

# Day Ahead Market Generator LBMP

--- LBMP \$		--- Marginal Cost of Losses																		--- Marginal Cost of Congestion					
Generator Data		01/21/2024																							
Name	PTID	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
		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		105.41	98.06	92.08	89.26	91.80	98.03	101.93	113.70	124.01	124.83	125.74	125.68	113.92	114.45	114.82	119.24	122.28	157.90	160.92	143.92	134.26	121.36	116.59	89.12
24138		6.02	5.63	5.30	5.24	5.37	5.48	5.71	5.48	5.79	6.12	5.83	5.77	5.77	5.69	5.69	5.69	6.12	6.72	6.63	6.41	6.20	5.93	5.75	5.66
		-40.39	-34.32	-30.33	-27.63	-29.99	-35.43	-36.72	-52.39	-60.34	-59.83	-62.76	-63.41	-51.66	-52.37	-52.75	-57.17	-57.34	-88.36	-92.40	-78.20	-69.54	-58.93	-54.46	-26.90
74TH STREET_GT_1		106.33	98.65	92.15	89.27	91.88	98.71	101.96	115.78	133.72	139.82	141.85	146.28	128.66	131.23	131.23	136.28	134.24	176.08	178.74	163.18	154.56	134.23	131.22	89.15
24260		6.02	5.64	5.36	5.24	5.42	5.54	5.71	5.42	5.79	6.06	5.83	5.76	5.76	5.69	5.64	5.69	6.12	6.72	6.68	6.41	6.26	5.93	5.81	5.66
		-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
74TH STREET_GT_2		106.33	98.65	92.15	89.27	91.88	98.71	101.96	115.78	133.72	139.82	141.85	146.28	128.66	131.23	131.23	136.28	134.24	176.08	178.74	163.18	154.56	134.23	131.22	89.15
24261		6.02	5.64	5.36	5.24	5.42	5.54	5.71	5.42	5.79	6.06	5.83	5.76	5.76	5.69	5.64	5.69	6.12	6.72	6.68	6.41	6.26	5.93	5.81	5.66
		-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
ADK HUDSON___FALLS		113.13	104.88	99.24	95.80	98.90	105.45	111.06	122.47	119.14	107.26	107.64	98.18	95.49	91.89	93.09	97.88	111.12	141.68	143.27	122.24	108.35	108.42	98.69	95.06
24011		4.72	4.36	4.23	4.29	4.35	4.57	4.94	4.47	4.86	4.77	4.46	4.24	4.18	4.06	4.12	4.51	5.18	5.72	5.69	5.22	5.09	4.75	4.51	4.36
		-49.40	-42.42	-38.56	-35.13	-38.11	-43.76	-46.63	-62.16	-56.40	-43.61	-46.04	-37.44	-34.81	-31.44	-32.59	-36.99	-47.12	-73.14	-75.69	-57.70	-44.74	-47.17	-37.80	-34.14
ADK RESOURCE___RCVRY		113.57	105.26	99.60	96.16	99.32	105.87	111.51	122.90	119.64	107.76	108.06	98.54	95.91	92.19	93.44	98.30	111.57	142.23	143.88	122.75	108.85	108.84	99.05	95.36
23798		5.13	4.70	4.57	4.62	4.74	4.97	5.36	4.86	5.32	5.24	4.85	4.57	4.57	4.34	4.45	4.90	5.59	6.22	6.25	5.69	5.56	5.14	4.85	4.64
		-49.43	-42.45	-38.59	-35.15	-38.14	-43.79	-46.66	-62.20	-56.44	-43.64	-46.07	-37.47	-34.83	-31.46	-32.61	-37.01	-47.15	-73.19	-75.73	-57.74	-44.77	-47.20	-37.82	-34.16
ADK S GLENS___FALLS		115.01	104.88	99.24	95.80	98.90	105.45	111.06	123.14	127.24	117.20	121.83	113.57	107.55	104.78	106.05	112.60	126.74	175.38	177.99	151.04	131.97	123.32	112.09	95.06
24028		4.72	4.36	4.23	4.29	4.35	4.57	4.94	4.47	4.86	4.77	4.46	4.24	4.18	4.06	4.12	4.51	5.18	5.72	5.69	5.22	5.09	4.75	4.51	4.36
		-51.29	-42.42	-38.56	-35.13	-38.11	-43.76	-46.63	-62.83	-64.50	-53.55	-60.23	-52.83	-46.87	-44.34	-45.56	-51.70	-62.74	-106.84	-110.40	-86.50	-68.36	-62.08	-51.20	-34.14
ADK_NYS___DAM		110.08	102.32	96.89	93.56	96.46	102.57	107.92	119.19	116.00	104.58	105.20	96.15	93.67	90.29	91.39	95.70	108.16	137.57	139.04	118.91	105.47	105.61	96.43	92.91
23527		3.30	3.19	3.16	3.21	3.16	3.14	3.33	3.24	3.59	3.53	3.54	3.45	3.50	3.50	3.50	3.55	3.77	4.02	3.96	3.80	3.69	3.50	3.50	3.34
		-47.77	-41.02	-37.29	-33.97	-36.85	-42.31	-45.09	-60.11	-54.54	-42.17	-44.51	-36.21	-33.66	-30.40	-31.51	-35.77	-45.56	-70.73	-73.18	-55.80	-43.26	-45.61	-36.55	-33.01
AIR_PRODUCTS___DRP		109.09	101.74	96.26	92.87	95.83	102.06	107.33	118.02	114.60	103.47	103.95	95.07	92.46	89.13	90.18	94.23	106.16	135.44	136.96	116.87	103.48	103.82	94.84	91.65
24190		2.18	2.50	2.43	2.42	2.43	2.51	2.62	1.90	2.03	2.30	2.17	2.26	2.20	2.26	2.20	1.97	1.65	1.70	1.67	1.60	1.58	1.58	1.80	1.98
		-47.90	-41.14	-37.39	-34.07	-36.96	-42.43	-45.22	-60.28	-54.69	-42.29	-44.64	-36.31	-33.76	-30.49	-31.60	-35.87	-45.69	-70.93	-73.39	-55.96	-43.38	-45.74	-36.65	-33.11
AKWESSNE_115KV_BK		57.41	56.94	55.37	55.37	55.32	55.86	57.89	54.78	56.72	57.41	55.94	55.26	55.31	55.26	55.31	55.26	57.35	60.87	59.91	57.53	57.05	55.20	55.26	55.26
355683		-1.59	-1.16	-1.07	-1.01	-1.13	-1.26	-1.61	-1.06	-1.16	-1.47	-1.20	-1.24	-1.19	-1.13	-1.07	-1.13	-1.47	-1.95	-1.98	-1.78	-1.46	-1.30	-1.13	-1.30
		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		109.16	101.74	96.32	92.99	95.90	102.03	107.28	117.78	114.56	103.46	103.82	94.98	92.48	89.10	90.24	94.42	106.45	135.37	136.88	116.96	103.80	104.00	95.02	91.85
323833		3.18	3.31	3.22	3.21	3.22	3.31	3.45	2.85	3.07	3.12	2.91	2.88	2.88	2.82	2.87	2.87	2.82	3.02	3.03	2.79	2.75	2.66	2.71	2.83
		-46.97	-40.33	-36.66	-33.40	-36.24	-41.60	-44.33	-59.10	-53.62	-41.46	-43.77	-35.60	-33.10	-29.89	-30.98	-35.17	-44.80	-69.54	-71.96	-54.86	-42.53	-44.84	-35.93	-32.46
ALBANY_2_SOLAR		109.16	101.69	96.33	92.94	95.90	102.04	107.28	117.79	114.51	103.47	103.83	94.98	92.48	89.10	90.24	94.43	106.45	135.38	136.83	116.97	103.81	104.01	95.03	91.85
323834		3.18	3.25	3.22	3.16	3.22	3.31	3.45	2.85	3.01	3.12	2.91	2.88	2.88	2.82	2.87	2.87	2.82	3.02	2.97	2.79	2.75	2.66	2.71	2.83
		-46.97	-40.34	-36.67	-33.40	-36.24	-41.61	-44.34	-59.10	-53.63	-41.47	-43.77	-35.60	-33.10	-29.90	-30.98	-35.17	-44.80	-69.55	-71.96	-54.87	-42.54	-44.85	-35.94	-32.46
ALBANY___1		109.09	101.74	96.26	92.87	95.83	102.06	107.33	118.02	114.60	103.47	103.95	95.07	92.46	89.13	90.18	94.23	106.16	135.44	136.96	116.87	103.48	103.82	94.84	91.65
23571		2.18	2.50	2.43	2.42	2.43	2.51	2.62	1.90	2.03	2.30	2.17	2.26	2.20	2.26	2.20	1.97	1.65	1.70	1.67	1.60	1.58	1.58	1.80	1.98
		-47.90	-41.14	-37.39	-34.07	-36.96	-42.43	-45.22	-60.28	-54.69	-42.29	-44.64	-36.31	-33.76	-30.49	-31.60	-35.87	-45.69	-70.93	-73.39	-55.96	-43.38	-45.74	-36.65	-33.11

ALBANY___2 23572	109.09 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.06 2.51 -42.43	107.33 2.62 -45.22	118.02 1.90 -60.28	114.60 2.03 -54.69	103.47 2.30 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.23 1.97 -35.87	106.16 1.65 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
ALBANY___3 23573	109.09 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.06 2.51 -42.43	107.33 2.62 -45.22	118.02 1.90 -60.28	114.60 2.03 -54.69	103.47 2.30 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.23 1.97 -35.87	106.16 1.65 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
ALBANY___4 23574	109.09 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.06 2.51 -42.43	107.33 2.62 -45.22	118.02 1.90 -60.28	114.60 2.03 -54.69	103.47 2.30 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.23 1.97 -35.87	106.16 1.65 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
ALBANY___LFGE 323615	110.05 2.72 -48.32	102.50 2.90 -41.50	97.04 2.88 -37.72	93.56 2.82 -34.36	96.60 2.88 -37.28	102.89 2.97 -42.80	108.20 3.09 -45.61	119.04 2.40 -60.80	115.65 2.61 -55.17	104.31 2.77 -42.66	104.86 2.69 -45.03	95.84 2.71 -36.63	93.21 2.66 -34.05	89.85 2.71 -30.76	90.96 2.71 -31.87	95.04 2.48 -36.18	107.27 2.36 -46.09	136.81 2.45 -71.54	138.34 2.41 -74.03	118.01 2.25 -56.44	104.56 2.28 -43.76	104.84 2.20 -46.14	95.72 2.37 -36.97	92.44 2.49 -33.40
ALCOA_PA_115KV_PL-6C 55860	57.30 -1.71 0.00	57.11 -0.99 0.00	55.60 -0.85 0.00	55.54 -0.85 0.00	55.54 -0.90 0.00	55.98 -1.14 0.00	57.83 -1.67 0.00	54.95 -0.89 0.00	56.89 -0.98 0.00	57.35 -1.53 0.00	56.06 -1.09 0.00	55.43 -1.07 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.42 -0.96 0.00	55.37 -1.01 0.00	57.24 -1.59 0.00	60.37 -2.45 0.00	59.48 -2.41 0.00	57.36 -1.96 0.00	57.17 -1.35 0.00	55.37 -1.13 0.00	55.42 -0.96 0.00	55.43 -1.13 0.00
ALCOA_RYNLDS___DRP 24188	57.30 -1.71 0.00	57.11 -0.99 0.00	55.60 -0.85 0.00	55.54 -0.85 0.00	55.54 -0.90 0.00	55.98 -1.14 0.00	57.83 -1.67 0.00	54.95 -0.89 0.00	56.89 -0.98 0.00	57.35 -1.53 0.00	56.06 -1.09 0.00	55.43 -1.07 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.42 -0.96 0.00	55.37 -1.01 0.00	57.24 -1.59 0.00	60.37 -2.45 0.00	59.48 -2.41 0.00	57.36 -1.96 0.00	57.17 -1.35 0.00	55.37 -1.13 0.00	55.42 -0.96 0.00	55.43 -1.13 0.00
ALCOA___DSASP 323711	57.29 -1.71 0.00	57.11 -0.99 0.00	55.60 -0.85 0.00	55.54 -0.84 0.00	55.54 -0.91 0.00	55.98 -1.14 0.00	57.83 -1.67 0.00	54.94 -0.90 0.00	56.89 -0.98 0.00	57.29 -1.59 0.00	56.05 -1.09 0.00	55.42 -1.08 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	57.24 -1.59 0.00	60.37 -2.45 0.00	59.48 -2.41 0.00	57.36 -1.96 0.00	57.17 -1.34 0.00	55.37 -1.13 0.00	55.42 -0.96 0.00	55.43 -1.13 0.00
ALLEGHENY___COGEN 23514	67.40 1.71 -6.69	64.83 0.99 -5.74	62.62 0.96 -5.22	61.93 0.79 -4.75	62.39 0.79 -5.16	64.24 1.20 -5.92	67.35 1.54 -6.31	64.98 0.72 -8.41	65.69 0.17 -7.63	65.20 0.42 -5.90	62.98 -0.40 -6.23	61.23 -0.34 -5.07	60.82 -0.39 -4.71	59.90 -0.73 -4.26	60.12 -0.67 -4.41	61.05 -0.34 -5.01	65.67 0.47 -6.38	74.10 1.38 -9.90	73.74 1.61 -10.24	68.43 1.30 -7.81	65.39 0.82 -6.05	63.28 0.40 -6.38	61.61 0.11 -5.12	62.14 0.96 -4.62
ALTAMONT_115KV_TB 2 55880	109.38 2.48 -47.89	101.67 2.44 -41.13	96.20 2.37 -37.39	92.81 2.37 -34.06	95.77 2.37 -36.95	102.00 2.46 -42.42	107.26 2.56 -45.21	118.34 2.23 -60.26	114.93 2.37 -54.68	103.63 2.47 -42.28	104.17 2.40 -44.63	95.17 2.37 -36.30	92.62 2.37 -33.75	89.18 2.31 -30.48	90.29 2.31 -31.59	94.56 2.31 -35.86	106.92 2.41 -45.68	136.30 2.58 -70.91	137.81 2.54 -73.38	117.69 2.43 -55.94	104.29 2.40 -43.37	104.49 2.26 -45.73	95.34 2.31 -36.64	91.98 2.32 -33.10
ALTONA_WT_PWR 323606	58.36 -0.65 0.00	57.87 -0.23 0.00	56.11 -0.34 0.00	55.87 -0.51 0.00	55.77 -0.67 0.00	56.26 -0.86 0.00	57.71 -1.78 0.00	54.56 -1.28 0.00	56.60 -1.27 0.00	57.29 -1.59 0.00	55.83 -1.31 0.00	55.20 -1.30 0.00	55.20 -1.30 0.00	54.80 -1.58 0.00	54.92 -1.47 0.00	55.26 -1.13 0.00	57.71 -1.12 0.00	61.18 -1.63 0.00	60.10 -1.80 0.00	57.48 -1.84 0.00	57.06 -1.46 0.00	55.14 -1.36 0.00	55.03 -1.35 0.00	55.60 -0.96 0.00
AMERICAN_REF_FUEL 24010	60.08 -4.78 -5.85	57.72 -5.40 -5.02	55.88 -5.14 -4.57	55.13 -5.41 -4.16	55.88 -5.08 -4.51	57.39 -4.91 -5.18	59.60 -5.41 -5.52	56.73 -6.48 -7.36	57.21 -7.35 -6.68	57.16 -6.89 -5.17	55.56 -7.03 -5.45	54.10 -6.84 -4.43	53.78 -6.84 -4.12	53.00 -7.11 -3.72	53.19 -7.05 -3.86	53.60 -7.16 -4.38	57.23 -7.18 -5.58	64.19 -7.29 -8.66	63.80 -7.06 -8.96	59.21 -6.94 -6.83	56.62 -7.20 -5.30	55.02 -7.06 -5.59	53.98 -6.88 -4.48	55.35 -5.26 -4.04
ARKWRIGHT___SUMMIT_WT_PWR 323751	62.64 -3.01 -6.64	59.96 -3.84 -5.70	58.07 -3.55 -5.18	57.38 -3.72 -4.72	58.23 -3.33 -5.12	59.80 -3.20 -5.88	62.54 -3.21 -6.26	60.00 -4.19 -8.35	60.53 -4.92 -7.58	60.32 -4.42 -5.86	58.81 -4.52 -6.18	57.29 -4.24 -5.03	57.05 -4.12 -4.68	56.09 -4.51 -4.22	56.25 -4.51 -4.38	56.73 -4.62 -4.97	60.63 -4.53 -6.33	68.31 -4.33 -9.82	67.97 -4.09 -10.17	62.79 -4.27 -7.75	59.96 -4.56 -6.01	58.15 -4.69 -6.34	56.61 -4.85 -5.08	57.69 -3.45 -4.59
ARTHUR KILL_GT_1 23520	105.92 5.61 -41.30	98.19 5.17 -34.92	92.15 5.37 -30.34	89.15 5.13 -27.64	91.82 5.37 -30.01	98.20 5.03 -36.05	101.43 5.17 -36.76	115.28 4.92 -54.53	133.20 5.27 -70.05	139.29 5.53 -74.88	141.28 5.25 -78.88	145.72 5.19 -84.02	128.20 5.31 -66.40	130.78 5.24 -69.15	130.77 5.18 -69.20	135.83 5.24 -74.21	133.94 5.82 -69.29	175.83 6.47 -106.54	178.55 6.50 -110.16	163.00 6.23 -97.46	154.33 6.03 -89.78	134.00 5.70 -71.80	130.88 5.47 -69.03	88.76 5.26 -26.94
ARTHUR_KILL_2 23512	105.73 5.43 -41.30	98.02 5.00 -34.92	91.92 5.14 -30.34	88.99 4.96 -27.64	91.65 5.19 -30.01	98.03 4.85 -36.05	101.25 5.00 -36.76	115.11 4.74 -54.53	133.03 5.09 -70.05	139.12 5.36 -74.88	141.11 5.08 -78.88	145.55 5.03 -84.02	128.04 5.14 -66.40	130.61 5.08 -69.15	130.60 5.02 -69.20	135.67 5.08 -74.21	133.71 5.59 -69.29	175.63 6.28 -106.54	178.30 6.25 -110.16	162.76 5.99 -97.46	154.10 5.79 -89.78	133.77 5.48 -71.80	130.66 5.24 -69.03	88.59 5.09 -26.94
ARTHUR_KILL_3 23513	101.61 5.37 -37.23	97.79 5.05 -34.64	91.46 4.68 -30.33	88.64 4.62 -27.63	91.19 4.74 -30.00	97.79 4.91 -35.76	101.29 5.05 -36.74	112.86 4.80 -52.22	112.86 5.15 -49.83	112.86 5.41 -48.56	106.14 5.14 -43.85	106.21 5.14 -44.57	97.79 5.14 -36.15	97.79 5.08 -36.33	97.79 5.02 -36.39	99.15 5.02 -37.75	97.79 5.47 -33.49	101.70 5.97 -32.91	102.61 5.94 -34.77	97.79 5.69 -32.78	98.70 5.56 -34.62	98.70 5.26 -36.95	97.79 5.13 -36.28	88.57 5.09 -26.92

ARTHUR_KILL_COGEN 323718	105.92 5.61 -41.30	98.19 5.17 -34.92	92.15 5.37 -30.34	89.15 5.13 -27.64	91.82 5.37 -30.01	98.20 5.03 -36.05	101.43 5.17 -36.76	115.28 4.92 -54.53	133.20 5.27 -70.05	139.29 5.53 -74.88	141.28 5.25 -78.88	145.72 5.19 -84.02	128.20 5.31 -66.40	130.78 5.24 -69.15	130.77 5.18 -69.20	135.83 5.24 -74.21	133.94 5.82 -69.29	175.83 6.47 -106.54	178.55 6.50 -110.16	163.00 6.23 -97.46	154.33 6.03 -89.78	134.00 5.70 -71.80	130.88 5.47 -69.03	88.76 5.26 -26.94
ASHOKAN____ 23654	104.55 2.42 -43.13	97.63 2.50 -37.03	92.42 2.32 -33.66	89.19 2.14 -30.67	91.81 2.09 -33.27	97.54 2.23 -38.20	102.70 2.50 -40.71	112.23 2.12 -54.27	109.78 2.66 -49.24	99.66 2.71 -38.07	99.50 2.17 -40.19	91.16 1.98 -32.69	88.75 1.86 -30.39	85.52 1.69 -27.45	86.52 1.69 -28.45	90.59 1.92 -32.29	102.32 2.36 -41.14	129.50 2.83 -63.85	130.82 2.85 -66.07	112.36 2.67 -50.38	99.97 2.40 -39.06	99.82 2.15 -41.18	91.41 2.03 -33.00	88.23 1.86 -29.81
ASTORIA_EAST_ENERGY_CC1 323581	106.20 5.90 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.33	89.09 5.08 -27.63	91.76 5.30 -30.01	98.53 5.37 -36.05	101.78 5.53 -36.75	115.67 5.31 -54.52	133.60 5.68 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	145.99 5.48 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.32 6.03 -89.78	134.05 5.77 -71.79	131.05 5.64 -69.03	89.04 5.55 -26.93
ASTORIA_EAST_ENERGY_CC2 323582	106.20 5.90 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.33	89.09 5.08 -27.63	91.82 5.37 -30.01	98.53 5.37 -36.05	101.84 5.59 -36.75	115.67 5.31 -54.52	133.60 5.68 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.32 6.03 -89.78	134.05 5.77 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT2_1 24094	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT2_2 24095	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT2_3 24096	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT2_4 24097	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT3_1 24098	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT3_2 24099	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT3_3 24100	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT3_4 24101	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT4_1 24102	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT4_2 24103	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT4_3 24104	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93

ASTORIA_GT4_4 24105	106.26 5.96 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.34	89.10 5.07 -27.64	91.81 5.36 -30.01	98.54 5.37 -36.05	101.84 5.59 -36.75	115.66 5.30 -54.52	133.60 5.67 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.05 5.47 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA_GT_1 23523	106.32 6.02 -41.29	98.65 5.63 -34.91	92.14 5.37 -30.33	89.20 5.18 -27.63	91.87 5.42 -30.01	98.65 5.48 -36.05	101.90 5.66 -36.75	115.77 5.41 -54.52	133.71 5.79 -70.05	139.76 6.01 -74.87	141.73 5.71 -78.87	146.16 5.65 -84.01	121.63 5.70 -59.42	131.16 5.64 -69.14	131.16 5.58 -69.20	136.17 5.58 -74.20	134.23 6.12 -69.29	167.41 6.66 -97.94	170.27 6.63 -101.75	163.11 6.35 -97.45	154.49 6.20 -89.78	134.22 5.93 -71.79	131.16 5.75 -69.03	89.20 5.71 -26.93
ASTORIA_GT_10 24110	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	88.98 5.49 -26.94
ASTORIA_GT_11 24225	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	88.98 5.49 -26.94
ASTORIA_GT_12 24226	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	88.98 5.49 -26.94
ASTORIA_GT_13 24227	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	88.98 5.49 -26.94
ASTORIA_GT_5 24106	106.32 6.02 -41.29	98.65 5.64 -34.91	92.15 5.36 -30.34	89.21 5.19 -27.64	91.87 5.42 -30.01	98.65 5.48 -36.05	101.90 5.65 -36.75	115.77 5.42 -54.52	133.71 5.79 -70.05	139.76 6.01 -74.87	141.73 5.71 -78.87	146.16 5.65 -84.01	121.63 5.71 -59.42	131.16 5.64 -69.14	131.16 5.58 -69.20	136.16 5.58 -74.20	134.23 6.12 -69.29	167.41 6.66 -97.94	170.27 6.62 -101.75	163.11 6.35 -97.45	154.50 6.20 -89.78	134.22 5.93 -71.79	131.16 5.75 -69.03	89.20 5.71 -26.93
ASTORIA_GT_7 24107	106.32 6.02 -41.29	98.65 5.64 -34.91	92.15 5.36 -30.34	89.21 5.19 -27.64	91.87 5.42 -30.01	98.65 5.48 -36.05	101.90 5.65 -36.75	115.77 5.42 -54.52	133.71 5.79 -70.05	139.76 6.01 -74.87	141.73 5.71 -78.87	146.16 5.65 -84.01	121.63 5.71 -59.42	131.16 5.64 -69.14	131.16 5.58 -69.20	136.16 5.58 -74.20	134.23 6.12 -69.29	167.41 6.66 -97.94	170.27 6.62 -101.75	163.11 6.35 -97.45	154.50 6.20 -89.78	134.22 5.93 -71.79	131.16 5.75 -69.03	89.20 5.71 -26.93
ASTORIA_GT_8 24108	106.32 6.02 -41.29	98.65 5.64 -34.91	92.15 5.36 -30.34	89.21 5.19 -27.64	91.87 5.42 -30.01	98.65 5.48 -36.05	101.90 5.65 -36.75	115.77 5.42 -54.52	133.71 5.79 -70.05	139.76 6.01 -74.87	141.73 5.71 -78.87	146.16 5.65 -84.01	121.63 5.71 -59.42	131.16 5.64 -69.14	131.16 5.58 -69.20	136.16 5.58 -74.20	134.23 6.12 -69.29	167.41 6.66 -97.94	170.27 6.62 -101.75	163.11 6.35 -97.45	154.50 6.20 -89.78	134.22 5.93 -71.79	131.16 5.75 -69.03	89.20 5.71 -26.93
ASTORIA___2 24149	106.20 5.90 -41.29	98.53 5.52 -34.91	92.03 5.25 -30.33	89.09 5.08 -27.63	91.82 5.37 -30.01	98.53 5.37 -36.05	101.84 5.59 -36.75	115.67 5.31 -54.52	133.60 5.68 -70.05	139.64 5.89 -74.87	141.62 5.60 -78.87	146.05 5.54 -84.01	121.52 5.59 -59.42	131.05 5.53 -69.14	131.11 5.53 -69.20	136.05 5.47 -74.20	134.11 6.00 -69.29	167.29 6.53 -97.94	170.14 6.50 -101.75	162.99 6.23 -97.45	154.38 6.09 -89.78	134.11 5.82 -71.79	131.05 5.64 -69.03	89.09 5.60 -26.93
ASTORIA___3 23516	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.72 5.47 -36.76	115.61 5.25 -54.53	133.55 5.61 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.44 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.83 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.70 -71.80	131.00 5.58 -69.03	88.98 5.48 -26.94
ASTORIA___4 23517	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	88.98 5.49 -26.94
ASTORIA___5 23518	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.72 5.47 -36.76	115.61 5.25 -54.53	133.55 5.61 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.44 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.83 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.70 -71.80	131.00 5.58 -69.03	88.98 5.48 -26.94
AST_ENERGY_2_CC3 323677	105.60 5.72 -40.87	98.08 5.34 -34.64	91.75 4.97 -30.33	88.92 4.90 -27.64	91.47 5.02 -30.00	98.07 5.20 -35.76	101.59 5.36 -36.74	114.48 5.13 -53.51	128.82 5.50 -65.44	132.38 5.77 -67.73	133.85 5.49 -71.23	136.16 5.42 -74.23	121.38 5.48 -59.40	122.92 5.36 -61.18	123.13 5.36 -61.39	127.86 5.36 -66.11	128.21 5.77 -63.61	167.00 6.28 -97.90	169.87 6.25 -101.73	153.61 5.99 -88.31	144.54 5.85 -80.17	127.72 5.54 -65.68	123.91 5.41 -62.11	88.79 5.32 -26.92
AST_ENERGY_2_CC4 323678	105.60 5.72 -40.87	98.08 5.34 -34.64	91.75 4.97 -30.33	88.92 4.90 -27.64	91.47 5.02 -30.00	98.07 5.20 -35.76	101.59 5.36 -36.74	114.48 5.13 -53.51	128.82 5.50 -65.44	132.38 5.77 -67.73	133.85 5.49 -71.23	136.16 5.42 -74.23	121.38 5.48 -59.40	122.92 5.36 -61.18	123.13 5.36 -61.39	127.86 5.36 -66.11	128.21 5.77 -63.61	167.00 6.28 -97.90	169.87 6.25 -101.73	153.61 5.99 -88.31	144.54 5.85 -80.17	127.72 5.54 -65.68	123.91 5.41 -62.11	88.79 5.32 -26.92

ATHENS_STG_1 23668	105.20 3.13 -43.07	98.04 2.96 -36.98	92.94 2.88 -33.62	89.83 2.82 -30.62	92.55 2.88 -33.22	98.18 2.91 -38.14	103.18 3.03 -40.65	112.87 2.85 -54.19	110.11 3.07 -49.17	100.08 3.18 -38.02	100.30 3.03 -40.13	92.13 2.99 -32.64	89.84 2.99 -30.35	86.78 2.99 -27.41	87.72 2.93 -28.41	91.61 2.99 -32.25	103.08 3.17 -41.08	130.09 3.52 -63.76	131.34 3.46 -65.98	112.94 3.32 -50.30	100.73 3.22 -39.00	100.67 3.05 -41.12	92.32 2.99 -32.95	89.26 2.94 -29.76
ATHENS_STG_2 23670	105.20 3.13 -43.07	98.04 2.96 -36.98	92.94 2.88 -33.62	89.83 2.82 -30.62	92.55 2.88 -33.22	98.18 2.91 -38.14	103.18 3.03 -40.65	112.87 2.85 -54.19	110.11 3.07 -49.17	100.08 3.18 -38.02	100.30 3.03 -40.13	92.13 2.99 -32.64	89.84 2.99 -30.35	86.78 2.99 -27.41	87.72 2.93 -28.41	91.61 2.99 -32.25	103.08 3.17 -41.08	130.09 3.52 -63.76	131.34 3.46 -65.98	112.94 3.32 -50.30	100.73 3.22 -39.00	100.67 3.05 -41.12	92.32 2.99 -32.95	89.26 2.94 -29.76
ATHENS_STG_3 23677	105.20 3.13 -43.07	98.04 2.96 -36.98	92.94 2.88 -33.62	89.83 2.82 -30.62	92.55 2.88 -33.22	98.18 2.91 -38.14	103.18 3.03 -40.65	112.87 2.85 -54.19	110.11 3.07 -49.17	100.08 3.18 -38.02	100.30 3.03 -40.13	92.13 2.99 -32.64	89.84 2.99 -30.35	86.78 2.99 -27.41	87.72 2.93 -28.41	91.61 2.99 -32.25	103.08 3.17 -41.08	130.09 3.52 -63.76	131.34 3.46 -65.98	112.94 3.32 -50.30	100.73 3.22 -39.00	100.67 3.05 -41.12	92.32 2.99 -32.95	89.26 2.94 -29.76
AUBURN___LFGE 323710	64.44 0.47 -4.96	62.59 0.23 -4.26	60.49 0.17 -3.87	60.02 0.11 -3.53	60.44 0.17 -3.83	61.80 0.29 -4.39	64.71 0.54 -4.68	62.36 0.28 -6.24	63.83 0.29 -5.66	63.67 0.41 -4.38	62.05 0.29 -4.62	60.60 0.34 -3.76	60.22 0.23 -3.50	59.71 0.17 -3.16	59.71 0.06 -3.27	60.32 0.23 -3.71	64.09 0.53 -4.73	71.04 0.88 -7.35	70.36 0.87 -7.60	65.82 0.71 -5.80	63.54 0.53 -4.49	61.52 0.28 -4.74	60.18 0.00 -3.80	60.27 0.28 -3.43
BABYLON_RES_REC 323704	125.39 6.90 -59.48	112.35 6.45 -47.80	104.64 6.15 -42.04	100.20 6.04 -37.78	106.93 6.21 -44.28	112.39 6.34 -48.93	109.78 6.49 -43.80	119.02 6.14 -57.04	122.31 6.54 -57.89	112.77 6.83 -47.06	112.71 6.57 -49.00	108.52 6.44 -45.58	104.77 6.44 -41.83	103.79 6.37 -41.04	112.10 6.37 -49.35	115.61 6.54 -52.69	146.18 7.06 -80.30	156.67 7.79 -86.06	157.97 7.74 -88.34	152.73 7.35 -86.06	149.84 7.20 -84.13	125.23 6.83 -61.90	114.59 6.59 -51.61	109.77 6.50 -46.71
BABYLON__69_KV_BK2 356345	126.10 7.61 -59.48	113.05 7.15 -47.80	105.26 6.77 -42.04	100.87 6.71 -37.78	107.55 6.83 -44.28	113.02 6.97 -48.93	110.43 7.14 -43.80	119.63 6.76 -57.04	122.89 7.12 -57.89	113.36 7.42 -47.06	113.34 7.20 -49.00	109.14 7.06 -45.58	105.39 7.06 -41.83	104.47 7.05 -41.04	112.72 6.99 -49.35	116.29 7.22 -52.69	146.94 7.82 -80.30	157.55 8.67 -86.06	158.77 8.54 -88.34	153.56 8.19 -86.06	150.61 7.96 -84.13	125.85 7.46 -61.90	115.21 7.22 -51.61	110.45 7.18 -46.71
BALL_HILL_WT_PWR 323825	62.35 -3.13 -6.47	59.82 -3.84 -5.55	57.88 -3.61 -5.05	57.09 -3.89 -4.60	57.99 -3.44 -4.99	59.53 -3.31 -5.73	62.09 -3.51 -6.10	59.57 -4.41 -8.14	60.11 -5.15 -7.38	59.88 -4.71 -5.71	58.31 -4.86 -6.03	56.71 -4.69 -4.90	56.43 -4.63 -4.56	55.54 -4.96 -4.12	55.69 -4.96 -4.27	56.21 -5.02 -4.84	60.11 -4.88 -6.17	67.68 -4.71 -9.58	67.22 -4.58 -9.91	62.24 -4.63 -7.55	59.52 -4.86 -5.86	57.82 -4.86 -6.18	56.48 -4.85 -4.95	57.58 -3.45 -4.47
BARON_WINDS___WT_PWR 323822	66.34 -1.30 -8.63	63.71 -1.80 -7.41	61.54 -1.64 -6.74	60.66 -1.86 -6.14	61.58 -1.52 -6.66	63.45 -1.31 -7.65	66.28 -1.37 -8.15	64.80 -1.90 -10.86	65.36 -2.38 -9.85	64.38 -2.12 -7.62	62.84 -2.35 -8.04	60.84 -2.20 -6.54	60.44 -2.15 -6.08	59.51 -2.37 -5.49	59.82 -2.26 -5.69	60.70 -2.14 -6.46	65.29 -1.76 -8.23	74.15 -1.44 -12.78	73.76 -1.36 -13.22	67.85 -1.54 -10.08	64.58 -1.75 -7.82	62.82 -1.92 -8.24	60.90 -2.09 -6.60	61.28 -1.24 -5.97
BARRETT_IC_1 23704	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_10 23701	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_11 23702	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_12 23703	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_2 23705	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_3 23706	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_4 23707	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71

BARRETT_IC_5 23708	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_6 23709	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_7 23710	124.62 6.14 -59.48	111.71 5.81 -47.80	104.07 5.59 -42.04	99.63 5.47 -37.78	106.37 5.64 -44.28	111.71 5.65 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.67 5.90 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.21 5.88 -41.83	103.29 5.86 -41.04	111.48 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.78 -86.06	156.92 6.68 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.86 5.86 -51.61	109.10 5.83 -46.71
BARRETT_IC_8 23711	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT_IC_9 23700	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT___1 23545	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BARRETT___2 23546	124.62 6.14 -59.48	111.71 5.81 -47.80	104.08 5.59 -42.05	99.64 5.47 -37.79	106.38 5.64 -44.29	111.71 5.66 -48.93	109.18 5.89 -43.80	118.46 5.58 -57.04	121.68 5.91 -57.89	112.18 6.24 -47.06	112.03 5.89 -49.00	108.01 5.93 -45.58	104.26 5.93 -41.83	103.29 5.86 -41.04	111.49 5.75 -49.35	114.82 5.75 -52.69	145.24 6.12 -80.30	155.66 6.79 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.92 5.92 -51.61	109.10 5.83 -46.71
BATAVIA___115KV_TB1 55881	62.31 -2.12 -5.43	59.92 -2.85 -4.66	57.97 -2.71 -4.24	57.31 -2.93 -3.86	57.81 -2.82 -4.19	59.41 -2.51 -4.81	61.94 -2.68 -5.12	58.93 -3.74 -6.83	59.68 -4.40 -6.20	59.73 -3.95 -4.79	57.97 -4.23 -5.06	56.55 -4.07 -4.11	56.14 -4.18 -3.82	55.44 -4.40 -3.45	55.45 -4.51 -3.58	55.94 -4.51 -4.06	59.77 -4.24 -5.18	66.90 -3.96 -8.04	66.50 -3.71 -8.32	61.86 -3.80 -6.34	59.28 -4.15 -4.92	57.44 -4.24 -5.18	56.30 -4.23 -4.15	57.37 -2.94 -3.75
BAYONEEC___CTG1 323682	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG10 323750	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG2 323683	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG3 323684	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG4 323685	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG5 323686	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG6 323687	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92

BAYONEEC___CTG7 323688	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG8 323689	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BAYONEEC___CTG9 323749	105.48 5.61 -40.87	97.97 5.23 -34.64	91.69 4.91 -30.33	88.81 4.79 -27.64	91.42 4.97 -30.00	97.96 5.08 -35.76	101.47 5.24 -36.74	114.38 5.03 -53.51	128.72 5.38 -65.45	132.28 5.65 -67.75	133.76 5.37 -71.24	136.07 5.31 -74.26	121.28 5.37 -59.41	122.83 5.24 -61.20	123.03 5.24 -61.41	127.76 5.24 -66.13	128.10 5.65 -63.63	166.96 6.22 -97.92	169.77 6.13 -101.75	153.58 5.93 -88.33	144.50 5.79 -80.19	127.68 5.48 -65.70	123.87 5.36 -62.13	88.74 5.26 -26.92
BEACON___LESR 323632	110.23 3.36 -47.86	102.68 3.49 -41.10	97.24 3.44 -37.36	93.86 3.44 -34.03	96.87 3.50 -36.92	103.17 3.66 -42.39	108.48 3.81 -45.17	119.18 3.13 -60.22	115.81 3.30 -54.64	104.60 3.47 -42.25	105.00 3.26 -44.60	95.99 3.22 -36.27	93.39 3.16 -33.72	90.06 3.21 -30.46	91.22 3.27 -31.57	95.32 3.10 -35.83	107.47 3.00 -45.65	136.88 3.20 -70.86	138.37 3.15 -73.32	118.18 2.96 -55.90	104.78 2.92 -43.34	105.02 2.82 -45.70	95.93 2.93 -36.62	92.75 3.11 -33.08
BEAVER RIVER___HYD 24048	60.95 0.42 -1.53	59.82 0.41 -1.31	58.03 0.40 -1.19	57.87 0.40 -1.08	58.02 0.40 -1.18	58.70 0.23 -1.35	61.29 0.36 -1.44	58.32 0.56 -1.92	60.26 0.64 -1.74	60.82 0.59 -1.35	59.02 0.46 -1.42	57.94 0.28 -1.16	57.74 0.17 -1.07	57.52 0.17 -0.97	57.56 0.17 -1.01	57.97 0.45 -1.14	60.99 0.71 -1.45	65.70 0.63 -2.26	64.85 0.62 -2.34	61.69 0.59 -1.78	60.48 0.59 -1.38	58.41 0.45 -1.46	57.89 0.34 -1.17	57.96 0.34 -1.05
BEEBEE_GT_13 23619	62.50 -1.18 -4.68	60.43 -1.68 -4.02	58.46 -1.64 -3.65	57.96 -1.75 -3.33	58.30 -1.75 -3.61	59.78 -1.49 -4.14	62.42 -1.49 -4.42	59.49 -2.23 -5.89	60.61 -2.60 -5.34	60.71 -2.30 -4.13	58.99 -2.51 -4.36	57.67 -2.37 -3.55	57.37 -2.43 -3.30	56.77 -2.59 -2.98	56.76 -2.71 -3.09	57.24 -2.65 -3.50	60.82 -2.47 -4.46	67.54 -2.20 -6.93	67.02 -2.04 -7.17	62.64 -2.14 -5.46	60.35 -2.40 -4.24	58.48 -2.49 -4.47	57.42 -2.54 -3.58	58.10 -1.70 -3.23
BENSHRST_27_KV_BENSHRST_1 355998	106.56 6.25 -41.30	98.83 5.81 -34.92	92.54 5.76 -30.34	89.61 5.58 -27.64	92.27 5.81 -30.01	98.83 5.65 -36.05	102.08 5.83 -36.76	115.95 5.58 -54.53	133.89 5.96 -70.05	140.00 6.24 -74.88	141.97 5.94 -78.88	146.40 5.88 -84.02	128.88 5.99 -66.40	131.45 5.92 -69.15	131.45 5.86 -69.20	136.51 5.92 -74.21	134.59 6.47 -69.29	176.51 7.16 -106.54	179.17 7.12 -110.16	163.59 6.82 -97.46	154.91 6.61 -89.78	134.57 6.27 -71.80	131.51 6.09 -69.03	89.44 5.94 -26.94
BETHLEHEM___GRP 23843	109.09 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.06 2.51 -42.43	107.33 2.62 -45.22	118.02 1.90 -60.28	114.60 2.03 -54.69	103.47 2.30 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.23 1.97 -35.87	106.16 1.65 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
BETHLEHEM___GS1 323560	109.10 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.12 2.57 -42.43	107.33 2.61 -45.22	118.02 1.90 -60.28	114.59 2.02 -54.69	103.46 2.29 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.22 1.97 -35.87	106.16 1.64 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
BETHLEHEM___GS2 323561	109.10 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.12 2.57 -42.43	107.33 2.61 -45.22	118.02 1.90 -60.28	114.59 2.02 -54.69	103.46 2.29 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.22 1.97 -35.87	106.16 1.64 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
BETHLEHEM___GS3 323562	109.10 2.18 -47.90	101.74 2.50 -41.14	96.26 2.43 -37.39	92.87 2.42 -34.07	95.83 2.43 -36.96	102.12 2.57 -42.43	107.33 2.61 -45.22	118.02 1.90 -60.28	114.59 2.02 -54.69	103.46 2.29 -42.29	103.95 2.17 -44.64	95.07 2.26 -36.31	92.46 2.20 -33.76	89.13 2.26 -30.49	90.18 2.20 -31.60	94.22 1.97 -35.87	106.16 1.64 -45.69	135.44 1.70 -70.93	136.96 1.67 -73.39	116.87 1.60 -55.96	103.48 1.58 -43.38	103.82 1.58 -45.74	94.84 1.80 -36.65	91.65 1.98 -33.11
BETHLEHEM___STEEL 23779	61.92 -3.36 -6.27	59.42 -4.07 -5.39	57.50 -3.84 -4.90	56.73 -4.12 -4.46	57.56 -3.73 -4.84	59.08 -3.60 -5.56	61.55 -3.87 -5.92	58.88 -4.86 -7.90	59.49 -5.56 -7.16	59.24 -5.18 -5.54	57.68 -5.31 -5.85	56.11 -5.14 -4.76	55.78 -5.14 -4.42	54.96 -5.41 -3.99	55.00 -5.53 -4.14	55.67 -5.41 -4.70	59.52 -5.29 -5.98	66.89 -5.21 -9.29	66.49 -5.01 -9.61	61.60 -5.04 -7.33	58.87 -5.33 -5.68	57.24 -5.25 -5.99	55.94 -5.24 -4.80	57.16 -3.73 -4.34
BETHLHEM_115KV_TB1 79974	109.12 2.24 -47.87	101.71 2.50 -41.11	96.24 2.43 -37.37	92.85 2.42 -34.04	95.81 2.43 -36.94	102.04 2.51 -42.40	107.30 2.62 -45.19	118.09 2.01 -60.24	114.68 2.14 -54.66	103.50 2.36 -42.26	103.98 2.23 -44.61	95.05 2.26 -36.29	92.50 2.26 -33.74	89.11 2.26 -30.47	90.22 2.26 -31.58	94.26 2.03 -35.85	106.31 1.82 -45.66	135.58 1.88 -70.88	137.10 1.86 -73.35	117.01 1.78 -55.92	103.63 1.76 -43.35	103.91 1.69 -45.71	94.93 1.92 -36.63	91.74 2.09 -33.09
BETHPAGE_CC_5 323564	125.15 6.67 -59.48	112.12 6.22 -47.80	104.41 5.93 -42.04	100.03 5.86 -37.78	106.70 5.98 -44.28	112.17 6.11 -48.93	109.60 6.30 -43.80	118.91 6.03 -57.04	122.14 6.37 -57.89	112.59 6.65 -47.06	112.54 6.40 -49.00	108.41 6.33 -45.58	104.66 6.33 -41.83	103.68 6.26 -41.04	111.93 6.20 -49.35	115.38 6.31 -52.69	145.94 6.82 -80.30	156.35 7.47 -86.06	157.66 7.42 -88.34	152.43 7.06 -86.06	149.55 6.90 -84.13	125.00 6.61 -61.90	114.37 6.37 -51.61	109.55 6.28 -46.71
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	61.87 -3.48 -6.35	59.43 -4.13 -5.45	57.50 -3.89 -4.95	56.67 -4.23 -4.51	57.56 -3.78 -4.90	59.09 -3.66 -5.62	61.56 -3.93 -5.99	58.97 -4.86 -7.99	59.51 -5.61 -7.25	59.30 -5.18 -5.60	57.74 -5.31 -5.91	56.17 -5.14 -4.81	55.77 -5.20 -4.47	55.01 -5.41 -4.04	55.04 -5.53 -4.19	55.72 -5.41 -4.75	59.58 -5.29 -6.05	67.06 -5.15 -9.40	66.61 -5.01 -9.72	61.69 -5.04 -7.41	58.94 -5.33 -5.75	57.25 -5.31 -6.06	55.99 -5.24 -4.85	57.16 -3.79 -4.39

BINGHAMTON___COGEN 23790	72.45 0.77 -12.68	69.45 0.46 -10.89	66.79 0.45 -9.89	65.74 0.34 -9.01	66.73 0.51 -9.78	68.92 0.57 -11.23	72.17 0.71 -11.97	72.18 0.39 -15.95	72.64 0.29 -14.47	70.54 0.47 -11.19	69.24 0.29 -11.81	66.39 0.28 -9.61	65.71 0.28 -8.93	64.62 0.17 -8.07	64.86 0.11 -8.36	66.10 0.23 -9.49	71.44 0.53 -12.09	82.40 0.82 -18.77	82.12 0.80 -19.42	74.83 0.71 -14.81	70.58 0.59 -11.48	69.00 0.40 -12.10	66.36 0.28 -9.70	65.94 0.62 -8.76
BIXINCNT_115KV_LOAD 355685	61.69 -4.01 -6.69	59.14 -4.71 -5.75	57.15 -4.52 -5.22	56.35 -4.79 -4.76	57.43 -4.18 -5.16	58.93 -4.11 -5.93	61.59 -4.22 -6.31	59.24 -5.03 -8.42	59.96 -5.56 -7.64	59.73 -5.06 -5.91	58.18 -5.20 -6.24	56.37 -5.20 -5.07	55.90 -5.31 -4.72	55.12 -5.53 -4.26	55.33 -5.47 -4.41	56.09 -5.30 -5.01	60.21 -5.00 -6.38	68.01 -4.71 -9.91	67.38 -4.77 -10.25	62.09 -5.04 -7.82	59.31 -5.27 -6.06	57.63 -5.25 -6.39	56.14 -5.36 -5.12	57.11 -4.07 -4.63
BLACK RIVER___HYD 24047	62.48 1.41 -2.06	61.15 1.28 -1.77	59.24 1.19 -1.61	59.04 1.19 -1.47	59.22 1.19 -1.59	59.97 1.03 -1.83	62.75 1.31 -1.95	59.83 1.40 -2.59	61.68 1.45 -2.35	62.23 1.53 -1.82	60.38 1.32 -1.92	59.08 1.02 -1.56	58.85 0.90 -1.45	58.59 0.90 -1.31	58.64 0.90 -1.36	59.17 1.24 -1.54	62.50 1.71 -1.97	67.69 1.82 -3.05	66.91 1.86 -3.16	63.44 1.72 -2.41	61.96 1.58 -1.87	59.82 1.35 -1.97	59.03 1.07 -1.58	59.12 1.13 -1.42
BLACKRVR_115KV_TB2 79977	62.48 1.42 -2.06	61.15 1.28 -1.77	59.24 1.19 -1.61	59.03 1.18 -1.47	59.22 1.19 -1.59	59.97 1.03 -1.83	62.75 1.31 -1.95	59.83 1.40 -2.59	61.68 1.45 -2.35	62.23 1.53 -1.82	60.38 1.31 -1.92	59.08 1.02 -1.56	58.86 0.90 -1.45	58.60 0.90 -1.31	58.59 0.85 -1.36	59.17 1.24 -1.54	62.50 1.71 -1.97	67.69 1.82 -3.05	66.91 1.86 -3.16	63.44 1.72 -2.41	61.96 1.58 -1.87	59.82 1.36 -1.97	59.03 1.07 -1.58	59.12 1.13 -1.42
BLISS_WT_PWR 323608	61.45 -4.25 -6.69	58.97 -4.88 -5.75	56.93 -4.74 -5.22	56.12 -5.02 -4.76	57.26 -4.35 -5.16	58.76 -4.28 -5.93	61.41 -4.40 -6.31	59.12 -5.14 -8.42	59.91 -5.61 -7.64	59.67 -5.12 -5.91	58.12 -5.26 -6.24	56.26 -5.31 -5.07	55.85 -5.37 -4.72	54.95 -5.69 -4.26	55.44 -5.36 -4.41	56.04 -5.36 -5.01	60.15 -5.06 -6.38	68.01 -4.71 -9.91	67.32 -4.83 -10.25	61.97 -5.16 -7.82	59.20 -5.38 -6.06	57.52 -5.37 -6.39	56.03 -5.47 -5.12	57.00 -4.18 -4.63
BLUESTONE___WT_PWR 323821	78.33 5.61 -13.72	74.99 5.11 -11.78	72.06 4.91 -10.71	70.87 4.74 -9.75	71.93 4.91 -10.58	74.30 5.03 -12.15	78.03 5.59 -12.95	78.29 5.19 -17.26	78.75 5.21 -15.66	76.35 5.36 -12.11	74.66 4.74 -12.78	71.36 4.46 -10.40	70.52 4.35 -9.66	69.23 4.11 -8.73	69.54 4.11 -9.05	71.11 4.45 -10.27	77.31 5.41 -13.08	89.21 6.09 -20.31	88.98 6.07 -21.01	81.03 5.69 -16.02	76.21 5.27 -12.42	74.45 4.86 -13.10	71.44 4.57 -10.49	71.02 4.98 -9.48
BLUE_CIRC_CHEM_DRP 24182	108.83 2.71 -47.11	101.34 2.79 -40.45	95.98 2.77 -36.77	92.65 2.76 -33.50	95.55 2.77 -36.35	101.70 2.86 -41.73	106.94 2.97 -44.47	117.52 2.40 -59.28	114.27 2.60 -53.78	103.12 2.65 -41.59	103.56 2.51 -43.90	94.75 2.54 -35.71	92.24 2.54 -33.20	88.91 2.54 -29.98	90.00 2.54 -31.07	94.14 2.48 -35.27	106.17 2.41 -44.93	135.14 2.58 -69.75	136.61 2.54 -72.17	116.71 2.37 -55.03	103.52 2.34 -42.66	103.74 2.26 -44.98	94.79 2.37 -36.04	91.55 2.43 -32.56
BOC_GAS_DRP 24189	108.96 2.24 -47.71	101.34 2.27 -40.97	95.89 2.20 -37.24	92.51 2.20 -33.93	95.45 2.20 -36.81	101.66 2.28 -42.26	106.91 2.38 -45.03	117.88 2.01 -60.03	114.55 2.20 -54.47	103.29 2.30 -42.12	103.83 2.23 -44.46	94.86 2.20 -36.16	92.32 2.20 -33.62	88.95 2.20 -30.37	90.05 2.20 -31.47	94.25 2.14 -35.72	106.45 2.12 -45.51	135.72 2.26 -70.64	137.22 2.23 -73.09	117.18 2.14 -55.73	103.83 2.11 -43.20	104.09 2.03 -45.55	94.97 2.09 -36.50	91.63 2.09 -32.97
BOONVILLE_115KV_TB1 79983	62.53 2.12 -1.40	61.28 1.98 -1.20	59.46 1.92 -1.09	59.24 1.86 -0.99	59.50 1.98 -1.08	60.30 1.94 -1.24	63.02 2.20 -1.32	59.72 2.12 -1.76	61.73 2.26 -1.60	62.41 2.30 -1.23	60.56 2.11 -1.30	59.48 1.92 -1.06	59.35 1.86 -0.99	59.08 1.80 -0.89	59.11 1.80 -0.92	59.40 1.97 -1.05	62.51 2.35 -1.33	67.34 2.45 -2.07	66.45 2.41 -2.14	63.20 2.25 -1.63	61.89 2.11 -1.27	59.81 1.98 -1.34	59.20 1.75 -1.07	59.39 1.87 -0.97
BORALEX_4TH_BRANCH 23824	110.08 3.30 -47.77	102.32 3.20 -41.02	96.89 3.16 -37.29	93.57 3.21 -33.97	96.46 3.16 -36.85	102.57 3.14 -42.31	107.92 3.33 -45.09	119.19 3.24 -60.11	116.00 3.59 -54.54	104.58 3.53 -42.17	105.20 3.54 -44.51	96.15 3.45 -36.21	93.66 3.50 -33.66	90.28 3.50 -30.40	91.39 3.50 -31.51	95.70 3.55 -35.77	108.15 3.76 -45.56	137.56 4.02 -70.73	139.04 3.96 -73.18	118.91 3.80 -55.80	105.46 3.69 -43.26	105.61 3.50 -45.61	96.43 3.50 -36.55	92.91 3.34 -33.01
BOWLINE___1 23526	101.39 4.61 -37.78	94.58 4.07 -32.41	89.76 3.89 -29.43	86.97 3.78 -26.81	89.48 3.95 -29.08	94.54 4.00 -33.43	99.18 4.10 -35.58	107.37 3.97 -47.56	105.80 4.28 -43.64	98.06 4.53 -34.64	97.55 4.29 -36.12	90.64 4.29 -29.84	88.27 4.29 -27.47	85.64 4.23 -25.03	86.44 4.17 -25.88	89.83 4.17 -29.28	100.40 4.53 -37.04	125.31 5.03 -57.47	127.85 4.95 -61.00	109.98 4.80 -45.86	99.18 4.68 -35.98	98.12 4.46 -37.16	90.89 4.34 -30.16	86.86 4.24 -26.06
BOWLINE___2 23595	101.45 4.66 -37.78	94.70 4.19 -32.41	89.88 4.01 -29.43	87.08 3.89 -26.81	89.54 4.01 -29.09	94.67 4.11 -33.43	99.31 4.22 -35.59	107.48 4.07 -47.57	105.92 4.40 -43.64	98.18 4.65 -34.64	97.67 4.40 -36.13	90.70 4.35 -29.85	88.33 4.35 -27.48	85.70 4.28 -25.03	86.50 4.23 -25.89	89.95 4.28 -29.28	100.52 4.65 -37.05	125.37 5.09 -57.47	127.98 5.08 -61.01	110.05 4.86 -45.87	99.30 4.80 -35.98	98.19 4.52 -37.17	90.95 4.40 -30.17	86.91 4.30 -26.06
BRADY___115KV_TB2 356060	57.59 -1.42 0.00	57.40 -0.70 0.00	55.94 -0.51 0.00	55.88 -0.51 0.00	55.82 -0.62 0.00	56.21 -0.91 0.00	58.01 -1.49 0.00	55.28 -0.56 0.00	57.24 -0.64 0.00	57.65 -1.24 0.00	56.40 -0.74 0.00	55.65 -0.85 0.00	55.65 -0.85 0.00	55.59 -0.79 0.00	55.65 -0.73 0.00	55.65 -0.73 0.00	57.59 -1.24 0.00	60.68 -2.14 0.00	59.79 -2.10 0.00	57.65 -1.66 0.00	57.46 -1.05 0.00	55.65 -0.85 0.00	55.76 -0.62 0.00	55.77 -0.79 0.00
BRANSCOMB___SOLAR 323811	112.10 3.95 -49.14	104.02 3.72 -42.20	98.41 3.62 -38.35	94.99 3.66 -34.94	98.02 3.67 -37.91	104.47 3.83 -43.52	109.98 4.10 -46.38	121.35 3.68 -61.83	117.91 3.94 -56.10	106.08 3.83 -43.38	106.59 3.66 -45.79	97.25 3.50 -37.24	94.63 3.50 -34.63	91.04 3.38 -31.28	92.24 3.44 -32.41	96.89 3.72 -36.79	109.93 4.24 -46.87	140.22 4.65 -72.75	141.82 4.64 -75.28	120.98 4.27 -57.39	107.17 4.16 -44.50	107.37 3.95 -46.92	97.76 3.78 -37.59	94.19 3.67 -33.96
BRENTWOD_69_KV_W. BRTWOOD 56703	125.74 7.26 -59.48	112.70 6.80 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.74 6.68 -48.93	110.14 6.84 -43.80	119.30 6.42 -57.04	122.54 6.77 -57.89	113.00 7.07 -47.06	113.06 6.91 -49.00	108.80 6.72 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.39 6.65 -49.35	115.95 6.88 -52.69	146.53 7.41 -80.30	157.04 8.17 -86.06	158.28 8.05 -88.34	153.09 7.71 -86.06	150.14 7.49 -84.13	125.46 7.06 -61.90	114.82 6.82 -51.61	110.12 6.84 -46.71



