13 5.53 -72.20	136.24 5.58 -62.67	128.09 4.84 -62.74	121.15 4.42 -60.11	115.13 4.23 -54.52	115.24 3.88 -55.09
DANC___LFGE 323619	57.54 -0.45 -1.78	56.76 -0.62 -1.28	56.58 -0.62 -1.04	56.62 -0.56 -1.02	56.79 -0.56 -1.14	57.84 -0.45 -1.91	64.53 0.37 -3.47	66.76 0.55 -5.20	70.49 0.60 -3.41	72.04 0.61 -3.10	72.36 0.55 -2.75	66.18 0.56 -3.10	63.16 0.48 -3.00	61.51 0.41 -3.02	60.93 0.41 -2.99	60.11 0.45 -3.10	72.38 0.83 -2.80	75.47 0.85 -3.73	71.97 0.87 -3.69	71.88 0.68 -3.21	64.26 0.54 -3.21	60.09 0.40 -3.08	59.34 0.17 -2.79	59.09 0.00 -2.82
DANSKAMMER___1 23586	88.56 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.62 4.51 -29.73	120.33 5.70 -53.93	147.55 5.73 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.82 -48.17	111.83 5.43 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.06 6.19 -43.12	134.87 6.66 -57.33	130.62 6.41 -56.82	123.63 6.32 -49.32	115.44 5.56 -49.37	108.84 4.92 -47.30	103.91 4.62 -42.90	104.01 4.39 -43.35
DANSKAMMER___2 23589	88.56 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.62 4.51 -29.73	120.33 5.70 -53.93	147.55 5.73 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.82 -48.17	111.83 5.43 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.06 6.19 -43.12	134.87 6.66 -57.33	130.62 6.41 -56.82	123.63 6.32 -49.32	115.44 5.56 -49.37	108.84 4.92 -47.30	103.91 4.62 -42.90	104.01 4.39 -43.35
DANSKAMMER___3 23590	88.56 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.62 4.51 -29.73	120.33 5.70 -53.93	147.55 5.73 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.82 -48.17	111.83 5.43 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.06 6.19 -43.12	134.87 6.66 -57.33	130.62 6.41 -56.82	123.63 6.32 -49.32	115.44 5.56 -49.37	108.84 4.92 -47.30	103.91 4.62 -42.90	104.01 4.39 -43.35



DANSKAMMER___4 23591	88.56 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.62 4.51 -29.73	120.33 5.70 -53.93	147.55 5.73 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.82 -48.17	111.83 5.43 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.06 6.19 -43.12	134.87 6.66 -57.33	130.62 6.41 -56.82	123.63 6.32 -49.32	115.44 5.56 -49.37	108.84 4.92 -47.30	103.91 4.62 -42.90	104.01 4.39 -43.35
DANSKAMMER___DIESEL 23592	88.55 4.61 -27.73	80.49 4.43 -19.97	76.75 4.44 -16.15	76.43 4.38 -15.89	78.27 4.33 -17.73	90.57 4.45 -29.73	120.34 5.71 -53.93	147.55 5.74 -80.80	125.84 6.38 -52.97	122.89 6.42 -48.13	118.32 6.42 -42.84	116.50 5.81 -48.17	111.71 5.31 -46.71	110.28 5.17 -47.03	109.16 5.06 -46.57	109.72 4.98 -48.18	118.43 6.19 -43.49	135.36 6.66 -57.81	131.10 6.40 -57.30	124.05 6.32 -49.74	115.87 5.57 -49.79	108.84 4.93 -47.30	103.90 4.62 -42.90	104.01 4.39 -43.35
DARBY___SOLAR 323810	94.52 3.43 -34.88	84.58 3.37 -25.12	79.90 3.43 -20.32	79.57 3.43 -19.99	82.00 3.49 -22.30	97.39 3.61 -37.39	132.84 4.31 -67.83	166.97 4.33 -101.62	137.97 4.85 -66.63	134.00 5.13 -60.54	128.12 5.18 -53.88	127.80 4.69 -60.58	122.86 4.42 -58.76	121.47 4.24 -59.15	120.30 4.20 -58.58	121.35 4.19 -60.60	128.66 5.22 -54.69	149.05 5.46 -72.71	144.65 5.19 -72.06	135.71 5.16 -62.55	127.67 4.54 -62.62	120.74 4.13 -60.00	114.74 3.95 -54.41	114.91 3.66 -54.98
DASHVILLE___HYD 23610	87.92 3.15 -28.56	79.63 2.97 -20.57	75.77 2.98 -16.63	75.44 2.92 -16.36	77.39 2.92 -18.26	89.98 2.99 -30.61	120.42 4.19 -55.53	148.42 4.21 -83.20	125.75 4.72 -54.55	122.54 4.65 -49.56	117.79 4.63 -44.11	116.31 4.19 -49.60	111.55 3.76 -48.10	110.16 3.66 -48.43	109.11 3.62 -47.96	109.73 3.56 -49.61	118.00 4.47 -44.78	135.24 4.82 -59.53	131.12 4.72 -59.00	123.83 4.62 -51.22	115.83 4.05 -51.27	109.07 3.57 -48.89	103.99 3.27 -44.34	104.06 2.98 -44.80
DEERFIELD_69_KV_DEERFIELD LD 355887	98.32 7.08 -35.02	90.23 7.24 -26.90	79.61 7.41 -16.04	79.34 7.41 -15.77	90.17 7.25 -26.71	113.82 7.27 -50.16	149.86 8.86 -80.30	154.12 9.52 -83.58	152.14 9.37 -76.28	148.03 8.27 -71.42	149.56 8.70 -71.80	150.90 7.82 -80.57	148.91 7.16 -82.07	150.67 7.09 -85.50	150.65 7.02 -86.10	149.09 6.84 -85.69	152.63 8.80 -75.08	156.62 9.29 -76.45	155.51 8.96 -79.15	154.27 8.91 -77.38	151.54 7.81 -83.22	148.97 6.96 -85.39	139.40 6.60 -76.42	110.35 6.53 -47.55
DELAWARE___LFGE 323621	70.51 2.19 -12.10	66.88 2.08 -8.72	65.28 2.08 -7.05	65.22 2.13 -6.93	66.09 2.14 -7.74	71.61 2.26 -12.97	87.45 3.22 -23.53	99.57 3.29 -35.26	93.19 3.59 -23.12	92.96 3.62 -21.00	91.48 3.73 -18.69	86.85 3.31 -21.02	82.99 2.92 -20.39	81.45 2.85 -20.52	80.67 2.82 -20.32	80.30 2.71 -21.02	91.36 3.64 -18.96	99.92 3.83 -25.21	96.09 3.71 -24.99	93.35 3.67 -21.69	85.43 3.21 -21.71	80.25 2.83 -20.81	77.85 2.59 -18.87	77.76 2.42 -19.07
DERFIELD_115KV_TB7 355931	57.05 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.00 0.84 0.00	57.05 0.84 0.00	57.29 0.90 0.00	61.85 1.15 0.00	62.18 1.16 0.00	67.75 1.26 0.00	69.63 1.30 0.00	70.30 1.24 0.00	63.71 1.19 0.00	60.76 1.07 0.00	59.12 1.05 0.00	58.50 0.98 0.00	57.52 0.96 0.00	70.05 1.31 0.00	72.23 1.35 0.00	68.68 1.28 0.00	69.28 1.29 0.00	61.60 1.09 0.00	57.58 0.96 0.00	57.34 0.96 0.00	57.12 0.84 0.00
DOGLEVILLE___HYD 23807	59.76 3.54 0.00	59.57 3.48 0.00	59.64 3.48 0.00	59.64 3.48 0.00	59.70 3.49 0.00	60.00 3.61 0.00	64.83 4.13 0.00	65.11 4.09 0.00	70.94 4.46 0.00	72.91 4.58 0.00	73.69 4.63 0.00	66.90 4.38 0.00	63.86 4.18 0.00	62.03 3.95 0.00	61.32 3.80 0.00	60.23 3.67 0.00	73.21 4.47 0.00	75.35 4.47 0.00	71.58 4.18 0.00	72.07 4.08 0.00	64.02 3.51 0.00	59.90 3.28 0.00	59.54 3.16 0.00	59.31 3.04 0.00
DUNKIRK___115KV_TB_200 55889	57.58 -3.26 -4.62	55.94 -3.48 -3.33	55.71 -3.14 -2.69	55.61 -3.20 -2.65	56.19 -2.98 -2.96	58.52 -2.82 -4.96	68.17 -1.52 -8.99	71.87 -2.62 -13.47	71.66 -3.66 -8.83	72.81 -3.55 -8.03	72.47 -3.73 -7.14	67.18 -3.38 -8.03	63.42 -4.06 -7.79	61.91 -4.01 -7.84	61.32 -3.97 -7.77	60.52 -4.07 -8.03	72.42 -3.57 -7.25	76.84 -3.69 -9.64	73.65 -3.30 -9.55	72.75 -3.54 -8.29	65.30 -3.51 -8.30	60.89 -3.68 -7.95	59.48 -4.12 -7.21	59.90 -3.66 -7.29
DUNKIRK___1 23563	57.58 -3.26 -4.62	55.94 -3.48 -3.33	55.71 -3.14 -2.69	55.61 -3.20 -2.65	56.19 -2.98 -2.96	58.52 -2.82 -4.96	68.17 -1.52 -8.99	71.87 -2.62 -13.47	71.66 -3.66 -8.83	72.81 -3.55 -8.03	72.47 -3.73 -7.14	67.18 -3.38 -8.03	63.42 -4.06 -7.79	61.91 -4.01 -7.84	61.32 -3.97 -7.77	60.52 -4.07 -8.03	72.42 -3.57 -7.25	76.84 -3.69 -9.64	73.65 -3.30 -9.55	72.75 -3.54 -8.29	65.30 -3.51 -8.30	60.89 -3.68 -7.95	59.48 -4.12 -7.21	59.90 -3.66 -7.29
DUNKIRK___2 23564	57.58 -3.26 -4.62	55.94 -3.48 -3.33	55.71 -3.14 -2.69	55.61 -3.20 -2.65	56.19 -2.98 -2.96	58.52 -2.82 -4.96	68.17 -1.52 -8.99	71.87 -2.62 -13.47	71.66 -3.66 -8.83	72.81 -3.55 -8.03	72.47 -3.73 -7.14	67.18 -3.38 -8.03	63.42 -4.06 -7.79	61.91 -4.01 -7.84	61.32 -3.97 -7.77	60.52 -4.07 -8.03	72.42 -3.57 -7.25	76.84 -3.69 -9.64	73.65 -3.30 -9.55	72.75 -3.54 -8.29	65.30 -3.51 -8.30	60.89 -3.68 -7.95	59.48 -4.12 -7.21	59.90 -3.66 -7.29
DUNKIRK___3 23565	57.31 -3.54 -4.64	55.67 -3.76 -3.34	55.49 -3.37 -2.70	55.39 -3.43 -2.66	55.92 -3.26 -2.97	58.25 -3.10 -4.97	67.90 -1.82 -9.02	71.60 -2.93 -13.51	71.36 -3.99 -8.86	72.42 -3.96 -8.05	72.15 -4.07 -7.16	66.89 -3.69 -8.05	63.20 -4.30 -7.81	61.70 -4.24 -7.86	61.12 -4.20 -7.79	60.38 -4.24 -8.06	72.17 -3.85 -7.27	76.58 -3.97 -9.66	73.40 -3.57 -9.58	72.43 -3.88 -8.31	65.02 -3.81 -8.32	60.69 -3.91 -7.98	59.22 -4.40 -7.23	59.70 -3.88 -7.31
DUNKIRK___4 23566	57.31 -3.43 -4.53	55.71 -3.65 -3.26	55.48 -3.31 -2.64	55.38 -3.37 -2.60	55.96 -3.15 -2.90	58.25 -2.99 -4.86	67.81 -1.70 -8.81	71.41 -2.81 -13.20	71.29 -3.86 -8.66	72.44 -3.76 -7.87	72.12 -3.94 -7.00	66.83 -3.56 -7.87	63.08 -4.24 -7.63	61.64 -4.12 -7.69	61.05 -4.08 -7.61	60.25 -4.19 -7.87	72.07 -3.78 -7.10	76.50 -3.83 -9.44	73.25 -3.50 -9.36	72.38 -3.74 -8.13	64.95 -3.69 -8.13	60.56 -3.85 -7.79	59.17 -4.29 -7.07	59.59 -3.83 -7.14
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	88.14 4.38 -27.55	80.14 4.21 -19.84	76.41 4.21 -16.05	76.09 4.16 -15.78	77.98 4.16 -17.61	90.14 4.23 -29.53	119.42 5.16 -53.57	146.64 5.37 -80.25	125.08 5.98 -52.61	122.22 6.08 -47.81	121.59 6.15 -46.38	115.93 5.56 -47.84	111.27 5.19 -46.40	109.78 4.99 -46.71	108.73 4.95 -46.26	109.28 4.86 -47.85	118.06 6.12 -43.20	138.91 6.45 -61.57	133.84 6.20 -60.24	127.98 6.19 -53.81	115.41 5.45 -49.45	108.88 4.87 -47.39	104.04 4.68 -42.98	104.10 4.39 -43.43
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	87.47 4.10 -27.15	79.57 3.93 -19.56	75.90 3.93 -15.82	75.64 3.93 -15.56	77.45 3.88 -17.36	89.44 3.95 -29.11	118.60 5.10 -52.80	145.25 5.13 -79.11	124.00 5.65 -51.87	121.13 5.67 -47.13	116.66 5.66 -41.94	114.81 5.13 -47.16	110.14 4.72 -45.74	108.66 4.53 -46.05	107.61 4.49 -45.60	108.14 4.41 -47.17	116.55 5.22 -42.58	133.09 5.60 -56.61	128.96 5.46 -56.10	122.06 5.37 -48.70	113.98 4.72 -48.75	106.83 4.19 -46.02	102.07 3.95 -41.74	102.16 3.71 -42.18



E179THST_138_KV_TB4_REV_LBMP_J 345001	88.71 4.95 -27.55	80.70 4.77 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.19 5.92 -80.25	126.08 6.32 -53.28	123.58 6.36 -48.90	121.23 6.56 -45.61	118.53 5.94 -50.06	114.02 5.49 -48.85	112.65 5.34 -49.23	111.65 5.29 -48.83	112.11 5.15 -50.40	121.41 6.60 -46.06	138.49 6.88 -60.73	133.61 6.60 -59.60	127.57 6.66 -52.92	117.98 5.81 -51.66	111.22 5.27 -49.34	106.06 5.02 -44.66	105.12 4.78 -44.06
E179THST_13_KV_LOAD 356214	88.99 5.23 -27.55	80.93 4.99 -19.84	77.26 5.05 -16.05	76.94 5.00 -15.79	78.83 5.00 -17.62	90.98 5.07 -29.53	120.21 5.95 -53.56	147.49 6.22 -80.25	126.41 6.65 -53.28	123.93 6.70 -48.90	121.57 6.91 -45.61	118.84 6.25 -50.06	114.38 5.85 -48.85	112.95 5.63 -49.23	111.94 5.58 -48.83	112.45 5.49 -50.40	121.76 6.94 -46.06	138.92 7.30 -60.73	134.01 7.01 -59.60	127.91 7.00 -52.92	118.34 6.17 -51.66	111.51 5.55 -49.34	106.35 5.30 -44.66	105.35 5.01 -44.06
EAST HAMPTON___GT 23717	98.94 7.70 -35.02	90.85 7.85 -26.90	80.22 8.03 -16.04	79.96 8.03 -15.77	90.79 7.87 -26.71	114.61 8.06 -50.16	150.59 9.59 -80.30	154.85 10.25 -83.58	153.00 10.23 -76.28	148.92 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.75 8.00 -82.07	151.42 7.84 -85.50	151.34 7.71 -86.10	149.83 7.58 -85.69	153.46 9.62 -75.09	157.56 10.21 -76.46	156.40 9.84 -79.16	155.24 9.86 -77.39	152.33 8.59 -83.23	149.71 7.70 -85.39	140.08 7.28 -76.42	110.97 7.15 -47.55
EAST RIVER___6 23660	88.36 4.61 -27.54	80.30 4.38 -19.83	76.52 4.32 -16.04	76.20 4.27 -15.78	78.09 4.27 -17.61	90.42 4.51 -29.52	119.66 5.40 -53.56	146.86 5.61 -80.24	138.49 6.38 -65.62	144.16 6.56 -69.27	160.41 6.70 -84.65	160.33 6.06 -91.75	160.16 5.73 -94.74	160.05 5.46 -96.51	160.06 5.41 -97.13	160.03 5.26 -98.21	175.26 6.67 -99.85	180.87 7.02 -102.96	165.84 6.74 -91.71	172.43 6.67 -97.77	159.37 5.81 -93.05	147.69 5.21 -85.87	137.55 5.02 -76.15	116.73 4.67 -55.79
EAST RIVER___7 23524	88.36 4.61 -27.54	80.30 4.38 -19.83	76.52 4.32 -16.04	76.20 4.27 -15.78	78.09 4.27 -17.61	90.42 4.51 -29.52	119.66 5.40 -53.56	146.86 5.61 -80.24	138.49 6.38 -65.62	144.16 6.56 -69.27	160.41 6.70 -84.65	160.33 6.06 -91.75	160.16 5.73 -94.74	160.05 5.46 -96.51	160.06 5.41 -97.13	160.03 5.26 -98.21	175.26 6.67 -99.85	180.87 7.02 -102.96	165.84 6.74 -91.71	172.43 6.67 -97.77	159.37 5.81 -93.05	147.69 5.21 -85.87	137.55 5.02 -76.15	116.73 4.67 -55.79
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	87.89 4.22 -27.46	79.90 4.04 -19.77	76.25 4.10 -15.99	75.93 4.04 -15.73	77.82 4.05 -17.56	89.93 4.12 -29.43	119.07 4.98 -53.40	146.20 5.19 -80.00	125.24 5.72 -53.03	122.83 5.88 -48.62	120.13 5.94 -45.13	117.56 5.38 -49.66	113.06 4.95 -48.42	111.70 4.82 -48.80	110.64 4.72 -48.40	111.16 4.64 -49.96	120.27 5.91 -45.60	137.30 6.24 -60.18	132.40 6.00 -59.01	126.27 5.92 -52.36	116.97 5.20 -51.26	110.23 4.64 -48.98	105.18 4.45 -44.34	104.35 4.22 -43.85
EAST_HAMPTON___DIESEL 23722	98.94 7.70 -35.02	90.85 7.85 -26.90	80.22 8.03 -16.04	79.96 8.03 -15.77	90.84 7.93 -26.71	114.61 8.06 -50.16	150.59 9.59 -80.30	154.85 10.25 -83.58	152.94 10.17 -76.28	148.92 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.75 8.00 -82.07	151.37 7.79 -85.50	151.34 7.71 -86.10	149.83 7.58 -85.69	153.46 9.62 -75.09	157.56 10.21 -76.46	156.40 9.84 -79.16	155.24 9.86 -77.39	152.33 8.59 -83.23	149.65 7.64 -85.39	140.08 7.28 -76.42	110.97 7.15 -47.55
EAST_PULASKI___ESR 323781	57.34 -0.90 -2.02	56.54 -1.01 -1.46	56.32 -1.01 -1.18	56.36 -0.95 -1.16	56.55 -0.96 -1.29	57.65 -0.90 -2.17	64.39 -0.24 -3.93	66.79 -0.12 -5.90	70.15 -0.20 -3.86	71.64 -0.21 -3.51	71.98 -0.21 -3.13	65.91 -0.13 -3.51	62.85 -0.24 -3.41	61.22 -0.29 -3.43	60.64 -0.29 -3.40	59.79 -0.28 -3.52	71.86 -0.07 -3.18	75.04 -0.07 -4.23	71.59 0.00 -4.19	71.49 -0.14 -3.64	63.91 -0.24 -3.64	59.77 -0.34 -3.49	59.04 -0.51 -3.17	58.85 -0.62 -3.20
EAST_RIVER___1 323558	88.42 4.66 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.32 4.38 -15.78	78.21 4.39 -17.61	90.47 4.57 -29.52	119.72 5.47 -53.56	146.93 5.68 -80.24	138.49 6.38 -65.62	144.16 6.56 -69.27	160.34 6.63 -84.65	160.27 6.00 -91.75	160.10 5.67 -94.74	159.99 5.40 -96.51	160.01 5.35 -97.13	159.97 5.20 -98.21	175.20 6.60 -99.85	180.80 6.95 -102.96	165.78 6.67 -91.71	172.35 6.59 -97.77	159.31 5.75 -93.05	147.69 5.21 -85.87	137.55 5.02 -76.15	116.79 4.73 -55.79
EAST_RIVER___2 323559	88.36 4.61 -27.54	80.30 4.38 -19.83	76.52 4.32 -16.04	76.20 4.27 -15.78	78.09 4.27 -17.61	90.42 4.51 -29.52	119.66 5.40 -53.56	146.86 5.61 -80.24	138.49 6.38 -65.62	144.16 6.56 -69.27	160.41 6.70 -84.65	160.33 6.06 -91.75	160.16 5.73 -94.74	160.05 5.46 -96.51	160.06 5.41 -97.13	160.03 5.26 -98.21	175.26 6.67 -99.85	180.87 7.02 -102.96	165.84 6.74 -91.71	172.43 6.67 -97.77	159.37 5.81 -93.05	147.69 5.21 -85.87	137.55 5.02 -76.15	116.73 4.67 -55.79
EAST___DELAWARE_HYD 23607	85.75 4.55 -24.99	78.41 4.32 -18.00	75.04 4.32 -14.56	74.74 4.27 -14.32	76.46 4.27 -15.98	87.68 4.51 -26.79	115.25 5.95 -48.59	139.80 5.98 -72.80	119.01 4.79 -47.73	116.35 4.65 -43.37	112.21 4.56 -38.60	110.05 4.13 -43.40	105.54 3.76 -42.09	104.06 3.60 -42.38	103.00 3.51 -41.96	103.48 3.51 -43.41	112.22 4.47 -39.01	127.70 4.96 -51.86	123.65 4.86 -51.40	117.36 4.76 -44.61	110.98 5.81 -44.66	104.56 5.15 -42.79	99.98 4.79 -38.81	99.99 4.50 -39.21
EIGHT_POINT___WT_PWR 323820	61.27 -0.62 -5.68	59.34 -0.84 -4.09	58.85 -0.62 -3.31	58.79 -0.62 -3.25	59.45 -0.39 -3.63	62.64 0.17 -6.08	73.07 1.33 -11.04	78.47 0.92 -16.53	77.73 0.40 -10.84	78.60 0.41 -9.85	78.03 0.21 -8.77	72.50 0.13 -9.86	69.18 -0.06 -9.56	67.18 -0.52 -9.62	66.31 -0.75 -9.53	65.51 -0.91 -9.86	77.63 0.00 -8.88	82.84 0.14 -11.81	79.44 0.34 -11.71	78.08 -0.07 -10.16	70.26 -0.42 -10.17	65.57 -0.79 -9.75	64.09 -1.13 -8.84	64.19 -1.01 -8.93
ELBRIDGE_115KV_TB2 80188	58.39 -0.79 -2.96	57.33 -0.90 -2.13	57.04 -0.84 -1.73	57.01 -0.84 -1.70	57.32 -0.79 -1.89	58.88 -0.68 -3.18	66.40 -0.06 -5.76	69.59 -0.06 -8.63	71.95 -0.20 -5.66	73.34 -0.14 -5.14	73.43 -0.21 -4.58	67.48 -0.19 -5.15	64.32 -0.36 -4.99	62.70 -0.41 -5.02	62.10 -0.40 -4.98	61.26 -0.45 -5.15	73.29 -0.14 -4.68	77.04 -0.07 -6.23	73.57 0.00 -6.17	73.21 -0.14 -5.36	65.63 -0.24 -5.36	61.36 -0.40 -5.14	60.37 -0.68 -4.66	60.25 -0.73 -4.71
ELEC_TRO_TEK 24086	96.46 5.23 -35.02	88.04 5.05 -26.90	77.19 5.00 -16.04	76.93 5.00 -15.77	87.92 5.00 -26.71	111.62 5.07 -50.16	147.13 6.13 -80.30	150.88 6.28 -83.58	149.75 6.98 -76.28	146.86 7.11 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.78 6.03 -82.07	149.45 5.87 -85.50	149.44 5.81 -86.10	147.90 5.66 -85.69	150.98 7.15 -75.08	154.85 7.51 -76.45	153.82 7.28 -79.15	152.57 7.21 -77.38	150.02 6.29 -83.22	147.73 5.72 -85.39	138.33 5.53 -76.42	109.06 5.23 -47.55
ELLENBURG_WT_PWR 323604	56.55 0.34 0.00	56.49 0.40 0.00	56.50 0.34 0.00	56.55 0.40 0.00	56.61 0.40 0.00	56.61 0.23 0.00	60.15 -0.55 0.00	60.77 -0.24 0.00	66.16 -0.33 0.00	68.06 -0.27 0.00	68.85 -0.21 0.00	62.33 -0.19 0.00	59.39 -0.30 0.00	57.96 -0.12 0.00	57.58 0.06 0.00	56.62 0.06 0.00	67.99 -0.75 0.00	69.82 -1.06 0.00	65.91 -1.48 0.00	66.29 -1.70 0.00	58.94 -1.57 0.00	55.42 -1.19 0.00	55.54 -0.84 0.00	55.37 -0.90 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	56.64 -3.93 -4.36	55.08 -4.15 -3.14	54.88 -3.82 -2.54	54.72 -3.93 -2.50	55.29 -3.71 -2.79	57.51 -3.55 -4.67	66.87 -2.31 -8.48	70.18 -3.54 -12.70	70.16 -4.65 -8.33	71.32 -4.58 -7.57	71.03 -4.77 -6.74	65.84 -4.25 -7.57	62.20 -4.83 -7.35	60.83 -4.65 -7.39	60.25 -4.60 -7.32	59.50 -4.64 -7.58	71.19 -4.40 -6.84	75.37 -4.61 -9.09	72.16 -4.25 -9.01	71.32 -4.49 -7.82	63.98 -4.36 -7.83	59.70 -4.42 -7.50	58.39 -4.79 -6.80	58.76 -4.39 -6.87
EMPIRE_CC_1 323656	91.69 2.64 -32.84	82.43 2.69 -23.65	78.03 2.75 -19.13	77.72 2.75 -18.81	79.96 2.75 -21.00	94.40 2.82 -35.20	127.53 2.97 -63.86	159.49 2.81 -95.67	132.47 3.26 -62.72	128.67 3.35 -56.99	123.16 3.38 -50.72	122.62 3.06 -57.03	117.98 2.98 -55.31	116.61 2.85 -55.68	115.49 2.82 -55.14	116.32 2.71 -57.05	123.60 3.37 -51.49	142.73 3.40 -68.44	138.47 3.23 -67.84	130.14 3.26 -58.88	122.42 2.96 -58.95	115.81 2.72 -56.48	110.36 2.76 -51.22	110.62 2.59 -51.76
EMPIRE_CC_2 323658	91.69 2.64 -32.84	82.43 2.69 -23.65	78.03 2.75 -19.13	77.72 2.75 -18.81	79.96 2.75 -21.00	94.40 2.82 -35.20	127.53 2.97 -63.86	159.49 2.81 -95.67	132.47 3.26 -62.72	128.67 3.35 -56.99	123.16 3.38 -50.72	122.62 3.06 -57.03	117.98 2.98 -55.31	116.61 2.85 -55.68	115.49 2.82 -55.14	116.32 2.71 -57.05	123.60 3.37 -51.49	142.73 3.40 -68.44	138.47 3.23 -67.84	130.14 3.26 -58.88	122.42 2.96 -58.95	115.81 2.72 -56.48	110.36 2.76 -51.22	110.62 2.59 -51.76
ENORWICH_115KV_TB1 80156	70.01 5.12 -8.68	67.22 4.88 -6.25	65.93 4.72 -5.06	66.02 4.89 -4.98	66.65 4.89 -5.55	71.05 5.36 -9.31	85.42 7.83 -16.89	94.43 8.12 -25.30	91.65 8.58 -16.59	92.29 8.88 -15.07	91.38 8.91 -13.41	85.36 7.75 -15.08	81.12 6.80 -14.63	79.31 6.50 -14.73	78.55 6.44 -14.58	77.87 6.22 -15.09	90.89 8.59 -13.55	98.26 9.36 -18.01	94.48 9.23 -17.85	92.39 8.91 -15.50	83.89 7.87 -15.51	78.33 6.85 -14.87	75.73 5.86 -13.48	75.52 5.63 -13.62
ERIE_ST__34_KV_TB1-2 80199	56.50 -4.22 -4.50	54.90 -4.43 -3.24	54.68 -4.10 -2.62	54.58 -4.16 -2.58	55.15 -3.93 -2.88	57.43 -3.78 -4.82	66.90 -2.55 -8.75	70.52 -3.60 -13.11	70.36 -4.72 -8.59	71.50 -4.65 -7.81	71.24 -4.77 -6.95	66.02 -4.31 -7.81	62.43 -4.83 -7.58	61.00 -4.70 -7.63	60.42 -4.66 -7.56	59.68 -4.69 -7.82	71.33 -4.47 -7.05	75.58 -4.68 -9.38	72.44 -4.25 -9.29	71.50 -4.56 -8.07	64.17 -4.42 -8.08	59.83 -4.53 -7.74	58.44 -4.96 -7.02	58.86 -4.50 -7.09
ERIE_WT_PWR 323693	56.95 -3.71 -4.45	55.37 -3.93 -3.21	55.15 -3.60 -2.59	55.00 -3.71 -2.55	55.57 -3.49 -2.85	58.28 -2.87 -4.77	67.35 -2.00 -8.66	70.75 -3.24 -12.97	70.73 -4.26 -8.50	71.82 -4.24 -7.72	71.59 -4.35 -6.87	66.31 -3.94 -7.73	63.48 -3.70 -7.50	61.56 -4.07 -7.55	60.69 -4.32 -7.47	59.88 -4.41 -7.73	71.67 -4.06 -6.98	75.91 -4.25 -9.28	72.68 -3.91 -9.20	71.82 -4.15 -7.98	64.45 -4.05 -7.99	60.14 -4.13 -7.66	58.81 -4.51 -6.94	59.18 -4.11 -7.02
ESPRGFLD_115KV_TB1 80157	58.64 1.97 -0.46	58.27 1.85 -0.33	58.28 1.85 -0.27	58.27 1.85 -0.26	58.47 1.97 -0.29	59.07 2.20 -0.49	65.11 3.52 -0.89	66.19 3.84 -1.33	71.48 4.12 -0.87	73.29 4.17 -0.79	74.12 4.35 -0.71	67.13 3.81 -0.79	63.74 3.28 -0.77	62.05 3.19 -0.77	61.46 3.16 -0.77	60.63 3.28 -0.79	73.72 4.26 -0.71	76.43 4.61 -0.94	72.78 4.45 -0.93	73.15 4.35 -0.81	65.07 3.75 -0.81	60.84 3.45 -0.77	60.07 2.99 -0.70	59.63 2.64 -0.71
ETNA_115_KV_TB1_REV_LBMP_C 345029	63.57 1.07 -6.29	61.52 0.90 -4.53	60.78 0.95 -3.67	60.72 0.95 -3.61	61.30 1.07 -4.02	64.37 1.24 -6.74	75.24 2.31 -12.24	81.79 2.44 -18.33	80.97 2.46 -12.02	81.78 2.53 -10.92	81.20 2.42 -9.72	75.58 2.13 -10.93	72.07 1.79 -10.60	70.43 1.68 -10.67	69.76 1.67 -10.57	69.13 1.64 -10.93	81.03 2.54 -9.73	86.66 2.84 -12.94	82.98 2.76 -12.82	81.71 2.58 -11.13	73.77 2.12 -11.14	69.05 1.76 -10.68	67.36 1.30 -9.68	67.24 1.18 -9.79
ETNA____115KV_TB2 80207	63.57 1.07 -6.29	61.52 0.90 -4.53	60.78 0.95 -3.67	60.72 0.95 -3.61	61.30 1.07 -4.02	64.37 1.24 -6.74	75.24 2.31 -12.24	81.79 2.44 -18.33	80.97 2.46 -12.02	81.78 2.53 -10.92	81.20 2.42 -9.72	75.58 2.13 -10.93	72.07 1.79 -10.60	70.43 1.68 -10.67	69.76 1.67 -10.57	69.13 1.64 -10.93	81.03 2.54 -9.73	86.66 2.84 -12.94	82.98 2.76 -12.82	81.71 2.58 -11.13	73.77 2.12 -11.14	69.05 1.76 -10.68	67.36 1.30 -9.68	67.24 1.18 -9.79
EUCLID__115KV_TB2 356179	57.39 -1.18 -2.36	56.50 -1.29 -1.70	56.29 -1.24 -1.37	56.27 -1.24 -1.35	56.54 -1.18 -1.51	57.84 -1.07 -2.53	64.68 -0.61 -4.58	67.27 -0.61 -6.87	70.26 -0.73 -4.50	71.67 -0.75 -4.09	71.94 -0.76 -3.64	65.93 -0.69 -4.09	62.82 -0.84 -3.97	61.21 -0.87 -4.00	60.62 -0.86 -3.96	59.81 -0.85 -4.10	71.77 -0.69 -3.71	75.10 -0.71 -4.93	71.67 -0.61 -4.88	71.48 -0.75 -4.24	63.97 -0.79 -4.24	59.83 -0.85 -4.07	59.00 -1.07 -3.69	58.87 -1.13 -3.73
E_CANADA_CAP_HY 24051	98.67 2.08 -40.37	87.18 2.02 -29.08	81.64 1.96 -23.52	81.31 2.02 -23.13	84.16 2.14 -25.81	102.09 2.42 -43.28	142.61 3.40 -78.51	182.43 3.78 -117.63	147.66 4.06 -77.12	142.50 4.10 -70.07	135.84 4.42 -62.36	136.46 3.81 -70.12	131.15 3.46 -68.01	129.91 3.37 -68.47	128.61 3.28 -67.80	130.27 3.57 -70.14	136.32 4.26 -63.31	159.80 4.75 -84.16	155.25 4.45 -83.41	144.81 4.42 -72.40	136.74 3.75 -72.48	129.79 3.74 -69.44	122.57 3.21 -62.98	122.73 2.81 -63.64
E_CANADA_MHWK_HY 24050	59.76 3.54 0.00	59.57 3.48 0.00	59.64 3.48 0.00	59.64 3.48 0.00	59.70 3.49 0.00	60.00 3.61 0.00	64.83 4.13 0.00	65.11 4.09 0.00	70.94 4.46 0.00	72.91 4.58 0.00	73.69 4.63 0.00	66.90 4.38 0.00	63.86 4.18 0.00	62.03 3.95 0.00	61.32 3.80 0.00	60.23 3.67 0.00	73.21 4.47 0.00	75.35 4.47 0.00	71.58 4.18 0.00	72.07 4.08 0.00	64.02 3.51 0.00	59.90 3.28 0.00	59.54 3.16 0.00	59.31 3.04 0.00
E_FISHKILL__LBMP 23776	88.31 3.71 -28.39	80.13 3.59 -20.45	76.34 3.65 -16.54	76.02 3.59 -16.27	77.96 3.60 -18.15	90.48 3.66 -30.43	120.34 4.43 -55.21	148.24 4.52 -82.71	125.70 4.99 -54.23	122.73 5.13 -49.27	117.85 5.18 -43.61	116.52 4.69 -49.31	111.80 4.30 -47.82	110.40 4.18 -48.14	109.35 4.14 -47.68	109.95 4.07 -49.32	118.36 5.09 -44.52	135.19 5.39 -58.92	131.03 5.19 -58.45	123.79 5.17 -50.64	116.02 4.54 -50.97	109.52 4.08 -48.83	104.61 3.95 -44.28	104.74 3.71 -44.75
FALCON__SEABRD_CC1 323796	57.00 0.79 0.00	56.88 0.78 0.00	56.94 0.79 0.00	57.00 0.84 0.00	57.06 0.84 0.00	57.06 0.68 0.00	60.70 0.00 0.00	61.38 0.37 0.00	66.82 0.33 0.00	68.75 0.41 0.00	69.61 0.55 0.00	62.96 0.44 0.00	59.98 0.30 0.00	58.54 0.46 0.00	58.16 0.63 0.00	57.18 0.62 0.00	68.68 -0.07 0.00	70.46 -0.42 0.00	66.59 -0.81 0.00	66.90 -1.09 0.00	59.48 -1.03 0.00	55.88 -0.74 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00
FALCON__SEABRD_CC2 323797	57.00 0.79 0.00	56.88 0.78 0.00	56.94 0.79 0.00	57.00 0.84 0.00	57.06 0.84 0.00	57.06 0.68 0.00	60.70 0.00 0.00	61.38 0.37 0.00	66.82 0.33 0.00	68.75 0.41 0.00	69.61 0.55 0.00	62.96 0.44 0.00	59.98 0.30 0.00	58.54 0.46 0.00	58.16 0.63 0.00	57.18 0.62 0.00	68.68 -0.07 0.00	70.46 -0.42 0.00	66.59 -0.81 0.00	66.90 -1.09 0.00	59.48 -1.03 0.00	55.88 -0.74 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00



FAR ROCKAWAY___4 23548	97.25 6.01 -35.02	88.77 5.78 -26.90	77.92 5.73 -16.04	77.66 5.73 -15.77	88.65 5.73 -26.71	112.41 5.86 -50.16	148.04 7.04 -80.30	151.86 7.26 -83.58	150.75 7.98 -76.28	147.96 8.20 -71.42	149.22 8.36 -71.80	150.72 7.63 -80.57	148.85 7.10 -82.07	150.49 6.91 -85.50	150.42 6.79 -86.10	148.87 6.62 -85.69	152.21 8.39 -75.08	156.20 8.86 -76.45	155.04 8.49 -79.15	153.73 8.36 -77.38	151.11 7.38 -83.22	148.63 6.62 -85.39	139.18 6.37 -76.42	109.90 6.08 -47.55
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	88.48 4.72 -27.54	80.47 4.54 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.47 4.57 -29.52	119.78 5.52 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.18 6.56 -70.28	162.28 6.63 -86.59	162.34 6.00 -93.82	162.32 5.61 -97.02	162.34 5.40 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.86 6.60 -102.51	182.88 6.95 -105.04	167.36 6.67 -93.29	174.64 6.66 -99.99	161.41 5.81 -95.09	149.56 5.27 -87.68	139.17 5.07 -77.71	117.43 4.78 -56.37
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	88.48 4.72 -27.54	80.47 4.54 -19.83	76.75 4.55 -16.04	76.43 4.49 -15.78	78.32 4.50 -17.61	90.47 4.57 -29.52	119.78 5.52 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.18 6.56 -70.28	162.28 6.63 -86.59	162.34 6.00 -93.82	162.32 5.61 -97.02	162.34 5.40 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.86 6.60 -102.51	182.88 6.95 -105.04	167.43 6.74 -93.29	174.64 6.66 -99.99	161.41 5.81 -95.09	149.56 5.27 -87.68	139.17 5.07 -77.71	117.48 4.84 -56.37
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	88.48 4.72 -27.54	80.41 4.49 -19.83	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.47 4.57 -29.52	119.72 5.46 -53.56	146.93 5.67 -80.24	139.10 6.38 -66.23	145.18 6.56 -70.28	162.28 6.63 -86.59	162.34 6.00 -93.82	162.26 5.55 -97.02	162.34 5.40 -98.86	162.35 5.29 -99.53	162.35 5.20 -100.59	177.86 6.60 -102.51	182.81 6.88 -105.04	167.36 6.67 -93.29	174.57 6.60 -99.99	161.35 5.75 -95.09	149.51 5.21 -87.68	139.12 5.02 -77.71	117.43 4.78 -56.37
FARRAGUT___LBMP 323566	88.42 4.67 -27.54	80.41 4.49 -19.83	76.64 4.44 -16.04	76.32 4.38 -15.78	78.21 4.38 -17.61	90.42 4.51 -29.52	119.72 5.46 -53.56	146.93 5.67 -80.24	139.03 6.32 -66.23	145.11 6.49 -70.28	162.21 6.56 -86.59	162.28 5.94 -93.82	162.20 5.49 -97.02	162.28 5.34 -98.86	162.29 5.23 -99.53	162.30 5.15 -100.59	177.79 6.53 -102.51	182.74 6.81 -105.04	167.30 6.60 -93.29	174.50 6.53 -99.99	161.35 5.75 -95.09	149.45 5.15 -87.68	139.06 4.96 -77.71	117.37 4.73 -56.37
FENNER___WINDPWR 24204	60.91 1.29 -3.40	59.72 1.18 -2.45	59.32 1.18 -1.98	59.34 1.23 -1.95	59.68 1.29 -2.17	61.61 1.58 -3.65	69.74 2.43 -6.61	73.49 2.56 -9.91	75.71 2.73 -6.50	76.97 2.74 -5.90	76.94 2.62 -5.25	70.87 2.44 -5.91	67.74 2.33 -5.73	66.00 2.15 -5.77	65.31 2.07 -5.71	64.45 1.98 -5.91	76.82 2.75 -5.31	80.79 2.84 -7.06	77.16 2.76 -7.00	76.65 2.58 -6.08	68.77 2.18 -6.08	64.31 1.87 -5.83	63.25 1.58 -5.29	63.08 1.46 -5.34
FIBERTEK___ENERGY 23856	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.15 -0.62 -1.61	57.50 -0.51 -1.79	58.99 -0.39 -3.01	66.39 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.40 0.20 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.41 0.00 -4.72	62.78 -0.06 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.27 -4.42	77.12 0.35 -5.88	73.63 0.40 -5.83	73.32 0.27 -5.06	65.64 0.06 -5.06	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45
FITZPATRICK___ 23598	55.90 -1.97 -1.66	55.27 -2.02 -1.19	55.15 -1.97 -0.96	55.09 -2.02 -0.95	55.30 -1.97 -1.06	56.35 -1.81 -1.77	62.28 -1.64 -3.22	64.19 -1.64 -4.82	67.72 -1.93 -3.16	69.29 -1.91 -2.87	69.61 -2.00 -2.56	63.58 -1.82 -2.87	60.74 -1.73 -2.79	59.14 -1.74 -2.81	58.52 -1.78 -2.78	57.62 -1.81 -2.88	69.42 -1.92 -2.60	72.36 -1.98 -3.46	69.00 -1.82 -3.42	69.06 -1.90 -2.97	61.67 -1.81 -2.98	57.65 -1.81 -2.85	57.05 -1.92 -2.59	56.91 -1.97 -2.61
FLOWRFLD_69_KV_BK1 356044	97.14 5.90 -35.02	88.83 5.83 -26.90	78.03 5.84 -16.04	77.77 5.84 -15.77	88.76 5.85 -26.71	112.47 5.92 -50.16	148.04 7.04 -80.30	151.74 7.14 -83.58	150.41 7.65 -76.28	147.34 7.59 -71.42	148.53 7.67 -71.80	150.03 6.94 -80.57	148.20 6.45 -82.07	149.85 6.27 -85.50	149.84 6.21 -86.10	148.36 6.11 -85.69	151.46 7.63 -75.08	155.20 7.87 -76.45	154.16 7.62 -79.15	153.05 7.68 -77.38	150.57 6.84 -83.22	148.24 6.23 -85.39	138.84 6.03 -76.42	109.62 5.80 -47.55
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	88.74 4.72 -27.81	80.61 4.49 -20.03	76.85 4.49 -16.20	76.58 4.49 -15.93	78.43 4.44 -17.78	90.70 4.51 -29.81	120.54 5.77 -54.08	147.83 5.80 -81.02	126.12 6.52 -53.12	123.09 6.49 -48.26	118.57 6.56 -42.95	116.70 5.88 -48.30	111.96 5.43 -46.84	110.47 5.23 -47.16	109.41 5.18 -46.70	109.96 5.09 -48.31	118.68 6.32 -43.61	135.66 6.81 -57.97	131.39 6.54 -57.46	124.32 6.46 -49.88	116.13 5.69 -49.93	109.13 5.04 -47.48	104.18 4.74 -43.06	104.29 4.50 -43.51
FORT ORANGE___ 23900	92.72 2.70 -33.81	83.13 2.69 -24.35	78.60 2.75 -19.69	78.28 2.75 -19.37	80.58 2.75 -21.62	95.39 2.76 -36.24	128.57 2.12 -65.74	161.41 1.89 -98.50	133.33 2.26 -64.58	129.40 2.39 -58.67	123.76 2.48 -52.22	123.43 2.19 -58.72	118.72 2.09 -56.95	117.50 2.09 -57.33	116.37 2.07 -56.77	117.33 2.03 -58.73	124.36 2.61 -53.00	143.89 2.55 -70.46	139.65 2.42 -69.83	130.98 2.38 -60.61	123.25 2.06 -60.68	116.79 2.04 -58.14	111.20 2.09 -52.72	112.09 2.53 -53.28
FORT_DRUM_COGEN 23780	57.87 0.22 -1.43	57.12 0.00 -1.03	56.93 -0.06 -0.83	57.09 0.11 -0.82	57.24 0.11 -0.92	58.14 0.23 -1.53	64.82 1.34 -2.78	66.83 1.65 -4.17	71.02 1.80 -2.73	72.53 1.71 -2.48	72.93 1.66 -2.21	66.51 1.50 -2.49	63.53 1.43 -2.41	61.84 1.34 -2.43	61.31 1.38 -2.40	60.52 1.47 -2.49	72.99 1.99 -2.25	76.07 2.20 -2.99	72.52 2.16 -2.96	72.47 1.90 -2.57	64.72 1.63 -2.58	60.50 1.42 -2.47	59.75 1.13 -2.24	59.43 0.90 -2.26
FOX_HILLS___ESR 323835	88.82 5.06 -27.55	80.76 4.82 -19.84	76.98 4.77 -16.05	76.66 4.72 -15.79	78.55 4.72 -17.62	90.59 4.68 -29.53	119.58 5.34 -53.54	146.94 5.67 -80.25	142.01 6.32 -69.20	135.91 6.49 -61.08	172.01 6.98 -95.98	172.67 6.31 -103.84	173.59 5.85 -108.05	173.94 5.63 -110.22	174.24 5.58 -111.14	174.13 5.49 -112.08	191.06 6.87 -115.43	193.38 7.30 -115.19	175.51 7.08 -101.04	200.06 6.93 -125.14	171.72 6.17 -105.04	198.94 5.60 -136.72	147.02 5.36 -85.28	120.42 4.95 -59.20
FPL_FAR_ROCK_GT1 24212	97.25 6.02 -35.02	88.77 5.78 -26.90	77.93 5.73 -16.04	77.66 5.73 -15.77	88.65 5.74 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.31	151.86 7.26 -83.59	150.82 8.04 -76.29	147.96 8.20 -71.43	149.22 8.35 -71.81	150.72 7.62 -80.57	148.97 7.22 -82.07	150.55 6.97 -85.51	150.42 6.78 -86.11	148.87 6.61 -85.69	152.23 8.38 -75.09	156.21 8.86 -76.47	155.06 8.49 -79.17	153.81 8.43 -77.40	151.07 7.32 -83.24	148.64 6.62 -85.40	139.18 6.37 -76.43	109.91 6.08 -47.56
FPL_FAR_ROCK_GT2 23815	97.25 6.02 -35.02	88.77 5.78 -26.90	77.93 5.73 -16.04	77.66 5.73 -15.77	88.65 5.74 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.31	151.86 7.26 -83.59	150.82 8.04 -76.29	147.96 8.20 -71.43	149.22 8.35 -71.81	150.72 7.62 -80.57	148.97 7.22 -82.07	150.55 6.97 -85.51	150.42 6.78 -86.11	148.87 6.61 -85.69	152.23 8.38 -75.09	156.21 8.86 -76.47	155.06 8.49 -79.17	153.81 8.43 -77.40	151.07 7.32 -83.24	148.64 6.62 -85.40	139.18 6.37 -76.43	109.91 6.08 -47.56