BRISTLHL_115KV_TB1 79998	61.30 -0.83 -3.12	59.79 -0.99 -2.68	57.92 -0.96 -2.44	57.59 -1.01 -2.22	57.84 -1.02 -2.41	58.91 -0.97 -2.76	61.61 -0.83 -2.94	58.76 -1.01 -3.93	60.40 -1.04 -3.56	60.75 -0.88 -2.75	59.08 -0.97 -2.91	57.96 -0.90 -2.36	57.74 -0.96 -2.20	57.35 -1.01 -1.99	57.31 -1.13 -2.06	57.70 -1.01 -2.34	60.92 -0.88 -2.98	66.68 -0.75 -4.62	65.93 -0.74 -4.78	62.19 -0.77 -3.64	60.46 -0.88 -2.83	58.52 -0.96 -2.98	57.64 -1.13 -2.39	57.81 -0.90 -2.16
BROOKHAVEN___DRP 24191	125.51 7.02 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.30 6.01 -43.80	118.63 5.75 -57.04	121.79 6.02 -57.89	112.47 6.54 -47.06	113.06 6.91 -49.00	108.63 6.55 -45.58	105.00 6.67 -41.83	104.08 6.65 -41.04	112.27 6.54 -49.35	116.01 6.94 -52.69	146.24 7.12 -80.30	156.98 8.10 -86.06	157.97 7.74 -88.34	152.67 7.30 -86.06	149.73 7.08 -84.13	125.12 6.72 -61.90	114.59 6.60 -51.61	109.89 6.62 -46.71
BROOKLYN_NAVY_YARD 23515	105.66 5.79 -40.87	98.08 5.34 -34.64	91.69 4.91 -30.33	88.87 4.85 -27.64	91.42 4.97 -30.00	98.13 5.25 -35.76	101.59 5.36 -36.74	114.55 5.19 -53.51	128.89 5.56 -65.45	132.46 5.83 -67.75	133.93 5.54 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.20 5.41 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.32 -101.75	153.76 6.11 -88.33	144.68 5.97 -80.19	127.85 5.65 -65.70	124.04 5.53 -62.13	88.91 5.43 -26.92
BROOKLYN___ARMY_DRP 323595	106.33 6.02 -41.30	98.60 5.58 -34.92	92.31 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.76 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.60 5.71 -66.40	131.17 5.64 -69.15	131.17 5.58 -69.20	136.23 5.64 -74.21	134.29 6.18 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.22 5.81 -69.03	89.15 5.66 -26.94
BROOKVLE_69_KV_TB1 55790	125.27 6.79 -59.48	112.23 6.33 -47.80	104.52 6.04 -42.04	100.03 5.86 -37.78	106.76 6.04 -44.28	112.22 6.17 -48.93	109.72 6.43 -43.80	118.96 6.09 -57.04	122.25 6.48 -57.89	112.65 6.71 -47.06	112.60 6.46 -49.00	108.46 6.38 -45.58	104.66 6.33 -41.83	103.68 6.26 -41.04	111.93 6.20 -49.35	115.10 6.03 -52.69	145.71 6.59 -80.30	156.10 7.22 -86.06	157.41 7.18 -88.34	152.26 6.88 -86.06	149.38 6.73 -84.13	124.78 6.38 -61.90	114.42 6.43 -51.61	109.61 6.33 -46.71
BROOME_2_LFGE 323671	72.45 0.77 -12.68	69.45 0.46 -10.89	66.79 0.45 -9.89	65.74 0.34 -9.01	66.73 0.51 -9.78	68.92 0.57 -11.23	72.18 0.72 -11.97	72.18 0.39 -15.95	72.64 0.29 -14.47	70.54 0.47 -11.19	69.24 0.29 -11.81	66.39 0.28 -9.61	65.72 0.28 -8.93	64.62 0.17 -8.07	64.91 0.17 -8.36	66.10 0.23 -9.49	71.44 0.53 -12.09	82.40 0.81 -18.77	82.12 0.80 -19.42	74.84 0.71 -14.81	70.58 0.59 -11.48	69.00 0.40 -12.10	66.37 0.28 -9.70	65.94 0.62 -8.76
BROOME___LFGE 323600	72.45 0.77 -12.68	69.45 0.46 -10.89	66.79 0.45 -9.89	65.74 0.34 -9.01	66.73 0.51 -9.78	68.92 0.57 -11.23	72.18 0.72 -11.97	72.18 0.39 -15.95	72.64 0.29 -14.47	70.54 0.47 -11.19	69.24 0.29 -11.81	66.39 0.28 -9.61	65.72 0.28 -8.93	64.62 0.17 -8.07	64.91 0.17 -8.36	66.10 0.23 -9.49	71.44 0.53 -12.09	82.40 0.81 -18.77	82.12 0.80 -19.42	74.84 0.71 -14.81	70.58 0.59 -11.48	69.00 0.40 -12.10	66.37 0.28 -9.70	65.94 0.62 -8.76
BROWNFLS_115KV_TB_3_5 80003	58.77 -1.30 -1.07	58.09 -0.93 -0.91	56.43 -0.85 -0.83	56.30 -0.85 -0.76	56.36 -0.90 -0.82	56.81 -1.26 -0.94	59.01 -1.49 -1.01	56.29 -0.89 -1.34	58.23 -0.87 -1.22	58.59 -1.24 -0.94	57.11 -1.03 -0.99	56.18 -1.13 -0.81	56.01 -1.24 -0.75	55.88 -1.18 -0.68	55.90 -1.18 -0.70	56.17 -1.01 -0.80	58.72 -1.12 -1.02	62.76 -1.63 -1.58	61.92 -1.61 -1.63	59.19 -1.36 -1.24	58.37 -1.11 -0.96	56.44 -1.07 -1.02	56.24 -0.96 -0.82	56.28 -1.02 -0.74
BROWNSV1_27_KV_LOAD 356125	106.01 6.14 -40.87	98.49 5.75 -34.64	92.20 5.42 -30.33	89.32 5.30 -27.64	91.92 5.48 -30.00	98.47 5.60 -35.76	102.00 5.77 -36.74	114.88 5.53 -53.51	129.24 5.90 -65.45	132.81 6.18 -67.75	134.27 5.89 -71.24	136.63 5.88 -74.26	121.79 5.88 -59.41	123.39 5.81 -61.20	123.54 5.75 -61.41	128.33 5.81 -66.13	128.69 6.24 -63.63	167.59 6.85 -97.92	170.45 6.81 -101.75	154.17 6.52 -88.33	145.09 6.38 -80.19	128.24 6.05 -65.70	124.43 5.92 -62.13	89.25 5.77 -26.92
BURROWS___LYONSDAL 23803	62.26 1.83 -1.42	61.07 1.74 -1.22	59.19 1.64 -1.11	59.03 1.64 -1.01	59.24 1.69 -1.10	60.04 1.66 -1.26	62.74 1.90 -1.34	59.47 1.84 -1.79	61.47 1.97 -1.63	62.14 2.00 -1.26	60.30 1.83 -1.33	59.16 1.58 -1.08	59.08 1.58 -1.00	58.81 1.52 -0.91	58.79 1.47 -0.94	59.20 1.75 -1.07	62.24 2.06 -1.36	67.06 2.14 -2.11	66.24 2.17 -2.18	62.99 2.02 -1.66	61.68 1.87 -1.29	59.55 1.69 -1.36	58.99 1.52 -1.09	59.18 1.64 -0.98
CAITHNESS_CC_1 323624	125.45 6.96 -59.48	112.52 6.62 -47.80	104.75 6.26 -42.04	100.37 6.20 -37.78	107.04 6.32 -44.28	112.45 6.40 -48.93	109.36 6.07 -43.80	118.68 5.81 -57.04	121.85 6.08 -57.89	112.47 6.54 -47.06	112.94 6.80 -49.00	108.57 6.49 -45.58	104.88 6.55 -41.83	103.96 6.54 -41.04	112.21 6.48 -49.35	115.89 6.82 -52.69	146.18 7.06 -80.30	156.86 7.98 -86.06	158.16 7.92 -88.34	152.67 7.29 -86.06	149.73 7.08 -84.13	125.12 6.72 -61.90	114.65 6.65 -51.61	109.77 6.50 -46.71
CALPINE BETH_PAGE_GT4 24209	125.21 6.73 -59.48	112.12 6.22 -47.80	104.47 5.98 -42.04	100.03 5.86 -37.78	106.71 5.98 -44.28	112.17 6.11 -48.93	109.60 6.31 -43.80	118.91 6.03 -57.04	122.14 6.37 -57.89	112.59 6.65 -47.06	112.54 6.40 -49.00	108.41 6.33 -45.58	104.60 6.27 -41.83	103.68 6.26 -41.04	111.93 6.20 -49.35	115.33 6.26 -52.69	145.94 6.82 -80.30	156.35 7.48 -86.06	157.60 7.37 -88.34	152.43 7.06 -86.06	149.55 6.91 -84.13	124.95 6.55 -61.90	114.37 6.37 -51.61	109.55 6.28 -46.71
CALPINE_BETH_PAGE_GT_4 323586	125.21 6.72 -59.48	112.12 6.22 -47.80	104.46 5.98 -42.04	100.03 5.86 -37.78	106.70 5.98 -44.28	112.17 6.11 -48.93	109.60 6.30 -43.80	118.91 6.03 -57.04	122.14 6.37 -57.89	112.59 6.65 -47.06	112.54 6.40 -49.00	108.41 6.33 -45.58	104.66 6.33 -41.83	103.68 6.26 -41.04	111.93 6.20 -49.35	115.33 6.26 -52.69	145.94 6.82 -80.30	156.35 7.47 -86.06	157.59 7.36 -88.34	152.43 7.06 -86.06	149.55 6.90 -84.13	124.95 6.55 -61.90	114.37 6.37 -51.61	109.55 6.28 -46.71
CALPINE_BP_GT1 23823	125.21 6.72 -59.48	112.12 6.22 -47.80	104.46 5.98 -42.04	100.03 5.86 -37.78	106.70 5.98 -44.28	112.17 6.11 -48.93	109.60 6.30 -43.80	118.91 6.03 -57.04	122.14 6.37 -57.89	112.59 6.65 -47.06	112.54 6.40 -49.00	108.41 6.33 -45.58	104.66 6.33 -41.83	103.68 6.26 -41.04	111.93 6.20 -49.35	115.33 6.26 -52.69	145.94 6.82 -80.30	156.35 7.47 -86.06	157.59 7.36 -88.34	152.43 7.06 -86.06	149.55 6.90 -84.13	124.95 6.55 -61.90	114.37 6.37 -51.61	109.55 6.28 -46.71
CALSPAN___DRP 24200	61.92 -3.36 -6.27	59.42 -4.07 -5.39	57.50 -3.84 -4.90	56.73 -4.12 -4.46	57.56 -3.73 -4.84	59.08 -3.60 -5.56	61.55 -3.87 -5.92	58.88 -4.86 -7.90	59.49 -5.56 -7.16	59.24 -5.18 -5.54	57.68 -5.31 -5.85	56.11 -5.14 -4.76	55.78 -5.14 -4.42	54.96 -5.41 -3.99	55.00 -5.53 -4.14	55.67 -5.41 -4.70	59.52 -5.29 -5.98	66.89 -5.21 -9.29	66.49 -5.01 -9.61	61.60 -5.04 -7.33	58.87 -5.33 -5.68	57.24 -5.25 -5.99	55.94 -5.24 -4.80	57.16 -3.73 -4.34

CALVERTON___SOLAR 323806	125.62 7.14 -59.48	112.75 6.85 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.27 6.54 -44.28	112.68 6.62 -48.93	109.42 6.13 -43.80	118.68 5.81 -57.04	121.85 6.08 -57.89	112.53 6.59 -47.06	113.23 7.08 -49.00	108.74 6.66 -45.58	105.16 6.83 -41.83	104.19 6.76 -41.04	112.38 6.65 -49.35	116.17 7.10 -52.69	146.35 7.23 -80.30	157.17 8.29 -86.06	158.47 8.23 -88.34	152.79 7.41 -86.06	149.84 7.20 -84.13	125.23 6.83 -61.90	114.87 6.88 -51.61	109.94 6.67 -46.71
CANDIGU_WT_PWR 323617	66.34 -1.30 -8.63	63.71 -1.80 -7.41	61.54 -1.64 -6.74	60.66 -1.86 -6.14	61.58 -1.52 -6.66	63.45 -1.31 -7.65	66.28 -1.37 -8.15	64.80 -1.90 -10.86	65.36 -2.38 -9.85	64.38 -2.12 -7.62	62.84 -2.35 -8.04	60.84 -2.20 -6.54	60.44 -2.15 -6.08	59.51 -2.37 -5.49	59.82 -2.26 -5.69	60.70 -2.14 -6.46	65.29 -1.76 -8.23	74.15 -1.44 -12.78	73.76 -1.36 -13.22	67.85 -1.54 -10.08	64.58 -1.75 -7.82	62.82 -1.92 -8.24	60.90 -2.09 -6.60	61.28 -1.24 -5.97
CARR STREET_E_SYR 24060	61.88 -0.71 -3.57	60.30 -0.87 -3.07	58.39 -0.85 -2.79	58.02 -0.90 -2.54	58.36 -0.85 -2.76	59.49 -0.80 -3.17	62.16 -0.71 -3.37	59.50 -0.84 -4.50	61.03 -0.93 -4.08	61.27 -0.77 -3.16	59.62 -0.86 -3.33	58.36 -0.85 -2.71	58.17 -0.85 -2.52	57.70 -0.96 -2.28	57.78 -0.96 -2.36	58.16 -0.90 -2.68	61.47 -0.77 -3.41	67.48 -0.63 -5.29	66.75 -0.62 -5.48	62.84 -0.65 -4.18	60.99 -0.76 -3.24	59.07 -0.85 -3.41	58.10 -1.01 -2.73	58.24 -0.79 -2.47
CARTHAGE___PAPER 23857	61.45 0.59 -1.85	60.27 0.58 -1.59	58.46 0.56 -1.45	58.21 0.51 -1.32	58.44 0.56 -1.43	59.11 0.34 -1.64	61.78 0.53 -1.75	58.90 0.72 -2.33	60.81 0.81 -2.12	61.34 0.82 -1.64	59.56 0.69 -1.73	58.35 0.45 -1.41	58.15 0.34 -1.31	57.90 0.34 -1.18	57.95 0.34 -1.22	58.45 0.68 -1.39	61.59 1.00 -1.77	66.56 1.00 -2.74	65.79 1.05 -2.84	62.43 0.95 -2.17	61.08 0.88 -1.68	59.00 0.73 -1.77	58.31 0.51 -1.42	58.35 0.51 -1.28
CASSADAGA_WT_PWR 323784	62.79 -2.89 -6.67	59.99 -3.84 -5.73	58.15 -3.50 -5.21	57.52 -3.61 -4.74	58.32 -3.28 -5.15	59.89 -3.14 -5.91	62.82 -2.97 -6.30	60.27 -3.96 -8.39	60.86 -4.63 -7.62	60.59 -4.18 -5.89	59.01 -4.35 -6.22	57.55 -4.01 -5.06	57.30 -3.90 -4.70	56.34 -4.29 -4.25	56.50 -4.29 -4.40	57.04 -4.34 -5.00	60.95 -4.24 -6.36	68.74 -3.96 -9.88	68.40 -3.71 -10.22	63.19 -3.92 -7.79	60.35 -4.21 -6.04	58.46 -4.41 -6.37	56.92 -4.57 -5.10	58.06 -3.11 -4.61
CE_DUNWOOD___DRP 24194	102.99 5.13 -38.85	96.12 4.71 -33.31	91.19 4.52 -30.23	88.32 4.40 -27.54	90.84 4.52 -29.88	96.11 4.63 -34.36	100.81 4.76 -36.56	109.35 4.58 -48.93	107.92 4.92 -45.12	100.25 5.12 -36.24	99.65 4.91 -37.59	92.63 4.86 -31.27	90.02 4.86 -28.66	87.39 4.79 -26.21	88.20 4.74 -27.08	91.70 4.74 -30.59	102.58 5.18 -38.57	128.36 5.72 -59.83	131.75 5.63 -64.22	112.71 5.40 -48.00	101.69 5.33 -37.85	100.27 5.03 -38.74	92.91 4.91 -31.63	88.14 4.81 -26.77
CE_MILLWOOD___DRP 24193	102.62 4.96 -38.65	95.84 4.59 -33.15	90.88 4.35 -30.09	88.08 4.29 -27.41	90.59 4.40 -29.74	95.77 4.46 -34.19	100.47 4.58 -36.39	108.93 4.41 -48.67	107.40 4.75 -44.78	99.66 5.00 -35.78	99.08 4.74 -37.20	92.09 4.75 -30.85	89.52 4.69 -28.33	86.93 4.68 -25.86	87.68 4.57 -26.73	91.22 4.62 -30.21	102.04 5.06 -38.16	127.54 5.53 -59.19	130.63 5.51 -63.22	111.97 5.28 -47.37	100.94 5.15 -37.27	99.72 4.92 -38.30	92.31 4.74 -31.19	87.84 4.64 -26.64
CE_NYC2_DRP 24202	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.76 5.31 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.61 5.25 -54.53	133.55 5.61 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.43 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.82 6.47 -106.54	178.49 6.44 -110.16	162.94 6.17 -97.46	154.27 5.97 -89.78	134.00 5.71 -71.80	131.00 5.58 -69.03	89.04 5.54 -26.94
CE_NYC_DRP 24195	105.51 5.72 -40.78	97.97 5.29 -34.58	91.80 5.02 -30.33	88.92 4.91 -27.63	91.47 5.02 -30.00	98.01 5.20 -35.70	101.58 5.35 -36.73	114.28 5.14 -53.30	127.82 5.44 -64.50	130.87 5.71 -66.27	132.29 5.49 -69.67	134.16 5.42 -72.24	119.89 5.42 -57.97	121.30 5.36 -59.56	121.48 5.30 -59.80	126.21 5.36 -64.47	127.05 5.76 -62.46	165.31 6.34 -96.14	168.15 6.25 -100.01	151.75 5.99 -86.45	142.58 5.85 -78.21	126.53 5.59 -64.44	122.50 5.41 -60.70	88.85 5.37 -26.92
CHAFFEE___LFGE 323603	62.07 -3.42 -6.48	59.55 -4.12 -5.57	57.61 -3.89 -5.06	56.82 -4.17 -4.61	57.72 -3.73 -5.00	59.27 -3.60 -5.74	61.75 -3.87 -6.12	59.20 -4.80 -8.16	59.67 -5.61 -7.40	59.48 -5.12 -5.72	57.93 -5.26 -6.04	56.33 -5.08 -4.91	55.98 -5.08 -4.57	55.10 -5.41 -4.13	55.30 -5.36 -4.28	55.82 -5.41 -4.85	59.71 -5.29 -6.18	67.27 -5.15 -9.60	66.82 -5.01 -9.93	61.85 -5.04 -7.57	59.06 -5.32 -5.87	57.38 -5.31 -6.19	56.10 -5.24 -4.96	57.25 -3.79 -4.48
CHATEAUG_35_KV_LOAD 355732	58.06 -0.94 0.00	57.58 -0.52 0.00	55.88 -0.56 0.00	55.65 -0.73 0.00	55.54 -0.90 0.00	56.03 -1.09 0.00	57.65 -1.84 0.00	54.56 -1.28 0.00	56.55 -1.33 0.00	57.29 -1.59 0.00	55.71 -1.43 0.00	55.14 -1.36 0.00	55.14 -1.36 0.00	54.75 -1.64 0.00	54.92 -1.47 0.00	55.20 -1.18 0.00	57.53 -1.29 0.00	61.06 -1.76 0.00	59.98 -1.92 0.00	57.42 -1.90 0.00	56.94 -1.58 0.00	55.03 -1.47 0.00	54.97 -1.41 0.00	55.26 -1.30 0.00
CHATEAUG_WT_PWR 323614	57.95 -1.06 0.00	57.52 -0.58 0.00	55.77 -0.67 0.00	55.54 -0.84 0.00	55.43 -1.01 0.00	55.92 -1.20 0.00	57.47 -2.02 0.00	54.34 -1.51 0.00	56.32 -1.56 0.00	57.06 -1.83 0.00	55.54 -1.60 0.00	54.98 -1.52 0.00	54.92 -1.58 0.00	54.52 -1.86 0.00	54.63 -1.75 0.00	54.98 -1.41 0.00	57.36 -1.47 0.00	60.87 -1.95 0.00	59.73 -2.17 0.00	57.24 -2.08 0.00	56.76 -1.75 0.00	54.86 -1.64 0.00	54.80 -1.58 0.00	55.15 -1.41 0.00
CHAT_HIGH_FALL_HYD 323578	58.06 -0.94 0.00	57.58 -0.52 0.00	55.88 -0.56 0.00	55.65 -0.73 0.00	55.54 -0.90 0.00	56.03 -1.09 0.00	57.65 -1.84 0.00	54.56 -1.28 0.00	56.55 -1.33 0.00	57.29 -1.59 0.00	55.71 -1.43 0.00	55.14 -1.36 0.00	55.14 -1.36 0.00	54.75 -1.64 0.00	54.92 -1.47 0.00	55.20 -1.18 0.00	57.53 -1.29 0.00	61.06 -1.76 0.00	59.98 -1.92 0.00	57.42 -1.90 0.00	56.94 -1.58 0.00	55.03 -1.47 0.00	54.97 -1.41 0.00	55.26 -1.30 0.00
CHAUTAUQUA___LFGE 323629	62.73 -2.83 -6.55	60.13 -3.60 -5.63	58.23 -3.33 -5.12	57.43 -3.61 -4.66	58.34 -3.16 -5.06	59.90 -3.03 -5.81	62.53 -3.16 -6.18	59.96 -4.13 -8.25	60.50 -4.86 -7.48	60.31 -4.36 -5.79	58.73 -4.52 -6.11	57.17 -4.30 -4.97	56.88 -4.24 -4.62	55.99 -4.57 -4.17	56.14 -4.57 -4.32	56.67 -4.62 -4.91	60.60 -4.47 -6.25	68.25 -4.27 -9.70	67.85 -4.09 -10.04	62.76 -4.21 -7.66	59.95 -4.50 -5.94	58.18 -4.57 -6.26	56.77 -4.62 -5.01	57.87 -3.22 -4.53
CHERRYST_13_KV_LD 356241	105.63 5.84 -40.78	98.14 5.46 -34.58	91.91 5.14 -30.33	89.09 5.07 -27.63	91.64 5.19 -30.00	98.18 5.37 -35.70	101.76 5.53 -36.73	114.45 5.30 -53.30	128.00 5.61 -64.50	131.04 5.89 -66.27	132.47 5.66 -69.67	134.33 5.59 -72.24	120.06 5.59 -57.97	121.47 5.53 -59.56	121.65 5.47 -59.80	126.37 5.53 -64.47	127.22 5.94 -62.46	165.49 6.33 -96.14	168.34 6.44 -100.01	151.99 6.23 -86.45	142.76 6.03 -78.21	126.70 5.76 -64.44	122.67 5.58 -60.70	88.96 5.49 -26.92

CHESTROR_138KV_BK263 355645	99.31 4.07 -36.23	92.92 3.72 -31.10	88.27 3.56 -28.27	85.57 3.44 -25.75	87.94 3.56 -27.94	92.79 3.60 -32.08	97.43 3.75 -34.18	104.98 3.57 -45.57	103.10 3.88 -41.34	95.17 4.06 -32.23	94.72 3.83 -33.75	87.73 3.79 -27.45	85.80 3.79 -25.52	83.15 3.72 -23.05	83.94 3.66 -23.89	87.22 3.72 -27.11	97.69 4.12 -34.75	121.34 4.59 -53.94	123.20 4.52 -56.78	106.33 4.33 -42.69	95.94 4.27 -33.15	95.31 4.01 -34.80	88.24 3.89 -27.96	85.38 3.79 -25.03
CH_MIDHUDSON___DRP 24192	103.60 5.43 -39.17	96.85 5.11 -33.64	91.87 4.85 -30.57	88.92 4.68 -27.85	91.40 4.74 -30.22	96.61 4.80 -34.69	101.47 5.00 -36.97	109.98 4.86 -49.29	107.92 5.32 -44.72	98.99 5.53 -34.58	98.79 5.14 -36.50	91.27 5.08 -29.69	89.07 4.97 -27.60	86.16 4.85 -24.93	87.01 4.79 -25.84	90.62 4.91 -29.33	101.77 5.59 -37.36	127.03 6.22 -57.99	128.09 6.19 -60.01	111.00 5.93 -45.75	99.72 5.73 -35.47	99.32 5.42 -37.40	91.54 5.19 -29.97	88.67 5.03 -27.07
CH_MISC_IPPS 23765	103.14 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.74 -48.78	107.35 5.21 -44.26	98.58 5.48 -34.22	98.35 5.08 -36.13	90.86 4.97 -29.38	88.79 4.97 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.42 5.82 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79
CH_RES_BVR_FALLS 23983	57.88 -1.12 0.00	57.23 -0.87 0.00	55.65 -0.79 0.00	55.59 -0.79 0.00	55.65 -0.79 0.00	56.26 -0.86 0.00	58.48 -1.01 0.00	55.06 -0.78 0.00	57.07 -0.81 0.00	57.88 -1.00 0.00	56.34 -0.80 0.00	55.71 -0.79 0.00	55.65 -0.85 0.00	55.59 -0.79 0.00	55.59 -0.79 0.00	57.82 -1.00 0.00	61.43 -1.38 0.00	60.41 -1.49 0.00	57.95 -1.36 0.00	57.29 -1.23 0.00	55.42 -1.08 0.00	55.37 -1.01 0.00	55.43 -1.13 0.00	
CH_RES_NIAGARA 23895	60.08 -4.72 -5.80	57.79 -5.29 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.46 -4.80 -5.13	59.39 -5.53 -5.42	56.54 -6.59 -7.29	57.03 -7.47 -6.62	56.93 -7.07 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.63 -6.95 -4.08	52.80 -7.27 -3.69	52.99 -7.22 -3.82	53.39 -7.33 -4.34	57.00 -7.36 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.80 -7.23 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
CH_RES_SYRACUSE 23985	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.22 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.22 -2.53	58.78 -0.22 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.15 -0.28 -3.04	59.20 -0.11 -2.75
CLINTON_WT_PWR 323605	57.95 -1.06 0.00	57.52 -0.58 0.00	55.77 -0.67 0.00	55.54 -0.84 0.00	55.43 -1.01 0.00	55.92 -1.20 0.00	57.47 -2.02 0.00	54.34 -1.51 0.00	56.32 -1.56 0.00	57.06 -1.83 0.00	55.54 -1.60 0.00	54.98 -1.52 0.00	54.92 -1.58 0.00	54.52 -1.86 0.00	54.63 -1.75 0.00	54.98 -1.41 0.00	57.36 -1.47 0.00	60.87 -1.95 0.00	59.73 -2.17 0.00	57.24 -2.08 0.00	56.76 -1.75 0.00	54.86 -1.64 0.00	54.80 -1.58 0.00	55.15 -1.41 0.00
CLINTON___LFGE 323618	59.07 0.06 0.00	58.56 0.46 0.00	56.78 0.34 0.00	56.50 0.11 0.00	56.39 -0.06 0.00	56.89 -0.23 0.00	58.36 -1.13 0.00	55.23 -0.61 0.00	57.30 -0.58 0.00	58.06 -0.82 0.00	56.46 -0.68 0.00	55.88 -0.62 0.00	55.88 -0.62 0.00	55.37 -1.01 0.00	55.54 -0.84 0.00	55.87 -0.51 0.00	58.35 -0.47 0.00	62.00 -0.82 0.00	60.84 -1.05 0.00	58.19 -1.13 0.00	57.70 -0.82 0.00	55.76 -0.74 0.00	55.59 -0.79 0.00	56.17 -0.39 0.00
COBBLENY_34_KV_TB1 80064	62.07 -3.42 -6.48	59.54 -4.13 -5.57	57.61 -3.89 -5.06	56.82 -4.17 -4.61	57.72 -3.73 -5.00	59.21 -3.66 -5.74	61.75 -3.87 -6.12	59.14 -4.86 -8.16	59.67 -5.61 -7.40	59.42 -5.18 -5.72	57.87 -5.31 -6.04	56.33 -5.08 -4.91	55.93 -5.14 -4.57	55.10 -5.41 -4.13	55.13 -5.53 -4.28	55.83 -5.41 -4.85	59.71 -5.29 -6.18	67.27 -5.15 -9.60	66.81 -5.01 -9.93	61.85 -5.04 -7.57	59.06 -5.33 -5.87	57.38 -5.31 -6.19	56.10 -5.24 -4.96	57.25 -3.79 -4.48
COFFEEN___115KV_TB3 355620	63.11 2.01 -2.10	61.70 1.80 -1.80	59.78 1.69 -1.64	59.57 1.69 -1.49	59.81 1.75 -1.62	60.52 1.54 -1.86	63.38 1.90 -1.98	60.38 1.90 -2.64	62.30 2.03 -2.40	62.85 2.12 -1.85	60.93 1.83 -1.96	59.56 1.47 -1.59	59.33 1.36 -1.48	59.07 1.35 -1.34	59.12 1.35 -1.38	59.76 1.80 -1.57	63.18 2.35 -2.00	68.44 2.51 -3.11	67.65 2.54 -3.21	64.14 2.37 -2.45	62.58 2.17 -1.90	60.37 1.86 -2.00	59.57 1.58 -1.61	59.65 1.64 -1.45
COLDSPRG_115KV_BK1 355956	63.62 -2.24 -6.86	60.79 -3.20 -5.89	58.92 -2.88 -5.35	58.10 -3.16 -4.88	59.08 -2.65 -5.29	60.62 -2.57 -6.07	63.47 -2.50 -6.47	61.12 -3.35 -8.63	61.34 -3.59 -7.83	59.82 -3.71 -6.05	58.19 -3.50 -6.39	57.83 -3.50 -5.20	56.91 -3.83 -4.83	56.96 -3.95 -4.36	57.68 -3.83 -4.52	61.72 -3.65 -5.13	69.64 -3.33 -6.54	69.30 -3.09 -10.15	63.94 -3.38 -10.50	61.16 -3.57 -8.01	59.26 -3.79 -6.21	57.68 -3.95 -6.55	58.70 -5.24 -4.74	
COLONIE_LFGE___ 323577	110.57 3.01 -48.55	102.70 2.90 -41.70	97.22 2.88 -37.90	93.78 2.87 -34.53	96.78 2.88 -37.46	103.04 2.91 -43.01	108.42 3.09 -45.83	119.73 2.79 -61.09	116.38 3.07 -55.43	104.80 3.06 -42.86	105.36 2.97 -45.25	96.24 2.94 -36.80	93.65 2.94 -34.22	90.22 2.93 -30.90	91.34 2.93 -32.03	95.72 2.99 -36.35	108.31 3.17 -46.31	138.09 3.39 -71.89	139.62 3.34 -74.39	119.23 3.20 -56.71	105.59 3.10 -43.97	105.80 2.94 -46.36	96.46 2.93 -37.15	93.00 2.88 -33.56
COOPERNY_115KV_TB1 80082	91.70 3.19 -29.51	86.34 2.91 -25.34	82.24 2.77 -23.03	80.07 2.71 -20.98	82.03 2.82 -22.76	86.11 2.86 -26.13	90.26 2.92 -27.85	95.76 2.79 -37.12	94.57 3.01 -33.68	88.22 3.18 -26.16	87.61 2.97 -27.49	81.80 2.94 -22.36	80.17 2.88 -20.79	77.98 2.82 -18.78	78.66 2.82 -19.46	81.35 2.88 -22.09	90.23 3.18 -28.23	110.16 3.52 -43.82	111.12 3.47 -45.76	97.27 3.32 -34.63	88.67 3.28 -26.87	87.88 3.11 -28.27	82.06 2.99 -22.68	79.89 2.94 -20.39
COPENHAGEN_WT_PWR 323753	62.35 1.18 -2.16	61.01 1.05 -1.86	59.09 0.96 -1.69	58.88 0.96 -1.54	59.07 0.96 -1.67	59.83 0.80 -1.92	62.61 1.07 -2.04	59.68 1.12 -2.72	61.57 1.22 -2.47	62.09 1.29 -1.91	60.24 1.08 -2.02	58.99 0.85 -1.64	58.76 0.73 -1.52	58.49 0.73 -1.38	58.49 0.68 -1.43	59.07 1.07 -1.62	62.36 1.47 -2.06	67.59 1.57 -3.20	66.82 1.61 -3.31	63.26 1.42 -2.53	61.76 1.29 -1.96	59.69 1.13 -2.07	58.89 0.85 -1.66	59.02 0.96 -1.50
CORNELL_____ 23752	69.80 2.01 -8.78	67.33 1.68 -7.54	64.94 1.64 -6.86	64.15 1.52 -6.25	64.86 1.64 -6.78	66.67 1.77 -7.78	69.87 2.08 -8.29	68.62 1.73 -11.05	69.58 1.68 -10.03	68.34 1.71 -7.75	66.76 1.43 -8.18	64.63 1.47 -6.66	64.10 1.41 -6.19	63.27 1.30 -5.59	63.42 1.24 -5.79	64.43 1.47 -6.58	69.14 1.94 -8.38	78.27 2.45 -13.00	77.76 2.41 -13.46	71.83 2.25 -10.26	68.46 1.99 -7.95	66.58 1.69 -8.39	64.57 1.47 -6.72	64.38 1.75 -6.07

CORONA V_69_KV_TB1 355595	124.98 6.49 -59.48	112.00 6.10 -47.80	104.30 5.81 -42.04	99.86 5.69 -37.78	106.59 5.87 -44.28	111.99 5.94 -48.93	109.48 6.19 -43.80	118.74 5.86 -57.04	122.02 6.25 -57.89	112.47 6.54 -47.06	112.31 6.17 -49.00	108.24 6.16 -45.58	104.49 6.16 -41.83	103.51 6.09 -41.04	111.77 6.03 -49.35	115.10 6.03 -52.69	145.65 6.53 -80.30	156.10 7.22 -86.06	157.41 7.18 -88.34	152.26 6.88 -86.06	149.38 6.73 -84.13	124.78 6.38 -61.90	114.20 6.20 -51.61	109.44 6.17 -46.71
CORTLAND_115KV_TB3 80093	67.48 1.36 -7.12	65.32 1.10 -6.11	63.07 1.07 -5.56	62.40 0.96 -5.06	63.01 1.07 -5.49	64.62 1.20 -6.31	67.58 1.37 -6.72	65.91 1.12 -8.96	67.11 1.10 -8.13	66.34 1.18 -6.28	64.80 1.03 -6.63	62.91 1.02 -5.40	62.48 0.96 -5.02	61.82 0.90 -4.53	61.92 0.85 -4.70	62.67 0.96 -5.33	66.97 1.35 -6.79	74.99 1.63 -10.54	74.41 1.61 -10.91	69.11 1.48 -8.32	66.25 1.29 -6.45	64.37 1.07 -6.80	62.73 0.90 -5.45	62.61 1.13 -4.92
COXSACKIE__GT 23611	109.06 4.72 -45.33	101.97 4.94 -38.93	96.57 4.74 -35.39	93.18 4.57 -32.24	95.94 4.52 -34.97	102.01 4.74 -40.15	107.34 5.05 -42.79	117.18 4.30 -57.04	114.55 4.92 -51.76	103.90 5.00 -40.02	103.73 4.34 -42.24	95.04 4.18 -34.36	92.57 4.12 -31.95	89.18 3.95 -28.85	90.17 3.89 -29.90	94.39 4.06 -33.94	106.48 4.41 -43.24	134.90 4.96 -67.12	136.30 4.95 -69.45	116.90 4.63 -52.95	103.90 4.33 -41.05	103.80 4.01 -43.28	95.07 4.00 -34.68	91.91 4.02 -31.33
CPV_VALLEY__CC1 323721	96.42 3.54 -33.87	90.37 3.19 -29.08	85.92 3.05 -26.43	83.45 2.99 -24.08	85.67 3.10 -26.13	90.25 3.14 -29.99	94.67 3.21 -31.96	101.52 3.07 -42.61	99.89 3.36 -38.66	92.52 3.59 -30.05	92.07 3.37 -31.56	85.50 3.33 -25.67	83.69 3.33 -23.86	81.21 3.27 -21.55	81.93 3.21 -22.34	85.01 3.27 -25.35	94.78 3.53 -32.42	117.11 3.96 -50.33	118.46 3.90 -52.66	102.84 3.74 -39.79	93.09 3.69 -30.88	92.47 3.50 -32.47	85.83 3.38 -26.06	83.24 3.28 -23.40
CPV_VALLEY__CC2 323722	96.42 3.54 -33.87	90.37 3.19 -29.08	85.92 3.05 -26.43	83.45 2.99 -24.08	85.67 3.10 -26.13	90.25 3.14 -29.99	94.67 3.21 -31.96	101.52 3.07 -42.61	99.89 3.36 -38.66	92.52 3.59 -30.05	92.07 3.37 -31.56	85.50 3.33 -25.67	83.69 3.33 -23.86	81.21 3.27 -21.55	81.93 3.21 -22.34	85.01 3.27 -25.35	94.78 3.53 -32.42	117.11 3.96 -50.33	118.46 3.90 -52.66	102.84 3.74 -39.79	93.09 3.69 -30.88	92.47 3.50 -32.47	85.83 3.38 -26.06	83.24 3.28 -23.40
CRESCENT__HYD 24018	110.57 3.01 -48.55	102.70 2.90 -41.70	97.22 2.88 -37.90	93.78 2.87 -34.53	96.78 2.88 -37.46	103.04 2.91 -43.01	108.42 3.09 -45.83	119.73 2.79 -61.09	116.38 3.07 -55.43	104.80 3.06 -42.86	105.36 2.97 -45.25	96.24 2.94 -36.80	93.65 2.94 -34.22	90.22 2.93 -30.90	91.34 2.93 -32.03	95.72 2.99 -36.35	108.31 3.17 -46.31	138.09 3.39 -71.89	139.62 3.34 -74.39	119.23 3.20 -56.71	105.59 3.10 -43.97	105.80 2.94 -46.36	96.46 2.93 -37.15	93.00 2.88 -33.56
CRICKET__VALLEY_CC1 323756	104.32 3.95 -41.35	97.34 3.72 -35.51	92.34 3.62 -32.28	89.34 3.55 -29.41	91.96 3.62 -31.90	97.35 3.60 -36.63	102.34 3.81 -39.03	111.50 3.63 -52.04	109.08 3.99 -47.21	99.51 4.12 -36.51	99.62 3.94 -38.54	91.74 3.90 -31.34	89.54 3.90 -29.14	86.59 3.89 -26.32	87.55 3.89 -27.28	91.23 3.89 -30.96	102.45 4.18 -39.44	128.57 4.53 -61.23	129.71 4.46 -63.36	111.89 4.27 -48.30	100.12 4.16 -37.45	99.94 3.95 -39.49	91.91 3.89 -31.64	88.93 3.79 -28.58
CRICKET__VALLEY_CC2 323757	104.32 3.95 -41.35	97.34 3.72 -35.51	92.34 3.62 -32.28	89.34 3.55 -29.41	91.96 3.62 -31.90	97.35 3.60 -36.63	102.34 3.81 -39.03	111.50 3.63 -52.04	109.08 3.99 -47.21	99.51 4.12 -36.51	99.62 3.94 -38.54	91.74 3.90 -31.34	89.54 3.90 -29.14	86.59 3.89 -26.32	87.55 3.89 -27.28	91.23 3.89 -30.96	102.45 4.18 -39.44	128.57 4.53 -61.23	129.71 4.46 -63.36	111.89 4.27 -48.30	100.12 4.16 -37.45	99.94 3.95 -39.49	91.91 3.89 -31.64	88.93 3.79 -28.58
CRICKET__VALLEY_CC3 323758	104.32 3.95 -41.35	97.34 3.72 -35.51	92.34 3.62 -32.28	89.34 3.55 -29.41	91.96 3.62 -31.90	97.35 3.60 -36.63	102.34 3.81 -39.03	111.50 3.63 -52.04	109.08 3.99 -47.21	99.51 4.12 -36.51	99.62 3.94 -38.54	91.74 3.90 -31.34	89.54 3.90 -29.14	86.59 3.89 -26.32	87.55 3.89 -27.28	91.23 3.89 -30.96	102.45 4.18 -39.44	128.57 4.53 -61.23	129.71 4.46 -63.36	111.89 4.27 -48.30	100.12 4.16 -37.45	99.94 3.95 -39.49	91.91 3.89 -31.64	88.93 3.79 -28.58
CRUCIBLE_METL_DRP 24180	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.23 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.23 -2.53	58.73 -0.28 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.14 -0.28 -3.04	59.20 -0.11 -2.75
DAHOWA__HYDRO 323763	112.50 4.25 -49.24	104.34 3.95 -42.28	98.72 3.84 -38.43	95.28 3.89 -35.01	98.38 3.95 -37.99	104.85 4.11 -43.61	110.37 4.40 -46.48	121.76 3.97 -61.96	118.37 4.28 -56.21	106.53 4.18 -43.47	106.97 3.94 -45.88	97.60 3.79 -37.32	94.98 3.79 -34.70	91.33 3.61 -31.34	92.52 3.66 -32.48	97.25 4.00 -36.87	110.32 4.53 -46.96	140.74 5.03 -72.90	142.34 5.01 -75.43	121.46 4.63 -57.51	107.61 4.51 -44.59	107.75 4.24 -47.01	98.12 4.06 -37.67	94.49 3.90 -34.03
DANC__LFGE 323619	61.94 0.42 -2.52	60.56 0.29 -2.16	58.64 0.23 -1.97	58.35 0.17 -1.79	58.56 0.17 -1.94	59.41 0.06 -2.23	62.17 0.30 -2.38	59.24 0.22 -3.17	61.05 0.29 -2.88	61.52 0.42 -2.23	59.72 0.23 -2.35	58.58 0.17 -1.91	58.39 0.11 -1.78	58.04 0.06 -1.60	58.10 0.06 -1.66	58.55 0.28 -1.89	61.76 0.53 -2.40	67.18 0.63 -3.73	66.38 0.62 -3.86	62.79 0.53 -2.94	61.27 0.47 -2.28	59.25 0.34 -2.41	58.42 0.11 -1.93	58.53 0.23 -1.74
DANSKAMMER__1 23586	103.14 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.74 -48.78	107.35 5.21 -44.26	98.58 5.48 -34.22	98.35 5.08 -36.13	90.86 4.97 -29.38	88.79 4.97 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.42 5.82 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79
DANSKAMMER__2 23589	103.14 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.74 -48.78	107.35 5.21 -44.26	98.58 5.48 -34.22	98.35 5.08 -36.13	90.86 4.97 -29.38	88.79 4.97 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.42 5.82 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79
DANSKAMMER__3 23590	103.14 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.74 -48.78	107.35 5.21 -44.26	98.58 5.48 -34.22	98.35 5.08 -36.13	90.86 4.97 -29.38	88.79 4.97 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.42 5.82 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79