FRANKLIN_FALL_HYD 24054	56.55 0.34 0.00	56.48 0.39 0.00	56.55 0.39 0.00	56.61 0.45 0.00	56.66 0.45 0.00	56.67 0.28 0.00	59.97 -0.73 0.00	60.71 -0.31 0.00	66.15 -0.33 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.98 0.30 0.00	58.31 0.23 0.00	57.81 0.29 0.00	56.84 0.28 0.00	68.06 -0.69 0.00	69.96 -0.92 0.00	66.12 -1.28 0.00	66.56 -1.43 0.00	59.18 -1.33 0.00	55.82 -0.79 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00
FREEPORT_EQUS_GT1 23764	96.91 5.68 -35.02	88.50 5.50 -26.90	77.64 5.45 -16.04	77.32 5.39 -15.77	88.37 5.45 -26.71	112.19 5.64 -50.16	147.68 6.68 -80.30	151.43 6.83 -83.59	150.35 7.58 -76.28	147.41 7.65 -71.43	148.66 7.80 -71.80	150.15 7.06 -80.57	148.44 6.68 -82.07	150.03 6.45 -85.51	149.90 6.27 -86.10	148.42 6.17 -85.69	151.67 7.83 -75.09	155.64 8.29 -76.47	154.51 7.95 -79.16	153.26 7.88 -77.39	150.64 6.90 -83.23	148.24 6.23 -85.40	138.85 6.04 -76.43	109.57 5.74 -47.56
FREEPORT___CT2 23818	96.91 5.68 -35.02	88.50 5.50 -26.90	77.64 5.45 -16.04	77.32 5.39 -15.77	88.37 5.45 -26.71	112.19 5.64 -50.16	147.68 6.68 -80.30	151.43 6.83 -83.59	150.35 7.58 -76.28	147.41 7.65 -71.43	148.66 7.80 -71.80	150.15 7.06 -80.57	148.44 6.68 -82.07	150.03 6.45 -85.51	149.90 6.27 -86.10	148.42 6.17 -85.69	151.67 7.83 -75.09	155.64 8.29 -76.47	154.51 7.95 -79.16	153.26 7.88 -77.39	150.64 6.90 -83.23	148.24 6.23 -85.40	138.85 6.04 -76.43	109.57 5.74 -47.56
FRESHKLS_33_KV_LOAD 356253	88.71 4.95 -27.55	80.65 4.71 -19.84	76.87 4.66 -16.05	76.55 4.60 -15.79	78.44 4.61 -17.62	90.42 4.51 -29.53	119.38 5.16 -53.52	146.76 5.49 -80.25	141.87 6.18 -69.20	125.68 6.29 -51.06	171.81 6.77 -95.98	172.48 6.13 -103.84	173.41 5.67 -108.05	173.76 5.46 -110.22	174.07 5.41 -111.14	173.96 5.32 -112.08	190.99 6.81 -115.43	193.31 7.23 -115.19	175.45 7.01 -101.04	199.99 6.87 -125.14	171.60 6.05 -105.04	198.82 5.49 -136.72	146.91 5.24 -85.28	120.31 4.84 -59.20
FULTON COGEN____ 23766	57.07 -1.35 -2.21	56.22 -1.46 -1.59	56.04 -1.40 -1.29	55.96 -1.46 -1.26	56.27 -1.35 -1.41	57.45 -1.30 -2.37	64.20 -0.79 -4.29	66.71 -0.73 -6.43	69.84 -0.86 -4.21	71.34 -0.82 -3.83	71.64 -0.83 -3.41	65.60 -0.75 -3.83	62.51 -0.90 -3.72	60.95 -0.87 -3.74	60.37 -0.86 -3.71	59.49 -0.90 -3.83	71.46 -0.76 -3.47	74.79 -0.71 -4.61	71.29 -0.67 -4.57	71.14 -0.82 -3.97	63.70 -0.79 -3.97	59.52 -0.91 -3.81	58.71 -1.13 -3.45	58.58 -1.18 -3.49
FULTON___LFGE 323630	100.21 5.45 -38.55	89.12 5.27 -27.76	83.95 5.34 -22.45	83.63 5.39 -22.09	86.48 5.62 -24.65	103.74 6.04 -41.32	143.43 7.77 -74.96	181.68 8.36 -112.31	149.09 8.97 -73.63	144.53 9.29 -66.90	138.27 9.67 -59.54	138.04 8.57 -66.95	132.49 7.88 -64.93	131.17 7.73 -65.37	129.91 7.65 -64.73	131.73 8.20 -66.97	139.23 10.04 -60.44	161.94 10.70 -80.35	156.87 9.84 -79.64	147.12 10.00 -69.13	138.30 8.59 -69.20	131.01 8.10 -66.30	123.84 7.33 -60.13	123.67 6.64 -60.76
G.F.CEMENT___DRP 24184	95.16 3.88 -35.07	85.10 3.76 -25.25	80.40 3.82 -20.43	80.07 3.82 -20.09	82.57 3.93 -22.42	98.03 4.06 -37.59	133.87 4.98 -68.19	168.36 5.19 -102.16	139.25 5.78 -66.98	135.34 6.15 -60.86	129.51 6.28 -54.16	129.05 5.63 -60.90	124.00 5.25 -59.06	122.60 5.05 -59.46	121.36 4.95 -58.89	122.51 5.03 -60.92	129.99 6.26 -54.99	150.58 6.59 -73.10	146.05 6.20 -72.45	137.14 6.26 -62.89	128.91 5.45 -62.96	121.85 4.93 -60.31	115.70 4.62 -54.70	115.82 4.28 -55.27
GARDENVILLE___LBMP 24039	56.78 -3.88 -4.45	55.20 -4.09 -3.20	54.99 -3.76 -2.59	54.89 -3.82 -2.55	55.46 -3.60 -2.84	57.71 -3.44 -4.77	67.16 -2.19 -8.65	70.56 -3.42 -12.96	70.53 -4.45 -8.50	71.61 -4.44 -7.72	71.37 -4.56 -6.87	66.12 -4.13 -7.73	62.46 -4.72 -7.49	61.09 -4.53 -7.54	60.51 -4.49 -7.47	59.71 -4.58 -7.73	71.46 -4.26 -6.97	75.69 -4.47 -9.27	72.47 -4.11 -9.19	71.61 -4.35 -7.98	64.26 -4.24 -7.98	59.96 -4.30 -7.65	58.59 -4.74 -6.94	59.01 -4.28 -7.01
GARDNVLA_35_KV_LD 355827	57.01 -3.65 -4.45	55.43 -3.87 -3.21	55.21 -3.54 -2.59	55.06 -3.65 -2.55	55.63 -3.43 -2.85	57.94 -3.21 -4.77	67.41 -1.94 -8.66	70.88 -3.11 -12.97	70.80 -4.19 -8.50	71.96 -4.10 -7.73	71.65 -4.28 -6.88	66.44 -3.81 -7.73	62.77 -4.42 -7.50	61.39 -4.24 -7.55	60.80 -4.20 -7.48	60.00 -4.30 -7.73	71.81 -3.92 -6.98	76.05 -4.11 -9.28	72.82 -3.77 -9.20	71.89 -4.08 -7.98	64.57 -3.93 -7.99	60.20 -4.08 -7.66	58.87 -4.45 -6.94	59.24 -4.05 -7.02
GELCKHM___115KV_LOAD 80723	57.83 -0.90 -2.52	56.90 -1.01 -1.82	56.67 -0.95 -1.47	56.59 -1.01 -1.44	56.92 -0.90 -1.61	58.30 -0.79 -2.70	65.30 -0.30 -4.90	68.12 -0.24 -7.34	70.90 -0.40 -4.82	72.37 -0.34 -4.38	72.61 -0.35 -3.89	66.52 -0.38 -4.38	63.39 -0.54 -4.25	61.83 -0.52 -4.28	61.24 -0.52 -4.23	60.37 -0.57 -4.38	72.38 -0.34 -3.97	75.88 -0.28 -5.28	72.36 -0.27 -5.23	72.19 -0.34 -4.54	64.63 -0.42 -4.55	60.41 -0.57 -4.36	59.54 -0.79 -3.95	59.42 -0.84 -3.99
GENERAL___MILLS 23808	56.90 -3.77 -4.45	55.31 -3.98 -3.21	55.10 -3.65 -2.59	54.94 -3.76 -2.55	55.52 -3.54 -2.85	57.77 -3.38 -4.77	67.29 -2.06 -8.66	70.69 -3.29 -12.97	70.67 -4.32 -8.50	71.75 -4.31 -7.72	71.51 -4.42 -6.87	66.25 -4.00 -7.73	62.59 -4.60 -7.50	61.21 -4.41 -7.55	60.63 -4.37 -7.47	59.82 -4.47 -7.73	71.60 -4.12 -6.98	75.84 -4.32 -9.28	72.61 -3.98 -9.19	71.75 -4.22 -7.98	64.38 -4.11 -7.99	60.08 -4.19 -7.66	58.70 -4.62 -6.94	59.12 -4.16 -7.02
GE_PLASTICS___DRP 24183	92.40 2.36 -33.82	82.81 2.36 -24.36	78.22 2.36 -19.70	77.89 2.36 -19.38	80.20 2.36 -21.63	95.01 2.37 -36.26	128.78 2.31 -65.78	161.76 2.20 -98.54	133.69 2.59 -64.61	129.70 2.67 -58.70	124.00 2.69 -52.24	123.64 2.38 -58.75	118.93 2.27 -56.97	117.64 2.21 -57.36	116.57 2.24 -56.80	117.47 2.15 -58.76	124.54 2.75 -53.04	144.17 2.76 -70.51	139.91 2.63 -69.89	131.31 2.65 -60.66	123.54 2.30 -60.73	116.94 2.15 -58.17	111.34 2.20 -52.75	111.78 2.19 -53.31
GILBOA___1 23756	85.19 2.14 -26.85	77.50 2.08 -19.33	73.93 2.13 -15.64	73.67 2.13 -15.38	75.51 2.14 -17.16	87.36 2.20 -28.78	115.57 2.67 -52.20	141.85 2.62 -78.21	120.69 2.92 -51.28	117.93 3.00 -46.59	113.56 3.04 -41.46	111.89 2.75 -46.62	107.47 2.56 -45.22	106.04 2.44 -45.52	105.02 2.42 -45.08	105.52 2.32 -46.64	113.86 3.02 -42.09	129.82 2.98 -55.96	125.69 2.83 -55.46	118.99 2.86 -48.14	111.18 2.48 -48.19	105.17 2.38 -46.17	100.52 2.26 -41.87	100.73 2.14 -42.32
GILBOA___2 23757	85.19 2.14 -26.85	77.50 2.08 -19.33	73.93 2.13 -15.64	73.67 2.13 -15.38	75.51 2.14 -17.16	87.36 2.20 -28.78	115.57 2.67 -52.20	141.85 2.62 -78.21	120.69 2.92 -51.28	117.93 3.00 -46.59	113.56 3.04 -41.46	111.89 2.75 -46.62	107.47 2.56 -45.22	106.04 2.44 -45.52	105.02 2.42 -45.08	105.52 2.32 -46.64	113.86 3.02 -42.09	129.82 2.98 -55.96	125.69 2.83 -55.46	118.99 2.86 -48.14	111.18 2.48 -48.19	105.17 2.38 -46.17	100.52 2.26 -41.87	100.73 2.14 -42.32
GILBOA___3 23758	85.19 2.14 -26.85	77.50 2.08 -19.33	73.93 2.13 -15.64	73.67 2.13 -15.38	75.51 2.14 -17.16	87.36 2.20 -28.78	115.57 2.67 -52.20	141.85 2.62 -78.21	120.69 2.92 -51.28	117.93 3.00 -46.59	113.56 3.04 -41.46	111.89 2.75 -46.62	107.47 2.56 -45.22	106.04 2.44 -45.52	105.02 2.42 -45.08	105.52 2.32 -46.64	113.86 3.02 -42.09	129.82 2.98 -55.96	125.69 2.83 -55.46	118.99 2.86 -48.14	111.18 2.48 -48.19	105.17 2.38 -46.17	100.52 2.26 -41.87	100.73 2.14 -42.32



GILBOA___4 23759	85.19 2.14 -26.85	77.50 2.08 -19.33	73.93 2.13 -15.64	73.67 2.13 -15.38	75.51 2.14 -17.16	87.36 2.20 -28.78	115.57 2.67 -52.20	141.85 2.62 -78.21	120.69 2.92 -51.28	117.93 3.00 -46.59	113.56 3.04 -41.46	111.89 2.75 -46.62	107.47 2.56 -45.22	106.04 2.44 -45.52	105.02 2.42 -45.08	105.52 2.32 -46.64	113.86 3.02 -42.09	129.82 2.98 -55.96	125.69 2.83 -55.46	118.99 2.86 -48.14	111.18 2.48 -48.19	105.17 2.38 -46.17	100.52 2.26 -41.87	100.73 2.14 -42.32
GILBOA___ 23599	85.19 2.14 -26.85	77.50 2.08 -19.33	73.93 2.13 -15.64	73.67 2.13 -15.38	75.51 2.14 -17.16	87.36 2.20 -28.78	115.57 2.67 -52.20	141.85 2.62 -78.21	120.69 2.93 -51.28	117.93 3.01 -46.59	113.56 3.04 -41.46	111.90 2.75 -46.62	107.41 2.51 -45.22	106.04 2.44 -45.52	105.02 2.42 -45.08	105.52 2.32 -46.64	113.87 3.02 -42.10	129.82 2.98 -55.96	125.69 2.83 -55.46	118.99 2.86 -48.14	111.19 2.48 -48.19	105.17 2.38 -46.17	100.51 2.26 -41.87	100.73 2.14 -42.32
GINNA___ 23603	55.49 -3.94 -3.21	54.31 -4.09 -2.31	53.98 -4.04 -1.87	53.95 -4.04 -1.84	54.39 -3.88 -2.05	56.44 -3.38 -3.44	64.21 -2.73 -6.24	67.20 -3.18 -9.36	68.90 -3.72 -6.13	70.15 -3.76 -5.57	70.22 -3.80 -4.96	64.60 -3.50 -5.58	61.75 -3.34 -5.41	59.98 -3.54 -5.45	59.30 -3.62 -5.39	58.46 -3.68 -5.58	70.15 -3.65 -5.05	73.91 -3.69 -6.71	70.54 -3.51 -6.65	70.09 -3.67 -5.77	62.72 -3.57 -5.78	58.47 -3.68 -5.54	57.46 -3.95 -5.02	57.35 -3.99 -5.08
GLEN PARK___ 23778	58.14 0.45 -1.48	57.38 0.23 -1.06	57.13 0.11 -0.86	57.29 0.28 -0.85	57.44 0.28 -0.95	58.47 0.51 -1.58	65.33 1.76 -2.87	67.40 2.08 -4.31	71.57 2.26 -2.82	73.08 2.19 -2.57	73.49 2.14 -2.28	67.03 1.94 -2.57	63.91 1.73 -2.49	62.21 1.62 -2.51	61.73 1.72 -2.48	60.94 1.81 -2.57	73.62 2.55 -2.32	76.74 2.76 -3.09	73.16 2.70 -3.06	73.09 2.44 -2.66	65.29 2.12 -2.66	60.98 1.81 -2.55	60.16 1.46 -2.31	59.84 1.24 -2.34
GLENDALE_27_KV_LOAD 356172	88.99 5.23 -27.55	80.98 5.05 -19.84	77.21 5.00 -16.05	76.89 4.94 -15.79	78.78 4.95 -17.62	90.93 5.02 -29.53	120.21 5.95 -53.56	147.55 6.28 -80.25	142.60 6.91 -69.20	150.56 7.04 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.72 7.28 -101.04	200.41 7.27 -125.14	171.90 6.35 -105.04	199.13 5.77 -136.74	147.19 5.53 -85.28	120.70 5.23 -59.20
GLENWOOD_IC_1_G5 23712	96.74 5.51 -35.02	88.32 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.26 5.34 -26.71	111.96 5.41 -50.16	147.49 6.49 -80.30	151.31 6.71 -83.58	150.22 7.45 -76.28	147.34 7.59 -71.42	148.60 7.73 -71.80	150.15 7.06 -80.57	148.26 6.51 -82.07	149.91 6.33 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.53 8.08 -75.08	155.42 7.75 -76.45	154.30 7.75 -79.15	153.05 7.68 -77.38	150.51 6.78 -83.22	148.12 6.11 -85.39	138.67 5.86 -76.42	109.40 5.57 -47.55
GLENWOOD_IC_2_G1 23688	96.58 5.34 -35.02	88.15 5.16 -26.90	77.36 5.16 -16.04	77.04 5.11 -15.77	88.08 5.17 -26.71	111.85 5.30 -50.16	147.31 6.31 -80.30	151.07 6.46 -83.58	149.95 7.18 -76.28	147.07 7.32 -71.42	148.32 7.46 -71.80	149.84 6.75 -80.57	148.14 6.39 -82.07	149.74 6.15 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.27 7.43 -75.09	155.15 7.80 -76.47	154.04 7.48 -79.16	152.79 7.41 -77.39	150.28 6.54 -83.23	147.90 5.89 -85.39	138.50 5.69 -76.43	109.23 5.40 -47.55
GLENWOOD_IC_3_G1 23689	96.58 5.34 -35.02	88.15 5.16 -26.90	77.36 5.16 -16.04	77.04 5.11 -15.77	88.08 5.17 -26.71	111.85 5.30 -50.16	147.31 6.31 -80.30	151.07 6.46 -83.58	149.95 7.18 -76.28	147.07 7.32 -71.42	148.32 7.46 -71.80	149.84 6.75 -80.57	148.14 6.39 -82.07	149.74 6.15 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.27 7.43 -75.09	155.15 7.80 -76.47	154.04 7.48 -79.16	152.79 7.41 -77.39	150.28 6.54 -83.23	147.90 5.89 -85.39	138.50 5.69 -76.43	109.23 5.40 -47.55
GLENWOOD___4 23550	96.74 5.51 -35.02	88.32 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.26 5.34 -26.71	111.96 5.41 -50.16	147.49 6.49 -80.30	151.31 6.71 -83.58	150.22 7.45 -76.28	147.34 7.59 -71.42	148.60 7.73 -71.80	150.15 7.06 -80.57	148.26 6.51 -82.07	149.91 6.33 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.53 8.08 -75.08	155.42 7.75 -76.45	154.30 7.75 -79.15	153.05 7.68 -77.38	150.51 6.78 -83.22	148.12 6.11 -85.39	138.67 5.86 -76.42	109.40 5.57 -47.55
GLENWOOD___5 23614	96.74 5.51 -35.02	88.32 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.26 5.34 -26.71	111.96 5.41 -50.16	147.49 6.49 -80.30	151.31 6.71 -83.58	150.22 7.45 -76.28	147.34 7.59 -71.42	148.60 7.73 -71.80	150.15 7.06 -80.57	148.26 6.51 -82.07	149.91 6.33 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.53 8.08 -75.08	155.42 7.75 -76.45	154.30 7.75 -79.15	153.05 7.68 -77.38	150.51 6.78 -83.22	148.12 6.11 -85.39	138.67 5.86 -76.42	109.40 5.57 -47.55
GLOBAL GREEN_PORT_GT1 23814	98.88 7.64 -35.02	90.79 7.79 -26.90	80.17 7.97 -16.04	79.90 7.97 -15.77	90.79 7.87 -26.71	114.55 8.00 -50.16	150.53 9.53 -80.30	154.85 10.25 -83.58	153.00 10.23 -76.28	148.92 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.80 8.05 -82.07	151.42 7.84 -85.50	151.39 7.76 -86.10	149.83 7.58 -85.69	153.53 9.70 -75.09	157.62 10.27 -76.46	156.47 9.91 -79.16	155.24 9.86 -77.39	152.33 8.59 -83.23	149.71 7.70 -85.39	140.08 7.28 -76.42	110.97 7.15 -47.55
GLOBE___DSASP 323697	54.92 -5.40 -4.10	53.49 -5.55 -2.96	53.27 -5.28 -2.39	53.12 -5.39 -2.35	53.66 -5.17 -2.62	55.76 -5.02 -4.40	64.55 -4.13 -7.98	67.48 -5.49 -11.96	67.54 -6.78 -7.84	68.62 -6.83 -7.12	68.35 -7.04 -6.34	63.33 -6.31 -7.13	59.85 -6.74 -6.91	58.53 -6.50 -6.96	58.03 -6.39 -6.89	57.24 -6.45 -7.13	68.65 -6.53 -6.44	72.49 -6.95 -8.56	69.41 -6.47 -8.48	68.62 -6.73 -7.36	61.59 -6.29 -7.37	57.51 -6.17 -7.06	56.30 -6.48 -6.40	56.72 -6.02 -6.47
GOETHSLN___LBMP 323567	88.14 4.38 -27.54	80.08 4.15 -19.83	76.36 4.16 -16.04	76.04 4.10 -15.78	77.92 4.10 -17.61	90.14 4.23 -29.52	119.27 5.04 -53.53	137.46 5.25 -71.20	134.46 5.92 -62.06	125.41 6.01 -51.06	142.57 6.15 -67.36	121.25 5.56 -53.17	120.13 5.13 -55.31	120.19 4.99 -57.12	120.25 4.95 -57.78	120.25 4.81 -58.88	118.24 6.12 -43.37	117.17 6.38 -39.90	117.24 6.20 -43.64	117.24 6.12 -43.13	117.99 5.39 -52.09	118.52 4.81 -57.10	124.27 4.62 -63.26	117.03 4.39 -56.37
GOLAH___69_KV_TB 1_2 80279	57.72 -1.85 -3.36	56.61 -1.91 -2.42	56.32 -1.80 -1.96	56.17 -1.91 -1.93	56.68 -1.69 -2.15	58.58 -1.41 -3.61	67.12 -0.12 -6.54	69.78 -1.04 -9.80	71.32 -1.60 -6.43	72.53 -1.64 -5.84	72.32 -1.93 -5.20	66.61 -1.75 -5.84	63.14 -2.21 -5.67	61.69 -2.09 -5.70	61.10 -2.07 -5.65	60.14 -2.26 -5.84	72.31 -1.72 -5.28	76.06 -1.84 -7.02	72.74 -1.62 -6.96	72.19 -1.84 -6.04	64.50 -2.06 -6.05	60.09 -2.32 -5.79	59.10 -2.54 -5.26	59.22 -2.36 -5.31
GOODYEAR_LAKE_HYD 323669	67.33 2.36 -8.76	64.64 2.24 -6.31	63.45 2.19 -5.10	63.42 2.25 -5.02	64.12 2.30 -5.60	68.25 2.48 -9.39	81.43 3.70 -17.03	90.37 3.84 -25.51	87.40 4.19 -16.73	87.77 4.24 -15.20	86.94 4.35 -13.53	81.61 3.88 -15.21	77.84 3.40 -14.75	76.24 3.31 -14.85	75.51 3.28 -14.71	75.00 3.22 -15.21	86.73 4.26 -13.72	93.66 4.54 -18.24	89.92 4.45 -18.08	88.03 4.35 -15.69	79.97 3.75 -15.71	75.06 3.40 -15.05	73.02 2.99 -13.65	72.82 2.76 -13.79



GOUDEY_115_KV_TB6_REV_LBMP_C 345031	65.10 -0.06 -8.94	62.36 -0.17 -6.44	61.31 -0.06 -5.21	61.22 -0.06 -5.12	61.93 0.00 -5.72	66.08 0.11 -9.58	79.06 0.97 -17.39	87.92 0.85 -26.05	84.23 0.66 -17.08	84.53 0.68 -15.52	83.49 0.62 -13.81	78.61 0.56 -15.53	74.98 0.24 -15.06	73.47 0.23 -15.16	72.77 0.23 -15.01	72.26 0.17 -15.53	83.51 0.76 -14.00	90.28 0.78 -18.61	86.72 0.88 -18.45	84.68 0.68 -16.01	77.02 0.48 -16.03	72.26 0.28 -15.36	70.26 -0.06 -13.93	70.35 0.00 -14.08
GOUDEY___7 23579	65.15 0.00 -8.94	62.42 -0.11 -6.44	61.36 0.00 -5.21	61.28 0.00 -5.12	61.98 0.06 -5.72	66.14 0.17 -9.58	79.12 1.03 -17.39	87.98 0.92 -26.05	84.30 0.73 -17.08	84.60 0.75 -15.52	83.56 0.69 -13.81	78.67 0.63 -15.53	75.04 0.30 -15.06	73.53 0.29 -15.16	72.83 0.29 -15.01	72.32 0.23 -15.53	83.57 0.82 -14.00	90.42 0.92 -18.61	86.79 0.94 -18.45	84.75 0.75 -16.01	77.08 0.54 -16.03	72.32 0.34 -15.36	70.31 0.00 -13.93	70.41 0.06 -14.08
GOUDEY___8 23580	65.10 -0.06 -8.94	62.36 -0.17 -6.44	61.31 -0.06 -5.21	61.22 -0.06 -5.12	61.93 0.00 -5.72	66.08 0.11 -9.58	79.06 0.97 -17.39	87.92 0.85 -26.05	84.23 0.66 -17.08	84.53 0.68 -15.52	83.49 0.62 -13.81	78.61 0.56 -15.53	74.98 0.24 -15.06	73.47 0.23 -15.16	72.77 0.23 -15.01	72.26 0.17 -15.53	83.51 0.76 -14.00	90.28 0.78 -18.61	86.72 0.88 -18.45	84.68 0.68 -16.01	77.02 0.48 -16.03	72.26 0.28 -15.36	70.26 -0.06 -13.93	70.35 0.00 -14.08
GOWANUS_GT1_1 24077	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_2 24078	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_3 24079	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_4 24080	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_5 24084	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_6 24111	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_7 24112	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT1_8 24113	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT2_1 24114	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_2 24115	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_3 24116	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_4 24117	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20



GOWANUS_GT2_5 24118	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_6 24119	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_7 24120	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT2_8 24121	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_1 24122	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_2 24123	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_3 24124	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_4 24125	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_5 24126	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_6 24127	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_7 24128	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT3_8 24129	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
GOWANUS_GT4_1 24130	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_2 24131	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_3 24132	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20



GOWANUS_GT4_4 24133	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_5 24134	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_6 24135	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_7 24136	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GOWANUS_GT4_8 24137	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GREENBSH_115KV_TB3 55895	92.66 2.47 -33.97	83.02 2.47 -24.47	78.47 2.53 -19.79	78.09 2.47 -19.46	80.46 2.53 -21.72	95.28 2.48 -36.42	128.89 2.12 -66.06	162.00 2.01 -98.97	133.77 2.39 -64.89	129.75 2.46 -58.96	124.09 2.56 -52.47	123.77 2.25 -59.00	119.06 2.15 -57.22	117.84 2.15 -57.61	116.70 2.13 -57.05	117.67 2.09 -59.02	124.64 2.61 -53.27	144.33 2.62 -70.82	140.02 2.43 -70.19	131.37 2.45 -60.93	123.62 2.12 -60.99	117.08 2.04 -58.42	111.51 2.14 -52.99	112.07 2.25 -53.54
GREENDGE_115KV_TB5 80291	61.17 -0.51 -5.46	59.29 -0.73 -3.93	58.78 -0.56 -3.18	58.72 -0.56 -3.13	59.37 -0.34 -3.49	62.07 -0.17 -5.85	72.47 1.15 -10.62	77.96 1.04 -15.91	77.65 0.73 -10.43	78.56 0.75 -9.48	78.12 0.62 -8.43	72.51 0.50 -9.48	68.88 0.00 -9.20	67.28 -0.06 -9.26	66.64 -0.06 -9.17	65.93 -0.11 -9.49	78.05 0.76 -8.55	83.24 0.99 -11.36	79.74 1.08 -11.26	78.58 0.82 -9.77	70.66 0.36 -9.78	66.05 0.06 -9.38	64.44 -0.45 -8.50	64.42 -0.45 -8.59
GREENIDGE___3 23582	61.17 -0.51 -5.46	59.29 -0.73 -3.93	58.78 -0.56 -3.18	58.72 -0.56 -3.13	59.37 -0.34 -3.49	62.07 -0.17 -5.85	72.47 1.15 -10.62	77.96 1.04 -15.91	77.65 0.73 -10.43	78.56 0.75 -9.48	78.12 0.62 -8.43	72.51 0.50 -9.48	68.88 0.00 -9.20	67.28 -0.06 -9.26	66.64 -0.06 -9.17	65.93 -0.11 -9.49	78.05 0.76 -8.55	83.24 0.99 -11.36	79.74 1.08 -11.26	78.58 0.82 -9.77	70.66 0.36 -9.78	66.05 0.06 -9.38	64.44 -0.45 -8.50	64.42 -0.45 -8.59
GREENIDGE___4 23583	61.17 -0.51 -5.46	59.29 -0.73 -3.93	58.78 -0.56 -3.18	58.72 -0.56 -3.13	59.37 -0.34 -3.49	62.35 0.11 -5.85	72.47 1.15 -10.62	77.96 1.04 -15.91	77.65 0.73 -10.43	78.56 0.75 -9.48	78.11 0.62 -8.43	72.50 0.50 -9.48	69.30 0.42 -9.20	67.46 0.12 -9.26	66.64 -0.06 -9.17	65.93 -0.11 -9.49	78.05 0.76 -8.55	83.24 0.99 -11.36	79.73 1.08 -11.26	78.58 0.82 -9.78	70.66 0.37 -9.79	66.05 0.06 -9.38	64.43 -0.45 -8.50	64.41 -0.45 -8.59
GREENLWN_69_KV_BK 3 55738	96.18 4.95 -35.02	87.76 4.77 -26.90	76.91 4.72 -16.04	76.65 4.72 -15.77	87.64 4.72 -26.71	111.40 4.85 -50.16	146.52 5.52 -80.30	149.91 5.31 -83.58	148.82 6.05 -76.28	146.32 6.56 -71.42	147.28 6.42 -71.80	148.78 5.69 -80.57	147.18 5.43 -82.07	148.69 5.11 -85.50	148.69 5.06 -86.10	147.28 5.03 -85.69	149.94 6.12 -75.08	153.50 6.17 -76.44	152.47 5.93 -79.14	151.42 6.05 -77.38	149.24 5.51 -83.22	147.16 5.15 -85.39	138.05 5.24 -76.42	108.78 4.95 -47.55
GREENWD_138_KV_38B11_REV_LBMP_J 345004	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20
GRISSOM___SOLAR 323813	100.21 5.45 -38.55	89.12 5.27 -27.76	83.95 5.34 -22.45	83.63 5.39 -22.09	86.48 5.62 -24.65	103.74 6.04 -41.32	143.43 7.77 -74.96	181.68 8.36 -112.31	149.09 8.97 -73.63	144.53 9.29 -66.90	138.27 9.67 -59.54	138.04 8.57 -66.95	132.49 7.88 -64.93	131.17 7.73 -65.37	129.91 7.65 -64.73	131.73 8.20 -66.97	139.23 10.04 -60.44	161.94 10.70 -80.35	156.87 9.84 -79.64	147.12 10.00 -69.13	138.30 8.59 -69.20	131.01 8.10 -66.30	123.84 7.33 -60.13	123.67 6.64 -60.76
GROVEVILLE___HYD 323602	88.74 4.72 -27.81	80.61 4.49 -20.03	76.85 4.49 -16.20	76.58 4.49 -15.93	78.43 4.44 -17.78	90.70 4.51 -29.81	120.54 5.77 -54.08	147.83 5.80 -81.02	126.12 6.52 -53.12	123.09 6.49 -48.26	118.57 6.56 -42.95	116.70 5.88 -48.30	111.96 5.43 -46.84	110.47 5.23 -47.16	109.41 5.18 -46.70	109.96 5.09 -48.31	118.68 6.32 -43.61	135.66 6.81 -57.97	131.39 6.54 -57.46	124.32 6.46 -49.88	116.13 5.69 -49.93	109.13 5.04 -47.48	104.18 4.74 -43.06	104.29 4.50 -43.51
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.15 -0.62 -1.61	57.50 -0.51 -1.79	58.99 -0.39 -3.01	66.39 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.40 0.20 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.41 0.00 -4.72	62.78 -0.06 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.27 -4.42	77.12 0.35 -5.88	73.63 0.40 -5.83	73.32 0.27 -5.06	65.64 0.06 -5.06	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45
HAMLTNNY_34_KV_TB 80303	58.74 -0.45 -2.98	57.67 -0.56 -2.14	57.38 -0.51 -1.73	57.36 -0.51 -1.71	57.66 -0.45 -1.90	59.29 -0.28 -3.19	66.91 0.42 -5.79	70.11 0.43 -8.67	72.50 0.33 -5.68	73.84 0.34 -5.16	74.00 0.35 -4.60	68.00 0.31 -5.17	64.76 0.06 -5.01	63.18 0.06 -5.05	62.58 0.06 -5.00	61.67 -0.06 -5.17	73.86 0.41 -4.70	77.70 0.57 -6.25	74.13 0.54 -6.20	73.78 0.41 -5.38	66.08 0.18 -5.38	61.78 0.00 -5.16	60.78 -0.28 -4.68	60.61 -0.39 -4.73



HAMPSHIRE___PAPER_HYD 323593	55.96 -1.01 -0.75	55.57 -1.07 -0.54	55.47 -1.12 -0.44	55.58 -1.01 -0.43	55.68 -1.01 -0.48	55.95 -1.24 -0.81	60.47 -1.70 -1.47	61.81 -1.40 -2.20	66.47 -1.46 -1.44	68.07 -1.57 -1.31	68.57 -1.66 -1.17	62.40 -1.44 -1.31	59.64 -1.31 -1.27	58.43 -0.93 -1.28	58.11 -0.69 -1.27	57.25 -0.62 -1.31	68.36 -1.58 -1.19	70.90 -1.56 -1.58	67.41 -1.55 -1.56	67.71 -1.63 -1.36	60.41 -1.45 -1.36	57.07 -0.85 -1.30	56.94 -0.62 -1.18	56.73 -0.73 -1.19
HARDSCRABBLE_WT_PWR 323673	59.24 3.03 0.00	59.06 2.97 0.00	59.13 2.97 0.00	59.13 2.97 0.00	59.19 2.98 0.00	59.48 3.10 0.00	64.28 3.58 0.00	64.55 3.54 0.00	70.34 3.85 0.00	72.36 4.03 0.00	73.13 4.07 0.00	66.34 3.81 0.00	63.33 3.64 0.00	61.56 3.48 0.00	60.80 3.28 0.00	59.73 3.17 0.00	72.53 3.78 0.00	74.64 3.75 0.00	70.90 3.50 0.00	71.39 3.40 0.00	63.41 2.90 0.00	59.22 2.61 0.00	58.92 2.54 0.00	58.64 2.36 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	85.90 3.77 -25.92	78.35 3.59 -18.67	74.91 3.65 -15.10	74.60 3.59 -14.85	76.38 3.60 -16.58	87.84 3.66 -27.79	115.72 4.61 -50.41	141.24 4.70 -75.53	121.19 5.19 -49.52	118.52 5.19 -44.99	114.76 5.25 -40.45	112.30 4.75 -45.02	107.71 4.36 -43.67	106.28 4.24 -43.96	105.26 4.20 -43.53	105.73 4.13 -45.04	114.69 5.29 -40.65	130.97 5.60 -54.48	126.77 5.46 -53.91	120.32 5.37 -46.96	111.71 4.66 -46.54	105.46 4.19 -44.65	100.82 3.95 -40.49	100.91 3.71 -40.92
HARSNRAD_115KV_TB1 81005	55.54 -4.72 -4.05	54.07 -4.94 -2.91	53.91 -4.60 -2.36	53.76 -4.72 -2.32	54.30 -4.50 -2.59	56.44 -4.29 -4.34	65.47 -3.10 -7.87	68.35 -4.45 -11.79	68.63 -5.58 -7.73	69.75 -5.60 -7.02	69.51 -5.80 -6.25	64.36 -5.19 -7.03	60.77 -5.73 -6.82	59.42 -5.52 -6.86	58.91 -5.41 -6.79	58.10 -5.49 -7.03	69.73 -5.36 -6.35	73.65 -5.67 -8.44	70.50 -5.26 -8.36	69.74 -5.51 -7.26	62.51 -5.26 -7.26	58.31 -5.27 -6.96	57.06 -5.64 -6.31	57.48 -5.18 -6.38
HARZA MOOSE___RIVER 24016	58.40 1.18 -1.01	57.88 1.07 -0.73	57.75 1.01 -0.59	57.86 1.12 -0.58	57.98 1.12 -0.65	58.76 1.30 -1.08	64.79 2.12 -1.96	66.27 2.32 -2.94	70.94 2.53 -1.93	72.61 2.53 -1.75	72.90 2.28 -1.56	66.59 2.31 -1.75	63.59 2.21 -1.70	61.88 2.09 -1.71	61.29 2.07 -1.69	60.35 2.04 -1.75	72.94 2.61 -1.58	75.76 2.76 -2.11	72.18 2.70 -2.09	72.38 2.58 -1.81	64.56 2.24 -1.81	60.28 1.92 -1.74	59.71 1.75 -1.58	59.44 1.58 -1.59
HDSNBRDG_115KV_BRDG_TB1 355580	57.76 -1.01 -2.56	56.87 -1.07 -1.84	56.64 -1.01 -1.49	56.55 -1.07 -1.47	56.89 -0.96 -1.64	58.28 -0.85 -2.74	65.37 -0.30 -4.97	68.16 -0.31 -7.45	70.97 -0.40 -4.88	72.36 -0.41 -4.44	72.60 -0.41 -3.95	66.59 -0.38 -4.44	63.45 -0.54 -4.31	61.83 -0.58 -4.34	61.25 -0.58 -4.29	60.38 -0.62 -4.44	72.42 -0.34 -4.02	75.87 -0.35 -5.34	72.42 -0.27 -5.29	72.18 -0.41 -4.60	64.63 -0.48 -4.60	60.40 -0.62 -4.41	59.54 -0.85 -4.00	59.41 -0.90 -4.04
HELLGATE_13_KV_LD 55870	88.82 5.06 -27.55	80.82 4.88 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	120.03 5.77 -53.56	147.31 6.04 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	200.06 6.93 -125.13	171.60 6.05 -105.04	198.81 5.49 -136.71	146.91 5.24 -85.28	120.48 5.01 -59.20
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	88.82 5.06 -27.55	80.82 4.88 -19.84	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	120.03 5.77 -53.56	147.31 6.04 -80.25	142.27 6.58 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.88 5.58 -110.22	174.18 5.52 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.24 7.16 -115.19	175.31 6.87 -101.04	200.06 6.93 -125.13	171.60 6.05 -105.04	198.81 5.49 -136.71	146.91 5.24 -85.28	120.48 5.01 -59.20
HEMPSTEAD____ 23647	96.52 5.28 -35.02	88.10 5.10 -26.90	77.30 5.11 -16.04	76.99 5.06 -15.77	88.03 5.11 -26.71	111.85 5.30 -50.16	147.26 6.25 -80.30	151.07 6.46 -83.58	149.89 7.12 -76.28	147.07 7.32 -71.43	148.26 7.39 -71.80	149.78 6.69 -80.57	148.08 6.32 -82.07	149.68 6.10 -85.50	149.61 5.98 -86.10	148.08 5.83 -85.69	151.20 7.36 -75.09	155.15 7.80 -76.47	154.04 7.48 -79.16	152.79 7.41 -77.39	150.22 6.48 -83.23	147.84 5.83 -85.39	138.45 5.64 -76.43	109.18 5.35 -47.56
HEWLETT__69_KV_BK3 55828	96.97 5.73 -35.02	88.49 5.50 -26.90	77.64 5.45 -16.04	77.38 5.45 -15.77	88.37 5.45 -26.71	112.13 5.58 -50.16	147.68 6.68 -80.30	151.49 6.89 -83.58	150.35 7.58 -76.28	147.55 7.79 -71.42	148.80 7.94 -71.80	150.28 7.19 -80.57	148.43 6.68 -82.07	150.09 6.50 -85.50	150.07 6.44 -86.10	148.53 6.28 -85.69	151.73 7.91 -75.08	155.70 8.36 -76.45	154.57 8.02 -79.15	153.32 7.95 -77.38	150.69 6.96 -83.22	148.29 6.28 -85.39	138.84 6.03 -76.42	109.57 5.74 -47.55
HICKLING___1 23621	62.57 -0.67 -7.03	60.31 -0.84 -5.06	59.63 -0.62 -4.10	59.51 -0.67 -4.03	60.20 -0.51 -4.50	63.58 -0.34 -7.54	75.22 0.85 -13.68	82.05 0.55 -20.49	80.05 0.13 -13.43	80.67 0.14 -12.20	79.92 0.00 -10.86	74.73 0.00 -12.21	71.05 -0.48 -11.85	69.48 -0.52 -11.93	68.82 -0.52 -11.81	68.16 -0.62 -12.22	79.82 0.07 -11.00	85.73 0.21 -14.63	82.23 0.34 -14.50	80.64 0.07 -12.58	72.87 -0.24 -12.60	68.18 -0.51 -12.07	66.43 -0.90 -10.95	66.60 -0.73 -11.06
HICKLING___2 23622	62.57 -0.67 -7.03	60.31 -0.84 -5.06	59.63 -0.62 -4.10	59.51 -0.67 -4.03	60.20 -0.51 -4.50	63.58 -0.34 -7.54	75.22 0.85 -13.68	82.05 0.55 -20.49	80.05 0.13 -13.43	80.67 0.14 -12.20	79.92 0.00 -10.86	74.73 0.00 -12.21	71.05 -0.48 -11.85	69.48 -0.52 -11.93	68.82 -0.52 -11.81	68.16 -0.62 -12.22	79.82 0.07 -11.00	85.73 0.21 -14.63	82.23 0.34 -14.50	80.64 0.07 -12.58	72.87 -0.24 -12.60	68.18 -0.51 -12.07	66.43 -0.90 -10.95	66.60 -0.73 -11.06
HIGH FALLS___HY 23754	88.31 4.55 -27.55	80.19 4.26 -19.84	76.53 4.32 -16.05	76.21 4.27 -15.78	78.04 4.22 -17.61	90.26 4.34 -29.53	120.22 5.95 -53.57	147.32 6.04 -80.26	125.23 6.12 -52.62	122.16 6.01 -47.81	117.55 5.94 -42.55	115.75 5.38 -47.85	110.92 4.83 -46.41	109.50 4.70 -46.72	108.45 4.66 -46.26	109.00 4.58 -47.86	117.79 5.84 -43.20	134.70 6.38 -57.43	130.52 6.20 -56.92	123.52 6.12 -49.41	115.78 5.81 -49.46	108.91 5.15 -47.15	103.88 4.74 -42.76	103.87 4.39 -43.21
HILLBURN___GT 23639	86.31 3.82 -26.27	78.65 3.64 -18.92	75.16 3.71 -15.30	74.86 3.65 -15.05	76.66 3.65 -16.80	88.32 3.78 -28.16	116.39 4.61 -51.08	142.31 4.76 -76.53	121.85 5.19 -50.18	119.19 5.26 -45.59	115.43 5.32 -41.05	112.96 4.81 -45.62	108.41 4.48 -44.25	106.92 4.30 -44.55	105.84 4.20 -44.11	106.32 4.13 -45.64	115.21 5.22 -41.24	131.75 5.53 -55.33	127.53 5.39 -54.74	121.00 5.31 -47.71	112.38 4.66 -47.21	106.04 4.19 -45.23	101.35 3.95 -41.02	101.44 3.71 -41.45
HILLSIDE_115KV_TB1 80332	62.09 -1.41 -7.29	59.77 -1.57 -5.25	59.05 -1.35 -4.25	58.98 -1.35 -4.18	59.64 -1.24 -4.66	63.07 -1.13 -7.81	74.75 -0.12 -14.17	81.82 -0.43 -21.23	79.48 -0.93 -13.92	80.03 -0.96 -12.65	79.21 -1.10 -11.26	74.18 -1.00 -12.66	70.59 -1.37 -12.28	69.04 -1.39 -12.36	68.39 -1.38 -12.24	67.81 -1.41 -12.66	79.19 -0.96 -11.41	85.13 -0.92 -15.16	81.68 -0.74 -15.03	80.01 -1.02 -13.04	72.42 -1.15 -13.06	67.83 -1.30 -12.51	66.04 -1.69 -11.35	66.22 -1.52 -11.47