DANSKAMMER___4 23591	103.14 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.74 -48.78	107.35 5.21 -44.26	98.58 5.48 -34.22	98.35 5.08 -36.13	90.86 4.97 -29.38	88.79 4.97 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.42 5.82 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79
DANSKAMMER___DIESEL 23592	103.15 5.37 -38.77	96.39 5.00 -33.29	91.45 4.74 -30.26	88.58 4.62 -27.57	90.98 4.63 -29.91	96.20 4.74 -34.34	101.03 4.94 -36.59	109.37 4.75 -48.78	107.35 5.21 -44.26	98.52 5.42 -34.22	98.36 5.09 -36.13	90.86 4.97 -29.38	88.73 4.92 -27.32	85.85 4.79 -24.68	86.69 4.74 -25.57	90.26 4.85 -29.03	101.27 5.47 -36.98	126.31 6.09 -57.40	127.36 6.07 -59.40	110.41 5.81 -45.28	99.24 5.62 -35.11	98.83 5.31 -37.02	91.18 5.13 -29.66	88.33 4.98 -26.79
DARBY___SOLAR 323810	112.16 4.01 -49.14	104.02 3.72 -42.20	98.47 3.67 -38.36	94.99 3.66 -34.94	98.08 3.72 -37.91	104.53 3.89 -43.53	109.98 4.10 -46.39	121.42 3.74 -61.83	118.03 4.05 -56.10	106.21 3.95 -43.38	106.71 3.77 -45.79	97.36 3.62 -37.25	94.75 3.62 -34.63	91.16 3.50 -31.28	92.35 3.55 -32.42	97.01 3.84 -36.79	109.99 4.29 -46.87	140.29 4.71 -72.76	141.88 4.70 -75.29	121.04 4.33 -57.40	107.23 4.22 -44.50	107.37 3.95 -46.92	97.82 3.84 -37.60	94.26 3.73 -33.96
DASHVILLE___HYD 23610	102.91 3.84 -40.06	95.93 3.43 -34.40	90.99 3.27 -31.27	87.97 3.10 -28.49	90.51 3.16 -30.91	95.80 3.20 -35.49	100.64 3.33 -37.82	109.60 3.35 -50.41	107.38 3.76 -45.74	98.13 3.89 -35.37	98.13 3.66 -37.33	90.42 3.56 -30.37	88.23 3.50 -28.23	85.27 3.38 -25.50	86.14 3.33 -26.43	89.82 3.44 -30.00	101.10 4.06 -38.21	126.72 4.59 -59.32	127.79 4.52 -61.38	110.50 4.39 -46.80	99.07 4.27 -36.28	98.71 3.95 -38.25	90.81 3.78 -30.65	87.81 3.56 -27.69
DEERFIELD_69_KV_DEERFIELD LD 355887	126.75 8.26 -59.48	113.80 7.90 -47.80	105.99 7.51 -42.04	101.61 7.44 -37.78	108.34 7.62 -44.28	113.77 7.71 -48.93	110.49 7.20 -43.80	119.74 6.87 -57.04	122.89 7.12 -57.89	113.59 7.65 -47.06	114.26 8.11 -49.00	109.76 7.68 -45.58	106.07 7.74 -41.83	105.15 7.72 -41.04	113.34 7.61 -49.35	117.13 8.06 -52.69	147.36 8.24 -80.30	158.43 9.55 -86.06	159.33 9.10 -88.34	153.92 8.54 -86.06	150.90 8.25 -84.13	126.25 7.85 -61.90	115.66 7.67 -51.61	111.02 7.75 -46.71
DELAWARE___LFGE 323621	79.24 3.19 -17.05	75.59 2.85 -14.64	72.52 2.77 -13.31	71.21 2.71 -12.12	72.42 2.82 -13.15	75.08 2.86 -15.10	78.68 3.09 -16.09	80.14 2.85 -21.45	80.35 3.01 -19.46	77.11 3.18 -15.05	75.94 2.91 -15.89	72.19 2.77 -12.92	71.23 2.71 -12.01	69.88 2.65 -10.85	70.22 2.59 -11.25	71.86 2.71 -12.77	78.20 3.12 -16.26	91.51 3.45 -25.24	91.48 3.47 -26.12	82.49 3.26 -19.91	77.06 3.10 -15.44	75.72 2.94 -16.28	72.19 2.76 -13.04	71.23 2.88 -11.78
DERFIELD_115KV_TB7 355931	60.01 1.00 0.00	58.97 0.87 0.00	57.29 0.85 0.00	57.23 0.85 0.00	57.35 0.90 0.00	58.03 0.91 0.00	60.51 1.01 0.00	56.68 0.84 0.00	58.80 0.93 0.00	59.88 1.00 0.00	58.06 0.91 0.00	57.35 0.85 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	59.77 0.94 0.00	63.88 1.07 0.00	62.95 1.05 0.00	60.26 0.95 0.00	59.39 0.88 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.47 0.90 0.00
DOGLEVILLE___HYD 23807	61.31 2.30 0.00	60.25 2.15 0.00	58.47 2.03 0.00	58.41 2.03 0.00	58.59 2.14 0.00	59.34 2.23 0.00	61.88 2.38 0.00	58.02 2.18 0.00	60.20 2.32 0.00	61.35 2.47 0.00	59.43 2.29 0.00	58.70 2.20 0.00	58.59 2.09 0.00	58.41 2.03 0.00	58.41 2.03 0.00	58.30 1.92 0.00	61.06 2.23 0.00	65.26 2.45 0.00	64.31 2.41 0.00	61.63 2.31 0.00	60.74 2.22 0.00	58.87 2.37 0.00	58.75 2.37 0.00	59.05 2.49 0.00
DUNKIRK___115KV_TB_200 55889	62.72 -2.83 -6.54	60.12 -3.60 -5.62	58.16 -3.39 -5.11	57.43 -3.61 -4.65	58.33 -3.16 -5.05	59.83 -3.08 -5.80	62.46 -3.21 -6.17	59.89 -4.19 -8.23	60.49 -4.86 -7.47	60.18 -4.48 -5.78	58.67 -4.57 -6.10	57.11 -4.35 -4.96	56.70 -4.41 -4.61	55.92 -4.62 -4.16	55.91 -4.79 -4.32	56.60 -4.68 -4.90	60.54 -4.53 -6.24	68.17 -4.33 -9.69	67.71 -4.21 -10.02	62.69 -4.27 -7.64	59.88 -4.56 -5.93	58.11 -4.63 -6.25	56.76 -4.62 -5.00	57.86 -3.22 -4.52
DUNKIRK___1 23563	62.72 -2.83 -6.54	60.12 -3.60 -5.62	58.16 -3.39 -5.11	57.43 -3.61 -4.65	58.33 -3.16 -5.05	59.83 -3.08 -5.80	62.46 -3.21 -6.17	59.89 -4.19 -8.23	60.49 -4.86 -7.47	60.18 -4.48 -5.78	58.67 -4.57 -6.10	57.11 -4.35 -4.96	56.70 -4.41 -4.61	55.92 -4.62 -4.16	55.91 -4.79 -4.32	56.60 -4.68 -4.90	60.54 -4.53 -6.24	68.17 -4.33 -9.69	67.71 -4.21 -10.02	62.69 -4.27 -7.64	59.88 -4.56 -5.93	58.11 -4.63 -6.25	56.76 -4.62 -5.00	57.86 -3.22 -4.52
DUNKIRK___2 23564	62.72 -2.83 -6.54	60.12 -3.60 -5.62	58.16 -3.39 -5.11	57.43 -3.61 -4.65	58.33 -3.16 -5.05	59.83 -3.08 -5.80	62.46 -3.21 -6.17	59.89 -4.19 -8.23	60.49 -4.86 -7.47	60.18 -4.48 -5.78	58.67 -4.57 -6.10	57.11 -4.35 -4.96	56.70 -4.41 -4.61	55.92 -4.62 -4.16	55.91 -4.79 -4.32	56.60 -4.68 -4.90	60.54 -4.53 -6.24	68.17 -4.33 -9.69	67.71 -4.21 -10.02	62.69 -4.27 -7.64	59.88 -4.56 -5.93	58.11 -4.63 -6.25	56.76 -4.62 -5.00	57.86 -3.22 -4.52
DUNKIRK___3 23565	62.60 -2.95 -6.55	60.01 -3.72 -5.62	58.06 -3.50 -5.11	57.26 -3.78 -4.66	58.22 -3.27 -5.05	59.72 -3.20 -5.80	62.34 -3.33 -6.18	59.78 -4.30 -8.24	60.38 -4.98 -7.48	60.13 -4.53 -5.78	58.56 -4.69 -6.10	57.00 -4.46 -4.96	56.59 -4.52 -4.61	55.76 -4.79 -4.17	55.80 -4.91 -4.32	56.49 -4.79 -4.90	60.42 -4.65 -6.25	68.05 -4.46 -9.70	67.59 -4.33 -10.03	62.57 -4.39 -7.65	59.82 -4.62 -5.93	58.06 -4.69 -6.25	56.71 -4.68 -5.01	57.75 -3.34 -4.53
DUNKIRK___4 23566	62.40 -3.01 -6.40	59.82 -3.78 -5.50	57.94 -3.50 -5.00	57.16 -3.78 -4.55	58.05 -3.33 -4.94	59.53 -3.26 -5.67	62.15 -3.39 -6.04	59.48 -4.41 -8.06	60.09 -5.09 -7.31	59.88 -4.65 -5.65	58.31 -4.80 -5.97	56.78 -4.58 -4.85	56.38 -4.63 -4.51	55.61 -4.85 -4.07	55.59 -5.02 -4.22	56.27 -4.91 -4.79	60.17 -4.76 -6.11	67.71 -4.59 -9.48	67.31 -4.39 -9.81	62.28 -4.51 -7.48	59.57 -4.74 -5.80	57.81 -4.80 -6.11	56.43 -4.85 -4.90	57.59 -3.39 -4.42
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	103.34 5.31 -39.02	96.40 4.94 -33.36	91.45 4.68 -30.32	88.58 4.57 -27.63	91.16 4.74 -29.97	96.33 4.80 -34.41	101.16 5.00 -36.67	109.47 4.75 -48.88	107.32 5.09 -44.35	101.43 5.36 -37.19	98.43 5.09 -36.20	90.97 5.03 -29.44	88.90 5.03 -27.38	86.07 4.96 -24.73	86.91 4.91 -25.63	90.43 4.96 -29.09	103.55 5.35 -39.37	129.78 5.90 -61.06	141.58 5.82 -73.87	114.54 5.58 -49.65	103.08 5.44 -39.12	101.28 5.20 -39.58	94.00 5.07 -32.54	88.39 4.98 -26.85
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	101.39 4.66 -37.72	94.73 4.24 -32.39	89.95 4.06 -29.44	87.15 3.95 -26.82	89.55 4.01 -29.10	94.64 4.11 -33.41	99.32 4.22 -35.60	107.38 4.08 -47.46	105.40 4.46 -43.06	96.92 4.65 -33.39	96.63 4.34 -35.15	89.38 4.29 -28.59	87.32 4.24 -26.58	84.56 4.17 -24.01	85.32 4.06 -24.88	88.80 4.17 -28.24	99.58 4.71 -36.05	123.99 5.21 -55.95	125.32 5.20 -58.23	108.49 4.98 -44.19	97.65 4.86 -34.28	97.17 4.58 -36.09	89.78 4.45 -28.95	86.93 4.30 -26.07

E179THST_138_KV_TB4_REV_LBMP_J 345001	103.61 5.61 -38.99	96.70 5.17 -33.43	91.81 5.02 -30.34	88.87 4.85 -27.64	91.45 5.02 -29.98	96.68 5.08 -34.48	101.41 5.24 -36.68	109.98 5.03 -49.11	108.62 5.38 -45.36	101.07 5.59 -36.60	100.30 5.26 -37.90	93.31 5.20 -31.61	90.74 5.31 -28.93	88.12 5.24 -26.49	88.93 5.19 -27.36	92.45 5.19 -30.88	103.37 5.65 -38.90	129.36 6.22 -60.33	141.24 6.19 -73.16	114.13 5.93 -48.88	102.56 5.73 -38.31	101.06 5.48 -39.08	93.72 5.36 -31.98	88.68 5.26 -26.86
E179THST_13_KV_LOAD 356214	103.90 5.90 -38.99	96.99 5.46 -33.43	92.03 5.25 -30.34	89.10 5.07 -27.64	91.67 5.25 -29.98	96.91 5.31 -34.48	101.65 5.47 -36.68	110.20 5.25 -49.11	108.85 5.61 -45.36	101.31 5.83 -36.60	100.58 5.54 -37.90	93.59 5.48 -31.61	91.02 5.59 -28.93	88.40 5.53 -26.49	89.21 5.47 -27.36	92.73 5.47 -30.88	103.67 5.94 -38.90	129.68 6.53 -60.33	141.55 6.50 -73.16	114.43 6.23 -48.88	102.86 6.03 -38.31	101.34 5.76 -39.08	93.94 5.58 -31.98	88.96 5.54 -26.86
EAST HAMPTON___GT 23717	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.39 8.34 -48.93	111.15 7.85 -43.80	120.41 7.54 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.68 -49.00	110.27 8.19 -45.58	106.58 8.25 -41.83	105.60 8.17 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.51 10.28 -88.34	154.63 9.25 -86.06	151.54 8.89 -84.13	126.87 8.47 -61.90	116.40 8.40 -51.61	111.53 8.26 -46.71
EAST RIVER___6 23660	105.57 5.79 -40.78	98.08 5.40 -34.58	91.86 5.08 -30.33	88.98 4.96 -27.63	91.58 5.14 -30.00	98.13 5.31 -35.70	101.70 5.47 -36.73	114.34 5.19 -53.30	127.94 5.56 -64.50	130.98 5.83 -66.27	132.41 5.60 -69.67	134.28 5.54 -72.24	120.01 5.54 -57.97	121.41 5.47 -59.56	121.65 5.47 -59.80	126.32 5.47 -64.47	127.22 5.94 -62.46	165.49 6.53 -96.14	168.34 6.44 -100.01	151.93 6.17 -86.45	142.76 6.03 -78.21	126.64 5.70 -64.44	122.67 5.58 -60.70	88.91 5.43 -26.92
EAST RIVER___7 23524	105.57 5.79 -40.78	98.08 5.40 -34.58	91.86 5.08 -30.33	88.98 4.96 -27.63	91.58 5.14 -30.00	98.13 5.31 -35.70	101.70 5.47 -36.73	114.34 5.19 -53.30	127.94 5.56 -64.50	130.98 5.83 -66.27	132.41 5.60 -69.67	134.28 5.54 -72.24	120.01 5.54 -57.97	121.41 5.47 -59.56	121.65 5.47 -59.80	126.32 5.47 -64.47	127.22 5.94 -62.46	165.49 6.53 -96.14	168.34 6.44 -100.01	151.93 6.17 -86.45	142.76 6.03 -78.21	126.64 5.70 -64.44	122.67 5.58 -60.70	88.91 5.43 -26.92
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	102.99 5.13 -38.85	96.12 4.71 -33.31	91.19 4.52 -30.23	88.32 4.40 -27.54	90.84 4.52 -29.88	96.11 4.63 -34.36	100.81 4.76 -36.56	109.35 4.58 -48.93	107.92 4.92 -45.12	100.25 5.12 -36.24	99.65 4.91 -37.59	92.63 4.86 -31.27	90.02 4.86 -28.66	87.39 4.79 -26.21	88.20 4.74 -27.08	91.70 4.74 -30.59	102.58 5.18 -38.57	128.36 5.72 -59.83	131.75 5.63 -64.22	112.71 5.40 -48.00	101.69 5.33 -37.85	100.27 5.03 -38.74	92.91 4.91 -31.63	88.14 4.81 -26.77
EAST_HAMPTON___DIESEL 23722	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.39 8.34 -48.93	111.15 7.85 -43.80	120.36 7.49 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.68 -49.00	110.27 8.19 -45.58	106.58 8.25 -41.83	105.60 8.17 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.44 10.21 -88.34	154.63 9.25 -86.06	151.54 8.89 -84.13	126.87 8.47 -61.90	116.40 8.40 -51.61	111.53 8.26 -46.71
EAST_PULASKI___ESR 323781	61.63 -0.24 -2.86	60.15 -0.41 -2.46	58.23 -0.45 -2.23	57.97 -0.45 -2.03	58.14 -0.51 -2.21	59.08 -0.57 -2.53	61.78 -0.42 -2.70	58.99 -0.45 -3.60	60.68 -0.46 -3.27	61.11 -0.29 -2.53	59.41 -0.40 -2.67	58.27 -0.40 -2.17	58.06 -0.45 -2.02	57.70 -0.51 -1.82	57.71 -0.56 -1.89	58.13 -0.39 -2.14	61.32 -0.24 -2.73	66.86 -0.19 -4.24	66.15 -0.12 -4.38	62.48 -0.18 -3.34	60.87 -0.23 -2.59	58.89 -0.34 -2.73	58.06 -0.51 -2.19	58.14 -0.40 -1.98
EAST_RIVER___1 323558	105.51 5.72 -40.78	97.97 5.29 -34.58	91.80 5.02 -30.33	88.92 4.90 -27.63	91.47 5.02 -30.00	98.01 5.20 -35.70	101.59 5.36 -36.73	114.28 5.13 -53.30	127.82 5.44 -64.50	130.93 5.77 -66.27	132.29 5.49 -69.67	134.16 5.42 -72.24	119.90 5.42 -57.97	121.30 5.36 -59.56	121.54 5.36 -59.80	126.21 5.36 -64.47	127.05 5.77 -62.46	165.30 6.34 -96.14	168.15 6.25 -100.01	151.75 5.99 -86.45	142.58 5.85 -78.21	126.53 5.59 -64.44	122.50 5.41 -60.70	88.79 5.32 -26.92
EAST_RIVER___2 323559	105.57 5.79 -40.78	98.08 5.40 -34.58	91.86 5.08 -30.33	88.98 4.96 -27.63	91.58 5.14 -30.00	98.13 5.31 -35.70	101.70 5.47 -36.73	114.34 5.19 -53.30	127.94 5.56 -64.50	130.98 5.83 -66.27	132.41 5.60 -69.67	134.28 5.54 -72.24	120.01 5.54 -57.97	121.41 5.47 -59.56	121.65 5.47 -59.80	126.32 5.47 -64.47	127.22 5.94 -62.46	165.49 6.53 -96.14	168.34 6.44 -100.01	151.93 6.17 -86.45	142.76 6.03 -78.21	126.64 5.70 -64.44	122.67 5.58 -60.70	88.91 5.43 -26.92
EAST___DELAWARE_HYD 23607	98.50 4.43 -35.07	92.22 4.01 -30.11	87.60 3.78 -27.37	84.93 3.61 -24.94	87.17 3.67 -27.06	91.89 3.71 -31.06	96.58 3.99 -33.10	103.82 3.85 -44.13	102.08 4.17 -40.04	94.20 4.36 -30.96	93.76 3.94 -32.68	86.87 3.79 -26.58	83.41 2.20 -24.71	80.73 2.03 -22.32	81.60 2.09 -23.13	84.90 2.26 -26.26	95.21 2.94 -33.45	118.19 3.45 -51.92	119.02 3.40 -53.73	103.60 3.32 -40.96	95.01 4.74 -31.76	94.39 4.41 -33.48	87.39 4.17 -26.83	84.81 4.02 -24.24
EIGHT_POINT___WT_PWR 323820	66.51 -0.47 -7.98	63.97 -0.99 -6.85	61.77 -0.91 -6.23	60.99 -1.07 -5.68	61.87 -0.74 -6.16	63.67 -0.52 -7.07	66.62 -0.41 -7.53	64.82 -1.06 -10.04	65.49 -1.51 -9.11	64.63 -1.30 -7.05	62.92 -1.66 -7.44	61.03 -1.52 -6.05	60.71 -1.41 -5.62	59.83 -1.64 -5.08	60.13 -1.52 -5.26	61.12 -1.24 -5.98	65.67 -0.77 -7.61	74.38 -0.25 -11.82	73.94 -0.19 -12.23	68.16 -0.48 -9.32	64.93 -0.82 -7.23	63.05 -1.08 -7.62	61.25 -1.24 -6.11	61.74 -0.34 -5.52
ELBRIDGE_115KV_TB2 80188	62.92 -0.30 -4.21	61.25 -0.46 -3.62	59.22 -0.51 -3.29	58.81 -0.56 -2.99	59.19 -0.51 -3.25	60.45 -0.40 -3.73	63.17 -0.30 -3.97	60.64 -0.50 -5.30	62.11 -0.58 -4.81	62.19 -0.41 -3.72	60.50 -0.57 -3.92	59.18 -0.51 -3.19	58.90 -0.56 -2.97	58.44 -0.62 -2.68	58.48 -0.68 -2.78	58.97 -0.56 -3.15	62.43 -0.41 -4.02	68.86 -0.19 -6.23	68.16 -0.19 -6.45	64.00 -0.24 -4.92	61.98 -0.35 -3.81	60.01 -0.51 -4.02	58.98 -0.62 -3.22	59.07 -0.40 -2.91
ELEC_TRO_TEK 24086	124.62 6.14 -59.48	111.65 5.75 -47.80	103.96 5.48 -42.04	99.52 5.36 -37.78	106.25 5.53 -44.28	111.71 5.65 -48.93	109.12 5.83 -43.80	118.40 5.53 -57.04	121.67 5.90 -57.89	112.12 6.18 -47.06	112.03 5.89 -49.00	107.96 5.88 -45.58	104.15 5.82 -41.83	103.17 5.75 -41.04	111.43 5.69 -49.35	114.82 5.75 -52.69	145.30 6.18 -80.30	155.66 6.78 -86.06	156.98 6.75 -88.34	151.84 6.47 -86.06	148.97 6.32 -84.13	124.38 5.99 -61.90	113.86 5.86 -51.61	109.04 5.77 -46.71
ELLENBURG_WT_PWR 323604	57.95 -1.06 0.00	57.52 -0.58 0.00	55.77 -0.67 0.00	55.54 -0.84 0.00	55.43 -1.01 0.00	55.92 -1.20 0.00	57.47 -2.02 0.00	54.34 -1.51 0.00	56.32 -1.56 0.00	57.06 -1.83 0.00	55.54 -1.60 0.00	54.98 -1.52 0.00	54.92 -1.58 0.00	54.52 -1.86 0.00	54.63 -1.75 0.00	54.98 -1.41 0.00	57.36 -1.47 0.00	60.87 -1.95 0.00	59.73 -2.17 0.00	57.24 -2.08 0.00	56.76 -1.75 0.00	54.86 -1.64 0.00	54.80 -1.58 0.00	55.15 -1.41 0.00

ELM_ST_23_KV_LD_REV_LBMP_A 345012	61.62 -3.54 -6.15	59.20 -4.18 -5.28	57.24 -4.01 -4.80	56.53 -4.23 -4.37	57.35 -3.84 -4.74	58.85 -3.71 -5.45	61.25 -4.05 -5.80	58.50 -5.08 -7.74	59.11 -5.79 -7.02	58.89 -5.42 -5.43	57.33 -5.54 -5.73	55.79 -5.37 -4.66	55.41 -5.42 -4.33	54.66 -5.64 -3.91	54.69 -5.75 -4.06	55.35 -5.64 -4.60	59.10 -5.59 -5.87	66.39 -5.53 -9.10	65.99 -5.32 -9.42	61.16 -5.34 -7.18	58.53 -5.56 -5.57	56.83 -5.54 -5.87	55.67 -5.41 -4.70	56.85 -3.96 -4.25
EMPIRE_CC_1 323656	107.73 2.48 -46.25	100.31 2.50 -39.72	94.97 2.43 -36.10	91.69 2.42 -32.89	94.55 2.43 -35.68	100.54 2.45 -40.96	105.65 2.50 -43.66	116.10 2.07 -58.19	113.00 2.32 -52.80	102.07 2.36 -40.83	102.75 2.51 -43.10	94.10 2.54 -35.05	91.64 2.54 -32.59	88.36 2.54 -29.44	89.43 2.54 -30.51	93.49 2.48 -34.63	105.41 2.47 -44.11	133.74 2.45 -68.48	135.10 2.35 -70.86	115.59 2.25 -54.02	102.62 2.22 -41.88	103.03 2.37 -44.16	94.19 2.42 -35.39	90.90 2.38 -31.96
EMPIRE_CC_2 323658	107.73 2.48 -46.25	100.31 2.50 -39.72	94.97 2.43 -36.10	91.69 2.42 -32.89	94.55 2.43 -35.68	100.54 2.45 -40.96	105.65 2.50 -43.66	116.10 2.07 -58.19	113.00 2.32 -52.80	102.07 2.36 -40.83	102.75 2.51 -43.10	94.10 2.54 -35.05	91.64 2.54 -32.59	88.36 2.54 -29.44	89.43 2.54 -30.51	93.49 2.48 -34.63	105.41 2.47 -44.11	133.74 2.45 -68.48	135.10 2.35 -70.86	115.59 2.25 -54.02	102.62 2.22 -41.88	103.03 2.37 -44.16	94.19 2.42 -35.39	90.90 2.38 -31.96
ENORWICH_115KV_TB1 80156	77.92 6.73 -12.18	74.78 6.22 -10.46	71.99 6.04 -9.51	70.74 5.69 -8.66	71.66 5.81 -9.40	73.91 6.00 -10.79	77.72 6.72 -11.50	77.42 6.25 -15.33	78.04 6.25 -13.91	75.88 6.24 -10.75	73.92 5.43 -11.35	70.82 5.08 -9.23	70.00 4.92 -8.58	68.70 4.57 -7.75	69.04 4.62 -8.04	70.64 5.13 -9.12	76.91 6.47 -11.62	88.14 7.29 -18.04	87.98 7.43 -18.66	80.42 6.88 -14.23	75.93 6.38 -11.03	74.01 5.88 -11.63	71.17 5.47 -9.32	71.09 6.11 -8.42
ERIE_ST__34_KV_TB1-2 80199	61.63 -3.72 -6.34	59.07 -4.47 -5.45	57.16 -4.23 -4.95	56.38 -4.51 -4.51	57.27 -4.06 -4.89	58.74 -4.00 -5.62	61.31 -4.16 -5.98	58.74 -5.08 -7.98	59.33 -5.79 -7.24	59.06 -5.42 -5.60	57.57 -5.49 -5.91	55.99 -5.31 -4.81	55.60 -5.37 -4.47	54.84 -5.58 -4.04	54.87 -5.69 -4.18	55.55 -5.58 -4.75	59.40 -5.47 -6.05	66.87 -5.34 -9.39	66.41 -5.20 -9.72	61.50 -5.22 -7.41	58.82 -5.44 -5.74	57.07 -5.48 -6.05	55.76 -5.47 -4.85	56.87 -4.07 -4.38
ERIE_WT_PWR 323693	61.92 -3.36 -6.27	59.48 -4.01 -5.39	57.56 -3.78 -4.90	56.79 -4.06 -4.46	57.62 -3.67 -4.84	59.14 -3.54 -5.56	61.61 -3.81 -5.92	58.93 -4.80 -7.90	59.49 -5.56 -7.16	59.36 -5.06 -5.54	57.73 -5.26 -5.85	56.17 -5.08 -4.76	55.89 -5.03 -4.42	55.02 -5.36 -3.99	55.22 -5.30 -4.14	55.72 -5.36 -4.70	59.52 -5.29 -5.98	66.96 -5.15 -9.29	66.55 -4.95 -9.61	61.60 -5.04 -7.33	58.93 -5.27 -5.68	57.24 -5.25 -5.99	55.99 -5.19 -4.80	57.16 -3.73 -4.34
ESPRGFLD_115KV_TB1 80157	63.65 4.01 -0.63	62.24 3.60 -0.54	60.43 3.50 -0.49	60.21 3.38 -0.45	60.43 3.50 -0.48	61.39 3.71 -0.56	64.19 4.11 -0.59	60.48 3.85 -0.79	62.71 4.11 -0.72	63.56 4.12 -0.55	61.44 3.71 -0.59	60.48 3.50 -0.48	60.33 3.39 -0.44	60.00 3.21 -0.40	60.07 3.27 -0.41	60.35 3.50 -0.47	63.78 4.35 -0.60	68.65 4.90 -0.93	67.81 4.95 -0.96	64.56 4.51 -0.73	63.36 4.27 -0.57	61.17 4.07 -0.60	60.59 3.72 -0.48	60.73 3.73 -0.43
ETNA_115_KV_TB1_REV_LBMP_C 345029	69.65 1.89 -8.75	67.24 1.63 -7.51	64.86 1.58 -6.83	64.07 1.47 -6.22	64.78 1.58 -6.75	66.53 1.66 -7.75	69.72 1.96 -8.26	68.53 1.68 -11.01	69.43 1.56 -9.99	68.26 1.65 -7.72	66.67 1.37 -8.15	64.54 1.41 -6.63	64.02 1.36 -6.17	63.19 1.24 -5.57	63.34 1.18 -5.77	64.29 1.35 -6.55	69.05 1.88 -8.35	78.10 2.32 -12.96	77.59 2.29 -13.41	71.67 2.14 -10.22	68.31 1.87 -7.92	66.49 1.64 -8.36	64.43 1.35 -6.70	64.31 1.70 -6.05
ETNA____115KV_TB2 80207	69.65 1.89 -8.75	67.24 1.63 -7.51	64.86 1.58 -6.83	64.07 1.47 -6.22	64.78 1.58 -6.75	66.53 1.66 -7.75	69.72 1.96 -8.26	68.53 1.68 -11.01	69.43 1.56 -9.99	68.26 1.65 -7.72	66.67 1.37 -8.15	64.54 1.41 -6.63	64.02 1.36 -6.17	63.19 1.24 -5.57	63.34 1.18 -5.77	64.29 1.35 -6.55	69.05 1.88 -8.35	78.10 2.32 -12.96	77.59 2.29 -13.41	71.67 2.14 -10.22	68.31 1.87 -7.92	66.49 1.64 -8.36	64.43 1.35 -6.70	64.31 1.70 -6.05
EUCLID__115KV_TB2 356179	61.57 -0.77 -3.33	60.03 -0.93 -2.86	58.09 -0.96 -2.60	57.79 -0.96 -2.37	58.06 -0.96 -2.57	59.21 -0.86 -2.95	61.81 -0.83 -3.15	59.09 -0.95 -4.19	60.64 -1.04 -3.81	60.94 -0.88 -2.94	59.28 -0.97 -3.11	58.07 -0.96 -2.53	57.89 -0.96 -2.35	57.49 -1.01 -2.12	57.51 -1.07 -2.20	57.86 -1.01 -2.50	61.12 -0.88 -3.18	67.00 -0.75 -4.93	66.26 -0.74 -5.11	62.44 -0.77 -3.89	60.66 -0.88 -3.02	58.72 -0.96 -3.18	57.86 -1.07 -2.55	58.02 -0.85 -2.30
E_CANADA_CAP_HY 24051	120.20 4.31 -56.89	110.96 4.01 -48.85	104.69 3.84 -44.41	100.67 3.84 -40.46	104.29 3.95 -43.89	111.68 4.17 -50.39	117.84 4.64 -53.70	131.67 4.24 -71.59	127.35 4.52 -64.95	113.52 4.42 -50.22	114.16 4.00 -53.01	103.41 3.79 -43.12	100.32 3.73 -40.09	96.15 3.55 -36.21	97.63 3.72 -37.53	102.87 3.89 -42.60	117.85 4.76 -54.26	152.45 5.40 -84.23	154.50 5.45 -87.16	130.69 4.92 -66.45	114.72 4.68 -51.52	115.45 4.63 -54.32	104.14 4.23 -43.53	99.95 4.07 -39.32
E_CANADA_MHWK_HY 24050	61.31 2.30 0.00	60.25 2.15 0.00	58.47 2.03 0.00	58.41 2.03 0.00	58.59 2.14 0.00	59.34 2.23 0.00	61.88 2.38 0.00	58.02 2.18 0.00	60.20 2.32 0.00	61.35 2.47 0.00	59.43 2.29 0.00	58.70 2.20 0.00	58.59 2.09 0.00	58.41 2.03 0.00	58.41 2.03 0.00	58.30 1.92 0.00	61.06 2.23 0.00	65.26 2.45 0.00	64.31 2.41 0.00	61.63 2.31 0.00	60.74 2.22 0.00	58.87 2.37 0.00	58.75 2.37 0.00	59.05 2.49 0.00
E_FISHKILL__LBMP 23776	103.39 4.37 -40.01	96.54 4.07 -34.37	91.58 3.89 -31.24	88.68 3.83 -28.46	91.22 3.89 -30.88	96.51 3.94 -35.45	101.38 4.11 -37.78	110.11 3.91 -50.36	107.80 4.23 -45.70	98.45 4.42 -35.15	98.67 4.23 -37.30	91.02 4.18 -30.34	88.89 4.18 -28.20	85.98 4.12 -25.48	86.84 4.06 -26.40	90.47 4.12 -29.97	101.33 4.47 -38.03	126.75 4.90 -59.04	127.13 4.83 -60.41	110.42 4.63 -46.48	99.08 4.56 -36.00	98.85 4.29 -38.06	91.06 4.23 -30.44	88.35 4.13 -27.66
FALCON__SEABRD_CC1 323796	58.89 -0.12 0.00	58.39 0.29 0.00	56.61 0.17 0.00	56.33 -0.06 0.00	56.28 -0.17 0.00	56.78 -0.34 0.00	58.01 -1.49 0.00	54.84 -1.00 0.00	56.89 -0.98 0.00	57.59 -1.30 0.00	56.05 -1.09 0.00	55.48 -1.02 0.00	55.42 -1.08 0.00	55.03 -1.35 0.00	55.14 -1.24 0.00	55.48 -0.90 0.00	57.94 -0.88 0.00	61.49 -1.32 0.00	60.35 -1.54 0.00	57.77 -1.54 0.00	57.35 -1.17 0.00	55.37 -1.13 0.00	55.26 -1.13 0.00	56.05 -0.51 0.00
FALCON__SEABRD_CC2 323797	58.89 -0.12 0.00	58.39 0.29 0.00	56.61 0.17 0.00	56.33 -0.06 0.00	56.28 -0.17 0.00	56.78 -0.34 0.00	58.01 -1.49 0.00	54.84 -1.00 0.00	56.89 -0.98 0.00	57.59 -1.30 0.00	56.05 -1.09 0.00	55.48 -1.02 0.00	55.42 -1.08 0.00	55.03 -1.35 0.00	55.14 -1.24 0.00	55.48 -0.90 0.00	57.94 -0.88 0.00	61.49 -1.32 0.00	60.35 -1.54 0.00	57.77 -1.54 0.00	57.35 -1.17 0.00	55.37 -1.13 0.00	55.26 -1.13 0.00	56.05 -0.51 0.00

FAR ROCKAWAY___4 23548	125.51 7.02 -59.48	112.47 6.57 -47.80	104.80 6.32 -42.04	100.31 6.15 -37.78	107.04 6.32 -44.28	112.51 6.45 -48.93	110.02 6.72 -43.80	119.24 6.37 -57.04	122.54 6.77 -57.89	113.00 7.07 -47.06	112.83 6.69 -49.00	108.75 6.67 -45.58	105.00 6.67 -41.83	104.02 6.60 -41.04	112.22 6.48 -49.35	115.61 6.54 -52.69	146.24 7.12 -80.30	156.73 7.85 -86.06	158.03 7.80 -88.34	152.85 7.47 -86.06	149.90 7.26 -84.13	125.29 6.89 -61.90	114.71 6.71 -51.61	109.89 6.62 -46.71
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	105.60 5.72 -40.87	98.08 5.35 -34.64	91.80 5.02 -30.33	88.98 4.96 -27.64	91.53 5.08 -30.00	98.13 5.25 -35.76	101.65 5.41 -36.74	114.49 5.14 -53.51	128.83 5.50 -65.45	132.40 5.77 -67.75	133.87 5.49 -71.24	136.24 5.48 -74.26	121.34 5.42 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.87 5.36 -66.13	128.28 5.82 -63.63	167.09 6.34 -97.92	169.96 6.31 -101.75	153.70 6.05 -88.33	144.62 5.91 -80.19	127.79 5.59 -65.70	123.98 5.47 -62.13	88.85 5.37 -26.92
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	105.60 5.72 -40.87	98.08 5.35 -34.64	91.86 5.08 -30.33	88.98 4.96 -27.64	91.53 5.08 -30.00	98.13 5.25 -35.76	101.65 5.41 -36.74	114.49 5.14 -53.51	128.83 5.50 -65.45	132.40 5.77 -67.75	133.87 5.49 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.31 -101.75	153.70 6.05 -88.33	144.62 5.91 -80.19	127.85 5.65 -65.70	123.98 5.47 -62.13	88.85 5.37 -26.92
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	105.60 5.72 -40.87	98.02 5.29 -34.64	91.80 5.02 -30.33	88.92 4.91 -27.64	91.47 5.02 -30.00	98.07 5.20 -35.76	101.59 5.35 -36.74	114.49 5.14 -53.51	128.77 5.44 -65.45	132.34 5.71 -67.75	133.87 5.49 -71.24	136.18 5.42 -74.26	121.34 5.42 -59.41	122.94 5.36 -61.20	123.09 5.30 -61.41	127.87 5.36 -66.13	128.22 5.76 -63.63	167.09 6.34 -97.92	169.89 6.25 -101.75	153.64 5.99 -88.33	144.56 5.85 -80.19	127.79 5.59 -65.70	123.92 5.41 -62.13	88.85 5.37 -26.92
FARRAGUT___LBMP 323566	105.54 5.66 -40.87	98.02 5.29 -34.64	91.75 4.97 -30.33	88.87 4.85 -27.64	91.47 5.02 -30.00	98.02 5.14 -35.76	101.53 5.30 -36.74	114.43 5.08 -53.51	128.77 5.44 -65.45	132.34 5.71 -67.75	133.82 5.43 -71.24	136.12 5.37 -74.26	121.28 5.37 -59.41	122.89 5.30 -61.20	123.03 5.24 -61.41	127.82 5.30 -66.13	128.16 5.71 -63.63	167.02 6.28 -97.92	169.83 6.19 -101.75	153.64 5.99 -88.33	144.50 5.79 -80.19	127.74 5.54 -65.70	123.92 5.41 -62.13	88.80 5.32 -26.92
FENNER___WINDPWR 24204	65.73 1.94 -4.78	64.01 1.80 -4.10	61.86 1.69 -3.73	61.47 1.69 -3.40	61.88 1.75 -3.69	63.23 1.88 -4.23	66.14 2.14 -4.51	63.75 1.90 -6.01	65.24 1.91 -5.45	65.16 2.06 -4.22	63.48 1.88 -4.45	61.81 1.69 -3.62	61.56 1.69 -3.37	61.06 1.64 -3.04	61.17 1.75 -3.15	61.71 1.75 -3.58	65.44 2.06 -4.56	72.15 2.26 -7.07	71.44 2.22 -7.32	66.97 2.07 -5.58	64.72 1.87 -4.33	62.75 1.69 -4.56	61.56 1.52 -3.65	61.62 1.76 -3.30
FIBERTEK___ENERGY 23856	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.23 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.23 -2.53	58.73 -0.28 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.14 -0.28 -3.04	59.20 -0.11 -2.75
FITZPATRICK___ 23598	59.57 -1.77 -2.34	58.25 -1.86 -2.01	56.46 -1.81 -1.82	56.19 -1.86 -1.66	56.44 -1.81 -1.80	57.42 -1.77 -2.07	59.92 -1.78 -2.21	56.94 -1.84 -2.94	58.58 -1.97 -2.67	59.06 -1.89 -2.06	57.44 -1.88 -2.18	56.41 -1.86 -1.77	56.28 -1.86 -1.65	55.95 -1.92 -1.49	56.01 -1.92 -1.54	56.22 -1.92 -1.75	59.17 -1.88 -2.23	64.39 -1.88 -3.46	63.62 -1.86 -3.58	60.20 -1.84 -2.73	58.76 -1.87 -2.12	56.87 -1.86 -2.23	56.25 -1.92 -1.79	56.36 -1.81 -1.61
FLOWRFLD_69_KV_BK1 356044	125.80 7.32 -59.48	112.76 6.86 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.27 6.55 -44.28	112.74 6.68 -48.93	109.90 6.60 -43.80	119.19 6.31 -57.04	122.37 6.60 -57.89	112.89 6.95 -47.06	113.11 6.97 -49.00	108.86 6.78 -45.58	105.11 6.78 -41.83	104.19 6.77 -41.04	112.44 6.71 -49.35	116.12 7.05 -52.69	146.65 7.53 -80.30	157.04 8.17 -86.06	158.22 7.98 -88.34	153.03 7.65 -86.06	150.20 7.55 -84.13	125.57 7.18 -61.90	114.93 6.94 -51.61	110.12 6.84 -46.71
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	103.41 5.49 -38.91	96.63 5.11 -33.42	91.67 4.85 -30.38	88.79 4.74 -27.67	91.21 4.74 -30.02	96.39 4.80 -34.47	101.28 5.06 -36.73	109.66 4.86 -48.96	107.69 5.38 -44.43	98.83 5.59 -34.35	98.60 5.20 -36.26	91.08 5.08 -29.49	88.95 5.03 -27.42	86.06 4.91 -24.77	86.84 4.79 -25.67	90.48 4.96 -29.14	101.53 5.59 -37.12	126.71 6.28 -57.61	127.70 6.19 -59.62	110.70 5.93 -45.45	99.49 5.73 -35.24	99.08 5.42 -37.16	91.40 5.24 -29.77	88.55 5.09 -26.89
FORT ORANGE___ 23900	109.40 2.77 -47.62	101.96 2.96 -40.90	96.49 2.88 -37.17	93.12 2.87 -33.86	96.06 2.88 -36.74	102.27 2.97 -42.18	107.54 3.09 -44.95	118.22 2.45 -59.92	114.91 2.66 -54.37	103.75 2.83 -42.04	104.15 2.63 -44.38	95.25 2.66 -36.10	92.66 2.60 -33.56	89.29 2.60 -30.31	90.45 2.65 -31.41	94.52 2.48 -35.66	106.19 1.94 -45.42	135.40 2.07 -70.51	136.96 2.11 -72.96	116.90 1.95 -55.63	103.52 1.87 -43.13	103.78 1.81 -45.47	94.79 1.97 -36.44	91.57 2.09 -32.91
FORT_DRUM_COGEN 23780	62.39 1.36 -2.02	61.06 1.22 -1.74	59.15 1.13 -1.58	58.95 1.13 -1.44	59.13 1.13 -1.56	59.88 0.97 -1.79	62.65 1.25 -1.91	59.73 1.34 -2.54	61.58 1.39 -2.31	62.14 1.47 -1.79	60.28 1.26 -1.88	58.99 0.96 -1.53	58.77 0.85 -1.43	58.52 0.85 -1.29	58.56 0.85 -1.33	59.08 1.18 -1.51	62.40 1.65 -1.93	67.57 1.76 -2.99	66.79 1.79 -3.10	63.28 1.60 -2.36	61.81 1.46 -1.83	59.73 1.30 -1.93	58.95 1.01 -1.55	59.03 1.07 -1.40
FOX_HILLS___ESR 323835	106.09 5.78 -41.30	98.36 5.35 -34.92	92.20 5.42 -30.34	89.27 5.24 -27.64	91.88 5.42 -30.01	98.37 5.20 -36.05	101.61 5.35 -36.76	115.45 5.08 -54.53	133.37 5.44 -70.05	139.47 5.71 -74.88	141.45 5.43 -78.88	145.89 5.37 -84.02	128.32 5.42 -66.40	130.95 5.41 -69.15	130.94 5.36 -69.20	136.00 5.41 -74.21	134.06 5.94 -69.29	175.95 6.60 -106.54	178.68 6.62 -110.16	163.06 6.29 -97.46	154.45 6.14 -89.78	134.12 5.82 -71.80	131.00 5.58 -69.03	88.93 5.43 -26.94
FPL_FAR_ROCK_GT1 24212	125.51 7.02 -59.48	112.46 6.56 -47.80	104.81 6.32 -42.04	100.32 6.15 -37.79	107.05 6.32 -44.28	112.51 6.45 -48.93	110.01 6.72 -43.80	119.24 6.36 -57.04	122.54 6.77 -57.89	113.00 7.06 -47.06	112.83 6.68 -49.00	108.74 6.66 -45.58	104.99 6.66 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.61 6.54 -52.69	146.24 7.11 -80.30	156.73 7.85 -86.06	158.03 7.80 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.70 6.71 -51.61	109.89 6.61 -46.71
FPL_FAR_ROCK_GT2 23815	125.51 7.02 -59.48	112.46 6.56 -47.80	104.81 6.32 -42.04	100.32 6.15 -37.79	107.05 6.32 -44.28	112.51 6.45 -48.93	110.01 6.72 -43.80	119.24 6.36 -57.04	122.54 6.77 -57.89	113.00 7.06 -47.06	112.83 6.68 -49.00	108.74 6.66 -45.58	104.99 6.66 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.61 6.54 -52.69	146.24 7.11 -80.30	156.73 7.85 -86.06	158.03 7.80 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.70 6.71 -51.61	109.89 6.61 -46.71







GOUDEY___7	72.36	69.32	66.67	65.62	66.66	68.84	72.03	72.07	72.48	70.41	69.10	66.27	65.60	64.51	64.74	65.98	71.36	82.27	81.98	74.73	70.44	68.91	66.24	65.88
345031	0.77	0.41	0.40	0.28	0.51	0.57	0.65	0.39	0.23	0.41	0.23	0.23	0.23	0.11	0.06	0.17	0.53	0.82	0.80	0.71	0.53	0.40	0.23	0.62
	-12.59	-10.81	-9.83	-8.95	-9.71	-11.15	-11.88	-15.84	-14.37	-11.11	-11.73	-9.54	-8.87	-8.01	-8.30	-9.43	-12.01	-18.64	-19.29	-14.70	-11.40	-12.02	-9.63	-8.70
GOUDEY___8	72.42	69.38	66.78	65.67	66.72	68.90	72.15	72.13	72.60	70.47	69.16	66.38	65.65	64.56	64.80	66.09	71.42	82.33	82.05	74.79	70.56	68.97	66.30	65.94
23579	0.83	0.46	0.51	0.34	0.56	0.63	0.77	0.45	0.35	0.47	0.29	0.34	0.28	0.17	0.11	0.28	0.59	0.88	0.87	0.77	0.64	0.45	0.28	0.68
	-12.59	-10.81	-9.83	-8.95	-9.71	-11.15	-11.88	-15.84	-14.37	-11.11	-11.73	-9.54	-8.87	-8.01	-8.30	-9.43	-12.01	-18.64	-19.29	-14.70	-11.40	-12.02	-9.63	-8.70
GOWANUS_GT1_1	106.33	98.60	92.31	89.44	92.05	98.60	101.84	115.73	133.66	139.76	141.74	146.17	128.60	131.17	131.17	136.23	134.29	176.20	178.86	163.30	154.62	134.34	131.22	89.15
24077	6.02	5.58	5.53	5.41	5.59	5.43	5.59	5.36	5.73	6.01	5.71	5.65	5.71	5.64	5.58	5.64	6.18	6.85	6.81	6.52	6.32	6.05	5.81	5.66
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
GOWANUS_GT1_2	106.33	98.60	92.31	89.44	92.05	98.60	101.84	115.73	133.66	139.76	141.74	146.17	128.60	131.17	131.17	136.23	134.29	176.20	178.86	163.30	154.62	134.34	131.22	89.15
24078	6.02	5.58	5.53	5.41	5.59	5.43	5.59	5.36	5.73	6.01	5.71	5.65	5.71	5.64	5.58	5.64	6.18	6.85	6.81	6.52	6.32	6.05	5.81	5.66
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
GOWANUS_GT1_3	106.33	98.60	92.31	89.44	92.05	98.60	101.84	115.73	133.66	139.76	141.74	146.17	128.60	131.17	131.17	136.23	134.29	176.20	178.86	163.30	154.62	134.34	131.22	89.15
24079	6.02	5.58	5.53	5.41	5.59	5.43	5.59	5.36	5.73	6.01	5.71	5.65	5.71	5.64	5.58	5.64	6.18	6.85	6.81	6.52	6.32	6.05	5.81	5.66
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
GOWANUS_GT1_4	106.33	98.60	92.31	89.44	92.05	98.60	101.84	115.73	133.66	139.76	141.74	146.17	128.60	131.17	131.17	136.23	134.29	176.20	178.86	163.30	154.62	134.34	131.22	89.15
24080	6.02	5.58																						

GOWANUS_GT2_5 24118	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT2_6 24119	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT2_7 24120	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT2_8 24121	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT3_1 24122	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT3_2 24123	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
GOWANUS_GT3_3 24124	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64									





HISHELDN_WT_PWR 323625	62.77 -3.07 -6.84	60.31 -3.66 -5.87	58.34 -3.44 -5.34	57.58 -3.66 -4.86	58.44 -3.28 -5.27	60.03 -3.14 -6.06	62.62 -3.33 -6.45	60.25 -4.19 -8.60	60.76 -4.92 -7.81	60.44 -4.48 -6.04	58.83 -4.68 -6.37	57.11 -4.57 -5.18	56.80 -4.52 -4.82	55.94 -4.79 -4.35	56.21 -4.68 -4.51	56.77 -4.74 -5.12	60.82 -4.53 -6.52	68.54 -4.40 -10.12	68.10 -4.27 -10.47	62.97 -4.33 -7.99	60.14 -4.56 -6.19	58.45 -4.57 -6.53	57.05 -4.57 -5.23	58.00 -3.28 -4.72
HOLTSVILLE_IC_1 23690	125.56 7.08 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.42 6.26 -37.78	107.16 6.43 -44.28	112.56 6.51 -48.93	109.66 6.37 -43.80	118.91 6.03 -57.04	122.08 6.31 -57.89	112.65 6.71 -47.06	113.00 6.85 -49.00	108.63 6.55 -45.58	104.94 6.61 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.95 6.88 -52.69	146.35 7.23 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.76 6.76 -51.61	109.89 6.61 -46.71
HOLTSVILLE_IC_10 23699	125.86 7.38 -59.48	112.87 6.97 -47.80	105.08 6.60 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.85 6.79 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	112.88 6.94 -47.06	113.23 7.08 -49.00	108.91 6.83 -45.58	105.22 6.89 -41.83	104.24 6.82 -41.04	112.55 6.82 -49.35	116.23 7.16 -52.69	146.65 7.53 -80.30	157.30 8.42 -86.06	158.59 8.35 -88.34	153.14 7.77 -86.06	150.25 7.60 -84.13	125.57 7.18 -61.90	115.04 7.05 -51.61	110.17 6.90 -46.71
HOLTSVILLE_IC_2 23691	125.56 7.08 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.42 6.26 -37.78	107.16 6.43 -44.28	112.56 6.51 -48.93	109.66 6.37 -43.80	118.91 6.03 -57.04	122.08 6.31 -57.89	112.65 6.71 -47.06	113.00 6.85 -49.00	108.63 6.55 -45.58	104.94 6.61 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.95 6.88 -52.69	146.35 7.23 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.76 6.76 -51.61	109.89 6.61 -46.71
HOLTSVILLE_IC_3 23692	125.56 7.08 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.42 6.26 -37.78	107.16 6.43 -44.28	112.56 6.51 -48.93	109.66 6.37 -43.80	118.91 6.03 -57.04	122.08 6.31 -57.89	112.65 6.71 -47.06	113.00 6.85 -49.00	108.63 6.55 -45.58	104.94 6.61 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.95 6.88 -52.69	146.35 7.23 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.76 6.76 -51.61	109.89 6.61 -46.71
HOLTSVILLE_IC_4 23693	125.56 7.08 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.42 6.26 -37.78	107.16 6.43 -44.28	112.56 6.51 -48.93	109.66 6.37 -43.80	118.91 6.03 -57.04	122.08 6.31 -57.89	112.65 6.71 -47.06	113.00 6.85 -49.00	108.63 6.55 -45.58	104.94 6.61 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.95 6.88 -52.69	146.35 7.23 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.76 6.76 -51.61	109.89 6.61 -46.71
HOLTSVILLE_IC_5 23694	125.56 7.08 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.42 6.26 -37.78	107.16 6.43 -44.28	112.56 6.51 -48.93	109.66 6.37 -43.80	118.91 6.03 -57.04	122.08 6.31 -57.89	112.65 6.71 -47.06	113.00 6.85 -49.00	108.63 6.55 -45.58	104.94 6.61 -41.83	104.02 6.59 -41.04	112.27 6.54 -49.35	115.95 6.88 -52.69	146.35 7.23 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.76 6.76 -51.61	109.89 6.61 -46.71
HOLTSVILLE_IC_6 23695	125.86 7.38 -59.48	112.87 6.97 -47.80	105.08 6.60 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.85 6.79 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	112.88 6.94 -47.06	113.23 7.08 -49.00	108.91 6.83 -45.58	105.22 6.89 -41.83	104.24 6.82 -41.04	112.55 6.82 -49.35	116.23 7.16 -52.69	146.65 7.53 -80.30	157.30 8.42 -86.06	158.59 8.35 -88.34	153.14 7.77 -86.06	150.25 7.60 -84.13	125.57 7.18 -61.90	115.04 7.05 -51.61	110.17 6.90 -46.71
HOLTSVILLE_IC_7 23696	125.86 7.38 -59.48	112.87 6.97 -47.80	105.08 6.60 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.85 6.79 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	112.88 6.94 -47.06	113.23 7.08 -49.00	108.91 6.83 -45.58	105.22 6.89 -41.83	104.24 6.82 -41.04	112.55 6.82 -49.35	116.23 7.16 -52.69	146.65 7.53 -80.30	157.30 8.42 -86.06	158.59 8.35 -88.34	153.14 7.77 -86.06	150.25 7.60 -84.13	125.57 7.18 -61.90	115.04 7.05 -51.61	110.17 6.90 -46.71
HOLTSVILLE_IC_8 23697	125.86 7.38 -59.48	112.87 6.97 -47.80	105.08 6.60 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.85 6.79 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	112.88 6.94 -47.06	113.23 7.08 -49.00	108.91 6.83 -45.58	105.22 6.89 -41.83	104.24 6.82 -41.04	112.55 6.82 -49.35	116.23 7.16 -52.69	146.65 7.53 -80.30	157.30 8.42 -86.06	158.59 8.35 -88.34	153.14 7.77 -86.06	150.25 7.60 -84.13	125.57 7.18 -61.90	115.04 7.05 -51.61	110.17 6.90 -46.71
HOLTSVILLE_IC_9 23698	125.86 7.38 -59.48	112.87 6.97 -47.80	105.08 6.60 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.85 6.79 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	112.88 6.94 -47.06	113.23 7.08 -49.00	108.91 6.83 -45.58	105.22 6.89 -41.83	104.24 6.82 -41.04	112.55 6.82 -49.35	116.23 7.16 -52.69	146.65 7.53 -80.30	157.30 8.42 -86.06	158.59 8.35 -88.34	153.14 7.77 -86.06	150.25 7.60 -84.13	125.57 7.18 -61.90	115.04 7.05 -51.61	110.17 6.90 -46.71
HOMER_HL_115KV_TB2 355744	62.19 -3.84 -7.02	59.48 -4.65 -6.03	57.58 -4.35 -5.48	56.69 -4.68 -4.99	57.85 -4.01 -5.41	59.34 -4.00 -6.22	61.95 -4.16 -6.62	59.92 -4.75 -8.83	60.45 -5.44 -8.01	60.01 -5.06 -6.20	58.54 -5.14 -6.54	56.79 -5.03 -5.32	56.36 -5.08 -4.95	55.55 -5.30 -4.47	55.60 -5.41 -4.63	56.34 -5.30 -5.25	60.46 -5.06 -6.69	68.31 -4.90 -10.39	67.88 -4.77 -10.75	62.65 -4.86 -8.20	59.90 -4.97 -6.36	58.23 -4.97 -6.70	56.62 -5.13 -5.37	57.45 -3.96 -4.85
HOWARD_WT_PWR 323690	66.59 -0.53 -8.11	64.02 -1.04 -6.96	61.87 -0.91 -6.33	61.02 -1.13 -5.77	61.91 -0.79 -6.26	63.73 -0.57 -7.18	66.74 -0.41 -7.66	64.98 -1.06 -10.21	65.63 -1.51 -9.26	64.75 -1.30 -7.16	63.04 -1.66 -7.56	61.12 -1.52 -6.15	60.80 -1.41 -5.72	59.91 -1.64 -5.16	60.27 -1.47 -5.35	61.22 -1.24 -6.07	65.86 -0.70 -7.74	74.64 -0.19 -12.01	74.20 -0.12 -12.43	68.38 -0.41 -9.47	65.10 -0.76 -7.34	63.23 -1.02 -7.74	61.35 -1.24 -6.21	61.83 -0.34 -5.61
HQ_GEN_CEDARS 23644	56.88 -2.12 0.00	56.94 -1.16 0.00	55.48 -0.96 0.00	55.42 -0.96 0.00	55.43 -1.02 0.00	55.81 -1.31 0.00	57.47 -2.02 0.00	54.84 -1.01 0.00	56.78 -1.10 0.00	57.00 -1.88 0.00	55.94 -1.20 0.00	55.26 -1.24 0.00	55.26 -1.24 0.00	55.20 -1.18 0.00	55.31 -1.07 0.00	55.26 -1.13 0.00	56.94 -1.88 0.00	59.80 -3.02 0.00	58.92 -2.97 0.00	56.94 -2.37 0.00	56.94 -1.58 0.00	55.20 -1.30 0.00	55.31 -1.07 0.00	55.32 -1.24 0.00
HQ_GEN_CEDARS_PROXY 323590	56.94 -2.07 0.00	56.94 -1.16 0.00	55.48 -0.96 0.00	55.42 -0.96 0.00	55.43 -1.01 0.00	55.81 -1.31 0.00	56.94 -2.02 0.53	55.31 -1.06 -0.53	56.78 -1.10 0.00	56.94 -1.94 0.00	55.94 -1.20 0.00	55.26 -1.24 0.00	55.20 -1.30 0.00	55.20 -1.19 0.00	55.26 -1.13 0.00	55.26 -1.13 0.00	56.94 -1.88 0.00	59.80 -3.01 0.00	58.92 -2.97 0.00	56.94 -2.37 0.00	56.94 -1.58 0.00	55.20 -1.30 0.00	55.31 -1.07 0.00	55.32 -1.24 0.00