HISHELDN_WT_PWR 323625	57.75 -3.32 -4.85	56.05 -3.53 -3.49	55.78 -3.20 -2.83	55.68 -3.26 -2.78	56.28 -3.04 -3.10	59.10 -2.48 -5.20	68.43 -1.70 -9.43	72.47 -2.68 -14.13	72.10 -3.66 -9.27	73.13 -3.62 -8.42	72.75 -3.80 -7.49	67.51 -3.44 -8.43	64.57 -3.28 -8.17	62.65 -3.66 -8.23	61.82 -3.85 -8.15	61.03 -3.96 -8.43	72.71 -3.65 -7.60	77.23 -3.76 -10.11	73.98 -3.43 -10.02	73.01 -3.67 -8.70	65.59 -3.63 -8.71	61.22 -3.74 -8.34	59.89 -4.06 -7.56	60.20 -3.72 -7.64
HOLTSVILLE_IC_1 23690	97.03 5.79 -35.02	88.77 5.78 -26.90	77.98 5.79 -16.04	77.72 5.79 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.80 7.20 -83.58	150.35 7.58 -76.28	147.07 7.32 -71.42	148.25 7.39 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.33 7.49 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.86 7.48 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
HOLTSVILLE_IC_10 23699	97.31 6.07 -35.02	89.05 6.06 -26.90	78.26 6.07 -16.04	78.00 6.07 -15.77	88.93 6.02 -26.71	112.69 6.15 -50.16	148.28 7.28 -80.30	152.23 7.63 -83.58	150.74 7.97 -76.28	147.34 7.58 -71.42	148.66 7.80 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.96 6.33 -86.10	148.41 6.17 -85.69	151.67 7.83 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.20 7.82 -77.39	150.64 6.90 -83.23	148.29 6.28 -85.39	138.78 5.97 -76.42	109.62 5.80 -47.55
HOLTSVILLE_IC_2 23691	97.03 5.79 -35.02	88.77 5.78 -26.90	77.98 5.79 -16.04	77.72 5.79 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.80 7.20 -83.58	150.35 7.58 -76.28	147.07 7.32 -71.42	148.25 7.39 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.33 7.49 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.86 7.48 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
HOLTSVILLE_IC_3 23692	97.03 5.79 -35.02	88.77 5.78 -26.90	77.98 5.79 -16.04	77.72 5.79 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.80 7.20 -83.58	150.35 7.58 -76.28	147.07 7.32 -71.42	148.25 7.39 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.33 7.49 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.86 7.48 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
HOLTSVILLE_IC_4 23693	97.03 5.79 -35.02	88.77 5.78 -26.90	77.98 5.79 -16.04	77.72 5.79 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.80 7.20 -83.58	150.35 7.58 -76.28	147.07 7.32 -71.42	148.25 7.39 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.33 7.49 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.86 7.48 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
HOLTSVILLE_IC_5 23694	97.03 5.79 -35.02	88.77 5.78 -26.90	77.98 5.79 -16.04	77.72 5.79 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.80 7.20 -83.58	150.35 7.58 -76.28	147.07 7.32 -71.42	148.25 7.39 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.33 7.49 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.86 7.48 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
HOLTSVILLE_IC_6 23695	97.31 6.07 -35.02	89.05 6.06 -26.90	78.26 6.07 -16.04	78.00 6.07 -15.77	88.93 6.02 -26.71	112.69 6.15 -50.16	148.28 7.28 -80.30	152.23 7.63 -83.58	150.74 7.97 -76.28	147.34 7.58 -71.42	148.66 7.80 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.96 6.33 -86.10	148.41 6.17 -85.69	151.67 7.83 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.20 7.82 -77.39	150.64 6.90 -83.23	148.29 6.28 -85.39	138.78 5.97 -76.42	109.62 5.80 -47.55
HOLTSVILLE_IC_7 23696	97.31 6.07 -35.02	89.05 6.06 -26.90	78.26 6.07 -16.04	78.00 6.07 -15.77	88.93 6.02 -26.71	112.69 6.15 -50.16	148.28 7.28 -80.30	152.23 7.63 -83.58	150.74 7.97 -76.28	147.34 7.58 -71.42	148.66 7.80 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.96 6.33 -86.10	148.41 6.17 -85.69	151.67 7.83 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.20 7.82 -77.39	150.64 6.90 -83.23	148.29 6.28 -85.39	138.78 5.97 -76.42	109.62 5.80 -47.55
HOLTSVILLE_IC_8 23697	97.31 6.07 -35.02	89.05 6.06 -26.90	78.26 6.07 -16.04	78.00 6.07 -15.77	88.93 6.02 -26.71	112.69 6.15 -50.16	148.28 7.28 -80.30	152.23 7.63 -83.58	150.74 7.97 -76.28	147.34 7.58 -71.42	148.66 7.80 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.96 6.33 -86.10	148.41 6.17 -85.69	151.67 7.83 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.20 7.82 -77.39	150.64 6.90 -83.23	148.29 6.28 -85.39	138.78 5.97 -76.42	109.62 5.80 -47.55
HOLTSVILLE_IC_9 23698	97.31 6.07 -35.02	89.05 6.06 -26.90	78.26 6.07 -16.04	78.00 6.07 -15.77	88.93 6.02 -26.71	112.69 6.15 -50.16	148.28 7.28 -80.30	152.23 7.63 -83.58	150.74 7.97 -76.28	147.34 7.58 -71.42	148.66 7.80 -71.80	150.09 7.00 -80.57	148.37 6.62 -82.07	149.97 6.39 -85.50	149.96 6.33 -86.10	148.41 6.17 -85.69	151.67 7.83 -75.09	155.50 8.15 -76.46	154.37 7.81 -79.16	153.20 7.82 -77.39	150.64 6.90 -83.23	148.29 6.28 -85.39	138.78 5.97 -76.42	109.62 5.80 -47.55
HOMER_HL_115KV_TB2 355744	56.60 -4.61 -5.00	54.81 -4.88 -3.60	54.63 -4.44 -2.91	54.58 -4.44 -2.86	55.19 -4.22 -3.19	57.51 -4.23 -5.36	67.44 -2.97 -9.72	71.73 -3.84 -14.56	71.04 -4.99 -9.54	71.95 -5.06 -8.67	71.53 -5.25 -7.72	66.45 -4.75 -8.68	62.85 -5.25 -8.42	61.44 -5.11 -8.47	60.80 -5.12 -8.39	60.09 -5.15 -8.68	71.49 -5.09 -7.83	76.12 -5.17 -10.41	72.99 -4.72 -10.32	71.91 -5.03 -8.95	64.63 -4.84 -8.96	60.28 -4.93 -8.59	58.82 -5.36 -7.79	59.25 -4.90 -7.87
HOWARD_WT_PWR 323690	61.42 -0.56 -5.77	59.46 -0.79 -4.15	58.95 -0.56 -3.36	58.90 -0.56 -3.30	59.62 -0.28 -3.69	62.79 0.23 -6.18	73.37 1.45 -11.22	78.86 1.04 -16.80	77.97 0.47 -11.02	78.89 0.54 -10.01	78.32 0.35 -8.91	72.79 0.25 -10.02	69.46 0.06 -9.72	67.46 -0.40 -9.78	66.52 -0.69 -9.69	65.79 -0.79 -10.02	77.91 0.14 -9.03	83.17 0.28 -12.00	79.70 0.41 -11.89	78.38 0.07 -10.32	70.48 -0.36 -10.33	65.78 -0.74 -9.90	64.24 -1.13 -8.98	64.34 -1.01 -9.07
HQ_GEN_CEDARS 23644	55.31 -0.90 0.00	55.25 -0.84 0.00	55.26 -0.90 0.00	55.31 -0.84 0.00	55.31 -0.90 0.00	55.31 -1.07 0.00	57.42 -3.28 0.00	57.97 -3.05 0.00	63.16 -3.32 0.00	64.92 -3.42 0.00	65.68 -3.38 0.00	59.46 -3.06 0.00	58.13 -1.55 0.00	56.74 -1.34 0.00	56.20 -1.32 0.00	55.37 -1.19 0.00	65.24 -3.51 0.00	67.20 -3.69 0.00	63.76 -3.64 0.00	64.45 -3.54 0.00	57.48 -3.03 0.00	55.20 -1.42 0.00	55.37 -1.01 0.00	55.32 -0.96 0.00
HQ_GEN_CEDARS_PROXY 323590	55.31 -0.90 0.00	55.25 -0.84 0.00	55.26 -0.90 0.00	55.32 -0.84 0.00	55.31 -0.90 0.00	55.14 -1.24 0.00	57.42 -3.28 0.00	57.97 -3.05 0.00	63.16 -3.32 0.00	64.92 -3.41 0.00	65.68 -3.38 0.00	59.46 -3.06 0.00	56.94 -2.74 0.00	56.34 -1.74 0.00	56.21 -1.32 0.00	55.37 -1.19 0.00	65.24 -3.50 0.00	67.20 -3.69 0.00	63.76 -3.64 0.00	64.45 -3.54 0.00	57.49 -3.02 0.00	55.20 -1.41 0.00	55.37 -1.01 0.00	55.32 -0.96 0.00



HQ_GEN_IMPORT 323601	55.37 -0.84 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.37 -0.79 0.00	55.37 -0.84 0.00	55.37 -1.01 0.00	59.00 -1.70 0.00	59.37 -1.64 0.00	64.70 -1.79 0.00	59.00 -1.84 7.49	59.00 -1.80 8.26	55.37 -1.63 5.53	55.37 -1.55 2.76	55.37 -1.33 1.38	55.37 -1.27 0.89	55.37 -1.19 0.00	59.00 -1.85 7.90	65.00 -1.98 3.90	65.00 -1.96 0.44	66.16 -1.83 0.00	59.00 -1.51 0.00	55.37 -1.25 0.00	55.37 -1.01 0.00	55.37 -0.90 0.00
HQ_GEN_WHEEL 23651	55.37 -0.84 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.37 -0.79 0.00	55.37 -0.84 0.00	55.37 -1.01 0.00	59.00 -1.70 0.00	59.37 -1.64 0.00	64.70 -1.79 0.00	59.00 -1.84 7.49	59.00 -1.80 8.26	55.37 -1.63 5.53	55.37 -1.55 2.76	55.37 -1.33 1.38	55.37 -1.27 0.89	55.37 -1.19 0.00	59.00 -1.85 7.90	65.00 -1.98 3.90	65.00 -1.96 0.44	66.16 -1.83 0.00	59.00 -1.51 0.00	55.37 -1.25 0.00	55.37 -1.01 0.00	55.37 -0.90 0.00
HUDSON AVE_GT_3 23810	88.48 4.72 -27.54	80.47 4.54 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.47 4.57 -29.52	119.78 5.52 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.25 6.63 -70.28	162.35 6.70 -86.59	162.40 6.06 -93.82	162.32 5.61 -97.02	162.40 5.46 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.93 6.67 -102.51	182.95 7.02 -105.04	167.43 6.74 -93.29	174.64 6.66 -99.99	161.47 5.87 -95.09	149.56 5.27 -87.68	139.17 5.07 -77.71	117.48 4.84 -56.37
HUDSON AVE_GT_4 23540	88.48 4.72 -27.54	80.47 4.54 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.47 4.57 -29.52	119.78 5.52 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.25 6.63 -70.28	162.35 6.70 -86.59	162.40 6.06 -93.82	162.32 5.61 -97.02	162.40 5.46 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.93 6.67 -102.51	182.95 7.02 -105.04	167.43 6.74 -93.29	174.64 6.66 -99.99	161.47 5.87 -95.09	149.56 5.27 -87.68	139.17 5.07 -77.71	117.48 4.84 -56.37
HUDSON AVE_GT_5 23657	88.48 4.72 -27.54	80.47 4.54 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.47 4.57 -29.52	119.78 5.52 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.25 6.63 -70.28	162.35 6.70 -86.59	162.40 6.06 -93.82	162.32 5.61 -97.02	162.40 5.46 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.93 6.67 -102.51	182.95 7.02 -105.04	167.43 6.74 -93.29	174.64 6.66 -99.99	161.47 5.87 -95.09	149.56 5.27 -87.68	139.17 5.07 -77.71	117.48 4.84 -56.37
HUDSON_AVE_10 24168	88.42 4.67 -27.54	80.36 4.43 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.42 4.51 -29.52	119.72 5.46 -53.56	146.99 5.74 -80.24	139.17 6.45 -66.23	145.25 6.63 -70.28	162.35 6.70 -86.59	162.40 6.06 -93.82	162.32 5.61 -97.02	162.40 5.46 -98.86	162.40 5.35 -99.53	162.41 5.26 -100.59	177.86 6.60 -102.51	182.88 6.95 -105.04	167.43 6.74 -93.29	174.64 6.66 -99.99	161.47 5.87 -95.09	149.56 5.27 -87.68	139.23 5.13 -77.71	117.48 4.84 -56.37
HUDSON___115KV_TB 4 355613	92.60 3.26 -33.13	83.15 3.20 -23.86	78.71 3.26 -19.30	78.34 3.20 -18.98	80.65 3.26 -21.18	95.17 3.27 -35.51	128.28 3.16 -64.42	160.46 2.93 -96.52	133.16 3.39 -63.28	129.31 3.49 -57.50	123.68 3.45 -51.17	123.12 3.06 -57.54	118.35 2.86 -55.80	117.10 2.85 -56.18	116.04 2.88 -55.63	117.06 2.94 -57.55	124.48 3.78 -51.95	143.85 3.90 -69.07	139.55 3.71 -68.45	131.08 3.67 -59.42	123.14 3.15 -59.48	116.50 2.94 -56.94	110.96 2.93 -51.64	111.67 3.21 -52.19
HUNTER MOUNT___DRP 323613	91.63 3.20 -32.22	82.43 3.14 -23.20	78.12 3.20 -18.77	77.76 3.14 -18.46	80.01 3.20 -20.60	94.13 3.21 -34.53	126.56 3.22 -62.65	157.80 2.93 -93.86	131.48 3.46 -61.53	127.73 3.49 -55.91	122.20 3.38 -49.76	121.41 2.94 -55.95	116.75 2.81 -54.26	115.50 2.79 -54.63	114.45 2.82 -54.10	115.47 2.94 -55.97	123.05 3.78 -50.52	142.09 4.04 -67.16	137.73 3.77 -66.56	129.58 3.81 -57.78	121.56 3.21 -57.84	114.89 2.94 -55.33	109.44 2.88 -50.18	110.14 3.15 -50.71
HUNTINGTON_RES_REC 323705	96.63 5.40 -35.02	88.27 5.27 -26.90	77.42 5.22 -16.04	77.15 5.22 -15.77	88.15 5.23 -26.71	111.91 5.36 -50.16	147.19 6.19 -80.30	150.76 6.16 -83.58	149.55 6.79 -76.28	146.80 7.04 -71.42	147.83 6.97 -71.80	149.28 6.19 -80.57	147.72 5.97 -82.07	149.21 5.63 -85.50	149.21 5.58 -86.10	147.73 5.48 -85.69	150.64 6.81 -75.09	154.37 7.02 -76.46	153.30 6.74 -79.16	152.24 6.86 -77.39	149.85 6.11 -83.23	147.67 5.66 -85.39	138.39 5.58 -76.42	109.17 5.35 -47.55
HUNTLEY___63 23557	56.29 -4.10 -4.19	54.79 -4.32 -3.01	54.61 -3.99 -2.44	54.51 -4.04 -2.40	55.07 -3.82 -2.68	57.21 -3.66 -4.49	66.35 -2.49 -8.14	69.43 -3.78 -12.20	69.63 -4.85 -8.00	70.82 -4.78 -7.27	70.55 -4.97 -6.47	65.35 -4.44 -7.27	61.72 -5.01 -7.05	60.36 -4.82 -7.10	59.78 -4.77 -7.03	58.97 -4.86 -7.27	70.78 -4.54 -6.56	74.79 -4.82 -8.73	71.60 -4.45 -8.65	70.74 -4.76 -7.51	63.49 -4.54 -7.52	59.18 -4.64 -7.20	57.90 -5.02 -6.53	58.32 -4.56 -6.60
HUNTLEY___64 23558	56.29 -4.10 -4.19	54.79 -4.32 -3.01	54.61 -3.99 -2.44	54.51 -4.04 -2.40	55.07 -3.82 -2.68	57.21 -3.66 -4.49	66.35 -2.49 -8.14	69.43 -3.78 -12.20	69.63 -4.85 -8.00	70.82 -4.78 -7.27	70.55 -4.97 -6.47	65.35 -4.44 -7.27	61.72 -5.01 -7.05	60.36 -4.82 -7.10	59.78 -4.77 -7.03	58.97 -4.86 -7.27	70.78 -4.54 -6.56	74.79 -4.82 -8.73	71.60 -4.45 -8.65	70.74 -4.76 -7.51	63.49 -4.54 -7.52	59.18 -4.64 -7.20	57.90 -5.02 -6.53	58.32 -4.56 -6.60
HUNTLEY___65 23559	56.29 -4.10 -4.19	54.79 -4.32 -3.01	54.61 -3.99 -2.44	54.51 -4.04 -2.40	55.07 -3.82 -2.68	57.21 -3.66 -4.49	66.35 -2.49 -8.14	69.43 -3.78 -12.20	69.63 -4.85 -8.00	70.82 -4.78 -7.27	70.55 -4.97 -6.47	65.35 -4.44 -7.27	61.72 -5.01 -7.05	60.36 -4.82 -7.10	59.78 -4.77 -7.03	58.97 -4.86 -7.27	70.78 -4.54 -6.56	74.79 -4.82 -8.73	71.60 -4.45 -8.65	70.74 -4.76 -7.51	63.49 -4.54 -7.52	59.18 -4.64 -7.20	57.90 -5.02 -6.53	58.32 -4.56 -6.60
HUNTLEY___66 23560	56.29 -4.10 -4.19	54.79 -4.32 -3.01	54.61 -3.99 -2.44	54.51 -4.04 -2.40	55.07 -3.82 -2.68	57.21 -3.66 -4.49	66.35 -2.49 -8.14	69.43 -3.78 -12.20	69.63 -4.85 -8.00	70.82 -4.78 -7.27	70.55 -4.97 -6.47	65.35 -4.44 -7.27	61.72 -5.01 -7.05	60.36 -4.82 -7.10	59.78 -4.77 -7.03	58.97 -4.86 -7.27	70.78 -4.54 -6.56	74.79 -4.82 -8.73	71.60 -4.45 -8.65	70.74 -4.76 -7.51	63.49 -4.54 -7.52	59.18 -4.64 -7.20	57.90 -5.02 -6.53	58.32 -4.56 -6.60
HUNTLEY___67 23561	56.27 -4.22 -4.28	54.80 -4.38 -3.08	54.55 -4.10 -2.49	54.45 -4.16 -2.45	54.95 -3.99 -2.73	57.19 -3.78 -4.58	66.41 -2.61 -8.32	69.57 -3.91 -12.46	69.60 -5.05 -8.17	70.77 -4.99 -7.42	70.49 -5.18 -6.61	65.32 -4.63 -7.43	61.70 -5.19 -7.20	60.34 -4.99 -7.25	59.82 -4.89 -7.18	59.01 -4.98 -7.43	70.71 -4.74 -6.71	74.77 -5.03 -8.91	71.58 -4.65 -8.83	70.76 -4.90 -7.67	63.47 -4.72 -7.68	59.22 -4.76 -7.36	57.98 -5.07 -6.67	58.34 -4.67 -6.74
HUNTLEY___68 23562	56.27 -4.22 -4.28	54.80 -4.38 -3.08	54.55 -4.10 -2.49	54.45 -4.16 -2.45	54.95 -3.99 -2.73	57.19 -3.78 -4.58	66.41 -2.61 -8.32	69.57 -3.91 -12.46	69.60 -5.05 -8.17	70.77 -4.99 -7.42	70.49 -5.18 -6.61	65.32 -4.63 -7.43	61.70 -5.19 -7.20	60.34 -4.99 -7.25	59.82 -4.89 -7.18	59.01 -4.98 -7.43	70.71 -4.74 -6.71	74.77 -5.03 -8.91	71.58 -4.65 -8.83	70.76 -4.90 -7.67	63.47 -4.72 -7.68	59.22 -4.76 -7.36	57.98 -5.07 -6.67	58.34 -4.67 -6.74



HYLAND___LFGE 323620	62.19 1.24 -4.75	60.24 0.73 -3.42	59.82 0.90 -2.76	59.72 0.84 -2.72	60.43 1.18 -3.03	63.39 1.92 -5.09	73.57 3.64 -9.23	78.14 3.29 -13.83	78.61 3.06 -9.06	79.44 2.87 -8.24	78.87 2.48 -7.33	72.70 1.94 -8.24	65.47 -2.21 -7.99	63.69 -2.44 -8.05	63.08 -2.41 -7.97	62.48 -2.32 -8.24	74.88 -1.31 -7.44	79.15 -1.63 -9.89	76.52 -0.67 -9.80	75.48 -1.02 -8.51	67.64 -1.39 -8.52	62.96 -1.81 -8.16	65.08 1.30 -7.40	64.88 1.12 -7.48
INDECK___CORINTH 23802	94.77 3.43 -35.13	84.75 3.37 -25.30	79.99 3.37 -20.46	79.65 3.37 -20.13	82.16 3.49 -22.46	97.70 3.66 -37.65	133.50 4.49 -68.31	168.05 4.70 -102.33	138.90 5.32 -67.09	134.96 5.67 -60.96	129.04 5.73 -54.25	128.71 5.19 -61.01	123.75 4.90 -59.17	122.35 4.70 -59.57	121.06 4.54 -58.99	122.16 4.58 -61.02	129.53 5.70 -55.08	150.20 6.10 -73.22	145.69 5.73 -72.57	136.69 5.71 -62.99	128.53 4.96 -63.05	121.56 4.53 -60.41	115.40 4.23 -54.79	115.47 3.83 -55.37
INDECK___ILION 23567	58.29 2.08 0.00	58.11 2.02 0.00	58.18 2.02 0.00	58.18 2.02 0.00	58.24 2.02 0.00	58.47 2.09 0.00	63.25 2.55 0.00	63.52 2.50 0.00	69.28 2.79 0.00	71.20 2.87 0.00	71.82 2.76 0.00	65.21 2.69 0.00	62.13 2.45 0.00	60.46 2.38 0.00	59.83 2.30 0.00	58.82 2.26 0.00	71.57 2.82 0.00	73.79 2.91 0.00	70.16 2.76 0.00	70.64 2.65 0.00	62.81 2.30 0.00	58.71 2.09 0.00	58.41 2.03 0.00	58.19 1.91 0.00
INDECK___OLEAN 23982	56.60 -4.61 -5.00	54.81 -4.88 -3.60	54.69 -4.38 -2.91	54.58 -4.44 -2.86	55.19 -4.22 -3.19	57.90 -3.84 -5.36	67.44 -2.97 -9.72	71.73 -3.84 -14.56	71.04 -4.99 -9.54	71.95 -5.06 -8.67	71.53 -5.25 -7.72	66.45 -4.75 -8.68	63.51 -4.59 -8.42	61.67 -4.88 -8.47	60.80 -5.12 -8.39	60.09 -5.15 -8.68	71.49 -5.09 -7.83	76.12 -5.17 -10.41	73.00 -4.72 -10.32	71.92 -5.03 -8.96	64.58 -4.90 -8.97	60.28 -4.93 -8.59	58.82 -5.36 -7.79	59.25 -4.90 -7.87
INDECK___OSWEGO 23783	56.83 -1.52 -2.14	56.06 -1.57 -1.54	55.83 -1.57 -1.24	55.81 -1.57 -1.22	56.06 -1.52 -1.37	57.32 -1.35 -2.29	63.82 -1.03 -4.15	66.26 -0.98 -6.22	69.37 -1.19 -4.08	70.88 -1.16 -3.71	71.18 -1.17 -3.30	65.17 -1.06 -3.71	62.27 -1.01 -3.60	60.60 -1.11 -3.62	59.96 -1.15 -3.59	59.08 -1.19 -3.71	71.01 -1.10 -3.36	74.21 -1.14 -4.47	70.81 -1.01 -4.43	70.68 -1.16 -3.84	63.27 -1.09 -3.85	59.11 -1.19 -3.69	58.37 -1.35 -3.34	58.25 -1.40 -3.38
INDECK___YERKES 23781	56.35 -4.05 -4.19	54.90 -4.21 -3.01	54.66 -3.93 -2.44	54.57 -3.99 -2.40	55.12 -3.77 -2.68	57.77 -3.10 -4.49	66.41 -2.43 -8.14	69.49 -3.72 -12.20	69.70 -4.79 -8.00	70.88 -4.71 -7.27	70.62 -4.90 -6.47	65.41 -4.38 -7.27	62.68 -4.06 -7.05	60.76 -4.42 -7.10	59.90 -4.66 -7.03	59.03 -4.81 -7.27	70.85 -4.75 -6.57	74.87 -4.75 -8.73	71.67 -4.38 -8.65	70.87 -4.63 -7.51	63.49 -4.54 -7.52	59.29 -4.53 -7.20	58.01 -4.91 -6.53	58.37 -4.50 -6.60
INDIAN POINT_GT_1 24139	87.43 3.99 -27.23	79.51 3.81 -19.61	75.89 3.87 -15.86	75.57 3.82 -15.60	77.39 3.77 -17.41	89.40 3.83 -29.18	118.38 4.73 -52.94	145.28 4.94 -79.32	124.43 5.45 -52.49	121.93 5.54 -48.06	118.98 5.59 -44.32	116.52 5.06 -48.94	112.02 4.66 -47.68	110.65 4.53 -48.04	109.59 4.43 -47.63	110.11 4.36 -49.19	119.14 5.57 -44.82	135.98 5.88 -59.21	131.22 5.66 -58.16	125.00 5.58 -51.44	115.93 4.90 -50.52	109.33 4.42 -48.30	104.35 4.23 -43.74	103.61 3.94 -43.40
INDIAN POINT_GT_2 23659	87.43 3.99 -27.23	79.51 3.81 -19.61	75.89 3.87 -15.86	75.57 3.82 -15.60	77.39 3.77 -17.41	89.40 3.83 -29.18	118.38 4.73 -52.94	145.28 4.94 -79.32	124.43 5.45 -52.49	121.93 5.54 -48.06	118.98 5.59 -44.32	116.52 5.06 -48.94	112.02 4.66 -47.68	110.65 4.53 -48.04	109.59 4.43 -47.63	110.11 4.36 -49.19	119.14 5.57 -44.82	135.98 5.88 -59.21	131.22 5.66 -58.16	125.00 5.58 -51.44	115.93 4.90 -50.52	109.33 4.42 -48.30	104.35 4.23 -43.74	103.61 3.94 -43.40
INDIAN POINT_GT_3 24019	87.43 3.99 -27.23	79.51 3.81 -19.61	75.89 3.87 -15.86	75.57 3.82 -15.60	77.39 3.77 -17.41	89.40 3.83 -29.18	118.38 4.73 -52.94	145.28 4.94 -79.32	124.43 5.45 -52.49	121.93 5.54 -48.06	118.98 5.59 -44.32	116.52 5.06 -48.94	112.02 4.66 -47.68	110.65 4.53 -48.04	109.59 4.43 -47.63	110.11 4.36 -49.19	119.14 5.57 -44.82	135.98 5.88 -59.21	131.22 5.66 -58.16	125.00 5.58 -51.44	115.93 4.90 -50.52	109.33 4.42 -48.30	104.35 4.23 -43.74	103.61 3.94 -43.40
INDIAN POINT___2 23530	86.99 3.88 -26.90	79.17 3.70 -19.37	75.59 3.76 -15.67	75.28 3.71 -15.41	77.12 3.71 -17.20	89.06 3.84 -28.84	117.63 4.61 -52.32	144.21 4.82 -78.38	123.59 5.25 -51.85	121.12 5.33 -47.46	118.16 5.39 -43.71	115.69 4.88 -48.29	111.32 4.60 -47.04	109.89 4.41 -47.40	108.84 4.32 -47.00	109.34 4.24 -48.54	118.35 5.37 -44.23	135.01 5.67 -58.45	130.28 5.46 -57.43	124.19 5.44 -50.75	115.12 4.72 -49.88	108.54 4.25 -47.68	103.62 4.06 -43.18	102.98 3.83 -42.88
INDIAN POINT___3 23531	87.38 3.93 -27.23	79.46 3.76 -19.61	75.84 3.82 -15.86	75.52 3.76 -15.60	77.39 3.77 -17.41	89.41 3.83 -29.19	118.32 4.67 -52.95	145.16 4.82 -79.33	124.28 5.32 -52.48	121.76 5.40 -48.03	118.75 5.46 -44.24	116.33 4.94 -48.87	111.83 4.54 -47.61	110.46 4.41 -47.97	109.46 4.37 -47.56	109.92 4.24 -49.12	118.92 5.43 -44.74	135.75 5.74 -59.12	131.01 5.53 -58.09	124.77 5.44 -51.34	115.75 4.78 -50.46	109.16 4.30 -48.24	104.19 4.12 -43.69	103.49 3.83 -43.39
INGHAM_C_115KV_TB7 356103	59.75 3.54 0.00	59.57 3.48 0.00	59.64 3.48 0.00	59.64 3.48 0.00	59.70 3.49 0.00	59.94 3.55 0.00	64.83 4.13 0.00	65.10 4.09 0.00	70.94 4.45 0.00	72.91 4.58 0.00	73.69 4.63 0.00	66.90 4.38 0.00	63.74 4.06 0.00	62.03 3.95 0.00	61.32 3.80 0.00	60.24 3.68 0.00	73.22 4.47 0.00	75.35 4.47 0.00	71.58 4.18 0.00	72.07 4.08 0.00	64.02 3.51 0.00	59.90 3.28 0.00	59.54 3.16 0.00	59.31 3.04 0.00
IP CORINTH___1 23988	94.77 3.43 -35.13	84.75 3.37 -25.30	79.99 3.37 -20.46	79.65 3.37 -20.13	82.16 3.49 -22.46	97.65 3.61 -37.65	133.50 4.49 -68.31	168.05 4.70 -102.33	138.90 5.32 -67.09	134.97 5.67 -60.96	129.05 5.73 -54.25	128.72 5.19 -61.01	123.69 4.83 -59.17	122.29 4.65 -59.57	121.06 4.54 -58.99	122.16 4.58 -61.02	129.54 5.71 -55.08	150.21 6.10 -73.23	145.70 5.73 -72.58	136.70 5.71 -63.00	128.54 4.96 -63.06	121.56 4.53 -60.41	115.40 4.23 -54.79	115.47 3.83 -55.37
IP___TICONDEROGA 23804	97.09 5.79 -35.09	86.91 5.55 -25.27	82.21 5.62 -20.44	81.88 5.62 -20.10	84.44 5.79 -22.43	100.03 6.03 -37.61	136.40 7.47 -68.23	171.17 7.93 -102.22	142.42 8.91 -67.02	138.66 9.43 -60.90	132.92 9.67 -54.19	132.15 8.69 -60.94	126.90 8.12 -59.10	125.36 7.78 -59.50	123.99 7.54 -58.92	125.15 7.64 -60.96	133.26 9.49 -55.03	154.17 10.14 -73.15	149.33 9.44 -72.50	140.44 9.52 -62.93	131.74 8.23 -63.00	124.49 7.53 -60.35	118.11 6.99 -54.73	118.05 6.47 -55.31
ISLIP_RES_REC 323679	97.53 6.29 -35.02	89.28 6.28 -26.90	78.54 6.34 -16.04	78.27 6.34 -15.77	89.21 6.29 -26.71	112.97 6.43 -50.16	148.65 7.65 -80.30	152.59 7.99 -83.58	151.15 8.38 -76.28	147.82 8.06 -71.42	149.08 8.21 -71.80	150.53 7.44 -80.57	148.73 6.98 -82.07	150.37 6.79 -85.50	150.36 6.73 -86.10	148.81 6.56 -85.69	152.15 8.32 -75.09	155.99 8.64 -76.46	154.91 8.36 -79.16	153.67 8.29 -77.39	151.06 7.32 -83.23	148.57 6.56 -85.39	139.12 6.31 -76.42	109.96 6.13 -47.55



JAMAICA__27_KV_LOAD 355505	88.81 5.06 -27.54	80.75 4.82 -19.83	76.92 4.72 -16.04	76.54 4.60 -15.78	78.43 4.61 -17.61	90.81 4.91 -29.52	120.33 6.07 -53.56	147.72 6.47 -80.24	143.05 7.38 -69.18	151.01 7.52 -75.16	163.25 7.60 -86.59	163.22 6.88 -93.82	163.09 6.39 -97.02	163.10 6.16 -98.86	163.15 6.10 -99.53	163.14 6.00 -100.59	178.55 7.29 -102.51	183.66 7.73 -105.04	171.22 7.68 -96.14	175.59 7.61 -99.99	172.25 6.72 -105.02	159.11 6.06 -96.44	147.51 5.86 -85.26	121.08 5.63 -59.18
JANIS__SOLAR 323808	66.85 3.03 -7.61	64.43 2.86 -5.48	63.39 2.81 -4.43	63.38 2.86 -4.36	64.05 2.98 -4.86	67.98 3.44 -8.15	80.59 5.10 -14.79	88.48 5.31 -22.16	86.53 5.52 -14.53	87.14 5.60 -13.20	86.26 5.45 -11.75	80.42 4.69 -13.21	76.80 4.30 -12.81	74.98 4.00 -12.90	74.21 3.91 -12.77	73.62 3.85 -13.22	86.15 5.57 -11.83	92.78 6.16 -15.73	89.06 6.07 -15.59	87.30 5.78 -13.53	79.08 5.02 -13.55	73.90 4.30 -12.98	71.71 3.55 -11.77	71.55 3.38 -11.90
JARVIS____ 23743	57.06 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.00 0.84 0.00	57.06 0.84 0.00	57.28 0.90 0.00	61.85 1.15 0.00	62.17 1.16 0.00	67.75 1.26 0.00	69.63 1.30 0.00	70.30 1.24 0.00	63.71 1.18 0.00	60.82 1.13 0.00	59.13 1.05 0.00	58.50 0.98 0.00	57.52 0.96 0.00	70.05 1.30 0.00	72.23 1.34 0.00	68.67 1.28 0.00	69.28 1.29 0.00	61.60 1.09 0.00	57.58 0.96 0.00	57.34 0.96 0.00	57.12 0.85 0.00
JENNISON____1 23625	69.45 3.49 -9.75	66.37 3.25 -7.02	65.09 3.26 -5.68	65.11 3.37 -5.59	65.82 3.37 -6.24	70.50 3.66 -10.45	85.31 5.65 -18.96	95.16 5.74 -28.41	91.23 6.12 -18.63	91.48 6.22 -16.93	90.41 6.28 -15.06	84.96 5.50 -16.94	80.95 4.83 -16.43	79.32 4.70 -16.54	78.56 4.66 -16.38	77.97 4.47 -16.94	90.19 6.19 -15.26	97.83 6.66 -20.28	94.03 6.54 -20.10	91.76 6.32 -17.45	83.54 5.57 -17.47	78.17 4.81 -16.74	75.73 4.17 -15.18	75.61 4.00 -15.34
JENNISON____2 23626	69.45 3.49 -9.75	66.37 3.25 -7.02	65.09 3.26 -5.68	65.11 3.37 -5.59	65.82 3.37 -6.24	70.50 3.66 -10.45	85.31 5.65 -18.96	95.16 5.74 -28.41	91.23 6.12 -18.63	91.48 6.22 -16.93	90.41 6.28 -15.06	84.96 5.50 -16.94	80.95 4.83 -16.43	79.32 4.70 -16.54	78.56 4.66 -16.38	77.97 4.47 -16.94	90.19 6.19 -15.26	97.83 6.66 -20.28	94.03 6.54 -20.10	91.76 6.32 -17.45	83.54 5.57 -17.47	78.17 4.81 -16.74	75.73 4.17 -15.18	75.61 4.00 -15.34
JERICOHO_RISE_WT_PWR 323719	56.38 0.17 0.00	56.32 0.23 0.00	56.38 0.23 0.00	56.44 0.28 0.00	56.44 0.23 0.00	56.44 0.06 0.00	59.91 -0.79 0.00	60.53 -0.49 0.00	65.95 -0.53 0.00	67.78 -0.55 0.00	68.65 -0.41 0.00	62.09 -0.43 0.00	59.20 -0.48 0.00	57.79 -0.29 0.00	57.41 -0.11 0.00	56.45 -0.11 0.00	67.79 -0.96 0.00	69.54 -1.35 0.00	65.71 -1.35 0.00	66.09 -1.68 0.00	58.82 -1.90 0.00	55.32 -1.69 0.00	55.42 -1.30 0.00	55.26 -0.96 0.00
KATONAH__115KV_46KV_TB4 355592	88.48 4.44 -27.82	80.39 4.26 -20.04	76.63 4.27 -16.21	76.42 4.32 -15.94	78.16 4.16 -17.79	90.44 4.23 -29.83	120.09 5.28 -54.11	147.69 5.61 -81.06	125.88 6.25 -53.15	122.98 6.36 -48.29	118.89 6.56 -43.27	116.72 5.88 -48.32	111.92 5.37 -46.87	110.43 5.17 -47.18	109.31 5.06 -46.73	109.88 4.98 -48.34	118.71 6.32 -43.63	136.02 6.81 -58.32	131.68 6.54 -57.75	124.76 6.53 -50.24	116.15 5.69 -49.95	109.53 5.10 -47.82	104.54 4.79 -43.37	104.49 4.39 -43.82
KCE_NY_1 323755	94.73 3.49 -35.03	84.80 3.48 -25.23	80.05 3.48 -20.41	79.71 3.48 -20.07	82.16 3.54 -22.40	97.60 3.66 -37.56	133.14 4.31 -68.13	167.48 4.40 -102.07	138.33 4.92 -66.92	134.33 5.19 -60.80	128.42 5.25 -54.11	128.12 4.75 -60.85	123.18 4.48 -59.01	121.79 4.30 -59.41	120.56 4.20 -58.83	121.67 4.24 -60.86	128.98 5.29 -54.93	149.45 5.53 -73.03	144.96 5.19 -72.38	136.05 5.24 -62.83	128.00 4.60 -62.89	121.06 4.19 -60.26	115.03 4.00 -54.65	115.21 3.71 -55.22
KCE_NY_6_ESR 323823	56.95 -3.71 -4.45	55.37 -3.93 -3.21	55.15 -3.60 -2.59	55.00 -3.71 -2.55	55.57 -3.49 -2.85	58.28 -2.87 -4.77	67.35 -2.00 -8.66	70.75 -3.24 -12.97	70.73 -4.26 -8.50	71.82 -4.24 -7.72	71.59 -4.35 -6.87	66.31 -3.94 -7.73	63.48 -3.70 -7.50	61.56 -4.07 -7.55	60.69 -4.32 -7.47	59.88 -4.41 -7.73	71.67 -4.06 -6.98	75.91 -4.25 -9.28	72.68 -3.91 -9.20	71.82 -4.15 -7.98	64.45 -4.05 -7.99	60.14 -4.13 -7.66	58.81 -4.51 -6.94	59.18 -4.11 -7.02
KEDC_PORT_JEFF_GT2 24210	97.08 5.85 -35.02	88.83 5.83 -26.90	78.09 5.89 -16.04	77.77 5.84 -15.77	88.76 5.85 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.30	151.86 7.26 -83.58	150.41 7.64 -76.28	147.14 7.38 -71.42	148.39 7.53 -71.80	149.90 6.82 -80.57	148.14 6.39 -82.07	149.74 6.15 -85.50	149.72 6.09 -86.10	148.24 5.99 -85.69	151.33 7.49 -75.09	155.01 7.66 -76.46	153.97 7.41 -79.16	152.86 7.48 -77.39	150.40 6.66 -83.23	148.07 6.06 -85.39	138.62 5.81 -76.42	109.45 5.63 -47.55
KEDC_PORT_JEFF_GT3 24211	97.08 5.85 -35.02	88.83 5.83 -26.90	78.09 5.89 -16.04	77.77 5.84 -15.77	88.76 5.85 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.30	151.86 7.26 -83.58	150.41 7.64 -76.28	147.14 7.38 -71.42	148.39 7.53 -71.80	149.90 6.82 -80.57	148.14 6.39 -82.07	149.74 6.15 -85.50	149.72 6.09 -86.10	148.24 5.99 -85.69	151.33 7.49 -75.09	155.01 7.66 -76.46	153.97 7.41 -79.16	152.86 7.48 -77.39	150.40 6.66 -83.23	148.07 6.06 -85.39	138.62 5.81 -76.42	109.45 5.63 -47.55
KEDC_GLWD_GT4 24219	96.75 5.51 -35.02	88.33 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.26 5.34 -26.71	112.02 5.47 -50.16	147.50 6.50 -80.30	151.31 6.71 -83.58	150.22 7.44 -76.28	147.34 7.58 -71.43	148.60 7.73 -71.80	150.15 7.06 -80.57	148.38 6.62 -82.07	149.97 6.39 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.54 7.70 -75.09	155.43 8.08 -76.47	154.31 7.75 -79.16	153.06 7.68 -77.39	150.52 6.78 -83.23	148.13 6.12 -85.39	138.67 5.86 -76.43	109.40 5.57 -47.56
KEDC_GLWD_GT5 24220	96.75 5.51 -35.02	88.33 5.33 -26.90	77.47 5.28 -16.04	77.21 5.28 -15.77	88.26 5.34 -26.71	112.02 5.47 -50.16	147.50 6.50 -80.30	151.31 6.71 -83.58	150.22 7.44 -76.28	147.34 7.58 -71.43	148.60 7.73 -71.80	150.15 7.06 -80.57	148.38 6.62 -82.07	149.97 6.39 -85.50	149.90 6.27 -86.10	148.36 6.11 -85.69	151.54 7.70 -75.09	155.43 8.08 -76.47	154.31 7.75 -79.16	153.06 7.68 -77.39	150.52 6.78 -83.23	148.13 6.12 -85.39	138.67 5.86 -76.43	109.40 5.57 -47.56
KENSICO____ 23655	87.89 4.22 -27.46	79.90 4.04 -19.77	76.25 4.10 -15.99	75.93 4.04 -15.73	77.82 4.05 -17.56	89.93 4.12 -29.43	119.07 4.98 -53.40	146.20 5.19 -80.00	125.24 5.72 -53.03	122.83 5.88 -48.62	120.13 5.94 -45.13	117.56 5.38 -49.66	113.06 4.95 -48.42	111.70 4.82 -48.80	110.64 4.72 -48.40	111.16 4.64 -49.96	120.27 5.91 -45.60	137.30 6.24 -60.18	132.40 6.00 -59.01	126.27 5.92 -52.36	116.97 5.20 -51.26	110.23 4.64 -48.98	105.18 4.45 -44.34	104.35 4.22 -43.85
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	86.95 4.61 -26.13	79.28 4.38 -18.82	75.76 4.38 -15.22	75.45 4.32 -14.97	77.19 4.27 -16.71	88.85 4.45 -28.01	117.46 5.95 -50.81	143.12 5.98 -76.13	122.38 5.98 -49.91	119.56 5.88 -45.35	115.22 5.80 -40.36	113.16 5.25 -45.38	108.41 4.72 -44.01	106.98 4.59 -44.31	105.95 4.54 -43.88	106.48 4.52 -45.39	115.43 5.71 -40.98	131.60 6.24 -54.47	127.45 6.07 -53.99	120.84 5.98 -46.86	113.17 5.75 -46.91	106.41 5.10 -44.70	101.65 4.74 -40.53	101.68 4.45 -40.96



KIAC_JFK_GT1 23816	88.59 4.83 -27.54	80.53 4.60 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.64 4.74 -29.52	120.08 5.83 -53.56	147.54 6.28 -80.24	142.78 7.11 -69.18	150.74 7.24 -75.16	162.97 7.32 -86.59	162.97 6.63 -93.82	162.85 6.15 -97.02	162.92 5.98 -98.86	162.92 5.87 -99.53	162.92 5.77 -100.59	178.27 7.01 -102.51	183.37 7.44 -105.04	170.95 7.41 -96.14	175.32 7.34 -99.99	172.00 6.47 -105.02	158.89 5.83 -96.44	147.29 5.64 -85.26	120.85 5.40 -59.18
KIAC_JFK_GT2 23817	88.59 4.83 -27.54	80.53 4.60 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.64 4.74 -29.52	120.08 5.83 -53.56	147.54 6.28 -80.24	142.78 7.11 -69.18	150.74 7.24 -75.16	162.97 7.32 -86.59	162.97 6.63 -93.82	162.85 6.15 -97.02	162.92 5.98 -98.86	162.92 5.87 -99.53	162.92 5.77 -100.59	178.27 7.01 -102.51	183.37 7.44 -105.04	170.95 7.41 -96.14	175.32 7.34 -99.99	172.00 6.47 -105.02	158.89 5.83 -96.44	147.29 5.64 -85.26	120.85 5.40 -59.18
KIAC_JFK____ 323774	88.59 4.83 -27.54	80.53 4.60 -19.83	76.75 4.55 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.70 4.79 -29.52	120.09 5.83 -53.56	147.54 6.29 -80.24	142.79 7.12 -69.18	150.74 7.24 -75.16	162.97 7.32 -86.59	162.96 6.62 -93.82	162.97 6.27 -97.02	162.92 5.98 -98.86	162.93 5.87 -99.53	162.92 5.77 -100.59	178.28 7.02 -102.52	183.39 7.44 -105.06	170.96 7.41 -96.15	175.33 7.35 -100.00	172.02 6.48 -105.03	158.89 5.83 -96.44	147.34 5.69 -85.26	120.85 5.40 -59.18
KINTIGH____ 23543	56.36 -3.54 -3.69	55.10 -3.65 -2.66	54.88 -3.43 -2.15	54.79 -3.48 -2.11	55.26 -3.32 -2.36	57.24 -3.10 -3.96	65.93 -1.94 -7.18	68.72 -3.05 -10.75	69.55 -3.99 -7.05	70.78 -3.96 -6.41	70.62 -4.14 -5.70	65.24 -3.69 -6.41	61.66 -4.24 -6.22	60.27 -4.07 -6.26	59.76 -3.97 -6.20	58.96 -4.02 -6.41	70.83 -3.71 -5.79	74.61 -3.97 -7.70	71.32 -3.71 -7.63	70.67 -3.94 -6.62	63.39 -3.75 -6.63	59.12 -3.85 -6.35	57.97 -4.17 -5.76	58.21 -3.88 -5.82
KNTFSRNC_46_KV_46KV_LOAD 80397	57.28 1.07 0.00	57.16 1.07 0.00	57.22 1.07 0.00	57.28 1.12 0.00	57.34 1.12 0.00	57.51 1.13 0.00	61.06 0.36 0.00	61.81 0.79 0.00	67.29 0.80 0.00	69.22 0.89 0.00	70.10 1.04 0.00	63.40 0.88 0.00	60.76 1.07 0.00	59.07 0.99 0.00	58.56 1.04 0.00	57.58 1.02 0.00	69.16 0.41 0.00	71.03 0.14 0.00	67.06 -0.34 0.00	67.38 -0.61 0.00	59.84 -0.67 0.00	56.22 -0.40 0.00	56.33 -0.06 0.00	56.05 -0.23 0.00
LACHUTE____HYDRO 323717	97.09 5.79 -35.09	86.91 5.55 -25.27	82.21 5.62 -20.44	81.87 5.62 -20.10	84.44 5.79 -22.43	100.09 6.09 -37.61	136.40 7.46 -68.23	171.17 7.93 -102.22	142.42 8.91 -67.02	138.66 9.43 -60.90	132.92 9.67 -54.19	132.15 8.69 -60.94	126.96 8.18 -59.10	125.37 7.79 -59.50	123.98 7.53 -58.92	125.21 7.69 -60.96	133.26 9.49 -55.02	154.16 10.14 -73.14	149.32 9.43 -72.49	140.43 9.52 -62.92	131.73 8.23 -62.99	124.50 7.53 -60.35	118.10 6.99 -54.73	118.05 6.47 -55.31
LAWRNCALV_115KV_TB1 80681	54.81 -1.41 0.00	54.74 -1.35 0.00	54.75 -1.40 0.00	54.81 -1.35 0.00	54.81 -1.41 0.00	54.58 -1.80 0.00	56.94 -3.76 0.00	57.54 -3.48 0.00	62.76 -3.72 0.00	64.51 -3.83 0.00	65.26 -3.80 0.00	59.08 -3.44 0.00	57.66 -2.03 0.00	56.28 -1.80 0.00	55.74 -1.78 0.00	54.86 -1.70 0.00	64.83 -3.92 0.00	66.77 -4.11 0.00	63.35 -4.04 0.00	63.98 -4.01 0.00	57.00 -3.51 0.00	54.58 -2.04 0.00	54.97 -1.41 0.00	54.87 -1.41 0.00
LEDERLE____ 23769	86.74 3.99 -26.53	79.01 3.81 -19.11	75.49 3.87 -15.46	75.18 3.82 -15.20	77.00 3.82 -16.96	88.71 3.89 -28.44	117.15 4.86 -51.60	143.32 5.00 -77.30	122.91 5.39 -51.04	120.44 5.47 -46.64	117.24 5.52 -42.65	114.82 5.00 -47.29	110.31 4.60 -46.03	108.86 4.41 -46.37	107.86 4.37 -45.96	108.34 4.30 -47.48	117.35 5.43 -43.17	133.75 5.74 -57.12	129.21 5.59 -56.22	123.00 5.51 -49.50	114.19 4.84 -48.84	107.66 4.30 -46.74	102.84 4.12 -42.34	102.30 3.83 -42.20
LIGHTHSE_115KV_TB6 355974	57.41 -0.79 -1.98	56.62 -0.90 -1.43	56.41 -0.90 -1.15	56.39 -0.90 -1.13	56.58 -0.90 -1.27	57.66 -0.85 -2.12	64.43 -0.12 -3.85	66.79 0.00 -5.77	70.20 -0.07 -3.78	71.77 0.00 -3.44	72.05 -0.07 -3.06	66.02 0.06 -3.44	62.90 -0.12 -3.34	61.26 -0.17 -3.36	60.74 -0.12 -3.33	59.89 -0.11 -3.44	72.00 0.14 -3.11	75.17 0.14 -4.14	71.63 0.13 -4.10	71.55 0.00 -3.56	63.95 -0.12 -3.57	59.86 -0.17 -3.42	59.14 -0.34 -3.10	58.90 -0.51 -3.13
LINDEN COGEN____ 23786	88.08 4.33 -27.54	80.08 4.15 -19.83	76.35 4.16 -16.04	76.03 4.10 -15.78	77.92 4.10 -17.61	90.19 4.28 -29.52	119.26 5.04 -53.53	137.46 5.25 -71.20	134.40 5.85 -62.06	125.41 6.01 -51.06	125.14 6.08 -50.00	121.19 5.50 -53.17	120.19 5.19 -55.31	120.20 5.00 -57.12	120.19 4.89 -57.78	120.25 4.80 -58.88	118.18 6.05 -43.39	117.18 6.38 -39.91	117.19 6.13 -43.66	117.25 6.12 -43.14	117.94 5.33 -52.11	118.52 4.81 -57.10	124.27 4.62 -63.26	117.04 4.39 -56.37
LINDHRST_69_KV_BK1 356055	97.36 6.13 -35.02	89.00 6.00 -26.90	78.15 5.95 -16.04	77.88 5.95 -15.77	88.88 5.96 -26.71	112.64 6.09 -50.16	148.22 7.22 -80.30	152.04 7.44 -83.58	150.88 8.11 -76.28	147.96 8.20 -71.42	149.15 8.29 -71.80	150.59 7.50 -80.57	148.67 6.92 -82.07	150.32 6.74 -85.50	150.30 6.67 -86.10	148.81 6.56 -85.69	152.14 8.32 -75.08	156.12 8.79 -76.45	155.04 8.49 -79.15	153.73 8.36 -77.38	151.11 7.38 -83.22	148.63 6.62 -85.39	139.18 6.37 -76.42	109.96 6.13 -47.55
LIPA_MISC_IPP 23656	97.08 5.85 -35.02	88.94 5.95 -26.90	78.32 6.12 -16.04	78.05 6.12 -15.77	88.88 5.96 -26.71	112.52 5.98 -50.16	148.28 7.28 -80.30	152.35 7.75 -83.58	150.48 7.71 -76.28	146.73 6.97 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.72 5.97 -82.07	149.45 5.87 -85.50	149.44 5.81 -86.10	147.96 5.71 -85.69	151.11 7.29 -75.08	154.92 7.58 -76.45	153.89 7.35 -79.15	152.71 7.34 -77.38	150.20 6.47 -83.22	147.78 5.77 -85.39	138.33 5.53 -76.42	109.23 5.40 -47.55
LISF__SOLAR 323691	97.19 5.96 -35.02	89.05 6.06 -26.90	78.43 6.23 -16.04	78.11 6.18 -15.77	88.99 6.07 -26.71	112.75 6.20 -50.16	148.46 7.46 -80.30	152.47 7.87 -83.58	150.68 7.91 -76.28	146.86 7.11 -71.42	148.18 7.32 -71.80	149.71 6.62 -80.57	147.96 6.21 -82.07	149.57 5.98 -85.50	149.61 5.98 -86.10	148.08 5.83 -85.69	151.26 7.43 -75.09	155.08 7.73 -76.46	154.04 7.48 -79.16	152.93 7.55 -77.39	150.34 6.60 -83.23	147.95 5.94 -85.39	138.45 5.64 -76.42	109.34 5.52 -47.55
LITTLE FALLS____HYD 24013	59.75 3.54 0.00	59.57 3.48 0.00	59.64 3.48 0.00	59.64 3.48 0.00	59.70 3.49 0.00	59.94 3.55 0.00	64.83 4.13 0.00	65.10 4.09 0.00	70.94 4.45 0.00	72.91 4.58 0.00	73.69 4.63 0.00	66.90 4.38 0.00	63.74 4.06 0.00	62.03 3.95 0.00	61.32 3.80 0.00	60.24 3.68 0.00	73.22 4.47 0.00	75.35 4.47 0.00	71.58 4.18 0.00	72.07 4.08 0.00	64.02 3.51 0.00	59.90 3.28 0.00	59.54 3.16 0.00	59.31 3.04 0.00
LITTLRIV_115KV_TB1 356100	55.37 -0.84 0.00	55.31 -0.79 0.00	55.26 -0.90 0.00	55.37 -0.79 0.00	55.37 -0.84 0.00	55.20 -1.18 0.00	57.85 -2.85 0.00	58.51 -2.50 0.00	63.89 -2.59 0.00	65.60 -2.73 0.00	66.44 -2.62 0.00	60.08 -2.44 0.00	58.61 -1.07 0.00	57.21 -0.87 0.00	56.66 -0.86 0.00	55.71 -0.85 0.00	65.86 -2.89 0.00	67.77 -3.12 0.00	64.30 -3.10 0.00	64.93 -3.06 0.00	57.91 -2.60 0.00	55.26 -1.36 0.00	55.59 -0.79 0.00	55.48 -0.79 0.00