HQ_GEN_IMPORT 323601	57.65 -1.35 0.00	57.00 -1.11 0.00	55.37 -1.07 0.00	55.37 -1.01 0.00	55.37 -1.07 0.00	55.92 -1.20 0.00	57.65 -1.31 0.53	55.37 -1.00 -0.53	56.78 -1.10 0.00	57.59 -1.30 0.00	56.00 -1.14 0.00	55.37 -1.13 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	57.53 -1.29 0.00	61.25 -1.57 0.00	60.35 -1.54 0.00	57.89 -1.42 0.00	57.23 -1.29 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.19 0.00
HQ_GEN_WHEEL 23651	57.65 -1.35 0.00	57.00 -1.11 0.00	55.37 -1.07 0.00	55.37 -1.01 0.00	55.37 -1.07 0.00	55.92 -1.20 0.00	57.65 -1.31 0.53	55.37 -1.00 -0.53	56.78 -1.10 0.00	57.59 -1.30 0.00	56.00 -1.14 0.00	55.37 -1.13 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	57.53 -1.29 0.00	61.25 -1.57 0.00	60.35 -1.54 0.00	57.89 -1.42 0.00	57.23 -1.29 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.19 0.00
HUDSON_AVE_GT_3 23810	105.66 5.78 -40.87	98.08 5.35 -34.64	91.80 5.02 -30.33	88.98 4.96 -27.64	91.53 5.08 -30.00	98.13 5.25 -35.76	101.65 5.41 -36.74	114.55 5.19 -53.51	128.83 5.50 -65.45	132.40 5.77 -67.75	133.93 5.54 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.31 -101.75	153.76 6.11 -88.33	144.68 5.97 -80.19	127.85 5.65 -65.70	124.04 5.53 -62.13	88.91 5.43 -26.92
HUDSON_AVE_GT_4 23540	105.66 5.78 -40.87	98.08 5.35 -34.64	91.80 5.02 -30.33	88.98 4.96 -27.64	91.53 5.08 -30.00	98.13 5.25 -35.76	101.65 5.41 -36.74	114.55 5.19 -53.51	128.83 5.50 -65.45	132.40 5.77 -67.75	133.93 5.54 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.31 -101.75	153.76 6.11 -88.33	144.68 5.97 -80.19	127.85 5.65 -65.70	124.04 5.53 -62.13	88.91 5.43 -26.92
HUDSON_AVE_GT_5 23657	105.66 5.78 -40.87	98.08 5.35 -34.64	91.80 5.02 -30.33	88.98 4.96 -27.64	91.53 5.08 -30.00	98.13 5.25 -35.76	101.65 5.41 -36.74	114.55 5.19 -53.51	128.83 5.50 -65.45	132.40 5.77 -67.75	133.93 5.54 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.31 -101.75	153.76 6.11 -88.33	144.68 5.97 -80.19	127.85 5.65 -65.70	124.04 5.53 -62.13	88.91 5.43 -26.92
HUDSON_AVE_10 24168	105.66 5.78 -40.87	98.08 5.35 -34.64	91.69 4.91 -30.33	88.87 4.85 -27.64	91.42 4.97 -30.00	98.13 5.25 -35.76	101.59 5.35 -36.74	114.55 5.19 -53.51	128.89 5.56 -65.45	132.40 5.77 -67.75	133.93 5.54 -71.24	136.24 5.48 -74.26	121.39 5.48 -59.41	123.00 5.41 -61.20	123.15 5.36 -61.41	127.93 5.41 -66.13	128.28 5.82 -63.63	167.15 6.41 -97.92	169.96 6.31 -101.75	153.76 6.11 -88.33	144.68 5.97 -80.19	127.85 5.65 -65.70	124.04 5.53 -62.13	88.91 5.43 -26.92
HUDSON___115KV_TB 4 355613	109.20 3.54 -46.65	101.82 3.66 -40.06	96.41 3.56 -36.41	93.05 3.50 -33.17	95.93 3.50 -35.99	102.09 3.66 -41.32	107.39 3.87 -44.03	117.72 3.18 -58.70	114.61 3.47 -53.26	103.59 3.53 -41.18	103.87 3.26 -43.47	95.02 3.16 -35.36	92.48 3.11 -32.87	89.12 3.04 -29.69	90.25 3.10 -30.77	94.41 3.10 -34.93	106.26 2.94 -44.49	135.15 3.27 -69.07	136.64 3.28 -71.47	116.83 3.03 -54.49	103.69 2.93 -42.24	103.75 2.71 -44.54	94.89 2.82 -35.69	91.68 2.88 -32.24
HUNTER MOUNT___DRP 323613	107.82 3.48 -45.33	100.75 3.72 -38.93	95.44 3.61 -35.39	92.12 3.50 -32.24	94.92 3.50 -34.97	100.93 3.66 -40.15	106.21 3.93 -42.79	116.01 3.13 -57.04	113.16 3.53 -51.76	102.49 3.59 -40.02	102.59 3.20 -42.24	93.97 3.11 -34.36	91.50 3.05 -31.95	88.23 2.99 -28.85	89.27 2.99 -29.90	93.37 3.04 -33.94	105.12 3.06 -43.24	133.33 3.39 -67.12	134.69 3.34 -69.45	115.35 3.08 -52.95	102.50 2.93 -41.05	102.50 2.71 -43.28	93.89 2.82 -34.68	90.78 2.88 -31.33
HUNTINGTON_RES_REC 323705	125.09 6.61 -59.48	112.12 6.22 -47.80	104.35 5.87 -42.04	99.92 5.75 -37.78	106.65 5.93 -44.28	112.11 6.05 -48.93	109.42 6.13 -43.80	118.68 5.81 -57.04	121.97 6.20 -57.89	112.42 6.48 -47.06	112.49 6.34 -49.00	108.24 6.16 -45.58	104.54 6.22 -41.83	103.57 6.15 -41.04	111.88 6.15 -49.35	115.44 6.37 -52.69	145.94 6.82 -80.30	156.10 7.22 -86.06	157.29 7.05 -88.34	152.25 6.88 -86.06	149.49 6.84 -84.13	124.95 6.55 -61.90	114.37 6.37 -51.61	109.49 6.22 -46.71
HUNTLEY___63 23557	61.19 -3.72 -5.90	58.76 -4.42 -5.07	56.88 -4.18 -4.61	56.13 -4.45 -4.20	56.93 -4.06 -4.55	58.41 -3.94 -5.23	60.64 -4.40 -5.55	57.80 -5.47 -7.43	58.37 -6.25 -6.74	58.20 -5.89 -5.21	56.64 -6.00 -5.50	55.21 -5.76 -4.47	54.84 -5.82 -4.16	54.05 -6.09 -3.76	54.08 -6.20 -3.89	54.66 -6.15 -4.42	58.40 -6.06 -5.63	65.53 -6.03 -8.74	65.12 -5.82 -9.04	60.40 -5.81 -6.90	57.78 -6.09 -5.35	56.15 -5.99 -5.64	55.02 -5.86 -4.50	56.40 -4.24 -4.08
HUNTLEY___64 23558	61.19 -3.72 -5.90	58.76 -4.42 -5.07	56.88 -4.18 -4.61	56.13 -4.45 -4.20	56.93 -4.06 -4.55	58.41 -3.94 -5.23	60.64 -4.40 -5.55	57.80 -5.47 -7.43	58.37 -6.25 -6.74	58.20 -5.89 -5.21	56.64 -6.00 -5.50	55.21 -5.76 -4.47	54.84 -5.82 -4.16	54.05 -6.09 -3.76	54.08 -6.20 -3.89	54.66 -6.15 -4.42	58.40 -6.06 -5.63	65.53 -6.03 -8.74	65.12 -5.82 -9.04	60.40 -5.81 -6.90	57.78 -6.09 -5.35	56.15 -5.99 -5.64	55.02 -5.86 -4.50	56.40 -4.24 -4.08
HUNTLEY___65 23559	61.19 -3.72 -5.90	58.76 -4.42 -5.07	56.88 -4.18 -4.61	56.13 -4.45 -4.20	56.93 -4.06 -4.55	58.41 -3.94 -5.23	60.64 -4.40 -5.55	57.80 -5.47 -7.43	58.37 -6.25 -6.74	58.20 -5.89 -5.21	56.64 -6.00 -5.50	55.21 -5.76 -4.47	54.84 -5.82 -4.16	54.05 -6.09 -3.76	54.08 -6.20 -3.89	54.66 -6.15 -4.42	58.40 -6.06 -5.63	65.53 -6.03 -8.74	65.12 -5.82 -9.04	60.40 -5.81 -6.90	57.78 -6.09 -5.35	56.15 -5.99 -5.64	55.02 -5.86 -4.50	56.40 -4.24 -4.08
HUNTLEY___66 23560	61.19 -3.72 -5.90	58.76 -4.42 -5.07	56.88 -4.18 -4.61	56.13 -4.45 -4.20	56.93 -4.06 -4.55	58.41 -3.94 -5.23	60.64 -4.40 -5.55	57.80 -5.47 -7.43	58.37 -6.25 -6.74	58.20 -5.89 -5.21	56.64 -6.00 -5.50	55.21 -5.76 -4.47	54.84 -5.82 -4.16	54.05 -6.09 -3.76	54.08 -6.20 -3.89	54.66 -6.15 -4.42	58.40 -6.06 -5.63	65.53 -6.03 -8.74	65.12 -5.82 -9.04	60.40 -5.81 -6.90	57.78 -6.09 -5.35	56.15 -5.99 -5.64	55.02 -5.86 -4.50	56.40 -4.24 -4.08
HUNTLEY___67 23561	61.26 -3.78 -6.03	58.86 -4.42 -5.18	56.97 -4.18 -4.71	56.22 -4.45 -4.29	57.03 -4.06 -4.65	58.52 -3.94 -5.34	60.90 -4.28 -5.69	58.07 -5.36 -7.59	58.63 -6.14 -6.89	58.49 -5.71 -5.32	56.93 -5.83 -5.62	55.42 -5.65 -4.57	55.04 -5.71 -4.25	54.30 -5.92 -3.84	54.27 -6.09 -3.98	54.92 -5.98 -4.52	58.64 -5.94 -5.75	65.84 -5.90 -8.93	65.44 -5.69 -9.24	60.72 -5.63 -7.04	58.07 -5.91 -5.46	56.44 -5.82 -5.76	55.30 -5.69 -4.61	56.54 -4.19 -4.17
HUNTLEY___68 23562	61.26 -3.78 -6.03	58.86 -4.42 -5.18	56.97 -4.18 -4.71	56.22 -4.45 -4.29	57.03 -4.06 -4.65	58.52 -3.94 -5.34	60.90 -4.28 -5.69	58.07 -5.36 -7.59	58.63 -6.14 -6.89	58.49 -5.71 -5.32	56.93 -5.83 -5.62	55.42 -5.65 -4.57	55.04 -5.71 -4.25	54.30 -5.92 -3.84	54.27 -6.09 -3.98	54.92 -5.98 -4.52	58.64 -5.94 -5.75	65.84 -5.90 -8.93	65.44 -5.69 -9.24	60.72 -5.63 -7.04	58.07 -5.91 -5.46	56.44 -5.82 -5.76	55.30 -5.69 -4.61	56.54 -4.19 -4.17



HYLAND___LFGE 323620	67.70 2.01 -6.69	65.12 1.28 -5.74	62.85 1.19 -5.22	62.21 1.07 -4.75	62.62 1.02 -5.16	64.52 1.48 -5.92	67.65 1.85 -6.31	65.26 1.01 -8.41	65.92 0.41 -7.63	65.43 0.65 -5.90	63.09 -0.28 -6.23	61.34 -0.23 -5.07	60.93 -0.28 -4.71	59.96 -0.67 -4.26	60.17 -0.62 -4.41	61.22 -0.17 -5.01	65.96 0.76 -6.38	74.47 1.76 -9.90	74.12 1.98 -10.24	68.78 1.66 -7.81	65.68 1.11 -6.05	63.56 0.68 -6.38	61.90 0.40 -5.12	62.37 1.19 -4.62
INDECK___CORINTH 23802	112.86 4.37 -49.49	104.60 4.01 -42.50	98.96 3.89 -38.63	95.46 3.89 -35.19	98.63 4.01 -38.18	105.18 4.23 -43.83	110.73 4.52 -46.71	122.24 4.13 -62.27	118.89 4.52 -56.50	107.04 4.47 -43.69	107.37 4.12 -46.12	97.90 3.90 -37.51	95.27 3.90 -34.87	91.60 3.72 -31.50	92.86 3.84 -32.64	97.61 4.17 -37.05	110.79 4.76 -47.20	141.42 5.34 -73.27	143.03 5.32 -75.82	121.98 4.86 -57.80	108.07 4.74 -44.81	108.16 4.41 -47.25	98.42 4.17 -37.86	94.72 3.96 -34.20
INDECK___ILION 23567	60.72 1.71 0.00	59.67 1.57 0.00	57.97 1.52 0.00	57.91 1.52 0.00	58.02 1.58 0.00	58.72 1.60 0.00	61.28 1.78 0.00	57.40 1.56 0.00	59.56 1.68 0.00	60.71 1.83 0.00	58.86 1.71 0.00	58.08 1.58 0.00	58.08 1.58 0.00	57.91 1.52 0.00	57.91 1.52 0.00	57.91 1.52 0.00	60.53 1.71 0.00	64.70 1.88 0.00	63.75 1.86 0.00	61.03 1.72 0.00	60.16 1.64 0.00	58.19 1.69 0.00	58.02 1.64 0.00	58.26 1.70 0.00
INDECK___OLEAN 23982	62.19 -3.83 -7.02	59.48 -4.65 -6.03	57.58 -4.35 -5.48	56.69 -4.68 -4.99	57.85 -4.01 -5.41	59.34 -4.00 -6.22	61.95 -4.17 -6.62	59.98 -4.69 -8.83	60.45 -5.44 -8.01	60.01 -5.06 -6.20	58.54 -5.14 -6.54	56.79 -5.03 -5.32	56.47 -4.97 -4.95	55.55 -5.30 -4.47	55.77 -5.24 -4.63	56.34 -5.30 -5.25	60.46 -5.06 -6.69	68.31 -4.90 -10.39	67.88 -4.76 -10.75	62.65 -4.86 -8.20	59.90 -4.97 -6.36	58.17 -5.03 -6.70	56.62 -5.13 -5.37	57.45 -3.96 -4.85
INDECK___OSWEGO 23783	60.90 -1.12 -3.02	59.42 -1.28 -2.59	57.56 -1.24 -2.36	57.29 -1.24 -2.15	57.53 -1.24 -2.33	58.54 -1.26 -2.67	61.21 -1.13 -2.85	58.41 -1.23 -3.80	60.05 -1.27 -3.45	60.37 -1.18 -2.67	58.70 -1.26 -2.81	57.60 -1.19 -2.29	57.38 -1.24 -2.13	57.01 -1.29 -1.92	57.08 -1.29 -1.99	57.40 -1.24 -2.26	60.53 -1.18 -2.88	66.16 -1.13 -4.47	65.47 -1.05 -4.63	61.78 -1.07 -3.53	60.08 -1.17 -2.73	58.19 -1.19 -2.88	57.40 -1.29 -2.31	57.46 -1.19 -2.09
INDECK___YERKES 23781	61.25 -3.66 -5.90	58.81 -4.36 -5.07	56.93 -4.12 -4.61	56.18 -4.40 -4.20	56.99 -4.01 -4.55	58.46 -3.89 -5.23	60.71 -4.34 -5.55	57.85 -5.42 -7.43	58.37 -6.25 -6.74	58.32 -5.77 -5.21	56.70 -5.94 -5.50	55.21 -5.76 -4.47	54.96 -5.70 -4.16	54.11 -5.98 -3.76	54.30 -6.09 -3.89	54.71 -6.06 -4.42	58.40 -6.06 -5.63	65.59 -5.97 -8.74	65.12 -5.82 -9.04	60.46 -5.75 -6.90	57.84 -6.03 -5.35	56.15 -5.99 -5.64	55.02 -5.87 -4.50	56.40 -4.24 -4.08
INDIAN POINT_GT_1 24139	102.41 4.90 -38.51	95.60 4.47 -33.02	90.71 4.29 -29.98	87.87 4.17 -27.31	90.36 4.29 -29.63	95.58 4.40 -34.06	100.27 4.52 -36.25	108.68 4.36 -48.49	107.17 4.69 -44.60	99.45 4.95 -35.62	98.87 4.69 -37.04	91.85 4.63 -30.71	89.34 4.63 -28.21	86.70 4.57 -25.75	87.51 4.51 -26.61	91.03 4.57 -30.08	101.76 4.94 -38.00	127.23 5.47 -58.94	130.27 5.45 -62.93	111.70 5.22 -47.17	100.71 5.09 -37.10	99.50 4.86 -38.14	92.11 4.68 -31.05	87.69 4.58 -26.54
INDIAN POINT_GT_2 23659	102.41 4.90 -38.51	95.60 4.47 -33.02	90.71 4.29 -29.98	87.87 4.17 -27.31	90.36 4.29 -29.63	95.58 4.40 -34.06	100.27 4.52 -36.25	108.68 4.36 -48.49	107.17 4.69 -44.60	99.45 4.95 -35.62	98.87 4.69 -37.04	91.85 4.63 -30.71	89.34 4.63 -28.21	86.70 4.57 -25.75	87.51 4.51 -26.61	91.03 4.57 -30.08	101.76 4.94 -38.00	127.23 5.47 -58.94	130.27 5.45 -62.93	111.70 5.22 -47.17	100.71 5.09 -37.10	99.50 4.86 -38.14	92.11 4.68 -31.05	87.69 4.58 -26.54
INDIAN POINT_GT_3 24019	102.41 4.90 -38.51	95.60 4.47 -33.02	90.71 4.29 -29.98	87.87 4.17 -27.31	90.36 4.29 -29.63	95.58 4.40 -34.06	100.27 4.52 -36.25	108.68 4.36 -48.49	107.17 4.69 -44.60	99.45 4.95 -35.62	98.87 4.69 -37.04	91.85 4.63 -30.71	89.34 4.63 -28.21	86.70 4.57 -25.75	87.51 4.51 -26.61	91.03 4.57 -30.08	101.76 4.94 -38.00	127.23 5.47 -58.94	130.27 5.45 -62.93	111.70 5.22 -47.17	100.71 5.09 -37.10	99.50 4.86 -38.14	92.11 4.68 -31.05	87.69 4.58 -26.54
INDIAN POINT___2 23530	101.84 4.78 -38.05	95.10 4.36 -32.64	90.25 4.18 -29.63	87.43 4.06 -26.99	89.96 4.24 -29.28	95.07 4.29 -33.66	99.73 4.40 -35.83	108.00 4.24 -47.91	106.50 4.57 -44.05	98.85 4.83 -35.13	98.28 4.57 -36.56	91.31 4.52 -30.29	88.86 4.52 -27.84	86.23 4.45 -25.40	87.09 4.45 -26.25	90.51 4.45 -29.68	101.15 4.82 -37.50	126.32 5.34 -58.17	129.18 5.26 -62.03	110.94 5.10 -46.52	100.06 4.97 -36.57	98.88 4.75 -37.64	91.57 4.57 -30.62	87.26 4.47 -26.23
INDIAN POINT___3 23531	102.35 4.84 -38.51	95.49 4.36 -33.03	90.60 4.18 -29.98	87.76 4.06 -27.31	90.31 4.23 -29.63	95.47 4.28 -34.07	100.15 4.40 -36.26	108.57 4.24 -48.49	107.02 4.57 -44.57	99.26 4.83 -35.55	98.71 4.57 -36.99	91.73 4.58 -30.65	89.19 4.52 -28.17	86.59 4.51 -25.70	87.35 4.40 -26.56	90.87 4.45 -30.03	101.60 4.82 -37.95	127.02 5.34 -58.87	129.93 5.26 -62.78	111.49 5.10 -47.08	100.50 4.97 -37.01	99.28 4.69 -38.09	91.94 4.57 -30.99	87.58 4.47 -26.55
INGHAM_C_115KV_TB7 356103	61.31 2.30 0.00	60.25 2.15 0.00	58.48 2.03 0.00	58.41 2.03 0.00	58.59 2.14 0.00	59.35 2.23 0.00	61.88 2.38 0.00	58.02 2.18 0.00	60.19 2.32 0.00	61.35 2.47 0.00	59.43 2.29 0.00	58.70 2.20 0.00	58.59 2.09 0.00	58.41 2.03 0.00	58.41 2.03 0.00	58.30 1.92 0.00	61.06 2.24 0.00	65.27 2.45 0.00	64.31 2.41 0.00	61.63 2.31 0.00	60.74 2.22 0.00	58.87 2.37 0.00	58.75 2.37 0.00	59.05 2.49 0.00
IP CORINTH___1 23988	112.86 4.37 -49.49	104.61 4.01 -42.50	98.97 3.89 -38.63	95.46 3.89 -35.19	98.63 4.01 -38.18	105.18 4.23 -43.83	110.73 4.52 -46.71	122.24 4.13 -62.27	118.89 4.51 -56.50	106.98 4.42 -43.69	107.37 4.11 -46.12	97.91 3.90 -37.51	95.27 3.90 -34.87	91.60 3.72 -31.50	92.80 3.78 -32.64	97.61 4.17 -37.05	110.79 4.76 -47.20	141.43 5.34 -73.27	143.03 5.32 -75.82	121.98 4.86 -57.80	108.07 4.74 -44.81	108.16 4.41 -47.25	98.42 4.17 -37.86	94.72 3.96 -34.20
IP___TICONDEROGA 23804	115.46 7.02 -49.43	106.94 6.39 -42.45	101.30 6.27 -38.59	97.85 6.31 -35.15	101.07 6.49 -38.14	107.76 6.85 -43.79	113.53 7.38 -46.66	124.74 6.70 -62.20	121.72 7.41 -56.44	109.70 7.18 -43.64	109.84 6.63 -46.07	100.18 6.21 -37.47	97.44 6.10 -34.83	93.65 5.81 -31.46	94.91 5.92 -32.61	99.99 6.60 -37.01	113.56 7.59 -47.15	144.49 8.48 -73.19	146.17 8.54 -75.73	124.77 7.71 -57.74	110.83 7.55 -44.77	110.71 7.01 -47.20	100.80 6.60 -37.82	97.06 6.33 -34.16
ISLIP_RES_REC 323679	126.15 7.67 -59.48	113.16 7.26 -47.80	105.37 6.88 -42.04	100.93 6.76 -37.78	107.66 6.94 -44.28	113.14 7.08 -48.93	110.13 6.84 -43.80	119.41 6.53 -57.04	122.60 6.83 -57.89	113.12 7.18 -47.06	113.46 7.32 -49.00	109.14 7.06 -45.58	105.45 7.12 -41.83	104.47 7.05 -41.04	112.78 7.05 -49.35	116.51 7.44 -52.69	146.95 7.82 -80.30	157.67 8.79 -86.06	158.96 8.73 -88.34	153.50 8.13 -86.06	150.54 7.90 -84.13	125.91 7.52 -61.90	115.32 7.33 -51.61	110.40 7.13 -46.71

JAMAICA__27_KV_LOAD 355505	106.84 6.55 -41.28	99.16 6.16 -34.90	92.08 5.31 -30.33	89.21 5.19 -27.64	91.81 5.36 -30.00	99.21 6.05 -36.04	102.30 6.07 -36.74	116.27 5.92 -54.51	134.16 6.25 -70.04	140.27 6.54 -74.86	142.23 6.23 -78.86	146.72 6.21 -84.00	122.07 6.16 -59.41	131.66 6.15 -69.13	131.66 6.09 -69.19	136.72 6.15 -74.19	134.75 6.65 -69.27	167.97 7.22 -97.92	170.70 7.06 -101.75	163.63 6.88 -97.44	155.01 6.73 -89.76	134.72 6.44 -71.78	131.66 6.26 -69.01	89.64 6.17 -26.92
JANIS__SOLAR 323808	73.95 4.31 -10.64	71.13 3.89 -9.13	68.53 3.78 -8.30	67.56 3.61 -7.56	68.32 3.67 -8.21	70.43 3.89 -9.42	73.94 4.40 -10.04	73.19 3.97 -13.38	73.90 3.88 -12.14	72.10 3.83 -9.39	70.25 3.20 -9.91	67.61 3.05 -8.06	66.99 2.99 -7.50	65.86 2.71 -6.77	66.16 2.76 -7.02	67.45 3.10 -7.96	73.15 4.18 -10.15	83.47 4.90 -15.75	83.14 4.95 -16.30	76.31 4.57 -12.42	72.37 4.22 -9.63	70.44 3.79 -10.16	67.96 3.44 -8.14	67.81 3.90 -7.35
JARVIS____ 23743	60.01 1.00 0.00	58.97 0.87 0.00	57.29 0.85 0.00	57.23 0.85 0.00	57.34 0.90 0.00	58.03 0.91 0.00	60.51 1.01 0.00	56.68 0.84 0.00	58.80 0.92 0.00	59.88 1.00 0.00	58.05 0.91 0.00	57.35 0.85 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	59.76 0.94 0.00	63.88 1.07 0.00	62.95 1.05 0.00	60.26 0.95 0.00	59.40 0.88 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.46 0.90 0.00
JENNISON____1 23625	77.86 5.13 -13.72	74.53 4.65 -11.78	71.67 4.52 -10.71	70.42 4.29 -9.75	71.48 4.46 -10.58	73.84 4.57 -12.15	77.50 5.06 -12.95	77.79 4.69 -17.26	78.28 4.75 -15.66	75.82 4.83 -12.11	74.21 4.29 -12.78	70.91 4.01 -10.40	70.06 3.90 -9.66	68.78 3.66 -8.73	69.10 3.66 -9.05	70.66 4.00 -10.27	76.85 4.94 -13.08	88.65 5.53 -20.31	88.48 5.57 -21.01	80.49 5.16 -16.02	75.74 4.80 -12.42	74.06 4.46 -13.10	70.99 4.12 -10.49	70.62 4.58 -9.48
JENNISON____2 23626	77.86 5.13 -13.72	74.53 4.65 -11.78	71.67 4.52 -10.71	70.42 4.29 -9.75	71.48 4.46 -10.58	73.84 4.57 -12.15	77.50 5.06 -12.95	77.79 4.69 -17.26	78.28 4.75 -15.66	75.82 4.83 -12.11	74.21 4.29 -12.78	70.91 4.01 -10.40	70.06 3.90 -9.66	68.78 3.66 -8.73	69.10 3.66 -9.05	70.66 4.00 -10.27	76.85 4.94 -13.08	88.65 5.53 -20.31	88.48 5.57 -21.01	80.49 5.16 -16.02	75.74 4.80 -12.42	74.06 4.46 -13.10	70.99 4.12 -10.49	70.62 4.58 -9.48
JERICOHO_RISE_WT_PWR 323719	57.76 -1.24 0.00	57.29 -0.81 0.00	55.60 -0.85 0.00	55.37 -1.01 0.00	55.26 -1.19 0.00	55.75 -1.37 0.00	57.36 -2.14 0.00	54.28 -1.56 0.00	56.26 -1.62 0.00	56.94 -1.94 0.00	55.48 -1.66 0.00	54.86 -1.64 0.00	54.86 -1.64 0.00	54.52 -1.86 0.00	54.63 -1.75 0.00	54.92 -1.47 0.00	57.29 -1.53 0.00	60.75 -2.07 0.00	59.67 -2.23 0.00	57.12 -2.19 0.00	56.64 -1.87 0.00	54.75 -1.75 0.00	54.69 -1.69 0.00	55.04 -1.52 0.00
KATONAH__115KV_46KV_TB4 355592	103.65 5.43 -39.21	96.82 5.05 -33.66	91.89 4.85 -30.60	88.99 4.74 -27.87	91.43 4.74 -30.24	96.63 4.80 -34.72	101.43 4.94 -37.00	110.13 4.97 -49.32	108.01 5.38 -44.75	99.36 5.65 -34.83	99.04 5.37 -36.53	91.52 5.31 -29.71	89.37 5.25 -27.62	86.52 5.19 -24.95	87.31 5.07 -25.85	90.81 5.07 -29.35	101.98 5.59 -37.57	127.41 6.28 -58.31	129.25 6.19 -61.17	111.42 5.99 -46.12	100.05 5.73 -35.80	99.60 5.48 -37.62	91.84 5.24 -30.21	88.74 5.09 -27.09
KCE_NY_1 323755	112.49 4.13 -49.36	104.32 3.83 -42.39	98.75 3.78 -38.53	95.26 3.78 -35.10	98.36 3.84 -38.08	104.83 4.00 -43.72	110.31 4.22 -46.59	121.75 3.80 -62.11	118.34 4.11 -56.35	106.51 4.06 -43.57	107.02 3.89 -45.99	97.64 3.73 -37.41	95.01 3.73 -34.78	91.41 3.61 -31.42	92.60 3.66 -32.56	97.23 3.89 -36.96	110.26 4.35 -47.08	140.67 4.77 -73.08	142.28 4.77 -75.62	121.36 4.39 -57.65	107.48 4.27 -44.70	107.70 4.07 -47.13	98.09 3.95 -37.76	94.52 3.85 -34.11
KCE_NY_6_ESR 323823	61.92 -3.36 -6.27	59.48 -4.01 -5.39	57.56 -3.78 -4.90	56.79 -4.06 -4.46	57.62 -3.67 -4.84	59.14 -3.54 -5.56	61.61 -3.81 -5.92	58.93 -4.80 -7.90	59.49 -5.56 -7.16	59.36 -5.06 -5.54	57.73 -5.26 -5.85	56.17 -5.08 -4.76	55.89 -5.03 -4.42	55.02 -5.36 -3.99	55.22 -5.30 -4.14	55.72 -5.36 -4.70	59.52 -5.29 -5.98	66.96 -5.15 -9.29	66.55 -4.95 -9.61	61.60 -5.04 -7.33	58.93 -5.27 -5.68	57.24 -5.25 -5.99	55.99 -5.19 -4.80	57.16 -3.73 -4.34
KEDC_PORT_JEFF_GT2 24210	125.74 7.26 -59.48	112.75 6.85 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.27 6.54 -44.28	112.73 6.68 -48.93	109.78 6.49 -43.80	119.02 6.14 -57.04	122.25 6.48 -57.89	112.82 6.89 -47.06	113.17 7.03 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.44 6.71 -49.35	116.12 7.05 -52.69	146.53 7.41 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.97 7.59 -86.06	150.14 7.49 -84.13	125.51 7.12 -61.90	114.93 6.93 -51.61	110.06 6.78 -46.71
KEDC_PORT_JEFF_GT3 24211	125.74 7.26 -59.48	112.75 6.85 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.27 6.54 -44.28	112.73 6.68 -48.93	109.78 6.49 -43.80	119.02 6.14 -57.04	122.25 6.48 -57.89	112.82 6.89 -47.06	113.17 7.03 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.44 6.71 -49.35	116.12 7.05 -52.69	146.53 7.41 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.97 7.59 -86.06	150.14 7.49 -84.13	125.51 7.12 -61.90	114.93 6.93 -51.61	110.06 6.78 -46.71
KEDC_GLWD_GT4 24219	125.04 6.55 -59.48	112.00 6.10 -47.80	104.30 5.82 -42.04	99.86 5.69 -37.78	106.59 5.87 -44.28	111.99 5.94 -48.93	109.48 6.19 -43.80	118.79 5.92 -57.04	122.08 6.31 -57.89	112.47 6.54 -47.06	112.37 6.23 -49.00	108.29 6.22 -45.58	104.49 6.16 -41.83	103.51 6.09 -41.04	111.82 6.09 -49.35	114.71 5.64 -52.69	145.24 6.12 -80.30	155.60 6.72 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.97 5.97 -51.61	109.38 6.11 -46.71
KEDC_GLWD_GT5 24220	125.04 6.55 -59.48	112.00 6.10 -47.80	104.30 5.82 -42.04	99.86 5.69 -37.78	106.59 5.87 -44.28	111.99 5.94 -48.93	109.48 6.19 -43.80	118.79 5.92 -57.04	122.08 6.31 -57.89	112.47 6.54 -47.06	112.37 6.23 -49.00	108.29 6.22 -45.58	104.49 6.16 -41.83	103.51 6.09 -41.04	111.82 6.09 -49.35	114.71 5.64 -52.69	145.24 6.12 -80.30	155.60 6.72 -86.06	156.92 6.69 -88.34	151.78 6.41 -86.06	148.91 6.26 -84.13	124.33 5.93 -61.90	113.97 5.97 -51.61	109.38 6.11 -46.71
KENSICO____ 23655	102.99 5.13 -38.85	96.12 4.71 -33.31	91.19 4.52 -30.23	88.32 4.40 -27.54	90.84 4.52 -29.88	96.11 4.63 -34.36	100.81 4.76 -36.56	109.35 4.58 -48.93	107.92 4.92 -45.12	100.25 5.12 -36.24	99.65 4.91 -37.59	92.63 4.86 -31.27	90.02 4.86 -28.66	87.39 4.79 -26.21	88.20 4.74 -27.08	91.70 4.74 -30.59	102.58 5.18 -38.57	128.36 5.72 -59.83	131.75 5.63 -64.22	112.71 5.40 -48.00	101.69 5.33 -37.85	100.27 5.03 -38.74	92.91 4.91 -31.63	88.14 4.81 -26.77
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	100.89 5.25 -36.63	94.38 4.82 -31.46	89.61 4.57 -28.59	86.77 4.34 -26.05	89.11 4.40 -28.26	94.08 4.51 -32.45	98.77 4.70 -34.58	106.51 4.58 -46.09	104.68 4.98 -41.82	96.34 5.12 -32.34	96.02 4.74 -34.13	88.84 4.58 -27.76	86.32 4.01 -25.81	83.59 3.89 -23.32	84.44 3.89 -24.16	87.87 4.06 -27.43	98.65 4.88 -34.94	122.58 5.53 -54.23	123.52 5.51 -56.12	107.38 5.28 -42.79	97.31 5.62 -33.17	96.73 5.25 -34.98	89.43 5.02 -28.03	86.74 4.86 -25.32

KIAC_JFK_GT1 23816	106.66 6.37 -41.28	98.93 5.93 -34.90	91.91 5.14 -30.33	89.04 5.02 -27.64	91.64 5.19 -30.00	98.98 5.83 -36.04	102.06 5.83 -36.74	116.10 5.75 -54.51	133.99 6.08 -70.04	140.10 6.36 -74.86	142.06 6.06 -78.86	146.49 5.99 -84.00	121.90 5.99 -59.41	131.49 5.98 -69.13	131.43 5.86 -69.19	136.49 5.92 -74.19	134.51 6.41 -69.27	167.71 6.97 -97.92	170.45 6.81 -101.75	163.39 6.64 -97.44	154.78 6.50 -89.76	134.49 6.21 -71.78	131.43 6.03 -69.01	89.48 6.00 -26.92
KIAC_JFK_GT2 23817	106.66 6.37 -41.28	98.93 5.93 -34.90	91.91 5.14 -30.33	89.04 5.02 -27.64	91.64 5.19 -30.00	98.98 5.83 -36.04	102.06 5.83 -36.74	116.10 5.75 -54.51	133.99 6.08 -70.04	140.10 6.36 -74.86	142.06 6.06 -78.86	146.49 5.99 -84.00	121.90 5.99 -59.41	131.49 5.98 -69.13	131.43 5.86 -69.19	136.49 5.92 -74.19	134.51 6.41 -69.27	167.71 6.97 -97.92	170.45 6.81 -101.75	163.39 6.64 -97.44	154.78 6.50 -89.76	134.49 6.21 -71.78	131.43 6.03 -69.01	89.48 6.00 -26.92
KIAC_JFK____ 323774	106.66 6.37 -41.28	98.93 5.93 -34.90	91.91 5.14 -30.33	89.04 5.02 -27.64	91.64 5.19 -30.00	98.98 5.83 -36.04	102.07 5.83 -36.74	116.10 5.75 -54.51	133.99 6.08 -70.04	140.10 6.36 -74.86	142.06 6.05 -78.86	146.49 5.99 -84.00	121.96 6.05 -59.41	131.49 5.97 -69.13	131.49 5.92 -69.19	136.49 5.92 -74.19	134.51 6.41 -69.27	167.71 6.97 -97.92	170.45 6.81 -101.75	163.39 6.64 -97.44	154.78 6.49 -89.76	134.49 6.22 -71.78	131.43 6.04 -69.01	89.47 5.99 -26.92
KINTIGH____ 23543	61.26 -2.95 -5.21	59.09 -3.49 -4.47	57.18 -3.33 -4.06	56.53 -3.55 -3.70	57.13 -3.33 -4.02	58.59 -3.14 -4.61	61.02 -3.39 -4.92	58.09 -4.30 -6.55	58.90 -4.92 -5.94	58.89 -4.59 -4.60	57.25 -4.74 -4.85	55.87 -4.58 -3.95	55.48 -4.69 -3.67	54.85 -4.85 -3.31	54.86 -4.96 -3.43	55.38 -4.91 -3.90	58.97 -4.82 -4.97	65.75 -4.77 -7.71	65.29 -4.58 -7.98	60.83 -4.57 -6.08	58.43 -4.80 -4.72	56.73 -4.75 -4.97	55.69 -4.68 -3.98	56.77 -3.39 -3.60
KNTFSRNC_46_KV_46KV_LOAD 80397	59.07 0.06 0.00	58.57 0.46 0.00	56.78 0.34 0.00	56.50 0.11 0.00	56.39 -0.06 0.00	56.89 -0.23 0.00	58.37 -1.13 0.00	55.28 -0.56 0.00	57.30 -0.58 0.00	58.06 -0.82 0.00	56.46 -0.69 0.00	55.88 -0.62 0.00	55.88 -0.62 0.00	55.37 -1.01 0.00	55.59 -0.79 0.00	55.88 -0.51 0.00	58.35 -0.47 0.00	62.00 -0.82 0.00	60.84 -1.05 0.00	58.19 -1.13 0.00	57.70 -0.82 0.00	55.77 -0.73 0.00	55.59 -0.79 0.00	56.16 -0.40 0.00
LACHUTE____HYDRO 323717	115.46 7.02 -49.43	106.94 6.39 -42.45	101.30 6.26 -38.59	97.85 6.31 -35.15	101.07 6.49 -38.14	107.76 6.85 -43.79	113.53 7.38 -46.66	124.74 6.70 -62.20	121.73 7.41 -56.44	109.70 7.18 -43.64	109.83 6.63 -46.07	100.18 6.22 -37.47	97.44 6.10 -34.83	93.66 5.81 -31.46	94.91 5.92 -32.61	99.99 6.59 -37.01	113.57 7.59 -47.15	144.48 8.48 -73.19	146.17 8.54 -75.73	124.76 7.71 -57.74	110.84 7.55 -44.77	110.70 7.00 -47.20	100.80 6.59 -37.82	97.06 6.33 -34.16
LAWRNCALV_115KV_TB1 80681	56.41 -2.60 0.00	56.42 -1.68 0.00	54.92 -1.52 0.00	54.86 -1.52 0.00	54.86 -1.58 0.00	55.01 -2.11 0.00	56.70 -2.80 0.00	54.11 -1.73 0.00	56.03 -1.85 0.00	56.35 -2.53 0.00	55.20 -1.94 0.00	54.52 -1.98 0.00	54.52 -1.98 0.00	54.47 -1.92 0.00	54.52 -1.86 0.00	54.52 -1.86 0.00	56.30 -2.53 0.00	59.24 -3.58 0.00	58.37 -3.53 0.00	56.35 -2.97 0.00	56.24 -2.28 0.00	54.47 -2.03 0.00	54.75 -1.64 0.00	54.75 -1.81 0.00
LEDERLE____ 23769	101.48 4.96 -37.52	94.76 4.47 -32.18	89.96 4.29 -29.22	87.12 4.12 -26.62	89.62 4.29 -28.89	94.66 4.34 -33.20	99.36 4.52 -35.34	107.37 4.30 -47.23	105.86 4.69 -43.30	98.14 4.95 -34.31	97.64 4.69 -35.81	90.69 4.63 -29.55	88.36 4.63 -27.22	85.74 4.57 -24.79	86.53 4.51 -25.64	89.90 4.51 -29.01	100.54 5.00 -36.71	125.24 5.47 -56.96	127.70 5.45 -60.36	109.96 5.22 -45.42	99.27 5.15 -35.61	98.19 4.86 -36.83	90.99 4.74 -29.87	87.02 4.58 -25.88
LIGHTHSE_115KV_TB6 355974	61.69 -0.12 -2.80	60.22 -0.29 -2.40	58.35 -0.28 -2.19	58.04 -0.34 -1.99	58.27 -0.34 -2.16	59.14 -0.46 -2.48	61.84 -0.30 -2.64	59.03 -0.34 -3.52	60.73 -0.35 -3.20	61.18 -0.18 -2.47	59.47 -0.29 -2.61	58.34 -0.28 -2.12	58.13 -0.34 -1.97	57.77 -0.39 -1.78	57.78 -0.45 -1.85	58.25 -0.23 -2.10	61.38 -0.12 -2.67	66.90 -0.06 -4.15	66.18 0.00 -4.29	62.53 -0.06 -3.27	60.94 -0.12 -2.54	59.00 -0.17 -2.67	58.13 -0.39 -2.14	58.27 -0.23 -1.94
LINDEN COGEN____ 23786	101.54 5.31 -37.22	97.74 5.00 -34.64	91.46 4.68 -30.33	88.58 4.57 -27.63	91.13 4.68 -30.00	97.73 4.85 -35.76	101.23 5.00 -36.74	112.85 4.80 -52.21	112.72 5.09 -49.75	112.71 5.36 -48.47	106.00 5.14 -43.71	106.00 5.09 -44.41	97.62 5.09 -36.03	97.60 5.02 -36.20	97.61 4.96 -36.26	99.00 5.02 -37.60	97.57 5.41 -33.34	101.30 5.90 -32.58	102.21 5.88 -34.43	97.45 5.64 -32.49	98.40 5.50 -34.39	98.55 5.26 -36.80	97.60 5.08 -36.14	88.51 5.03 -26.92
LINDHRST_69_KV_BK1 356055	125.74 7.26 -59.48	112.64 6.74 -47.80	104.92 6.43 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.68 6.63 -48.93	110.08 6.78 -43.80	119.30 6.42 -57.04	122.60 6.83 -57.89	113.00 7.07 -47.06	113.00 6.86 -49.00	108.80 6.72 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.39 6.65 -49.35	115.89 6.82 -52.69	146.53 7.41 -80.30	157.04 8.17 -86.06	158.34 8.11 -88.34	153.09 7.71 -86.06	150.20 7.55 -84.13	125.51 7.12 -61.90	114.88 7.12 -51.61	110.06 6.79 -46.71
LIPA_MISC_IPP 23656	125.51 7.02 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.30 6.01 -43.80	118.63 5.75 -57.04	121.79 6.02 -57.89	112.47 6.54 -47.06	113.06 6.91 -49.00	108.63 6.55 -45.58	105.00 6.67 -41.83	104.08 6.65 -41.04	112.27 6.54 -49.35	116.01 6.94 -52.69	146.24 7.12 -80.30	156.98 8.10 -86.06	157.97 7.74 -88.34	152.67 7.30 -86.06	149.73 7.08 -84.13	125.12 6.72 -61.90	114.59 6.60 -51.61	109.89 6.62 -46.71
LISF____SOLAR 323691	125.62 7.14 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.59 6.43 -37.78	107.27 6.54 -44.28	112.68 6.62 -48.93	109.42 6.13 -43.80	118.74 5.86 -57.04	121.90 6.13 -57.89	112.59 6.65 -47.06	113.17 7.03 -49.00	108.74 6.66 -45.58	105.11 6.78 -41.83	104.13 6.71 -41.04	112.38 6.65 -49.35	116.12 7.05 -52.69	146.35 7.23 -80.30	157.10 8.23 -86.06	158.40 8.17 -88.34	152.85 7.47 -86.06	149.90 7.25 -84.13	125.29 6.89 -61.90	114.82 6.82 -51.61	109.94 6.67 -46.71
LITTLE FALLS____HYD 24013	61.31 2.30 0.00	60.25 2.15 0.00	58.48 2.03 0.00	58.41 2.03 0.00	58.59 2.14 0.00	59.35 2.23 0.00	61.88 2.38 0.00	58.02 2.18 0.00	60.19 2.32 0.00	61.35 2.47 0.00	59.43 2.29 0.00	58.70 2.20 0.00	58.59 2.09 0.00	58.41 2.03 0.00	58.41 2.03 0.00	58.30 1.92 0.00	61.06 2.24 0.00	65.27 2.45 0.00	64.31 2.41 0.00	61.63 2.31 0.00	60.74 2.22 0.00	58.87 2.37 0.00	58.75 2.37 0.00	59.05 2.49 0.00
LITTLRIV_115KV_TB1 356100	57.12 -1.89 0.00	57.00 -1.10 0.00	55.54 -0.90 0.00	55.48 -0.90 0.00	55.43 -1.02 0.00	55.58 -1.54 0.00	57.35 -2.14 0.00	54.78 -1.06 0.00	56.78 -1.10 0.00	57.12 -1.77 0.00	55.89 -1.26 0.00	55.20 -1.30 0.00	55.14 -1.36 0.00	55.09 -1.30 0.00	55.14 -1.24 0.00	55.20 -1.18 0.00	57.12 -1.71 0.00	60.05 -2.76 0.00	59.23 -2.66 0.00	57.12 -2.19 0.00	56.94 -1.58 0.00	55.14 -1.36 0.00	55.37 -1.01 0.00	55.32 -1.24 0.00

LI_NEWBRDGE___DRP 323616	124.45 5.96 -59.48	111.42 5.52 -47.80	103.79 5.31 -42.04	99.35 5.19 -37.78	106.03 5.31 -44.28	111.48 5.43 -48.93	108.89 5.59 -43.80	118.18 5.30 -57.04	121.44 5.67 -57.89	111.89 5.95 -47.06	111.86 5.71 -49.00	107.73 5.65 -45.58	103.92 5.59 -41.83	103.01 5.58 -41.04	111.26 5.53 -49.35	114.65 5.58 -52.69	145.12 6.00 -80.30	155.47 6.60 -86.06	156.73 6.50 -88.34	151.60 6.23 -86.06	148.73 6.09 -84.13	124.21 5.82 -61.90	113.69 5.69 -51.61	108.87 5.60 -46.71
LOCKPORT_115KV_TB60_63_64 80432	60.42 -4.25 -5.66	58.02 -4.94 -4.86	56.18 -4.68 -4.42	55.45 -4.96 -4.03	56.18 -4.63 -4.37	57.62 -4.51 -5.01	59.96 -4.88 -5.34	56.99 -5.97 -7.12	57.57 -6.77 -6.46	57.52 -6.36 -5.00	55.90 -6.51 -5.28	54.46 -6.33 -4.29	54.10 -6.38 -3.99	53.45 -6.54 -3.60	53.41 -6.71 -3.73	53.97 -6.65 -4.24	57.64 -6.59 -5.40	64.60 -6.60 -8.38	64.19 -6.38 -8.67	59.64 -6.29 -6.61	57.03 -6.61 -5.13	55.41 -6.50 -5.41	54.34 -6.37 -4.33	55.67 -4.81 -3.91
LOCKPORT___CC1 323769	60.23 -4.49 -5.71	57.89 -5.11 -4.90	55.99 -4.91 -4.45	55.31 -5.13 -4.06	56.05 -4.80 -4.40	57.55 -4.62 -5.05	59.82 -5.06 -5.38	56.94 -6.09 -7.18	57.45 -6.95 -6.51	57.44 -6.48 -5.04	55.77 -6.69 -5.32	54.33 -6.50 -4.33	54.08 -6.44 -4.02	53.30 -6.71 -3.63	53.49 -6.65 -3.76	53.83 -6.82 -4.27	57.50 -6.76 -5.44	64.48 -6.79 -8.45	64.07 -6.56 -8.74	59.46 -6.52 -6.67	56.90 -6.79 -5.17	55.28 -6.67 -5.45	54.21 -6.54 -4.36	55.53 -4.98 -3.94
LOCKPORT___CC2 323770	60.23 -4.49 -5.71	57.89 -5.11 -4.90	55.99 -4.91 -4.45	55.31 -5.13 -4.06	56.05 -4.80 -4.40	57.55 -4.62 -5.05	59.82 -5.06 -5.38	56.94 -6.09 -7.18	57.45 -6.95 -6.51	57.44 -6.48 -5.04	55.77 -6.69 -5.32	54.33 -6.50 -4.33	54.08 -6.44 -4.02	53.30 -6.71 -3.63	53.49 -6.65 -3.76	53.83 -6.82 -4.27	57.50 -6.76 -5.44	64.48 -6.79 -8.45	64.07 -6.56 -8.74	59.46 -6.52 -6.67	56.90 -6.79 -5.17	55.28 -6.67 -5.45	54.21 -6.54 -4.36	55.53 -4.98 -3.94
LOCKPORT___CC3 323771	60.23 -4.49 -5.71	57.89 -5.11 -4.90	55.99 -4.91 -4.45	55.31 -5.13 -4.06	56.05 -4.80 -4.40	57.55 -4.62 -5.05	59.82 -5.06 -5.38	56.94 -6.09 -7.18	57.45 -6.95 -6.51	57.44 -6.48 -5.04	55.77 -6.69 -5.32	54.33 -6.50 -4.33	54.08 -6.44 -4.02	53.30 -6.71 -3.63	53.49 -6.65 -3.76	53.83 -6.82 -4.27	57.50 -6.76 -5.44	64.48 -6.79 -8.45	64.07 -6.56 -8.74	59.46 -6.52 -6.67	56.90 -6.79 -5.17	55.28 -6.67 -5.45	54.21 -6.54 -4.36	55.53 -4.98 -3.94
LONG_LAKE_PHOENIX 24014	61.30 -0.83 -3.12	59.79 -0.99 -2.68	57.92 -0.96 -2.44	57.59 -1.01 -2.22	57.84 -1.02 -2.41	58.91 -0.97 -2.76	61.61 -0.83 -2.94	58.76 -1.01 -3.93	60.40 -1.04 -3.56	60.75 -0.88 -2.75	59.08 -0.97 -2.91	57.96 -0.90 -2.36	57.74 -0.96 -2.20	57.35 -1.01 -1.99	57.31 -1.13 -2.06	57.70 -1.01 -2.34	60.92 -0.88 -2.98	66.68 -0.75 -4.62	65.93 -0.74 -4.78	62.19 -0.77 -3.64	60.46 -0.88 -2.83	58.52 -0.96 -2.98	57.64 -1.13 -2.39	57.81 -0.90 -2.16
LOVETT___3 23632	101.32 4.66 -37.65	94.58 4.18 -32.30	89.78 4.01 -29.32	86.99 3.89 -26.71	89.49 4.06 -28.98	94.54 4.11 -33.31	99.18 4.22 -35.46	107.31 4.08 -47.40	105.74 4.40 -43.47	98.01 4.65 -34.47	97.51 4.40 -35.97	90.55 4.35 -29.70	88.20 4.35 -27.35	85.58 4.29 -24.91	86.37 4.23 -25.76	89.81 4.29 -29.14	100.35 4.65 -36.88	125.18 5.15 -57.21	127.65 5.08 -60.68	109.88 4.92 -45.64	99.11 4.80 -35.79	98.07 4.58 -36.99	90.80 4.40 -30.02	86.83 4.30 -25.97
LOVETT___4 23642	101.32 4.66 -37.65	94.58 4.18 -32.30	89.78 4.01 -29.32	86.99 3.89 -26.71	89.49 4.06 -28.98	94.54 4.11 -33.31	99.18 4.22 -35.46	107.31 4.08 -47.40	105.74 4.40 -43.47	98.01 4.65 -34.47	97.51 4.40 -35.97	90.55 4.35 -29.70	88.20 4.35 -27.35	85.58 4.29 -24.91	86.37 4.23 -25.76	89.81 4.29 -29.14	100.35 4.65 -36.88	125.18 5.15 -57.21	127.65 5.08 -60.68	109.88 4.92 -45.64	99.11 4.80 -35.79	98.07 4.58 -36.99	90.80 4.40 -30.02	86.83 4.30 -25.97
LOVETT___5 23593	101.32 4.66 -37.65	94.58 4.18 -32.30	89.78 4.01 -29.32	86.99 3.89 -26.71	89.49 4.06 -28.98	94.54 4.11 -33.31	99.18 4.22 -35.46	107.31 4.08 -47.40	105.74 4.40 -43.47	98.01 4.65 -34.47	97.51 4.40 -35.97	90.55 4.35 -29.70	88.20 4.35 -27.35	85.58 4.29 -24.91	86.37 4.23 -25.76	89.81 4.29 -29.14	100.35 4.65 -36.88	125.18 5.15 -57.21	127.65 5.08 -60.68	109.88 4.92 -45.64	99.11 4.80 -35.79	98.07 4.58 -36.99	90.80 4.40 -30.02	86.83 4.30 -25.97
LOWER_RAQUET___HYD 24057	56.29 -2.71 0.00	56.24 -1.86 0.00	54.75 -1.69 0.00	54.69 -1.69 0.00	54.69 -1.75 0.00	54.72 -2.40 0.00	56.46 -3.03 0.00	53.83 -2.01 0.00	55.80 -2.08 0.00	56.06 -2.83 0.00	54.97 -2.17 0.00	54.30 -2.20 0.00	54.24 -2.26 0.00	54.18 -2.20 0.00	54.18 -2.20 0.00	54.30 -2.09 0.00	56.12 -2.70 0.00	59.05 -3.77 0.00	58.18 -3.71 0.00	56.11 -3.20 0.00	56.00 -2.51 0.00	54.24 -2.26 0.00	54.58 -1.81 0.00	54.58 -1.98 0.00
LOWER___HUDSON 24059	110.57 3.01 -48.55	102.70 2.90 -41.70	97.22 2.88 -37.90	93.78 2.87 -34.53	96.78 2.88 -37.46	103.04 2.91 -43.01	108.42 3.09 -45.83	119.73 2.79 -61.09	116.38 3.07 -55.43	104.80 3.06 -42.86	105.36 2.97 -45.25	96.24 2.94 -36.80	93.65 2.94 -34.22	90.22 2.93 -30.90	91.34 2.93 -32.03	95.72 2.99 -36.35	108.31 3.17 -46.31	138.09 3.39 -71.89	139.62 3.34 -74.39	119.23 3.20 -56.71	105.59 3.10 -43.97	105.80 2.94 -46.36	96.46 2.93 -37.15	93.00 2.88 -33.56
LOWVILLE_115KV_TB2 356335	61.78 1.30 -1.48	60.65 1.28 -1.27	58.78 1.19 -1.15	58.62 1.18 -1.05	58.82 1.24 -1.14	59.57 1.14 -1.31	62.20 1.31 -1.39	59.09 1.40 -1.86	61.07 1.50 -1.68	61.72 1.53 -1.30	59.89 1.37 -1.37	58.69 1.07 -1.12	58.56 1.02 -1.04	58.34 1.01 -0.94	58.32 0.96 -0.97	58.73 1.24 -1.10	61.82 1.59 -1.41	66.63 1.63 -2.18	65.76 1.61 -2.26	62.58 1.54 -1.72	61.26 1.40 -1.34	59.15 1.24 -1.41	58.58 1.07 -1.13	58.71 1.13 -1.02
LUTHERFT_115KV_GLOB_FND_222 355753	112.44 4.07 -49.36	104.32 3.83 -42.39	98.70 3.73 -38.53	95.20 3.72 -35.10	98.31 3.78 -38.08	104.78 3.94 -43.72	110.25 4.16 -46.59	121.69 3.74 -62.11	118.28 4.05 -56.35	106.52 4.06 -43.57	106.97 3.83 -45.99	97.58 3.67 -37.41	94.95 3.67 -34.78	91.35 3.55 -31.42	92.55 3.61 -32.56	97.23 3.89 -36.96	110.20 4.29 -47.08	140.61 4.71 -73.08	142.22 4.70 -75.62	121.30 4.33 -57.65	107.43 4.21 -44.70	107.64 4.01 -47.13	98.04 3.89 -37.76	94.46 3.79 -34.11
LUTHERNY_35_KV_BK2 355980	112.49 4.13 -49.36	104.32 3.83 -42.39	98.75 3.78 -38.53	95.26 3.78 -35.10	98.36 3.84 -38.08	104.78 3.94 -43.72	110.31 4.22 -46.59	121.74 3.80 -62.11	118.34 4.11 -56.35	106.52 4.06 -43.57	107.02 3.89 -45.99	97.64 3.73 -37.41	95.01 3.73 -34.78	91.41 3.61 -31.42	92.61 3.66 -32.56	97.23 3.89 -36.96	110.26 4.35 -47.08	140.67 4.77 -73.08	142.28 4.77 -75.62	121.36 4.39 -57.65	107.49 4.27 -44.70	107.69 4.07 -47.13	98.09 3.95 -37.76	94.52 3.85 -34.11
LWR___OSWEGATCHIE_HYD 23850	58.77 -1.30 -1.07	58.09 -0.93 -0.91	56.43 -0.85 -0.83	56.30 -0.85 -0.76	56.36 -0.90 -0.82	56.81 -1.26 -0.94	59.01 -1.49 -1.01	56.29 -0.89 -1.34	58.23 -0.87 -1.22	58.59 -1.24 -0.94	57.11 -1.03 -0.99	56.18 -1.13 -0.81	56.01 -1.24 -0.75	55.88 -1.18 -0.68	55.90 -1.18 -0.70	56.17 -1.01 -0.80	58.72 -1.12 -1.02	62.76 -1.63 -1.58	61.92 -1.61 -1.63	59.19 -1.36 -1.24	58.37 -1.11 -0.96	56.44 -1.07 -1.02	56.24 -0.96 -0.82	56.28 -1.02 -0.74