LI_NEWBRDGE___DRP 323616	96.24 5.00 -35.02	87.88 4.88 -26.90	77.02 4.83 -16.04	76.76 4.83 -15.77	87.75 4.83 -26.71	111.45 4.91 -50.16	146.89 5.89 -80.30	150.64 6.04 -83.58	149.42 6.65 -76.28	146.52 6.77 -71.42	147.70 6.84 -71.80	149.28 6.19 -80.57	147.48 5.73 -82.07	149.16 5.58 -85.50	149.15 5.52 -86.10	147.68 5.43 -85.69	150.63 6.81 -75.08	154.49 7.16 -76.45	153.42 6.87 -79.15	152.23 6.87 -77.38	149.72 5.99 -83.22	147.44 5.44 -85.39	138.05 5.24 -76.42	108.83 5.01 -47.55
LOCKPORT_115KV_TB60_63_64 80432	55.73 -4.50 -4.01	54.27 -4.71 -2.89	54.06 -4.44 -2.34	53.96 -4.49 -2.30	54.51 -4.27 -2.57	56.63 -4.06 -4.30	65.65 -2.85 -7.81	68.56 -4.15 -11.69	68.83 -5.32 -7.67	70.04 -5.26 -6.97	69.80 -5.46 -6.20	64.62 -4.88 -6.97	61.01 -5.43 -6.76	59.66 -5.23 -6.81	59.15 -5.12 -6.74	58.33 -5.20 -6.97	70.03 -5.02 -6.30	73.94 -5.32 -8.37	70.77 -4.92 -8.29	70.02 -5.17 -7.20	62.76 -4.96 -7.21	58.54 -4.98 -6.91	57.29 -5.36 -6.26	57.65 -4.95 -6.33
LOCKPORT___CC1 323769	55.54 -4.72 -4.05	54.07 -4.94 -2.91	53.91 -4.60 -2.36	53.76 -4.72 -2.32	54.30 -4.50 -2.59	56.88 -3.84 -4.34	65.47 -3.09 -7.87	68.35 -4.45 -11.79	68.63 -5.58 -7.73	69.75 -5.60 -7.02	69.51 -5.80 -6.25	64.36 -5.19 -7.03	61.67 -4.83 -6.82	59.71 -5.23 -6.86	58.91 -5.41 -6.79	58.10 -5.49 -7.03	69.73 -5.36 -6.35	73.65 -5.67 -8.44	70.50 -5.26 -8.36	69.74 -5.50 -7.26	62.51 -5.26 -7.27	58.31 -5.26 -6.96	57.17 -5.52 -6.31	57.48 -5.18 -6.38
LOCKPORT___CC2 323770	55.54 -4.72 -4.05	54.07 -4.94 -2.91	53.91 -4.60 -2.36	53.76 -4.72 -2.32	54.30 -4.50 -2.59	56.88 -3.84 -4.34	65.47 -3.09 -7.87	68.35 -4.45 -11.79	68.63 -5.58 -7.73	69.75 -5.60 -7.02	69.51 -5.80 -6.25	64.36 -5.19 -7.03	61.67 -4.83 -6.82	59.71 -5.23 -6.86	58.91 -5.41 -6.79	58.10 -5.49 -7.03	69.73 -5.36 -6.35	73.65 -5.67 -8.44	70.50 -5.26 -8.36	69.74 -5.50 -7.26	62.51 -5.26 -7.27	58.31 -5.26 -6.96	57.17 -5.52 -6.31	57.48 -5.18 -6.38
LOCKPORT___CC3 323771	55.54 -4.72 -4.05	54.07 -4.94 -2.91	53.91 -4.60 -2.36	53.76 -4.72 -2.32	54.30 -4.50 -2.59	56.88 -3.84 -4.34	65.47 -3.09 -7.87	68.35 -4.45 -11.79	68.63 -5.58 -7.73	69.75 -5.60 -7.02	69.51 -5.80 -6.25	64.36 -5.19 -7.03	61.67 -4.83 -6.82	59.71 -5.23 -6.86	58.91 -5.41 -6.79	58.10 -5.49 -7.03	69.73 -5.36 -6.35	73.65 -5.67 -8.44	70.50 -5.26 -8.36	69.74 -5.50 -7.26	62.51 -5.26 -7.27	58.31 -5.26 -6.96	57.17 -5.52 -6.31	57.48 -5.18 -6.38
LONG_LAKE_PHOENIX 24014	57.07 -1.35 -2.21	56.22 -1.46 -1.59	56.04 -1.40 -1.29	55.96 -1.46 -1.26	56.27 -1.35 -1.41	57.45 -1.30 -2.37	64.20 -0.79 -4.29	66.71 -0.73 -6.43	69.84 -0.86 -4.21	71.34 -0.82 -3.83	71.64 -0.83 -3.41	65.60 -0.75 -3.83	62.51 -0.90 -3.72	60.95 -0.87 -3.74	60.37 -0.86 -3.71	59.49 -0.90 -3.83	71.46 -0.76 -3.47	74.79 -0.71 -4.61	71.29 -0.67 -4.57	71.14 -0.82 -3.97	63.70 -0.79 -3.97	59.52 -0.91 -3.81	58.71 -1.13 -3.45	58.58 -1.18 -3.49
LOVETT___3 23632	86.60 3.77 -26.63	78.91 3.65 -19.17	75.32 3.65 -15.51	75.06 3.65 -15.25	76.83 3.60 -17.02	88.59 3.66 -28.54	117.03 4.55 -51.78	143.28 4.70 -77.57	122.77 5.05 -51.23	120.22 5.06 -46.83	117.03 5.11 -42.86	114.65 4.63 -47.50	110.22 4.30 -46.24	108.78 4.12 -46.58	107.78 4.08 -46.17	108.28 4.02 -47.70	117.22 5.09 -43.38	133.66 5.39 -57.38	129.06 5.19 -56.47	122.90 5.17 -49.75	114.10 4.54 -49.05	107.57 4.02 -46.94	102.74 3.83 -42.52	102.23 3.60 -42.36
LOVETT___4 23642	86.60 3.77 -26.63	78.91 3.65 -19.17	75.32 3.65 -15.51	75.06 3.65 -15.25	76.83 3.60 -17.02	88.59 3.66 -28.54	117.03 4.55 -51.78	143.28 4.70 -77.57	122.77 5.05 -51.23	120.22 5.06 -46.83	117.03 5.11 -42.86	114.65 4.63 -47.50	110.22 4.30 -46.24	108.78 4.12 -46.58	107.78 4.08 -46.17	108.28 4.02 -47.70	117.22 5.09 -43.38	133.66 5.39 -57.38	129.06 5.19 -56.47	122.90 5.17 -49.75	114.10 4.54 -49.05	107.57 4.02 -46.94	102.74 3.83 -42.52	102.23 3.60 -42.36
LOVETT___5 23593	86.60 3.77 -26.63	78.91 3.65 -19.17	75.32 3.65 -15.51	75.06 3.65 -15.25	76.83 3.60 -17.02	88.59 3.66 -28.54	117.03 4.55 -51.78	143.28 4.70 -77.57	122.77 5.05 -51.23	120.22 5.06 -46.83	117.03 5.11 -42.86	114.65 4.63 -47.50	110.22 4.30 -46.24	108.78 4.12 -46.58	107.78 4.08 -46.17	108.28 4.02 -47.70	117.22 5.09 -43.38	133.66 5.39 -57.38	129.06 5.19 -56.47	122.90 5.17 -49.75	114.10 4.54 -49.05	107.57 4.02 -46.94	102.74 3.83 -42.52	102.23 3.60 -42.36
LOWER RAQUET___HYD 24057	54.64 -1.57 0.00	54.58 -1.51 0.00	54.58 -1.57 0.00	54.70 -1.46 0.00	54.64 -1.57 0.00	54.24 -2.14 0.00	56.81 -3.89 0.00	57.42 -3.60 0.00	62.63 -3.86 0.00	64.37 -3.97 0.00	65.13 -3.93 0.00	58.96 -3.56 0.00	56.46 -3.22 0.00	55.75 -2.32 0.00	55.57 -1.96 0.00	54.70 -1.87 0.00	64.69 -4.06 0.00	66.63 -4.25 0.00	63.22 -4.18 0.00	63.84 -4.15 0.00	56.88 -3.63 0.00	54.41 -2.21 0.00	54.80 -1.58 0.00	54.70 -1.58 0.00
LOWER___HUDSON 24059	93.60 2.92 -34.47	83.83 2.91 -24.82	79.21 2.97 -20.08	78.88 2.97 -19.75	81.28 3.03 -22.04	96.43 3.10 -36.95	131.12 3.40 -67.03	164.73 3.29 -100.42	136.11 3.79 -65.84	132.11 3.96 -59.82	126.23 3.93 -53.24	125.95 3.56 -59.86	121.20 3.46 -58.06	119.84 3.31 -58.45	118.69 3.28 -57.88	119.61 3.17 -59.88	126.78 3.99 -54.04	146.84 4.11 -71.84	142.51 3.91 -71.21	133.74 3.94 -61.81	125.83 3.45 -61.87	119.07 3.17 -59.28	113.30 3.16 -53.76	113.58 2.98 -54.33
LOWVILLE_115KV_TB2 356335	57.93 0.67 -1.05	57.40 0.56 -0.75	57.21 0.45 -0.61	57.37 0.62 -0.60	57.50 0.62 -0.67	58.24 0.73 -1.12	64.19 1.46 -2.03	65.77 1.71 -3.04	70.41 1.93 -2.00	71.99 1.85 -1.81	72.40 1.73 -1.61	66.02 1.69 -1.82	63.12 1.67 -1.76	61.42 1.57 -1.77	60.89 1.61 -1.76	59.96 1.58 -1.82	72.38 1.99 -1.64	75.26 2.20 -2.18	71.65 2.09 -2.16	71.77 1.90 -1.88	64.02 1.63 -1.88	59.89 1.47 -1.80	59.31 1.30 -1.63	59.05 1.13 -1.65
LUTHERFT_115KV_GLOB_FND_222 355753	94.73 3.49 -35.03	84.74 3.42 -25.23	79.99 3.43 -20.41	79.65 3.43 -20.07	82.15 3.54 -22.40	97.55 3.61 -37.56	133.14 4.31 -68.13	167.42 4.33 -102.07	138.26 4.85 -66.92	134.26 5.13 -60.80	128.35 5.18 -54.11	128.06 4.69 -60.85	123.11 4.42 -59.01	121.73 4.24 -59.41	120.50 4.14 -58.83	121.61 4.19 -60.86	128.91 5.22 -54.94	149.38 5.46 -73.04	144.91 5.12 -72.39	135.99 5.17 -62.83	127.95 4.54 -62.90	121.01 4.13 -60.26	114.98 3.95 -54.65	115.21 3.71 -55.22
LUTHERNY_35_KV_BK2 355980	94.73 3.49 -35.03	84.80 3.48 -25.23	80.05 3.48 -20.41	79.71 3.48 -20.07	82.15 3.54 -22.40	97.60 3.66 -37.56	133.14 4.31 -68.13	167.48 4.39 -102.07	138.33 4.92 -66.92	134.33 5.19 -60.80	128.42 5.25 -54.11	128.12 4.75 -60.85	123.17 4.48 -59.01	121.79 4.30 -59.41	120.56 4.20 -58.83	121.67 4.24 -60.86	128.98 5.29 -54.94	149.45 5.53 -73.04	144.97 5.19 -72.39	136.06 5.24 -62.83	128.01 4.60 -62.90	121.06 4.19 -60.26	115.03 4.00 -54.65	115.21 3.71 -55.22
LWR___OSWEGATCHIE_HYD 23850	55.95 -1.01 -0.75	55.57 -1.07 -0.54	55.47 -1.12 -0.44	55.58 -1.01 -0.43	55.68 -1.01 -0.48	56.01 -1.18 -0.81	60.47 -1.70 -1.47	61.81 -1.40 -2.20	66.47 -1.46 -1.44	68.07 -1.57 -1.31	68.57 -1.66 -1.17	62.39 -1.44 -1.31	60.18 -0.78 -1.27	58.66 -0.70 -1.28	58.10 -0.69 -1.27	57.25 -0.62 -1.31	68.35 -1.58 -1.19	70.90 -1.56 -1.58	67.41 -1.55 -1.56	67.71 -1.63 -1.36	60.41 -1.45 -1.36	57.07 -0.85 -1.30	56.94 -0.62 -1.18	56.73 -0.73 -1.19



LYONS_FALL_HYD 23570	58.40 1.18 -1.01	57.88 1.06 -0.73	57.76 1.01 -0.59	57.86 1.12 -0.58	57.98 1.12 -0.65	58.76 1.30 -1.08	64.78 2.12 -1.96	66.27 2.32 -2.94	70.94 2.53 -1.93	72.61 2.53 -1.75	72.89 2.28 -1.56	66.59 2.31 -1.75	63.53 2.15 -1.70	61.88 2.09 -1.71	61.29 2.07 -1.69	60.35 2.03 -1.75	72.94 2.61 -1.58	75.75 2.76 -2.11	72.18 2.70 -2.09	72.38 2.58 -1.81	64.56 2.24 -1.81	60.28 1.93 -1.74	59.71 1.75 -1.58	59.44 1.57 -1.59
MADISON___COUNTY_LFGE 323628	59.69 1.80 -1.68	58.99 1.68 -1.21	58.82 1.68 -0.98	58.86 1.74 -0.96	59.09 1.80 -1.08	60.22 2.03 -1.80	67.07 3.10 -3.27	69.21 3.29 -4.90	73.22 3.52 -3.21	74.81 3.55 -2.92	75.11 3.45 -2.60	68.63 3.19 -2.92	65.44 2.92 -2.83	63.72 2.79 -2.85	63.11 2.76 -2.83	62.14 2.66 -2.92	74.96 3.57 -2.64	78.01 3.62 -3.51	74.38 3.50 -3.48	74.34 3.33 -3.02	66.44 2.90 -3.02	61.95 2.43 -2.90	61.15 2.14 -2.63	60.95 2.03 -2.65
MALONE___115KV_TB1 356076	56.55 0.34 0.00	56.48 0.39 0.00	56.55 0.39 0.00	56.61 0.45 0.00	56.66 0.45 0.00	56.67 0.28 0.00	59.97 -0.73 0.00	60.71 -0.31 0.00	66.15 -0.33 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.98 0.30 0.00	58.31 0.23 0.00	57.81 0.29 0.00	56.84 0.28 0.00	68.06 -0.69 0.00	69.96 -0.92 0.00	66.12 -1.28 0.00	66.56 -1.43 0.00	59.18 -1.33 0.00	55.82 -0.79 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00
MAPLEWOD_115KV_TB3 80458	93.39 2.92 -34.25	83.68 2.92 -24.67	79.03 2.92 -19.95	78.70 2.92 -19.63	81.09 2.98 -21.90	96.03 2.93 -36.72	130.35 3.03 -66.61	163.74 2.93 -99.80	135.31 3.39 -65.43	131.34 3.55 -59.45	125.56 3.59 -52.91	125.27 3.25 -59.49	120.49 3.10 -57.70	119.19 3.02 -58.09	118.04 2.99 -57.52	119.01 2.94 -59.51	126.11 3.64 -53.72	146.05 3.76 -71.41	141.68 3.50 -70.78	132.96 3.54 -61.44	125.10 3.09 -61.50	118.42 2.89 -58.91	112.69 2.88 -53.43	113.08 2.81 -53.99
MAPLE_RIDGE_WT_1 323574	55.88 -0.34 0.00	55.76 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.39 0.00	55.87 -0.51 0.00	59.79 -0.91 0.00	60.16 -0.85 0.00	65.56 -0.93 0.00	67.44 -0.89 0.00	68.16 -0.90 0.00	61.71 -0.81 0.00	58.91 -0.78 0.00	57.44 -0.64 0.00	56.95 -0.58 0.00	56.05 -0.51 0.00	67.79 -0.96 0.00	69.82 -1.06 0.00	66.32 -1.08 0.00	66.90 -1.09 0.00	59.60 -0.91 0.00	55.94 -0.68 0.00	55.82 -0.56 0.00	55.77 -0.51 0.00
MAPLE_RIDGE_WT_2 323611	55.88 -0.34 0.00	55.76 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.39 0.00	55.87 -0.51 0.00	59.79 -0.91 0.00	60.16 -0.85 0.00	65.56 -0.93 0.00	67.44 -0.89 0.00	68.16 -0.90 0.00	61.71 -0.81 0.00	58.91 -0.78 0.00	57.44 -0.64 0.00	56.95 -0.58 0.00	56.05 -0.51 0.00	67.79 -0.96 0.00	69.82 -1.06 0.00	66.32 -1.08 0.00	66.90 -1.09 0.00	59.60 -0.91 0.00	55.94 -0.68 0.00	55.82 -0.56 0.00	55.77 -0.51 0.00
MARBLE_RIVER_WT_PWR 323696	56.49 0.28 0.00	56.43 0.34 0.00	56.50 0.34 0.00	56.55 0.40 0.00	56.61 0.40 0.00	56.61 0.23 0.00	60.15 -0.55 0.00	60.77 -0.24 0.00	66.16 -0.33 0.00	68.06 -0.27 0.00	68.85 -0.21 0.00	62.33 -0.19 0.00	59.39 -0.30 0.00	57.96 -0.12 0.00	57.58 0.06 0.00	56.62 0.06 0.00	67.99 -0.75 0.00	69.75 -1.14 0.00	65.85 -1.55 0.00	66.22 -1.77 0.00	58.88 -1.63 0.00	55.37 -1.25 0.00	55.48 -0.90 0.00	55.32 -0.96 0.00
MARSHVLE_115KV_TB1 80742	98.59 2.30 -40.08	87.20 2.24 -28.86	81.69 2.19 -23.34	81.36 2.25 -22.96	84.20 2.36 -25.62	101.99 2.65 -42.96	142.34 3.70 -77.93	181.86 4.09 -116.76	147.43 4.39 -76.55	142.40 4.51 -69.55	135.73 4.77 -61.90	136.32 4.19 -69.60	130.89 3.70 -67.51	129.64 3.60 -67.96	128.45 3.62 -67.30	130.09 3.90 -69.62	136.34 4.74 -62.85	159.61 5.17 -83.55	155.05 4.85 -82.80	144.69 4.83 -71.88	136.58 4.11 -71.95	129.62 4.08 -68.93	122.39 3.50 -62.51	122.48 3.04 -63.17
MARSH_HILL_WT_PWR 323713	61.27 -0.62 -5.68	59.34 -0.84 -4.09	58.85 -0.62 -3.31	58.79 -0.62 -3.25	59.45 -0.39 -3.63	62.64 0.17 -6.08	73.07 1.33 -11.04	78.47 0.92 -16.53	77.73 0.40 -10.84	78.60 0.41 -9.85	78.03 0.21 -8.77	72.50 0.13 -9.86	69.18 -0.06 -9.56	67.18 -0.52 -9.62	66.31 -0.75 -9.53	65.51 -0.91 -9.86	77.63 0.00 -8.88	82.84 0.14 -11.81	79.44 0.34 -11.71	78.08 -0.07 -10.16	70.26 -0.42 -10.17	65.57 -0.79 -9.75	64.09 -1.13 -8.84	64.19 -1.01 -8.93
MCINTYRE_115KV_TB2 80467	55.76 -0.45 0.00	55.70 -0.39 0.00	55.65 -0.51 0.00	55.82 -0.34 0.00	55.76 -0.45 0.00	55.71 -0.68 0.00	58.33 -2.37 0.00	59.06 -1.95 0.00	64.43 -2.06 0.00	66.15 -2.19 0.00	66.99 -2.07 0.00	60.58 -1.94 0.00	59.09 -0.60 0.00	57.67 -0.41 0.00	57.07 -0.46 0.00	56.11 -0.45 0.00	66.41 -2.34 0.00	68.33 -2.55 0.00	64.90 -2.49 0.00	65.54 -2.45 0.00	58.39 -2.12 0.00	55.77 -0.85 0.00	55.99 -0.39 0.00	55.88 -0.39 0.00
MECO_____69_KV_BK1 80468	100.21 5.45 -38.55	89.13 5.27 -27.76	83.95 5.33 -22.45	83.63 5.39 -22.09	86.48 5.62 -24.65	103.68 5.98 -41.32	143.49 7.83 -74.96	181.68 8.36 -112.31	149.09 8.98 -73.63	144.53 9.29 -66.90	138.27 9.67 -59.54	138.04 8.57 -66.95	132.43 7.82 -64.93	131.12 7.67 -65.37	129.91 7.65 -64.73	131.73 8.20 -66.97	139.24 10.04 -60.45	161.95 10.70 -80.36	156.88 9.84 -79.65	147.12 9.99 -69.14	138.37 8.65 -69.21	131.01 8.10 -66.30	123.84 7.33 -60.13	123.68 6.64 -60.76
MENANDS___115KV_TB5 355628	93.15 2.75 -34.19	83.46 2.75 -24.62	78.82 2.75 -19.91	78.50 2.75 -19.59	80.88 2.81 -21.86	95.79 2.76 -36.65	129.85 2.67 -66.48	163.18 2.56 -99.60	134.78 2.99 -65.30	130.81 3.14 -59.33	125.04 3.18 -52.81	124.78 2.88 -59.38	120.02 2.75 -57.59	118.73 2.67 -57.98	117.59 2.65 -57.41	118.56 2.60 -59.39	125.59 3.23 -53.61	145.42 3.26 -71.27	141.14 3.10 -70.64	132.37 3.06 -61.32	124.61 2.72 -61.38	117.96 2.55 -58.80	112.30 2.59 -53.33	112.75 2.59 -53.89
MG INDUSTRY___DRP 24185	92.24 2.59 -33.45	82.76 2.58 -24.09	78.28 2.64 -19.48	77.90 2.58 -19.16	80.24 2.64 -21.39	94.83 2.59 -35.85	128.29 2.55 -65.04	160.90 2.44 -97.44	133.17 2.79 -63.89	129.32 2.94 -58.05	123.69 2.97 -51.66	123.30 2.69 -58.09	118.53 2.51 -56.34	117.30 2.50 -56.72	116.17 2.47 -56.17	117.10 2.43 -58.11	124.23 3.02 -52.45	143.73 3.12 -69.73	139.40 2.90 -69.11	130.90 2.92 -59.99	123.10 2.54 -60.05	116.55 2.43 -57.50	111.02 2.48 -52.15	111.51 2.53 -52.70
MID___OSWEGATCHIE_HYD 23849	55.95 -1.01 -0.75	55.57 -1.07 -0.54	55.47 -1.12 -0.44	55.58 -1.01 -0.43	55.68 -1.01 -0.48	56.01 -1.18 -0.81	60.47 -1.70 -1.47	61.81 -1.40 -2.20	66.47 -1.46 -1.44	68.07 -1.57 -1.31	68.57 -1.66 -1.17	62.39 -1.44 -1.31	60.18 -0.78 -1.27	58.66 -0.70 -1.28	58.10 -0.69 -1.27	57.25 -0.62 -1.31	68.35 -1.58 -1.19	70.90 -1.56 -1.58	67.41 -1.55 -1.56	67.71 -1.63 -1.36	60.41 -1.45 -1.36	57.07 -0.85 -1.30	56.94 -0.62 -1.18	56.73 -0.73 -1.19
MID___RAQUETTE_HYD 23851	54.64 -1.57 0.00	54.58 -1.51 0.00	54.58 -1.57 0.00	54.70 -1.46 0.00	54.64 -1.57 0.00	54.35 -2.03 0.00	56.81 -3.88 0.00	57.42 -3.60 0.00	62.63 -3.86 0.00	64.37 -3.96 0.00	65.12 -3.94 0.00	58.96 -3.56 0.00	57.54 -2.15 0.00	56.10 -1.97 0.00	55.57 -1.96 0.00	54.69 -1.87 0.00	64.69 -4.06 0.00	66.63 -4.25 0.00	63.22 -4.18 0.00	63.84 -4.15 0.00	56.88 -3.63 0.00	54.41 -2.21 0.00	54.86 -1.52 0.00	54.70 -1.58 0.00



MILLIKEN___1 23584	62.43 0.96 -5.26	60.67 0.79 -3.79	60.06 0.84 -3.07	60.01 0.84 -3.02	60.53 0.96 -3.37	63.15 1.13 -5.64	73.12 2.19 -10.24	78.67 2.32 -15.33	78.93 2.39 -10.05	79.86 2.39 -9.13	79.54 2.35 -8.13	73.73 2.06 -9.14	70.28 1.73 -8.87	68.63 1.63 -8.93	67.98 1.61 -8.84	67.29 1.58 -9.14	80.07 2.54 -8.78	85.32 2.76 -11.67	81.73 2.76 -11.57	80.54 2.52 -10.04	72.62 2.06 -10.05	67.95 1.70 -9.63	66.36 1.24 -8.73	66.28 1.18 -8.83
MILLIKEN___2 23585	62.43 0.96 -5.26	60.67 0.79 -3.79	60.06 0.84 -3.07	60.01 0.84 -3.02	60.53 0.96 -3.37	63.15 1.13 -5.64	73.12 2.19 -10.24	78.67 2.32 -15.33	78.93 2.39 -10.05	79.86 2.39 -9.13	79.54 2.35 -8.13	73.73 2.06 -9.14	70.28 1.73 -8.87	68.63 1.63 -8.93	67.98 1.61 -8.84	67.29 1.58 -9.14	80.07 2.54 -8.78	85.32 2.76 -11.67	81.73 2.76 -11.57	80.54 2.52 -10.04	72.62 2.06 -10.05	67.95 1.70 -9.63	66.36 1.24 -8.73	66.28 1.18 -8.83
MILLIKEN___DIESEL 23629	62.43 0.96 -5.26	60.67 0.79 -3.79	60.06 0.84 -3.07	60.01 0.84 -3.02	60.53 0.96 -3.37	63.15 1.13 -5.64	73.12 2.19 -10.24	78.67 2.32 -15.33	78.93 2.39 -10.05	79.86 2.39 -9.13	79.54 2.35 -8.13	73.73 2.06 -9.14	70.28 1.73 -8.87	68.63 1.63 -8.93	67.98 1.61 -8.84	67.29 1.58 -9.14	80.07 2.54 -8.78	85.32 2.76 -11.67	81.73 2.76 -11.57	80.54 2.52 -10.04	72.62 2.06 -10.05	67.95 1.70 -9.63	66.36 1.24 -8.73	66.28 1.18 -8.83
MILLSEAT___LFGE 323607	56.91 -3.20 -3.90	55.47 -3.42 -2.81	55.23 -3.20 -2.27	55.13 -3.26 -2.23	55.67 -3.04 -2.49	58.25 -2.31 -4.18	67.06 -1.21 -7.58	69.99 -2.38 -11.35	70.67 -3.26 -7.44	71.82 -3.28 -6.76	71.69 -3.38 -6.02	66.23 -3.06 -6.77	63.32 -2.92 -6.56	61.38 -3.31 -6.61	60.56 -3.51 -6.54	59.77 -3.56 -6.77	71.84 -3.02 -6.11	75.89 -3.12 -8.13	72.55 -2.90 -8.05	71.85 -3.13 -6.99	64.30 -3.21 -7.00	59.93 -3.40 -6.71	58.69 -3.78 -6.08	58.87 -3.54 -6.15
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	87.64 4.10 -27.33	79.70 3.93 -19.68	76.01 3.93 -15.92	75.75 3.93 -15.66	77.56 3.88 -17.47	89.63 3.95 -29.30	118.70 4.86 -53.15	145.64 5.00 -79.62	124.70 5.52 -52.70	122.26 5.67 -48.25	119.31 5.73 -44.52	116.85 5.19 -49.14	112.34 4.77 -47.88	110.97 4.65 -48.25	109.91 4.54 -47.84	110.43 4.47 -49.40	119.41 5.64 -45.02	136.38 6.03 -59.47	131.60 5.80 -58.40	125.37 5.71 -51.67	116.26 5.02 -50.73	109.64 4.53 -48.50	104.64 4.34 -43.92	103.90 4.05 -43.57
MILLWOOD_13_KV_LOAD 356217	87.70 4.16 -27.33	79.81 4.04 -19.68	76.12 4.04 -15.92	75.86 4.04 -15.66	77.68 3.99 -17.47	89.68 4.00 -29.30	118.82 4.98 -53.15	145.82 5.19 -79.62	124.97 5.78 -52.70	122.46 5.88 -48.25	119.59 6.01 -44.52	117.04 5.38 -49.14	112.52 4.95 -47.88	111.15 4.82 -48.25	110.08 4.72 -47.84	110.60 4.64 -49.40	119.61 5.84 -45.02	136.59 6.24 -59.47	131.80 6.00 -58.40	125.64 5.98 -51.67	116.44 5.20 -50.73	109.81 4.70 -48.50	104.75 4.45 -43.92	104.01 4.16 -43.57
MODEL_CITY_ENERGY 24167	55.41 -4.89 -4.09	53.99 -5.05 -2.94	53.76 -4.77 -2.38	53.67 -4.83 -2.34	54.16 -4.66 -2.61	56.81 -3.95 -4.38	65.37 -3.28 -7.95	68.28 -4.64 -11.90	68.44 -5.85 -7.80	69.62 -5.81 -7.09	69.36 -6.01 -6.31	64.24 -5.38 -7.10	61.55 -5.01 -6.88	59.61 -5.40 -6.93	58.81 -5.58 -6.86	58.00 -5.66 -7.10	69.59 -5.57 -6.41	73.52 -5.88 -8.52	70.32 -5.53 -8.44	69.54 -5.78 -7.33	62.40 -5.45 -7.34	58.21 -5.44 -7.03	57.07 -5.69 -6.38	57.37 -5.35 -6.44
MODERN_LFGE___ 323580	55.41 -4.89 -4.09	53.99 -5.05 -2.94	53.76 -4.77 -2.38	53.67 -4.83 -2.34	54.16 -4.66 -2.61	56.81 -3.95 -4.38	65.37 -3.28 -7.95	68.28 -4.64 -11.90	68.44 -5.85 -7.80	69.62 -5.81 -7.09	69.36 -6.01 -6.31	64.24 -5.38 -7.10	61.55 -5.01 -6.88	59.61 -5.40 -6.93	58.81 -5.58 -6.86	58.00 -5.66 -7.10	69.59 -5.57 -6.41	73.52 -5.88 -8.52	70.32 -5.53 -8.44	69.54 -5.78 -7.33	62.40 -5.45 -7.34	58.21 -5.44 -7.03	57.07 -5.69 -6.38	57.37 -5.35 -6.44
MOHAWK_PAPER___DRP 24187	93.39 2.92 -34.25	83.68 2.92 -24.67	79.03 2.92 -19.95	78.70 2.92 -19.63	81.09 2.98 -21.90	96.03 2.93 -36.72	130.35 3.03 -66.61	163.74 2.93 -99.80	135.31 3.39 -65.43	131.34 3.55 -59.45	125.56 3.59 -52.91	125.27 3.25 -59.49	120.49 3.10 -57.70	119.19 3.02 -58.09	118.04 2.99 -57.52	119.01 2.94 -59.51	126.11 3.64 -53.72	146.05 3.76 -71.41	141.68 3.50 -70.78	132.96 3.54 -61.44	125.10 3.09 -61.50	118.42 2.89 -58.91	112.69 2.88 -53.43	113.08 2.81 -53.99
MOHICAN___35_KV_115KV_LD 80490	95.16 3.88 -35.07	85.10 3.76 -25.25	80.40 3.82 -20.43	80.07 3.82 -20.09	82.57 3.93 -22.42	98.03 4.06 -37.59	133.87 4.98 -68.19	168.36 5.19 -102.16	139.25 5.78 -66.98	135.34 6.15 -60.86	129.51 6.28 -54.16	129.05 5.63 -60.90	124.00 5.25 -59.06	122.60 5.05 -59.46	121.36 4.95 -58.89	122.51 5.03 -60.92	129.99 6.26 -54.99	150.58 6.59 -73.10	146.05 6.20 -72.45	137.14 6.26 -62.89	128.91 5.45 -62.96	121.85 4.93 -60.31	115.70 4.62 -54.70	115.82 4.28 -55.27
MONGAUP___HYD 23641	84.64 3.20 -25.23	77.28 3.03 -18.17	74.22 3.37 -14.69	73.92 3.31 -14.45	75.32 2.98 -16.13	86.52 3.10 -27.04	113.33 3.58 -49.05	138.04 3.54 -73.49	118.59 3.92 -48.18	115.94 3.82 -43.78	112.14 3.80 -39.28	109.71 3.37 -43.81	105.28 3.10 -42.49	103.82 2.96 -42.78	102.82 2.93 -42.36	103.38 3.00 -43.82	112.35 3.99 -39.61	128.36 4.47 -53.00	124.18 4.32 -52.47	117.88 4.22 -45.67	109.49 3.63 -45.35	103.23 3.17 -43.45	99.17 3.38 -39.41	99.24 3.15 -39.82
MONTAUK___DIESEL 23721	98.94 7.70 -35.02	90.85 7.85 -26.90	80.22 8.03 -16.04	79.96 8.03 -15.77	90.79 7.87 -26.71	114.50 7.95 -50.16	150.59 9.59 -80.30	154.85 10.25 -83.58	152.94 10.17 -76.28	148.91 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.63 7.88 -82.07	151.36 7.78 -85.50	151.34 7.71 -86.10	149.77 7.52 -85.69	153.45 9.62 -75.08	157.54 10.21 -76.45	156.38 9.84 -79.15	155.22 9.86 -77.38	152.32 8.59 -83.22	149.65 7.64 -85.39	140.08 7.27 -76.42	110.97 7.15 -47.55
MOONROAD_115KV_HARTFLD_TB1-2 355988	58.77 -2.19 -4.75	56.93 -2.58 -3.42	56.79 -2.13 -2.77	56.69 -2.19 -2.72	57.34 -1.91 -3.04	59.67 -1.80 -5.09	69.64 -0.30 -9.24	73.58 -1.28 -13.84	73.37 -2.19 -9.08	74.53 -2.05 -8.25	74.26 -2.14 -7.34	68.52 -2.25 -8.25	64.46 -3.22 -8.00	62.65 -3.48 -8.06	61.94 -3.57 -7.98	61.19 -3.62 -8.25	73.10 -3.09 -7.45	78.09 -2.69 -9.90	75.05 -2.16 -9.81	74.20 -2.31 -8.52	66.49 -2.54 -8.53	61.96 -2.83 -8.17	60.35 -3.44 -7.41	60.89 -2.87 -7.49
MORTIMER_115KV_TB3 55949	57.69 -1.85 -3.33	56.53 -1.96 -2.40	56.24 -1.85 -1.94	56.16 -1.91 -1.91	56.60 -1.74 -2.13	58.49 -1.47 -3.57	66.94 -0.24 -6.48	69.81 -0.92 -9.71	71.46 -1.40 -6.37	72.75 -1.37 -5.78	72.76 -1.45 -5.15	67.00 -1.31 -5.79	63.45 -1.85 -5.61	61.93 -1.80 -5.65	61.40 -1.73 -5.60	60.54 -1.81 -5.79	72.74 -1.24 -5.23	76.57 -1.28 -6.96	73.15 -1.15 -6.89	72.68 -1.29 -5.98	64.99 -1.51 -5.99	60.60 -1.76 -5.74	59.50 -2.09 -5.21	59.56 -1.97 -5.26
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	88.42 4.67 -27.55	80.42 4.49 -19.84	76.69 4.49 -16.05	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.73 5.46 -53.57	146.94 5.67 -80.25	144.46 6.32 -71.66	154.00 6.42 -79.24	179.30 6.49 -103.75	180.52 5.88 -112.13	182.30 5.43 -117.18	182.99 5.29 -119.63	183.50 5.23 -120.74	183.24 5.09 -121.59	201.34 6.46 -126.13	201.28 6.81 -123.59	181.38 6.54 -107.45	194.20 6.53 -119.69	179.47 5.69 -113.27	165.49 5.15 -103.73	152.89 4.96 -91.55	122.47 4.67 -61.53



MUNSVILLE_WIND_PWR 323609	70.52 5.62 -8.68	67.68 5.33 -6.25	66.38 5.16 -5.06	66.52 5.39 -4.98	67.16 5.40 -5.55	71.67 5.97 -9.31	86.02 8.43 -16.89	95.04 8.72 -25.30	92.38 9.31 -16.59	93.10 9.70 -15.07	92.21 9.74 -13.41	86.04 8.44 -15.08	82.01 7.70 -14.63	80.00 7.20 -14.73	79.12 7.02 -14.58	78.43 6.78 -15.09	91.52 9.22 -13.55	99.04 10.14 -18.02	95.23 9.97 -17.86	93.08 9.59 -15.50	84.56 8.53 -15.52	78.95 7.47 -14.87	76.18 6.31 -13.48	75.98 6.08 -13.62
N SALMON___HYD 24042	56.55 0.34 0.00	56.49 0.40 0.00	56.55 0.40 0.00	56.60 0.45 0.00	56.66 0.45 0.00	56.55 0.17 0.00	59.97 -0.73 0.00	60.71 -0.30 0.00	66.16 -0.33 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.39 -0.30 0.00	58.14 0.06 0.00	57.82 0.29 0.00	56.84 0.28 0.00	68.06 -0.69 0.00	69.96 -0.92 0.00	66.11 -1.28 0.00	66.56 -1.43 0.00	59.18 -1.33 0.00	55.82 -0.79 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00
N.AKRON___115KV_KNAPP 355671	56.87 -3.26 -3.92	55.44 -3.48 -2.82	55.18 -3.26 -2.28	55.09 -3.31 -2.25	55.68 -3.04 -2.51	57.83 -2.76 -4.20	67.05 -1.27 -7.63	70.00 -2.44 -11.43	70.59 -3.39 -7.49	71.79 -3.35 -6.81	71.67 -3.45 -6.06	66.15 -3.19 -6.81	62.47 -3.82 -6.61	61.07 -3.66 -6.65	60.55 -3.57 -6.59	59.75 -3.62 -6.81	71.81 -3.09 -6.15	75.88 -3.19 -8.18	72.54 -2.97 -8.11	71.76 -3.26 -7.04	64.29 -3.27 -7.04	59.86 -3.51 -6.75	58.56 -3.95 -6.12	58.86 -3.60 -6.19
N.BELMOR_69_KV_BK1 55787	96.80 5.56 -35.02	88.38 5.38 -26.90	77.53 5.33 -16.04	77.27 5.33 -15.77	88.26 5.34 -26.71	112.02 5.47 -50.16	147.56 6.56 -80.30	151.37 6.77 -83.58	150.22 7.45 -76.28	147.34 7.59 -71.42	148.53 7.67 -71.80	150.09 7.00 -80.57	148.20 6.45 -82.07	149.85 6.27 -85.50	149.84 6.21 -86.10	148.36 6.11 -85.69	151.53 7.70 -75.08	155.49 8.15 -76.45	154.36 7.82 -79.15	153.12 7.75 -77.38	150.57 6.84 -83.22	148.18 6.17 -85.39	138.73 5.92 -76.42	109.45 5.63 -47.55
N.E_GEN_SANDY PD 24062	90.90 3.32 -31.37	82.05 3.37 -22.59	77.80 3.37 -18.27	77.50 3.37 -17.97	79.70 3.43 -20.06	93.51 3.50 -33.63	125.65 3.94 -61.01	156.20 3.78 -91.40	130.67 4.26 -59.92	127.22 4.44 -54.45	121.94 4.42 -48.46	121.01 4.00 -54.49	116.41 3.88 -52.84	115.00 3.72 -53.20	113.90 3.68 -52.68	114.57 3.51 -54.50	122.34 4.40 -49.19	140.88 4.60 -65.39	136.58 4.38 -64.81	128.60 4.36 -56.25	120.70 3.88 -56.31	114.14 3.57 -53.96	108.87 3.55 -48.93	109.04 3.32 -49.45
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	86.61 3.82 -26.58	78.93 3.70 -19.14	75.34 3.71 -15.48	75.09 3.71 -15.23	76.86 3.65 -16.99	88.60 3.72 -28.49	117.00 4.61 -51.69	143.21 4.76 -77.43	122.74 5.12 -51.13	120.26 5.19 -46.73	117.07 5.25 -42.76	114.67 4.75 -47.40	110.17 4.36 -46.13	108.79 4.24 -46.47	107.79 4.20 -46.07	108.23 4.07 -47.59	117.25 5.22 -43.28	133.67 5.53 -57.25	129.07 5.32 -56.34	122.85 5.24 -49.62	114.05 4.60 -48.95	107.59 4.13 -46.84	102.76 3.95 -42.43	102.21 3.66 -42.28
N.QUEENS_27_KV_LOAD 356247	89.10 5.34 -27.55	81.10 5.16 -19.84	77.43 5.22 -16.05	77.11 5.17 -15.79	79.00 5.17 -17.62	91.16 5.24 -29.53	120.40 6.13 -53.57	147.68 6.41 -80.25	142.46 6.78 -69.19	150.41 6.90 -75.18	162.71 7.04 -86.61	162.73 6.38 -93.83	162.69 5.97 -97.03	162.70 5.75 -98.87	162.76 5.70 -99.54	162.76 5.60 -100.60	178.33 7.08 -102.50	183.37 7.44 -105.04	170.68 7.14 -96.14	175.11 7.14 -99.98	171.83 6.29 -105.03	158.73 5.66 -96.45	147.13 5.47 -85.27	120.64 5.18 -59.19
N.TROY___115KV_TB1 355778	93.60 2.92 -34.47	83.83 2.92 -24.82	79.21 2.98 -20.08	78.88 2.98 -19.75	81.29 3.04 -22.04	96.38 3.04 -36.95	131.13 3.40 -67.03	164.73 3.29 -100.42	136.11 3.79 -65.84	132.12 3.96 -59.82	126.23 3.94 -53.24	125.95 3.56 -59.86	121.14 3.40 -58.06	119.84 3.31 -58.45	118.69 3.28 -57.88	119.61 3.17 -59.88	126.79 3.99 -54.05	146.85 4.11 -71.86	142.52 3.91 -71.22	133.75 3.94 -61.82	125.84 3.45 -61.88	119.07 3.17 -59.28	113.30 3.16 -53.76	113.58 2.98 -54.33
NARROWS_GT1_1 24228	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_2 24229	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_3 24230	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_4 24231	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_5 24232	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_6 24233	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT1_7 24234	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20



NARROWS_GT1_8 24235	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_1 24236	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_2 24237	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_3 24238	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_4 24239	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_5 24240	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_6 24241	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_7 24242	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NARROWS_GT2_8 24243	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	91.63 3.20 -32.22	82.43 3.14 -23.20	78.12 3.20 -18.77	77.76 3.14 -18.46	80.01 3.20 -20.60	94.13 3.21 -34.53	126.56 3.22 -62.65	157.80 2.93 -93.86	131.48 3.46 -61.53	127.73 3.49 -55.91	122.20 3.38 -49.76	121.41 2.94 -55.95	116.75 2.81 -54.26	115.50 2.79 -54.63	114.45 2.82 -54.10	115.47 2.94 -55.97	123.05 3.78 -50.52	142.09 4.04 -67.16	137.73 3.77 -66.56	129.58 3.81 -57.78	121.56 3.21 -57.84	114.89 2.94 -55.33	109.44 2.88 -50.18	110.14 3.15 -50.71
NCHELSEA_115KV_TR2 355582	88.64 4.67 -27.76	80.52 4.43 -19.99	76.76 4.44 -16.17	76.50 4.44 -15.91	78.35 4.38 -17.75	90.60 4.45 -29.76	120.39 5.71 -53.99	147.63 5.74 -80.88	125.97 6.45 -53.03	122.94 6.42 -48.18	118.43 6.49 -42.88	116.55 5.81 -48.22	111.82 5.37 -46.76	110.33 5.17 -47.08	109.27 5.12 -46.62	109.82 5.03 -48.23	118.47 6.19 -43.54	135.50 6.73 -57.88	131.23 6.47 -57.36	124.17 6.39 -49.79	115.92 5.57 -49.84	108.97 4.98 -47.37	104.02 4.68 -42.96	104.13 4.45 -43.41
NEG CAPITAL___MECHNVIL 23645	94.56 3.49 -34.86	84.62 3.42 -25.11	79.95 3.48 -20.31	79.61 3.48 -19.97	82.05 3.54 -22.29	97.42 3.66 -37.37	132.80 4.31 -67.79	166.92 4.33 -101.57	137.93 4.85 -66.59	133.97 5.13 -60.50	128.09 5.18 -53.85	127.76 4.69 -60.55	122.89 4.48 -58.72	121.50 4.30 -59.12	120.27 4.20 -58.55	121.31 4.19 -60.56	128.63 5.22 -54.66	149.09 5.53 -72.67	144.61 5.19 -72.02	135.74 5.24 -62.52	127.63 4.54 -62.58	120.77 4.19 -59.96	114.77 4.00 -54.38	114.94 3.71 -54.95
NEG CENTRAL_HIGH_ACRES 23767	57.02 -2.42 -3.22	55.83 -2.58 -2.32	55.57 -2.47 -1.88	55.48 -2.53 -1.85	55.91 -2.36 -2.06	57.98 -1.86 -3.46	65.94 -1.03 -6.27	68.95 -1.46 -9.39	70.72 -1.93 -6.16	72.02 -1.91 -5.60	72.11 -1.93 -4.98	66.37 -1.75 -5.60	63.38 -1.73 -5.43	61.57 -1.97 -5.47	60.87 -2.07 -5.42	60.01 -2.15 -5.60	72.04 -1.79 -5.08	75.87 -1.77 -6.75	72.47 -1.62 -6.69	71.97 -1.83 -5.81	64.39 -1.94 -5.81	60.09 -2.09 -5.57	59.01 -2.42 -5.05	58.90 -2.47 -5.11
NEG CENTRAL___DRP 24199	59.29 -0.51 -3.58	58.00 -0.67 -2.58	57.68 -0.56 -2.09	57.65 -0.56 -2.05	58.11 -0.39 -2.29	60.05 -0.17 -3.84	68.51 0.85 -6.97	72.25 0.79 -10.44	73.93 0.60 -6.84	75.17 0.61 -6.22	75.15 0.55 -5.53	69.18 0.44 -6.22	65.78 0.06 -6.03	64.21 0.06 -6.07	63.60 0.06 -6.02	62.73 -0.06 -6.22	75.01 0.62 -5.64	79.24 0.85 -7.50	75.71 0.88 -7.43	75.12 0.68 -6.45	67.33 0.36 -6.46	62.86 0.06 -6.19	61.66 -0.34 -5.61	61.55 -0.39 -5.67
NEG CENTRAL___INDECK 23768	61.30 0.34 -4.75	59.57 0.06 -3.42	59.09 0.17 -2.77	59.05 0.17 -2.72	59.70 0.45 -3.04	62.60 1.13 -5.09	72.61 2.67 -9.24	77.05 2.19 -13.84	77.49 1.93 -9.08	78.43 1.85 -8.25	77.99 1.59 -7.34	72.09 1.32 -8.25	66.73 -0.96 -8.00	64.86 -1.28 -8.06	64.13 -1.38 -7.98	63.40 -1.41 -8.26	75.79 -0.41 -7.45	80.22 -0.57 -9.90	77.21 0.00 -9.81	76.17 -0.34 -8.52	68.31 -0.72 -8.53	63.59 -1.19 -8.17	64.08 0.28 -7.41	63.99 0.23 -7.49



NEG CENTRAL___SENECA 23627	59.80 -0.39 -3.98	58.40 -0.56 -2.87	58.03 -0.45 -2.32	57.99 -0.45 -2.28	58.53 -0.22 -2.55	60.65 0.00 -4.27	69.72 1.27 -7.75	73.78 1.16 -11.61	75.03 0.93 -7.61	76.14 0.89 -6.92	75.97 0.76 -6.15	70.13 0.69 -6.92	66.58 0.18 -6.71	64.95 0.12 -6.76	64.33 0.12 -6.69	63.54 0.06 -6.92	75.90 0.89 -6.26	80.34 1.13 -8.32	76.85 1.21 -8.24	76.10 0.95 -7.16	68.22 0.54 -7.16	63.65 0.17 -6.86	62.33 -0.28 -6.23	62.28 -0.28 -6.29
NEG CENTRAL___STATE_STREET 24147	59.44 -0.22 -3.45	58.24 -0.34 -2.49	57.89 -0.28 -2.01	57.85 -0.28 -1.98	58.25 -0.17 -2.21	60.08 0.00 -3.70	68.32 0.91 -6.71	72.05 0.98 -10.05	74.08 1.00 -6.59	75.35 1.03 -5.99	75.36 0.97 -5.33	69.39 0.88 -5.99	66.03 0.54 -5.81	64.45 0.52 -5.85	63.78 0.46 -5.79	62.95 0.40 -5.99	75.30 1.03 -5.52	79.43 1.21 -7.34	75.88 1.21 -7.27	75.32 1.02 -6.31	67.55 0.73 -6.32	63.12 0.45 -6.05	61.93 0.06 -5.49	61.76 -0.06 -5.55
NEG MILLWOOD___DRP 24198	88.90 4.78 -27.91	80.73 4.54 -20.10	76.96 4.55 -16.26	76.75 4.60 -15.99	78.50 4.44 -17.84	90.81 4.51 -29.92	120.67 5.71 -54.27	148.36 6.04 -81.30	126.57 6.78 -53.31	123.60 6.83 -48.43	119.14 6.98 -43.10	117.24 6.25 -48.47	112.36 5.67 -47.01	110.92 5.52 -47.33	109.80 5.41 -46.87	110.36 5.32 -48.48	119.18 6.67 -43.76	136.29 7.23 -58.18	132.07 7.01 -57.66	124.98 6.93 -50.05	116.66 6.05 -50.10	109.81 5.38 -47.82	104.77 5.02 -43.36	104.71 4.61 -43.82
NEG NORTH_FLCN_SEA 23793	57.00 0.79 0.00	56.88 0.79 0.00	56.94 0.79 0.00	57.00 0.84 0.00	57.05 0.84 0.00	57.17 0.79 0.00	60.70 0.00 0.00	61.38 0.37 0.00	66.82 0.33 0.00	68.74 0.41 0.00	69.61 0.55 0.00	62.96 0.44 0.00	60.34 0.66 0.00	58.66 0.58 0.00	58.16 0.63 0.00	57.18 0.62 0.00	68.68 -0.07 0.00	70.46 -0.43 0.00	66.59 -0.81 0.00	66.90 -1.09 0.00	59.48 -1.03 0.00	55.88 -0.74 0.00	55.99 -0.39 0.00	55.77 -0.51 0.00
NEG NORTH_KES_CHATEGAY 23792	56.61 0.39 0.00	56.54 0.45 0.00	56.61 0.45 0.00	56.61 0.45 0.00	56.66 0.45 0.00	56.78 0.39 0.00	60.15 -0.55 0.00	60.83 -0.18 0.00	66.22 -0.27 0.00	68.06 -0.27 0.00	68.92 -0.14 0.00	62.33 -0.19 0.00	59.80 0.12 0.00	58.14 0.06 0.00	57.64 0.12 0.00	56.67 0.11 0.00	68.06 -0.69 0.00	69.89 -0.99 0.00	65.98 -1.42 0.00	66.36 -1.63 0.00	59.06 -1.45 0.00	55.48 -1.13 0.00	55.65 -0.73 0.00	55.43 -0.84 0.00
NEG NORTH___ALICE_FALLS 23915	57.28 1.07 0.00	57.16 1.07 0.00	57.22 1.07 0.00	57.28 1.12 0.00	57.34 1.12 0.00	57.51 1.13 0.00	61.06 0.36 0.00	61.81 0.79 0.00	67.29 0.80 0.00	69.22 0.89 0.00	70.10 1.04 0.00	63.40 0.88 0.00	60.76 1.07 0.00	59.07 0.99 0.00	58.56 1.04 0.00	57.58 1.02 0.00	69.16 0.41 0.00	71.03 0.14 0.00	67.06 -0.34 0.00	67.38 -0.61 0.00	59.84 -0.67 0.00	56.22 -0.40 0.00	56.33 -0.06 0.00	56.05 -0.23 0.00
NEG NORTH___LWR_SARANAC 23913	57.28 1.07 0.00	57.16 1.07 0.00	57.22 1.07 0.00	57.28 1.12 0.00	57.34 1.12 0.00	57.51 1.13 0.00	61.06 0.36 0.00	61.81 0.79 0.00	67.29 0.80 0.00	69.22 0.89 0.00	70.10 1.04 0.00	63.40 0.88 0.00	60.76 1.07 0.00	59.07 0.99 0.00	58.56 1.04 0.00	57.58 1.02 0.00	69.16 0.41 0.00	71.03 0.14 0.00	67.06 -0.34 0.00	67.38 -0.61 0.00	59.84 -0.67 0.00	56.22 -0.40 0.00	56.33 -0.06 0.00	56.05 -0.23 0.00
NEG NORTH___PLATTSBURG 23628	57.28 1.07 0.00	57.15 1.06 0.00	57.22 1.06 0.00	57.28 1.12 0.00	57.34 1.12 0.00	57.40 1.02 0.00	61.07 0.37 0.00	61.81 0.79 0.00	67.29 0.80 0.00	69.22 0.89 0.00	70.10 1.04 0.00	63.40 0.87 0.00	60.40 0.72 0.00	58.95 0.87 0.00	58.56 1.04 0.00	57.58 1.02 0.00	69.16 0.41 0.00	71.03 0.14 0.00	67.06 -0.34 0.00	67.38 -0.61 0.00	59.85 -0.66 0.00	56.22 -0.39 0.00	56.33 -0.06 0.00	56.05 -0.22 0.00
NEG WEST_LEA_LOCKPORT 23791	55.54 -4.72 -4.05	54.07 -4.94 -2.91	53.91 -4.60 -2.36	53.76 -4.72 -2.32	54.30 -4.50 -2.59	56.44 -4.29 -4.34	65.47 -3.10 -7.87	68.35 -4.45 -11.79	68.63 -5.58 -7.73	69.75 -5.60 -7.02	69.51 -5.80 -6.25	64.36 -5.19 -7.03	60.77 -5.73 -6.82	59.42 -5.52 -6.86	58.91 -5.41 -6.79	58.10 -5.49 -7.03	69.73 -5.36 -6.35	73.65 -5.67 -8.44	70.50 -5.26 -8.36	69.74 -5.51 -7.26	62.51 -5.26 -7.26	58.31 -5.27 -6.96	57.06 -5.64 -6.31	57.48 -5.18 -6.38
NEG WEST___LANCASTR 23811	55.72 -5.17 -4.68	54.08 -5.38 -3.37	53.88 -5.00 -2.73	53.78 -5.05 -2.68	54.37 -4.83 -2.99	56.66 -4.74 -5.02	66.16 -3.64 -9.10	70.01 -4.64 -13.63	69.64 -5.78 -8.94	70.65 -5.81 -8.12	70.28 -6.01 -7.23	65.21 -5.44 -8.13	61.72 -5.85 -7.88	60.32 -5.69 -7.94	59.75 -5.64 -7.86	58.98 -5.71 -8.13	70.38 -5.71 -7.34	74.68 -5.95 -9.75	71.60 -5.46 -9.67	70.60 -5.78 -8.39	63.40 -5.51 -8.40	59.17 -5.49 -8.05	57.76 -5.92 -7.30	58.19 -5.46 -7.38
NEG_PENN_ALLEGHNY 23528	65.20 0.00 -8.99	62.45 -0.11 -6.48	61.39 0.00 -5.24	61.25 -0.06 -5.15	62.02 0.06 -5.75	66.31 0.28 -9.64	79.22 1.03 -17.49	88.13 0.92 -26.20	84.46 0.80 -17.18	84.76 0.82 -15.61	83.71 0.76 -13.89	78.83 0.69 -15.62	75.49 0.66 -15.15	73.74 0.41 -15.25	72.97 0.35 -15.10	72.47 0.28 -15.62	83.73 0.89 -14.09	90.53 0.92 -18.73	86.97 1.01 -18.56	84.92 0.82 -16.11	77.24 0.61 -16.13	72.41 0.34 -15.45	70.45 0.06 -14.01	70.49 0.06 -14.16
NEG___GEN_MONROE 24207	57.72 -1.85 -3.36	56.61 -1.91 -2.42	56.32 -1.80 -1.96	56.17 -1.91 -1.93	56.68 -1.69 -2.15	58.58 -1.41 -3.61	67.12 -0.12 -6.54	69.78 -1.04 -9.80	71.32 -1.60 -6.43	72.53 -1.64 -5.84	72.32 -1.93 -5.20	66.61 -1.75 -5.84	63.14 -2.21 -5.67	61.69 -2.09 -5.70	61.10 -2.07 -5.65	60.14 -2.26 -5.84	72.31 -1.72 -5.28	76.06 -1.84 -7.02	72.74 -1.62 -6.96	72.19 -1.84 -6.04	64.50 -2.06 -6.05	60.09 -2.32 -5.79	59.10 -2.54 -5.26	59.22 -2.36 -5.31
NEPA___ENERGY 23901	57.28 -3.71 -4.77	55.60 -3.93 -3.44	55.40 -3.54 -2.78	55.30 -3.59 -2.74	55.89 -3.37 -3.05	58.17 -3.33 -5.12	67.92 -2.06 -9.28	71.87 -3.05 -13.91	71.48 -4.12 -9.12	72.38 -4.24 -8.29	72.08 -4.35 -7.37	66.87 -3.94 -8.29	63.25 -4.48 -8.04	61.76 -4.41 -8.10	61.17 -4.37 -8.02	60.44 -4.41 -8.29	72.17 -4.06 -7.48	76.58 -4.25 -9.95	73.41 -3.84 -9.86	72.40 -4.15 -8.56	65.02 -4.05 -8.57	60.75 -4.08 -8.21	59.26 -4.57 -7.45	59.74 -4.05 -7.52
NEVERSINK___HYD 23608	85.62 4.55 -24.86	78.31 4.32 -17.90	74.96 4.32 -14.48	74.66 4.27 -14.24	76.32 4.22 -15.89	87.54 4.51 -26.65	114.99 5.95 -48.34	139.42 5.98 -72.42	118.55 4.58 -47.48	115.91 4.44 -43.14	111.81 4.35 -38.39	109.64 3.94 -43.17	105.14 3.58 -41.87	103.66 3.43 -42.15	102.61 3.34 -41.74	103.08 3.34 -43.18	111.82 4.26 -38.81	127.23 4.75 -51.59	123.18 4.65 -51.13	116.93 4.56 -44.38	110.75 5.81 -44.43	104.34 5.15 -42.57	99.78 4.79 -38.61	99.84 4.56 -39.01
NEWKRMKL_115KV_TB1 55635	92.99 2.59 -34.20	83.30 2.58 -24.63	78.71 2.64 -19.92	78.39 2.64 -19.59	80.77 2.70 -21.86	95.63 2.59 -36.66	129.50 2.31 -66.50	162.84 2.20 -99.62	134.40 2.59 -65.32	130.41 2.73 -59.35	124.71 2.83 -52.82	124.41 2.50 -59.39	119.67 2.39 -57.60	118.45 2.38 -57.99	117.31 2.36 -57.43	118.23 2.26 -59.41	125.19 2.82 -53.63	145.08 2.91 -71.29	140.75 2.70 -70.65	131.97 2.65 -61.33	124.20 2.30 -61.39	117.64 2.21 -58.81	112.03 2.31 -53.34	112.53 2.36 -53.90



NEWTON___FALLS_HYD 23847	55.95 -1.01 -0.75	55.57 -1.07 -0.54	55.47 -1.12 -0.44	55.58 -1.01 -0.43	55.68 -1.01 -0.48	56.01 -1.18 -0.81	60.47 -1.70 -1.47	61.81 -1.40 -2.20	66.47 -1.46 -1.44	68.07 -1.57 -1.31	68.57 -1.66 -1.17	62.39 -1.44 -1.31	60.18 -0.78 -1.27	58.66 -0.70 -1.28	58.10 -0.69 -1.27	57.25 -0.62 -1.31	68.35 -1.58 -1.19	70.90 -1.56 -1.58	67.41 -1.55 -1.56	67.71 -1.63 -1.36	60.41 -1.45 -1.36	57.07 -0.85 -1.30	56.94 -0.62 -1.18	56.73 -0.73 -1.19
NGRID_A1_DSASP 323792	55.04 -5.29 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	56.39 -4.40 -4.41	64.75 -3.94 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.54 -6.12 -7.14	60.94 -5.67 -6.92	59.01 -6.04 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.74 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.54 -6.26 -6.41	56.90 -5.85 -6.48
NGRID_A2_DSASP 323793	55.04 -5.29 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	56.39 -4.40 -4.41	64.75 -3.94 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.54 -6.12 -7.14	60.94 -5.67 -6.92	59.01 -6.04 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.74 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.54 -6.26 -6.41	56.90 -5.85 -6.48
NGRID_A4_DSASP 323807	55.04 -5.29 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	56.39 -4.40 -4.41	64.75 -3.94 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.54 -6.12 -7.14	60.94 -5.67 -6.92	59.01 -6.04 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.74 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.54 -6.26 -6.41	56.90 -5.85 -6.48
NIAGARA_115E_LBMP 323715	55.22 -5.11 -4.12	53.78 -5.27 -2.97	53.61 -4.94 -2.40	53.46 -5.05 -2.36	54.01 -4.83 -2.63	56.63 -4.17 -4.42	65.19 -3.52 -8.01	68.08 -4.94 -12.01	68.18 -6.18 -7.87	69.34 -6.15 -7.15	69.07 -6.35 -6.36	63.99 -5.69 -7.16	61.31 -5.31 -6.94	59.43 -5.63 -6.99	58.58 -5.87 -6.92	57.78 -5.94 -7.16	69.30 -5.91 -6.46	73.24 -6.24 -8.59	70.12 -5.80 -8.52	69.33 -6.05 -7.39	62.16 -5.75 -7.40	58.04 -5.66 -7.09	56.89 -5.92 -6.43	57.20 -5.57 -6.50
NIAGARA_115W_LBMP 323714	54.92 -5.40 -4.10	53.49 -5.55 -2.96	53.27 -5.28 -2.39	53.12 -5.39 -2.35	53.67 -5.17 -2.62	56.27 -4.51 -4.40	64.55 -4.13 -7.98	67.48 -5.49 -11.96	67.54 -6.78 -7.84	68.62 -6.83 -7.12	68.35 -7.04 -6.34	63.40 -6.25 -7.13	60.75 -5.85 -6.91	58.88 -6.16 -6.96	58.03 -6.39 -6.89	57.24 -6.45 -7.13	68.65 -6.53 -6.44	72.50 -6.94 -8.56	69.41 -6.47 -8.48	68.62 -6.73 -7.36	61.59 -6.29 -7.37	57.51 -6.17 -7.06	56.36 -6.43 -6.40	56.72 -6.02 -6.47
NIAGARA_230_LBMP 323716	55.60 -4.66 -4.05	54.24 -4.77 -2.92	54.02 -4.49 -2.36	53.87 -4.60 -2.32	54.42 -4.38 -2.59	56.95 -3.78 -4.34	65.42 -3.16 -7.88	68.36 -4.45 -11.80	68.57 -5.65 -7.74	69.69 -5.67 -7.03	69.45 -5.87 -6.26	64.30 -5.25 -7.03	61.61 -4.89 -6.82	59.72 -5.23 -6.87	58.92 -5.41 -6.80	58.11 -5.49 -7.04	69.67 -5.43 -6.35	73.52 -5.81 -8.45	70.37 -5.39 -8.37	69.61 -5.64 -7.27	62.46 -5.33 -7.27	58.32 -5.26 -6.97	57.18 -5.52 -6.32	57.54 -5.12 -6.39
NIAGARA___115KV_198_GIBSON 55903	54.92 -5.40 -4.10	53.49 -5.55 -2.96	53.27 -5.28 -2.39	53.12 -5.39 -2.35	53.66 -5.17 -2.62	55.76 -5.02 -4.40	64.55 -4.13 -7.98	67.48 -5.49 -11.96	67.54 -6.78 -7.84	68.62 -6.83 -7.12	68.35 -7.04 -6.34	63.33 -6.31 -7.13	59.85 -6.74 -6.91	58.53 -6.50 -6.96	58.03 -6.39 -6.89	57.24 -6.45 -7.13	68.65 -6.53 -6.44	72.49 -6.95 -8.56	69.41 -6.47 -8.48	68.62 -6.73 -7.36	61.59 -6.29 -7.37	57.51 -6.17 -7.06	56.30 -6.48 -6.40	56.72 -6.02 -6.47
NIAGARA____ 23760	55.66 -4.66 -4.11	54.28 -4.77 -2.96	54.06 -4.49 -2.39	53.91 -4.60 -2.36	54.46 -4.38 -2.63	57.01 -3.78 -4.41	65.52 -3.16 -7.98	68.47 -4.45 -11.90	68.64 -5.65 -7.80	69.75 -5.67 -7.09	69.50 -5.87 -6.31	64.36 -5.25 -7.09	61.67 -4.89 -6.88	59.78 -5.23 -6.93	58.98 -5.41 -6.86	58.17 -5.49 -7.10	69.72 -5.43 -6.40	73.58 -5.81 -8.51	70.44 -5.39 -8.43	69.67 -5.64 -7.32	62.52 -5.33 -7.33	58.38 -5.26 -7.03	57.24 -5.52 -6.38	57.62 -5.12 -6.47
NINE_MILE_1 23575	55.95 -1.97 -1.71	55.30 -2.02 -1.23	55.13 -2.02 -0.99	55.11 -2.02 -0.98	55.33 -1.97 -1.09	56.41 -1.81 -1.83	62.38 -1.64 -3.32	64.34 -1.64 -4.97	67.82 -1.93 -3.26	69.38 -1.91 -2.96	69.69 -2.00 -2.64	63.67 -1.82 -2.96	60.83 -1.73 -2.87	59.23 -1.74 -2.89	58.61 -1.78 -2.87	57.71 -1.81 -2.96	69.50 -1.92 -2.68	72.46 -1.98 -3.56	69.11 -1.82 -3.53	69.15 -1.90 -3.07	61.77 -1.81 -3.07	57.74 -1.81 -2.94	57.13 -1.92 -2.67	57.00 -1.97 -2.69
NINE_MILE_2 23744	55.95 -1.97 -1.70	55.30 -2.02 -1.23	55.18 -1.97 -0.99	55.11 -2.02 -0.98	55.33 -1.97 -1.09	56.40 -1.81 -1.83	62.37 -1.64 -3.31	64.33 -1.64 -4.96	67.81 -1.93 -3.25	69.38 -1.91 -2.96	69.69 -2.00 -2.63	63.66 -1.82 -2.96	60.82 -1.73 -2.87	59.23 -1.74 -2.89	58.60 -1.78 -2.86	57.71 -1.81 -2.96	69.50 -1.92 -2.67	72.46 -1.98 -3.56	69.10 -1.82 -3.52	69.15 -1.90 -3.06	61.76 -1.81 -3.06	57.74 -1.81 -2.93	57.13 -1.92 -2.66	56.99 -1.97 -2.69
NM_CAPITAL___DRP 24208	92.96 2.64 -34.11	83.35 2.69 -24.56	78.72 2.70 -19.87	78.39 2.70 -19.54	80.77 2.75 -21.81	95.65 2.71 -36.56	129.57 2.55 -66.32	162.76 2.38 -99.36	134.43 2.79 -65.15	130.46 2.94 -59.19	124.78 3.04 -52.68	124.45 2.69 -59.24	119.70 2.57 -57.45	118.47 2.56 -57.84	117.33 2.53 -57.28	118.24 2.43 -59.25	125.26 3.02 -53.49	145.04 3.05 -71.10	140.77 2.90 -70.47	132.02 2.86 -61.17	124.29 2.54 -61.23	117.65 2.38 -58.66	112.06 2.48 -53.20	112.51 2.48 -53.76
NM_CENTRAL___DRP 24181	57.72 -0.96 -2.46	56.85 -1.01 -1.77	56.64 -0.95 -1.43	56.56 -1.01 -1.41	56.89 -0.90 -1.57	58.23 -0.79 -2.64	65.30 -0.18 -4.79	68.00 -0.18 -7.17	70.86 -0.33 -4.70	72.33 -0.27 -4.27	72.58 -0.28 -3.80	66.55 -0.25 -4.27	63.35 -0.48 -4.14	61.79 -0.46 -4.17	61.20 -0.46 -4.13	60.33 -0.51 -4.27	72.34 -0.27 -3.87	75.82 -0.21 -5.14	72.29 -0.20 -5.10	72.07 -0.34 -4.42	64.52 -0.42 -4.43	60.29 -0.57 -4.24	59.44 -0.79 -3.85	59.32 -0.84 -3.89
NM_FRONTIER___DRP 24179	54.92 -5.40 -4.10	53.49 -5.55 -2.96	53.27 -5.28 -2.39	53.12 -5.39 -2.35	53.66 -5.17 -2.62	55.76 -5.02 -4.40	64.55 -4.13 -7.98	67.48 -5.49 -11.96	67.54 -6.78 -7.84	68.62 -6.83 -7.12	68.35 -7.04 -6.34	63.33 -6.31 -7.13	59.85 -6.74 -6.91	58.53 -6.50 -6.96	58.03 -6.39 -6.89	57.24 -6.45 -7.13	68.65 -6.53 -6.44	72.49 -6.95 -8.56	69.41 -6.47 -8.48	68.62 -6.73 -7.36	61.59 -6.29 -7.37	57.51 -6.17 -7.06	56.30 -6.48 -6.40	56.72 -6.02 -6.47
NM_ST_REGIS___HYD 24053	55.09 -1.12 0.00	55.03 -1.07 0.00	55.03 -1.12 0.00	55.15 -1.01 0.00	55.14 -1.07 0.00	54.92 -1.47 0.00	57.60 -3.10 0.00	58.21 -2.81 0.00	63.50 -2.99 0.00	65.26 -3.08 0.00	66.02 -3.04 0.00	59.77 -2.75 0.00	58.13 -1.55 0.00	56.68 -1.39 0.00	56.15 -1.38 0.00	55.26 -1.30 0.00	65.52 -3.23 0.00	67.41 -3.47 0.00	63.89 -3.50 0.00	64.52 -3.47 0.00	57.42 -3.09 0.00	54.75 -1.87 0.00	55.14 -1.24 0.00	54.98 -1.29 0.00



NORTHPORT___1 23551	96.85 5.62 -35.02	88.55 5.55 -26.90	77.76 5.56 -16.04	77.44 5.51 -15.77	88.48 5.57 -26.71	112.13 5.58 -50.16	147.37 6.37 -80.30	151.00 6.41 -83.58	149.89 7.12 -76.28	146.86 7.11 -71.42	147.91 7.05 -71.80	149.40 6.31 -80.57	147.72 5.97 -82.07	149.33 5.75 -85.50	149.27 5.64 -86.10	147.85 5.60 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.63 7.07 -79.16	152.38 7.00 -77.39	149.92 6.18 -83.23	147.67 5.66 -85.39	138.34 5.53 -76.42	109.23 5.40 -47.55
NORTHPORT___2 23552	96.85 5.62 -35.02	88.55 5.55 -26.90	77.76 5.56 -16.04	77.44 5.51 -15.77	88.48 5.57 -26.71	112.13 5.58 -50.16	147.37 6.37 -80.30	151.00 6.41 -83.58	149.89 7.12 -76.28	146.86 7.11 -71.42	147.91 7.05 -71.80	149.40 6.31 -80.57	147.72 5.97 -82.07	149.33 5.75 -85.50	149.27 5.64 -86.10	147.85 5.60 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.63 7.07 -79.16	152.38 7.00 -77.39	149.92 6.18 -83.23	147.67 5.66 -85.39	138.34 5.53 -76.42	109.23 5.40 -47.55
NORTHPORT___3 23553	95.96 4.72 -35.02	87.60 4.60 -26.90	76.74 4.55 -16.04	76.48 4.55 -15.77	87.47 4.55 -26.71	111.23 4.68 -50.16	146.28 5.28 -80.30	149.54 4.94 -83.58	148.42 5.65 -76.28	146.04 6.28 -71.42	146.94 6.08 -71.80	148.40 5.31 -80.57	146.94 5.19 -82.07	148.40 4.82 -85.50	148.40 4.77 -86.10	146.94 4.69 -85.69	149.54 5.70 -75.09	153.01 5.67 -76.46	152.01 5.46 -79.15	151.02 5.64 -77.39	148.88 5.14 -83.23	146.93 4.92 -85.39	137.82 5.02 -76.42	108.55 4.73 -47.55
NORTHPORT___4 23650	95.96 4.72 -35.02	87.60 4.60 -26.90	76.74 4.55 -16.04	76.48 4.55 -15.77	87.47 4.55 -26.71	111.23 4.68 -50.16	146.28 5.28 -80.30	149.54 4.94 -83.58	148.42 5.65 -76.28	146.04 6.28 -71.42	146.94 6.08 -71.80	148.40 5.31 -80.57	146.94 5.19 -82.07	148.40 4.82 -85.50	148.40 4.77 -86.10	146.94 4.69 -85.69	149.54 5.70 -75.09	153.01 5.67 -76.46	152.01 5.46 -79.15	151.02 5.64 -77.39	148.88 5.14 -83.23	146.93 4.92 -85.39	137.82 5.02 -76.42	108.55 4.73 -47.55
NORTHPORT___IC 23718	96.85 5.62 -35.02	88.55 5.55 -26.90	77.76 5.56 -16.04	77.44 5.51 -15.77	88.48 5.57 -26.71	112.13 5.58 -50.16	147.37 6.37 -80.30	151.00 6.41 -83.58	149.89 7.12 -76.28	146.86 7.11 -71.42	147.91 7.05 -71.80	149.40 6.31 -80.57	147.72 5.97 -82.07	149.33 5.75 -85.50	149.27 5.64 -86.10	147.85 5.60 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.63 7.07 -79.16	152.38 7.00 -77.39	149.92 6.18 -83.23	147.67 5.66 -85.39	138.34 5.53 -76.42	109.23 5.40 -47.55
NORTH___COUNTRY_ESR 323785	56.38 0.17 0.00	56.32 0.23 0.00	56.38 0.23 0.00	56.44 0.28 0.00	56.44 0.23 0.00	56.44 0.06 0.00	59.91 -0.79 0.00	60.53 -0.49 0.00	65.95 -0.53 0.00	67.78 -0.55 0.00	68.65 -0.41 0.00	62.09 -0.43 0.00	59.20 -0.48 0.00	57.79 -0.29 0.00	57.41 -0.11 0.00	56.45 -0.11 0.00	67.79 -0.96 0.00	69.54 -1.35 0.00	65.71 -1.68 0.00	66.09 -1.90 0.00	58.82 -1.69 0.00	55.32 -1.30 0.00	55.42 -0.96 0.00	55.26 -1.01 0.00
NPX_GEN_1385_PROXY 323591	97.19 5.96 -35.02	89.11 6.11 -26.90	78.37 6.18 -16.04	78.05 6.12 -15.77	89.04 6.13 -26.71	112.02 5.47 -50.16	146.58 5.58 -80.30	150.28 5.68 -83.58	149.29 6.52 -76.28	146.18 6.42 -71.42	146.45 5.59 -71.80	148.09 5.00 -80.57	146.46 4.71 -82.07	148.12 4.53 -85.50	148.12 4.49 -86.10	146.89 4.64 -85.69	150.30 6.46 -75.09	154.58 7.23 -76.46	153.57 7.01 -79.16	151.63 6.25 -77.39	148.64 4.90 -83.23	146.48 4.47 -85.39	137.32 4.51 -76.42	109.00 5.17 -47.55
NPX_GEN_CSC 323557	97.14 5.90 -35.02	89.17 6.17 -26.90	78.59 6.40 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.75 6.20 -50.16	148.71 7.71 -80.30	152.90 8.30 -83.58	150.61 7.84 -76.28	146.25 6.50 -71.42	147.63 6.77 -71.80	149.22 6.13 -80.57	147.48 5.73 -82.07	149.16 5.58 -85.50	149.15 5.52 -86.10	147.68 5.43 -85.69	150.78 6.94 -75.09	154.65 7.30 -76.46	153.63 7.07 -79.16	152.45 7.07 -77.39	149.92 6.18 -83.23	147.50 5.49 -85.39	137.99 5.18 -76.42	109.00 5.17 -47.55
NSINS_S_GLNS_FALLS 23858	95.12 3.82 -35.09	85.06 3.70 -25.27	80.36 3.76 -20.44	80.02 3.76 -20.10	82.47 3.82 -22.44	97.94 3.95 -37.61	133.85 4.92 -68.23	168.31 5.06 -102.23	139.23 5.72 -67.02	135.31 6.08 -60.90	129.47 6.22 -54.20	129.03 5.56 -60.94	123.98 5.19 -59.10	122.58 4.99 -59.50	121.34 4.89 -58.92	122.50 4.98 -60.96	129.96 6.19 -55.03	150.63 6.59 -73.15	146.10 6.20 -72.50	137.11 6.19 -62.93	128.89 5.39 -63.00	121.84 4.87 -60.35	115.68 4.57 -54.73	115.80 4.22 -55.31
NUCOR_STEEL___DRP 24197	59.35 -0.17 -3.31	58.19 -0.28 -2.38	57.86 -0.22 -1.93	57.83 -0.22 -1.90	58.21 -0.11 -2.12	59.93 0.00 -3.55	67.98 0.85 -6.43	71.57 0.92 -9.64	73.67 0.86 -6.32	74.96 0.89 -5.74	75.00 0.83 -5.11	69.02 0.75 -5.75	65.74 0.48 -5.57	64.10 0.41 -5.61	63.49 0.40 -5.56	62.65 0.34 -5.75	74.93 0.89 -5.29	78.98 1.06 -7.03	75.44 1.08 -6.97	74.99 0.95 -6.05	67.23 0.67 -6.05	62.81 0.40 -5.80	61.70 0.06 -5.26	61.59 0.00 -5.32
NUMBER_THREE_WT_PWR 323818	57.82 0.56 -1.05	57.29 0.45 -0.76	57.16 0.40 -0.61	57.26 0.50 -0.60	57.39 0.50 -0.67	58.13 0.62 -1.12	64.07 1.33 -2.04	65.66 1.58 -3.06	70.29 1.80 -2.00	71.86 1.71 -1.82	72.20 1.52 -1.62	65.84 1.50 -1.82	62.88 1.43 -1.77	61.25 1.39 -1.78	60.78 1.49 -1.76	59.85 1.47 -1.82	72.25 1.86 -1.65	75.06 1.98 -2.19	71.52 1.96 -2.17	71.64 1.76 -1.88	63.91 1.51 -1.89	59.78 1.36 -1.81	59.26 1.24 -1.64	58.94 1.01 -1.66
NYISO_LBMP_REFERENCE 24008	56.21 0.00 0.00	56.09 0.00 0.00	56.16 0.00 0.00	56.16 0.00 0.00	56.21 0.00 0.00	56.38 0.00 0.00	60.70 0.00 0.00	61.02 0.00 0.00	66.49 0.00 0.00	68.33 0.00 0.00	69.06 0.00 0.00	62.52 0.00 0.00	59.68 0.00 0.00	58.08 0.00 0.00	57.53 0.00 0.00	56.56 0.00 0.00	68.75 0.00 0.00	70.89 0.00 0.00	67.40 0.00 0.00	67.99 0.00 0.00	60.51 0.00 0.00	56.62 0.00 0.00	56.38 0.00 0.00	56.27 0.00 0.00
NYPA_BRENTWD___GT 24164	97.42 6.18 -35.02	89.11 6.11 -26.90	78.32 6.12 -16.04	78.00 6.07 -15.77	89.04 6.13 -26.71	112.75 6.20 -50.16	148.22 7.22 -80.30	152.04 7.44 -83.58	150.88 8.11 -76.28	147.82 8.06 -71.42	148.94 8.08 -71.80	150.40 7.31 -80.57	148.67 6.92 -82.07	150.20 6.62 -85.50	150.18 6.56 -86.10	148.69 6.45 -85.69	152.01 8.18 -75.09	155.85 8.50 -76.46	154.78 8.22 -79.16	153.54 8.16 -77.39	150.88 7.14 -83.23	148.52 6.51 -85.39	139.07 6.26 -76.42	109.91 6.08 -47.55
NYPA_GOWANUS___GT5 24156	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20
NYPA_GOWANUS___GT6 24157	88.99 5.23 -27.55	80.93 4.99 -19.84	77.20 5.00 -16.05	76.83 4.88 -15.79	78.72 4.89 -17.62	90.87 4.96 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.94 6.21 -108.05	174.29 5.98 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.41 7.22 -115.44	193.68 7.59 -115.21	175.80 7.35 -101.05	200.34 7.20 -125.15	171.97 6.41 -105.05	199.17 5.83 -136.72	147.25 5.58 -85.28	120.64 5.17 -59.20



NYPA_HARLEM__RVR_GT1 24160	88.93	80.93	77.26	76.94	78.83	91.05	120.23	147.43	127.84	126.33	125.36	202.16	118.91	117.56	116.60	117.06	126.94	142.96	137.33	217.53	123.25	115.88	110.11	134.10
	5.17	4.99	5.06	5.00	5.00	5.13	5.95	6.16	6.58	6.63	6.84	6.19	5.85	5.58	5.47	5.38	6.81	7.16	6.88	6.94	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.54	-53.58	-80.25	-54.77	-51.37	-49.46	-133.44	-53.38	-53.90	-53.60	-55.12	-51.38	-64.91	-63.05	-142.60	-56.69	-53.77	-48.48	-72.88
NYPA_HARLEM__RVR_GT2 24161	88.93	80.93	77.26	76.94	78.83	91.05	120.23	147.43	127.84	126.33	125.36	202.16	118.91	117.56	116.60	117.06	126.94	142.96	137.33	217.53	123.25	115.88	110.11	134.10
	5.17	4.99	5.06	5.00	5.00	5.13	5.95	6.16	6.58	6.63	6.84	6.19	5.85	5.58	5.47	5.38	6.81	7.16	6.88	6.94	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.54	-53.58	-80.25	-54.77	-51.37	-49.46	-133.44	-53.38	-53.90	-53.60	-55.12	-51.38	-64.91	-63.05	-142.60	-56.69	-53.77	-48.48	-72.88
NYPA_KENT____GT 24152	88.88	80.87	77.09	76.78	78.67	90.87	119.91	147.25	142.27	150.22	172.15	172.80	173.83	174.11	174.36	174.24	191.21	193.47	175.59	201.20	171.79	201.76	147.08	120.59
	5.11	4.94	4.88	4.83	4.83	4.96	5.65	5.98	6.58	6.70	7.11	6.44	6.09	5.81	5.70	5.60	7.02	7.37	7.14	7.07	6.23	5.66	5.41	5.12
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-126.14	-105.05	-139.49	-85.28	-59.20
NYPA_POUCH1____GT 24155	88.82	80.76	76.98	76.66	78.55	90.65	119.50	146.94	142.01	124.41	172.01	172.67	173.70	174.00	174.24	174.12	191.07	193.40	175.46	200.08	171.67	198.94	147.03	120.42
	5.06	4.82	4.77	4.72	4.72	4.74	5.28	5.68	6.32	6.42	6.97	6.31	5.97	5.70	5.58	5.48	6.87	7.30	7.01	6.94	6.11	5.61	5.36	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.52	-80.25	-69.20	-49.65	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-125.15	-105.05	-136.72	-85.28	-59.20
NYPA_VERNON____GT2 24162	88.83	80.76	77.04	76.72	78.61	90.81	119.97	147.31	142.34	150.22	171.95	172.61	173.65	174.00	174.24	174.07	191.07	193.33	175.39	202.06	171.67	204.36	146.96	120.47
	5.06	4.82	4.83	4.77	4.78	4.90	5.70	6.04	6.65	6.70	6.91	6.25	5.91	5.70	5.58	5.43	6.87	7.23	6.94	6.94	6.11	5.49	5.30	5.01
	-27.55	-19.85	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-127.13	-105.05	-142.26	-85.28	-59.20
NYPA_VERNON____GT3 24163	88.83	80.76	77.04	76.72	78.61	90.81	119.97	147.31	142.34	150.22	171.95	172.61	173.65	174.00	174.24	174.07	191.07	193.33	175.39	202.06	171.67	204.36	146.96	120.47
	5.06	4.82	4.83	4.77	4.78	4.90	5.70	6.04	6.65	6.70	6.91	6.25	5.91	5.70	5.58	5.43	6.87	7.23	6.94	6.94	6.11	5.49	5.30	5.01
	-27.55	-19.85	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-127.13	-105.05	-142.26	-85.28	-59.20
NYPA__ASTORIA_CC1 323568	88.76	80.76	77.04	76.72	78.61	90.81	119.97	147.25	142.27	150.14	171.88	172.55	173.59	173.93	174.19	174.02	191.00	193.25	175.33	200.00	171.61	198.81	146.91	120.42
	5.00	4.82	4.83	4.77	4.78	4.90	5.70	5.98	6.58	6.63	6.84	6.19	5.85	5.63	5.52	5.38	6.81	7.16	6.88	6.86	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-125.15	-105.05	-136.71	-85.28	-59.20
NYPA__ASTORIA_CC2 323569	88.76	80.76	77.04	76.72	78.61	90.81	119.97	147.25	142.27	150.14	171.88	172.55	173.59	173.93	174.19	174.02	191.00	193.25	175.33	200.00	171.61	198.81	146.91	120.42
	5.00	4.82	4.83	4.77	4.78	4.90	5.70	5.98	6.58	6.63	6.84	6.19	5.85	5.63	5.52	5.38	6.81	7.16	6.88	6.86	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-69.20	-75.18	-95.98	-103.84	-108.05	-110.22	-111.14	-112.08	-115.44	-115.21	-101.05	-125.15	-105.05	-136.71	-85.28	-59.20
NYPA__HOLTSVILL 23794	97.03	88.77	77.98	77.72	88.65	112.41	147.92	151.80	150.35	147.07	148.25	149.78	148.07	149.68	149.67	148.13	151.33	155.08	154.04	152.86	150.34	147.95	138.56	109.40
	5.79	5.78	5.79	5.79	5.74	5.86	6.92	7.20	7.58	7.32	7.39	6.69	6.32	6.10	6.04	5.88	7.49	7.73	7.48	7.48	6.60	5.94	5.75	5.57
	-35.02	-26.90	-16.04	-15.77	-26.71	-50.16	-80.30	-83.58	-76.28	-71.42	-71.80	-80.57	-82.07	-85.50	-86.10	-85.69	-75.09	-76.46	-79.16	-77.39	-83.23	-85.39	-76.42	-47.55
NYPA__HELLGATE_GT1 24158	88.93	80.93	77.26	76.94	78.83	91.04	120.21	147.43	156.70	173.97	199.68	122.89	206.27	207.54	208.52	208.06	229.25	223.28	203.55	132.28	220.00	201.28	183.73	106.71
	5.17	4.99	5.06	5.00	5.00	5.13	5.95	6.16	6.58	6.63	6.84	6.19	5.85	5.58	5.47	5.38	6.81	7.16	6.88	6.94	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-83.63	-99.01	-123.78	-54.18	-140.73	-143.88	-145.52	-146.12	-153.70	-145.24	-129.28	-57.35	-153.44	-139.17	-122.10	-45.49
NYPA__HELLGATE_GT2 24159	88.93	80.93	77.26	76.94	78.83	91.04	120.21	147.43	156.70	173.97	199.68	122.89	206.27	207.54	208.52	208.06	229.25	223.28	203.55	132.28	220.00	201.28	183.73	106.71
	5.17	4.99	5.06	5.00	5.00	5.13	5.95	6.16	6.58	6.63	6.84	6.19	5.85	5.58	5.47	5.38	6.81	7.16	6.88	6.94	6.05	5.49	5.24	4.95
	-27.55	-19.84	-16.05	-15.79	-17.62	-29.53	-53.56	-80.25	-83.63	-99.01	-123.78	-54.18	-140.73	-143.88	-145.52	-146.12	-153.70	-145.24	-129.28	-57.35	-153.44	-139.17	-122.10	-45.49
NYS_BARGE__HYD 23848	55.73	54.27	54.06	53.96	54.50	57.08	65.65	68.56	68.83	70.04	69.80	64.62	61.85	59.95	59.15	58.33	70.03	73.94	70.78	70.02	62.76	58.54	57.35	57.65
	-4.50	-4.71	-4.44	-4.49	-4.27	-3.61	-2.85	-4.15	-5.32	-5.26	-5.46	-4.88	-4.59	-4.94	-5.12	-5.20	-5.02	-5.32	-4.92	-5.17	-4.96	-4.98	-5.30	-4.95
	-4.01	-2.89	-2.34	-2.30	-2.57	-4.30	-7.81	-11.69	-7.67	-6.97	-6.20	-6.97	-6.76	-6.81	-6.74	-6.97	-6.30	-8.37	-8.30	-7.20	-7.21	-6.91	-6.26	-6.33
OAK ORCHARD__HYD 24046	57.69	56.53	56.25	56.16	56.60	58.83	66.94	69.81	71.45	72.75	72.75	66.99	63.98	62.16	61.40	60.54	72.75	76.57	73.15	72.68	64.99	60.60	59.56	59.56
	-1.85	-1.96	-1.85	-1.91	-1.74	-1.13	-0.24	-0.91	-1.40	-1.37	-1.45	-1.32	-1.31	-1.57	-1.72	-1.81	-1.24	-1.27	-1.15	-1.29	-1.51	-1.76	-2.03	-1.97
	-3.33	-2.40	-1.94	-1.91	-2.13	-3.57	-6.48	-9.71	-6.37	-5.78	-5.15	-5.79	-5.61	-5.65	-5.60	-5.79	-5.23	-6.96	-6.90	-5.99	-5.99	-5.74	-5.21	-5.26
OAKDALE__35_KV_LOAD 356122	65.09	62.35	61.30	61.22	61.92	66.07	78.98	87.83	84.21	84.52	83.48	78.60	74.97	73.46	72.75	72.25	83.42	90.26	86.63	84.67	76.95	72.19	70.24	70.28
	-0.06	-0.17	-0.06	-0.06	0.00	0.11	0.91	0.79	0.66	0.68	0.62	0.56	0.24	0.23	0.23	0.17	0.69	0.78	0.81	0.68	0.42	0.23	-0.06	-0.06
	-8.93	-6.43	-5.20	-5.12	-5.71	-9.57	-17.37	-26.02	-17.06	-15.50	-13.79	-15.51	-15.04	-15.14	-15.00	-15.52	-13.99	-18.59	-18.43	-16.00	-16.01	-15.34	-13.92	-14.06
OCC_CHEM__DRP 24175	55.04	53.61	53.44	53.29	53.78	55.94	64.75	67.62	67.69	68.84	68.57	63.53	60.04	58.72	58.22	57.42	68.87	72.72	69.55	68.84	61.78	57.63	56.43	56.90
	-5.28	-5.44	-5.11	-5.22	-5.06	-4.85	-3.95	-5.37	-6.65	-6.63	-6.84	-6.13	-6.57	-6.33	-6.21	-6.28	-6.32	-6.73	-6.34	-6.53	-6.11	-6.06	-6.37	-5.85
	-4.11	-2.96	-2.39	-2.36	-2.63	-4.41	-7.99	-11.98	-7.85	-7.13	-6.35	-7.14	-6.92	-6.97	-6.90	-7.14	-6.45	-8.57	-8.49	-7.37	-7.38	-7.07	-6.41	-6.48