LYONS_FALL_HYD 23570	62.26 1.83 -1.42	61.07 1.74 -1.22	59.19 1.64 -1.11	59.03 1.64 -1.01	59.23 1.69 -1.10	60.04 1.66 -1.26	62.74 1.90 -1.34	59.47 1.84 -1.79	61.47 1.97 -1.63	62.14 2.00 -1.26	60.30 1.83 -1.33	59.16 1.58 -1.08	59.08 1.58 -1.00	58.81 1.52 -0.91	58.85 1.52 -0.94	59.20 1.75 -1.07	62.24 2.06 -1.36	67.06 2.14 -2.11	66.24 2.17 -2.18	63.00 2.02 -1.66	61.68 1.87 -1.29	59.55 1.69 -1.36	59.00 1.52 -1.09	59.19 1.64 -0.98
MADISON__COUNTY_LFGE 323628	63.98 2.60 -2.37	62.52 2.38 -2.04	60.61 2.31 -1.85	60.33 2.26 -1.69	60.65 2.37 -1.83	61.68 2.46 -2.10	64.53 2.80 -2.24	61.34 2.51 -2.99	63.19 2.60 -2.71	63.74 2.77 -2.09	61.87 2.51 -2.21	60.56 2.26 -1.80	60.43 2.26 -1.67	60.09 2.20 -1.51	60.15 2.20 -1.56	60.53 2.37 -1.78	63.79 2.71 -2.26	69.28 2.95 -3.51	68.38 2.85 -3.63	64.75 2.67 -2.77	63.12 2.46 -2.15	61.02 2.26 -2.27	60.28 2.09 -1.82	60.52 2.32 -1.64
MALONE__115KV_TB1 356076	58.30 -0.71 0.00	57.93 -0.17 0.00	56.16 -0.28 0.00	55.99 -0.39 0.00	55.94 -0.51 0.00	56.32 -0.80 0.00	58.01 -1.49 0.00	55.06 -0.78 0.00	57.13 -0.75 0.00	57.76 -1.12 0.00	56.23 -0.91 0.00	55.60 -0.90 0.00	55.65 -0.85 0.00	55.26 -1.13 0.00	55.37 -1.01 0.00	55.59 -0.79 0.00	57.88 -0.94 0.00	61.31 -1.51 0.00	60.29 -1.61 0.00	57.77 -1.54 0.00	57.35 -1.17 0.00	55.43 -1.07 0.00	55.42 -0.96 0.00	55.66 -0.90 0.00
MAPLEWOD_115KV_TB3 80458	110.21 2.95 -48.26	102.56 3.02 -41.44	97.10 2.99 -37.67	93.63 2.93 -34.32	96.67 2.99 -37.23	102.95 3.08 -42.74	108.26 3.21 -45.55	119.24 2.68 -60.72	115.87 2.89 -55.09	104.48 3.00 -42.60	105.03 2.91 -44.97	95.96 2.88 -36.58	93.39 2.88 -34.01	89.97 2.88 -30.72	91.09 2.88 -31.83	95.33 2.82 -36.13	107.68 2.82 -46.03	137.28 3.02 -71.45	138.80 2.97 -73.93	118.47 2.79 -56.37	104.97 2.75 -43.70	105.23 2.66 -46.08	96.01 2.71 -36.92	92.68 2.77 -33.35
MAPLE_RIDGE_WT_1 323574	58.18 -0.83 0.00	57.46 -0.64 0.00	55.82 -0.62 0.00	55.82 -0.56 0.00	55.88 -0.56 0.00	56.49 -0.63 0.00	58.78 -0.71 0.00	55.34 -0.50 0.00	57.30 -0.58 0.00	58.24 -0.65 0.00	56.63 -0.52 0.00	55.93 -0.56 0.00	55.93 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	58.12 -0.70 0.00	61.75 -1.07 0.00	60.72 -1.18 0.00	58.13 -1.19 0.00	57.47 -1.05 0.00	55.59 -0.91 0.00	55.54 -0.84 0.00	55.60 -0.96 0.00
MAPLE_RIDGE_WT_2 323611	58.18 -0.83 0.00	57.46 -0.64 0.00	55.82 -0.62 0.00	55.82 -0.56 0.00	55.88 -0.56 0.00	56.49 -0.63 0.00	58.78 -0.71 0.00	55.34 -0.50 0.00	57.30 -0.58 0.00	58.24 -0.65 0.00	56.63 -0.52 0.00	55.93 -0.56 0.00	55.93 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	58.12 -0.70 0.00	61.75 -1.07 0.00	60.72 -1.18 0.00	58.13 -1.19 0.00	57.47 -1.05 0.00	55.59 -0.91 0.00	55.54 -0.84 0.00	55.60 -0.96 0.00
MARBLE_RIVER_WT_PWR 323696	57.95 -1.06 0.00	57.46 -0.64 0.00	55.71 -0.74 0.00	55.48 -0.90 0.00	55.43 -1.01 0.00	55.92 -1.20 0.00	57.41 -2.08 0.00	54.34 -1.51 0.00	56.32 -1.56 0.00	57.00 -1.89 0.00	55.54 -1.60 0.00	54.92 -1.58 0.00	54.92 -1.58 0.00	54.58 -1.81 0.00	54.69 -1.69 0.00	54.98 -1.41 0.00	57.36 -1.47 0.00	60.87 -1.95 0.00	59.73 -2.17 0.00	57.24 -2.08 0.00	56.76 -1.75 0.00	54.86 -1.64 0.00	54.80 -1.58 0.00	55.20 -1.36 0.00
MARSHVLE_115KV_TB1 80742	120.02 4.54 -56.47	110.84 4.24 -48.49	104.59 4.06 -44.08	100.60 4.06 -40.16	104.19 4.18 -43.57	111.59 4.46 -50.02	117.68 4.88 -53.30	131.36 4.47 -71.06	127.15 4.80 -64.47	113.38 4.65 -49.85	113.99 4.23 -52.62	103.31 4.01 -42.80	100.19 3.90 -39.79	96.10 3.78 -35.94	97.52 3.89 -37.25	102.84 4.17 -42.28	117.75 5.06 -53.86	152.21 5.78 -83.61	154.23 5.82 -86.52	130.56 5.28 -65.96	114.63 4.97 -51.14	115.33 4.92 -53.92	104.04 4.45 -43.21	99.89 4.30 -39.03
MARSH_HILL_WT_PWR 323713	66.51 -0.47 -7.98	63.97 -0.99 -6.85	61.77 -0.91 -6.23	60.99 -1.07 -5.68	61.87 -0.74 -6.16	63.67 -0.52 -7.07	66.62 -0.41 -7.53	64.82 -1.06 -10.04	65.49 -1.51 -9.11	64.63 -1.30 -7.05	62.92 -1.66 -7.44	61.03 -1.52 -6.05	60.71 -1.41 -5.62	59.83 -1.64 -5.08	60.13 -1.52 -5.26	61.12 -1.24 -5.98	65.67 -0.77 -7.61	74.38 -0.25 -11.82	73.94 -0.19 -12.23	68.16 -0.48 -9.32	64.93 -0.82 -7.23	63.05 -1.08 -7.62	61.25 -1.24 -6.11	61.74 -0.34 -5.52
MCINTYRE_115KV_TB2 80467	57.65 -1.36 0.00	57.58 -0.52 0.00	56.05 -0.40 0.00	55.99 -0.39 0.00	55.99 -0.45 0.00	56.26 -0.86 0.00	58.07 -1.43 0.00	55.45 -0.39 0.00	57.42 -0.46 0.00	57.76 -1.12 0.00	56.51 -0.63 0.00	55.77 -0.73 0.00	55.71 -0.79 0.00	55.71 -0.68 0.00	55.71 -0.68 0.00	55.76 -0.62 0.00	57.71 -1.12 0.00	60.74 -2.07 0.00	59.85 -2.04 0.00	57.77 -1.54 0.00	57.58 -0.94 0.00	55.77 -0.73 0.00	55.88 -0.51 0.00	55.88 -0.68 0.00
MECO____69_KV_BK1 80468	121.53 8.20 -54.32	112.36 7.61 -46.64	106.29 7.45 -42.40	102.45 7.44 -38.62	105.86 7.51 -41.91	113.28 8.05 -48.11	119.57 8.81 -51.27	132.12 7.93 -68.35	128.28 8.39 -62.01	114.96 8.13 -47.95	115.24 7.49 -50.62	104.79 7.12 -41.17	101.67 6.89 -38.28	97.67 6.71 -34.57	99.26 7.05 -35.83	104.95 7.89 -40.67	119.87 9.24 -51.81	153.48 10.24 -80.42	155.38 10.27 -83.21	132.13 9.37 -63.44	116.72 9.01 -49.19	116.95 8.59 -51.86	105.95 8.01 -41.56	101.85 7.75 -37.54
MENANDS__115KV_TB5 355628	109.88 2.71 -48.16	102.31 2.85 -41.36	96.81 2.77 -37.60	93.40 2.76 -34.25	96.37 2.77 -37.16	102.64 2.86 -42.66	107.93 2.97 -45.46	118.85 2.40 -60.60	115.47 2.60 -54.99	104.17 2.77 -42.52	104.71 2.69 -44.88	95.72 2.71 -36.50	93.09 2.66 -33.94	89.75 2.71 -30.66	90.80 2.65 -31.77	94.98 2.54 -36.06	107.23 2.47 -45.94	136.70 2.58 -71.31	138.22 2.54 -73.79	117.94 2.37 -56.26	104.47 2.34 -43.62	104.80 2.32 -45.99	95.66 2.42 -36.85	92.39 2.55 -33.29
MG INDUSTRY__DRP 24185	108.83 2.71 -47.11	101.34 2.79 -40.45	95.98 2.77 -36.77	92.65 2.76 -33.50	95.55 2.77 -36.35	101.70 2.86 -41.73	106.94 2.97 -44.47	117.52 2.40 -59.28	114.27 2.60 -53.78	103.12 2.65 -41.59	103.56 2.51 -43.90	94.75 2.54 -35.71	92.24 2.54 -33.20	88.91 2.54 -29.98	90.00 2.54 -31.07	94.14 2.48 -35.27	106.17 2.41 -44.93	135.14 2.58 -69.75	136.61 2.54 -72.17	116.71 2.37 -55.03	103.52 2.34 -42.66	103.74 2.26 -44.98	94.79 2.37 -36.04	91.55 2.43 -32.56
MID__OSWEGATCHIE_HYD 23849	58.77 -1.30 -1.07	58.09 -0.93 -0.91	56.43 -0.85 -0.83	56.30 -0.85 -0.76	56.36 -0.90 -0.82	56.81 -1.26 -0.94	59.01 -1.49 -1.01	56.29 -0.89 -1.34	58.23 -0.87 -1.22	58.59 -1.24 -0.94	57.11 -1.03 -0.99	56.18 -1.13 -0.81	56.01 -1.24 -0.75	55.88 -1.18 -0.68	55.90 -1.18 -0.70	56.17 -1.01 -0.80	58.72 -1.12 -1.02	62.76 -1.63 -1.58	61.92 -1.61 -1.63	59.19 -1.36 -1.24	58.37 -1.11 -0.96	56.44 -1.07 -1.02	56.24 -0.96 -0.82	56.28 -1.02 -0.74
MID__RAQUETTE_HYD 23851	56.29 -2.71 0.00	56.24 -1.86 0.00	54.75 -1.69 0.00	54.69 -1.69 0.00	54.69 -1.75 0.00	54.72 -2.40 0.00	56.46 -3.03 0.00	53.89 -1.95 0.00	55.79 -2.08 0.00	56.17 -2.71 0.00	54.97 -2.17 0.00	54.30 -2.20 0.00	54.24 -2.26 0.00	54.18 -2.20 0.00	54.24 -2.14 0.00	54.30 -2.09 0.00	56.12 -2.71 0.00	59.05 -3.77 0.00	58.18 -3.71 0.00	56.11 -3.20 0.00	56.00 -2.52 0.00	54.24 -2.26 0.00	54.58 -1.80 0.00	54.58 -1.98 0.00

MILLIKEN___1 23584	68.79 1.89 -7.89	66.45 1.57 -6.78	64.13 1.52 -6.16	63.40 1.41 -5.61	64.06 1.52 -6.09	65.77 1.66 -6.99	68.91 1.96 -7.45	67.39 1.62 -9.93	68.45 1.56 -9.01	67.50 1.65 -6.97	65.87 1.37 -7.35	63.89 1.41 -5.98	63.42 1.36 -5.56	62.59 1.18 -5.02	62.72 1.13 -5.21	63.65 1.35 -5.91	68.18 1.82 -7.53	76.76 2.26 -11.68	76.28 2.29 -12.09	70.61 2.08 -9.22	67.54 1.87 -7.15	65.62 1.58 -7.54	63.72 1.30 -6.04	63.66 1.64 -5.45
MILLIKEN___2 23585	68.79 1.89 -7.89	66.45 1.57 -6.78	64.13 1.52 -6.16	63.40 1.41 -5.61	64.06 1.52 -6.09	65.77 1.66 -6.99	68.91 1.96 -7.45	67.39 1.62 -9.93	68.45 1.56 -9.01	67.50 1.65 -6.97	65.87 1.37 -7.35	63.89 1.41 -5.98	63.42 1.36 -5.56	62.59 1.18 -5.02	62.72 1.13 -5.21	63.65 1.35 -5.91	68.18 1.82 -7.53	76.76 2.26 -11.68	76.28 2.29 -12.09	70.61 2.08 -9.22	67.54 1.87 -7.15	65.62 1.58 -7.54	63.72 1.30 -6.04	63.66 1.64 -5.45
MILLIKEN___DIESEL 23629	68.79 1.89 -7.89	66.45 1.57 -6.78	64.13 1.52 -6.16	63.40 1.41 -5.61	64.06 1.52 -6.09	65.77 1.66 -6.99	68.91 1.96 -7.45	67.39 1.62 -9.93	68.45 1.56 -9.01	67.50 1.65 -6.97	65.87 1.37 -7.35	63.89 1.41 -5.98	63.42 1.36 -5.56	62.59 1.18 -5.02	62.72 1.13 -5.21	63.65 1.35 -5.91	68.18 1.82 -7.53	76.76 2.26 -11.68	76.28 2.29 -12.09	70.61 2.08 -9.22	67.54 1.87 -7.15	65.62 1.58 -7.54	63.72 1.30 -6.04	63.66 1.64 -5.45
MILLSEAT___LFGE 323607	61.67 -2.83 -5.50	59.27 -3.55 -4.72	57.35 -3.39 -4.29	56.68 -3.61 -3.91	57.24 -3.44 -4.24	58.85 -3.14 -4.87	61.23 -3.45 -5.18	58.29 -4.47 -6.92	58.94 -5.21 -6.27	59.02 -4.71 -4.85	57.29 -4.97 -5.12	55.86 -4.80 -4.17	55.51 -4.86 -3.87	54.75 -5.13 -3.50	54.93 -5.07 -3.63	55.26 -5.24 -4.11	59.01 -5.06 -5.24	66.12 -4.84 -8.14	65.73 -4.58 -8.42	61.11 -4.63 -6.42	58.52 -4.97 -4.98	56.72 -5.03 -5.25	55.62 -4.96 -4.20	56.80 -3.56 -3.80
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	102.62 4.96 -38.65	95.84 4.59 -33.15	90.88 4.35 -30.09	88.08 4.29 -27.41	90.59 4.40 -29.74	95.77 4.46 -34.19	100.47 4.58 -36.39	108.93 4.41 -48.67	107.40 4.75 -44.78	99.66 5.00 -35.78	99.08 4.74 -37.20	92.09 4.75 -30.85	89.52 4.69 -28.33	86.93 4.68 -25.86	87.68 4.57 -26.73	91.22 4.62 -30.21	102.04 5.06 -38.16	127.54 5.53 -59.19	130.63 5.51 -63.22	111.97 5.28 -47.37	100.94 5.15 -37.27	99.72 4.92 -38.30	92.31 4.74 -31.19	87.84 4.64 -26.64
MILLWOOD_13_KV_LOAD 356217	102.79 5.13 -38.65	95.96 4.71 -33.15	91.05 4.52 -30.09	88.19 4.40 -27.41	90.70 4.52 -29.74	95.88 4.57 -34.19	100.58 4.70 -36.39	109.09 4.58 -48.67	107.63 4.98 -44.78	99.84 5.18 -35.78	99.31 4.97 -37.20	92.26 4.92 -30.85	89.69 4.86 -28.33	87.04 4.79 -25.86	87.85 4.74 -26.73	91.39 4.79 -30.21	102.22 5.24 -38.16	127.79 5.78 -59.19	130.87 5.76 -63.22	112.20 5.52 -47.37	101.11 5.33 -37.27	99.89 5.08 -38.30	92.48 4.91 -31.19	88.01 4.81 -26.64
MODEL_CITY_ENERGY 24167	60.05 -4.72 -5.76	57.76 -5.29 -4.95	55.86 -5.08 -4.50	55.12 -5.36 -4.10	55.87 -5.02 -4.45	57.43 -4.80 -5.10	59.58 -5.35 -5.44	56.72 -6.37 -7.25	57.22 -7.24 -6.58	57.20 -6.77 -5.09	55.54 -6.97 -5.37	54.09 -6.78 -4.37	53.84 -6.72 -4.06	53.06 -6.99 -3.67	53.25 -6.94 -3.80	53.59 -7.11 -4.31	57.26 -7.06 -5.50	64.25 -7.10 -8.53	63.79 -6.93 -8.83	59.23 -6.82 -6.73	56.65 -7.08 -5.22	55.05 -6.95 -5.50	54.02 -6.77 -4.41	55.34 -5.20 -3.98
MODERN_LFGE___ 323580	60.05 -4.72 -5.76	57.76 -5.29 -4.95	55.86 -5.08 -4.50	55.12 -5.36 -4.10	55.87 -5.02 -4.45	57.43 -4.80 -5.10	59.58 -5.35 -5.44	56.72 -6.37 -7.25	57.22 -7.24 -6.58	57.20 -6.77 -5.09	55.54 -6.97 -5.37	54.09 -6.78 -4.37	53.84 -6.72 -4.06	53.06 -6.99 -3.67	53.25 -6.94 -3.80	53.59 -7.11 -4.31	57.26 -7.06 -5.50	64.25 -7.10 -8.53	63.79 -6.93 -8.83	59.23 -6.82 -6.73	56.65 -7.08 -5.22	55.05 -6.95 -5.50	54.02 -6.77 -4.41	55.34 -5.20 -3.98
MOHAWK_PAPER___DRP 24187	110.21 2.95 -48.26	102.56 3.02 -41.44	97.10 2.99 -37.67	93.63 2.93 -34.32	96.67 2.99 -37.23	102.95 3.08 -42.74	108.26 3.21 -45.55	119.24 2.68 -60.72	115.87 2.89 -55.09	104.48 3.00 -42.60	105.03 2.91 -44.97	95.96 2.88 -36.58	93.39 2.88 -34.01	89.97 2.88 -30.72	91.09 2.88 -31.83	95.33 2.82 -36.13	107.68 2.82 -46.03	137.28 3.02 -71.45	138.80 2.97 -73.93	118.47 2.79 -56.37	104.97 2.75 -43.70	105.23 2.66 -46.08	96.01 2.71 -36.92	92.68 2.77 -33.35
MOHICAN___35_KV_115KV_LD 80490	113.13 4.72 -49.40	104.88 4.36 -42.42	99.24 4.23 -38.56	95.80 4.29 -35.13	98.90 4.35 -38.11	105.45 4.57 -43.76	111.06 4.94 -46.63	122.47 4.47 -62.16	119.14 4.86 -56.40	107.26 4.77 -43.61	107.64 4.46 -46.04	98.18 4.24 -37.44	95.49 4.18 -34.81	91.89 4.06 -31.44	93.09 4.12 -32.59	97.88 4.51 -36.99	111.12 5.18 -47.12	141.68 5.72 -73.14	143.27 5.69 -75.69	122.24 5.22 -57.70	108.35 5.09 -44.74	108.42 4.75 -47.17	98.69 4.51 -37.80	95.06 4.36 -34.14
MONGAUP___HYD 23641	98.30 3.66 -35.63	91.94 3.25 -30.58	87.29 3.05 -27.80	84.58 2.87 -25.33	86.85 2.93 -27.48	91.63 2.97 -31.55	96.26 3.15 -33.62	103.61 2.96 -44.81	101.78 3.24 -40.66	93.91 3.35 -31.68	93.30 2.97 -33.19	86.43 2.94 -26.99	84.48 2.88 -25.10	81.81 2.76 -22.67	82.58 2.71 -23.49	86.04 2.99 -26.67	96.57 3.59 -34.16	119.98 4.14 -53.02	121.78 4.15 -55.74	105.24 3.97 -41.95	94.89 3.80 -32.58	94.21 3.50 -34.21	87.19 3.33 -27.48	84.34 3.17 -24.61
MONTAUK___DIESEL 23721	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.45 8.40 -48.93	111.15 7.85 -43.80	120.36 7.48 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.69 -49.00	110.27 8.19 -45.58	106.58 8.25 -41.83	105.60 8.18 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.14 9.90 -88.34	154.63 9.25 -86.06	151.54 8.89 -84.13	126.87 8.47 -61.90	116.23 8.23 -51.61	111.59 8.31 -46.71
MOONROAD_115KV_HARTFLD_TB1-2 355988	62.79 -2.89 -6.67	60.00 -3.83 -5.73	58.15 -3.50 -5.21	57.52 -3.61 -4.74	58.32 -3.27 -5.15	59.89 -3.14 -5.91	62.82 -2.97 -6.30	60.21 -4.02 -8.39	60.87 -4.63 -7.62	60.53 -4.24 -5.89	59.02 -4.34 -6.22	57.54 -4.01 -5.06	57.19 -4.01 -4.70	56.34 -4.29 -4.25	56.33 -4.45 -4.40	57.04 -4.34 -5.00	60.95 -4.24 -6.36	68.74 -3.96 -9.88	68.40 -3.71 -10.22	63.19 -3.91 -7.79	60.35 -4.21 -6.04	58.46 -4.41 -6.37	56.92 -4.57 -5.10	58.06 -3.11 -4.61
MORTIMER_115KV_TB3 55949	62.47 -1.24 -4.71	60.40 -1.74 -4.04	58.42 -1.69 -3.67	57.93 -1.80 -3.35	58.32 -1.75 -3.63	59.74 -1.54 -4.17	62.39 -1.55 -4.44	59.47 -2.29 -5.92	60.59 -2.66 -5.37	60.68 -2.36 -4.15	58.96 -2.57 -4.38	57.64 -2.43 -3.57	57.33 -2.49 -3.32	56.73 -2.65 -2.99	56.72 -2.76 -3.10	57.14 -2.76 -3.52	60.78 -2.53 -4.49	67.46 -2.32 -6.97	67.00 -2.10 -7.21	62.62 -2.19 -5.50	60.32 -2.46 -4.26	58.45 -2.54 -4.49	57.39 -2.59 -3.60	58.06 -1.75 -3.25
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	106.27 5.61 -41.66	98.48 5.23 -35.15	91.75 4.97 -30.34	88.88 4.85 -27.64	91.49 5.02 -30.02	98.50 5.08 -36.30	101.56 5.30 -36.77	116.23 5.03 -55.36	137.12 5.38 -73.86	145.31 5.65 -80.78	147.71 5.37 -85.20	153.91 5.31 -92.10	133.98 5.31 -72.17	137.35 5.24 -75.73	137.23 5.19 -75.66	142.51 5.24 -80.89	138.45 5.65 -73.98	182.70 6.22 -113.66	185.15 6.13 -117.12	170.25 5.93 -105.01	162.03 5.79 -97.72	138.82 5.48 -76.84	136.49 5.36 -74.75	88.77 5.26 -26.95

MUNSVILLE_WIND_PWR 323609	78.33 7.14 -12.18	75.18 6.62 -10.46	72.39 6.43 -9.51	71.14 6.09 -8.66	72.00 6.15 -9.40	74.31 6.40 -10.79	78.13 7.14 -11.50	77.87 6.70 -15.33	78.50 6.71 -13.91	76.29 6.65 -10.75	74.26 5.77 -11.35	71.10 5.37 -9.23	70.28 5.19 -8.58	68.99 4.85 -7.75	69.38 4.96 -8.04	70.97 5.47 -9.12	77.26 6.82 -11.62	88.58 7.72 -18.04	88.42 7.86 -18.66	80.84 7.29 -14.23	76.33 6.78 -11.03	74.40 6.27 -11.63	71.57 5.86 -9.32	71.48 6.50 -8.42
N SALMON___HYD 24042	58.30 -0.71 0.00	57.93 -0.17 0.00	56.16 -0.28 0.00	55.99 -0.39 0.00	55.94 -0.51 0.00	56.32 -0.80 0.00	58.01 -1.49 0.00	55.00 -0.84 0.00	57.12 -0.75 0.00	57.76 -1.12 0.00	56.23 -0.92 0.00	55.59 -0.91 0.00	55.65 -0.85 0.00	55.26 -1.13 0.00	55.31 -1.07 0.00	55.59 -0.79 0.00	57.88 -0.94 0.00	61.31 -1.51 0.00	60.29 -1.61 0.00	57.77 -1.54 0.00	57.35 -1.17 0.00	55.42 -1.08 0.00	55.42 -0.96 0.00	55.65 -0.91 0.00
N.AKRON__115KV_KNAPP 355671	61.65 -2.89 -5.53	59.25 -3.60 -4.75	57.32 -3.44 -4.32	56.65 -3.66 -3.93	57.21 -3.50 -4.27	58.76 -3.26 -4.90	61.20 -3.51 -5.22	58.22 -4.58 -6.96	58.93 -5.27 -6.32	58.94 -4.83 -4.88	57.21 -5.09 -5.16	55.83 -4.86 -4.19	55.43 -4.97 -3.90	54.72 -5.19 -3.52	54.68 -5.36 -3.65	55.23 -5.30 -4.14	58.98 -5.12 -5.28	66.05 -4.96 -8.19	65.67 -4.70 -8.48	61.03 -4.75 -6.46	58.44 -5.09 -5.01	56.70 -5.08 -5.28	55.59 -5.02 -4.23	56.76 -3.62 -3.82
N.BELMOR_69_KV_BK1 55787	125.10 6.61 -59.48	112.06 6.16 -47.80	104.35 5.87 -42.04	99.91 5.75 -37.78	106.59 5.87 -44.28	112.05 6.00 -48.93	109.54 6.25 -43.80	118.80 5.92 -57.04	122.08 6.31 -57.89	112.47 6.54 -47.06	112.43 6.29 -49.00	108.29 6.21 -45.58	104.54 6.21 -41.83	103.57 6.15 -41.04	111.82 6.09 -49.35	115.22 6.15 -52.69	145.83 6.71 -80.30	156.23 7.35 -86.06	157.54 7.30 -88.34	152.38 7.00 -86.06	149.44 6.79 -84.13	124.89 6.50 -61.90	114.31 6.31 -51.61	109.49 6.22 -46.71
N.E_GEN_SANDY PD 24062	106.52 3.42 -44.10	99.22 3.25 -37.87	94.08 3.22 -34.42	90.95 3.21 -31.36	93.68 3.22 -34.02	99.37 3.20 -39.06	103.97 3.39 -41.09	115.04 3.18 -56.02	111.75 3.53 -50.34	101.40 3.59 -38.93	101.72 3.49 -41.09	93.37 3.45 -33.42	91.02 3.45 -31.07	87.89 3.44 -28.07	88.91 3.44 -29.09	92.84 3.44 -33.02	104.53 3.65 -42.06	132.00 3.90 -65.29	133.29 3.84 -67.56	114.50 3.68 -51.51	102.02 3.57 -39.93	102.05 3.45 -42.10	93.56 3.44 -33.74	90.37 3.34 -30.48
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	101.37 4.78 -37.58	94.64 4.30 -32.24	89.78 4.06 -29.27	87.00 3.95 -26.67	89.50 4.12 -28.93	94.54 4.17 -33.25	99.18 4.28 -35.40	107.29 4.13 -47.31	105.72 4.46 -43.38	98.04 4.77 -34.39	97.54 4.51 -35.89	90.59 4.46 -29.63	88.25 4.46 -27.29	85.63 4.40 -24.85	86.42 4.34 -25.70	89.80 4.34 -29.07	100.38 4.76 -36.79	125.18 5.28 -57.09	127.61 5.20 -60.52	109.89 5.04 -45.53	99.13 4.92 -35.70	98.04 4.63 -36.91	90.84 4.51 -29.94	86.89 4.41 -25.92
N.QUEENS_27_KV_LOAD 356247	106.32 6.02 -41.29	98.65 5.64 -34.91	92.15 5.36 -30.34	89.21 5.19 -27.64	91.87 5.42 -30.01	98.65 5.48 -36.05	101.90 5.65 -36.75	115.77 5.42 -54.52	133.71 5.79 -70.05	139.76 6.01 -74.87	141.73 5.71 -78.87	146.16 5.65 -84.01	121.63 5.71 -59.42	131.16 5.64 -69.14	131.16 5.58 -69.20	136.16 5.58 -74.20	134.23 6.12 -69.29	167.41 6.66 -97.94	170.27 6.62 -101.75	163.11 6.35 -97.45	154.50 6.20 -89.78	134.22 5.93 -71.79	131.16 5.75 -69.03	89.20 5.71 -26.93
N.TROY___115KV_TB1 355778	110.57 3.01 -48.55	102.70 2.91 -41.70	97.22 2.88 -37.90	93.79 2.88 -34.53	96.78 2.88 -37.46	103.04 2.91 -43.01	108.42 3.09 -45.83	119.73 2.79 -61.09	116.38 3.07 -55.43	104.81 3.06 -42.86	105.36 2.97 -45.25	96.24 2.94 -36.80	93.65 2.94 -34.22	90.22 2.93 -30.90	91.34 2.93 -32.03	95.73 2.99 -36.35	108.31 3.18 -46.31	138.10 3.39 -71.89	139.62 3.34 -74.39	119.23 3.20 -56.71	105.59 3.10 -43.97	105.80 2.94 -46.36	96.46 2.93 -37.15	93.00 2.88 -33.56
NARROWS_GT1_1 24228	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_2 24229	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_3 24230	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_4 24231	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_5 24232	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_6 24233	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT1_7 24234	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94

NARROWS_GT1_8 24235	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_1 24236	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_2 24237	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_3 24238	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_4 24239	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_5 24240	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_6 24241	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_7 24242	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NARROWS_GT2_8 24243	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	107.82 3.48 -45.33	100.75 3.72 -38.93	95.44 3.61 -35.39	92.12 3.50 -32.24	94.92 3.50 -34.97	100.93 3.66 -40.15	106.21 3.93 -42.79	116.01 3.13 -57.04	113.16 3.53 -51.76	102.49 3.59 -40.02	102.59 3.20 -42.24	93.97 3.11 -34.36	91.50 3.05 -31.95	88.23 2.99 -28.85	89.27 2.99 -29.90	93.37 3.04 -33.94	105.12 3.06 -43.24	133.33 3.39 -67.12	134.69 3.34 -69.45	115.35 3.08 -52.95	102.50 2.93 -41.05	102.50 2.71 -43.28	93.89 2.82 -34.68	90.78 2.88 -31.33
NCHELSEA_115KV_TR2 355582	103.20 5.37 -38.82	96.50 5.05 -33.34	91.55 4.80 -30.31	88.61 4.62 -27.61	91.08 4.68 -29.95	96.25 4.74 -34.39	101.08 4.94 -36.65	109.49 4.80 -48.85	107.47 5.27 -44.32	98.63 5.48 -34.27	98.46 5.14 -36.18	90.95 5.03 -29.43	88.83 4.97 -27.36	85.94 4.85 -24.71	86.73 4.74 -25.61	90.36 4.91 -29.07	101.39 5.53 -37.03	126.45 6.16 -57.48	127.50 6.13 -59.48	110.54 5.87 -45.35	99.35 5.68 -35.16	98.94 5.37 -37.07	91.27 5.19 -29.70	88.37 4.98 -26.83
NEG CAPITAL___MECHNVIL 23645	112.19 4.07 -49.11	104.05 3.77 -42.18	98.51 3.72 -38.34	95.03 3.72 -34.92	98.12 3.78 -37.89	104.51 3.89 -43.50	110.02 4.16 -46.36	121.38 3.74 -61.80	118.00 4.05 -56.07	106.30 4.06 -43.36	106.74 3.83 -45.77	97.45 3.73 -37.22	94.84 3.73 -34.61	91.26 3.61 -31.26	92.44 3.66 -32.40	97.04 3.89 -36.77	110.02 4.35 -46.85	140.25 4.71 -72.72	141.84 4.70 -75.24	121.01 4.33 -57.37	107.26 4.27 -44.48	107.41 4.01 -46.89	97.85 3.89 -37.58	94.29 3.79 -33.94
NEG CENTRAL_HIGH_ACRES 23767	61.74 -1.83 -4.57	59.81 -2.21 -3.92	57.81 -2.20 -3.56	57.37 -2.26 -3.25	57.71 -2.26 -3.52	59.11 -2.05 -4.04	61.78 -2.02 -4.31	59.07 -2.51 -5.74	60.20 -2.89 -5.21	60.38 -2.53 -4.03	58.66 -2.74 -4.25	57.36 -2.60 -3.46	57.06 -2.65 -3.22	56.47 -2.82 -2.91	56.58 -2.82 -3.01	56.93 -2.87 -3.42	60.42 -2.76 -4.35	67.00 -2.58 -6.76	66.47 -2.41 -6.99	62.21 -2.43 -5.33	59.96 -2.69 -4.13	58.09 -2.77 -4.36	57.00 -2.87 -3.49	57.51 -2.21 -3.16
NEG CENTRAL___DRP 24199	64.38 0.30 -5.07	62.40 -0.06 -4.36	60.35 -0.06 -3.96	59.82 -0.17 -3.61	60.25 -0.11 -3.91	61.67 0.06 -4.49	64.58 0.30 -4.79	62.17 -0.06 -6.38	63.44 -0.23 -5.79	63.30 -0.06 -4.48	61.58 -0.29 -4.73	60.12 -0.23 -3.85	59.74 -0.34 -3.57	59.16 -0.45 -3.23	59.22 -0.51 -3.35	59.90 -0.28 -3.80	63.66 0.00 -4.84	70.70 0.38 -7.51	70.10 0.43 -7.77	65.54 0.30 -5.93	63.17 0.06 -4.59	61.17 -0.17 -4.84	59.87 -0.39 -3.88	60.07 0.00 -3.51
NEG CENTRAL___INDECK 23768	66.82 1.12 -6.69	64.31 0.46 -5.75	62.12 0.45 -5.23	61.43 0.28 -4.76	61.95 0.34 -5.16	63.74 0.69 -5.93	66.76 0.95 -6.32	64.43 0.17 -8.42	65.18 -0.35 -7.64	64.73 -0.06 -5.91	62.70 -0.68 -6.24	61.01 -0.56 -5.07	60.65 -0.56 -4.72	59.74 -0.90 -4.26	59.89 -0.90 -4.42	60.72 -0.67 -5.01	65.21 0.00 -6.39	73.48 0.76 -9.91	73.08 0.93 -10.26	67.79 0.65 -7.82	64.81 0.24 -6.06	62.72 -0.17 -6.39	61.11 -0.39 -5.12	61.70 0.51 -4.63



NEG CENTRAL___SENECA 23627	65.16 0.53 -5.63	63.05 0.12 -4.83	60.95 0.11 -4.39	60.33 -0.06 -4.00	60.84 0.06 -4.34	62.44 0.34 -4.98	65.40 0.59 -5.31	62.97 0.06 -7.08	64.07 -0.23 -6.42	63.85 0.00 -4.97	62.10 -0.29 -5.24	60.54 -0.23 -4.26	60.12 -0.34 -3.96	59.46 -0.51 -3.58	59.53 -0.56 -3.71	60.31 -0.28 -4.21	64.25 0.06 -5.37	71.59 0.44 -8.33	71.07 0.56 -8.62	66.30 0.42 -6.57	63.73 0.12 -5.09	61.70 -0.17 -5.37	60.29 -0.39 -4.30	60.62 0.17 -3.89
NEG CENTRAL___STATE_STREET 24147	64.44 0.47 -4.96	62.59 0.23 -4.26	60.49 0.17 -3.87	60.02 0.11 -3.53	60.44 0.17 -3.83	61.80 0.29 -4.39	64.71 0.54 -4.68	62.36 0.28 -6.24	63.83 0.29 -5.66	63.67 0.41 -4.38	62.05 0.29 -4.62	60.60 0.34 -3.76	60.22 0.23 -3.50	59.71 0.17 -3.16	59.71 0.06 -3.27	60.32 0.23 -3.71	64.09 0.53 -4.73	71.04 0.88 -7.35	70.36 0.87 -7.60	65.82 0.71 -5.80	63.54 0.53 -4.49	61.52 0.28 -4.74	60.18 0.00 -3.80	60.27 0.28 -3.43
NEG MILLWOOD___DRP 24198	103.92 5.72 -39.19	97.10 5.35 -33.66	92.17 5.14 -30.59	89.27 5.02 -27.87	91.65 4.97 -30.24	96.86 5.03 -34.71	101.67 5.18 -36.99	110.40 5.25 -49.32	108.41 5.79 -44.74	99.49 6.01 -34.60	99.32 5.66 -36.52	91.74 5.54 -29.71	89.54 5.42 -27.62	86.69 5.36 -24.95	87.48 5.24 -25.85	91.03 5.30 -29.35	102.15 5.94 -37.38	127.57 6.72 -58.03	128.56 6.62 -60.04	111.44 6.35 -45.78	100.10 6.09 -35.49	99.74 5.82 -37.42	91.89 5.53 -29.99	89.02 5.37 -27.09
NEG NORTH_FLCN_SEA 23793	58.89 -0.12 0.00	58.39 0.29 0.00	56.61 0.17 0.00	56.33 -0.06 0.00	56.27 -0.17 0.00	56.78 -0.34 0.00	58.01 -1.49 0.00	54.89 -0.95 0.00	56.89 -0.98 0.00	57.65 -1.24 0.00	56.06 -1.09 0.00	55.48 -1.02 0.00	55.48 -1.02 0.00	55.03 -1.35 0.00	55.20 -1.18 0.00	55.48 -0.90 0.00	57.94 -0.88 0.00	61.50 -1.32 0.00	60.35 -1.55 0.00	57.77 -1.54 0.00	57.35 -1.17 0.00	55.37 -1.13 0.00	55.26 -1.13 0.00	56.05 -0.51 0.00
NEG NORTH_KES_CHATEGAY 23792	58.06 -0.94 0.00	57.58 -0.52 0.00	55.88 -0.56 0.00	55.65 -0.73 0.00	55.54 -0.90 0.00	56.03 -1.09 0.00	57.65 -1.84 0.00	54.56 -1.28 0.00	56.55 -1.33 0.00	57.29 -1.59 0.00	55.71 -1.43 0.00	55.14 -1.36 0.00	55.14 -1.36 0.00	54.75 -1.64 0.00	54.92 -1.47 0.00	55.20 -1.18 0.00	57.53 -1.29 0.00	61.06 -1.76 0.00	59.98 -1.92 0.00	57.42 -1.90 0.00	56.94 -1.58 0.00	55.03 -1.47 0.00	54.97 -1.41 0.00	55.26 -1.30 0.00
NEG NORTH___ALICE_FALLS 23915	59.07 0.06 0.00	58.57 0.46 0.00	56.78 0.34 0.00	56.50 0.11 0.00	56.39 -0.06 0.00	56.89 -0.23 0.00	58.37 -1.13 0.00	55.28 -0.56 0.00	57.30 -0.58 0.00	58.06 -0.82 0.00	56.46 -0.69 0.00	55.88 -0.62 0.00	55.88 -0.62 0.00	55.37 -1.01 0.00	55.59 -0.79 0.00	55.88 -0.51 0.00	58.35 -0.47 0.00	62.00 -0.82 0.00	60.84 -1.05 0.00	58.19 -1.13 0.00	57.70 -0.82 0.00	55.77 -0.73 0.00	55.59 -0.79 0.00	56.16 -0.40 0.00
NEG NORTH___LWR_SARANAC 23913	59.07 0.06 0.00	58.57 0.46 0.00	56.78 0.34 0.00	56.50 0.11 0.00	56.39 -0.06 0.00	56.89 -0.23 0.00	58.37 -1.13 0.00	55.28 -0.56 0.00	57.30 -0.58 0.00	58.06 -0.82 0.00	56.46 -0.69 0.00	55.88 -0.62 0.00	55.88 -0.62 0.00	55.37 -1.01 0.00	55.59 -0.79 0.00	55.88 -0.51 0.00	58.35 -0.47 0.00	62.00 -0.82 0.00	60.84 -1.05 0.00	58.19 -1.13 0.00	57.70 -0.82 0.00	55.77 -0.73 0.00	55.59 -0.79 0.00	56.16 -0.40 0.00
NEG NORTH___PLATTSBURG 23628	59.07 0.06 0.00	58.56 0.46 0.00	56.78 0.34 0.00	56.50 0.11 0.00	56.39 -0.06 0.00	56.89 -0.23 0.00	58.36 -1.13 0.00	55.23 -0.61 0.00	57.30 -0.58 0.00	58.06 -0.82 0.00	56.46 -0.68 0.00	55.88 -0.62 0.00	55.88 -0.62 0.00	55.37 -1.01 0.00	55.54 -0.84 0.00	55.87 -0.51 0.00	58.35 -0.47 0.00	62.00 -0.82 0.00	60.84 -1.05 0.00	58.19 -1.13 0.00	57.70 -0.82 0.00	55.76 -0.74 0.00	55.59 -0.79 0.00	56.17 -0.39 0.00
NEG WEST_LEA_LOCKPORT 23791	60.23 -4.48 -5.71	57.89 -5.11 -4.90	55.99 -4.91 -4.45	55.31 -5.13 -4.06	56.05 -4.80 -4.40	57.49 -4.68 -5.05	59.82 -5.06 -5.38	56.88 -6.14 -7.18	57.45 -6.95 -6.51	57.38 -6.54 -5.04	55.77 -6.69 -5.32	54.33 -6.50 -4.33	53.97 -6.55 -4.02	53.31 -6.71 -3.63	53.27 -6.88 -3.76	53.83 -6.82 -4.27	57.50 -6.76 -5.44	64.48 -6.78 -8.45	64.08 -6.56 -8.74	59.46 -6.52 -6.67	56.90 -6.79 -5.17	55.28 -6.67 -5.45	54.21 -6.54 -4.36	55.53 -4.98 -3.94
NEG WEST___LANCASTR 23811	61.00 -4.60 -6.59	58.48 -5.29 -5.66	56.62 -4.97 -5.15	55.77 -5.30 -4.69	56.73 -4.80 -5.09	58.22 -4.74 -5.84	60.78 -4.94 -6.22	58.50 -5.64 -8.30	59.04 -6.37 -7.53	58.70 -6.01 -5.82	57.17 -6.11 -6.14	55.56 -5.93 -5.00	55.16 -5.99 -4.65	54.38 -6.20 -4.20	54.42 -6.31 -4.35	55.12 -6.20 -4.94	59.05 -6.06 -6.29	66.55 -6.03 -9.76	66.12 -5.88 -10.10	61.14 -5.87 -7.70	58.46 -6.03 -5.97	56.81 -5.99 -6.30	55.39 -6.03 -5.04	56.37 -4.75 -4.56
NEG_PENN_ALLEGHNY 23528	72.49 0.83 -12.66	69.44 0.46 -10.87	66.78 0.45 -9.88	65.78 0.40 -9.00	66.78 0.56 -9.77	68.96 0.63 -11.21	72.22 0.77 -11.95	72.22 0.44 -15.93	72.68 0.35 -14.45	70.59 0.53 -11.18	69.29 0.34 -11.80	66.44 0.34 -9.60	65.76 0.34 -8.92	64.67 0.23 -8.06	64.96 0.23 -8.35	66.15 0.28 -9.48	71.49 0.59 -12.08	82.51 0.94 -18.75	82.22 0.93 -19.40	74.93 0.83 -14.79	70.63 0.64 -11.47	69.04 0.45 -12.09	66.35 0.28 -9.69	65.99 0.68 -8.75
NEG___GEN_MONROE 24207	62.28 -1.48 -4.75	60.20 -1.98 -4.08	58.18 -1.98 -3.71	57.67 -2.09 -3.38	58.13 -1.98 -3.66	59.56 -1.77 -4.21	62.13 -1.84 -4.48	59.19 -2.62 -5.98	60.29 -3.01 -5.42	60.48 -2.59 -4.19	58.77 -2.80 -4.43	57.44 -2.66 -3.60	57.08 -2.77 -3.35	56.36 -3.04 -3.02	56.36 -3.16 -3.13	56.78 -3.16 -3.56	60.41 -2.94 -4.53	67.21 -2.64 -7.03	66.63 -2.54 -7.28	62.31 -2.55 -5.55	60.07 -2.75 -4.30	58.21 -2.82 -4.53	57.14 -2.88 -3.63	57.92 -1.92 -3.28
NEPA___ENERGY 23901	62.85 -2.89 -6.74	60.28 -3.60 -5.79	58.32 -3.39 -5.26	57.51 -3.66 -4.79	58.54 -3.10 -5.20	60.06 -3.03 -5.97	62.64 -3.21 -6.36	60.30 -4.02 -8.48	60.88 -4.69 -7.69	60.53 -4.30 -5.95	59.02 -4.40 -6.28	57.37 -4.24 -5.11	56.95 -4.29 -4.75	56.10 -4.57 -4.29	56.15 -4.68 -4.44	56.86 -4.57 -5.04	60.90 -4.35 -6.43	68.58 -4.21 -9.97	68.19 -4.02 -10.32	63.09 -4.09 -7.87	60.35 -4.27 -6.10	58.58 -4.35 -6.43	57.14 -4.40 -5.15	58.11 -3.11 -4.66
NEVERSINK___HYD 23608	98.62 4.72 -34.89	92.36 4.30 -29.96	87.74 4.07 -27.23	85.08 3.89 -24.81	87.31 3.95 -26.92	92.02 4.00 -30.90	96.71 4.29 -32.93	103.87 4.13 -43.90	102.17 4.46 -39.83	94.33 4.65 -30.80	93.88 4.23 -32.51	87.01 4.07 -26.44	83.40 2.32 -24.59	80.73 2.14 -22.21	81.54 2.14 -23.01	84.87 2.37 -26.12	95.16 3.06 -33.28	117.99 3.52 -51.66	118.87 3.53 -53.45	103.51 3.44 -40.75	95.15 5.03 -31.60	94.50 4.69 -33.31	87.53 4.45 -26.69	84.97 4.30 -24.11
NEWKRMKL_115KV_TB1 55635	109.78 2.60 -48.17	102.26 2.79 -41.37	96.81 2.77 -37.60	93.35 2.71 -34.26	96.38 2.77 -37.17	102.65 2.86 -42.67	107.94 2.97 -45.47	118.75 2.29 -60.62	115.31 2.43 -55.00	104.06 2.65 -42.53	104.55 2.51 -44.89	95.61 2.60 -36.51	92.99 2.54 -33.95	89.58 2.54 -30.66	90.70 2.54 -31.78	94.82 2.37 -36.07	106.89 2.12 -45.95	136.40 2.26 -71.33	137.93 2.23 -73.81	117.66 2.08 -56.27	104.25 2.11 -43.63	104.53 2.03 -46.00	95.44 2.20 -36.86	92.23 2.38 -33.30