OH_GEN_PROXY 24063	55.71	54.36	54.14	53.98	54.53	57.06	65.55	68.55	68.78	69.90	69.66	64.50	61.80	59.90	59.10	58.28	69.95	73.81	70.65	69.89	62.71	58.55	57.35	57.66
	-4.55	-4.65	-4.38	-4.49	-4.27	-3.66	-3.03	-4.27	-5.45	-5.47	-5.66	-5.06	-4.72	-5.05	-5.23	-5.32	-5.16	-5.53	-5.12	-5.37	-5.08	-5.04	-5.36	-5.01
	-4.05	-2.92	-2.36	-2.32	-2.59	-4.35	-7.88	-11.81	-7.74	-7.04	-6.26	-7.04	-6.83	-6.87	-6.81	-7.04	-6.36	-8.45	-8.38	-7.27	-7.28	-6.98	-6.33	-6.39
OLIN_CORP_DRP 24177	55.41	53.92	53.74	53.59	54.14	56.26	65.37	68.28	68.36	69.52	69.25	64.16	60.59	59.25	58.74	58.00	69.48	73.44	70.31	69.52	62.39	58.21	56.99	57.41
	-4.95	-5.16	-4.83	-4.94	-4.72	-4.57	-3.40	-4.82	-6.05	-6.01	-6.22	-5.56	-6.09	-5.87	-5.75	-5.77	-5.77	-6.10	-5.66	-5.92	-5.57	-5.55	-5.86	-5.40
	-4.15	-2.99	-2.42	-2.38	-2.65	-4.45	-8.07	-12.09	-7.93	-7.20	-6.41	-7.21	-6.99	-7.04	-6.97	-7.21	-6.51	-8.65	-8.57	-7.44	-7.45	-7.14	-6.47	-6.54
OLIN_CORP_DSASP 323712	55.04	53.61	53.44	53.29	53.78	56.39	64.75	67.62	67.69	68.84	68.57	63.54	60.94	59.01	58.22	57.42	68.87	72.72	69.55	68.84	61.78	57.63	56.54	56.90
	-5.29	-5.44	-5.11	-5.22	-5.06	-4.40	-3.94	-5.37	-6.65	-6.63	-6.84	-6.12	-5.67	-6.04	-6.21	-6.28	-6.32	-6.74	-6.34	-6.53	-6.11	-6.06	-6.26	-5.85
	-4.11	-2.96	-2.39	-2.36	-2.63	-4.41	-7.99	-11.98	-7.85	-7.13	-6.35	-7.14	-6.92	-6.97	-6.90	-7.14	-6.45	-8.57	-8.49	-7.37	-7.38	-7.07	-6.41	-6.48
ONEIDA_HERK_LFGE 323681	58.63	58.12	58.06	58.11	58.23	59.04	64.99	66.42	71.17	72.86	73.16	66.81	63.74	62.08	61.44	60.49	73.20	76.00	72.41	72.56	64.71	60.41	59.85	59.58
	1.46	1.34	1.35	1.40	1.41	1.64	2.43	2.62	2.86	2.87	2.62	2.63	2.45	2.38	2.30	2.26	2.95	3.12	3.04	2.86	2.48	2.15	1.97	1.80
	-0.96	-0.69	-0.56	-0.55	-0.61	-1.02	-1.86	-2.79	-1.83	-1.66	-1.48	-1.66	-1.61	-1.62	-1.61	-1.66	-1.50	-2.00	-1.98	-1.72	-1.72	-1.65	-1.49	-1.51
ONEIDA___115KV_TB4 55905	59.69	58.99	58.82	58.86	59.09	60.22	67.07	69.21	73.22	74.81	75.11	68.63	65.44	63.72	63.11	62.14	74.96	78.01	74.38	74.34	66.44	61.95	61.15	60.95
	1.80	1.68	1.68	1.74	1.80	2.03	3.10	3.29	3.52	3.55	3.45	3.19	2.92	2.79	2.76	2.66	3.57	3.62	3.50	3.33	2.90	2.43	2.14	2.03
	-1.68	-1.21	-0.98	-0.96	-1.08	-1.80	-3.27	-4.90	-3.21	-2.92	-2.60	-2.92	-2.83	-2.85	-2.83	-2.92	-2.64	-3.51	-3.48	-3.02	-3.02	-2.90	-2.63	-2.65
ONONDAGA_REF_OCCRA 23987	58.70	57.67	57.31	57.29	57.60	59.26	66.87	70.20	72.51	73.83	73.98	68.00	64.82	63.19	62.59	61.74	73.81	77.60	74.11	73.74	66.05	61.75	60.81	60.63
	-0.56	-0.62	-0.62	-0.62	-0.56	-0.39	0.24	0.31	0.20	0.20	0.21	0.19	0.00	-0.06	-0.06	-0.11	0.27	0.35	0.40	0.27	0.06	-0.11	-0.34	-0.45
	-3.05	-2.20	-1.78	-1.75	-1.95	-3.27	-5.93	-8.88	-5.82	-5.29	-4.71	-5.30	-5.14	-5.17	-5.12	-5.30	-4.79	-6.36	-6.31	-5.47	-5.48	-5.25	-4.76	-4.81
ONONDAGA___COGEN 23986	58.51	57.49	57.23	57.15	57.50	58.99	66.39	69.49	72.04	73.40	73.60	67.58	64.41	62.78	62.18	61.32	73.45	77.12	73.63	73.32	65.64	61.36	60.45	60.33
	-0.51	-0.62	-0.56	-0.62	-0.51	-0.39	0.24	0.31	0.20	0.20	0.21	0.19	0.00	-0.06	-0.06	-0.11	0.27	0.35	0.40	0.27	0.06	-0.11	-0.34	-0.39
	-2.80	-2.02	-1.63	-1.61	-1.79	-3.01	-5.45	-8.17	-5.36	-4.87	-4.33	-4.87	-4.72	-4.75	-4.71	-4.87	-4.42	-5.88	-5.83	-5.06	-5.06	-4.85	-4.40	-4.45
ONTARIO___LFGE 23819	59.81	58.40	58.03	57.99	58.54	60.88	69.72	73.78	75.03	76.13	75.98	70.13	66.93	65.07	64.33	63.54	75.90	80.34	76.86	76.10	68.22	63.65	62.33	62.28
	-0.39	-0.56	-0.45	-0.45	-0.22	0.23	1.28	1.16	0.93	0.89	0.76	0.69	0.54	0.23	0.12	0.06	0.89	1.13	1.21	0.95	0.54	0.17	-0.28	-0.28
	-3.98	-2.87	-2.32	-2.28	-2.55	-4.27	-7.75	-11.61	-7.61	-6.92	-6.15	-6.92	-6.71	-6.76	-6.69	-6.92	-6.26	-8.32	-8.25	-7.16	-7.16	-6.86	-6.23	-6.29
ORANGEVILLE_WT_PWR 323706	58.27	56.52	56.17	56.06	56.68	59.58	69.15	73.43	72.91	73.93	73.45	68.20	65.24	63.31	62.47	61.69	73.41	78.04	74.83	73.75	66.27	61.88	60.51	60.77
	-2.98	-3.19	-2.92	-2.98	-2.75	-2.20	-1.34	-2.26	-3.19	-3.14	-3.38	-3.06	-2.92	-3.31	-3.51	-3.62	-3.23	-3.33	-2.96	-3.26	-3.27	-3.40	-3.72	-3.43
	-5.03	-3.63	-2.93	-2.88	-3.22	-5.40	-9.79	-14.67	-9.62	-8.74	-7.78	-8.74	-8.48	-8.54	-8.45	-8.75	-7.89	-10.49	-10.40	-9.02	-9.03	-8.65	-7.85	-7.93
ORANGEVILLE___ESR 323794	58.27	56.52	56.17	56.06	56.68	59.58	69.15	73.43	72.91	73.93	73.45	68.20	65.24	63.31	62.47	61.69	73.41	78.04	74.83	73.75	66.27	61.88	60.51	60.77
	-2.98	-3.19	-2.92	-2.98	-2.75	-2.20	-1.34	-2.26	-3.19	-3.14	-3.38	-3.06	-2.92	-3.31	-3.51	-3.62	-3.23	-3.33	-2.96	-3.26	-3.27	-3.40	-3.72	-3.43
	-5.03	-3.63	-2.93	-2.88	-3.22	-5.40	-9.79	-14.67	-9.62	-8.74	-7.78	-8.74	-8.48	-8.54	-8.45	-8.75	-7.89	-10.49	-10.40	-9.02	-9.03	-8.65	-7.85	-7.93
OSWEGATCHIE___HYD 24044	55.96	55.57	55.47	55.58	55.68	55.95	60.47	61.81	66.47	68.07	68.57	62.40	59.64	58.43	58.11	57.25	68.36	70.90	67.41	67.71	60.41	57.07	56.94	56.73
	-1.01	-1.07	-1.12	-1.01	-1.01	-1.24	-1.70	-1.40	-1.46	-1.57	-1.66	-1.44	-1.31	-0.93	-0.69	-0.62	-1.58	-1.56	-1.55	-1.63	-1.45	-0.85	-0.62	-0.73
	-0.75	-0.54	-0.44	-0.43	-0.48	-0.81	-1.47	-2.20	-1.44	-1.31	-1.17	-1.31	-1.27	-1.28	-1.27	-1.31	-1.19	-1.58	-1.56	-1.36	-1.36	-1.30	-1.18	-1.19
OSWEGO___5 23606	56.67	55.95	55.74	55.72	55.96	57.15	63.45	65.68	68.94	70.40	70.73	64.71	61.82	60.16	59.53	58.70	70.55	73.67	70.21	70.18	62.79	58.72	58.01	57.88
	-1.52	-1.57	-1.57	-1.57	-1.52	-1.35	-1.09	-1.10	-1.33	-1.37	-1.38	-1.25	-1.19	-1.28	-1.32	-1.30	-1.31	-1.35	-1.28	-1.36	-1.27	-1.30	-1.47	-1.52
	-1.98	-1.42	-1.15	-1.13	-1.26	-2.12	-3.85	-5.76	-3.78	-3.43	-3.06	-3.44	-3.33	-3.35	-3.32	-3.44	-3.11	-4.13	-4.09	-3.55	-3.56	-3.41	-3.09	-3.12
OSWEGO___6 23613	56.67	55.95	55.74	55.72	55.96	57.15	63.45	65.68	68.94	70.40	70.73	64.71	61.82	60.16	59.53	58.70	70.55	73.67	70.21	70.18	62.79	58.72	58.01	57.88
	-1.52	-1.57	-1.57	-1.57	-1.52	-1.35	-1.09	-1.10	-1.33	-1.37	-1.38	-1.25	-1.19	-1.28	-1.32	-1.30	-1.31	-1.35	-1.28	-1.36	-1.27	-1.30	-1.47	-1.52
	-1.98	-1.42	-1.15	-1.13	-1.26	-2.12	-3.85	-5.76	-3.78	-3.43	-3.06	-3.44	-3.33	-3.35	-3.32	-3.44	-3.11	-4.13	-4.09	-3.55	-3.56	-3.41	-3.09	-3.12
OUTOKUMPU-AB___DRP 24206	56.29	54.79	54.61	54.51	55.07	57.21	66.35	69.43	69.63	70.82	70.55	65.35	61.72	60.36	59.78	58.97	70.78	74.79	71.60	70.74	63.49	59.18	57.90	58.32
	-4.10	-4.32	-3.99	-4.04	-3.82	-3.66	-2.49	-3.78	-4.85	-4.78	-4.97	-4.44	-5.01	-4.82	-4.77	-4.86	-4.54	-4.82	-4.45	-4.76	-4.54	-4.64	-5.02	-4.56
	-4.19	-3.01	-2.44	-2.40	-2.68	-4.49	-8.14	-12.20	-8.00	-7.27	-6.47	-7.27	-7.05	-7.10	-7.03	-7.27	-6.56	-8.73	-8.65	-7.51	-7.52	-7.20	-6.53	-6.60
OXBOW___BTM 323836	55.75	54.25	54.08	53.93	54.48	57.11	65.61	68.59	68.76	69.93	69.67	64.54	61.84	59.95	59.08	58.28	69.89	73.86	70.71	69.86	62.70	58.49	57.27	57.64
	-4.61	-4.82	-4.49	-4.60	-4.38	-3.72	-3.16	-4.51	-5.65	-5.60	-5.80	-5.19	-4.83	-5.17	-5.41	-5.49	-5.36	-5.67	-5.26	-5.57	-5.26	-5.58	-5.58	-5.18
	-4.15	-2.99	-2.42	-2.38	-2.65	-4.45	-8.07	-12.09	-7.92	-7.20	-6.41	-7.21	-6.99	-7.04	-6.97	-7.21	-6.51	-8.65	-8.57	-7.44	-7.45	-7.14	-6.47	-6.54



OXBOW____ 24026	55.75 -4.61 -4.15	54.25 -4.82 -2.99	54.08 -4.49 -2.42	53.93 -4.60 -2.38	54.48 -4.38 -2.65	56.60 -4.23 -4.45	65.61 -3.16 -8.07	68.65 -4.45 -12.09	68.76 -5.65 -7.92	69.93 -5.60 -7.20	69.67 -5.80 -6.41	64.54 -5.19 -7.21	60.94 -5.73 -6.99	59.60 -5.52 -7.04	59.09 -5.41 -6.97	58.28 -5.49 -7.21	69.89 -5.36 -6.51	73.86 -5.67 -8.65	70.71 -5.26 -8.57	69.86 -5.58 -7.44	62.69 -5.26 -7.45	58.49 -5.27 -7.14	57.22 -5.64 -6.47	57.64 -5.18 -6.54
OXY_CHEM_DSASP 323612	55.04 -5.28 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	55.94 -4.85 -4.41	64.75 -3.95 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.53 -6.13 -7.14	60.04 -6.57 -6.92	58.72 -6.33 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.73 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.43 -6.37 -6.41	56.90 -5.85 -6.48
OZONE_PARK_ESR 323760	88.87 5.12 -27.54	80.86 4.94 -19.83	77.09 4.89 -16.04	76.77 4.83 -15.78	78.66 4.83 -17.61	90.87 4.96 -29.52	120.21 5.95 -53.56	147.48 6.22 -80.24	139.70 6.98 -66.23	145.72 7.11 -70.28	162.84 7.18 -86.59	162.84 6.50 -93.82	162.73 6.03 -97.02	162.80 5.87 -98.86	162.86 5.81 -99.53	162.81 5.66 -100.59	178.48 7.22 -102.51	183.51 7.58 -105.04	167.97 7.28 -93.29	175.25 7.27 -99.99	161.96 6.35 -95.09	150.01 5.72 -87.68	139.62 5.53 -77.71	117.88 5.23 -56.37
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	55.04 -5.28 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	55.94 -4.85 -4.41	64.75 -3.95 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.53 -6.13 -7.14	60.04 -6.57 -6.92	58.72 -6.33 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.73 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.43 -6.37 -6.41	56.90 -5.85 -6.48
PACKARD__115KV_DUPONT_184 80571	55.04 -5.28 -4.11	53.61 -5.44 -2.96	53.44 -5.11 -2.39	53.29 -5.22 -2.36	53.78 -5.06 -2.63	55.94 -4.85 -4.41	64.75 -3.95 -7.99	67.62 -5.37 -11.98	67.69 -6.65 -7.85	68.84 -6.63 -7.13	68.57 -6.84 -6.35	63.53 -6.13 -7.14	60.04 -6.57 -6.92	58.72 -6.33 -6.97	58.22 -6.21 -6.90	57.42 -6.28 -7.14	68.87 -6.32 -6.45	72.72 -6.73 -8.57	69.55 -6.34 -8.49	68.84 -6.53 -7.37	61.78 -6.11 -7.38	57.63 -6.06 -7.07	56.43 -6.37 -6.41	56.90 -5.85 -6.48
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	88.71 4.95 -27.55	80.70 4.77 -19.84	76.98 4.77 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.91 5.95 -53.56	147.19 5.92 -80.25	126.01 6.25 -53.28	123.52 6.29 -48.90	121.23 6.56 -45.61	118.53 5.94 -50.06	114.02 5.49 -48.85	112.60 5.29 -49.23	111.59 5.23 -48.83	112.11 5.15 -50.40	121.34 6.53 -46.06	138.42 6.81 -60.73	133.61 6.60 -59.60	127.50 6.60 -52.92	117.98 5.81 -51.66	111.17 5.21 -49.34	106.06 5.02 -44.66	105.06 4.73 -44.06
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	89.38 5.62 -27.55	81.38 5.44 -19.84	77.71 5.50 -16.05	77.45 5.50 -15.79	79.28 5.45 -17.62	91.38 5.47 -29.53	120.63 6.37 -53.56	147.86 6.59 -80.25	126.81 7.05 -53.28	124.27 7.04 -48.90	121.92 7.25 -45.61	119.15 6.56 -50.06	114.62 6.09 -48.85	113.18 5.87 -49.23	112.17 5.81 -48.83	112.68 5.71 -50.40	122.10 7.29 -46.06	139.20 7.58 -60.73	134.28 7.28 -59.60	128.25 7.34 -52.92	118.59 6.41 -51.66	111.73 5.77 -49.34	106.69 5.64 -44.66	105.74 5.40 -44.06
PATROON__115KV_TB1 80586	93.21 2.70 -34.30	83.49 2.69 -24.70	78.89 2.75 -19.98	78.56 2.75 -19.65	80.95 2.81 -21.93	95.86 2.71 -36.77	129.95 2.55 -66.70	163.33 2.38 -99.93	134.86 2.86 -65.52	130.80 2.94 -59.53	125.08 3.04 -52.98	124.78 2.69 -59.57	120.09 2.63 -57.78	118.80 2.56 -58.17	117.66 2.53 -57.60	118.64 2.49 -59.59	125.63 3.09 -53.79	145.51 3.12 -71.51	141.17 2.90 -70.87	132.43 2.92 -61.52	124.63 2.54 -61.58	117.99 2.38 -58.99	112.36 2.48 -53.50	112.87 2.53 -54.06
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	56.20 -4.55 -4.54	54.59 -4.77 -3.27	54.42 -4.38 -2.65	54.32 -4.44 -2.60	54.90 -4.22 -2.90	57.14 -4.12 -4.87	66.62 -2.91 -8.83	70.28 -3.97 -13.23	70.04 -5.12 -8.68	71.16 -5.06 -7.88	70.83 -5.25 -7.02	65.72 -4.69 -7.89	62.14 -5.19 -7.65	60.73 -5.05 -7.70	60.15 -5.00 -7.63	59.42 -5.03 -7.89	70.99 -4.88 -7.12	75.25 -5.10 -9.47	72.06 -4.72 -9.38	71.17 -4.96 -8.14	63.88 -4.78 -8.15	59.56 -4.87 -7.81	58.17 -5.30 -7.08	58.59 -4.84 -7.16
PAWLING_115_KV_BK3_REV_LBMP_H 345028	88.90 4.78 -27.91	80.73 4.54 -20.10	76.96 4.55 -16.26	76.75 4.60 -15.99	78.50 4.44 -17.84	90.81 4.51 -29.92	120.67 5.71 -54.27	148.36 6.04 -81.30	126.57 6.78 -53.31	123.60 6.83 -48.43	119.14 6.98 -43.10	117.24 6.25 -48.47	112.36 5.67 -47.01	110.92 5.52 -47.33	109.80 5.41 -46.87	110.36 5.32 -48.48	119.18 6.67 -43.76	136.29 7.23 -58.18	132.07 7.01 -57.66	124.98 6.93 -50.05	116.66 6.05 -50.10	109.81 5.38 -47.82	104.77 5.02 -43.36	104.71 4.61 -43.82
PEEKSKILL____ 23653	87.43 3.99 -27.23	79.51 3.82 -19.61	75.89 3.87 -15.86	75.58 3.82 -15.60	77.44 3.82 -17.41	89.46 3.89 -29.18	118.38 4.74 -52.94	145.27 4.94 -79.32	124.43 5.45 -52.49	121.92 5.53 -48.06	118.98 5.59 -44.32	116.52 5.06 -48.94	112.14 4.78 -47.68	110.65 4.53 -48.04	109.59 4.43 -47.63	110.11 4.36 -49.19	119.15 5.57 -44.84	136.00 5.88 -59.24	131.24 5.66 -58.18	125.03 5.58 -51.46	115.95 4.90 -50.54	109.33 4.42 -48.30	104.35 4.23 -43.74	103.61 3.94 -43.40
PGE MADISON__WINDPWR 24146	70.52 5.62 -8.68	67.68 5.33 -6.25	66.38 5.16 -5.06	66.52 5.39 -4.98	67.16 5.40 -5.55	71.67 5.97 -9.31	86.02 8.43 -16.89	95.04 8.72 -25.30	92.38 9.31 -16.59	93.10 9.70 -15.07	92.21 9.74 -13.41	86.04 8.44 -15.08	82.01 7.70 -14.63	80.00 7.20 -14.73	79.12 7.02 -14.58	78.43 6.78 -15.09	91.52 9.22 -13.55	99.04 10.14 -18.02	95.23 9.97 -17.86	93.08 9.59 -15.50	84.56 8.53 -15.52	78.95 7.47 -14.87	76.18 6.31 -13.48	75.98 6.08 -13.62
PIERCEFIELD__HYD 23852	54.64 -1.57 0.00	54.58 -1.51 0.00	54.58 -1.57 0.00	54.70 -1.46 0.00	54.64 -1.57 0.00	54.35 -2.03 0.00	56.81 -3.88 0.00	57.42 -3.60 0.00	62.63 -3.86 0.00	64.37 -3.96 0.00	65.12 -3.94 0.00	58.96 -3.56 0.00	57.54 -2.15 0.00	56.10 -1.97 0.00	55.57 -1.96 0.00	54.69 -1.87 0.00	64.69 -4.06 0.00	66.63 -4.25 0.00	63.22 -4.18 0.00	63.84 -4.15 0.00	56.88 -3.63 0.00	54.41 -2.21 0.00	54.86 -1.52 0.00	54.70 -1.58 0.00
PINELAWN_CC_1 323563	97.08 5.85 -35.02	88.72 5.72 -26.90	77.93 5.73 -16.04	77.60 5.67 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.67 7.07 -83.58	150.54 7.78 -76.28	147.61 7.86 -71.42	148.73 7.87 -71.80	150.21 7.12 -80.57	148.49 6.74 -82.07	150.03 6.45 -85.50	150.01 6.38 -86.10	148.53 6.28 -85.69	151.74 7.90 -75.09	155.71 8.36 -76.46	154.58 8.02 -79.16	153.33 7.95 -77.39	150.70 6.96 -83.23	148.35 6.34 -85.39	138.90 6.09 -76.42	109.68 5.85 -47.55
PJM_GEN_HTP_PROXY 323702	88.30 4.55 -27.54	80.30 4.38 -19.83	76.58 4.38 -16.04	76.26 4.32 -15.78	78.15 4.33 -17.61	90.36 4.45 -29.52	119.60 5.34 -53.55	146.80 5.55 -80.23	135.60 6.18 -62.93	139.53 6.36 -64.84	151.65 6.42 -76.17	151.02 5.82 -82.69	149.94 5.49 -84.77	149.60 5.28 -86.24	149.34 5.18 -86.63	149.42 5.03 -87.82	163.31 6.39 -88.17	171.41 6.74 -93.78	158.57 6.47 -84.70	162.40 6.39 -88.02	150.20 5.63 -84.06	139.58 5.04 -77.93	130.59 4.90 -69.31	114.13 4.62 -53.24



PJM_GEN_KEystone 24065	71.00 0.06 -14.73	68.06 -0.11 -12.08	66.04 0.11 -9.77	65.82 0.06 -9.61	67.05 0.11 -10.73	74.76 0.40 -17.98	94.47 1.15 -32.62	110.68 0.79 -48.87	99.89 0.53 -32.87	96.18 0.48 -27.36	83.00 0.49 -13.45	79.20 0.44 -16.24	78.00 0.42 -17.89	73.16 0.17 -14.91	72.70 0.06 -15.12	75.45 -0.06 -18.95	82.49 0.62 -13.12	106.14 0.64 -34.62	102.55 0.74 -34.41	96.79 0.61 -28.19	87.00 0.37 -26.12	80.90 0.11 -24.17	72.90 -0.17 -16.69	74.92 -0.11 -18.76
PJM_GEN_NEPTUNE_PROXY 323594	96.18 4.95 -35.02	87.82 4.82 -26.90	77.02 4.83 -16.04	76.70 4.77 -15.77	87.69 4.78 -26.71	111.51 4.96 -50.16	146.83 5.83 -80.30	150.58 5.98 -83.58	149.35 6.58 -76.28	146.52 6.77 -71.42	147.70 6.84 -71.80	149.28 6.19 -80.57	147.60 5.85 -82.07	149.16 5.58 -85.50	149.10 5.47 -86.10	147.62 5.38 -85.69	150.64 6.81 -75.09	154.44 7.09 -76.46	153.44 6.88 -79.16	152.18 6.80 -77.39	149.73 5.99 -83.23	147.39 5.38 -85.39	138.05 5.24 -76.42	108.78 4.95 -47.55
PJM_GEN_VFT_PROXY 323633	88.08 4.33 -27.54	80.08 4.15 -19.83	76.35 4.16 -16.04	76.03 4.10 -15.78	77.92 4.10 -17.61	90.19 4.28 -29.52	119.26 5.04 -53.53	137.46 5.25 -71.20	134.40 5.85 -62.06	125.41 6.01 -51.06	125.14 6.08 -50.00	121.19 5.50 -53.17	120.19 5.19 -55.31	120.20 5.00 -57.12	120.19 4.89 -57.78	120.25 4.80 -58.88	118.18 6.05 -43.39	117.18 6.38 -39.91	117.19 6.13 -43.66	117.25 6.12 -43.14	117.94 5.33 -52.11	118.52 4.81 -57.10	124.27 4.62 -63.26	117.04 4.39 -56.37
PLATSBRG_115KV_PMLD1 355749	57.05 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.05 0.90 0.00	57.11 0.90 0.00	57.29 0.90 0.00	60.76 0.06 0.00	61.44 0.43 0.00	66.89 0.40 0.00	68.81 0.48 0.00	69.68 0.62 0.00	63.02 0.50 0.00	60.40 0.72 0.00	58.72 0.64 0.00	58.22 0.69 0.00	57.24 0.68 0.00	68.75 0.00 0.00	70.53 -0.35 0.00	66.66 -0.74 0.00	66.97 -1.02 0.00	59.54 -0.97 0.00	55.94 -0.68 0.00	56.10 -0.28 0.00	55.82 -0.45 0.00
PLEASANTVLY___LBMP 24000	88.97 3.65 -29.10	80.58 3.53 -20.96	76.70 3.59 -16.95	76.37 3.54 -16.67	78.36 3.54 -18.61	91.19 3.61 -31.20	121.60 4.31 -56.59	150.19 4.39 -84.78	126.99 4.92 -55.59	123.83 4.99 -50.51	119.05 5.04 -44.95	117.63 4.56 -50.54	112.94 4.24 -49.02	111.55 4.12 -49.35	110.48 4.08 -48.87	111.08 3.96 -50.56	119.40 5.02 -45.64	136.80 5.25 -60.67	132.58 5.05 -60.13	125.21 5.03 -52.19	117.17 4.42 -52.25	110.69 4.02 -50.05	105.67 3.89 -45.39	105.75 3.60 -45.87
PLSNTVLE_13_KV_13.8KVDIST 80602	88.21 4.16 -27.84	80.18 4.04 -20.05	76.42 4.04 -16.22	76.15 4.04 -15.95	78.06 4.05 -17.80	90.34 4.12 -29.84	119.82 4.98 -54.14	147.31 5.19 -81.11	124.73 5.72 -52.52	121.45 5.88 -47.24	114.96 5.94 -39.97	114.04 5.38 -46.14	109.10 4.95 -44.46	107.61 4.82 -44.71	106.44 4.72 -44.19	107.03 4.64 -45.83	115.47 5.91 -40.81	131.88 6.24 -54.76	128.37 6.00 -54.98	120.35 5.92 -46.44	113.50 5.20 -47.79	107.22 4.64 -45.96	102.66 4.51 -41.77	103.76 4.22 -43.27
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	88.21 4.16 -27.84	80.18 4.04 -20.05	76.42 4.04 -16.22	76.15 4.04 -15.95	78.06 4.05 -17.80	90.34 4.12 -29.84	119.82 4.98 -54.14	147.31 5.19 -81.11	124.73 5.72 -52.52	121.45 5.88 -47.24	114.96 5.94 -39.97	114.04 5.38 -46.14	109.10 4.95 -44.46	107.61 4.82 -44.71	106.44 4.72 -44.19	107.03 4.64 -45.83	115.47 5.91 -40.81	131.88 6.24 -54.76	128.37 6.00 -54.98	120.35 5.92 -46.44	113.50 5.20 -47.79	107.22 4.64 -45.96	102.66 4.51 -41.77	103.76 4.22 -43.27
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	89.15 4.78 -28.16	80.92 4.54 -20.28	77.17 4.60 -16.40	76.84 4.55 -16.13	78.71 4.50 -18.01	91.19 4.62 -30.19	121.35 5.89 -54.76	148.98 5.92 -82.04	126.86 6.58 -53.79	123.84 6.63 -48.87	119.19 6.63 -43.50	117.37 5.94 -48.91	112.55 5.43 -47.44	111.12 5.29 -47.76	110.05 5.23 -47.29	110.63 5.15 -48.92	119.37 6.46 -44.16	136.54 6.95 -58.71	132.32 6.74 -58.19	125.16 6.66 -50.51	116.88 5.81 -50.56	109.92 5.15 -48.15	104.90 4.85 -43.67	105.01 4.61 -44.13
POLETTI_____ 23519	88.42 4.67 -27.54	80.36 4.43 -19.83	76.64 4.44 -16.04	76.32 4.38 -15.78	78.21 4.38 -17.61	90.42 4.51 -29.52	119.66 5.40 -53.56	146.87 5.61 -80.24	139.09 6.38 -66.22	145.16 6.56 -70.27	162.26 6.63 -86.57	162.32 6.00 -93.79	162.23 5.55 -96.99	162.31 5.40 -98.83	162.38 5.35 -99.50	162.32 5.20 -100.56	177.83 6.60 -102.48	182.85 6.95 -105.02	167.34 6.67 -93.27	174.54 6.60 -99.96	161.39 5.81 -95.07	149.48 5.21 -87.66	139.10 5.02 -77.70	117.42 4.78 -56.37
POMONA___ESR 323819	86.61 3.82 -26.58	78.93 3.70 -19.14	75.34 3.71 -15.48	75.09 3.71 -15.23	76.91 3.71 -16.99	88.65 3.78 -28.49	117.00 4.61 -51.69	143.21 4.76 -77.43	122.74 5.12 -51.13	120.26 5.19 -46.73	117.06 5.25 -42.76	114.67 4.75 -47.40	110.29 4.48 -46.13	108.85 4.30 -46.47	107.79 4.20 -46.07	108.23 4.07 -47.59	117.28 5.22 -43.31	133.71 5.53 -57.29	129.11 5.32 -56.39	122.89 5.24 -49.66	114.09 4.60 -48.98	107.58 4.13 -46.84	102.76 3.95 -42.43	102.21 3.66 -42.28
PORT_JEFF_3 23555	96.97 5.74 -35.02	88.72 5.72 -26.90	77.98 5.79 -16.04	77.66 5.73 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.67 7.07 -83.58	150.28 7.51 -76.28	147.07 7.32 -71.42	148.32 7.46 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.20 7.36 -75.09	154.79 7.44 -76.46	153.77 7.21 -79.16	152.66 7.28 -77.39	150.28 6.54 -83.23	148.01 6.00 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
PORT_JEFF_4 23616	96.97 5.74 -35.02	88.72 5.72 -26.90	77.98 5.79 -16.04	77.66 5.73 -15.77	88.65 5.74 -26.71	112.41 5.86 -50.16	147.92 6.92 -80.30	151.67 7.07 -83.58	150.28 7.51 -76.28	147.07 7.32 -71.42	148.32 7.46 -71.80	149.78 6.69 -80.57	148.07 6.32 -82.07	149.68 6.10 -85.50	149.67 6.04 -86.10	148.13 5.88 -85.69	151.20 7.36 -75.09	154.79 7.44 -76.46	153.77 7.21 -79.16	152.66 7.28 -77.39	150.28 6.54 -83.23	148.01 6.00 -85.39	138.56 5.75 -76.42	109.40 5.57 -47.55
PORT_JEFF_IC 23713	97.08 5.85 -35.02	88.83 5.83 -26.90	78.09 5.89 -16.04	77.77 5.84 -15.77	88.76 5.85 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.30	151.86 7.26 -83.58	150.41 7.64 -76.28	147.14 7.38 -71.42	148.39 7.53 -71.80	149.90 6.82 -80.57	148.14 6.39 -82.07	149.74 6.15 -85.50	149.72 6.09 -86.10	148.24 5.99 -85.69	151.33 7.49 -75.09	155.01 7.66 -76.46	153.97 7.41 -79.16	152.86 7.48 -77.39	150.40 6.66 -83.23	148.07 6.06 -85.39	138.62 5.81 -76.42	109.45 5.63 -47.55
PPL PILGRIM_ST_GT1 24216	97.42 6.18 -35.02	89.11 6.11 -26.90	78.32 6.12 -16.04	78.00 6.07 -15.77	89.04 6.13 -26.71	112.75 6.20 -50.16	148.22 7.22 -80.30	152.04 7.44 -83.58	150.88 8.11 -76.28	147.82 8.06 -71.42	148.94 8.08 -71.80	150.40 7.31 -80.57	148.67 6.92 -82.07	150.20 6.62 -85.50	150.18 6.56 -86.10	148.69 6.45 -85.69	152.01 8.18 -75.09	155.85 8.50 -76.46	154.78 8.22 -79.16	153.54 8.16 -77.39	150.88 7.14 -83.23	148.52 6.51 -85.39	139.07 6.26 -76.42	109.91 6.08 -47.55
PPL PILGRIM_ST_GT2 24217	97.42 6.18 -35.02	89.11 6.11 -26.90	78.32 6.12 -16.04	78.00 6.07 -15.77	89.04 6.13 -26.71	112.75 6.20 -50.16	148.22 7.22 -80.30	152.04 7.44 -83.58	150.88 8.11 -76.28	147.82 8.06 -71.42	148.94 8.08 -71.80	150.40 7.31 -80.57	148.67 6.92 -82.07	150.20 6.62 -85.50	150.18 6.56 -86.10	148.69 6.45 -85.69	152.01 8.18 -75.09	155.85 8.50 -76.46	154.78 8.22 -79.16	153.54 8.16 -77.39	150.88 7.14 -83.23	148.52 6.51 -85.39	139.07 6.26 -76.42	109.91 6.08 -47.55



PPL_SHRM_GT3 24213	97.14 5.90 -35.02	89.17 6.17 -26.90	78.59 6.40 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.83 8.23 -83.58	150.68 7.91 -76.28	146.38 6.63 -71.42	147.77 6.91 -71.80	149.34 6.25 -80.57	147.54 5.79 -82.07	149.28 5.69 -85.50	149.27 5.64 -86.10	147.73 5.48 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.70 7.14 -79.16	152.58 7.20 -77.39	150.04 6.29 -83.23	147.62 5.61 -85.39	138.11 5.30 -76.42	109.11 5.29 -47.55
PPL_SHRM_GT4 24214	97.14 5.90 -35.02	89.17 6.17 -26.90	78.59 6.40 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.83 8.23 -83.58	150.68 7.91 -76.28	146.38 6.63 -71.42	147.77 6.91 -71.80	149.34 6.25 -80.57	147.54 5.79 -82.07	149.28 5.69 -85.50	149.27 5.64 -86.10	147.73 5.48 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.70 7.14 -79.16	152.58 7.20 -77.39	150.04 6.29 -83.23	147.62 5.61 -85.39	138.11 5.30 -76.42	109.11 5.29 -47.55
PROJECT___ORANGE 1 24174	57.81 -0.90 -2.50	56.93 -0.95 -1.80	56.66 -0.95 -1.45	56.63 -0.95 -1.43	56.91 -0.90 -1.60	58.27 -0.79 -2.67	65.37 -0.18 -4.85	68.16 -0.12 -7.27	70.99 -0.27 -4.77	72.46 -0.21 -4.33	72.64 -0.28 -3.85	66.67 -0.19 -4.33	63.47 -0.42 -4.20	61.90 -0.41 -4.23	61.26 -0.46 -4.19	60.39 -0.51 -4.33	72.46 -0.21 -3.92	75.96 -0.14 -5.21	72.43 -0.13 -5.17	72.20 -0.27 -4.49	64.64 -0.36 -4.49	60.41 -0.51 -4.30	59.55 -0.73 -3.90	59.43 -0.79 -3.94
PROJECT___ORANGE 2 24166	57.81 -0.90 -2.50	56.93 -0.95 -1.80	56.66 -0.95 -1.45	56.63 -0.95 -1.43	56.91 -0.90 -1.60	58.27 -0.79 -2.67	65.37 -0.18 -4.85	68.16 -0.12 -7.27	70.99 -0.27 -4.77	72.46 -0.21 -4.33	72.64 -0.28 -3.85	66.67 -0.19 -4.33	63.47 -0.42 -4.20	61.90 -0.41 -4.23	61.26 -0.46 -4.19	60.39 -0.51 -4.33	72.46 -0.21 -3.92	75.96 -0.14 -5.21	72.43 -0.13 -5.17	72.20 -0.27 -4.49	64.64 -0.36 -4.49	60.41 -0.51 -4.30	59.55 -0.73 -3.90	59.43 -0.79 -3.94
PUCKETT___SOLAR 323809	66.86 1.41 -9.24	63.98 1.23 -6.65	62.88 1.35 -5.38	62.79 1.35 -5.29	63.58 1.46 -5.91	67.98 1.69 -9.90	81.52 2.85 -17.96	90.80 2.87 -26.91	86.99 2.86 -17.65	87.24 2.87 -16.03	86.16 2.83 -14.27	81.00 2.44 -16.04	77.51 2.27 -15.56	75.78 2.03 -15.67	75.00 1.96 -15.51	74.47 1.86 -16.05	86.17 2.95 -14.47	93.38 3.26 -19.23	89.69 3.23 -19.06	87.60 3.06 -16.54	79.61 2.54 -16.56	74.63 2.15 -15.87	72.46 1.69 -14.39	72.45 1.63 -14.54
PYRITES___HYD 24023	55.71 -0.51 0.00	55.59 -0.50 0.00	55.54 -0.62 0.00	55.65 -0.51 0.00	55.59 -0.62 0.00	55.54 -0.85 0.00	58.27 -2.43 0.00	59.00 -2.01 0.00	64.43 -2.06 0.00	66.15 -2.19 0.00	66.99 -2.07 0.00	60.58 -1.94 0.00	59.09 -0.60 0.00	57.67 -0.41 0.00	57.12 -0.40 0.00	56.11 -0.45 0.00	66.34 -2.41 0.00	68.26 -2.62 0.00	64.70 -2.70 0.00	65.41 -2.58 0.00	58.33 -2.18 0.00	55.60 -1.02 0.00	55.93 -0.45 0.00	55.82 -0.45 0.00
QUAKERRD_115KV_BK1 80622	56.67 -2.75 -3.22	55.55 -2.86 -2.32	55.22 -2.81 -1.87	55.19 -2.81 -1.84	55.63 -2.64 -2.06	57.41 -2.42 -3.45	65.43 -1.52 -6.25	68.43 -1.95 -9.37	70.17 -2.46 -6.14	71.45 -2.46 -5.58	71.47 -2.56 -4.97	65.79 -2.31 -5.58	62.41 -2.69 -5.42	60.92 -2.61 -5.45	60.39 -2.53 -5.40	59.54 -2.60 -5.59	71.46 -2.34 -5.05	75.19 -2.41 -6.72	71.83 -2.22 -6.66	71.39 -2.38 -5.78	63.88 -2.42 -5.79	59.61 -2.55 -5.55	58.54 -2.88 -5.03	58.54 -2.81 -5.08
QUENSBRY_115KV_TB8 356137	95.14 3.82 -35.11	85.08 3.70 -25.28	80.37 3.76 -20.45	80.03 3.76 -20.12	82.54 3.88 -22.45	98.02 4.00 -37.63	133.95 4.98 -68.27	168.55 5.25 -102.28	139.46 5.92 -67.06	135.55 6.29 -60.93	129.71 6.42 -54.23	129.25 5.75 -60.98	124.19 5.37 -59.14	122.78 5.17 -59.54	121.55 5.06 -58.96	122.64 5.09 -60.99	130.13 6.32 -55.06	150.81 6.73 -73.19	146.27 6.34 -72.54	137.28 6.32 -62.97	129.05 5.51 -63.03	121.98 4.98 -60.38	115.83 4.68 -54.76	115.89 4.28 -55.34
RAMAPO___LBMP 323565	86.31 3.60 -26.50	78.66 3.48 -19.09	75.13 3.54 -15.44	74.82 3.48 -15.18	76.64 3.49 -16.95	88.29 3.50 -28.41	116.61 4.37 -51.54	142.74 4.52 -77.21	122.38 4.92 -50.98	119.83 4.92 -46.58	116.68 5.04 -42.58	114.25 4.50 -47.23	109.82 4.18 -45.96	108.44 4.07 -46.30	107.39 3.97 -45.89	107.88 3.90 -47.41	116.80 4.95 -43.10	133.16 5.25 -57.03	128.66 5.12 -56.14	122.44 5.03 -49.42	113.70 4.42 -48.77	107.25 3.96 -46.67	102.44 3.78 -42.28	101.91 3.49 -42.15
RANKINE____ 23646	56.90 -3.77 -4.45	55.31 -3.98 -3.21	55.10 -3.65 -2.59	54.94 -3.76 -2.55	55.52 -3.54 -2.85	57.77 -3.38 -4.77	67.29 -2.06 -8.66	70.69 -3.29 -12.97	70.67 -4.32 -8.50	71.75 -4.31 -7.72	71.51 -4.42 -6.87	66.25 -4.00 -7.73	62.59 -4.60 -7.50	61.21 -4.41 -7.55	60.63 -4.37 -7.47	59.82 -4.47 -7.73	71.60 -4.12 -6.98	75.84 -4.32 -9.28	72.61 -3.98 -9.19	71.75 -4.22 -7.98	64.38 -4.11 -7.99	60.08 -4.19 -7.66	58.70 -4.62 -6.94	59.12 -4.16 -7.02
RAVENSWOOD_GT2_1 24244	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT2_2 24245	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT2_3 24246	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.60 6.56 -95.98	172.30 5.94 -103.84	173.23 5.49 -108.05	173.65 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.71 6.53 -115.43	192.88 6.81 -115.19	175.04 6.60 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.68 5.02 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT2_4 24247	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.60 6.56 -95.98	172.30 5.94 -103.84	173.23 5.49 -108.05	173.65 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.71 6.53 -115.43	192.88 6.81 -115.19	175.04 6.60 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.68 5.02 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT3_1 24248	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.60 6.56 -95.98	172.30 5.94 -103.84	173.23 5.49 -108.05	173.65 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	175.04 6.60 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.63 4.96 -85.28	120.19 4.73 -59.20



RAVENSWOOD_GT3_2 24249	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.94 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.60 6.56 -95.98	172.30 5.94 -103.84	173.23 5.49 -108.05	173.65 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	175.04 6.60 -101.04	185.28 6.53 -110.77	171.30 5.75 -105.04	158.23 5.15 -96.46	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT3_3 24250	88.53 4.78 -27.54	80.53 4.60 -19.84	76.81 4.60 -16.04	76.49 4.55 -15.78	78.38 4.55 -17.61	90.53 4.62 -29.53	119.85 5.58 -53.56	147.06 5.80 -80.24	142.14 6.45 -69.20	150.08 6.56 -75.18	171.67 6.63 -95.98	172.36 6.00 -103.84	173.35 5.61 -108.05	173.70 5.40 -110.22	174.01 5.35 -111.14	173.90 5.26 -112.08	190.78 6.60 -115.43	193.03 6.95 -115.19	175.11 6.67 -101.04	185.42 6.66 -110.77	171.42 5.87 -105.04	158.34 5.27 -96.46	146.74 5.07 -85.28	120.31 4.84 -59.20
RAVENSWOOD_GT3_4 24251	88.53 4.78 -27.54	80.53 4.60 -19.84	76.81 4.60 -16.04	76.49 4.55 -15.78	78.38 4.55 -17.61	90.53 4.62 -29.53	119.85 5.58 -53.56	147.06 5.80 -80.24	142.14 6.45 -69.20	150.08 6.56 -75.18	171.67 6.63 -95.98	172.36 6.00 -103.84	173.35 5.61 -108.05	173.70 5.40 -110.22	174.01 5.35 -111.14	173.90 5.26 -112.08	190.78 6.60 -115.43	193.03 6.95 -115.19	175.11 6.67 -101.04	185.42 6.66 -110.77	171.42 5.87 -105.04	158.34 5.27 -96.46	146.74 5.07 -85.28	120.31 4.84 -59.20
RAVENSWOOD_GT_1 23729	88.82 5.06 -27.55	80.76 4.82 -19.85	77.04 4.83 -16.05	76.72 4.77 -15.79	78.61 4.78 -17.62	90.76 4.85 -29.53	119.97 5.71 -53.56	147.31 6.04 -80.25	142.34 6.65 -69.20	150.21 6.70 -75.18	171.95 6.91 -95.98	172.61 6.25 -103.84	173.53 5.79 -108.05	173.94 5.63 -110.22	174.24 5.58 -111.14	174.07 5.43 -112.08	191.06 6.87 -115.43	193.31 7.23 -115.19	175.38 6.94 -101.04	202.04 6.93 -127.12	171.66 6.11 -105.04	204.37 5.49 -142.26	146.97 5.30 -85.28	120.48 5.01 -59.20
RAVENSWOOD_GT_10 24258	88.48 4.72 -27.54	80.41 4.49 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	183.83 6.53 -109.31	171.24 5.69 -105.04	154.16 5.15 -92.39	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT_11 24259	88.48 4.72 -27.54	80.41 4.49 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	183.83 6.53 -109.31	171.24 5.69 -105.04	154.16 5.15 -92.39	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT_4 24252	88.42 4.67 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.31 4.38 -15.78	78.20 4.38 -17.61	90.42 4.51 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.17 5.43 -108.05	173.59 5.29 -110.22	173.84 5.18 -111.14	173.73 5.09 -112.08	190.64 6.46 -115.43	192.81 6.73 -115.19	174.97 6.54 -101.04	175.63 6.46 -101.18	171.24 5.69 -105.04	131.33 5.10 -69.62	146.63 4.96 -85.28	120.14 4.67 -59.20
RAVENSWOOD_GT_5 24254	88.42 4.67 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.31 4.38 -15.78	78.20 4.38 -17.61	90.42 4.51 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.17 5.43 -108.05	173.59 5.29 -110.22	173.84 5.18 -111.14	173.73 5.09 -112.08	190.64 6.46 -115.43	192.81 6.73 -115.19	174.97 6.54 -101.04	175.63 6.46 -101.18	171.24 5.69 -105.04	131.33 5.10 -69.62	146.63 4.96 -85.28	120.14 4.67 -59.20
RAVENSWOOD_GT_6 24253	88.42 4.67 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.31 4.38 -15.78	78.20 4.38 -17.61	90.42 4.51 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.17 5.43 -108.05	173.59 5.29 -110.22	173.84 5.18 -111.14	173.73 5.09 -112.08	190.64 6.46 -115.43	192.81 6.73 -115.19	174.97 6.54 -101.04	175.63 6.46 -101.18	171.24 5.69 -105.04	131.33 5.10 -69.62	146.63 4.96 -85.28	120.14 4.67 -59.20
RAVENSWOOD_GT_7 24255	88.42 4.67 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.31 4.38 -15.78	78.20 4.38 -17.61	90.42 4.51 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.17 5.43 -108.05	173.59 5.29 -110.22	173.84 5.18 -111.14	173.73 5.09 -112.08	190.64 6.46 -115.43	192.81 6.73 -115.19	174.97 6.54 -101.04	175.63 6.46 -101.18	171.24 5.69 -105.04	131.33 5.10 -69.62	146.63 4.96 -85.28	120.14 4.67 -59.20
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	88.48 4.72 -27.54	80.41 4.49 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	183.83 6.53 -109.31	171.24 5.69 -105.04	154.16 5.15 -92.39	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD_GT_9 24257	88.48 4.72 -27.54	80.41 4.49 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.48 4.57 -29.53	119.72 5.46 -53.56	146.93 5.67 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.53 6.49 -95.98	172.23 5.88 -103.84	173.23 5.49 -108.05	173.59 5.29 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.64 6.46 -115.43	192.88 6.81 -115.19	174.97 6.54 -101.04	183.83 6.53 -109.31	171.24 5.69 -105.04	154.16 5.15 -92.39	146.63 4.96 -85.28	120.19 4.73 -59.20
RAVENSWOOD___1 23533	88.76 5.00 -27.55	80.76 4.82 -19.84	77.04 4.83 -16.05	76.66 4.72 -15.79	78.55 4.72 -17.62	90.81 4.90 -29.53	119.97 5.70 -53.56	147.25 5.98 -80.25	142.27 6.58 -69.20	150.14 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.59 5.85 -108.05	173.93 5.63 -110.22	174.19 5.52 -111.14	174.07 5.43 -112.08	191.00 6.81 -115.44	193.25 7.16 -115.21	175.33 6.88 -101.05	200.02 6.86 -125.16	171.61 6.05 -105.05	198.81 5.44 -136.76	146.91 5.24 -85.28	120.47 5.01 -59.20
RAVENSWOOD___2 23534	88.76 5.00 -27.55	80.76 4.82 -19.84	76.98 4.77 -16.05	76.66 4.72 -15.79	78.55 4.72 -17.62	90.76 4.85 -29.53	119.91 5.65 -53.56	147.19 5.92 -80.25	142.21 6.52 -69.20	150.14 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.59 5.85 -108.05	173.93 5.63 -110.22	174.19 5.52 -111.14	174.02 5.38 -112.08	191.00 6.81 -115.44	193.25 7.16 -115.21	175.33 6.88 -101.05	199.96 6.86 -125.11	171.55 5.99 -105.05	198.66 5.44 -136.61	146.91 5.24 -85.28	120.42 4.95 -59.20
RAVENSWOOD___3 23535	88.48 4.72 -27.54	80.47 4.54 -19.84	76.69 4.49 -16.04	76.37 4.44 -15.78	78.26 4.44 -17.61	90.53 4.62 -29.53	119.73 5.47 -53.56	147.00 5.73 -80.24	142.01 6.32 -69.20	149.94 6.42 -75.18	171.60 6.56 -95.98	172.30 5.94 -103.84	173.35 5.61 -108.05	173.64 5.34 -110.22	173.90 5.23 -111.14	173.79 5.15 -112.08	190.65 6.46 -115.44	192.90 6.81 -115.21	175.06 6.61 -101.05	185.30 6.53 -110.78	171.31 5.75 -105.05	158.23 5.15 -96.46	146.68 5.02 -85.28	120.20 4.73 -59.20



RAVENSWOOD___4 23820	88.71 4.95 -27.55	80.70 4.77 -19.84	76.98 4.77 -16.05	76.66 4.72 -15.79	78.55 4.72 -17.62	90.76 4.85 -29.53	119.91 5.65 -53.56	147.19 5.92 -80.25	142.21 6.52 -69.20	150.14 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.59 5.85 -108.05	173.88 5.58 -110.22	174.13 5.47 -111.14	174.02 5.38 -112.08	191.00 6.81 -115.44	193.18 7.09 -115.21	175.33 6.88 -101.05	197.96 6.80 -123.17	171.55 5.99 -105.05	193.23 5.44 -131.18	146.85 5.18 -85.28	120.42 4.95 -59.20
RCPI_TRUST___DRP 24196	88.42 4.67 -27.54	80.41 4.49 -19.83	76.63 4.44 -16.04	76.32 4.38 -15.78	78.20 4.38 -17.61	90.41 4.51 -29.52	119.72 5.46 -53.55	146.92 5.67 -80.23	135.80 6.38 -62.93	139.66 6.49 -64.84	151.79 6.56 -76.17	151.15 5.94 -82.69	150.00 5.55 -84.77	149.72 5.40 -86.24	149.45 5.29 -86.63	149.59 5.20 -87.82	163.43 6.53 -88.15	171.53 6.88 -93.77	158.69 6.60 -84.69	162.53 6.53 -88.01	150.30 5.75 -84.04	139.70 5.15 -77.93	130.65 4.96 -69.31	114.24 4.73 -53.24
RED___ROCHESTER 323720	58.01 -1.52 -3.31	56.80 -1.68 -2.39	56.51 -1.57 -1.93	56.42 -1.63 -1.90	56.93 -1.40 -2.12	59.09 -0.84 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.19 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	64.43 -0.84 -5.58	62.54 -1.16 -5.62	61.82 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.86	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.92 -1.64 -5.18	59.87 -1.63 -5.23
REGAN___SOLAR 323812	100.21 5.45 -38.55	89.12 5.27 -27.76	83.95 5.34 -22.45	83.63 5.39 -22.09	86.48 5.62 -24.65	103.74 6.04 -41.32	143.43 7.77 -74.96	181.68 8.36 -112.31	149.09 8.97 -73.63	144.53 9.29 -66.90	138.27 9.67 -59.54	138.04 8.57 -66.95	132.49 7.88 -64.93	131.17 7.73 -65.37	129.91 7.65 -64.73	131.73 8.20 -66.97	139.23 10.04 -60.44	161.94 10.70 -80.35	156.87 9.84 -79.64	147.12 10.00 -69.13	138.30 8.59 -69.20	131.01 8.10 -66.30	123.84 7.33 -60.13	123.67 6.64 -60.76
RENSSELAER___COGEN 23796	92.65 2.47 -33.97	83.02 2.47 -24.47	78.47 2.53 -19.79	78.09 2.47 -19.46	80.46 2.53 -21.72	95.28 2.48 -36.42	128.89 2.12 -66.06	162.00 2.01 -98.97	133.77 2.39 -64.89	129.75 2.46 -58.96	124.09 2.56 -52.47	123.77 2.25 -59.00	119.12 2.21 -57.22	117.84 2.15 -57.61	116.71 2.13 -57.05	117.67 2.09 -59.02	124.62 2.61 -53.26	144.32 2.62 -70.81	140.00 2.42 -70.18	131.35 2.44 -60.91	123.61 2.12 -60.98	117.08 2.04 -58.42	111.51 2.14 -52.99	112.07 2.25 -53.54
REPUBLIC_115KV_BARTNBRK 55605	97.43 6.13 -35.09	87.25 5.89 -25.27	82.49 5.90 -20.44	82.16 5.90 -20.10	84.72 6.07 -22.43	100.31 6.31 -37.61	136.82 7.89 -68.23	171.60 8.36 -102.22	142.95 9.44 -67.02	139.21 9.98 -60.90	133.48 10.22 -54.19	132.65 9.19 -60.94	127.38 8.59 -59.10	125.77 8.19 -59.50	124.39 7.94 -58.92	125.60 8.09 -60.96	133.81 10.04 -55.03	154.74 10.70 -73.15	149.87 9.97 -72.50	140.98 10.06 -62.93	132.16 8.65 -63.00	124.89 7.93 -60.35	118.50 7.39 -54.73	118.39 6.81 -55.31
REVERE_CPPR_DRP 24186	59.97 2.30 -1.45	59.27 2.13 -1.05	59.14 2.13 -0.85	59.18 2.19 -0.83	59.39 2.25 -0.93	60.42 2.48 -1.56	67.29 3.76 -2.83	69.16 3.91 -4.23	73.52 4.26 -2.78	75.16 4.31 -2.52	75.52 4.21 -2.24	68.92 3.88 -2.52	65.71 3.58 -2.45	64.03 3.48 -2.46	63.36 3.39 -2.44	62.42 3.34 -2.53	75.43 4.40 -2.28	78.45 4.54 -3.03	74.71 4.31 -3.00	74.74 4.15 -2.61	66.75 3.63 -2.61	62.23 3.11 -2.50	61.41 2.76 -2.27	61.21 2.64 -2.29
REYNOLDS_115KV_TB3 80639	92.94 2.70 -34.03	83.35 2.75 -24.51	78.73 2.75 -19.82	78.41 2.75 -19.50	80.78 2.81 -21.76	95.63 2.76 -36.48	129.67 2.79 -66.18	162.79 2.62 -99.14	134.55 3.06 -65.00	130.54 3.14 -59.06	124.87 3.25 -52.56	124.50 2.88 -59.10	119.75 2.75 -57.32	118.52 2.73 -57.71	117.38 2.70 -57.15	118.28 2.60 -59.12	125.35 3.23 -53.37	145.16 3.33 -70.95	140.81 3.10 -70.31	132.15 3.13 -61.04	124.39 2.78 -61.10	117.69 2.55 -58.53	112.11 2.65 -53.08	112.50 2.59 -53.64
RIVERBAY____ 323610	89.38 5.62 -27.55	81.38 5.44 -19.84	77.71 5.50 -16.05	77.45 5.50 -15.79	79.28 5.45 -17.62	91.38 5.47 -29.53	120.63 6.37 -53.56	147.86 6.59 -80.25	126.81 7.05 -53.28	124.27 7.04 -48.90	121.92 7.25 -45.61	119.15 6.56 -50.06	114.62 6.09 -48.85	113.18 5.87 -49.23	112.17 5.81 -48.83	112.68 5.71 -50.40	122.10 7.29 -46.06	139.20 7.58 -60.73	134.28 7.28 -59.60	128.25 7.34 -52.92	118.59 6.41 -51.66	111.73 5.77 -49.34	106.69 5.64 -44.66	105.74 5.40 -44.06
RIVERSDE_115KV_TB3 55908	92.96 2.64 -34.11	83.35 2.69 -24.56	78.72 2.70 -19.87	78.39 2.70 -19.54	80.77 2.75 -21.81	95.65 2.71 -36.56	129.57 2.55 -66.32	162.76 2.38 -99.36	134.43 2.79 -65.15	130.46 2.94 -59.19	124.78 3.04 -52.68	124.45 2.69 -59.24	119.70 2.57 -57.45	118.47 2.56 -57.84	117.33 2.53 -57.28	118.24 2.43 -59.25	125.26 3.02 -53.49	145.04 3.05 -71.10	140.77 2.90 -70.47	132.02 2.86 -61.17	124.29 2.54 -61.23	117.65 2.38 -58.66	112.06 2.48 -53.20	112.51 2.48 -53.76
ROARING___BROOK_WT_PWR 323790	55.88 -0.34 0.00	55.76 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.33 0.00	55.82 -0.39 0.00	55.87 -0.51 0.00	59.79 -0.91 0.00	60.16 -0.85 0.00	65.56 -0.93 0.00	67.44 -0.89 0.00	68.16 -0.90 0.00	61.71 -0.81 0.00	58.91 -0.78 0.00	57.44 -0.64 0.00	56.95 -0.58 0.00	56.05 -0.51 0.00	67.79 -0.96 0.00	69.82 -1.06 0.00	66.32 -1.08 0.00	66.90 -1.09 0.00	59.60 -0.91 0.00	55.94 -0.68 0.00	55.82 -0.56 0.00	55.77 -0.51 0.00
ROCHESRG_115KV_T4 355643	57.42 -2.08 -3.29	56.21 -2.24 -2.37	55.99 -2.08 -1.92	55.91 -2.13 -1.88	56.35 -1.97 -2.10	58.16 -1.75 -3.52	66.49 -0.61 -6.39	69.31 -1.28 -9.58	70.97 -1.80 -6.28	72.26 -1.78 -5.71	72.27 -1.86 -5.08	66.54 -1.69 -5.71	63.01 -2.21 -5.54	61.56 -2.09 -5.58	60.98 -2.07 -5.52	60.12 -2.15 -5.71	72.26 -1.65 -5.16	76.05 -1.70 -6.86	72.65 -1.55 -6.80	72.13 -1.77 -5.90	64.60 -1.82 -5.91	60.24 -2.04 -5.66	59.15 -2.37 -5.14	59.21 -2.25 -5.19
ROCHESTER_9_IC 23652	57.78 -1.74 -3.31	56.57 -1.91 -2.39	56.29 -1.80 -1.93	56.20 -1.85 -1.90	56.64 -1.69 -2.12	58.53 -1.41 -3.55	66.96 -0.18 -6.44	69.88 -0.79 -9.65	71.49 -1.33 -6.33	72.79 -1.30 -5.75	72.87 -1.31 -5.12	67.09 -1.19 -5.75	63.47 -1.79 -5.58	62.01 -1.68 -5.62	61.48 -1.61 -5.56	60.62 -1.70 -5.76	72.85 -1.10 -5.20	76.67 -1.13 -6.92	73.24 -1.01 -6.85	72.72 -1.22 -5.95	65.07 -1.39 -5.96	60.68 -1.64 -5.71	59.59 -1.97 -5.18	59.59 -1.91 -5.23
ROCKVIEW_13_KV_LD 356306	88.25 4.50 -27.55	80.25 4.32 -19.84	76.53 4.32 -16.05	76.21 4.27 -15.78	78.10 4.27 -17.61	90.31 4.40 -29.53	119.61 5.34 -53.57	146.82 5.55 -80.25	125.28 6.18 -52.61	122.49 6.36 -47.81	121.86 6.42 -46.38	116.18 5.81 -47.84	111.45 5.37 -46.40	110.02 5.23 -46.71	108.90 5.12 -46.26	109.45 5.03 -47.85	118.34 6.39 -43.20	139.19 6.73 -61.57	134.11 6.47 -60.24	128.26 6.46 -53.81	115.59 5.63 -49.45	109.05 5.04 -47.39	104.21 4.85 -42.98	104.27 4.56 -43.43
ROME_____115KV_TB2 80656	59.97 2.30 -1.45	59.27 2.13 -1.05	59.14 2.13 -0.85	59.18 2.19 -0.83	59.39 2.25 -0.93	60.42 2.48 -1.56	67.29 3.76 -2.83	69.16 3.91 -4.23	73.52 4.26 -2.78	75.16 4.31 -2.52	75.52 4.21 -2.24	68.92 3.88 -2.52	65.71 3.58 -2.45	64.03 3.48 -2.46	63.36 3.39 -2.44	62.42 3.34 -2.53	75.43 4.40 -2.28	78.45 4.54 -3.03	74.71 4.31 -3.00	74.74 4.15 -2.61	66.75 3.63 -2.61	62.23 3.11 -2.50	61.41 2.76 -2.27	61.21 2.64 -2.29



ROSETON___1 23587	87.51 3.54 -27.76	79.50 3.42 -19.99	75.81 3.48 -16.17	75.49 3.43 -15.90	77.39 3.43 -17.75	89.69 3.55 -29.76	118.93 4.25 -53.98	146.22 4.33 -80.87	124.30 4.79 -53.02	121.36 4.85 -48.18	116.84 4.90 -42.88	115.17 4.44 -48.21	110.68 4.24 -46.76	109.16 4.00 -47.07	108.11 3.97 -46.62	108.63 3.85 -48.22	117.16 4.88 -43.53	133.93 5.17 -57.87	129.74 4.99 -57.36	122.68 4.90 -49.79	114.71 4.36 -49.84	108.27 3.90 -47.75	103.47 3.78 -43.31	103.53 3.49 -43.77
ROSETON___2 23588	87.51 3.54 -27.76	79.50 3.42 -19.99	75.81 3.48 -16.17	75.49 3.43 -15.90	77.39 3.43 -17.75	89.69 3.55 -29.76	118.93 4.25 -53.98	146.22 4.33 -80.87	124.30 4.79 -53.02	121.36 4.85 -48.18	116.84 4.90 -42.88	115.17 4.44 -48.21	110.68 4.24 -46.76	109.16 4.00 -47.07	108.11 3.97 -46.62	108.63 3.85 -48.22	117.16 4.88 -43.53	133.93 5.17 -57.87	129.74 4.99 -57.36	122.68 4.90 -49.79	114.71 4.36 -49.84	108.27 3.90 -47.75	103.47 3.78 -43.31	103.53 3.49 -43.77
ROTTORDAM_115KV_TB3 80664	93.97 2.30 -35.46	83.92 2.30 -25.53	79.11 2.30 -20.65	78.77 2.30 -20.31	81.24 2.36 -22.67	96.81 2.42 -38.01	132.56 2.91 -68.95	167.24 2.93 -103.30	137.47 3.26 -67.72	133.28 3.42 -61.53	127.28 3.45 -54.76	127.23 3.13 -61.58	122.27 2.86 -59.72	120.99 2.79 -60.13	119.83 2.76 -59.54	120.93 2.77 -61.60	127.79 3.44 -55.60	148.42 3.62 -73.92	144.09 3.44 -73.26	134.98 3.40 -63.59	127.13 2.97 -63.66	120.32 2.72 -60.98	114.28 2.59 -55.31	114.58 2.42 -55.89
RUSSELL___1 23602	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
RUSSELL___2 23532	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
RUSSELL___3 23549	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
RUSSELL___4 23556	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
RUSSELL___STATION 23914	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
S SALMON___HYD 24043	57.41 -0.79 -1.98	56.62 -0.90 -1.43	56.41 -0.90 -1.15	56.39 -0.90 -1.13	56.58 -0.90 -1.27	57.72 -0.79 -2.12	64.43 -0.12 -3.85	66.79 0.00 -5.77	70.20 -0.07 -3.78	71.77 0.00 -3.44	72.05 -0.07 -3.06	66.02 0.06 -3.44	63.02 0.00 -3.34	61.32 -0.12 -3.36	60.74 -0.11 -3.33	59.89 -0.11 -3.44	72.00 0.14 -3.11	75.17 0.14 -4.14	71.64 0.14 -4.10	71.55 0.00 -3.56	63.96 -0.12 -3.57	59.86 -0.17 -3.42	59.15 -0.34 -3.10	58.90 -0.51 -3.13
S.PERRY__115KV_TB1 80734	61.30 0.34 -4.75	59.57 0.06 -3.42	59.09 0.17 -2.77	59.05 0.17 -2.72	59.70 0.45 -3.04	62.27 0.79 -5.09	72.61 2.67 -9.24	77.06 2.20 -13.84	77.49 1.93 -9.08	78.43 1.85 -8.25	77.99 1.59 -7.34	72.03 1.25 -8.25	66.14 -1.55 -8.00	64.63 -1.51 -8.06	64.13 -1.38 -7.98	63.40 -1.41 -8.26	75.78 -0.41 -7.45	80.22 -0.57 -9.90	77.21 0.00 -9.81	76.17 -0.34 -8.52	68.31 -0.73 -8.53	63.60 -1.19 -8.17	64.02 0.23 -7.41	63.99 0.23 -7.49
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	56.44 -4.05 -4.27	54.91 -4.26 -3.08	54.72 -3.93 -2.49	54.56 -4.04 -2.45	55.12 -3.82 -2.73	57.30 -3.66 -4.58	66.58 -2.43 -8.31	69.75 -3.72 -12.45	69.80 -4.85 -8.16	70.97 -4.78 -7.42	70.69 -4.97 -6.60	65.51 -4.44 -7.42	61.87 -5.01 -7.20	60.51 -4.82 -7.25	59.99 -4.72 -7.18	59.18 -4.81 -7.43	70.91 -4.54 -6.70	74.97 -4.82 -8.91	71.78 -4.45 -8.83	70.96 -4.69 -7.66	63.64 -4.54 -7.67	59.38 -4.59 -7.35	58.09 -4.96 -6.67	58.51 -4.50 -6.74
SAWYER___23_KV_LOAD 55526	56.44 -4.05 -4.27	54.91 -4.26 -3.08	54.72 -3.93 -2.49	54.56 -4.04 -2.45	55.12 -3.82 -2.73	57.30 -3.66 -4.58	66.58 -2.43 -8.31	69.75 -3.72 -12.45	69.80 -4.85 -8.16	70.97 -4.78 -7.42	70.69 -4.97 -6.60	65.51 -4.44 -7.42	61.87 -5.01 -7.20	60.51 -4.82 -7.25	59.99 -4.72 -7.18	59.18 -4.81 -7.43	70.91 -4.54 -6.70	74.97 -4.82 -8.91	71.78 -4.45 -8.83	70.96 -4.69 -7.66	63.64 -4.54 -7.67	59.38 -4.59 -7.35	58.09 -4.96 -6.67	58.51 -4.50 -6.74
SELKIRK___I 23801	92.25 2.59 -33.45	82.76 2.58 -24.09	78.28 2.64 -19.48	77.90 2.58 -19.16	80.24 2.64 -21.39	94.89 2.65 -35.85	128.29 2.55 -65.04	160.90 2.44 -97.44	133.17 2.79 -63.89	129.32 2.94 -58.05	123.69 2.97 -51.66	123.30 2.69 -58.09	118.59 2.56 -56.34	117.29 2.50 -56.72	116.17 2.47 -56.17	117.10 2.43 -58.11	124.19 3.02 -52.42	143.69 3.12 -69.69	139.36 2.90 -69.07	130.87 2.92 -59.96	123.07 2.54 -60.02	116.55 2.43 -57.50	111.01 2.48 -52.15	111.51 2.53 -52.70
SELKIRK___II 23799	92.40 2.36 -33.82	82.81 2.36 -24.36	78.22 2.36 -19.70	77.89 2.36 -19.38	80.20 2.36 -21.63	95.01 2.37 -36.26	128.78 2.31 -65.78	161.75 2.19 -98.54	133.68 2.59 -64.61	129.70 2.66 -58.70	123.99 2.69 -52.24	123.64 2.38 -58.75	118.98 2.33 -56.97	117.70 2.26 -57.36	116.57 2.24 -56.80	117.47 2.15 -58.76	124.53 2.75 -53.03	144.14 2.76 -70.50	139.89 2.63 -69.87	131.29 2.65 -60.65	123.52 2.30 -60.71	116.94 2.15 -58.17	111.33 2.20 -52.75	111.77 2.19 -53.31
SENECA OSWGO___HYD 24041	57.07 -1.35 -2.21	56.22 -1.46 -1.59	56.04 -1.40 -1.29	55.96 -1.46 -1.26	56.27 -1.35 -1.41	57.56 -1.19 -2.37	64.20 -0.79 -4.29	66.72 -0.73 -6.43	69.84 -0.87 -4.21	71.35 -0.82 -3.83	71.64 -0.83 -3.41	65.61 -0.75 -3.83	62.69 -0.71 -3.72	61.01 -0.81 -3.74	60.37 -0.86 -3.71	59.49 -0.91 -3.83	71.46 -0.75 -3.47	74.79 -0.71 -4.61	71.30 -0.67 -4.57	71.15 -0.81 -3.97	63.70 -0.79 -3.97	59.51 -0.91 -3.81	58.71 -1.13 -3.45	58.58 -1.18 -3.49



SENECA___115KV_TB3 355854	57.01 -3.65 -4.45	55.37 -3.93 -3.21	55.21 -3.54 -2.59	55.06 -3.65 -2.55	55.63 -3.43 -2.85	57.88 -3.27 -4.77	67.41 -1.94 -8.66	70.81 -3.17 -12.97	70.80 -4.19 -8.50	71.89 -4.17 -7.72	71.65 -4.28 -6.87	66.38 -3.88 -7.73	62.76 -4.42 -7.50	61.33 -4.30 -7.55	60.74 -4.26 -7.47	59.94 -4.36 -7.73	71.74 -3.99 -6.98	75.98 -4.18 -9.28	72.75 -3.84 -9.19	71.89 -4.08 -7.98	64.51 -3.99 -7.99	60.19 -4.08 -7.66	58.82 -4.51 -6.94	59.24 -4.05 -7.02
SENECA___ENERGY 23797	58.83 -0.90 -3.52	57.56 -1.07 -2.54	57.25 -0.95 -2.05	57.17 -1.01 -2.02	57.62 -0.84 -2.25	59.71 -0.45 -3.78	67.92 0.37 -6.85	71.59 0.31 -10.26	73.28 0.07 -6.73	74.52 0.07 -6.11	74.50 0.00 -5.44	68.58 -0.06 -6.12	65.56 -0.06 -5.93	63.76 -0.29 -5.97	63.04 -0.40 -5.92	62.17 -0.51 -6.12	74.41 0.07 -5.59	78.53 0.21 -7.43	75.03 0.27 -7.36	74.45 0.07 -6.39	66.73 -0.18 -6.40	62.29 -0.45 -6.13	61.15 -0.79 -5.56	61.05 -0.84 -5.62
SHOEMAKER___GT 23640	84.47 3.03 -25.23	77.17 2.91 -18.17	73.82 2.97 -14.69	73.53 2.92 -14.45	75.26 2.92 -16.13	86.47 3.04 -27.04	113.52 3.76 -49.05	138.29 3.78 -73.49	118.86 4.19 -48.18	116.28 4.17 -43.78	112.55 4.21 -39.28	110.15 3.81 -43.81	105.75 3.58 -42.49	104.28 3.43 -42.78	103.22 3.34 -42.36	103.66 3.28 -43.82	112.62 4.26 -39.61	128.43 4.54 -53.00	124.24 4.38 -52.47	118.01 4.36 -45.67	109.67 3.81 -45.35	103.46 3.40 -43.45	99.00 3.21 -39.41	99.13 3.04 -39.82
SHOEMAKR_138KV_BK 111 55601	84.31 3.04 -25.06	77.06 2.92 -18.05	73.73 2.98 -14.60	73.43 2.92 -14.36	75.16 2.92 -16.02	86.24 2.99 -26.86	113.20 3.76 -48.73	137.81 3.78 -73.01	118.54 4.19 -47.87	116.06 4.24 -43.49	112.28 4.21 -39.01	109.86 3.81 -43.53	105.42 3.52 -42.21	104.00 3.43 -42.50	103.01 3.39 -42.09	103.38 3.28 -43.54	112.31 4.26 -39.30	127.99 4.54 -52.57	123.82 4.38 -52.04	117.63 4.35 -45.29	109.31 3.81 -44.99	103.18 3.40 -43.17	98.74 3.21 -39.15	98.87 3.04 -39.56
SHOREHAM_IC_1 23715	97.14 5.90 -35.02	89.17 6.17 -26.90	78.59 6.40 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.83 8.23 -83.58	150.68 7.91 -76.28	146.38 6.63 -71.42	147.77 6.91 -71.80	149.34 6.25 -80.57	147.54 5.79 -82.07	149.28 5.69 -85.50	149.27 5.64 -86.10	147.73 5.48 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.70 7.14 -79.16	152.58 7.20 -77.39	150.04 6.29 -83.23	147.62 5.61 -85.39	138.11 5.30 -76.42	109.11 5.29 -47.55
SHOREHAM_IC_2 23716	97.14 5.90 -35.02	89.17 6.17 -26.90	78.59 6.40 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.83 8.23 -83.58	150.68 7.91 -76.28	146.38 6.63 -71.42	147.77 6.91 -71.80	149.34 6.25 -80.57	147.54 5.79 -82.07	149.28 5.69 -85.50	149.27 5.64 -86.10	147.73 5.48 -85.69	150.92 7.08 -75.09	154.72 7.37 -76.46	153.70 7.14 -79.16	152.58 7.20 -77.39	150.04 6.29 -83.23	147.62 5.61 -85.39	138.11 5.30 -76.42	109.11 5.29 -47.55
SISSONVILLE____ 23735	54.64 -1.57 0.00	54.58 -1.51 0.00	54.58 -1.57 0.00	54.70 -1.46 0.00	54.64 -1.57 0.00	54.35 -2.03 0.00	56.81 -3.88 0.00	57.42 -3.60 0.00	62.63 -3.86 0.00	64.37 -3.96 0.00	65.12 -3.94 0.00	58.96 -3.56 0.00	57.54 -2.15 0.00	56.10 -1.97 0.00	55.57 -1.96 0.00	54.69 -1.87 0.00	64.69 -4.06 0.00	66.63 -4.25 0.00	63.22 -4.18 0.00	63.84 -4.15 0.00	56.88 -3.63 0.00	54.41 -2.21 0.00	54.86 -1.52 0.00	54.70 -1.58 0.00
SITHE_IND_GS1 24169	55.91 -2.02 -1.72	55.26 -2.07 -1.24	55.14 -2.02 -1.00	55.07 -2.08 -0.99	55.29 -2.02 -1.10	56.37 -1.86 -1.85	62.35 -1.70 -3.35	64.33 -1.71 -5.02	67.85 -1.93 -3.29	69.34 -1.98 -2.99	69.72 -2.00 -2.66	63.70 -1.82 -2.99	60.80 -1.79 -2.90	59.20 -1.80 -2.92	58.58 -1.84 -2.89	57.74 -1.81 -2.99	69.46 -2.00 -2.70	72.50 -1.98 -3.60	69.07 -1.89 -3.56	69.11 -1.97 -3.09	61.73 -1.88 -3.10	57.72 -1.87 -2.97	57.10 -1.98 -2.69	56.97 -2.02 -2.72
SITHE_IND_GS2 24170	55.91 -2.02 -1.72	55.26 -2.07 -1.24	55.14 -2.02 -1.00	55.07 -2.08 -0.99	55.29 -2.02 -1.10	56.37 -1.86 -1.85	62.35 -1.70 -3.35	64.33 -1.71 -5.02	67.85 -1.93 -3.29	69.34 -1.98 -2.99	69.72 -2.00 -2.66	63.70 -1.82 -2.99	60.80 -1.79 -2.90	59.20 -1.80 -2.92	58.58 -1.84 -2.89	57.74 -1.81 -2.99	69.46 -2.00 -2.70	72.50 -1.98 -3.60	69.07 -1.89 -3.56	69.11 -1.97 -3.09	61.73 -1.88 -3.10	57.72 -1.87 -2.97	57.10 -1.98 -2.69	56.97 -2.02 -2.72
SITHE_IND_GS3 24171	55.91 -2.02 -1.72	55.26 -2.07 -1.24	55.14 -2.02 -1.00	55.07 -2.08 -0.99	55.29 -2.02 -1.10	56.37 -1.86 -1.85	62.35 -1.70 -3.35	64.33 -1.71 -5.02	67.85 -1.93 -3.29	69.34 -1.98 -2.99	69.72 -2.00 -2.66	63.70 -1.82 -2.99	60.80 -1.79 -2.90	59.20 -1.80 -2.92	58.58 -1.84 -2.89	57.74 -1.81 -2.99	69.46 -2.00 -2.70	72.50 -1.98 -3.60	69.07 -1.89 -3.56	69.11 -1.97 -3.09	61.73 -1.88 -3.10	57.72 -1.87 -2.97	57.10 -1.98 -2.69	56.97 -2.02 -2.72
SITHE_IND_GS4 24172	55.91 -2.02 -1.72	55.26 -2.07 -1.24	55.14 -2.02 -1.00	55.07 -2.08 -0.99	55.29 -2.02 -1.10	56.37 -1.86 -1.85	62.35 -1.70 -3.35	64.33 -1.71 -5.02	67.85 -1.93 -3.29	69.34 -1.98 -2.99	69.72 -2.00 -2.66	63.70 -1.82 -2.99	60.80 -1.79 -2.90	59.20 -1.80 -2.92	58.58 -1.84 -2.89	57.74 -1.81 -2.99	69.46 -2.00 -2.70	72.50 -1.98 -3.60	69.07 -1.89 -3.56	69.11 -1.97 -3.09	61.73 -1.88 -3.10	57.72 -1.87 -2.97	57.10 -1.98 -2.69	56.97 -2.02 -2.72
SITHE___BATAVIA 24024	57.60 -2.42 -3.80	56.14 -2.69 -2.74	55.90 -2.47 -2.22	55.81 -2.53 -2.18	56.39 -2.25 -2.43	58.94 -1.52 -4.08	67.79 -0.30 -7.40	70.75 -1.34 -11.08	71.62 -2.13 -7.26	72.89 -2.05 -6.60	72.72 -2.21 -5.87	67.06 -2.06 -6.60	64.18 -1.91 -6.41	62.20 -2.32 -6.45	61.38 -2.53 -6.39	60.57 -2.60 -6.61	72.86 -1.85 -5.97	76.98 -1.84 -7.93	73.58 -1.68 -7.86	72.84 -1.97 -6.82	65.17 -2.18 -6.83	60.67 -2.49 -6.55	59.45 -2.87 -5.94	59.57 -2.70 -6.00
SITHE___INDEPEND 23800	55.91 -2.02 -1.72	55.26 -2.08 -1.24	55.14 -2.02 -1.00	55.07 -2.08 -0.99	55.29 -2.02 -1.10	56.31 -1.92 -1.85	62.35 -1.70 -3.35	64.33 -1.71 -5.02	67.85 -1.93 -3.29	69.34 -1.98 -2.99	69.72 -2.00 -2.66	63.70 -1.81 -2.99	60.68 -1.91 -2.90	59.14 -1.86 -2.92	58.58 -1.84 -2.89	57.74 -1.81 -2.99	69.46 -1.99 -2.70	72.50 -1.98 -3.60	69.07 -1.89 -3.56	69.11 -1.97 -3.09	61.73 -1.88 -3.10	57.71 -1.87 -2.97	57.10 -1.97 -2.69	56.97 -2.03 -2.72
SITHE___MASSENA 23902	55.42 -0.79 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.42 -0.73 0.00	55.42 -0.79 0.00	55.31 -1.07 0.00	57.97 -2.73 0.00	58.46 -2.56 0.00	63.76 -2.73 0.00	65.53 -2.80 0.00	66.30 -2.76 0.00	60.02 -2.50 0.00	57.42 -2.27 0.00	56.57 -1.51 0.00	56.32 -1.21 0.00	55.43 -1.13 0.00	65.86 -2.88 0.00	67.84 -3.05 0.00	64.37 -3.03 0.00	65.07 -2.92 0.00	58.03 -2.48 0.00	55.32 -1.30 0.00	55.42 -0.96 0.00	55.43 -0.84 0.00
SITHE___OGDNSBRG 24021	55.76 -0.45 0.00	55.64 -0.45 0.00	55.65 -0.51 0.00	55.76 -0.39 0.00	55.76 -0.45 0.00	55.65 -0.73 0.00	58.33 -2.37 0.00	59.00 -2.01 0.00	64.36 -2.13 0.00	66.08 -2.26 0.00	66.92 -2.14 0.00	60.52 -2.00 0.00	59.03 -0.66 0.00	57.56 -0.52 0.00	57.01 -0.52 0.00	56.05 -0.51 0.00	66.34 -2.41 0.00	68.26 -2.62 0.00	64.84 -2.56 0.00	65.47 -2.52 0.00	58.39 -2.12 0.00	55.77 -0.85 0.00	55.93 -0.45 0.00	55.82 -0.45 0.00



SITHE___STERLING 23777	59.69 1.80 -1.68	58.98 1.68 -1.21	58.82 1.68 -0.98	58.86 1.74 -0.96	59.09 1.80 -1.08	60.33 2.14 -1.80	67.07 3.09 -3.27	69.21 3.29 -4.90	73.22 3.52 -3.21	74.80 3.55 -2.92	75.11 3.45 -2.60	68.63 3.19 -2.92	65.56 3.04 -2.83	63.78 2.85 -2.85	63.11 2.76 -2.83	62.14 2.66 -2.92	74.96 3.57 -2.64	78.01 3.61 -3.51	74.38 3.50 -3.48	74.34 3.33 -3.02	66.44 2.90 -3.02	61.94 2.43 -2.90	61.15 2.14 -2.63	60.95 2.02 -2.65
SLEIGHT__34_KV_TB1 80719	58.04 -1.41 -3.24	56.85 -1.57 -2.33	56.58 -1.46 -1.89	56.49 -1.52 -1.85	56.93 -1.35 -2.07	58.78 -1.07 -3.47	67.05 0.06 -6.29	70.20 -0.24 -9.43	72.14 -0.53 -6.18	73.47 -0.48 -5.62	73.51 -0.55 -5.00	67.64 -0.50 -5.62	64.24 -0.90 -5.45	62.64 -0.93 -5.49	62.10 -0.86 -5.43	61.22 -0.96 -5.62	73.44 -0.41 -5.11	77.32 -0.35 -6.79	73.86 -0.27 -6.73	73.35 -0.48 -5.84	65.63 -0.73 -5.85	61.20 -1.02 -5.60	60.05 -1.41 -5.08	60.00 -1.41 -5.13
SOUTH CAIRO___GT 23612	92.25 3.82 -32.22	82.99 3.70 -23.20	78.63 3.71 -18.77	78.32 3.71 -18.46	80.58 3.77 -20.60	94.75 3.84 -34.53	127.41 4.07 -62.65	158.59 3.72 -93.86	132.34 4.32 -61.53	128.48 4.24 -55.91	122.82 4.00 -49.76	121.97 3.50 -55.95	117.29 3.34 -54.26	116.02 3.31 -54.63	114.96 3.34 -54.10	116.09 3.57 -55.97	123.80 4.61 -50.44	142.91 4.96 -67.06	138.58 4.72 -66.46	130.37 4.69 -57.69	122.26 3.99 -57.75	115.58 3.63 -55.33	110.06 3.50 -50.18	110.75 3.77 -50.71
SOUTH HAMPTN___IC 23720	97.92 6.69 -35.02	89.84 6.84 -26.90	79.27 7.08 -16.04	79.01 7.08 -15.77	89.83 6.91 -26.71	113.54 6.99 -50.16	149.43 8.43 -80.30	153.63 9.03 -83.58	151.68 8.91 -76.28	147.54 7.79 -71.42	149.01 8.15 -71.80	150.46 7.37 -80.57	148.61 6.86 -82.07	150.26 6.68 -85.50	150.24 6.61 -86.10	148.75 6.50 -85.69	152.08 8.25 -75.09	156.07 8.72 -76.46	154.98 8.42 -79.16	153.81 8.43 -77.39	151.12 7.38 -83.23	148.57 6.56 -85.39	139.07 6.26 -76.42	109.96 6.13 -47.55
SOUTHDOW_115KV_TB1 355954	59.45 -1.63 -4.86	57.57 -2.02 -3.50	57.42 -1.57 -2.83	57.31 -1.63 -2.79	57.97 -1.35 -3.11	60.41 -1.18 -5.21	70.64 0.49 -9.46	74.76 -0.43 -14.17	74.58 -1.20 -9.29	75.82 -0.96 -8.44	75.61 -0.97 -7.51	69.84 -1.13 -8.45	65.79 -2.09 -8.19	64.06 -2.27 -8.25	63.34 -2.36 -8.17	62.52 -2.49 -8.45	74.65 -1.72 -7.62	79.67 -1.35 -10.13	76.50 -0.94 -10.04	75.48 -1.22 -8.72	67.66 -1.57 -8.73	63.05 -1.92 -8.36	61.37 -2.59 -7.58	61.86 -2.08 -7.66
SOUTHOLD_69_KV_BK 2 55809	98.88 7.64 -35.02	90.79 7.80 -26.90	80.17 7.97 -16.04	79.91 7.97 -15.77	90.73 7.81 -26.71	114.44 7.89 -50.16	150.59 9.59 -80.30	154.85 10.25 -83.58	152.94 10.17 -76.28	148.91 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.63 7.88 -82.07	151.36 7.78 -85.50	151.39 7.77 -86.10	149.83 7.58 -85.69	153.52 9.69 -75.08	157.61 10.28 -76.45	156.45 9.91 -79.15	155.22 9.86 -77.38	152.32 8.59 -83.22	149.71 7.70 -85.39	140.08 7.27 -76.42	110.97 7.15 -47.55
SOUTHOLD___IC 23719	98.88 7.64 -35.02	90.79 7.79 -26.90	80.17 7.97 -16.04	79.90 7.97 -15.77	90.79 7.87 -26.71	114.55 8.00 -50.16	150.53 9.53 -80.30	154.85 10.25 -83.58	153.00 10.23 -76.28	148.92 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.80 8.05 -82.07	151.42 7.84 -85.50	151.39 7.76 -86.10	149.83 7.58 -85.69	153.53 9.70 -75.09	157.62 10.27 -76.46	156.47 9.91 -79.16	155.24 9.86 -77.39	152.33 8.59 -83.23	149.71 7.70 -85.39	140.08 7.28 -76.42	110.97 7.15 -47.55
SOUTH_FORK_WT_PWR 323839	98.94 7.70 -35.02	90.85 7.85 -26.90	80.22 8.03 -16.04	79.96 8.03 -15.77	90.84 7.93 -26.71	114.61 8.06 -50.16	150.59 9.59 -80.30	154.85 10.25 -83.58	152.94 10.17 -76.28	148.92 9.16 -71.42	150.46 9.60 -71.80	151.72 8.63 -80.57	149.75 8.00 -82.07	151.37 7.79 -85.50	151.34 7.71 -86.10	149.83 7.58 -85.69	153.46 9.62 -75.09	157.56 10.21 -76.46	156.40 9.84 -79.16	155.24 9.86 -77.39	152.33 8.59 -83.23	149.65 7.64 -85.39	140.08 7.28 -76.42	110.97 7.15 -47.55
SPIERFLS_115KV_TB 1 80737	94.77 3.43 -35.13	84.75 3.37 -25.30	79.99 3.37 -20.46	79.65 3.37 -20.13	82.16 3.49 -22.46	97.65 3.61 -37.65	133.50 4.49 -68.31	168.05 4.70 -102.33	138.90 5.32 -67.09	134.97 5.67 -60.96	129.05 5.73 -54.25	128.72 5.19 -61.01	123.69 4.83 -59.17	122.29 4.65 -59.57	121.06 4.54 -58.99	122.16 4.58 -61.02	129.54 5.71 -55.08	150.21 6.10 -73.23	145.70 5.73 -72.58	136.70 5.71 -63.00	128.54 4.96 -63.06	121.56 4.53 -60.41	115.40 4.23 -54.79	115.47 3.83 -55.37
ST LAWRENCE____ 23600	54.97 -1.24 0.00	54.97 -1.12 0.00	54.97 -1.18 0.00	55.03 -1.12 0.00	55.03 -1.18 0.00	54.92 -1.47 0.00	58.21 -2.49 0.00	58.64 -2.38 0.00	63.89 -2.59 0.00	65.67 -2.67 0.00	66.44 -2.62 0.00	60.15 -2.38 0.00	57.42 -2.27 0.00	56.22 -1.86 0.00	55.86 -1.67 0.00	54.98 -1.58 0.00	66.00 -2.75 0.00	67.98 -2.91 0.00	64.57 -2.83 0.00	65.27 -2.72 0.00	58.21 -2.30 0.00	54.86 -1.76 0.00	54.92 -1.47 0.00	54.98 -1.29 0.00
STATE_CA_115KV_115_LB 55624	93.23 2.70 -34.32	83.50 2.69 -24.72	78.90 2.75 -19.99	78.57 2.75 -19.67	80.97 2.81 -21.95	95.88 2.71 -36.79	129.99 2.55 -66.75	163.45 2.44 -99.99	134.91 2.86 -65.56	130.84 2.94 -59.57	125.18 3.11 -53.01	124.88 2.75 -59.61	120.12 2.63 -57.81	118.84 2.56 -58.20	117.70 2.53 -57.64	118.68 2.49 -59.63	125.67 3.09 -53.83	145.56 3.12 -71.55	141.21 2.90 -70.92	132.47 2.92 -61.56	124.67 2.54 -61.62	118.02 2.38 -59.03	112.40 2.48 -53.54	112.90 2.53 -54.10
STATE_ST_34_KV_LOAD 55959	59.44 -0.22 -3.45	58.24 -0.34 -2.49	57.89 -0.28 -2.01	57.85 -0.28 -1.98	58.25 -0.17 -2.21	60.08 0.00 -3.70	68.32 0.91 -6.71	72.05 0.98 -10.05	74.08 1.00 -6.59	75.35 1.03 -5.99	75.36 0.97 -5.33	69.39 0.88 -5.99	66.03 0.54 -5.81	64.45 0.52 -5.85	63.78 0.46 -5.79	62.95 0.40 -5.99	75.30 1.03 -5.52	79.43 1.21 -7.34	75.88 1.21 -7.27	75.32 1.02 -6.31	67.55 0.73 -6.32	63.12 0.45 -6.05	61.93 0.06 -5.49	61.76 -0.06 -5.55
STATION 5_MISC_HYD 23604	57.78 -1.74 -3.31	56.57 -1.91 -2.39	56.29 -1.80 -1.93	56.20 -1.85 -1.90	56.65 -1.68 -2.12	58.86 -1.07 -3.55	66.96 -0.18 -6.44	69.87 -0.79 -9.65	71.49 -1.33 -6.33	72.78 -1.30 -5.75	72.86 -1.31 -5.12	67.09 -1.19 -5.75	64.07 -1.19 -5.58	62.19 -1.51 -5.62	61.48 -1.61 -5.56	60.62 -1.70 -5.76	72.85 -1.10 -5.20	76.67 -1.14 -6.92	73.24 -1.01 -6.86	72.72 -1.22 -5.95	65.08 -1.39 -5.96	60.68 -1.64 -5.71	59.64 -1.92 -5.18	59.59 -1.91 -5.23
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	58.70 -0.84 -3.33	57.54 -0.95 -2.40	57.20 -0.90 -1.94	57.17 -0.90 -1.91	57.61 -0.73 -2.13	59.51 -0.45 -3.57	68.03 0.85 -6.48	71.22 0.49 -9.71	73.12 0.27 -6.37	74.39 0.27 -5.79	74.42 0.21 -5.15	68.50 0.19 -5.79	64.94 -0.36 -5.62	63.38 -0.35 -5.65	62.84 -0.29 -5.60	61.96 -0.40 -5.79	74.33 0.34 -5.24	78.35 0.50 -6.97	74.84 0.54 -6.91	74.32 0.34 -5.99	66.51 0.00 -6.00	62.03 -0.34 -5.75	60.81 -0.79 -5.21	60.75 -0.79 -5.27
STA_56_34_KV_BUS2_REV_LBMP_B 345033	57.53 -1.97 -3.29	56.38 -2.08 -2.37	56.11 -1.97 -1.92	56.02 -2.02 -1.88	56.46 -1.85 -2.10	58.33 -1.58 -3.52	66.67 -0.42 -6.39	69.62 -0.98 -9.58	71.31 -1.46 -6.28	72.61 -1.44 -5.71	72.69 -1.45 -5.08	66.86 -1.38 -5.71	63.37 -1.85 -5.54	61.85 -1.80 -5.58	61.32 -1.73 -5.52	60.46 -1.81 -5.71	72.68 -1.24 -5.16	76.48 -1.28 -6.87	73.06 -1.15 -6.80	72.54 -1.36 -5.91	64.91 -1.51 -5.91	60.53 -1.76 -5.67	59.44 -2.09 -5.14	59.44 -2.03 -5.19