NEWTON___FALLS_HYD 23847	58.77 -1.30 -1.07	58.09 -0.93 -0.91	56.43 -0.85 -0.83	56.30 -0.85 -0.76	56.36 -0.90 -0.82	56.81 -1.26 -0.94	59.01 -1.49 -1.01	56.29 -0.89 -1.34	58.23 -0.87 -1.22	58.59 -1.24 -0.94	57.11 -1.03 -0.99	56.18 -1.13 -0.81	56.01 -1.24 -0.75	55.88 -1.18 -0.68	55.90 -1.18 -0.70	56.17 -1.01 -0.80	58.72 -1.12 -1.02	62.76 -1.63 -1.58	61.92 -1.61 -1.63	59.19 -1.36 -1.24	58.37 -1.11 -0.96	56.44 -1.07 -1.02	56.24 -0.96 -0.82	56.28 -1.02 -0.74
NGRID_A1_DSASP 323792	60.08 -4.72 -5.80	57.79 -5.29 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.46 -4.80 -5.13	59.39 -5.53 -5.42	56.54 -6.59 -7.29	57.03 -7.47 -6.62	56.93 -7.07 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.63 -6.95 -4.08	52.80 -7.27 -3.69	52.99 -7.22 -3.82	53.39 -7.33 -4.34	57.00 -7.36 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.80 -7.23 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
NGRID_A2_DSASP 323793	60.08 -4.72 -5.80	57.79 -5.29 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.46 -4.80 -5.13	59.39 -5.53 -5.42	56.54 -6.59 -7.29	57.03 -7.47 -6.62	56.93 -7.07 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.63 -6.95 -4.08	52.80 -7.27 -3.69	52.99 -7.22 -3.82	53.39 -7.33 -4.34	57.00 -7.36 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.80 -7.23 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
NGRID_A4_DSASP 323807	60.08 -4.72 -5.80	57.79 -5.29 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.46 -4.80 -5.13	59.39 -5.53 -5.42	56.54 -6.59 -7.29	57.03 -7.47 -6.62	56.93 -7.07 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.63 -6.95 -4.08	52.80 -7.27 -3.69	52.99 -7.22 -3.82	53.39 -7.33 -4.34	57.00 -7.36 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.80 -7.23 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
NIAGARA_115E_LBMP 323715	59.86 -4.96 -5.81	57.57 -5.52 -4.99	55.67 -5.31 -4.54	54.93 -5.58 -4.13	55.68 -5.25 -4.48	57.24 -5.03 -5.15	59.38 -5.59 -5.48	56.51 -6.65 -7.31	56.99 -7.52 -6.63	56.94 -7.07 -5.13	55.36 -7.20 -5.42	53.90 -7.01 -4.40	53.59 -7.01 -4.10	52.81 -7.27 -3.70	53.00 -7.22 -3.83	53.41 -7.33 -4.35	57.01 -7.36 -5.54	63.94 -7.48 -8.60	63.56 -7.24 -8.90	58.98 -7.12 -6.79	56.40 -7.37 -5.26	54.82 -7.23 -5.55	53.78 -7.05 -4.44	55.15 -5.43 -4.02
NIAGARA_115W_LBMP 323714	59.96 -4.84 -5.79	57.67 -5.40 -4.97	55.77 -5.19 -4.52	55.03 -5.47 -4.12	55.83 -5.08 -4.47	57.33 -4.91 -5.13	59.26 -5.65 -5.41	56.36 -6.76 -7.28	56.85 -7.64 -6.61	56.81 -7.19 -5.11	55.22 -7.31 -5.39	53.77 -7.12 -4.39	53.46 -7.12 -4.08	52.68 -7.38 -3.68	52.87 -7.33 -3.82	53.27 -7.44 -4.33	56.82 -7.53 -5.52	63.78 -7.60 -8.57	63.33 -7.43 -8.87	58.84 -7.24 -6.76	56.27 -7.49 -5.24	54.68 -7.34 -5.53	53.67 -7.11 -4.39	55.19 -5.37 -4.00
NIAGARA_230_LBMP 323716	60.53 -4.19 -5.71	58.24 -4.76 -4.90	56.33 -4.57 -4.46	55.65 -4.79 -4.06	56.39 -4.46 -4.41	57.89 -4.28 -5.06	60.19 -4.70 -5.39	57.28 -5.75 -7.19	57.80 -6.60 -6.52	57.74 -6.18 -5.04	56.12 -6.34 -5.32	54.67 -6.16 -4.33	54.37 -6.16 -4.03	53.59 -6.43 -3.64	53.78 -6.37 -3.77	54.18 -6.48 -4.28	57.80 -6.47 -5.45	64.80 -6.47 -8.46	64.33 -6.31 -8.75	59.76 -6.23 -6.67	57.25 -6.44 -5.17	55.63 -6.33 -5.45	54.61 -6.14 -4.37	55.93 -4.58 -3.95
NIAGARA___115KV_198_GIBSON 55903	59.96 -4.84 -5.79	57.61 -5.46 -4.97	55.77 -5.19 -4.52	55.03 -5.47 -4.12	55.83 -5.08 -4.47	57.28 -4.97 -5.13	59.26 -5.65 -5.41	56.31 -6.81 -7.28	56.90 -7.58 -6.61	56.75 -7.24 -5.11	55.22 -7.31 -5.39	53.77 -7.12 -4.39	53.40 -7.18 -4.08	52.68 -7.39 -3.68	52.65 -7.56 -3.82	53.27 -7.44 -4.33	56.82 -7.53 -5.52	63.79 -7.60 -8.57	63.33 -7.43 -8.87	58.84 -7.24 -6.76	56.27 -7.49 -5.24	54.68 -7.34 -5.53	53.67 -7.10 -4.39	55.19 -5.37 -4.00
NIAGARA____ 23760	60.62 -4.19 -5.80	58.32 -4.76 -4.98	56.40 -4.57 -4.53	55.72 -4.79 -4.12	56.46 -4.46 -4.48	57.97 -4.28 -5.14	60.24 -4.70 -5.45	57.35 -5.75 -7.26	57.87 -6.60 -6.59	57.80 -6.18 -5.10	56.18 -6.34 -5.38	54.72 -6.16 -4.37	54.41 -6.16 -4.07	53.63 -6.43 -3.67	53.82 -6.37 -3.81	54.22 -6.48 -4.32	57.86 -6.47 -5.50	64.89 -6.47 -8.54	64.42 -6.31 -8.84	59.82 -6.23 -6.74	57.30 -6.44 -5.22	55.68 -6.33 -5.51	54.65 -6.14 -4.41	55.99 -4.58 -4.01
NINE_MILE_1 23575	59.65 -1.77 -2.41	58.31 -1.86 -2.07	56.52 -1.81 -1.88	56.24 -1.86 -1.71	56.44 -1.86 -1.86	57.42 -1.83 -2.13	59.99 -1.78 -2.27	57.03 -1.84 -3.03	58.66 -1.97 -2.75	59.12 -1.89 -2.13	57.44 -1.94 -2.25	56.46 -1.86 -1.83	56.33 -1.86 -1.70	56.00 -1.92 -1.53	56.00 -1.98 -1.59	56.27 -1.92 -1.80	59.24 -1.88 -2.30	64.50 -1.88 -3.57	63.73 -1.86 -3.69	60.29 -1.84 -2.81	58.82 -1.87 -2.18	56.94 -1.86 -2.30	56.25 -1.98 -1.84	56.41 -1.81 -1.67
NINE_MILE_2 23744	59.64 -1.77 -2.40	58.30 -1.86 -2.06	56.51 -1.81 -1.88	56.23 -1.86 -1.71	56.49 -1.81 -1.86	57.48 -1.77 -2.13	59.98 -1.78 -2.27	57.02 -1.84 -3.03	58.66 -1.97 -2.75	59.12 -1.89 -2.12	57.44 -1.94 -2.24	56.46 -1.86 -1.82	56.33 -1.86 -1.69	56.00 -1.92 -1.53	55.99 -1.98 -1.59	56.27 -1.92 -1.80	59.23 -1.88 -2.29	64.49 -1.88 -3.56	63.72 -1.86 -3.68	60.28 -1.84 -2.81	58.82 -1.87 -2.18	56.93 -1.86 -2.30	56.25 -1.98 -1.84	56.41 -1.81 -1.66
NM_CAPITAL___DRP 24208	109.65 2.60 -48.05	102.15 2.79 -41.26	96.66 2.71 -37.51	93.26 2.71 -34.17	96.22 2.71 -37.07	102.48 2.80 -42.56	107.76 2.92 -45.35	118.59 2.29 -60.46	115.22 2.49 -54.85	103.95 2.65 -42.41	104.49 2.57 -44.77	95.52 2.60 -36.42	92.96 2.60 -33.86	89.56 2.59 -30.58	90.67 2.59 -31.69	94.78 2.42 -35.98	106.95 2.29 -45.83	136.34 2.39 -71.14	137.86 2.35 -73.61	117.63 2.19 -56.12	104.25 2.22 -43.51	104.52 2.15 -45.88	95.46 2.31 -36.76	92.20 2.43 -33.21
NM_CENTRAL___DRP 24181	62.07 -0.41 -3.48	60.45 -0.64 -2.99	58.54 -0.62 -2.71	58.18 -0.68 -2.47	58.51 -0.62 -2.68	59.63 -0.57 -3.08	62.30 -0.48 -3.28	59.60 -0.61 -4.38	61.15 -0.69 -3.97	61.42 -0.53 -3.07	59.75 -0.63 -3.24	58.51 -0.62 -2.64	58.33 -0.62 -2.45	57.92 -0.68 -2.21	57.94 -0.73 -2.29	58.31 -0.68 -2.60	61.61 -0.53 -3.32	67.59 -0.38 -5.15	66.85 -0.37 -5.33	62.96 -0.42 -4.06	61.14 -0.53 -3.15	59.20 -0.62 -3.32	58.31 -0.73 -2.66	58.40 -0.57 -2.40
NM_FRONTIER___DRP 24179	59.96 -4.84 -5.79	57.61 -5.46 -4.97	55.77 -5.19 -4.52	55.03 -5.47 -4.12	55.83 -5.08 -4.47	57.28 -4.97 -5.13	59.26 -5.65 -5.41	56.31 -6.81 -7.28	56.90 -7.58 -6.61	56.75 -7.24 -5.11	55.22 -7.31 -5.39	53.77 -7.12 -4.39	53.40 -7.18 -4.08	52.68 -7.39 -3.68	52.65 -7.56 -3.82	53.27 -7.44 -4.33	56.82 -7.53 -5.52	63.79 -7.60 -8.57	63.33 -7.43 -8.87	58.84 -7.24 -6.76	56.27 -7.49 -5.24	54.68 -7.34 -5.53	53.67 -7.10 -4.39	55.19 -5.37 -4.00
NM_ST_REGIS___HYD 24053	56.65 -2.36 0.00	56.53 -1.57 0.00	54.98 -1.47 0.00	54.92 -1.47 0.00	54.86 -1.58 0.00	55.01 -2.11 0.00	56.70 -2.80 0.00	54.05 -1.79 0.00	56.03 -1.85 0.00	56.47 -2.41 0.00	55.20 -1.94 0.00	54.52 -1.98 0.00	54.52 -1.98 0.00	54.35 -2.03 0.00	54.47 -1.92 0.00	54.52 -1.86 0.00	56.47 -2.35 0.00	59.55 -3.27 0.00	58.68 -3.22 0.00	56.47 -2.85 0.00	56.24 -2.28 0.00	54.47 -2.03 0.00	54.69 -1.69 0.00	54.75 -1.81 0.00

NORTHPORT___1 23551	124.86 6.37 -59.48	111.89 5.99 -47.80	104.18 5.70 -42.04	99.80 5.64 -37.78	106.42 5.70 -44.28	111.94 5.88 -48.93	109.48 6.19 -43.80	118.74 5.86 -57.04	121.97 6.20 -57.89	112.42 6.48 -47.06	112.32 6.17 -49.00	108.13 6.05 -45.58	104.38 6.05 -41.83	103.40 5.97 -41.04	111.71 5.97 -49.35	115.16 6.09 -52.69	145.59 6.47 -80.30	155.97 7.10 -86.06	157.22 6.99 -88.34	152.08 6.70 -86.06	149.20 6.55 -84.13	124.61 6.22 -61.90	114.09 6.09 -51.61	109.33 6.05 -46.71
NORTHPORT___2 23552	124.86 6.37 -59.48	111.89 5.99 -47.80	104.18 5.70 -42.04	99.80 5.64 -37.78	106.42 5.70 -44.28	111.94 5.88 -48.93	109.48 6.19 -43.80	118.74 5.86 -57.04	121.97 6.20 -57.89	112.42 6.48 -47.06	112.32 6.17 -49.00	108.13 6.05 -45.58	104.38 6.05 -41.83	103.40 5.97 -41.04	111.71 5.97 -49.35	115.16 6.09 -52.69	145.59 6.47 -80.30	155.97 7.10 -86.06	157.22 6.99 -88.34	152.08 6.70 -86.06	149.20 6.55 -84.13	124.61 6.22 -61.90	114.09 6.09 -51.61	109.33 6.05 -46.71
NORTHPORT___3 23553	124.44 5.96 -59.48	111.42 5.52 -47.80	103.73 5.25 -42.04	99.29 5.13 -37.78	106.03 5.30 -44.28	111.42 5.37 -48.93	108.83 5.53 -43.80	118.18 5.31 -57.04	121.45 5.68 -57.89	111.88 5.94 -47.06	111.86 5.71 -49.00	107.67 5.59 -45.58	103.98 5.65 -41.83	103.01 5.58 -41.04	111.26 5.53 -49.35	114.71 5.64 -52.69	145.18 6.06 -80.30	154.91 6.03 -86.06	155.99 5.76 -88.34	151.25 5.87 -86.06	148.62 5.97 -84.13	124.27 5.88 -61.90	113.69 5.69 -51.61	108.82 5.55 -46.71
NORTHPORT___4 23650	124.44 5.96 -59.48	111.42 5.52 -47.80	103.73 5.25 -42.04	99.29 5.13 -37.78	106.03 5.30 -44.28	111.42 5.37 -48.93	108.83 5.53 -43.80	118.18 5.31 -57.04	121.45 5.68 -57.89	111.88 5.94 -47.06	111.86 5.71 -49.00	107.67 5.59 -45.58	103.98 5.65 -41.83	103.01 5.58 -41.04	111.26 5.53 -49.35	114.71 5.64 -52.69	145.18 6.06 -80.30	154.91 6.03 -86.06	155.99 5.76 -88.34	151.25 5.87 -86.06	148.62 5.97 -84.13	124.27 5.88 -61.90	113.69 5.69 -51.61	108.82 5.55 -46.71
NORTHPORT___IC 23718	124.86 6.37 -59.48	111.89 5.99 -47.80	104.18 5.70 -42.04	99.80 5.64 -37.78	106.42 5.70 -44.28	111.94 5.88 -48.93	109.48 6.19 -43.80	118.74 5.86 -57.04	121.97 6.20 -57.89	112.42 6.48 -47.06	112.32 6.17 -49.00	108.13 6.05 -45.58	104.38 6.05 -41.83	103.40 5.97 -41.04	111.71 5.97 -49.35	115.16 6.09 -52.69	145.59 6.47 -80.30	155.97 7.10 -86.06	157.22 6.99 -88.34	152.08 6.70 -86.06	149.20 6.55 -84.13	124.61 6.22 -61.90	114.09 6.09 -51.61	109.33 6.05 -46.71
NORTH___COUNTRY_ESR 323785	57.76 -1.24 0.00	57.29 -0.81 0.00	55.60 -0.85 0.00	55.37 -1.01 0.00	55.26 -1.19 0.00	55.75 -1.37 0.00	57.36 -2.14 0.00	54.28 -1.56 0.00	56.26 -1.62 0.00	56.94 -1.94 0.00	55.48 -1.66 0.00	54.86 -1.64 0.00	54.86 -1.64 0.00	54.52 -1.86 0.00	54.63 -1.75 0.00	54.92 -1.47 0.00	57.29 -1.53 0.00	60.75 -2.07 0.00	59.67 -2.23 0.00	57.12 -2.19 0.00	56.64 -1.87 0.00	54.75 -1.75 0.00	54.69 -1.69 0.00	55.04 -1.52 0.00
NPX_GEN_1385_PROXY 323591	123.26 4.78 -59.48	110.49 4.59 -47.80	102.83 4.35 -42.04	98.90 4.74 -37.78	105.07 4.35 -44.28	110.74 4.68 -48.93	108.53 5.77 -43.26	118.60 5.19 -57.57	121.21 5.44 -57.89	111.77 5.83 -47.06	111.06 4.91 -49.00	106.88 4.80 -45.58	103.13 4.80 -41.83	102.16 4.74 -41.04	110.47 4.74 -49.35	113.92 4.85 -52.69	124.47 4.82 -60.82	150.47 5.34 -82.32	139.43 5.26 -72.28	128.23 5.04 -63.88	120.70 4.92 -57.27	117.20 4.69 -56.01	112.73 4.74 -51.61	108.25 4.98 -46.71
NPX_GEN_CSC 323557	125.27 6.78 -59.48	112.52 6.62 -47.80	104.75 6.26 -42.04	100.42 6.26 -37.78	107.04 6.32 -44.28	112.39 6.34 -48.93	108.42 5.66 -43.26	118.82 5.41 -57.57	121.45 5.68 -57.89	112.30 6.36 -47.06	113.17 7.03 -49.00	108.69 6.61 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.27 6.54 -49.35	116.06 6.99 -52.69	146.00 6.88 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.37 7.00 -86.06	149.43 6.78 -84.13	124.89 6.49 -61.90	114.59 6.59 -51.61	109.72 6.45 -46.71
NSINS_S_GLNS_FALLS 23858	113.16 4.72 -49.43	104.91 4.36 -42.45	99.26 4.23 -38.59	95.77 4.23 -35.15	98.93 4.35 -38.14	105.48 4.57 -43.79	111.04 4.88 -46.66	122.45 4.41 -62.20	119.18 4.86 -56.44	107.29 4.77 -43.64	107.67 4.46 -46.07	98.20 4.24 -37.47	95.52 4.18 -34.84	91.85 4.00 -31.46	93.05 4.06 -32.61	97.91 4.51 -37.01	111.09 5.12 -47.15	141.72 5.72 -73.19	143.32 5.69 -75.74	122.28 5.22 -57.74	108.38 5.09 -44.77	108.45 4.75 -47.20	98.66 4.45 -37.82	95.02 4.30 -34.17
NUCOR_STEEL___DRP 24197	64.29 0.53 -4.75	62.47 0.29 -4.08	60.44 0.28 -3.71	59.99 0.23 -3.38	60.39 0.28 -3.67	61.67 0.34 -4.21	64.52 0.54 -4.49	62.10 0.28 -5.98	63.54 0.23 -5.43	63.43 0.35 -4.20	61.80 0.23 -4.43	60.39 0.28 -3.60	60.02 0.17 -3.35	59.52 0.11 -3.03	59.58 0.06 -3.14	60.11 0.17 -3.56	63.77 0.41 -4.53	70.61 0.75 -7.04	69.92 0.74 -7.28	65.52 0.65 -5.55	63.29 0.47 -4.31	61.32 0.28 -4.54	60.08 0.06 -3.64	60.19 0.34 -3.29
NUMBER_THREE_WT_PWR 323818	61.67 1.18 -1.48	60.53 1.16 -1.27	58.67 1.07 -1.16	58.50 1.07 -1.05	58.72 1.13 -1.14	59.46 1.03 -1.31	62.08 1.19 -1.40	58.99 1.29 -1.86	60.96 1.39 -1.69	61.54 1.36 -1.31	59.78 1.26 -1.38	58.64 1.02 -1.12	58.44 0.90 -1.04	58.23 0.90 -0.94	58.26 0.90 -0.98	58.62 1.13 -1.11	61.71 1.47 -1.41	66.51 1.51 -2.19	65.65 1.48 -2.27	62.41 1.37 -1.73	61.14 1.29 -1.34	59.04 1.13 -1.41	58.47 0.96 -1.13	58.66 1.07 -1.02
NYISO_LBMP_REFERENCE 24008	59.01 0.00 0.00	58.10 0.00 0.00	56.44 0.00 0.00	56.38 0.00 0.00	56.44 0.00 0.00	57.12 0.00 0.00	59.50 0.00 0.00	55.84 0.00 0.00	57.88 0.00 0.00	58.88 0.00 0.00	57.14 0.00 0.00	56.50 0.00 0.00	56.50 0.00 0.00	56.38 0.00 0.00	56.38 0.00 0.00	56.38 0.00 0.00	58.82 0.00 0.00	62.82 0.00 0.00	61.89 0.00 0.00	59.31 0.00 0.00	58.52 0.00 0.00	56.50 0.00 0.00	56.38 0.00 0.00	56.56 0.00 0.00
NYPA_BRENTWD___GT 24164	125.74 7.26 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.73 6.68 -48.93	110.13 6.84 -43.80	119.30 6.42 -57.04	122.54 6.77 -57.89	113.06 7.12 -47.06	113.05 6.91 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.13 6.71 -41.04	112.44 6.71 -49.35	115.95 6.88 -52.69	146.47 7.35 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	153.08 7.71 -86.06	150.14 7.49 -84.13	125.46 7.06 -61.90	114.87 6.88 -51.61	110.06 6.78 -46.71
NYPA_GOWANUS___GT5 24156	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94
NYPA_GOWANUS___GT6 24157	106.33 6.02 -41.30	98.60 5.58 -34.92	92.32 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.77 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.66 5.77 -66.40	131.17 5.64 -69.15	131.22 5.64 -69.20	136.23 5.64 -74.21	134.29 6.17 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.23 5.81 -69.03	89.15 5.66 -26.94

NYPA_HARLEM__RVR__GT1 24160	108.23	99.76	91.96	89.03	91.73	99.90	101.78	120.45	155.83	174.22	178.59	193.37	149.07	92.35	168.86	175.21	106.47	133.15	144.11	118.93	200.85	163.60	164.53	89.04
	5.84	5.40	5.19	5.02	5.25	5.31	5.47	5.19	5.56	5.83	5.49	5.42	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.17	5.97	5.70	5.58	5.48
	-43.38	-36.25	-30.33	-27.63	-30.03	-37.46	-36.81	-59.41	-92.39	-109.51	-115.97	-131.45	-87.03	-30.50	-107.07	-113.41	-41.76	-63.87	-75.84	-53.45	-136.36	-101.39	-102.56	-26.99
NYPA_HARLEM__RVR__GT2 24161	108.23	99.76	91.96	89.03	91.73	99.90	101.78	120.45	155.83	174.22	178.59	193.37	149.07	92.35	168.86	175.21	106.47	133.15	144.11	118.93	200.85	163.60	164.53	89.04
	5.84	5.40	5.19	5.02	5.25	5.31	5.47	5.19	5.56	5.83	5.49	5.42	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.17	5.97	5.70	5.58	5.48
	-43.38	-36.25	-30.33	-27.63	-30.03	-37.46	-36.81	-59.41	-92.39	-109.51	-115.97	-131.45	-87.03	-30.50	-107.07	-113.41	-41.76	-63.87	-75.84	-53.45	-136.36	-101.39	-102.56	-26.99
NYPA_KENT____GT 24152	106.27	98.54	92.20	89.27	91.88	98.54	101.84	115.67	133.61	139.70	141.68	146.12	128.54	131.12	131.12	136.17	134.18	176.01	178.68	163.12	154.50	134.17	131.11	89.10
	5.96	5.52	5.42	5.24	5.42	5.37	5.59	5.31	5.68	5.94	5.66	5.59	5.65	5.58	5.53	5.58	6.06	6.66	6.63	6.35	6.20	5.88	5.69	5.60
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA_POUCH1____GT 24155	106.10	98.36	92.20	89.27	91.88	98.37	101.61	115.45	133.43	139.47	141.46	145.89	128.37	130.95	130.95	136.00	134.06	175.95	178.68	163.06	154.44	134.12	131.00	88.93
	5.79	5.34	5.42	5.24	5.42	5.20	5.36	5.08	5.50	5.71	5.43	5.37	5.48	5.41	5.36	5.41	5.94	6.59	6.63	6.28	6.14	5.82	5.58	5.43
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA_VERNON____GT2 24162	106.21	98.48	92.09	89.15	91.76	98.54	101.79	115.61	133.55	139.65	141.63	146.06	128.49	131.06	131.05	136.06	134.06	175.89	178.55	163.00	154.33	134.06	131.05	89.04
	5.90	5.46	5.30	5.13	5.30	5.37	5.53	5.25	5.61	5.89	5.60	5.54	5.59	5.53	5.47	5.47	5.94	6.53	6.50	6.23	6.03	5.77	5.64	5.55
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA_VERNON____GT3 24163	106.21	98.48	92.09	89.15	91.76	98.54	101.79	115.61	133.55	139.65	141.63	146.06	128.49	131.06	131.05	136.06	134.06	175.89	178.55	163.00	154.33	134.06	131.05	89.04
	5.90	5.46	5.30	5.13	5.30	5.37	5.53	5.25	5.61	5.89	5.60	5.54	5.59	5.53	5.47	5.47	5.94	6.53	6.50	6.23	6.03	5.77	5.64	5.55
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA__ASTORIA_CC1 323568	106.15	98.48	92.03	89.15	91.71	98.49	101.72	115.61	133.55	139.59	141.57	146.00	128.44	131.00	131.00	136.00	134.00	175.83	178.43	162.88	154.27	134.00	131.00	88.98
	5.84	5.46	5.25	5.13	5.25	5.31	5.47	5.25	5.61	5.83	5.54	5.48	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.11	5.97	5.70	5.58	5.48
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA__ASTORIA_CC2 323569	106.15	98.48	92.03	89.15	91.71	98.49	101.72	115.61	133.55	139.59	141.57	146.00	128.44	131.00	131.00	136.00	134.00	175.83	178.43	162.88	154.27	134.00	131.00	88.98
	5.84	5.46	5.25	5.13	5.25	5.31	5.47	5.25	5.61	5.83	5.54	5.48	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.11	5.97	5.70	5.58	5.48
	-41.30	-34.92	-30.34	-27.64	-30.01	-36.05	-36.76	-54.53	-70.05	-74.88	-78.88	-84.02	-66.40	-69.15	-69.20	-74.21	-69.29	-106.54	-110.16	-97.46	-89.78	-71.80	-69.03	-26.94
NYPA__HOLTSVILL 23794	125.56	112.58	104.80	100.42	107.16	112.56	109.66	118.91	122.08	112.65	113.00	108.63	104.94	104.02	112.27	115.95	146.35	156.92	158.22	152.85	149.90	125.29	114.76	109.89
	7.08	6.68	6.32	6.26	6.43	6.51	6.37	6.03	6.31	6.71	6.85	6.55	6.61	6.59	6.54	6.88	7.23	8.04	7.99	7.47	7.25	6.89	6.76	6.61
	-59.48	-47.80	-42.04	-37.78	-44.28	-48.93	-43.80	-57.04	-57.89	-47.06	-49.00	-45.58	-41.83	-41.04	-49.35	-52.69	-80.30	-86.06	-88.34	-86.06	-84.13	-61.90	-51.61	-46.71
NYPA__HELLGATE_GT1 24158	104.06	97.07	91.96	89.03	91.68	97.06	101.65	110.65	111.11	104.91	104.38	98.46	93.83	169.67	93.08	96.75	161.54	201.33	195.95	206.97	107.64	104.36	97.42	88.91
	5.84	5.40	5.19	5.02	5.25	5.31	5.47	5.19	5.56	5.83	5.49	5.42	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.17	5.97	5.70	5.58	5.48
	-39.21	-33.57	-30.33	-27.63	-29.98	-34.63	-36.69	-49.62	-47.68	-40.19	-41.75	-36.53	-31.79	-107.82	-31.29	-34.95	-96.84	-132.04	-127.68	-141.49	-43.15	-42.15	-35.46	-26.87
NYPA__HELLGATE_GT2 24159	104.06	97.07	91.96	89.03	91.68	97.06	101.65	110.65	111.11	104.91	104.38	98.46	93.83	169.67	93.08	96.75	161.54	201.33	195.95	206.97	107.64	104.36	97.42	88.91
	5.84	5.40	5.19	5.02	5.25	5.31	5.47	5.19	5.56	5.83	5.49	5.42	5.54	5.47	5.41	5.41	5.88	6.47	6.38	6.17	5.97	5.70	5.58	5.48
	-39.21	-33.57	-30.33	-27.63	-29.98	-34.63	-36.69	-49.62	-47.68	-40.19	-41.75	-36.53	-31.79	-107.82	-31.29	-34.95	-96.84	-132.04	-127.68	-141.49	-43.15	-42.15	-35.46	-26.87
NYS_BARGE__HYD 23848	60.36	58.02	56.18	55.45	56.18	57.68	59.96	57.04	57.57	57.58	55.90	54.46	54.22	53.39	53.58	53.97	57.64	64.60	64.19	59.64	57.03	55.41	54.34	55.67
	-4.31	-4.94	-4.68	-4.96	-4.63	-4.46	-4.88	-5.92	-6.77	-6.30	-6.52	-6.33	-6.27	-6.60	-6.54	-6.65	-6.59	-6.59	-6.37	-6.29	-6.61	-6.50	-6.37	-4.81
	-5.66	-4.86	-4.42	-4.03	-4.37	-5.01	-5.34	-7.12	-6.46	-5.00	-5.28	-4.29	-3.99	-3.60	-3.73	-4.24	-5.40	-8.38	-8.67	-6.61	-5.13	-5.41	-4.33	-3.91
OAK ORCHARD__HYD 24046	62.47	60.40	58.43	57.92	58.32	59.75	62.39	59.53	60.53	60.74	58.96	57.64	57.33	56.73	56.84	57.14	60.78	67.46	67.00	62.62	60.32	58.45	57.39	58.06
	-1.24	-1.74	-1.69	-1.81	-1.75	-1.54	-1.55	-2.24	-2.72	-2.30	-2.57	-2.43	-2.48	-2.65	-2.65	-2.76	-2.53	-2.32	-2.10	-2.19	-2.46	-2.54	-2.59	-1.75
	-4.71	-4.04	-3.67	-3.35	-3.63	-4.17	-4.44	-5.92	-5.37	-4.15	-4.38	-3.57	-3.32	-2.99	-3.10	-3.52	-4.49	-6.97	-7.21	-5.50	-4.26	-4.49	-3.60	-3.25
OAKDALE__35_KV_LOAD 356122	72.29	69.31	66.65	65.61	66.60	68.77	71.96	72.00	72.47	70.39	69.09	66.26	65.59	64.50	64.73	65.97	71.29	82.19	81.90	74.65	70.43	68.84	66.23	65.82
	0.71	0.41	0.40	0.28	0.45	0.51	0.59	0.34	0.23	0.41	0.23	0.23	0.23	0.11	0.06	0.17	0.47	0.75	0.74	0.65	0.53	0.34	0.23	0.57
	-12.57	-10.80	-9.82	-8.94	-9.70	-11.14	-11.87	-15.82	-14.36	-11.10	-11.72	-9.53	-8.86	-8.00	-8.29	-9.42	-11.99	-18.62	-19.26	-14.69	-11.39	-12.01	-9.62	-8.69
OCC_CHEM__DRP 24175	60.08	57.73	55.89	55.15	55.95	57.40	59.38	56.49	57.03	56.87	55.34	53.89	53.52	52.80	52.76	53.39	57.00	63.92	63.53	58.97	56.39	54.86	53.79	55.31
	-4.72	-5.35	-5.08	-5.36	-4.97	-4.86	-5.53	-6.65	-7.47	-7.12	-7.20	-7.01	-7.06	-7.27	-7.44	-7.33	-7.35	-7.48	-7.24	-7.12	-7.37	-7.18	-6.99	-5.26
	-5.80	-4.98	-4.52	-4.12	-4.47	-5.13	-5.42	-7.29	-6.62	-5.12	-5.40	-4.39	-4.08	-3.69	-3.82	-4.34	-5.53	-8.58	-8.88	-6.77	-5.25	-5.53	-4.40	-4.01

OH_GEN_PROXY 24063	55.00 -4.01 -0.01	55.00 -4.59 -1.49	55.00 -4.40 -2.96	55.00 -4.62 -3.24	55.00 -4.29 -2.85	58.07 -4.11 -5.06	59.84 -4.52 -4.87	58.04 -5.53 -7.73	58.10 -6.31 -6.53	58.04 -5.89 -5.05	56.41 -6.06 -5.33	54.96 -5.88 -4.33	54.65 -5.88 -4.03	53.88 -6.14 -3.64	54.06 -6.09 -3.77	54.46 -6.20 -4.28	58.10 -6.18 -5.45	65.00 -6.28 -8.46	64.59 -6.06 -8.76	60.00 -5.99 -6.68	57.43 -6.26 -5.18	55.86 -6.10 -5.46	54.78 -5.98 -4.38	56.04 -4.47 -3.95
OLIN_CORP_DRP 24177	60.08 -4.78 -5.85	57.72 -5.40 -5.02	55.87 -5.14 -4.57	55.13 -5.41 -4.16	55.88 -5.08 -4.51	57.39 -4.91 -5.18	59.60 -5.41 -5.52	56.67 -6.53 -7.36	57.27 -7.29 -6.68	57.10 -6.95 -5.17	55.57 -7.03 -5.45	54.10 -6.84 -4.43	53.73 -6.89 -4.12	53.00 -7.10 -3.72	52.97 -7.27 -3.86	53.60 -7.16 -4.38	57.23 -7.18 -5.58	64.19 -7.29 -8.66	63.80 -7.06 -8.96	59.21 -6.94 -6.83	56.62 -7.20 -5.30	55.02 -7.06 -5.59	53.98 -6.88 -4.48	55.34 -5.26 -4.04
OLIN_CORP_DSASP 323712	60.08 -4.72 -5.80	57.79 -5.29 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.46 -4.80 -5.13	59.39 -5.53 -5.42	56.54 -6.59 -7.29	57.03 -7.47 -6.62	56.93 -7.07 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.63 -6.95 -4.08	52.80 -7.27 -3.69	52.99 -7.22 -3.82	53.39 -7.33 -4.34	57.00 -7.36 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.80 -7.23 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
ONEIDA_HERK_LFGE 323681	62.48 2.12 -1.35	61.24 1.98 -1.16	59.42 1.92 -1.05	59.20 1.86 -0.96	59.46 1.97 -1.04	60.26 1.94 -1.19	62.97 2.20 -1.27	59.61 2.07 -1.70	61.62 2.20 -1.54	62.37 2.29 -1.19	60.51 2.12 -1.26	59.38 1.86 -1.02	59.31 1.86 -0.95	59.05 1.80 -0.86	59.08 1.80 -0.89	59.37 1.97 -1.01	62.40 2.29 -1.29	67.26 2.45 -2.00	66.37 2.41 -2.07	63.14 2.25 -1.58	61.84 2.10 -1.22	59.71 1.92 -1.29	59.17 1.75 -1.03	59.36 1.86 -0.93
ONEIDA___115KV_TB4 55905	63.98 2.60 -2.37	62.52 2.38 -2.04	60.61 2.31 -1.85	60.33 2.26 -1.69	60.65 2.37 -1.83	61.68 2.46 -2.10	64.53 2.80 -2.24	61.34 2.51 -2.99	63.19 2.60 -2.71	63.74 2.77 -2.09	61.87 2.51 -2.21	60.56 2.26 -1.80	60.43 2.26 -1.67	60.09 2.20 -1.51	60.15 2.20 -1.56	60.53 2.37 -1.78	63.79 2.71 -2.26	69.28 2.95 -3.51	68.38 2.85 -3.63	64.75 2.67 -2.77	63.12 2.46 -2.15	61.02 2.26 -2.27	60.28 2.09 -1.82	60.52 2.32 -1.64
ONONDAGA_REF_OCCRA 23987	63.31 0.00 -4.30	61.62 -0.17 -3.69	59.58 -0.23 -3.36	59.22 -0.23 -3.06	59.54 -0.23 -3.32	60.82 -0.11 -3.81	63.56 0.00 -4.06	61.09 -0.17 -5.41	62.62 -0.17 -4.91	62.62 -0.06 -3.80	60.98 -0.17 -4.01	59.65 -0.11 -3.26	59.36 -0.17 -3.03	58.90 -0.23 -2.74	58.94 -0.28 -2.84	59.44 -0.17 -3.22	62.93 0.00 -4.10	69.38 0.19 -6.37	68.67 0.19 -6.59	64.46 0.12 -5.03	62.41 0.00 -3.90	60.49 -0.11 -4.11	59.39 -0.28 -3.29	59.42 -0.11 -2.97
ONONDAGA___COGEN 23986	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.23 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.23 -2.53	58.73 -0.28 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.14 -0.28 -3.04	59.20 -0.11 -2.75
ONTARIO___LFGE 23819	65.16 0.53 -5.63	63.05 0.12 -4.83	60.95 0.11 -4.39	60.33 -0.06 -4.00	60.84 0.06 -4.34	62.45 0.34 -4.98	65.40 0.59 -5.31	62.97 0.06 -7.08	64.07 -0.23 -6.42	63.85 0.00 -4.97	62.10 -0.28 -5.24	60.54 -0.23 -4.26	60.18 -0.28 -3.96	59.46 -0.51 -3.58	59.64 -0.45 -3.71	60.31 -0.28 -4.21	64.25 0.06 -5.37	71.59 0.44 -8.33	71.07 0.56 -8.62	66.30 0.42 -6.57	63.73 0.12 -5.09	61.70 -0.17 -5.37	60.30 -0.39 -4.30	60.62 0.17 -3.89
ORANGEVILLE_WT_PWR 323706	63.33 -2.77 -7.09	60.82 -3.37 -6.09	58.82 -3.16 -5.54	58.05 -3.38 -5.04	58.92 -2.99 -5.47	60.60 -2.80 -6.28	63.16 -3.03 -6.69	60.97 -3.80 -8.93	61.52 -4.46 -8.10	61.08 -4.06 -6.26	59.47 -4.29 -6.61	57.70 -4.18 -5.38	57.38 -4.12 -5.00	56.50 -4.40 -4.51	56.77 -4.29 -4.68	57.41 -4.29 -5.31	61.53 -4.06 -6.77	69.49 -3.83 -10.50	68.98 -3.78 -10.87	63.75 -3.85 -8.29	60.84 -4.10 -6.42	59.15 -4.12 -6.77	57.64 -4.17 -5.43	58.52 -2.94 -4.90
ORANGEVILLE___ESR 323794	63.33 -2.77 -7.09	60.82 -3.37 -6.09	58.82 -3.16 -5.54	58.05 -3.38 -5.04	58.92 -2.99 -5.47	60.60 -2.80 -6.28	63.16 -3.03 -6.69	60.97 -3.80 -8.93	61.52 -4.46 -8.10	61.08 -4.06 -6.26	59.47 -4.29 -6.61	57.70 -4.18 -5.38	57.38 -4.12 -5.00	56.50 -4.40 -4.51	56.77 -4.29 -4.68	57.41 -4.29 -5.31	61.53 -4.06 -6.77	69.49 -3.83 -10.50	68.98 -3.78 -10.87	63.75 -3.85 -8.29	60.84 -4.10 -6.42	59.15 -4.12 -6.77	57.64 -4.17 -5.43	58.52 -2.94 -4.90
OSWEGATCHIE___HYD 24044	58.77 -1.30 -1.07	58.08 -0.93 -0.91	56.43 -0.85 -0.83	56.30 -0.84 -0.76	56.36 -0.91 -0.82	56.81 -1.26 -0.94	59.02 -1.49 -1.01	56.29 -0.90 -1.34	58.23 -0.87 -1.22	58.58 -1.24 -0.94	57.11 -1.03 -0.99	56.18 -1.13 -0.81	56.01 -1.24 -0.75	55.87 -1.19 -0.68	55.90 -1.19 -0.70	56.17 -1.01 -0.80	58.72 -1.12 -1.02	62.76 -1.63 -1.58	61.92 -1.61 -1.63	59.13 -1.42 -1.24	58.37 -1.11 -0.96	56.44 -1.08 -1.02	56.24 -0.96 -0.82	56.28 -1.02 -0.74
OSWEGO___5 23606	60.56 -1.24 -2.79	59.11 -1.39 -2.40	57.27 -1.36 -2.18	56.96 -1.41 -1.99	57.24 -1.36 -2.15	58.28 -1.31 -2.47	60.82 -1.31 -2.64	57.96 -1.39 -3.51	59.62 -1.44 -3.19	59.93 -1.41 -2.47	58.32 -1.43 -2.60	57.21 -1.41 -2.12	57.06 -1.41 -1.97	56.69 -1.47 -1.78	56.76 -1.47 -1.84	57.01 -1.47 -2.09	60.08 -1.41 -2.66	65.63 -1.32 -4.14	64.87 -1.30 -4.28	61.27 -1.31 -3.26	59.70 -1.34 -2.53	57.76 -1.41 -2.67	57.05 -1.47 -2.14	57.19 -1.30 -1.93
OSWEGO___6 23613	60.56 -1.24 -2.79	59.11 -1.39 -2.40	57.27 -1.36 -2.18	56.96 -1.41 -1.99	57.24 -1.36 -2.15	58.28 -1.31 -2.47	60.82 -1.31 -2.64	57.96 -1.39 -3.51	59.62 -1.44 -3.19	59.93 -1.41 -2.47	58.32 -1.43 -2.60	57.21 -1.41 -2.12	57.06 -1.41 -1.97	56.69 -1.47 -1.78	56.76 -1.47 -1.84	57.01 -1.47 -2.09	60.08 -1.41 -2.66	65.63 -1.32 -4.14	64.87 -1.30 -4.28	61.27 -1.31 -3.26	59.70 -1.34 -2.53	57.76 -1.41 -2.67	57.05 -1.47 -2.14	57.19 -1.30 -1.93
OUTOKUMPU-AB___DRP 24206	61.19 -3.72 -5.90	58.76 -4.42 -5.07	56.88 -4.18 -4.61	56.13 -4.45 -4.20	56.93 -4.06 -4.55	58.41 -3.94 -5.23	60.64 -4.40 -5.55	57.80 -5.47 -7.43	58.37 -6.25 -6.74	58.20 -5.89 -5.21	56.64 -6.00 -5.50	55.21 -5.76 -4.47	54.84 -5.82 -4.16	54.05 -6.09 -3.76	54.08 -6.20 -3.89	54.66 -6.15 -4.42	58.40 -6.06 -5.63	65.53 -6.03 -8.74	65.12 -5.82 -9.04	60.40 -5.81 -6.90	57.78 -6.09 -5.35	56.15 -5.99 -5.64	55.02 -5.86 -4.50	56.40 -4.24 -4.08
OXBOW___BTM 323836	60.67 -4.19 -5.85	58.30 -4.82 -5.02	56.44 -4.57 -4.57	55.69 -4.85 -4.16	56.44 -4.52 -4.51	57.96 -4.34 -5.18	60.05 -4.94 -5.49	57.23 -5.97 -7.36	57.73 -6.83 -6.68	57.69 -6.36 -5.16	56.08 -6.52 -5.45	54.61 -6.33 -4.43	54.30 -6.33 -4.12	53.51 -6.60 -3.72	53.70 -6.54 -3.86	54.11 -6.65 -4.38	57.70 -6.71 -5.58	64.82 -6.66 -8.66	64.36 -6.50 -8.96	59.74 -6.41 -6.83	57.14 -6.67 -5.30	55.53 -6.55 -5.59	54.40 -6.43 -4.45	55.85 -4.75 -4.04

OXBOW____ 24026	60.67 -4.19 -5.85	58.30 -4.82 -5.02	56.44 -4.57 -4.57	55.69 -4.85 -4.16	56.44 -4.52 -4.51	57.90 -4.40 -5.18	60.04 -4.94 -5.49	57.17 -6.03 -7.36	57.73 -6.83 -6.68	57.63 -6.42 -5.16	56.02 -6.57 -5.45	54.61 -6.33 -4.43	54.24 -6.38 -4.12	53.51 -6.60 -3.72	53.48 -6.77 -3.86	54.11 -6.65 -4.38	57.70 -6.71 -5.58	64.82 -6.66 -8.66	64.36 -6.50 -8.96	59.74 -6.41 -6.83	57.14 -6.67 -5.30	55.53 -6.55 -5.59	54.41 -6.43 -4.45	55.85 -4.75 -4.04
OXY_CHEM_DSASP 323612	60.08 -4.72 -5.80	57.73 -5.35 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.40 -4.86 -5.13	59.38 -5.53 -5.42	56.49 -6.65 -7.29	57.03 -7.47 -6.62	56.87 -7.12 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.52 -7.06 -4.08	52.80 -7.27 -3.69	52.76 -7.44 -3.82	53.39 -7.33 -4.34	57.00 -7.35 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.86 -7.18 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
OZONE_PARK_ESR 323760	106.07 6.20 -40.87	98.49 5.75 -34.64	92.20 5.42 -30.33	89.32 5.30 -27.64	91.92 5.48 -30.00	98.53 5.65 -35.76	102.00 5.77 -36.74	114.88 5.53 -53.51	129.24 5.90 -65.45	132.81 6.18 -67.75	134.27 5.89 -71.24	136.63 5.88 -74.26	121.79 5.88 -59.41	123.39 5.81 -61.20	123.54 5.75 -61.41	128.33 5.81 -66.13	128.69 6.24 -63.63	167.65 6.91 -97.92	170.45 6.81 -101.75	154.17 6.52 -88.33	145.09 6.38 -80.19	128.24 6.05 -65.70	124.43 5.92 -62.13	89.31 5.83 -26.92
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	60.08 -4.72 -5.80	57.73 -5.35 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.40 -4.86 -5.13	59.38 -5.53 -5.42	56.49 -6.65 -7.29	57.03 -7.47 -6.62	56.87 -7.12 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.52 -7.06 -4.08	52.80 -7.27 -3.69	52.76 -7.44 -3.82	53.39 -7.33 -4.34	57.00 -7.35 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.86 -7.18 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
PACKARD__115KV_DUPONT_184 80571	60.08 -4.72 -5.80	57.73 -5.35 -4.98	55.89 -5.08 -4.52	55.15 -5.36 -4.12	55.95 -4.97 -4.47	57.40 -4.86 -5.13	59.38 -5.53 -5.42	56.49 -6.65 -7.29	57.03 -7.47 -6.62	56.87 -7.12 -5.12	55.34 -7.20 -5.40	53.89 -7.01 -4.39	53.52 -7.06 -4.08	52.80 -7.27 -3.69	52.76 -7.44 -3.82	53.39 -7.33 -4.34	57.00 -7.35 -5.53	63.92 -7.48 -8.58	63.53 -7.24 -8.88	58.97 -7.12 -6.77	56.39 -7.37 -5.25	54.86 -7.18 -5.53	53.79 -6.99 -4.40	55.31 -5.26 -4.01
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	103.55 5.55 -38.99	96.70 5.17 -33.43	91.75 4.97 -30.34	88.87 4.85 -27.64	91.45 5.02 -29.98	96.63 5.03 -34.48	101.41 5.24 -36.68	109.92 4.97 -49.11	108.56 5.32 -45.36	101.01 5.53 -36.60	100.30 5.26 -37.90	93.31 5.20 -31.61	90.68 5.25 -28.93	88.06 5.19 -26.49	88.87 5.13 -27.36	92.39 5.13 -30.88	103.37 5.65 -38.90	129.30 6.16 -60.33	141.18 6.13 -73.16	114.07 5.87 -48.88	102.51 5.68 -38.31	101.01 5.42 -39.08	93.66 5.30 -31.98	88.68 5.26 -26.86
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	104.49 6.49 -38.99	97.63 6.10 -33.43	92.65 5.87 -30.34	89.77 5.75 -27.64	92.29 5.87 -29.98	97.54 5.94 -34.48	102.30 6.13 -36.68	110.76 5.81 -49.11	109.43 6.19 -45.36	101.90 6.42 -36.60	101.10 6.06 -37.90	94.10 5.99 -31.61	91.47 6.05 -28.93	88.85 5.98 -26.49	89.66 5.92 -27.36	93.18 5.92 -30.88	104.20 6.47 -38.90	130.18 7.04 -60.33	141.98 6.93 -73.16	114.90 6.70 -48.88	103.32 6.50 -38.31	101.85 6.27 -39.08	94.50 6.15 -31.98	89.58 6.17 -26.86
PATROON__115KV_TB1 80586	110.04 2.71 -48.32	102.50 2.91 -41.50	97.04 2.88 -37.72	93.56 2.82 -34.36	96.60 2.88 -37.28	102.89 2.97 -42.80	108.20 3.09 -45.61	119.04 2.40 -60.80	115.65 2.60 -55.17	104.31 2.77 -42.66	104.86 2.69 -45.03	95.84 2.71 -36.63	93.21 2.66 -34.05	89.85 2.71 -30.76	90.91 2.65 -31.87	95.05 2.48 -36.18	107.27 2.35 -46.09	136.81 2.45 -71.54	138.34 2.41 -74.03	118.01 2.25 -56.44	104.56 2.28 -43.76	104.84 2.20 -46.14	95.72 2.37 -36.97	92.45 2.49 -33.40
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	61.40 -4.01 -6.40	58.83 -4.76 -5.50	56.98 -4.46 -5.00	56.14 -4.79 -4.55	57.09 -4.29 -4.94	58.56 -4.23 -5.67	61.07 -4.46 -6.04	58.59 -5.30 -8.05	59.17 -6.02 -7.31	58.88 -5.65 -5.65	57.39 -5.71 -5.96	55.81 -5.54 -4.85	55.42 -5.59 -4.51	54.59 -5.86 -4.07	54.63 -5.98 -4.22	55.37 -5.81 -4.79	59.22 -5.71 -6.11	66.70 -5.59 -9.48	66.25 -5.45 -9.81	61.33 -5.46 -7.48	58.64 -5.68 -5.80	56.96 -5.65 -6.11	55.58 -5.69 -4.89	56.69 -4.30 -4.42
PAWLING_115_KV_BK3_REV_LBMP_H 345028	103.92 5.72 -39.19	97.10 5.35 -33.66	92.17 5.14 -30.59	89.27 5.02 -27.87	91.65 4.97 -30.24	96.86 5.03 -34.71	101.67 5.18 -36.99	110.40 5.25 -49.32	108.41 5.79 -44.74	99.49 6.01 -34.60	99.32 5.66 -36.52	91.74 5.54 -29.71	89.54 5.42 -27.62	86.69 5.36 -24.95	87.48 5.24 -25.85	91.03 5.30 -29.35	102.15 5.94 -37.38	127.57 6.72 -58.03	128.56 6.62 -60.04	111.44 6.35 -45.78	100.10 6.09 -35.49	99.74 5.82 -37.42	91.89 5.53 -29.99	89.02 5.37 -27.09
PEEKSKILL____ 23653	102.41 4.89 -38.51	95.60 4.47 -33.02	90.71 4.29 -29.98	87.87 4.17 -27.31	90.36 4.29 -29.63	95.52 4.34 -34.06	100.27 4.52 -36.25	108.69 4.36 -48.49	107.16 4.69 -44.60	99.45 4.95 -35.62	98.87 4.69 -37.04	91.85 4.63 -30.71	89.34 4.63 -28.21	86.70 4.57 -25.75	87.51 4.51 -26.61	91.03 4.57 -30.08	101.77 4.94 -38.00	127.22 5.46 -58.94	130.28 5.45 -62.93	111.70 5.22 -47.17	100.71 5.09 -37.10	99.50 4.86 -38.14	92.11 4.68 -31.05	87.68 4.58 -26.54
PGE MADISON__WINDPWR 24146	78.33 7.14 -12.18	75.18 6.62 -10.46	72.39 6.43 -9.51	71.14 6.09 -8.66	72.00 6.15 -9.40	74.31 6.40 -10.79	78.13 7.14 -11.50	77.87 6.70 -15.33	78.50 6.71 -13.91	76.29 6.65 -10.75	74.26 5.77 -11.35	71.10 5.37 -9.23	70.28 5.19 -8.58	68.99 4.85 -7.75	69.38 4.96 -8.04	70.97 5.47 -9.12	77.26 6.82 -11.62	88.58 7.72 -18.04	88.42 7.86 -18.66	80.84 7.29 -14.23	76.33 6.78 -11.03	74.40 6.27 -11.63	71.57 5.86 -9.32	71.48 6.50 -8.42
PIERCEFIELD__HYD 23852	56.29 -2.71 0.00	56.24 -1.86 0.00	54.75 -1.69 0.00	54.69 -1.69 0.00	54.69 -1.75 0.00	54.72 -2.40 0.00	56.46 -3.03 0.00	53.89 -1.95 0.00	55.79 -2.08 0.00	56.17 -2.71 0.00	54.97 -2.17 0.00	54.30 -2.20 0.00	54.24 -2.26 0.00	54.18 -2.20 0.00	54.24 -2.14 0.00	54.30 -2.09 0.00	56.12 -2.71 0.00	59.05 -3.77 0.00	58.18 -3.71 0.00	56.11 -3.20 0.00	56.00 -2.52 0.00	54.24 -2.26 0.00	54.58 -1.80 0.00	54.58 -1.98 0.00
PINELAWN_CC_1 323563	125.39 6.90 -59.48	112.35 6.45 -47.80	104.64 6.15 -42.04	100.20 6.04 -37.78	106.93 6.21 -44.28	112.39 6.34 -48.93	109.78 6.49 -43.80	119.02 6.14 -57.04	122.31 6.54 -57.89	112.77 6.83 -47.06	112.71 6.57 -49.00	108.52 6.44 -45.58	104.77 6.44 -41.83	103.79 6.37 -41.04	112.10 6.37 -49.35	115.61 6.54 -52.69	146.18 7.06 -80.30	156.67 7.79 -86.06	157.97 7.74 -88.34	152.73 7.35 -86.06	149.84 7.20 -84.13	125.23 6.83 -61.90	114.59 6.59 -51.61	109.77 6.50 -46.71
PJM_GEN_HTP_PROXY 323702	104.94 5.55 -40.39	97.54 5.11 -34.32	91.63 4.85 -30.33	88.75 4.74 -27.63	91.35 4.91 -29.99	97.57 5.03 -35.43	100.85 5.17 -36.18	113.73 4.97 -52.92	123.54 5.32 -60.34	124.30 5.60 -59.83	125.22 5.32 -62.76	125.17 5.26 -63.41	113.41 5.26 -51.66	113.94 5.18 -52.37	114.31 5.18 -52.75	118.73 5.18 -57.17	121.75 5.59 -57.34	157.33 6.16 -88.36	160.36 6.07 -92.40	143.38 5.87 -78.20	133.73 5.67 -69.54	120.85 5.42 -58.93	116.14 5.30 -54.46	88.66 5.20 -26.90