STA_56___34_KV_BUS2 355983	57.53 -1.97 -3.29	56.38 -2.08 -2.37	56.11 -1.97 -1.92	56.02 -2.02 -1.88	56.46 -1.85 -2.10	58.33 -1.58 -3.52	66.67 -0.42 -6.39	69.62 -0.98 -9.58	71.31 -1.46 -6.28	72.61 -1.44 -5.71	72.69 -1.45 -5.08	66.86 -1.38 -5.71	63.37 -1.85 -5.54	61.85 -1.80 -5.58	61.32 -1.73 -5.52	60.46 -1.81 -5.71	72.68 -1.24 -5.16	76.48 -1.28 -6.87	73.06 -1.15 -6.80	72.54 -1.36 -5.91	64.91 -1.51 -5.91	60.53 -1.76 -5.67	59.44 -2.09 -5.14	59.44 -2.03 -5.19
STA_67___115KV_BK2 355882	57.61 -1.91 -3.31	56.45 -2.02 -2.38	56.17 -1.91 -1.93	56.09 -1.97 -1.90	56.53 -1.80 -2.12	58.41 -1.52 -3.55	66.83 -0.30 -6.44	69.68 -0.98 -9.64	71.35 -1.46 -6.32	72.64 -1.44 -5.74	72.65 -1.52 -5.11	66.89 -1.38 -5.75	63.35 -1.91 -5.57	61.83 -1.86 -5.61	61.30 -1.78 -5.56	60.44 -1.87 -5.75	72.64 -1.31 -5.20	76.45 -1.35 -6.91	73.03 -1.21 -6.85	72.51 -1.43 -5.94	64.89 -1.57 -5.95	60.51 -1.81 -5.70	59.41 -2.14 -5.17	59.47 -2.03 -5.22
STA_7___115KV_9TRANS 80674	58.01 -1.52 -3.31	56.79 -1.68 -2.39	56.51 -1.57 -1.93	56.43 -1.63 -1.90	56.92 -1.41 -2.12	58.81 -1.13 -3.55	67.32 0.18 -6.44	70.18 -0.49 -9.65	71.88 -0.93 -6.33	73.20 -0.89 -5.75	73.28 -0.90 -5.12	67.46 -0.81 -5.75	63.83 -1.43 -5.58	62.36 -1.34 -5.62	61.83 -1.27 -5.56	60.96 -1.36 -5.76	73.26 -0.69 -5.20	77.16 -0.64 -6.92	73.71 -0.54 -6.85	73.19 -0.75 -5.95	65.44 -1.03 -5.96	61.02 -1.30 -5.71	59.87 -1.69 -5.18	59.87 -1.63 -5.23
STA_82___115KV_TB1 80780	57.69 -1.85 -3.33	56.47 -2.02 -2.40	56.24 -1.85 -1.94	56.15 -1.91 -1.91	56.60 -1.74 -2.13	58.49 -1.47 -3.57	66.93 -0.24 -6.47	69.80 -0.92 -9.70	71.38 -1.46 -6.36	72.68 -1.44 -5.78	72.75 -1.45 -5.14	66.93 -1.38 -5.78	63.38 -1.91 -5.61	61.92 -1.80 -5.65	61.39 -1.73 -5.59	60.53 -1.81 -5.78	72.74 -1.24 -5.23	76.56 -1.28 -6.95	73.14 -1.15 -6.89	72.61 -1.36 -5.98	64.98 -1.51 -5.99	60.60 -1.76 -5.74	59.50 -2.09 -5.20	59.56 -1.97 -5.26
STEEL___WIND 323596	56.95 -3.71 -4.45	55.37 -3.93 -3.21	55.15 -3.60 -2.59	55.00 -3.71 -2.55	55.57 -3.49 -2.85	58.28 -2.87 -4.77	67.35 -2.00 -8.66	70.75 -3.24 -12.97	70.73 -4.26 -8.50	71.82 -4.24 -7.72	71.59 -4.35 -6.87	66.31 -3.94 -7.73	63.48 -3.70 -7.50	61.56 -4.07 -7.55	60.69 -4.32 -7.47	59.88 -4.41 -7.73	71.67 -4.06 -6.98	75.91 -4.25 -9.28	72.68 -3.91 -9.20	71.82 -4.15 -7.98	64.45 -4.05 -7.99	60.14 -4.13 -7.66	58.81 -4.51 -6.94	59.18 -4.11 -7.02
STEPHTWN_115KV_BK_2 55603	93.44 3.26 -33.97	83.81 3.25 -24.47	79.20 3.26 -19.79	78.88 3.26 -19.46	81.25 3.32 -21.72	96.13 3.33 -36.42	129.98 3.22 -66.06	163.10 3.11 -98.97	134.97 3.59 -64.89	131.05 3.76 -58.96	125.33 3.80 -52.47	124.90 3.38 -59.00	120.07 3.16 -57.22	118.77 3.08 -57.61	117.63 3.05 -57.05	118.58 3.00 -59.02	125.80 3.78 -53.27	145.68 3.97 -70.82	141.30 3.71 -70.19	132.59 3.67 -60.93	124.71 3.21 -60.99	118.04 3.00 -58.42	112.41 3.04 -52.99	112.86 3.04 -53.54
STEBUBEN_REC_LFGE 323667	61.86 -0.39 -6.05	59.83 -0.62 -4.35	59.34 -0.34 -3.52	59.23 -0.39 -3.46	59.96 -0.11 -3.87	62.98 0.11 -6.48	74.21 1.76 -11.76	79.97 1.34 -17.61	78.90 0.86 -11.55	79.71 0.89 -10.49	79.09 0.69 -9.34	73.58 0.56 -10.50	69.63 -0.24 -10.18	68.04 -0.29 -10.25	67.33 -0.35 -10.15	66.55 -0.51 -10.50	78.75 0.55 -9.45	84.23 0.78 -12.57	80.73 0.88 -12.46	79.35 0.54 -10.81	71.39 0.06 -10.82	66.59 -0.40 -10.37	64.94 -0.85 -9.41	65.05 -0.73 -9.51
STILLWATER___SOLAR 323814	94.60 3.43 -34.96	84.63 3.37 -25.18	79.95 3.43 -20.36	79.61 3.43 -20.03	82.05 3.49 -22.35	97.47 3.61 -37.48	132.93 4.25 -67.98	167.14 4.27 -101.85	138.05 4.79 -66.78	133.99 4.99 -60.67	128.17 5.11 -54.00	127.80 4.56 -60.72	122.93 4.35 -58.89	121.55 4.18 -59.29	120.32 4.08 -58.71	121.42 4.13 -60.73	128.65 5.09 -54.82	149.14 5.38 -72.87	144.68 5.06 -72.22	135.78 5.10 -62.69	127.68 4.41 -62.76	120.82 4.08 -60.13	114.80 3.89 -54.53	115.03 3.66 -55.11
STONY___BROOK 24151	97.14 5.90 -35.02	88.83 5.83 -26.90	78.09 5.89 -16.04	77.77 5.84 -15.77	88.76 5.85 -26.71	112.52 5.97 -50.16	148.04 7.04 -80.30	151.80 7.20 -83.58	150.41 7.64 -76.28	147.27 7.52 -71.42	148.53 7.66 -71.80	149.97 6.88 -80.57	148.26 6.51 -82.07	149.86 6.27 -85.50	149.84 6.21 -86.10	148.36 6.11 -85.69	151.47 7.63 -75.09	155.15 7.80 -76.46	154.11 7.55 -79.16	152.99 7.61 -77.39	150.52 6.78 -83.23	148.24 6.23 -85.39	138.78 5.97 -76.42	109.57 5.74 -47.55
STURGEON_POOL_HYD 23609	88.35 3.71 -28.43	80.05 3.48 -20.48	76.26 3.54 -16.56	75.93 3.48 -16.29	77.82 3.43 -18.18	90.41 3.55 -30.48	120.79 4.80 -55.29	148.73 4.88 -82.83	126.18 5.39 -54.31	123.01 5.33 -49.35	118.29 5.32 -43.92	116.72 4.81 -49.38	111.99 4.42 -47.89	110.53 4.24 -48.22	109.47 4.20 -47.75	110.08 4.13 -49.39	118.42 5.09 -44.59	135.69 5.53 -59.27	131.53 5.39 -58.75	124.29 5.30 -50.99	116.22 4.66 -51.05	109.42 4.13 -48.67	104.36 3.83 -44.14	104.36 3.49 -44.60
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	85.36 3.37 -25.77	77.91 3.25 -18.56	74.48 3.31 -15.01	74.18 3.26 -14.77	75.95 3.26 -16.48	87.28 3.27 -27.63	114.95 4.13 -50.12	140.31 4.21 -75.09	120.37 4.65 -49.23	117.78 4.72 -44.73	114.01 4.77 -40.18	111.54 4.25 -44.76	107.04 3.94 -43.41	105.62 3.83 -43.71	104.60 3.80 -43.28	105.01 3.68 -44.77	113.91 4.74 -40.42	130.05 5.03 -54.13	125.83 4.85 -53.58	119.47 4.83 -46.65	111.02 4.24 -46.27	104.75 3.74 -44.40	100.20 3.55 -40.27	100.28 3.32 -40.69
SWANROAD_115KV_TB1 355699	55.31 -5.00 -4.10	53.88 -5.16 -2.95	53.66 -4.89 -2.39	53.51 -5.00 -2.35	54.06 -4.78 -2.62	56.21 -4.57 -4.40	65.21 -3.46 -7.98	68.14 -4.82 -11.95	68.27 -6.05 -7.83	69.44 -6.01 -7.12	69.18 -6.22 -6.33	64.02 -5.63 -7.12	60.50 -6.09 -6.91	59.17 -5.87 -6.95	58.66 -5.75 -6.89	57.86 -5.83 -7.13	69.41 -5.77 -6.43	73.34 -6.10 -8.55	70.14 -5.73 -8.47	69.43 -5.92 -7.36	62.25 -5.63 -7.36	58.07 -5.60 -7.06	56.86 -5.92 -6.40	57.28 -5.46 -6.47
SYNERGY___BIOGAS 323694	57.60 -2.42 -3.80	56.14 -2.69 -2.74	55.90 -2.47 -2.22	55.81 -2.53 -2.18	56.39 -2.25 -2.43	58.94 -1.52 -4.08	67.79 -0.30 -7.40	70.75 -1.34 -11.08	71.62 -2.13 -7.26	72.89 -2.05 -6.60	72.72 -2.21 -5.87	67.06 -2.06 -6.60	64.18 -1.91 -6.41	62.20 -2.32 -6.45	61.38 -2.53 -6.39	60.57 -2.60 -6.61	72.86 -1.85 -5.97	76.98 -1.84 -7.93	73.58 -1.68 -7.86	72.84 -1.97 -6.82	65.17 -2.18 -6.83	60.67 -2.49 -6.55	59.45 -2.87 -5.94	59.57 -2.70 -6.00
SYRACUSE___ENERGY_ST1 323597	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.15 -0.62 -1.61	57.50 -0.51 -1.79	58.99 -0.39 -3.01	66.39 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.40 0.20 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.41 0.00 -4.72	62.78 -0.06 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.27 -4.42	77.12 0.35 -5.88	73.63 0.40 -5.83	73.32 0.27 -5.06	65.64 0.06 -5.06	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45
SYRACUSE___ENERGY_ST2 323598	58.51 -0.51 -2.80	57.49 -0.62 -2.02	57.23 -0.56 -1.63	57.15 -0.62 -1.61	57.50 -0.51 -1.79	58.99 -0.39 -3.01	66.39 0.24 -5.45	69.49 0.31 -8.17	72.04 0.20 -5.36	73.40 0.20 -4.87	73.60 0.21 -4.33	67.58 0.19 -4.87	64.41 0.00 -4.72	62.78 -0.06 -4.75	62.18 -0.06 -4.71	61.32 -0.11 -4.87	73.45 0.27 -4.42	77.12 0.35 -5.88	73.63 0.40 -5.83	73.32 0.27 -5.06	65.64 0.06 -5.06	61.36 -0.11 -4.85	60.45 -0.34 -4.40	60.33 -0.39 -4.45



SYRACUSE___POWER 24017	58.54 -0.62 -2.95	57.54 -0.67 -2.13	57.20 -0.67 -1.72	57.17 -0.67 -1.69	57.48 -0.62 -1.89	59.10 -0.45 -3.16	66.62 0.18 -5.74	69.80 0.18 -8.60	72.26 0.13 -5.64	73.59 0.14 -5.12	73.76 0.14 -4.56	67.77 0.13 -5.13	64.60 -0.06 -4.97	62.97 -0.12 -5.00	62.37 -0.12 -4.96	61.52 -0.17 -5.13	73.59 0.21 -4.63	77.33 0.28 -6.16	73.77 0.27 -6.11	73.43 0.14 -5.30	65.82 0.00 -5.31	61.53 -0.17 -5.08	60.60 -0.39 -4.61	60.43 -0.51 -4.66
TALLMAN___138KV_BK151 55660	86.42 3.77 -26.44	78.72 3.59 -19.04	75.21 3.65 -15.40	74.90 3.59 -15.15	76.72 3.60 -16.91	88.39 3.66 -28.34	116.67 4.55 -51.42	142.75 4.70 -77.03	122.46 5.12 -50.85	119.92 5.13 -46.46	116.68 5.18 -42.45	114.30 4.69 -47.09	109.86 4.36 -45.82	108.42 4.18 -46.16	107.42 4.14 -45.75	107.90 4.07 -47.27	116.87 5.16 -42.97	133.20 5.46 -56.86	128.63 5.26 -55.98	122.49 5.24 -49.26	113.74 4.60 -48.63	107.24 4.08 -46.54	102.44 3.89 -42.16	101.92 3.60 -42.05
TEALLAVE_115KV_TB7 355573	57.72 -0.96 -2.46	56.85 -1.01 -1.77	56.64 -0.95 -1.43	56.56 -1.01 -1.41	56.89 -0.90 -1.57	58.23 -0.79 -2.64	65.30 -0.18 -4.79	68.00 -0.18 -7.17	70.86 -0.33 -4.70	72.33 -0.27 -4.27	72.58 -0.28 -3.80	66.55 -0.25 -4.27	63.35 -0.48 -4.14	61.79 -0.46 -4.17	61.20 -0.46 -4.13	60.33 -0.51 -4.27	72.34 -0.27 -3.87	75.82 -0.21 -5.14	72.29 -0.20 -5.10	72.07 -0.34 -4.42	64.52 -0.42 -4.43	60.29 -0.57 -4.24	59.44 -0.79 -3.85	59.32 -0.84 -3.89
TELGRAPH_34_KV_EAST 80808	56.53 -3.60 -3.92	55.10 -3.81 -2.82	54.90 -3.54 -2.28	54.75 -3.65 -2.24	55.34 -3.37 -2.50	57.42 -3.16 -4.20	66.56 -1.76 -7.62	69.50 -2.93 -11.41	70.05 -3.92 -7.48	71.24 -3.90 -6.80	71.10 -4.01 -6.05	65.70 -3.63 -6.80	62.04 -4.24 -6.60	60.66 -4.07 -6.64	60.14 -3.97 -6.58	59.29 -4.07 -6.80	71.25 -3.64 -6.14	75.30 -3.76 -8.17	71.99 -3.50 -8.10	71.28 -3.74 -7.03	63.79 -3.75 -7.03	59.45 -3.91 -6.74	58.21 -4.29 -6.11	58.46 -4.00 -6.18
TEMPLE___115KV_TB 2 55572	57.81 -0.90 -2.50	56.93 -0.95 -1.80	56.66 -0.95 -1.45	56.63 -0.95 -1.43	56.91 -0.90 -1.60	58.27 -0.79 -2.67	65.37 -0.18 -4.85	68.16 -0.12 -7.27	70.99 -0.27 -4.77	72.46 -0.21 -4.33	72.64 -0.28 -3.85	66.67 -0.19 -4.33	63.47 -0.42 -4.20	61.90 -0.41 -4.23	61.26 -0.46 -4.19	60.39 -0.51 -4.33	72.46 -0.21 -3.92	75.96 -0.14 -5.21	72.43 -0.13 -5.17	72.20 -0.27 -4.49	64.64 -0.36 -4.49	60.41 -0.51 -4.30	59.55 -0.73 -3.90	59.43 -0.79 -3.94
TIANA___69_KV_BK 1 55817	97.70 6.46 -35.02	89.67 6.67 -26.90	79.05 6.85 -16.04	78.78 6.85 -15.77	89.61 6.69 -26.71	113.26 6.71 -50.16	149.25 8.26 -80.30	153.39 8.79 -83.58	151.41 8.64 -76.28	147.34 7.59 -71.42	148.73 7.87 -71.80	150.22 7.13 -80.57	148.26 6.51 -82.07	150.03 6.45 -85.50	150.07 6.44 -86.10	148.53 6.28 -85.69	151.87 8.04 -75.08	155.77 8.44 -76.45	154.70 8.15 -79.15	153.53 8.16 -77.38	150.87 7.14 -83.22	148.41 6.40 -85.39	138.84 6.03 -76.42	109.79 5.96 -47.55
TILDEN___115KV_TB1 80814	58.54 -0.62 -2.95	57.54 -0.67 -2.13	57.20 -0.67 -1.72	57.17 -0.67 -1.69	57.48 -0.62 -1.89	59.10 -0.45 -3.16	66.62 0.18 -5.74	69.80 0.18 -8.60	72.26 0.13 -5.64	73.59 0.14 -5.12	73.76 0.14 -4.56	67.77 0.13 -5.13	64.60 -0.06 -4.97	62.97 -0.12 -5.00	62.37 -0.12 -4.96	61.52 -0.17 -5.13	73.59 0.21 -4.63	77.33 0.28 -6.16	73.77 0.27 -6.11	73.43 0.14 -5.30	65.82 0.00 -5.31	61.53 -0.17 -5.08	60.60 -0.39 -4.61	60.43 -0.51 -4.66
TRIGEN___CC 323695	96.46 5.23 -35.02	88.04 5.05 -26.90	77.19 5.00 -16.04	76.93 5.00 -15.77	87.92 5.00 -26.71	111.62 5.07 -50.16	147.13 6.13 -80.30	150.88 6.28 -83.58	149.75 6.98 -76.28	146.86 7.11 -71.42	148.04 7.18 -71.80	149.59 6.50 -80.57	147.78 6.03 -82.07	149.45 5.87 -85.50	149.44 5.81 -86.10	147.90 5.66 -85.69	150.98 7.15 -75.08	154.85 7.51 -76.45	153.82 7.28 -79.15	152.57 7.21 -77.38	150.02 6.29 -83.22	147.73 5.72 -85.39	138.33 5.53 -76.42	109.06 5.23 -47.55
TRINITY___115KV___ 4 BK 55933	92.79 2.53 -34.05	83.19 2.58 -24.52	78.57 2.58 -19.83	78.25 2.58 -19.51	80.62 2.64 -21.77	95.42 2.54 -36.49	129.21 2.31 -66.20	162.40 2.20 -99.19	134.11 2.59 -65.03	130.08 2.67 -59.09	124.41 2.76 -52.58	124.09 2.44 -59.13	119.36 2.33 -57.35	118.14 2.32 -57.73	117.00 2.30 -57.17	117.91 2.21 -59.14	124.89 2.75 -53.39	144.70 2.84 -70.97	140.37 2.63 -70.34	131.70 2.65 -61.06	123.93 2.30 -61.12	117.32 2.15 -58.55	111.74 2.26 -53.10	112.24 2.31 -53.66
UNION___PROCESSING_DRP 323587	57.69 -1.85 -3.33	56.53 -1.96 -2.40	56.24 -1.85 -1.94	56.16 -1.91 -1.91	56.60 -1.74 -2.13	58.49 -1.47 -3.57	66.94 -0.24 -6.48	69.81 -0.92 -9.71	71.46 -1.40 -6.37	72.75 -1.37 -5.78	72.76 -1.45 -5.15	67.00 -1.31 -5.79	63.45 -1.85 -5.61	61.93 -1.80 -5.65	61.40 -1.73 -5.60	60.54 -1.81 -5.79	72.74 -1.24 -5.23	76.57 -1.28 -6.96	73.15 -1.15 -6.89	72.68 -1.29 -5.98	64.99 -1.51 -5.99	60.60 -1.76 -5.74	59.50 -2.09 -5.21	59.56 -1.97 -5.26
UPPER HUDSON___HYD 24058	94.77 3.43 -35.13	84.75 3.37 -25.30	79.99 3.37 -20.46	79.65 3.37 -20.13	82.16 3.49 -22.46	97.70 3.66 -37.65	133.50 4.49 -68.31	168.05 4.70 -102.33	138.90 5.32 -67.09	134.96 5.67 -60.96	129.04 5.73 -54.25	128.71 5.19 -61.01	123.75 4.90 -59.17	122.35 4.70 -59.57	121.06 4.54 -58.99	122.16 4.58 -61.02	129.53 5.70 -55.08	150.20 6.10 -73.22	145.69 5.73 -72.57	136.69 5.71 -62.99	128.53 4.96 -63.05	121.56 4.53 -60.41	115.40 4.23 -54.79	115.47 3.83 -55.37
UPPER RAQUET___HYD 24056	54.64 -1.57 0.00	54.58 -1.51 0.00	54.58 -1.57 0.00	54.70 -1.46 0.00	54.64 -1.57 0.00	54.24 -2.14 0.00	56.81 -3.89 0.00	57.42 -3.60 0.00	62.63 -3.86 0.00	64.37 -3.97 0.00	65.13 -3.93 0.00	58.96 -3.56 0.00	56.46 -3.22 0.00	55.75 -2.32 0.00	55.57 -1.96 0.00	54.70 -1.87 0.00	64.69 -4.06 0.00	66.63 -4.25 0.00	63.22 -4.18 0.00	63.84 -4.15 0.00	56.88 -3.63 0.00	54.41 -2.21 0.00	54.80 -1.58 0.00	54.70 -1.58 0.00
VALLEY44_115KV_TB2 355964	56.48 -4.67 -4.93	54.76 -4.88 -3.55	54.59 -4.44 -2.87	54.49 -4.49 -2.83	55.09 -4.27 -3.15	57.44 -4.23 -5.29	67.26 -3.03 -9.60	71.43 -3.97 -14.38	70.79 -5.12 -9.43	71.70 -5.19 -8.56	71.36 -5.32 -7.62	66.28 -4.81 -8.57	62.68 -5.31 -8.31	61.28 -5.17 -8.37	60.69 -5.12 -8.29	59.99 -5.15 -8.57	71.39 -5.09 -7.73	75.92 -5.25 -10.28	72.80 -4.79 -10.19	71.67 -5.17 -8.84	64.46 -4.90 -8.85	60.17 -4.93 -8.48	58.66 -5.41 -7.69	59.15 -4.90 -7.78
VALLEY___115KV_TB 1-4 80826	58.85 2.64 0.00	58.67 2.58 0.00	58.74 2.58 0.00	58.74 2.58 0.00	58.80 2.59 0.00	59.03 2.65 0.00	63.86 3.16 0.00	64.13 3.11 0.00	69.94 3.46 0.00	71.96 3.62 0.00	72.65 3.59 0.00	65.90 3.38 0.00	62.85 3.16 0.00	61.16 3.08 0.00	60.46 2.93 0.00	59.33 2.77 0.00	72.19 3.44 0.00	74.29 3.40 0.00	70.56 3.17 0.00	71.05 3.06 0.00	63.17 2.66 0.00	58.99 2.38 0.00	58.64 2.26 0.00	58.41 2.14 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	72.19 3.88 -12.10	68.51 3.70 -8.72	66.86 3.65 -7.05	66.85 3.76 -6.93	67.66 3.71 -7.74	73.30 3.95 -12.97	89.82 5.58 -23.53	102.01 5.74 -35.26	95.85 6.25 -23.12	95.62 6.29 -21.00	94.18 6.42 -18.69	89.23 5.69 -21.02	85.20 5.13 -20.39	83.60 4.99 -20.52	82.74 4.89 -20.32	82.22 4.64 -21.02	93.83 6.12 -18.96	102.55 6.45 -25.21	98.72 6.34 -24.99	95.93 6.26 -21.69	87.79 5.57 -21.71	82.40 4.98 -20.81	79.82 4.57 -18.87	79.67 4.33 -19.07



VISCHER___FERRY HYD 24020	93.60 2.92 -34.47	83.83 2.91 -24.82	79.21 2.97 -20.08	78.88 2.97 -19.75	81.28 3.03 -22.04	96.43 3.10 -36.95	131.12 3.40 -67.03	164.73 3.29 -100.42	136.11 3.79 -65.84	132.11 3.96 -59.82	126.23 3.93 -53.24	125.95 3.56 -59.86	121.20 3.46 -58.06	119.84 3.31 -58.45	118.69 3.28 -57.88	119.61 3.17 -59.88	126.78 3.99 -54.04	146.84 4.11 -71.84	142.51 3.91 -71.21	133.74 3.94 -61.81	125.83 3.45 -61.87	119.07 3.17 -59.28	113.30 3.16 -53.76	113.58 2.98 -54.33
V_A_10_SYNC_DSASP 323832	56.36 -3.54 -3.69	55.10 -3.64 -2.66	54.88 -3.43 -2.15	54.79 -3.48 -2.11	55.26 -3.32 -2.36	57.63 -2.71 -3.96	65.93 -1.94 -7.18	68.72 -3.05 -10.75	69.55 -3.99 -7.05	70.77 -3.97 -6.41	70.62 -4.14 -5.70	65.24 -3.69 -6.41	62.44 -3.46 -6.22	60.56 -3.77 -6.26	59.76 -3.97 -6.20	58.96 -4.01 -6.41	70.83 -3.71 -5.79	74.62 -3.97 -7.70	71.32 -3.71 -7.63	70.67 -3.95 -6.62	63.39 -3.75 -6.63	59.12 -3.85 -6.35	58.03 -4.11 -5.76	58.21 -3.88 -5.82
V_CMM_10_SYNC_DSASP 323787	55.20 -1.01 0.00	55.19 -0.90 0.00	55.20 -0.95 0.00	55.20 -0.95 0.00	55.20 -1.01 0.00	55.14 -1.24 0.00	58.39 -2.31 0.00	58.88 -2.14 0.00	64.16 -2.33 0.00	65.94 -2.39 0.00	66.71 -2.35 0.00	60.40 -2.13 0.00	57.66 -2.03 0.00	56.45 -1.63 0.00	56.09 -1.44 0.00	55.20 -1.36 0.00	66.28 -2.47 0.00	68.26 -2.62 0.00	64.84 -2.56 0.00	65.48 -2.51 0.00	58.39 -2.12 0.00	55.09 -1.53 0.00	55.14 -1.24 0.00	55.15 -1.13 0.00
V_CMP_10_SYNC_DSASP 323788	57.06 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.05 0.90 0.00	57.11 0.90 0.00	57.17 0.79 0.00	60.76 0.06 0.00	61.45 0.43 0.00	66.89 0.40 0.00	68.82 0.48 0.00	69.68 0.62 0.00	63.02 0.50 0.00	60.04 0.36 0.00	58.60 0.52 0.00	58.22 0.69 0.00	57.24 0.68 0.00	68.75 0.00 0.00	70.53 -0.35 0.00	66.66 -0.74 0.00	66.97 -1.02 0.00	59.54 -0.97 0.00	55.94 -0.68 0.00	56.05 -0.34 0.00	55.82 -0.45 0.00
V_D_10_SYNC_DSASP 323841	55.42 -0.79 0.00	55.36 -0.73 0.00	55.37 -0.79 0.00	55.42 -0.73 0.00	55.42 -0.79 0.00	55.31 -1.07 0.00	58.03 -2.67 0.00	58.51 -2.50 0.00	63.76 -2.73 0.00	65.53 -2.80 0.00	66.30 -2.76 0.00	60.02 -2.50 0.00	57.42 -2.27 0.00	56.57 -1.51 0.00	56.38 -1.15 0.00	55.48 -1.08 0.00	65.86 -2.88 0.00	67.84 -3.05 0.00	64.43 -2.96 0.00	65.14 -2.85 0.00	58.03 -2.48 0.00	55.32 -1.30 0.00	55.42 -0.96 0.00	55.43 -0.84 0.00
V_E_10_SYNC_DSASP 323830	70.52 5.62 -8.68	67.68 5.33 -6.25	66.38 5.16 -5.06	66.52 5.39 -4.98	67.16 5.40 -5.55	71.67 5.97 -9.31	86.02 8.43 -16.89	95.04 8.72 -25.30	92.38 9.31 -16.59	93.10 9.70 -15.07	92.21 9.74 -13.41	86.04 8.44 -15.08	82.01 7.70 -14.63	80.00 7.20 -14.73	79.12 7.02 -14.58	78.43 6.78 -15.09	91.52 9.22 -13.55	99.04 10.14 -18.02	95.23 9.97 -17.86	93.08 9.59 -15.50	84.56 8.53 -15.52	78.95 7.47 -14.87	76.18 6.31 -13.48	75.98 6.08 -13.62
V_F_30_NSYNC___DSASP 323816	94.73 3.49 -35.03	84.74 3.42 -25.23	80.05 3.48 -20.41	79.66 3.43 -20.07	82.16 3.54 -22.40	97.60 3.66 -37.56	133.14 4.31 -68.13	167.42 4.33 -102.07	138.26 4.85 -66.92	134.26 5.13 -60.80	128.35 5.18 -54.11	128.06 4.69 -60.85	123.11 4.42 -59.01	121.73 4.24 -59.41	120.50 4.14 -58.83	121.61 4.19 -60.86	128.90 5.22 -54.93	149.37 5.46 -73.03	144.89 5.12 -72.38	135.98 5.16 -62.83	127.94 4.54 -62.89	121.00 4.13 -60.26	114.98 3.95 -54.65	115.21 3.71 -55.22
V_F_30_SYNC_DSASP 323786	93.21 2.70 -34.30	83.49 2.69 -24.70	78.89 2.75 -19.98	78.56 2.75 -19.65	80.95 2.81 -21.93	95.86 2.71 -36.77	129.95 2.55 -66.70	163.33 2.38 -99.93	134.86 2.86 -65.52	130.80 2.94 -59.53	125.08 3.04 -52.98	124.78 2.69 -59.57	120.09 2.63 -57.78	118.80 2.56 -58.17	117.66 2.53 -57.60	118.64 2.49 -59.59	125.63 3.09 -53.79	145.51 3.12 -71.51	141.17 2.90 -70.87	132.43 2.92 -61.52	124.63 2.54 -61.58	117.99 2.38 -58.99	112.36 2.48 -53.50	112.87 2.53 -54.06
V_XM_10_SYNC_DSASP 323789	57.06 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.05 0.90 0.00	57.11 0.90 0.00	57.17 0.79 0.00	60.76 0.06 0.00	61.45 0.43 0.00	66.89 0.40 0.00	68.82 0.48 0.00	69.68 0.62 0.00	63.02 0.50 0.00	60.04 0.36 0.00	58.60 0.52 0.00	58.22 0.69 0.00	57.24 0.68 0.00	68.75 0.00 0.00	70.53 -0.35 0.00	66.66 -0.74 0.00	66.97 -1.02 0.00	59.54 -0.97 0.00	55.94 -0.68 0.00	56.05 -0.34 0.00	55.82 -0.45 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	86.73 3.93 -26.59	79.00 3.76 -19.15	75.46 3.82 -15.49	75.15 3.76 -15.23	76.98 3.77 -17.00	88.72 3.83 -28.50	117.19 4.80 -51.70	143.41 4.94 -77.45	122.96 5.32 -51.15	120.48 5.40 -46.75	117.29 5.46 -42.77	114.88 4.94 -47.42	110.37 4.54 -46.15	108.98 4.41 -46.49	107.93 4.31 -46.08	108.41 4.24 -47.61	117.40 5.36 -43.29	133.83 5.67 -57.27	129.29 5.53 -56.36	123.07 5.44 -49.64	114.25 4.78 -48.96	107.72 4.25 -46.85	102.89 4.06 -42.44	102.33 3.77 -42.29
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	88.36 4.61 -27.54	80.36 4.43 -19.83	76.63 4.44 -16.04	76.32 4.38 -15.78	78.20 4.38 -17.61	90.41 4.51 -29.52	119.66 5.40 -53.55	146.92 5.67 -80.23	135.73 6.32 -62.93	139.66 6.49 -64.84	151.79 6.56 -76.17	151.15 5.94 -82.69	149.94 5.49 -84.77	149.66 5.34 -86.24	149.45 5.29 -86.63	149.53 5.15 -87.82	163.43 6.53 -88.15	171.53 6.88 -93.77	158.69 6.60 -84.69	162.53 6.53 -88.01	150.24 5.69 -84.04	139.70 5.15 -77.93	130.65 4.96 -69.31	114.18 4.67 -53.24
W50THST__13_KV_LOAD 356117	88.70 4.95 -27.54	80.64 4.71 -19.83	76.92 4.72 -16.04	76.60 4.66 -15.78	78.49 4.67 -17.61	90.70 4.79 -29.52	120.02 5.77 -53.55	147.29 6.04 -80.23	136.20 6.78 -62.93	140.14 6.97 -64.84	152.27 7.04 -76.17	151.59 6.38 -82.69	150.36 5.91 -84.77	150.07 5.75 -86.24	149.86 5.70 -86.63	149.93 5.54 -87.82	163.91 7.01 -88.15	172.03 7.37 -93.77	159.10 7.01 -84.69	163.00 7.00 -88.01	150.67 6.11 -84.04	140.04 5.49 -77.93	130.99 5.30 -69.31	114.52 5.01 -53.24
WADING RIVER_IC_1 23522	97.14 5.90 -35.02	89.17 6.17 -26.90	78.65 6.46 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.90 8.30 -83.58	150.61 7.84 -76.28	146.25 6.50 -71.42	147.63 6.77 -71.80	149.22 6.13 -80.57	147.48 5.73 -82.07	149.16 5.58 -85.50	149.15 5.52 -86.10	147.62 5.38 -85.69	150.78 6.94 -75.09	154.65 7.30 -76.46	153.63 7.07 -79.16	152.45 7.07 -77.39	149.92 6.18 -83.23	147.50 5.49 -85.39	137.99 5.18 -76.42	109.00 5.17 -47.55
WADING RIVER_IC_2 23547	97.14 5.90 -35.02	89.17 6.17 -26.90	78.65 6.46 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.90 8.30 -83.58	150.61 7.84 -76.28	146.25 6.50 -71.42	147.63 6.77 -71.80	149.22 6.13 -80.57	147.48 5.73 -82.07	149.16 5.58 -85.50	149.15 5.52 -86.10	147.62 5.38 -85.69	150.78 6.94 -75.09	154.65 7.30 -76.46	153.63 7.07 -79.16	152.45 7.07 -77.39	149.92 6.18 -83.23	147.50 5.49 -85.39	137.99 5.18 -76.42	109.00 5.17 -47.55
WADING RIVER_IC_3 23601	97.14 5.90 -35.02	89.17 6.17 -26.90	78.65 6.46 -16.04	78.33 6.40 -15.77	89.10 6.18 -26.71	112.81 6.26 -50.16	148.71 7.71 -80.30	152.90 8.30 -83.58	150.61 7.84 -76.28	146.25 6.50 -71.42	147.63 6.77 -71.80	149.22 6.13 -80.57	147.48 5.73 -82.07	149.16 5.58 -85.50	149.15 5.52 -86.10	147.62 5.38 -85.69	150.78 6.94 -75.09	154.65 7.30 -76.46	153.63 7.07 -79.16	152.45 7.07 -77.39	149.92 6.18 -83.23	147.50 5.49 -85.39	137.99 5.18 -76.42	109.00 5.17 -47.55



WALDENNY_12_KV_BK2 80841	56.92 -3.71 -4.41	55.34 -3.93 -3.18	55.13 -3.59 -2.57	55.03 -3.65 -2.53	55.60 -3.43 -2.82	57.84 -3.27 -4.73	67.28 -2.00 -8.58	70.70 -3.17 -12.86	70.66 -4.26 -8.43	71.82 -4.17 -7.66	71.60 -4.28 -6.82	66.37 -3.81 -7.67	62.70 -4.42 -7.43	61.27 -4.30 -7.48	60.68 -4.26 -7.41	59.93 -4.30 -7.67	71.68 -3.99 -6.92	75.90 -4.18 -9.20	72.67 -3.84 -9.12	71.82 -4.08 -7.91	64.44 -3.99 -7.92	60.07 -4.13 -7.59	58.76 -4.51 -6.88	59.18 -4.05 -6.96
WALDEN___HYDRO 24148	87.58 4.22 -27.15	79.68 4.04 -19.56	76.02 4.04 -15.82	75.70 3.99 -15.56	77.56 3.99 -17.36	89.55 4.06 -29.11	118.72 5.22 -52.80	145.37 5.25 -79.11	124.14 5.78 -51.87	121.20 5.74 -47.13	116.80 5.80 -41.94	114.87 5.19 -47.16	110.14 4.72 -45.74	108.71 4.59 -46.05	107.67 4.54 -45.60	108.26 4.52 -47.17	116.76 5.43 -42.58	133.30 5.81 -56.61	129.16 5.66 -56.10	122.26 5.58 -48.70	114.16 4.90 -48.75	107.00 4.36 -46.02	102.18 4.06 -41.74	102.27 3.83 -42.18
WARRENSBURG___ 23737	94.77 3.43 -35.13	84.75 3.37 -25.30	79.99 3.37 -20.46	79.65 3.37 -20.13	82.16 3.49 -22.46	97.70 3.66 -37.65	133.50 4.49 -68.31	168.05 4.70 -102.33	138.90 5.32 -67.09	134.96 5.67 -60.96	129.04 5.73 -54.25	128.71 5.19 -61.01	123.75 4.90 -59.17	122.35 4.70 -59.57	121.06 4.54 -58.99	122.16 4.58 -61.02	129.53 5.70 -55.08	150.20 6.10 -73.22	145.69 5.73 -72.57	136.69 5.71 -62.99	128.53 4.96 -63.05	121.56 4.53 -60.41	115.40 4.23 -54.79	115.47 3.83 -55.37
WATERSIDE___6 8 9 23538	88.71 4.95 -27.55	80.70 4.77 -19.84	76.98 4.77 -16.05	76.66 4.72 -15.79	78.55 4.72 -17.62	90.70 4.79 -29.53	119.91 5.65 -53.56	147.19 5.92 -80.25	142.21 6.52 -69.20	150.15 6.63 -75.18	171.88 6.84 -95.98	172.55 6.19 -103.84	173.47 5.73 -108.05	173.82 5.52 -110.22	174.13 5.47 -111.14	174.01 5.37 -112.08	190.99 6.81 -115.43	193.17 7.09 -115.19	175.31 6.87 -101.04	197.95 6.80 -123.16	171.54 5.99 -105.04	193.23 5.44 -131.18	146.85 5.19 -85.28	120.42 4.95 -59.20
WATKINRD_115KV_LN8_ILLION 55919	58.29 2.08 0.00	58.11 2.02 0.00	58.18 2.02 0.00	58.18 2.02 0.00	58.24 2.02 0.00	58.47 2.09 0.00	63.25 2.55 0.00	63.52 2.50 0.00	69.28 2.79 0.00	71.20 2.87 0.00	71.82 2.76 0.00	65.21 2.69 0.00	62.13 2.45 0.00	60.46 2.38 0.00	59.83 2.30 0.00	58.82 2.26 0.00	71.57 2.82 0.00	73.79 2.91 0.00	70.16 2.76 0.00	70.64 2.65 0.00	62.81 2.30 0.00	58.71 2.09 0.00	58.41 2.03 0.00	58.19 1.91 0.00
WATSON___69_KV_BK 1 55734	97.81 6.58 -35.02	89.50 6.51 -26.90	78.71 6.51 -16.04	78.39 6.46 -15.77	89.44 6.52 -26.71	113.14 6.60 -50.16	148.83 7.83 -80.30	152.71 8.12 -83.58	151.48 8.71 -76.28	148.30 8.54 -71.42	149.56 8.70 -71.80	150.97 7.88 -80.57	149.03 7.28 -82.07	150.67 7.09 -85.50	150.70 7.08 -86.10	149.15 6.90 -85.69	152.63 8.80 -75.08	156.55 9.22 -76.45	155.44 8.90 -79.15	154.21 8.84 -77.38	151.48 7.75 -83.22	149.03 7.02 -85.39	139.52 6.71 -76.42	110.30 6.47 -47.55
WDELAWARE___HYD 323627	85.73 4.55 -24.97	78.39 4.32 -17.98	75.02 4.32 -14.54	74.73 4.27 -14.30	76.44 4.27 -15.96	87.66 4.51 -26.76	115.20 5.95 -48.55	139.73 5.98 -72.73	118.89 4.72 -47.69	116.24 4.58 -43.33	112.18 4.56 -38.56	109.94 4.06 -43.36	105.50 3.76 -42.05	103.96 3.54 -42.34	102.90 3.45 -41.93	103.38 3.45 -43.37	112.19 4.47 -38.97	127.66 4.96 -51.81	123.60 4.86 -51.35	117.25 4.69 -44.57	110.94 5.81 -44.62	104.52 5.15 -42.75	99.94 4.79 -38.77	99.96 4.50 -39.18
WEST BABYLON___IC 23714	97.59 6.35 -35.02	89.22 6.23 -26.90	78.43 6.23 -16.04	78.11 6.18 -15.77	89.16 6.24 -26.71	112.86 6.31 -50.16	148.53 7.53 -80.30	152.35 7.75 -83.58	151.15 8.38 -76.28	148.16 8.41 -71.42	149.36 8.49 -71.80	150.78 7.69 -80.57	148.91 7.16 -82.07	150.55 6.97 -85.50	150.53 6.90 -86.10	149.04 6.79 -85.69	152.42 8.59 -75.08	156.41 9.07 -76.45	155.24 8.69 -79.15	154.00 8.63 -77.38	151.29 7.56 -83.22	148.86 6.85 -85.39	139.40 6.60 -76.42	110.18 6.36 -47.55
WEST CANADA___HYD 24049	57.06 0.84 0.00	56.93 0.84 0.00	57.00 0.84 0.00	57.00 0.84 0.00	57.06 0.84 0.00	57.28 0.90 0.00	61.85 1.15 0.00	62.17 1.16 0.00	67.75 1.26 0.00	69.63 1.30 0.00	70.30 1.24 0.00	63.71 1.18 0.00	60.82 1.13 0.00	59.13 1.05 0.00	58.50 0.98 0.00	57.52 0.96 0.00	70.05 1.30 0.00	72.23 1.34 0.00	68.67 1.28 0.00	69.28 1.29 0.00	61.60 1.09 0.00	57.58 0.96 0.00	57.34 0.96 0.00	57.12 0.85 0.00
WESTERN_NY_WIND 24143	57.47 -2.59 -3.85	56.06 -2.80 -2.77	55.81 -2.58 -2.24	55.72 -2.64 -2.20	56.31 -2.36 -2.46	58.42 -2.09 -4.12	67.76 -0.42 -7.48	70.70 -1.53 -11.21	71.58 -2.26 -7.35	72.76 -2.26 -6.68	72.59 -2.42 -5.94	67.02 -2.19 -6.68	63.24 -2.92 -6.48	61.82 -2.79 -6.52	61.34 -2.65 -6.46	60.47 -2.77 -6.68	72.79 -1.99 -6.04	76.85 -2.06 -8.02	73.46 -1.89 -7.95	72.79 -2.11 -6.90	65.06 -2.36 -6.91	60.58 -2.66 -6.62	59.29 -3.10 -6.01	59.47 -2.87 -6.07
WESTOVER___LESR 323668	65.15 0.00 -8.94	62.42 -0.11 -6.44	61.36 0.00 -5.21	61.28 0.00 -5.12	61.98 0.06 -5.72	66.14 0.17 -9.58	79.12 1.03 -17.39	87.98 0.92 -26.05	84.30 0.73 -17.08	84.60 0.75 -15.52	83.56 0.69 -13.81	78.67 0.63 -15.53	75.04 0.30 -15.06	73.53 0.29 -15.16	72.83 0.29 -15.01	72.32 0.23 -15.53	83.57 0.82 -14.00	90.42 0.92 -18.61	86.79 0.94 -18.45	84.75 0.75 -16.01	77.08 0.54 -16.03	72.32 0.34 -15.36	70.31 0.00 -13.93	70.41 0.06 -14.08
WETHRSFD_WT_PWR 323626	58.37 -2.93 -5.08	56.61 -3.14 -3.66	56.31 -2.81 -2.96	56.21 -2.86 -2.91	56.82 -2.64 -3.25	59.75 -2.09 -5.45	69.31 -1.28 -9.88	73.63 -2.19 -14.81	73.14 -3.06 -9.71	74.15 -3.01 -8.82	73.67 -3.24 -7.85	68.41 -2.94 -8.83	65.38 -2.86 -8.56	63.50 -3.19 -8.62	62.67 -3.39 -8.54	61.88 -3.51 -8.83	73.55 -3.16 -7.97	78.22 -3.26 -10.59	75.00 -2.90 -10.49	73.97 -3.13 -9.11	66.42 -3.21 -9.12	62.01 -3.34 -8.74	60.70 -3.61 -7.92	60.96 -3.32 -8.01
WHAVSTOR_138KV_BK127 55557	86.59 3.77 -26.61	78.90 3.65 -19.17	75.31 3.65 -15.50	75.06 3.65 -15.25	76.83 3.60 -17.02	88.58 3.66 -28.53	117.01 4.55 -51.76	143.25 4.70 -77.54	122.68 4.99 -51.21	120.19 5.06 -46.80	117.01 5.11 -42.84	114.63 4.63 -47.48	110.14 4.24 -46.21	108.76 4.12 -46.56	107.76 4.08 -46.15	108.25 4.02 -47.68	117.19 5.09 -43.36	133.63 5.39 -57.35	129.03 5.19 -56.44	122.81 5.10 -49.72	114.02 4.48 -49.03	107.55 4.02 -46.92	102.72 3.83 -42.50	102.22 3.60 -42.34
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	86.59 3.77 -26.61	78.90 3.65 -19.17	75.31 3.65 -15.50	75.06 3.65 -15.25	76.83 3.60 -17.02	88.58 3.66 -28.53	117.01 4.55 -51.76	143.25 4.70 -77.54	122.68 4.99 -51.21	120.19 5.06 -46.80	117.01 5.11 -42.84	114.63 4.63 -47.48	110.14 4.24 -46.21	108.76 4.12 -46.56	107.76 4.08 -46.15	108.25 4.02 -47.68	117.19 5.09 -43.36	133.63 5.39 -57.35	129.03 5.19 -56.44	122.81 5.10 -49.72	114.02 4.48 -49.03	107.55 4.02 -46.92	102.72 3.83 -42.50	102.22 3.60 -42.34
WHITEHAL_115KV_TB1 80871	96.02 4.72 -35.09	85.96 4.60 -25.27	81.26 4.66 -20.44	80.92 4.66 -20.10	83.42 4.78 -22.43	98.96 4.96 -37.61	135.12 6.19 -68.23	169.71 6.47 -102.22	140.82 7.31 -67.02	136.95 7.72 -60.90	131.13 7.87 -54.19	130.59 7.13 -60.94	125.41 6.62 -59.10	123.97 6.39 -59.50	122.66 6.21 -58.92	123.79 6.28 -60.96	131.61 7.84 -55.03	152.33 8.29 -73.15	147.71 7.82 -72.50	138.74 7.82 -62.93	130.28 6.78 -63.00	123.14 6.17 -60.35	116.87 5.75 -54.73	116.87 5.29 -55.31



WHITEPLN_13_KV_LOAD 356215	88.34 4.67 -27.46	80.46 4.60 -19.77	76.64 4.49 -15.99	76.32 4.44 -15.73	78.21 4.44 -17.56	90.38 4.57 -29.43	119.68 5.58 -53.40	146.99 5.98 -80.00	126.10 6.58 -53.03	123.72 6.77 -48.62	121.09 6.91 -45.13	118.44 6.25 -49.66	113.84 5.73 -48.42	112.46 5.58 -48.80	111.39 5.47 -48.40	111.90 5.37 -49.96	121.16 6.81 -45.60	138.29 7.23 -60.18	133.28 6.87 -59.01	127.22 6.87 -52.36	117.76 5.99 -51.26	110.91 5.32 -48.98	105.80 5.07 -44.34	104.91 4.78 -43.85
WM_FLOYD_69_KV_BK2 356380	97.31 6.07 -35.02	89.17 6.17 -26.90	78.48 6.29 -16.04	78.22 6.29 -15.77	89.10 6.18 -26.71	112.75 6.20 -50.16	148.53 7.53 -80.30	152.59 7.99 -83.58	150.81 8.04 -76.28	147.00 7.24 -71.42	148.39 7.53 -71.80	149.90 6.81 -80.57	148.02 6.27 -82.07	149.74 6.16 -85.50	149.78 6.16 -86.10	148.24 6.00 -85.69	151.46 7.63 -75.08	155.27 7.94 -76.45	154.29 7.75 -79.15	153.12 7.75 -77.38	150.51 6.78 -83.22	148.07 6.06 -85.39	138.56 5.75 -76.42	109.51 5.68 -47.55
WOODARD__115KV_TB2 355635	57.67 -1.01 -2.47	56.80 -1.07 -1.78	56.59 -1.01 -1.44	56.51 -1.07 -1.42	56.84 -0.96 -1.58	58.13 -0.90 -2.65	65.14 -0.36 -4.81	67.91 -0.31 -7.20	70.74 -0.47 -4.72	72.21 -0.41 -4.29	72.46 -0.41 -3.82	66.44 -0.38 -4.29	63.25 -0.60 -4.16	61.69 -0.58 -4.19	61.10 -0.58 -4.15	60.23 -0.62 -4.29	72.23 -0.41 -3.89	75.70 -0.35 -5.17	72.19 -0.34 -5.13	71.96 -0.48 -4.45	64.48 -0.48 -4.45	60.26 -0.62 -4.27	59.41 -0.85 -3.87	59.28 -0.90 -3.91
YORK___WARBASSE 23770	88.99 5.23 -27.55	80.93 4.99 -19.84	77.21 5.00 -16.05	76.83 4.89 -15.79	78.72 4.89 -17.62	90.81 4.91 -29.53	119.91 5.65 -53.56	147.25 5.98 -80.25	142.34 6.65 -69.20	150.28 6.77 -75.18	172.29 7.25 -95.98	172.92 6.56 -103.84	173.82 6.09 -108.05	174.23 5.92 -110.22	174.47 5.81 -111.14	174.35 5.71 -112.08	191.40 7.22 -115.43	193.66 7.58 -115.19	175.78 7.35 -101.04	200.33 7.21 -125.14	171.96 6.41 -105.04	199.16 5.83 -136.72	147.19 5.53 -85.28	120.64 5.18 -59.20