PJM_GEN_KEystone 24065	83.59 1.00 -23.59	78.99 0.46 -20.43	75.37 0.45 -18.47	73.49 0.28 -16.83	75.27 0.56 -18.26	78.88 0.69 -21.07	81.90 0.59 -21.81	86.66 0.22 -30.60	85.65 0.12 -27.66	81.77 0.42 -22.48	80.33 0.17 -23.01	76.26 0.23 -19.54	74.40 0.23 -17.68	72.76 0.06 -16.32	73.24 0.06 -16.80	75.21 0.06 -18.77	81.96 0.36 -22.78	97.46 0.63 -34.01	98.49 0.68 -35.91	87.44 0.59 -27.54	81.16 0.47 -22.18	79.92 0.34 -23.08	75.74 0.23 -19.13	73.65 0.73 -16.36
PJM_GEN_NEPTUNE_PROXY 323594	124.39 5.90 -59.48	111.42 5.52 -47.80	103.73 5.25 -42.04	99.29 5.13 -37.78	105.97 5.25 -44.28	111.42 5.37 -48.93	108.29 5.53 -43.26	118.72 5.31 -57.57	121.45 5.68 -57.89	111.88 5.94 -47.06	111.80 5.66 -49.00	107.67 5.59 -45.58	103.92 5.59 -41.83	102.95 5.53 -41.04	111.20 5.47 -49.35	114.60 5.53 -52.69	145.06 5.94 -80.30	155.41 6.53 -86.06	156.67 6.44 -88.34	151.60 6.23 -86.06	148.73 6.09 -84.13	124.16 5.77 -61.90	113.63 5.64 -51.61	108.82 5.55 -46.71
PJM_GEN_VFT_PROXY 323633	101.54 5.31 -37.22	97.74 5.00 -34.64	91.46 4.68 -30.33	88.58 4.57 -27.63	91.13 4.68 -30.00	97.73 4.85 -35.76	100.70 5.00 -36.20	113.39 4.80 -52.74	112.72 5.09 -49.75	112.71 5.36 -48.47	106.00 5.14 -43.71	106.00 5.09 -44.41	97.62 5.09 -36.03	97.60 5.02 -36.20	97.61 4.96 -36.26	99.00 5.02 -37.60	97.57 5.41 -33.34	101.30 5.90 -32.58	102.21 5.88 -34.43	97.45 5.64 -32.49	98.40 5.50 -34.39	98.55 5.26 -36.80	97.60 5.08 -36.14	88.51 5.03 -26.92
PLATSBRG_115KV_PMLD1 355749	58.83 -0.18 0.00	58.33 0.23 0.00	56.56 0.11 0.00	56.27 -0.11 0.00	56.22 -0.23 0.00	56.72 -0.40 0.00	58.07 -1.43 0.00	54.95 -0.89 0.00	56.95 -0.93 0.00	57.70 -1.18 0.00	56.11 -1.03 0.00	55.54 -0.96 0.00	55.54 -0.96 0.00	55.09 -1.30 0.00	55.26 -1.13 0.00	55.54 -0.85 0.00	58.00 -0.82 0.00	61.56 -1.26 0.00	60.41 -1.49 0.00	57.83 -1.48 0.00	57.41 -1.11 0.00	55.43 -1.07 0.00	55.37 -1.01 0.00	55.99 -0.57 0.00
PLEASANTVLY___LBMP 24000	104.29 4.25 -41.03	97.29 3.95 -35.23	92.25 3.78 -32.03	89.28 3.72 -29.18	91.88 3.78 -31.65	97.35 3.88 -36.34	102.21 3.99 -38.73	111.32 3.85 -51.63	108.89 4.17 -46.84	99.40 4.30 -36.22	99.49 4.11 -38.23	91.67 4.07 -31.10	89.48 4.07 -28.91	86.56 4.06 -26.12	87.45 4.00 -27.06	91.11 4.00 -30.72	102.31 4.35 -39.14	128.34 4.77 -60.75	129.46 4.70 -62.86	111.75 4.51 -47.93	100.06 4.39 -37.16	99.86 4.18 -39.18	91.89 4.12 -31.39	88.93 4.02 -28.36
PLSNTVLE_13_KV_13.8KVDIST 80602	103.14 5.02 -39.12	96.40 4.65 -33.65	91.55 4.46 -30.64	88.64 4.34 -27.92	91.19 4.46 -30.29	96.40 4.57 -34.71	101.25 4.70 -37.05	109.48 4.47 -49.18	106.49 4.80 -43.81	96.30 5.06 -32.36	96.84 4.80 -34.90	88.90 4.80 -27.60	87.37 4.75 -26.13	84.36 4.74 -23.24	85.24 4.68 -24.18	88.68 4.68 -27.61	99.56 5.12 -35.61	123.74 5.59 -55.34	122.14 5.57 -54.68	107.42 5.34 -42.77	96.17 5.21 -32.45	96.98 4.97 -35.51	89.04 4.85 -27.80	88.38 4.69 -27.13
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	103.14 5.02 -39.12	96.40 4.65 -33.65	91.55 4.46 -30.64	88.64 4.34 -27.92	91.19 4.46 -30.29	96.40 4.57 -34.71	101.25 4.70 -37.05	109.48 4.47 -49.18	106.49 4.80 -43.81	96.30 5.06 -32.36	96.84 4.80 -34.90	88.90 4.80 -27.60	87.37 4.75 -26.13	84.36 4.74 -23.24	85.24 4.68 -24.18	88.68 4.68 -27.61	99.56 5.12 -35.61	123.74 5.59 -55.34	122.14 5.57 -54.68	107.42 5.34 -42.77	96.17 5.21 -32.45	96.98 4.97 -35.51	89.04 4.85 -27.80	88.38 4.69 -27.13
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	104.01 5.55 -39.46	97.21 5.23 -33.88	92.21 4.97 -30.80	89.23 4.79 -28.06	91.68 4.80 -30.44	96.98 4.91 -34.95	101.91 5.18 -37.24	110.40 4.91 -49.65	108.36 5.44 -45.04	99.36 5.65 -34.83	99.17 5.26 -36.77	91.55 5.14 -29.90	89.39 5.08 -27.80	86.40 4.91 -25.11	87.26 4.85 -26.03	90.94 5.02 -29.54	102.16 5.71 -37.63	127.64 6.41 -58.42	128.65 6.31 -60.45	111.45 6.05 -46.09	100.10 5.85 -35.73	99.71 5.54 -37.67	91.87 5.30 -30.19	88.98 5.15 -27.27
POLETTI_____ 23519	105.60 5.72 -40.87	98.08 5.35 -34.64	91.75 4.97 -30.33	88.92 4.91 -27.64	91.47 5.02 -30.00	98.07 5.20 -35.76	101.59 5.35 -36.74	114.49 5.14 -53.51	128.82 5.50 -65.44	132.38 5.77 -67.73	133.85 5.49 -71.23	136.16 5.42 -74.23	121.32 5.42 -59.40	122.98 5.41 -61.18	123.07 5.30 -61.39	127.85 5.36 -66.11	128.20 5.76 -63.61	167.00 6.28 -97.90	169.87 6.25 -101.73	153.61 5.99 -88.31	144.54 5.85 -80.17	127.72 5.54 -65.68	123.91 5.41 -62.11	88.80 5.32 -26.92
POMONA___ESR 323819	101.37 4.78 -37.58	94.64 4.30 -32.24	89.79 4.07 -29.27	87.00 3.95 -26.67	89.50 4.12 -28.93	94.54 4.17 -33.25	99.18 4.29 -35.40	107.29 4.13 -47.31	105.72 4.46 -43.38	98.04 4.77 -34.39	97.54 4.51 -35.89	90.59 4.46 -29.63	88.25 4.46 -27.29	85.63 4.40 -24.85	86.42 4.34 -25.70	89.80 4.34 -29.07	100.38 4.76 -36.79	125.18 5.28 -57.09	127.61 5.20 -60.52	109.89 5.04 -45.53	99.13 4.92 -35.70	98.04 4.63 -36.91	90.84 4.51 -29.94	86.90 4.41 -25.92
PORT_JEFF_3 23555	125.68 7.20 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.68 6.62 -48.93	109.72 6.43 -43.80	119.02 6.14 -57.04	122.19 6.42 -57.89	112.77 6.83 -47.06	113.05 6.91 -49.00	108.74 6.66 -45.58	105.05 6.72 -41.83	104.07 6.65 -41.04	112.38 6.65 -49.35	116.06 6.99 -52.69	146.47 7.35 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.91 7.53 -86.06	150.08 7.43 -84.13	125.46 7.06 -61.90	114.87 6.88 -51.61	110.00 6.73 -46.71
PORT_JEFF_4 23616	125.68 7.20 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.68 6.62 -48.93	109.72 6.43 -43.80	119.02 6.14 -57.04	122.19 6.42 -57.89	112.77 6.83 -47.06	113.05 6.91 -49.00	108.74 6.66 -45.58	105.05 6.72 -41.83	104.07 6.65 -41.04	112.38 6.65 -49.35	116.06 6.99 -52.69	146.47 7.35 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.91 7.53 -86.06	150.08 7.43 -84.13	125.46 7.06 -61.90	114.87 6.88 -51.61	110.00 6.73 -46.71
PORT_JEFF_IC 23713	125.74 7.26 -59.48	112.75 6.85 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.27 6.54 -44.28	112.73 6.68 -48.93	109.78 6.49 -43.80	119.02 6.14 -57.04	122.25 6.48 -57.89	112.82 6.89 -47.06	113.17 7.03 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.44 6.71 -49.35	116.12 7.05 -52.69	146.53 7.41 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.97 7.59 -86.06	150.14 7.49 -84.13	125.51 7.12 -61.90	114.93 6.93 -51.61	110.06 6.78 -46.71
PPL PILGRIM_ST_GT1 24216	125.74 7.26 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.73 6.68 -48.93	110.13 6.84 -43.80	119.30 6.42 -57.04	122.54 6.77 -57.89	113.06 7.12 -47.06	113.05 6.91 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.13 6.71 -41.04	112.44 6.71 -49.35	115.95 6.88 -52.69	146.47 7.35 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	153.08 7.71 -86.06	150.14 7.49 -84.13	125.46 7.06 -61.90	114.87 6.88 -51.61	110.06 6.78 -46.71
PPL PILGRIM_ST_GT2 24217	125.74 7.26 -59.48	112.70 6.79 -47.80	104.92 6.43 -42.04	100.53 6.37 -37.78	107.21 6.49 -44.28	112.73 6.68 -48.93	110.13 6.84 -43.80	119.30 6.42 -57.04	122.54 6.77 -57.89	113.06 7.12 -47.06	113.05 6.91 -49.00	108.80 6.72 -45.58	105.11 6.78 -41.83	104.13 6.71 -41.04	112.44 6.71 -49.35	115.95 6.88 -52.69	146.47 7.35 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	153.08 7.71 -86.06	150.14 7.49 -84.13	125.46 7.06 -61.90	114.87 6.88 -51.61	110.06 6.78 -46.71

PPL_SHRM_GT3 24213	125.39 6.90 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.06 5.77 -43.80	118.41 5.53 -57.04	121.56 5.79 -57.89	112.36 6.42 -47.06	113.23 7.08 -49.00	108.69 6.61 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.33 6.59 -49.35	116.12 7.05 -52.69	146.12 7.00 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.55 7.17 -86.06	149.55 6.90 -84.13	125.00 6.61 -61.90	114.70 6.71 -51.61	109.83 6.56 -46.71
PPL_SHRM_GT4 24214	125.39 6.90 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.06 5.77 -43.80	118.41 5.53 -57.04	121.56 5.79 -57.89	112.36 6.42 -47.06	113.23 7.08 -49.00	108.69 6.61 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.33 6.59 -49.35	116.12 7.05 -52.69	146.12 7.00 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.55 7.17 -86.06	149.55 6.90 -84.13	125.00 6.61 -61.90	114.70 6.71 -51.61	109.83 6.56 -46.71
PROJECT___ORANGE 1 24174	62.12 -0.41 -3.53	60.55 -0.58 -3.03	58.63 -0.56 -2.75	58.27 -0.62 -2.51	58.60 -0.56 -2.72	59.73 -0.51 -3.12	62.41 -0.42 -3.33	59.72 -0.56 -4.44	61.27 -0.64 -4.03	61.52 -0.47 -3.11	59.86 -0.57 -3.29	58.61 -0.56 -2.67	58.42 -0.56 -2.48	58.01 -0.62 -2.24	58.03 -0.68 -2.33	58.40 -0.62 -2.64	61.72 -0.47 -3.36	67.72 -0.31 -5.22	66.99 -0.31 -5.40	63.08 -0.36 -4.12	61.24 -0.47 -3.19	59.30 -0.56 -3.37	58.35 -0.73 -2.70	58.49 -0.51 -2.44
PROJECT___ORANGE 2 24166	62.12 -0.41 -3.53	60.55 -0.58 -3.03	58.63 -0.56 -2.75	58.27 -0.62 -2.51	58.60 -0.56 -2.72	59.73 -0.51 -3.12	62.41 -0.42 -3.33	59.72 -0.56 -4.44	61.27 -0.64 -4.03	61.52 -0.47 -3.11	59.86 -0.57 -3.29	58.61 -0.56 -2.67	58.42 -0.56 -2.48	58.01 -0.62 -2.24	58.03 -0.68 -2.33	58.40 -0.62 -2.64	61.72 -0.47 -3.36	67.72 -0.31 -5.22	66.99 -0.31 -5.40	63.08 -0.36 -4.12	61.24 -0.47 -3.19	59.30 -0.56 -3.37	58.35 -0.73 -2.70	58.49 -0.51 -2.44
PUCKETT___SOLAR 323809	74.55 2.54 -13.00	71.42 2.15 -11.17	68.68 2.09 -10.15	67.55 1.92 -9.25	68.62 2.14 -10.03	70.86 2.23 -11.52	74.27 2.50 -12.27	74.38 2.18 -16.36	74.80 2.08 -14.84	72.54 2.18 -11.48	71.09 1.83 -12.12	68.05 1.69 -9.86	67.30 1.64 -9.16	66.12 1.46 -8.28	66.42 1.46 -8.58	67.81 1.69 -9.74	73.52 2.29 -12.40	84.90 2.83 -19.25	84.60 2.79 -19.92	77.11 2.61 -15.19	72.64 2.34 -11.78	71.01 2.09 -12.42	68.19 1.86 -9.95	67.81 2.26 -8.99
PYRITES___HYD 24023	57.35 -1.65 0.00	57.29 -0.81 0.00	55.77 -0.68 0.00	55.71 -0.68 0.00	55.71 -0.73 0.00	55.86 -1.26 0.00	57.71 -1.78 0.00	55.11 -0.73 0.00	57.13 -0.75 0.00	57.53 -1.35 0.00	56.23 -0.91 0.00	55.54 -0.96 0.00	55.48 -1.02 0.00	55.42 -0.96 0.00	55.48 -0.90 0.00	55.54 -0.85 0.00	57.47 -1.35 0.00	60.43 -2.39 0.00	59.60 -2.29 0.00	57.48 -1.84 0.00	57.29 -1.23 0.00	55.43 -1.07 0.00	55.65 -0.73 0.00	55.60 -0.96 0.00
QUAKERRD_115KV_BK1 80622	61.31 -2.24 -4.54	59.39 -2.61 -3.90	57.40 -2.60 -3.55	56.91 -2.71 -3.23	57.30 -2.65 -3.51	58.69 -2.46 -4.03	61.29 -2.50 -4.29	58.60 -2.96 -5.72	59.71 -3.36 -5.19	59.83 -3.06 -4.01	58.18 -3.20 -4.23	56.84 -3.11 -3.44	56.54 -3.16 -3.20	56.01 -3.27 -2.89	56.00 -3.38 -3.00	56.46 -3.33 -3.40	59.92 -3.24 -4.33	66.47 -3.08 -6.73	65.95 -2.91 -6.96	61.66 -2.97 -5.31	59.47 -3.16 -4.12	57.62 -3.22 -4.34	56.59 -3.27 -3.48	57.04 -2.66 -3.14
QUENSBRY_115KV_TB8 356137	113.25 4.78 -49.46	104.99 4.42 -42.48	99.34 4.29 -38.61	95.84 4.29 -35.17	99.01 4.40 -38.16	105.56 4.63 -43.81	111.18 5.00 -46.69	122.60 4.52 -62.24	119.33 4.98 -56.47	107.43 4.89 -43.66	107.75 4.51 -46.09	98.28 4.29 -37.49	95.59 4.24 -34.86	91.93 4.06 -31.48	93.18 4.17 -32.63	98.04 4.62 -37.04	111.24 5.24 -47.18	141.89 5.84 -73.23	143.55 5.88 -75.78	122.43 5.34 -57.78	108.52 5.21 -44.79	108.53 4.80 -47.23	98.79 4.57 -37.84	95.10 4.36 -34.19
RAMAPO___LBMP 323565	101.02 4.54 -37.47	94.37 4.13 -32.15	89.53 3.89 -29.19	86.75 3.78 -26.59	89.25 3.95 -28.85	94.33 4.06 -33.16	98.96 4.16 -35.30	107.04 4.02 -47.18	105.40 4.28 -43.24	97.67 4.53 -34.25	97.24 4.34 -35.76	90.30 4.29 -29.50	87.92 4.24 -27.18	85.36 4.23 -24.75	86.15 4.17 -25.59	89.51 4.17 -28.96	100.07 4.59 -36.66	124.72 5.03 -56.87	127.16 5.01 -60.25	109.47 4.80 -45.35	98.80 4.74 -35.54	97.73 4.46 -36.77	90.54 4.34 -29.82	86.65 4.24 -25.85
RANKINE____ 23646	61.92 -3.36 -6.27	59.42 -4.07 -5.39	57.50 -3.84 -4.90	56.73 -4.12 -4.46	57.56 -3.73 -4.84	59.08 -3.60 -5.56	61.55 -3.87 -5.92	58.88 -4.86 -7.90	59.49 -5.56 -7.16	59.24 -5.18 -5.54	57.68 -5.31 -5.85	56.11 -5.14 -4.76	55.78 -5.14 -4.42	54.96 -5.41 -3.99	55.00 -5.53 -4.14	55.67 -5.41 -4.70	59.52 -5.29 -5.98	66.89 -5.21 -9.29	66.49 -5.01 -9.61	61.60 -5.04 -7.33	58.87 -5.33 -5.68	57.24 -5.25 -5.99	55.94 -5.24 -4.80	57.16 -3.73 -4.34
RAVENSWOOD_GT2_1 24244	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.81 5.32 -26.94
RAVENSWOOD_GT2_2 24245	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.81 5.32 -26.94
RAVENSWOOD_GT2_3 24246	105.91 5.61 -41.30	98.25 5.23 -34.92	91.81 5.02 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.45 5.08 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.26 5.37 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.83 5.54 -71.80	130.83 5.41 -69.03	88.81 5.32 -26.94
RAVENSWOOD_GT2_4 24247	105.91 5.61 -41.30	98.25 5.23 -34.92	91.81 5.02 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.45 5.08 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.26 5.37 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.83 5.54 -71.80	130.83 5.41 -69.03	88.81 5.32 -26.94
RAVENSWOOD_GT3_1 24248	105.91 5.61 -41.30	98.25 5.23 -34.92	91.81 5.02 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.45 5.08 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.83 5.54 -71.80	130.83 5.41 -69.03	88.81 5.32 -26.94



RAVENSWOOD_GT3_2 24249	105.91 5.61 -41.30	98.25 5.23 -34.92	91.81 5.02 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.45 5.08 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.83 5.54 -71.80	130.83 5.41 -69.03	88.81 5.32 -26.94
RAVENSWOOD_GT3_3 24250	106.03 5.72 -41.30	98.36 5.35 -34.92	91.86 5.08 -30.34	88.99 4.96 -27.64	91.60 5.14 -30.01	98.37 5.20 -36.05	101.67 5.41 -36.76	115.50 5.14 -54.53	133.43 5.50 -70.05	139.53 5.77 -74.88	141.51 5.49 -78.88	145.94 5.42 -84.02	128.32 5.42 -66.40	130.89 5.36 -69.15	130.89 5.30 -69.20	135.95 5.36 -74.21	133.94 5.82 -69.29	175.70 6.34 -106.54	178.37 6.31 -110.16	162.82 6.05 -97.46	154.21 5.91 -89.78	133.89 5.59 -71.80	130.89 5.47 -69.03	88.87 5.37 -26.94
RAVENSWOOD_GT3_4 24251	106.03 5.72 -41.30	98.36 5.35 -34.92	91.86 5.08 -30.34	88.99 4.96 -27.64	91.60 5.14 -30.01	98.37 5.20 -36.05	101.67 5.41 -36.76	115.50 5.14 -54.53	133.43 5.50 -70.05	139.53 5.77 -74.88	141.51 5.49 -78.88	145.94 5.42 -84.02	128.32 5.42 -66.40	130.89 5.36 -69.15	130.89 5.30 -69.20	135.95 5.36 -74.21	133.94 5.82 -69.29	175.70 6.34 -106.54	178.37 6.31 -110.16	162.82 6.05 -97.46	154.21 5.91 -89.78	133.89 5.59 -71.80	130.89 5.47 -69.03	88.87 5.37 -26.94
RAVENSWOOD_GT_1 23729	106.21 5.90 -41.30	98.48 5.46 -34.92	92.09 5.31 -30.34	89.15 5.13 -27.64	91.76 5.31 -30.01	98.54 5.37 -36.05	101.79 5.53 -36.76	115.61 5.25 -54.53	133.55 5.61 -70.05	139.65 5.89 -74.88	141.62 5.60 -78.88	146.06 5.54 -84.02	128.49 5.59 -66.40	131.06 5.53 -69.15	131.06 5.47 -69.20	136.06 5.47 -74.21	134.06 5.94 -69.29	175.89 6.53 -106.54	178.55 6.50 -110.16	163.00 6.23 -97.46	154.33 6.03 -89.78	134.06 5.76 -71.80	131.06 5.64 -69.03	89.04 5.54 -26.94
RAVENSWOOD_GT_10 24258	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_11 24259	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_4 24252	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.87 4.85 -27.64	91.43 4.97 -30.01	98.26 5.08 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.78 5.24 -69.15	130.77 5.19 -69.20	135.83 5.24 -74.21	133.77 5.65 -69.29	175.57 6.22 -106.54	178.18 6.13 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_5 24254	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.87 4.85 -27.64	91.43 4.97 -30.01	98.26 5.08 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.78 5.24 -69.15	130.77 5.19 -69.20	135.83 5.24 -74.21	133.77 5.65 -69.29	175.57 6.22 -106.54	178.18 6.13 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_6 24253	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.87 4.85 -27.64	91.43 4.97 -30.01	98.26 5.08 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.78 5.24 -69.15	130.77 5.19 -69.20	135.83 5.24 -74.21	133.77 5.65 -69.29	175.57 6.22 -106.54	178.18 6.13 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_7 24255	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.87 4.85 -27.64	91.43 4.97 -30.01	98.26 5.08 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.78 5.24 -69.15	130.77 5.19 -69.20	135.83 5.24 -74.21	133.77 5.65 -69.29	175.57 6.22 -106.54	178.18 6.13 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD_GT_9 24257	105.91 5.61 -41.30	98.25 5.23 -34.92	91.75 4.97 -30.34	88.93 4.91 -27.64	91.48 5.02 -30.01	98.31 5.14 -36.05	101.55 5.30 -36.76	115.39 5.03 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.40 5.37 -78.88	145.89 5.37 -84.02	128.21 5.31 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.71 -69.29	175.57 6.22 -106.54	178.25 6.19 -110.16	162.70 5.93 -97.46	154.09 5.79 -89.78	133.78 5.48 -71.80	130.77 5.36 -69.03	88.76 5.26 -26.94
RAVENSWOOD___1 23533	106.15 5.84 -41.30	98.48 5.46 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.76 5.30 -30.01	98.49 5.31 -36.05	101.72 5.47 -36.76	115.61 5.25 -54.53	133.55 5.61 -70.05	139.59 5.83 -74.88	141.57 5.54 -78.88	146.00 5.48 -84.02	128.44 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.83 6.47 -106.54	178.49 6.44 -110.16	162.94 6.17 -97.46	154.27 5.97 -89.78	134.00 5.70 -71.80	131.00 5.58 -69.03	88.98 5.48 -26.94
RAVENSWOOD___2 23534	106.15 5.84 -41.30	98.42 5.40 -34.92	92.03 5.25 -30.34	89.15 5.13 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.72 5.47 -36.76	115.56 5.19 -54.53	133.49 5.56 -70.05	139.59 5.83 -74.88	141.51 5.49 -78.88	145.95 5.42 -84.02	128.44 5.54 -66.40	131.00 5.47 -69.15	131.00 5.41 -69.20	136.00 5.41 -74.21	134.00 5.88 -69.29	175.83 6.47 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	134.00 5.70 -71.80	130.95 5.53 -69.03	88.98 5.48 -26.94
RAVENSWOOD___3 23535	105.92 5.61 -41.30	98.25 5.23 -34.92	91.81 5.02 -30.34	88.93 4.90 -27.64	91.48 5.02 -30.01	98.32 5.14 -36.05	101.55 5.29 -36.76	115.45 5.08 -54.53	133.32 5.38 -70.05	139.41 5.65 -74.88	141.46 5.43 -78.88	145.89 5.37 -84.02	128.27 5.37 -66.40	130.83 5.30 -69.15	130.83 5.24 -69.20	135.83 5.24 -74.21	133.82 5.70 -69.29	175.57 6.22 -106.54	178.24 6.19 -110.16	162.70 5.93 -97.46	154.10 5.79 -89.78	133.84 5.54 -71.80	130.83 5.41 -69.03	88.81 5.32 -26.94

RAVENSWOOD___4 23820	106.15 5.84 -41.30	98.42 5.40 -34.92	91.97 5.19 -30.34	89.10 5.08 -27.64	91.71 5.25 -30.01	98.43 5.25 -36.05	101.72 5.47 -36.76	115.56 5.19 -54.53	133.49 5.56 -70.05	139.53 5.77 -74.88	141.51 5.49 -78.88	145.95 5.42 -84.02	128.44 5.54 -66.40	130.95 5.41 -69.15	130.95 5.36 -69.20	135.95 5.36 -74.21	134.00 5.88 -69.29	175.76 6.41 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	133.95 5.65 -71.80	130.95 5.53 -69.03	88.98 5.48 -26.94
RCPI_TRUST___DRP 24196	105.06 5.66 -40.39	97.65 5.23 -34.32	91.74 4.97 -30.33	88.86 4.85 -27.63	91.46 5.02 -29.99	97.69 5.14 -35.43	101.51 5.30 -36.72	113.31 5.08 -52.39	123.66 5.44 -60.34	124.36 5.65 -59.83	125.33 5.43 -62.76	125.28 5.37 -63.41	113.53 5.37 -51.66	114.06 5.30 -52.37	114.37 5.24 -52.75	118.85 5.30 -57.17	121.87 5.71 -57.34	157.46 6.28 -88.36	160.48 6.19 -92.40	143.50 5.99 -78.20	133.85 5.79 -69.54	120.96 5.54 -58.93	116.25 5.41 -54.46	88.78 5.32 -26.90
RED___ROCHESTER 323720	62.80 -0.88 -4.68	60.72 -1.39 -4.02	58.69 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.06 -1.20 -4.14	62.66 -1.25 -4.42	59.77 -1.96 -5.89	60.84 -2.38 -5.34	61.07 -1.94 -4.13	59.27 -2.23 -4.36	57.96 -2.09 -3.55	57.71 -2.09 -3.30	57.05 -2.31 -2.98	57.15 -2.31 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.10 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
REGAN___SOLAR 323812	121.52 8.20 -54.32	112.35 7.61 -46.64	106.29 7.45 -42.40	102.45 7.44 -38.62	105.86 7.51 -41.91	113.29 8.06 -48.11	119.57 8.80 -51.27	132.11 7.93 -68.35	128.28 8.39 -62.01	114.96 8.13 -47.95	115.24 7.48 -50.62	104.79 7.12 -41.17	101.72 6.95 -38.28	97.66 6.71 -34.57	99.32 7.10 -35.83	104.95 7.89 -40.67	119.87 9.24 -51.81	153.48 10.24 -80.42	155.39 10.28 -83.21	132.13 9.37 -63.44	116.71 9.01 -49.19	116.95 8.58 -51.86	105.94 8.00 -41.56	101.85 7.75 -37.54
RENSSELAER___COGEN 23796	109.29 2.42 -47.86	101.82 2.62 -41.10	96.34 2.54 -37.36	92.95 2.54 -34.03	95.96 2.60 -36.92	102.19 2.69 -42.39	107.41 2.74 -45.17	118.18 2.12 -60.22	114.77 2.26 -54.64	103.60 2.47 -42.25	104.08 2.34 -44.60	95.20 2.43 -36.27	92.60 2.37 -33.72	89.27 2.42 -30.46	90.32 2.37 -31.57	94.41 2.20 -35.83	106.41 1.94 -45.65	135.68 2.01 -70.86	137.20 1.98 -73.32	117.11 1.90 -55.90	103.73 1.87 -43.34	104.06 1.86 -45.70	95.03 2.03 -36.62	91.79 2.15 -33.08
REPUBLIC_115KV_BARTNBRK 55605	115.82 7.38 -49.43	107.23 6.68 -42.45	101.63 6.60 -38.59	98.19 6.65 -35.15	101.41 6.83 -38.14	108.16 7.25 -43.79	113.95 7.79 -46.66	125.13 7.09 -62.20	122.13 7.81 -56.44	110.12 7.60 -43.64	110.24 7.03 -46.07	100.58 6.61 -37.47	97.83 6.50 -34.83	94.05 6.20 -31.46	95.25 6.26 -32.61	100.39 6.99 -37.01	114.03 8.06 -47.15	144.99 8.98 -73.19	146.66 9.04 -75.73	125.18 8.13 -57.74	111.24 7.96 -44.77	111.10 7.40 -47.20	101.14 6.94 -37.82	97.40 6.67 -34.16
REVERE_CPPR_DRP 24186	64.24 3.19 -2.05	62.82 2.96 -1.76	60.92 2.88 -1.60	60.66 2.82 -1.46	60.90 2.88 -1.58	61.91 2.97 -1.82	64.76 3.33 -1.93	61.49 3.07 -2.58	63.40 3.18 -2.34	64.05 3.36 -1.81	62.14 3.09 -1.91	60.82 2.77 -1.55	60.71 2.77 -1.44	60.39 2.71 -1.30	60.39 2.65 -1.35	60.85 2.93 -1.53	64.13 3.35 -1.96	69.43 3.58 -3.03	68.56 3.53 -3.14	65.03 3.32 -2.39	63.42 3.04 -1.86	61.28 2.82 -1.96	60.60 2.65 -1.57	60.81 2.83 -1.42
REYNOLDS_115KV_TB3 80639	109.60 2.66 -47.94	102.00 2.73 -41.17	96.57 2.71 -37.42	93.18 2.71 -34.09	96.14 2.71 -36.99	102.32 2.74 -42.46	107.60 2.86 -45.25	118.51 2.35 -60.32	115.16 2.55 -54.73	103.91 2.71 -42.32	104.45 2.63 -44.67	95.49 2.66 -36.34	92.94 2.66 -33.78	89.55 2.65 -30.51	90.66 2.65 -31.62	94.82 2.54 -35.90	107.02 2.47 -45.73	136.37 2.58 -70.98	137.88 2.54 -73.45	117.68 2.37 -56.00	104.27 2.34 -43.41	104.59 2.32 -45.77	95.49 2.42 -36.68	92.18 2.49 -33.13
RIVERBAY____ 323610	104.49 6.49 -38.99	97.63 6.10 -33.43	92.65 5.87 -30.34	89.77 5.75 -27.64	92.29 5.87 -29.98	97.54 5.94 -34.48	102.30 6.13 -36.68	110.76 5.81 -49.11	109.43 6.19 -45.36	101.90 6.42 -36.60	101.10 6.06 -37.90	94.10 5.99 -31.61	91.47 6.05 -28.93	88.85 5.98 -26.49	89.66 5.92 -27.36	93.18 5.92 -30.88	104.20 6.47 -38.90	130.18 7.04 -60.33	141.98 6.93 -73.16	114.90 6.70 -48.88	103.32 6.50 -38.31	101.85 6.27 -39.08	94.50 6.15 -31.98	89.58 6.17 -26.86
RIVERSDE_115KV_TB3 55908	109.65 2.60 -48.05	102.15 2.79 -41.26	96.66 2.71 -37.51	93.26 2.71 -34.17	96.22 2.71 -37.07	102.48 2.80 -42.56	107.76 2.92 -45.35	118.59 2.29 -60.46	115.22 2.49 -54.85	103.95 2.65 -42.41	104.49 2.57 -44.77	95.52 2.60 -36.42	92.96 2.60 -33.86	89.56 2.59 -30.58	90.67 2.59 -31.69	94.78 2.42 -35.98	106.95 2.29 -45.83	136.34 2.39 -71.14	137.86 2.35 -73.61	117.63 2.19 -56.12	104.25 2.22 -43.51	104.52 2.15 -45.88	95.46 2.31 -36.76	92.20 2.43 -33.21
ROARING___BROOK_WT_PWR 323790	58.18 -0.83 0.00	57.46 -0.64 0.00	55.82 -0.62 0.00	55.82 -0.56 0.00	55.88 -0.56 0.00	56.49 -0.63 0.00	58.78 -0.71 0.00	55.34 -0.50 0.00	57.30 -0.58 0.00	58.24 -0.65 0.00	56.63 -0.52 0.00	55.93 -0.56 0.00	55.93 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	55.82 -0.56 0.00	58.12 -0.70 0.00	61.75 -1.07 0.00	60.72 -1.18 0.00	58.13 -1.19 0.00	57.47 -1.05 0.00	55.59 -0.91 0.00	55.54 -0.84 0.00	55.60 -0.96 0.00
ROCHESRG_115KV_T4 355643	62.11 -1.53 -4.64	60.11 -1.98 -3.99	58.15 -1.92 -3.62	57.60 -2.09 -3.30	57.99 -2.03 -3.58	59.46 -1.77 -4.11	62.03 -1.84 -4.38	59.17 -2.51 -5.84	60.23 -2.95 -5.30	60.33 -2.65 -4.10	58.61 -2.86 -4.33	57.31 -2.71 -3.52	57.00 -2.77 -3.27	56.41 -2.93 -2.95	56.40 -3.04 -3.06	56.87 -2.99 -3.48	60.43 -2.82 -4.43	67.05 -2.64 -6.87	66.53 -2.48 -7.11	62.24 -2.49 -5.42	59.97 -2.75 -4.20	58.11 -2.82 -4.43	57.12 -2.82 -3.55	57.79 -1.98 -3.21
ROCHESTER_9_IC 23652	62.50 -1.18 -4.68	60.43 -1.68 -4.02	58.46 -1.64 -3.65	57.96 -1.75 -3.33	58.30 -1.75 -3.61	59.78 -1.49 -4.14	62.42 -1.49 -4.42	59.49 -2.23 -5.89	60.61 -2.60 -5.34	60.71 -2.30 -4.13	58.99 -2.51 -4.36	57.67 -2.37 -3.55	57.37 -2.43 -3.30	56.77 -2.59 -2.98	56.76 -2.71 -3.09	57.24 -2.65 -3.50	60.82 -2.47 -4.46	67.54 -2.20 -6.93	67.02 -2.04 -7.17	62.64 -2.14 -5.46	60.35 -2.40 -4.24	58.48 -2.49 -4.47	57.42 -2.54 -3.58	58.10 -1.70 -3.23
ROCKVIEW_13_KV_LD 356306	103.46 5.43 -39.02	96.52 5.05 -33.36	91.57 4.80 -30.32	88.69 4.68 -27.63	91.27 4.85 -29.97	96.50 4.97 -34.41	101.28 5.12 -36.67	109.58 4.86 -48.88	107.44 5.21 -44.35	101.54 5.48 -37.19	98.60 5.26 -36.20	91.14 5.20 -29.44	89.07 5.20 -27.38	86.24 5.13 -24.73	87.08 5.07 -25.63	90.60 5.13 -29.09	103.72 5.53 -39.37	129.97 6.09 -61.06	141.83 6.07 -73.87	114.78 5.81 -49.65	103.31 5.68 -39.12	101.45 5.37 -39.58	94.17 5.24 -32.54	88.56 5.15 -26.85
ROME_____115KV_TB2 80656	64.24 3.19 -2.05	62.82 2.96 -1.76	60.92 2.88 -1.60	60.66 2.82 -1.46	60.90 2.88 -1.58	61.91 2.97 -1.82	64.76 3.33 -1.93	61.49 3.07 -2.58	63.40 3.18 -2.34	64.05 3.36 -1.81	62.14 3.09 -1.91	60.82 2.77 -1.55	60.71 2.77 -1.44	60.39 2.71 -1.30	60.39 2.65 -1.35	60.85 2.93 -1.53	64.13 3.35 -1.96	69.43 3.58 -3.03	68.56 3.53 -3.14	65.03 3.32 -2.39	63.42 3.04 -1.86	61.28 2.82 -1.96	60.60 2.65 -1.57	60.81 2.83 -1.42

ROSETON___1 23587	102.34 4.19 -39.14	95.61 3.89 -33.61	90.72 3.72 -30.55	87.88 3.66 -27.83	90.43 3.78 -30.20	95.62 3.83 -34.67	100.37 3.93 -36.95	108.89 3.80 -49.25	106.62 4.05 -44.69	97.73 4.30 -34.55	97.68 4.06 -36.48	90.18 4.01 -29.67	88.09 4.01 -27.58	85.24 3.95 -24.91	86.15 3.95 -25.82	89.64 3.95 -29.31	100.45 4.29 -37.34	125.48 4.71 -57.95	126.51 4.64 -59.97	109.54 4.51 -45.72	98.36 4.39 -35.45	98.05 4.18 -37.37	90.39 4.06 -29.95	87.57 3.96 -27.05
ROSETON___2 23588	102.34 4.19 -39.14	95.61 3.89 -33.61	90.72 3.72 -30.55	87.88 3.66 -27.83	90.43 3.78 -30.20	95.62 3.83 -34.67	100.37 3.93 -36.95	108.89 3.80 -49.25	106.62 4.05 -44.69	97.73 4.30 -34.55	97.68 4.06 -36.48	90.18 4.01 -29.67	88.09 4.01 -27.58	85.24 3.95 -24.91	86.15 3.95 -25.82	89.64 3.95 -29.31	100.45 4.29 -37.34	125.48 4.71 -57.95	126.51 4.64 -59.97	109.54 4.51 -45.72	98.36 4.39 -35.45	98.05 4.18 -37.37	90.39 4.06 -29.95	87.57 3.96 -27.05
ROTRDAM_115KV_TB3 80664	111.68 2.71 -49.96	103.56 2.56 -42.90	97.92 2.48 -38.99	94.39 2.48 -35.52	97.52 2.54 -38.54	103.94 2.57 -44.25	109.39 2.74 -47.15	121.16 2.46 -62.86	117.57 2.66 -57.03	105.69 2.71 -44.10	106.27 2.57 -46.55	96.85 2.49 -37.86	94.19 2.49 -35.20	90.60 2.42 -31.80	91.82 2.48 -32.95	96.38 2.59 -37.40	109.36 2.88 -47.65	139.92 3.14 -73.96	141.52 3.09 -76.53	120.57 2.91 -58.35	106.56 2.81 -45.24	106.91 2.71 -47.70	97.20 2.59 -38.22	93.63 2.55 -34.53
RUSSELL___1 23602	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
RUSSELL___2 23532	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
RUSSELL___3 23549	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
RUSSELL___4 23556	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
RUSSELL___STATION 23914	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
S SALMON___HYD 24043	61.69 -0.12 -2.80	60.22 -0.29 -2.40	58.35 -0.28 -2.19	58.04 -0.34 -1.99	58.27 -0.34 -2.16	59.14 -0.46 -2.48	61.84 -0.30 -2.64	59.03 -0.33 -3.52	60.73 -0.35 -3.20	61.18 -0.18 -2.47	59.47 -0.28 -2.61	58.34 -0.28 -2.12	58.14 -0.34 -1.97	57.77 -0.39 -1.78	57.84 -0.39 -1.85	58.26 -0.22 -2.10	61.38 -0.12 -2.67	66.90 -0.06 -4.15	66.18 0.00 -4.29	62.53 -0.06 -3.27	60.94 -0.12 -2.54	59.00 -0.17 -2.67	58.13 -0.39 -2.14	58.27 -0.23 -1.94
S.PERRY__115KV_TB1 80734	66.82 1.12 -6.69	64.32 0.46 -5.75	62.12 0.45 -5.23	61.43 0.28 -4.76	61.95 0.34 -5.16	63.73 0.69 -5.93	66.77 0.95 -6.32	64.38 0.11 -8.42	65.17 -0.35 -7.64	64.73 -0.06 -5.91	62.70 -0.69 -6.24	61.01 -0.56 -5.07	60.60 -0.62 -4.72	59.74 -0.90 -4.26	59.78 -1.01 -4.42	60.72 -0.68 -5.01	65.21 0.00 -6.39	73.48 0.75 -9.91	73.08 0.93 -10.26	67.79 0.65 -7.82	64.81 0.23 -6.06	62.72 -0.17 -6.39	61.11 -0.39 -5.12	61.70 0.51 -4.63
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	61.38 -3.66 -6.03	58.98 -4.30 -5.18	57.09 -4.06 -4.71	56.33 -4.34 -4.29	57.14 -3.95 -4.65	58.63 -3.83 -5.34	61.02 -4.16 -5.69	58.18 -5.25 -7.58	58.80 -5.96 -6.88	58.61 -5.59 -5.32	57.05 -5.71 -5.62	55.53 -5.54 -4.57	55.15 -5.59 -4.25	54.41 -5.81 -3.84	54.44 -5.92 -3.98	55.09 -5.81 -4.51	58.81 -5.76 -5.75	66.02 -5.72 -8.92	65.62 -5.51 -9.23	60.84 -5.52 -7.04	58.18 -5.79 -5.46	56.55 -5.71 -5.76	55.41 -5.58 -4.61	56.65 -4.07 -4.17
SAWYER___23_KV_LOAD 55526	61.38 -3.66 -6.03	58.98 -4.30 -5.18	57.09 -4.06 -4.71	56.33 -4.34 -4.29	57.14 -3.95 -4.65	58.63 -3.83 -5.34	61.02 -4.16 -5.69	58.18 -5.25 -7.58	58.80 -5.96 -6.88	58.61 -5.59 -5.32	57.05 -5.71 -5.62	55.53 -5.54 -4.57	55.15 -5.59 -4.25	54.41 -5.81 -3.84	54.44 -5.92 -3.98	55.09 -5.81 -4.51	58.81 -5.76 -5.75	66.02 -5.72 -8.92	65.62 -5.51 -9.23	60.84 -5.52 -7.04	58.18 -5.79 -5.46	56.55 -5.71 -5.76	55.41 -5.58 -4.61	56.65 -4.07 -4.17
SELKIRK___I 23801	108.83 2.72 -47.11	101.34 2.79 -40.45	95.98 2.77 -36.77	92.65 2.76 -33.50	95.55 2.77 -36.35	101.70 2.85 -41.73	106.94 2.97 -44.47	117.52 2.40 -59.28	114.27 2.61 -53.78	103.12 2.65 -41.59	103.55 2.51 -43.90	94.75 2.54 -35.71	92.24 2.54 -33.20	88.91 2.54 -29.98	90.00 2.54 -31.07	94.13 2.48 -35.27	106.17 2.41 -44.93	135.14 2.58 -69.75	136.61 2.54 -72.17	116.72 2.38 -55.03	103.52 2.34 -42.66	103.74 2.26 -44.98	94.79 2.37 -36.04	91.55 2.43 -32.56
SELKIRK___II 23799	109.08 2.42 -47.65	101.52 2.50 -40.92	96.07 2.43 -37.20	92.69 2.42 -33.89	95.63 2.43 -36.76	101.84 2.51 -42.21	107.09 2.61 -44.98	117.92 2.12 -59.96	114.60 2.32 -54.40	103.42 2.47 -42.07	103.89 2.34 -44.41	94.99 2.37 -36.12	92.40 2.32 -33.58	89.03 2.31 -30.33	90.13 2.31 -31.43	94.26 2.20 -35.68	106.39 2.11 -45.45	135.63 2.26 -70.55	137.12 2.22 -73.00	117.11 2.13 -55.66	103.77 2.10 -43.15	104.03 2.03 -45.50	94.98 2.14 -36.46	91.70 2.20 -32.93
SENECA OSWGO___HYD 24041	61.30 -0.83 -3.12	59.79 -0.99 -2.68	57.92 -0.96 -2.44	57.59 -1.01 -2.22	57.84 -1.01 -2.41	58.91 -0.97 -2.76	61.61 -0.83 -2.94	58.76 -1.00 -3.93	60.40 -1.04 -3.56	60.75 -0.88 -2.75	59.08 -0.97 -2.91	57.96 -0.91 -2.36	57.74 -0.96 -2.20	57.36 -1.01 -1.99	57.37 -1.07 -2.06	57.71 -1.01 -2.34	60.92 -0.88 -2.98	66.68 -0.75 -4.62	65.93 -0.74 -4.78	62.19 -0.77 -3.64	60.47 -0.88 -2.83	58.52 -0.96 -2.98	57.64 -1.13 -2.39	57.81 -0.91 -2.16

SENECA___115KV_TB3 355854	61.98 -3.30 -6.27	59.54 -3.95 -5.39	57.62 -3.73 -4.90	56.79 -4.06 -4.46	57.67 -3.61 -4.84	59.19 -3.48 -5.56	61.67 -3.75 -5.92	58.99 -4.75 -7.90	59.54 -5.50 -7.16	59.36 -5.06 -5.54	57.79 -5.20 -5.85	56.23 -5.03 -4.76	55.84 -5.08 -4.42	55.08 -5.30 -3.99	55.11 -5.41 -4.14	55.78 -5.30 -4.70	59.57 -5.24 -5.98	67.02 -5.09 -9.29	66.62 -4.89 -9.61	61.66 -4.98 -7.33	58.99 -5.21 -5.68	57.29 -5.20 -5.99	56.05 -5.13 -4.80	57.22 -3.68 -4.34
SENECA___ENERGY 23797	63.74 -0.29 -5.02	61.78 -0.64 -4.31	59.75 -0.62 -3.92	59.22 -0.73 -3.57	59.70 -0.62 -3.88	61.11 -0.46 -4.45	63.94 -0.30 -4.74	61.55 -0.61 -6.32	62.86 -0.75 -5.73	62.73 -0.59 -4.43	61.08 -0.74 -4.68	59.57 -0.74 -3.81	59.25 -0.79 -3.54	58.62 -0.96 -3.20	58.79 -0.90 -3.31	59.36 -0.79 -3.76	63.14 -0.47 -4.79	70.07 -0.19 -7.44	69.47 -0.12 -7.70	65.00 -0.18 -5.87	62.66 -0.41 -4.55	60.68 -0.62 -4.80	59.38 -0.84 -3.84	59.58 -0.45 -3.47
SHOEMAKER___GT 23640	98.36 3.72 -35.63	92.11 3.43 -30.58	87.52 3.27 -27.80	84.86 3.16 -25.33	87.19 3.27 -27.48	91.98 3.31 -31.55	96.56 3.45 -33.62	103.95 3.29 -44.81	102.07 3.53 -40.66	94.33 3.77 -31.68	93.82 3.49 -33.19	86.94 3.45 -26.99	85.04 3.45 -25.10	82.38 3.33 -22.67	83.20 3.33 -23.49	86.43 3.38 -26.67	96.75 3.77 -34.16	120.05 4.21 -53.02	121.78 4.15 -55.74	105.30 4.04 -41.95	95.01 3.92 -32.58	94.38 3.67 -34.21	87.42 3.55 -27.48	84.68 3.51 -24.61
SHOEMAKR_138KV_BK 111 55601	98.18 3.78 -35.40	91.97 3.49 -30.38	87.34 3.27 -27.62	84.76 3.21 -25.16	87.02 3.27 -27.30	91.83 3.37 -31.34	96.34 3.45 -33.40	103.66 3.29 -44.52	101.86 3.59 -40.39	94.11 3.77 -31.46	93.66 3.54 -32.97	86.82 3.50 -26.82	84.88 3.45 -24.93	82.29 3.38 -22.52	83.05 3.33 -23.34	86.31 3.44 -26.49	96.58 3.82 -33.93	119.69 4.21 -52.66	121.43 4.21 -55.32	105.01 4.03 -41.66	94.79 3.92 -32.35	94.21 3.73 -33.98	87.28 3.61 -27.29	84.52 3.51 -24.45
SHOREHAM_IC_1 23715	125.39 6.90 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.06 5.77 -43.80	118.41 5.53 -57.04	121.56 5.79 -57.89	112.36 6.42 -47.06	113.23 7.08 -49.00	108.69 6.61 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.33 6.59 -49.35	116.12 7.05 -52.69	146.12 7.00 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.55 7.17 -86.06	149.55 6.90 -84.13	125.00 6.61 -61.90	114.70 6.71 -51.61	109.83 6.56 -46.71
SHOREHAM_IC_2 23716	125.39 6.90 -59.48	112.58 6.68 -47.80	104.80 6.32 -42.04	100.48 6.31 -37.78	107.16 6.43 -44.28	112.51 6.45 -48.93	109.06 5.77 -43.80	118.41 5.53 -57.04	121.56 5.79 -57.89	112.36 6.42 -47.06	113.23 7.08 -49.00	108.69 6.61 -45.58	105.11 6.78 -41.83	104.19 6.76 -41.04	112.33 6.59 -49.35	116.12 7.05 -52.69	146.12 7.00 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	152.55 7.17 -86.06	149.55 6.90 -84.13	125.00 6.61 -61.90	114.70 6.71 -51.61	109.83 6.56 -46.71
SISSONVILLE____ 23735	56.29 -2.71 0.00	56.24 -1.86 0.00	54.75 -1.69 0.00	54.69 -1.69 0.00	54.69 -1.75 0.00	54.72 -2.40 0.00	56.46 -3.03 0.00	53.89 -1.95 0.00	55.79 -2.08 0.00	56.17 -2.71 0.00	54.97 -2.17 0.00	54.30 -2.20 0.00	54.24 -2.26 0.00	54.18 -2.20 0.00	54.24 -2.14 0.00	54.30 -2.09 0.00	56.12 -2.71 0.00	59.05 -3.77 0.00	58.18 -3.71 0.00	56.11 -3.20 0.00	56.00 -2.52 0.00	54.24 -2.26 0.00	54.58 -1.80 0.00	54.58 -1.98 0.00
SITHE_IND_GS1 24169	59.61 -1.83 -2.43	58.27 -1.92 -2.09	56.48 -1.86 -1.90	56.20 -1.92 -1.73	56.46 -1.86 -1.88	57.44 -1.83 -2.15	59.95 -1.84 -2.30	57.00 -1.90 -3.06	58.63 -2.03 -2.78	59.09 -1.94 -2.15	57.47 -1.94 -2.27	56.42 -1.92 -1.84	56.29 -1.92 -1.71	55.96 -1.98 -1.55	56.01 -1.98 -1.60	56.23 -1.98 -1.82	59.20 -1.94 -2.32	64.47 -1.95 -3.60	63.70 -1.92 -3.73	60.32 -1.84 -2.84	58.79 -1.93 -2.20	56.90 -1.92 -2.32	56.27 -1.98 -1.86	56.38 -1.87 -1.68
SITHE_IND_GS2 24170	59.61 -1.83 -2.43	58.27 -1.92 -2.09	56.48 -1.86 -1.90	56.20 -1.92 -1.73	56.46 -1.86 -1.88	57.44 -1.83 -2.15	59.95 -1.84 -2.30	57.00 -1.90 -3.06	58.63 -2.03 -2.78	59.09 -1.94 -2.15	57.47 -1.94 -2.27	56.42 -1.92 -1.84	56.29 -1.92 -1.71	55.96 -1.98 -1.55	56.01 -1.98 -1.60	56.23 -1.98 -1.82	59.20 -1.94 -2.32	64.47 -1.95 -3.60	63.70 -1.92 -3.73	60.32 -1.84 -2.84	58.79 -1.93 -2.20	56.90 -1.92 -2.32	56.27 -1.98 -1.86	56.38 -1.87 -1.68
SITHE_IND_GS3 24171	59.61 -1.83 -2.43	58.27 -1.92 -2.09	56.48 -1.86 -1.90	56.20 -1.92 -1.73	56.46 -1.86 -1.88	57.44 -1.83 -2.15	59.95 -1.84 -2.30	57.00 -1.90 -3.06	58.63 -2.03 -2.78	59.09 -1.94 -2.15	57.47 -1.94 -2.27	56.42 -1.92 -1.84	56.29 -1.92 -1.71	55.96 -1.98 -1.55	56.01 -1.98 -1.60	56.23 -1.98 -1.82	59.20 -1.94 -2.32	64.47 -1.95 -3.60	63.70 -1.92 -3.73	60.32 -1.84 -2.84	58.79 -1.93 -2.20	56.90 -1.92 -2.32	56.27 -1.98 -1.86	56.38 -1.87 -1.68
SITHE_IND_GS4 24172	59.61 -1.83 -2.43	58.27 -1.92 -2.09	56.48 -1.86 -1.90	56.20 -1.92 -1.73	56.46 -1.86 -1.88	57.44 -1.83 -2.15	59.95 -1.84 -2.30	57.00 -1.90 -3.06	58.63 -2.03 -2.78	59.09 -1.94 -2.15	57.47 -1.94 -2.27	56.42 -1.92 -1.84	56.29 -1.92 -1.71	55.96 -1.98 -1.55	56.01 -1.98 -1.60	56.23 -1.98 -1.82	59.20 -1.94 -2.32	64.47 -1.95 -3.60	63.70 -1.92 -3.73	60.32 -1.84 -2.84	58.79 -1.93 -2.20	56.90 -1.92 -2.32	56.27 -1.98 -1.86	56.38 -1.87 -1.68
SITHE___BATAVIA 24024	62.37 -2.01 -5.37	60.04 -2.67 -4.61	58.04 -2.60 -4.19	57.38 -2.82 -3.82	57.88 -2.71 -4.14	59.53 -2.34 -4.75	62.00 -2.56 -5.06	59.02 -3.57 -6.75	59.78 -4.22 -6.13	59.91 -3.71 -4.74	58.09 -4.06 -5.00	56.67 -3.90 -4.07	56.32 -3.96 -3.78	55.57 -4.23 -3.41	55.75 -4.17 -3.54	56.06 -4.34 -4.02	59.82 -4.12 -5.12	66.99 -3.77 -7.94	66.59 -3.53 -8.22	61.96 -3.62 -6.27	59.39 -3.98 -4.86	57.55 -4.07 -5.12	56.43 -4.06 -4.10	57.50 -2.77 -3.71
SITHE___INDEPEND 23800	59.61 -1.83 -2.43	58.27 -1.92 -2.09	56.48 -1.86 -1.90	56.20 -1.92 -1.73	56.46 -1.86 -1.88	57.45 -1.83 -2.15	59.95 -1.84 -2.30	57.00 -1.90 -3.06	58.63 -2.03 -2.78	59.09 -1.94 -2.15	57.41 -2.00 -2.27	56.42 -1.92 -1.84	56.24 -1.98 -1.71	55.96 -1.97 -1.55	55.96 -2.03 -1.60	56.23 -1.97 -1.82	59.20 -1.94 -2.32	64.47 -1.95 -3.60	63.70 -1.92 -3.73	60.32 -1.84 -2.84	58.79 -1.93 -2.20	56.90 -1.92 -2.32	56.27 -1.97 -1.86	56.37 -1.87 -1.68
SITHE___MASSENA 23902	57.24 -1.77 0.00	57.11 -0.99 0.00	55.60 -0.85 0.00	55.54 -0.84 0.00	55.54 -0.91 0.00	55.98 -1.14 0.00	57.77 -1.73 0.00	54.89 -0.95 0.00	56.89 -0.98 0.00	57.23 -1.65 0.00	56.05 -1.09 0.00	55.42 -1.08 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	57.24 -1.59 0.00	60.37 -2.45 0.00	59.42 -2.48 0.00	57.36 -1.96 0.00	57.11 -1.40 0.00	55.37 -1.13 0.00	55.42 -0.96 0.00	55.43 -1.13 0.00
SITHE___OGDNSBRG 24021	57.65 -1.36 0.00	57.52 -0.58 0.00	55.99 -0.45 0.00	55.99 -0.39 0.00	55.94 -0.51 0.00	56.21 -0.91 0.00	58.07 -1.43 0.00	55.39 -0.45 0.00	57.36 -0.52 0.00	57.76 -1.12 0.00	56.46 -0.69 0.00	55.77 -0.73 0.00	55.71 -0.79 0.00	55.71 -0.68 0.00	55.71 -0.68 0.00	55.76 -0.62 0.00	57.71 -1.12 0.00	60.74 -2.07 0.00	59.85 -2.04 0.00	57.71 -1.60 0.00	57.52 -0.99 0.00	55.71 -0.79 0.00	55.88 -0.51 0.00	55.83 -0.74 0.00

SITHE___STERLING 23777	63.97 2.59 -2.37	62.52 2.38 -2.04	60.61 2.32 -1.85	60.33 2.26 -1.69	60.64 2.37 -1.83	61.68 2.45 -2.10	64.53 2.80 -2.24	61.34 2.52 -2.99	63.19 2.61 -2.71	63.74 2.77 -2.09	61.86 2.51 -2.21	60.56 2.26 -1.80	60.43 2.26 -1.67	60.09 2.20 -1.51	60.15 2.20 -1.56	60.53 2.37 -1.78	63.80 2.71 -2.26	69.28 2.95 -3.51	68.38 2.85 -3.63	64.76 2.67 -2.77	63.12 2.46 -2.15	61.03 2.26 -2.27	60.29 2.09 -1.82	60.52 2.32 -1.64
SLEIGHT__34_KV_TB1 80719	62.83 -0.77 -4.59	60.94 -1.10 -3.94	58.90 -1.13 -3.58	58.46 -1.18 -3.26	58.80 -1.19 -3.54	60.22 -0.97 -4.07	62.94 -0.89 -4.33	60.28 -1.34 -5.78	61.56 -1.56 -5.24	61.64 -1.30 -4.05	59.94 -1.49 -4.28	58.62 -1.36 -3.48	58.27 -1.47 -3.24	57.73 -1.58 -2.92	57.72 -1.69 -3.03	58.19 -1.64 -3.44	61.79 -1.41 -4.38	68.55 -1.07 -6.80	67.94 -0.99 -7.03	63.55 -1.13 -5.36	61.33 -1.35 -4.16	59.36 -1.53 -4.38	58.26 -1.64 -3.51	58.66 -1.07 -3.17
SOUTH CAIRO___GT 23612	108.59 4.25 -45.33	101.50 4.47 -38.93	96.12 4.29 -35.39	92.79 4.17 -32.24	95.49 4.07 -34.97	101.56 4.29 -40.15	106.87 4.58 -42.79	116.68 3.80 -57.04	113.98 4.34 -51.76	103.37 4.47 -40.02	103.27 3.89 -42.24	94.64 3.79 -34.36	92.12 3.67 -31.95	88.79 3.55 -28.85	89.84 3.55 -29.90	93.99 3.66 -33.94	105.95 3.88 -43.24	134.27 4.33 -67.12	135.68 4.33 -69.45	116.24 3.97 -52.95	103.32 3.75 -41.05	103.29 3.50 -43.28	94.56 3.50 -34.68	91.46 3.57 -31.33
SOUTH HAMPTN___IC 23720	126.34 7.85 -59.48	113.45 7.55 -47.80	105.65 7.17 -42.04	101.27 7.10 -37.78	107.95 7.23 -44.28	113.37 7.31 -48.93	110.07 6.78 -43.80	119.35 6.47 -57.04	122.48 6.71 -57.89	113.24 7.30 -47.06	113.91 7.77 -49.00	109.42 7.34 -45.58	105.79 7.46 -41.83	104.81 7.38 -41.04	113.01 7.28 -49.35	116.79 7.73 -52.69	147.01 7.89 -80.30	157.98 9.11 -86.06	159.27 9.04 -88.34	153.50 8.13 -86.06	150.49 7.84 -84.13	125.85 7.46 -61.90	115.44 7.44 -51.61	110.57 7.30 -46.71
SOUTHDOW_115KV_TB1 355954	63.79 -2.01 -6.79	61.03 -2.91 -5.83	59.09 -2.65 -5.30	58.34 -2.88 -4.83	59.26 -2.43 -5.24	60.79 -2.34 -6.01	63.70 -2.20 -6.41	61.26 -3.13 -8.54	61.81 -3.82 -7.75	61.52 -3.36 -5.99	59.98 -3.49 -6.33	58.43 -3.22 -5.15	58.06 -3.22 -4.78	57.15 -3.55 -4.32	57.14 -3.72 -4.48	57.86 -3.61 -5.08	61.89 -3.41 -6.48	69.79 -3.08 -10.05	69.45 -2.85 -10.40	64.16 -3.08 -7.93	61.33 -3.34 -6.15	59.37 -3.62 -6.48	57.80 -3.78 -5.19	58.88 -2.38 -4.69
SOUTHOLD_69_KV_BK 2 55809	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.45 8.40 -48.93	111.21 7.91 -43.80	120.42 7.54 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.69 -49.00	110.27 8.19 -45.58	106.58 8.25 -41.83	105.66 8.23 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.14 9.90 -88.34	154.69 9.31 -86.06	151.60 8.95 -84.13	126.87 8.47 -61.90	116.23 8.23 -51.61	111.64 8.37 -46.71
SOUTHOLD___IC 23719	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.45 8.40 -48.93	111.21 7.91 -43.80	120.41 7.54 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.68 -49.00	110.27 8.19 -45.58	106.64 8.31 -41.83	105.66 8.23 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.51 10.28 -88.34	154.69 9.31 -86.06	151.60 8.95 -84.13	126.87 8.47 -61.90	116.40 8.40 -51.61	111.53 8.26 -46.71
SOUTH_FORK_WT_PWR 323839	127.40 8.91 -59.48	114.44 8.54 -47.80	106.61 8.13 -42.04	102.23 8.06 -37.78	108.96 8.24 -44.28	114.39 8.34 -48.93	111.15 7.85 -43.80	120.36 7.49 -57.04	123.58 7.81 -57.89	114.18 8.24 -47.06	114.83 8.68 -49.00	110.27 8.19 -45.58	106.58 8.25 -41.83	105.60 8.17 -41.04	113.85 8.12 -49.35	117.70 8.63 -52.69	148.00 8.88 -80.30	159.18 10.30 -86.06	160.44 10.21 -88.34	154.63 9.25 -86.06	151.54 8.89 -84.13	126.87 8.47 -61.90	116.40 8.40 -51.61	111.53 8.26 -46.71
SPIERFLS_115KV_TB 1 80737	112.86 4.37 -49.49	104.61 4.01 -42.50	98.97 3.89 -38.63	95.46 3.89 -35.19	98.63 4.01 -38.18	105.18 4.23 -43.83	110.73 4.52 -46.71	122.24 4.13 -62.27	118.89 4.51 -56.50	106.98 4.42 -43.69	107.37 4.11 -46.12	97.91 3.90 -37.51	95.27 3.90 -34.87	91.60 3.72 -31.50	92.80 3.78 -32.64	97.61 4.17 -37.05	110.79 4.76 -47.20	141.43 5.34 -73.27	143.03 5.32 -75.82	121.98 4.86 -57.80	108.07 4.74 -44.81	108.16 4.41 -47.25	98.42 4.17 -37.86	94.72 3.96 -34.20
ST LAWRENCE____ 23600	57.06 -1.95 0.00	56.59 -1.51 0.00	55.04 -1.41 0.00	55.03 -1.35 0.00	54.98 -1.47 0.00	55.52 -1.60 0.00	57.59 -1.91 0.00	54.45 -1.39 0.00	56.37 -1.51 0.00	57.06 -1.83 0.00	55.60 -1.54 0.00	54.98 -1.52 0.00	54.98 -1.41 0.00	54.98 -1.41 0.00	54.98 -1.41 0.00	57.00 -1.82 0.00	60.49 -2.32 0.00	59.61 -2.29 0.00	57.24 -2.08 0.00	56.76 -1.75 0.00	54.92 -1.58 0.00	54.98 -1.41 0.00	54.98 -1.58 0.00	
STATE_CA_115KV_115_LB 55624	110.08 2.71 -48.35	102.53 2.91 -41.52	97.07 2.88 -37.74	93.59 2.82 -34.38	96.63 2.88 -37.31	102.92 2.97 -42.83	108.23 3.09 -45.64	119.09 2.40 -60.84	115.69 2.60 -55.20	104.33 2.77 -42.69	104.89 2.69 -45.06	95.86 2.71 -36.65	93.23 2.66 -34.07	89.87 2.71 -30.78	90.93 2.65 -31.90	95.13 2.54 -36.21	107.30 2.35 -46.12	136.86 2.45 -71.59	138.45 2.48 -74.08	118.05 2.25 -56.48	104.59 2.28 -43.79	104.87 2.20 -46.17	95.75 2.37 -37.00	92.52 2.55 -33.42
STATE_ST_34_KV_LOAD 55959	64.44 0.47 -4.96	62.59 0.23 -4.26	60.49 0.17 -3.87	60.02 0.11 -3.53	60.44 0.17 -3.83	61.80 0.29 -4.39	64.71 0.54 -4.68	62.36 0.28 -6.24	63.83 0.29 -5.66	63.67 0.41 -4.38	62.05 0.29 -4.62	60.60 0.34 -3.76	60.22 0.23 -3.50	59.71 0.17 -3.16	59.71 0.06 -3.27	60.32 0.23 -3.71	64.09 0.53 -4.73	71.04 0.88 -7.35	70.36 0.87 -7.60	65.82 0.71 -5.80	63.54 0.53 -4.49	61.52 0.28 -4.74	60.18 0.00 -3.80	60.27 0.28 -3.43
STATION 5_MISC_HYD 23604	62.50 -1.18 -4.68	60.43 -1.69 -4.02	58.46 -1.64 -3.65	57.96 -1.75 -3.33	58.30 -1.75 -3.61	59.78 -1.49 -4.14	62.43 -1.49 -4.42	59.55 -2.18 -5.89	60.56 -2.66 -5.34	60.77 -2.24 -4.13	58.99 -2.51 -4.36	57.67 -2.37 -3.55	57.42 -2.37 -3.30	56.77 -2.59 -2.98	56.88 -2.59 -3.09	57.24 -2.65 -3.50	60.82 -2.47 -4.46	67.54 -2.20 -6.93	67.02 -2.04 -7.17	62.65 -2.13 -5.46	60.35 -2.40 -4.24	58.48 -2.48 -4.47	57.43 -2.54 -3.58	58.10 -1.70 -3.23
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	63.66 -0.06 -4.71	61.63 -0.52 -4.05	59.56 -0.56 -3.68	59.06 -0.68 -3.35	59.40 -0.68 -3.64	60.89 -0.40 -4.17	63.71 -0.24 -4.45	60.99 -0.78 -5.93	62.16 -1.10 -5.38	62.28 -0.77 -4.16	60.51 -1.03 -4.39	59.17 -0.90 -3.57	58.80 -1.02 -3.32	58.20 -1.18 -3.00	58.19 -1.30 -3.11	58.73 -1.18 -3.53	62.38 -0.94 -4.49	69.23 -0.57 -6.98	68.68 -0.43 -7.22	64.23 -0.59 -5.50	61.91 -0.88 -4.27	59.93 -1.07 -4.50	58.75 -1.24 -3.61	59.20 -0.62 -3.26
STA_56_34_KV_BUS2_REV_LBMP_B 345033	62.29 -1.36 -4.64	60.29 -1.80 -3.99	58.26 -1.81 -3.62	57.77 -1.92 -3.30	58.11 -1.92 -3.58	59.58 -1.66 -4.11	62.21 -1.67 -4.38	59.39 -2.29 -5.84	60.52 -2.66 -5.30	60.63 -2.36 -4.10	58.90 -2.57 -4.33	57.59 -2.43 -3.52	57.29 -2.49 -3.27	56.69 -2.65 -2.96	56.68 -2.76 -3.06	57.15 -2.71 -3.48	60.72 -2.53 -4.43	67.43 -2.26 -6.88	66.90 -2.10 -7.11	62.54 -2.19 -5.42	60.26 -2.46 -4.21	58.39 -2.54 -4.43	57.34 -2.59 -3.55	57.90 -1.87 -3.21

STA_56___34_KV_BUS2 355983	62.29 -1.36 -4.64	60.29 -1.80 -3.99	58.26 -1.81 -3.62	57.77 -1.92 -3.30	58.11 -1.92 -3.58	59.58 -1.66 -4.11	62.21 -1.67 -4.38	59.39 -2.29 -5.84	60.52 -2.66 -5.30	60.63 -2.36 -4.10	58.90 -2.57 -4.33	57.59 -2.43 -3.52	57.29 -2.49 -3.27	56.69 -2.65 -2.96	56.68 -2.76 -3.06	57.15 -2.71 -3.48	60.72 -2.53 -4.43	67.43 -2.26 -6.88	66.90 -2.10 -7.11	62.54 -2.19 -5.42	60.26 -2.46 -4.21	58.39 -2.54 -4.43	57.34 -2.59 -3.55	57.90 -1.87 -3.21
STA_67___115KV_BK2 355882	62.38 -1.30 -4.67	60.31 -1.80 -4.01	58.34 -1.75 -3.65	57.85 -1.86 -3.32	58.24 -1.81 -3.60	59.66 -1.60 -4.14	62.30 -1.61 -4.41	59.37 -2.35 -5.88	60.49 -2.72 -5.33	60.59 -2.41 -4.12	58.87 -2.63 -4.35	57.55 -2.49 -3.54	57.25 -2.54 -3.29	56.65 -2.71 -2.97	56.65 -2.82 -3.08	57.12 -2.76 -3.50	60.69 -2.59 -4.46	67.35 -2.39 -6.92	66.89 -2.17 -7.16	62.52 -2.25 -5.46	60.23 -2.52 -4.23	58.36 -2.60 -4.46	57.31 -2.65 -3.57	57.98 -1.81 -3.23
STA_7___115KV_9TRANS 80674	62.80 -0.89 -4.68	60.72 -1.39 -4.02	58.68 -1.41 -3.65	58.19 -1.52 -3.33	58.53 -1.52 -3.61	60.01 -1.26 -4.14	62.66 -1.25 -4.42	59.77 -1.95 -5.89	60.85 -2.37 -5.34	61.01 -2.00 -4.13	59.27 -2.23 -4.36	57.95 -2.09 -3.55	57.65 -2.15 -3.30	57.05 -2.31 -2.98	57.04 -2.42 -3.09	57.46 -2.42 -3.50	61.11 -2.18 -4.46	67.86 -1.88 -6.93	67.39 -1.67 -7.17	63.00 -1.78 -5.46	60.65 -2.11 -4.24	58.76 -2.20 -4.47	57.71 -2.26 -3.58	58.32 -1.47 -3.23
STA_82___115KV_TB1 80780	62.47 -1.24 -4.70	60.40 -1.74 -4.04	58.42 -1.69 -3.67	57.87 -1.86 -3.34	58.26 -1.81 -3.63	59.74 -1.54 -4.16	62.39 -1.55 -4.44	59.47 -2.29 -5.91	60.52 -2.72 -5.37	60.68 -2.36 -4.15	58.95 -2.57 -4.38	57.63 -2.43 -3.56	57.27 -2.54 -3.31	56.73 -2.65 -2.99	56.72 -2.76 -3.10	57.14 -2.76 -3.52	60.72 -2.59 -4.48	67.45 -2.32 -6.96	66.93 -2.17 -7.20	62.61 -2.19 -5.49	60.26 -2.52 -4.26	58.39 -2.60 -4.49	57.39 -2.59 -3.60	58.06 -1.75 -3.25
STEEL___WIND 323596	61.92 -3.36 -6.27	59.48 -4.01 -5.39	57.56 -3.78 -4.90	56.79 -4.06 -4.46	57.62 -3.67 -4.84	59.14 -3.54 -5.56	61.61 -3.81 -5.92	58.93 -4.80 -7.90	59.49 -5.56 -7.16	59.36 -5.06 -5.54	57.73 -5.26 -5.85	56.17 -5.08 -4.76	55.89 -5.03 -4.42	55.02 -5.36 -3.99	55.22 -5.30 -4.14	55.72 -5.36 -4.70	59.52 -5.29 -5.98	66.96 -5.15 -9.29	66.55 -4.95 -9.61	61.60 -5.04 -7.33	58.93 -5.27 -5.68	57.24 -5.25 -5.99	55.99 -5.19 -4.80	57.16 -3.73 -4.34
STEPHTWN_115KV_BK_2 55603	110.23 3.36 -47.86	102.69 3.49 -41.10	97.24 3.44 -37.36	93.85 3.44 -34.03	96.87 3.50 -36.92	103.16 3.66 -42.39	108.48 3.81 -45.17	119.13 3.07 -60.22	115.82 3.30 -54.64	104.60 3.47 -42.25	105.00 3.26 -44.60	95.99 3.22 -36.27	93.39 3.16 -33.72	90.06 3.21 -30.46	91.17 3.21 -31.57	95.32 3.10 -35.83	107.47 3.00 -45.65	136.88 3.20 -70.86	138.37 3.16 -73.32	118.18 2.97 -55.90	104.78 2.93 -43.34	105.02 2.82 -45.70	95.93 2.93 -36.62	92.75 3.11 -33.08
STEBUBEN_REC_LFGE 323667	67.44 -0.06 -8.50	64.76 -0.64 -7.30	62.57 -0.51 -6.63	61.69 -0.73 -6.04	62.60 -0.40 -6.55	64.47 -0.17 -7.53	67.58 0.06 -8.02	65.86 -0.67 -10.69	66.42 -1.16 -9.70	65.44 -0.94 -7.50	63.75 -1.31 -7.92	61.75 -1.19 -6.44	61.36 -1.13 -5.99	60.49 -1.30 -5.41	60.69 -1.30 -5.60	61.84 -0.90 -6.36	66.58 -0.35 -8.10	75.58 0.19 -12.58	75.16 0.25 -13.02	69.18 -0.06 -9.92	65.80 -0.41 -7.69	63.88 -0.73 -8.11	61.93 -0.96 -6.50	62.43 0.00 -5.87
STILLWATER___SOLAR 323814	112.21 3.95 -49.25	104.12 3.72 -42.29	98.56 3.67 -38.45	95.07 3.66 -35.02	98.17 3.72 -38.00	104.57 3.83 -43.62	110.09 4.10 -46.49	121.50 3.68 -61.97	118.10 3.99 -56.23	106.31 3.95 -43.48	106.75 3.71 -45.90	97.45 3.62 -37.33	94.83 3.62 -34.71	91.23 3.50 -31.35	92.43 3.55 -32.49	97.04 3.78 -36.88	110.04 4.24 -46.98	140.32 4.58 -72.92	141.93 4.58 -75.46	121.12 4.27 -57.53	107.27 4.16 -44.60	107.48 3.95 -47.03	97.84 3.78 -37.68	94.27 3.67 -34.04
STONY___BROOK 24151	125.80 7.32 -59.48	112.75 6.85 -47.80	104.97 6.49 -42.04	100.59 6.43 -37.78	107.32 6.60 -44.28	112.73 6.68 -48.93	109.90 6.60 -43.80	119.13 6.25 -57.04	122.37 6.60 -57.89	112.88 6.94 -47.06	113.17 7.03 -49.00	108.86 6.78 -45.58	105.16 6.83 -41.83	104.19 6.76 -41.04	112.50 6.76 -49.35	116.12 7.05 -52.69	146.65 7.53 -80.30	157.04 8.16 -86.06	158.34 8.11 -88.34	153.03 7.65 -86.06	150.20 7.55 -84.13	125.57 7.18 -61.90	114.99 6.99 -51.61	110.11 6.84 -46.71
STURGEON_POOL_HYD 23609	103.32 4.43 -39.88	96.36 4.01 -34.25	91.36 3.78 -31.13	88.35 3.61 -28.36	90.88 3.67 -30.77	96.16 3.71 -35.33	101.01 3.87 -37.65	109.88 3.85 -50.19	107.70 4.28 -45.53	98.56 4.48 -35.21	98.48 4.17 -37.17	90.85 4.12 -30.23	88.62 4.01 -28.11	85.72 3.95 -25.39	86.53 3.83 -26.31	90.25 4.00 -29.86	101.51 4.65 -38.04	127.02 5.15 -59.05	128.14 5.14 -61.10	110.88 4.98 -46.59	99.49 4.86 -36.12	99.10 4.52 -38.08	91.24 4.34 -30.52	88.25 4.13 -27.56
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	99.66 4.25 -36.41	93.19 3.83 -31.25	88.52 3.67 -28.41	85.81 3.55 -25.88	88.25 3.73 -28.08	93.12 3.77 -32.23	97.71 3.87 -34.35	105.37 3.74 -45.79	103.48 4.05 -41.55	95.53 4.24 -32.40	95.05 4.00 -33.91	88.04 3.95 -27.58	86.10 3.95 -25.64	83.44 3.89 -23.16	84.22 3.83 -24.01	87.52 3.89 -27.25	98.05 4.29 -34.93	121.75 4.71 -54.22	123.74 4.70 -57.14	106.74 4.51 -42.92	96.30 4.45 -33.34	95.67 4.18 -34.99	88.56 4.06 -28.12	85.67 3.96 -25.15
SWANROAD_115KV_TB1 355699	59.95 -4.84 -5.78	57.61 -5.46 -4.97	55.71 -5.25 -4.51	55.03 -5.47 -4.11	55.77 -5.14 -4.46	57.22 -5.03 -5.12	59.42 -5.53 -5.46	56.53 -6.59 -7.28	57.07 -7.41 -6.60	56.98 -7.01 -5.11	55.39 -7.14 -5.39	53.93 -6.95 -4.38	53.57 -7.01 -4.08	52.85 -7.22 -3.68	52.87 -7.33 -3.82	53.44 -7.27 -4.33	57.05 -7.29 -5.52	64.03 -7.35 -8.56	63.64 -7.12 -8.86	59.07 -7.00 -6.76	56.50 -7.26 -5.24	54.90 -7.12 -5.52	53.87 -6.94 -4.42	55.24 -5.32 -4.00
SYNERGY___BIOGAS 323694	62.37 -2.01 -5.37	60.04 -2.67 -4.61	58.04 -2.60 -4.19	57.38 -2.82 -3.82	57.88 -2.71 -4.14	59.53 -2.34 -4.75	62.00 -2.56 -5.06	59.02 -3.57 -6.75	59.78 -4.22 -6.13	59.91 -3.71 -4.74	58.09 -4.06 -5.00	56.67 -3.90 -4.07	56.32 -3.96 -3.78	55.57 -4.23 -3.41	55.75 -4.17 -3.54	56.06 -4.34 -4.02	59.82 -4.12 -5.12	66.99 -3.77 -7.94	66.59 -3.53 -8.22	61.96 -3.62 -6.27	59.39 -3.98 -4.86	57.55 -4.07 -5.12	56.43 -4.06 -4.10	57.50 -2.77 -3.71
SYRACUSE___ENERGY_ST1 323597	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.23 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.23 -2.53	58.73 -0.28 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.14 -0.28 -3.04	59.20 -0.11 -2.75
SYRACUSE___ENERGY_ST2 323598	63.04 0.06 -3.98	61.34 -0.17 -3.42	59.38 -0.17 -3.10	58.99 -0.23 -2.83	59.34 -0.17 -3.07	60.53 -0.11 -3.52	63.31 0.06 -3.75	60.68 -0.17 -5.00	62.25 -0.17 -4.54	62.33 -0.06 -3.51	60.68 -0.17 -3.71	59.40 -0.11 -3.01	59.13 -0.17 -2.80	58.69 -0.23 -2.53	58.73 -0.28 -2.62	59.19 -0.17 -2.98	62.62 0.00 -3.79	68.89 0.19 -5.89	68.17 0.19 -6.09	64.08 0.12 -4.65	62.12 0.00 -3.60	60.18 -0.11 -3.80	59.14 -0.28 -3.04	59.20 -0.11 -2.75

SYRACUSE___POWER 24017	63.11 -0.06 -4.17	61.45 -0.23 -3.58	59.41 -0.28 -3.25	59.01 -0.34 -2.96	59.38 -0.28 -3.21	60.64 -0.17 -3.69	63.37 -0.06 -3.93	60.86 -0.22 -5.24	62.35 -0.29 -4.76	62.44 -0.12 -3.68	60.80 -0.23 -3.88	59.43 -0.23 -3.16	59.21 -0.23 -2.94	58.70 -0.34 -2.65	58.74 -0.39 -2.75	59.22 -0.28 -3.12	62.74 -0.06 -3.97	69.11 0.13 -6.17	68.40 0.12 -6.38	64.24 0.06 -4.87	62.23 -0.06 -3.77	60.25 -0.23 -3.98	59.18 -0.39 -3.19	59.27 -0.17 -2.88
TALLMAN___138KV_BK151 55660	101.11 4.72 -37.39	94.42 4.24 -32.07	89.63 4.06 -29.13	86.86 3.95 -26.53	89.35 4.12 -28.79	94.37 4.17 -33.08	99.00 4.28 -35.22	107.04 4.13 -47.07	105.47 4.46 -43.13	97.74 4.71 -34.15	97.25 4.46 -35.65	90.37 4.46 -29.41	88.01 4.41 -27.10	85.45 4.40 -24.67	86.18 4.29 -25.51	89.60 4.34 -28.87	100.14 4.76 -36.55	124.74 5.21 -56.71	127.14 5.20 -60.05	109.51 4.98 -45.21	98.86 4.92 -35.42	97.80 4.63 -36.66	90.62 4.51 -29.72	86.76 4.41 -25.79
TEALLAVE_115KV_TB7 355573	62.07 -0.41 -3.48	60.45 -0.64 -2.99	58.54 -0.62 -2.71	58.18 -0.68 -2.47	58.51 -0.62 -2.68	59.63 -0.57 -3.08	62.30 -0.48 -3.28	59.60 -0.61 -4.38	61.15 -0.69 -3.97	61.42 -0.53 -3.07	59.75 -0.63 -3.24	58.51 -0.62 -2.64	58.33 -0.62 -2.45	57.92 -0.68 -2.21	57.94 -0.73 -2.29	58.31 -0.68 -2.60	61.61 -0.53 -3.32	67.59 -0.38 -5.15	66.85 -0.37 -5.33	62.96 -0.42 -4.06	61.14 -0.53 -3.15	59.20 -0.62 -3.32	58.31 -0.73 -2.66	58.40 -0.57 -2.40
TELGRAPH_34_KV_EAST 80808	61.29 -3.25 -5.53	58.90 -3.95 -4.74	57.03 -3.73 -4.31	56.31 -4.00 -3.93	56.93 -3.78 -4.26	58.47 -3.54 -4.89	60.84 -3.87 -5.21	57.88 -4.91 -6.95	58.57 -5.61 -6.31	58.58 -5.18 -4.88	56.86 -5.43 -5.15	55.49 -5.20 -4.19	55.08 -5.31 -3.89	54.43 -5.47 -3.52	54.39 -5.64 -3.64	54.94 -5.58 -4.14	58.62 -5.47 -5.27	65.66 -5.34 -8.18	65.28 -5.08 -8.47	60.67 -5.10 -6.45	58.08 -5.44 -5.00	56.35 -5.42 -5.28	55.25 -5.36 -4.22	56.48 -3.90 -3.82
TEMPLE___115KV_TB 2 55572	62.12 -0.41 -3.53	60.55 -0.58 -3.03	58.63 -0.56 -2.75	58.27 -0.62 -2.51	58.60 -0.56 -2.72	59.73 -0.51 -3.12	62.41 -0.42 -3.33	59.72 -0.56 -4.44	61.27 -0.64 -4.03	61.52 -0.47 -3.11	59.86 -0.57 -3.29	58.61 -0.56 -2.67	58.42 -0.56 -2.48	58.01 -0.62 -2.24	58.03 -0.68 -2.33	58.40 -0.62 -2.64	61.72 -0.47 -3.36	67.72 -0.31 -5.22	66.99 -0.31 -5.40	63.08 -0.36 -4.12	61.24 -0.47 -3.19	59.30 -0.56 -3.37	58.35 -0.73 -2.70	58.49 -0.51 -2.44
TIANA___69_KV_BK 1 55817	126.10 7.61 -59.48	113.22 7.32 -47.80	105.43 6.94 -42.04	101.10 6.94 -37.78	107.78 7.06 -44.28	113.19 7.14 -48.93	109.84 6.54 -43.80	119.13 6.25 -57.04	122.31 6.54 -57.89	113.00 7.07 -47.06	113.74 7.60 -49.00	109.25 7.18 -45.58	105.56 7.23 -41.83	104.64 7.22 -41.04	112.84 7.10 -49.35	116.63 7.56 -52.69	146.77 7.65 -80.30	157.73 8.86 -86.06	158.71 8.48 -88.34	153.32 7.95 -86.06	150.31 7.67 -84.13	125.68 7.29 -61.90	115.16 7.16 -51.61	110.51 7.24 -46.71
TILDEN___115KV_TB1 80814	63.11 -0.06 -4.17	61.45 -0.23 -3.58	59.41 -0.28 -3.25	59.01 -0.34 -2.96	59.38 -0.28 -3.21	60.64 -0.17 -3.69	63.37 -0.06 -3.93	60.86 -0.22 -5.24	62.35 -0.29 -4.76	62.44 -0.12 -3.68	60.80 -0.23 -3.88	59.43 -0.23 -3.16	59.21 -0.23 -2.94	58.70 -0.34 -2.65	58.74 -0.39 -2.75	59.22 -0.28 -3.12	62.74 -0.06 -3.97	69.11 0.13 -6.17	68.40 0.12 -6.38	64.24 0.06 -4.87	62.23 -0.06 -3.77	60.25 -0.23 -3.98	59.18 -0.39 -3.19	59.27 -0.17 -2.88
TRIGEN___CC 323695	124.62 6.14 -59.48	111.65 5.75 -47.80	103.96 5.48 -42.04	99.52 5.36 -37.78	106.25 5.53 -44.28	111.71 5.65 -48.93	109.12 5.83 -43.80	118.40 5.53 -57.04	121.67 5.90 -57.89	112.12 6.18 -47.06	112.03 5.89 -49.00	107.96 5.88 -45.58	104.15 5.82 -41.83	103.17 5.75 -41.04	111.43 5.69 -49.35	114.82 5.75 -52.69	145.30 6.18 -80.30	155.66 6.78 -86.06	156.98 6.75 -88.34	151.84 6.47 -86.06	148.97 6.32 -84.13	124.38 5.99 -61.90	113.86 5.86 -51.61	109.04 5.77 -46.71
TRINITY___115KV___ 4 BK 55933	109.45 2.48 -47.96	101.96 2.67 -41.19	96.54 2.65 -37.44	93.14 2.65 -34.11	96.10 2.65 -37.00	102.34 2.74 -42.48	107.62 2.86 -45.27	118.37 2.18 -60.35	115.01 2.37 -54.76	103.75 2.53 -42.34	104.29 2.46 -44.69	95.34 2.49 -36.35	92.78 2.49 -33.80	89.39 2.48 -30.53	90.50 2.48 -31.64	94.61 2.31 -35.91	106.69 2.12 -45.75	136.03 2.20 -71.01	137.54 2.17 -73.48	117.35 2.02 -56.02	103.94 1.99 -43.43	104.27 1.98 -45.80	95.22 2.14 -36.70	92.03 2.32 -33.15
UNION___PROCESSING_DRP 323587	62.47 -1.24 -4.71	60.40 -1.74 -4.04	58.42 -1.69 -3.67	57.93 -1.80 -3.35	58.32 -1.75 -3.63	59.74 -1.54 -4.17	62.39 -1.55 -4.44	59.47 -2.29 -5.92	60.59 -2.66 -5.37	60.68 -2.36 -4.15	58.96 -2.57 -4.38	57.64 -2.43 -3.57	57.33 -2.49 -3.32	56.73 -2.65 -2.99	56.72 -2.76 -3.10	57.14 -2.76 -3.52	60.78 -2.53 -4.49	67.46 -2.32 -6.97	67.00 -2.10 -7.21	62.62 -2.19 -5.50	60.32 -2.46 -4.26	58.45 -2.54 -4.49	57.39 -2.59 -3.60	58.06 -1.75 -3.25
UPPER HUDSON___HYD 24058	112.86 4.37 -49.49	104.60 4.01 -42.50	98.96 3.89 -38.63	95.46 3.89 -35.19	98.63 4.01 -38.18	105.18 4.23 -43.83	110.73 4.52 -46.71	122.24 4.13 -62.27	118.89 4.52 -56.50	107.04 4.47 -43.69	107.37 4.12 -46.12	97.90 3.90 -37.51	95.27 3.90 -34.87	91.60 3.72 -31.50	92.86 3.84 -32.64	97.61 4.17 -37.05	110.79 4.76 -47.20	141.42 5.34 -73.27	143.03 5.32 -75.82	121.98 4.86 -57.80	108.07 4.74 -44.81	108.16 4.41 -47.25	98.42 4.17 -37.86	94.72 3.96 -34.20
UPPER RAQUET___HYD 24056	56.29 -2.71 0.00	56.24 -1.86 0.00	54.75 -1.69 0.00	54.69 -1.69 0.00	54.69 -1.75 0.00	54.72 -2.40 0.00	56.46 -3.03 0.00	53.83 -2.01 0.00	55.80 -2.08 0.00	56.06 -2.83 0.00	54.97 -2.17 0.00	54.30 -2.20 0.00	54.24 -2.26 0.00	54.18 -2.20 0.00	54.18 -2.20 0.00	54.30 -2.09 0.00	56.12 -2.70 0.00	59.05 -3.77 0.00	58.18 -3.71 0.00	56.11 -3.20 0.00	56.00 -2.51 0.00	54.24 -2.26 0.00	54.58 -1.81 0.00	54.58 -1.98 0.00
VALLEY44_115KV_TB2 355964	62.11 -3.84 -6.94	59.47 -4.59 -5.96	57.57 -4.29 -5.42	56.69 -4.62 -4.93	57.73 -4.06 -5.35	59.27 -4.00 -6.15	61.88 -4.16 -6.55	59.77 -4.80 -8.73	60.30 -5.50 -7.92	59.88 -5.12 -6.12	58.41 -5.20 -6.47	56.73 -5.03 -5.26	56.25 -5.14 -4.89	55.44 -5.36 -4.42	55.49 -5.47 -4.58	56.22 -5.36 -5.19	60.32 -5.12 -6.62	68.06 -5.03 -10.27	67.63 -4.89 -10.63	62.44 -4.98 -8.10	59.71 -5.09 -6.28	58.04 -5.08 -6.62	56.50 -5.19 -5.31	57.40 -3.96 -4.80
VALLEY___115KV_TB 1-4 80826	60.72 1.71 0.00	59.73 1.63 0.00	57.97 1.52 0.00	57.91 1.52 0.00	58.08 1.64 0.00	58.78 1.66 0.00	61.34 1.84 0.00	57.52 1.68 0.00	59.73 1.85 0.00	60.82 1.94 0.00	58.97 1.83 0.00	58.19 1.69 0.00	58.14 1.64 0.00	57.96 1.58 0.00	57.96 1.58 0.00	57.91 1.52 0.00	60.59 1.76 0.00	64.76 1.95 0.00	63.81 1.92 0.00	61.15 1.84 0.00	60.27 1.76 0.00	58.36 1.86 0.00	58.24 1.86 0.00	58.54 1.98 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	81.31 5.25 -17.05	77.56 4.82 -14.64	74.38 4.63 -13.31	73.07 4.57 -12.12	74.34 4.74 -13.15	77.02 4.80 -15.10	80.76 5.18 -16.09	82.15 4.86 -21.45	82.49 5.15 -19.46	79.23 5.30 -15.05	77.94 4.91 -15.89	74.05 4.63 -12.92	73.03 4.52 -12.01	71.58 4.34 -10.85	71.97 4.34 -11.25	73.66 4.51 -12.77	80.20 5.12 -16.26	93.59 5.53 -25.24	93.58 5.57 -26.12	84.51 5.28 -19.91	78.99 5.03 -15.44	77.52 4.75 -16.28	73.94 4.51 -13.04	73.04 4.69 -11.78

VISCHER___FERRY HYD 24020	110.57 3.01 -48.55	102.70 2.90 -41.70	97.22 2.88 -37.90	93.78 2.87 -34.53	96.78 2.88 -37.46	103.04 2.91 -43.01	108.42 3.09 -45.83	119.73 2.79 -61.09	116.38 3.07 -55.43	104.80 3.06 -42.86	105.36 2.97 -45.25	96.24 2.94 -36.80	93.65 2.94 -34.22	90.22 2.93 -30.90	91.34 2.93 -32.03	95.72 2.99 -36.35	108.31 3.17 -46.31	138.09 3.39 -71.89	139.62 3.34 -74.39	119.23 3.20 -56.71	105.59 3.10 -43.97	105.80 2.94 -46.36	96.46 2.93 -37.15	93.00 2.88 -33.56
V_A_10_SYNC_DSASP 323832	61.27 -2.95 -5.21	59.09 -3.48 -4.47	57.18 -3.33 -4.06	56.54 -3.55 -3.70	57.13 -3.33 -4.02	58.65 -3.09 -4.61	61.02 -3.39 -4.92	58.09 -4.30 -6.55	58.85 -4.98 -5.94	58.95 -4.53 -4.60	57.25 -4.74 -4.85	55.87 -4.57 -3.95	55.59 -4.57 -3.67	54.85 -4.85 -3.31	55.03 -4.79 -3.43	55.38 -4.91 -3.90	58.97 -4.82 -4.97	65.75 -4.78 -7.71	65.29 -4.58 -7.98	60.83 -4.57 -6.08	58.44 -4.80 -4.72	56.73 -4.75 -4.97	55.69 -4.68 -3.98	56.77 -3.39 -3.60
V_CMM_10_SYNC_DSASP 323787	57.36 -1.65 0.00	56.88 -1.22 0.00	55.32 -1.13 0.00	55.26 -1.13 0.00	55.26 -1.19 0.00	55.81 -1.31 0.00	57.83 -1.67 0.00	54.67 -1.18 0.00	56.66 -1.22 0.00	57.29 -1.59 0.00	55.83 -1.31 0.00	55.20 -1.30 0.00	55.26 -1.24 0.00	55.20 -1.19 0.00	55.20 -1.19 0.00	55.20 -1.19 0.00	57.29 -1.53 0.00	60.75 -2.07 0.00	59.85 -2.04 0.00	57.48 -1.84 0.00	57.00 -1.52 0.00	55.14 -1.36 0.00	55.20 -1.19 0.00	55.20 -1.36 0.00
V_CMP_10_SYNC_DSASP 323788	58.83 -0.18 0.00	58.33 0.23 0.00	56.56 0.11 0.00	56.27 -0.11 0.00	56.22 -0.22 0.00	56.72 -0.40 0.00	58.07 -1.43 0.00	54.89 -0.95 0.00	56.95 -0.93 0.00	57.64 -1.24 0.00	56.12 -1.03 0.00	55.54 -0.96 0.00	55.48 -1.02 0.00	55.09 -1.29 0.00	55.20 -1.19 0.00	55.54 -0.84 0.00	58.00 -0.82 0.00	61.56 -1.26 0.00	60.41 -1.49 0.00	57.83 -1.48 0.00	57.40 -1.11 0.00	55.42 -1.08 0.00	55.37 -1.01 0.00	55.99 -0.57 0.00
V_D_10_SYNC_DSASP 323841	57.29 -1.71 0.00	57.11 -0.99 0.00	55.60 -0.85 0.00	55.54 -0.84 0.00	55.54 -0.91 0.00	55.98 -1.14 0.00	57.83 -1.67 0.00	54.94 -0.90 0.00	56.89 -0.98 0.00	57.29 -1.59 0.00	56.05 -1.09 0.00	55.42 -1.08 0.00	55.37 -1.13 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	55.37 -1.01 0.00	57.24 -1.59 0.00	60.37 -2.45 0.00	59.48 -2.41 0.00	57.36 -1.96 0.00	57.17 -1.34 0.00	55.37 -1.13 0.00	55.42 -0.96 0.00	55.43 -1.13 0.00
V_E_10_SYNC_DSASP 323830	78.33 7.14 -12.18	75.18 6.62 -10.46	72.39 6.43 -9.51	71.14 6.09 -8.66	72.00 6.15 -9.40	74.31 6.40 -10.79	78.13 7.14 -11.50	77.87 6.70 -15.33	78.50 6.71 -13.91	76.29 6.65 -10.75	74.26 5.77 -11.35	71.10 5.37 -9.23	70.28 5.19 -8.58	68.99 4.85 -7.75	69.38 4.96 -8.04	70.97 5.47 -9.12	77.26 6.82 -11.62	88.58 7.72 -18.04	88.42 7.86 -18.66	80.84 7.29 -14.23	76.33 6.78 -11.03	74.40 6.27 -11.63	71.57 5.86 -9.32	71.48 6.50 -8.42
V_F_30_NSYNC___DSASP 323816	112.43 4.07 -49.36	104.32 3.83 -42.39	98.70 3.72 -38.53	95.20 3.72 -35.10	98.31 3.78 -38.08	104.78 3.94 -43.72	110.25 4.16 -46.59	121.69 3.74 -62.11	118.28 4.05 -56.35	106.51 4.06 -43.57	106.97 3.83 -45.99	97.58 3.67 -37.41	94.95 3.67 -34.78	91.35 3.55 -31.42	92.55 3.61 -32.56	97.23 3.89 -36.96	110.19 4.29 -47.08	140.61 4.71 -73.08	142.21 4.70 -75.62	121.29 4.33 -57.65	107.43 4.22 -44.70	107.64 4.01 -47.13	98.03 3.89 -37.76	94.46 3.79 -34.11
V_F_30_SYNC_DSASP 323786	110.04 2.71 -48.32	102.50 2.91 -41.50	97.04 2.88 -37.72	93.56 2.82 -34.36	96.60 2.88 -37.28	102.89 2.97 -42.80	108.20 3.09 -45.61	119.04 2.40 -60.80	115.65 2.60 -55.17	104.31 2.77 -42.66	104.86 2.69 -45.03	95.84 2.71 -36.63	93.21 2.66 -34.05	89.85 2.71 -30.76	90.91 2.65 -31.87	95.05 2.48 -36.18	107.27 2.35 -46.09	136.81 2.45 -71.54	138.34 2.41 -74.03	118.01 2.25 -56.44	104.56 2.28 -43.76	104.84 2.20 -46.14	95.72 2.37 -36.97	92.45 2.49 -33.40
V_XM_10_SYNC_DSASP 323789	58.83 -0.18 0.00	58.33 0.23 0.00	56.56 0.11 0.00	56.27 -0.11 0.00	56.22 -0.22 0.00	56.72 -0.40 0.00	58.07 -1.43 0.00	54.89 -0.95 0.00	56.95 -0.93 0.00	57.64 -1.24 0.00	56.12 -1.03 0.00	55.54 -0.96 0.00	55.48 -1.02 0.00	55.09 -1.29 0.00	55.20 -1.19 0.00	55.54 -0.84 0.00	58.00 -0.82 0.00	61.56 -1.26 0.00	60.41 -1.49 0.00	57.83 -1.48 0.00	57.40 -1.11 0.00	55.42 -1.08 0.00	55.37 -1.01 0.00	55.99 -0.57 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	101.50 4.90 -37.59	94.77 4.42 -32.25	89.96 4.23 -29.28	87.12 4.06 -26.68	89.62 4.23 -28.94	94.67 4.28 -33.26	99.37 4.46 -35.41	107.47 4.30 -47.33	105.90 4.63 -43.39	98.17 4.89 -34.41	97.67 4.63 -35.90	90.71 4.58 -29.64	88.37 4.58 -27.30	85.75 4.51 -24.86	86.54 4.45 -25.71	89.92 4.45 -29.08	100.57 4.94 -36.81	125.32 5.40 -57.11	127.83 5.38 -60.55	110.03 5.16 -45.55	99.32 5.09 -35.71	98.23 4.80 -36.92	91.02 4.68 -29.95	87.01 4.52 -25.93
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	105.00 5.61 -40.39	97.65 5.23 -34.32	91.74 4.97 -30.33	88.86 4.85 -27.63	91.40 4.97 -29.99	97.69 5.14 -35.43	101.51 5.30 -36.72	113.31 5.08 -52.39	123.60 5.38 -60.34	124.36 5.65 -59.83	125.33 5.43 -62.76	125.28 5.37 -63.41	113.53 5.37 -51.66	114.06 5.30 -52.37	114.37 5.24 -52.75	118.79 5.24 -57.17	121.87 5.71 -57.34	157.39 6.22 -88.36	160.48 6.19 -92.40	143.44 5.93 -78.20	133.85 5.79 -69.54	120.96 5.54 -58.93	116.20 5.36 -54.46	88.72 5.26 -26.90
W50THST__13_KV_LOAD 356117	105.35 5.96 -40.39	98.00 5.58 -34.32	92.02 5.25 -30.33	89.14 5.13 -27.63	91.74 5.31 -29.99	97.97 5.43 -35.43	101.87 5.65 -36.72	113.64 5.42 -52.39	123.95 5.73 -60.34	124.71 6.01 -59.83	125.62 5.71 -62.76	125.62 5.71 -63.41	113.87 5.71 -51.66	114.40 5.64 -52.37	114.71 5.58 -52.75	119.13 5.58 -57.17	122.22 6.06 -57.34	157.83 6.66 -88.36	160.86 6.56 -92.40	143.80 6.29 -78.20	134.20 6.14 -69.54	121.25 5.82 -58.93	116.53 5.69 -54.46	89.06 5.60 -26.90
WADING RIVER_IC_1 23522	125.27 6.78 -59.48	112.52 6.62 -47.80	104.75 6.26 -42.04	100.42 6.26 -37.78	107.04 6.32 -44.28	112.39 6.34 -48.93	108.88 5.59 -43.80	118.24 5.36 -57.04	121.38 5.61 -57.89	112.30 6.36 -47.06	113.17 7.03 -49.00	108.69 6.61 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.27 6.54 -49.35	116.06 6.99 -52.69	146.00 6.88 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.37 7.00 -86.06	149.43 6.78 -84.13	124.83 6.44 -61.90	114.59 6.59 -51.61	109.72 6.45 -46.71
WADING RIVER_IC_2 23547	125.27 6.78 -59.48	112.52 6.62 -47.80	104.75 6.26 -42.04	100.42 6.26 -37.78	107.04 6.32 -44.28	112.39 6.34 -48.93	108.88 5.59 -43.80	118.24 5.36 -57.04	121.38 5.61 -57.89	112.30 6.36 -47.06	113.17 7.03 -49.00	108.69 6.61 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.27 6.54 -49.35	116.06 6.99 -52.69	146.00 6.88 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.37 7.00 -86.06	149.43 6.78 -84.13	124.83 6.44 -61.90	114.59 6.59 -51.61	109.72 6.45 -46.71
WADING RIVER_IC_3 23601	125.27 6.78 -59.48	112.52 6.62 -47.80	104.75 6.26 -42.04	100.42 6.26 -37.78	107.04 6.32 -44.28	112.39 6.34 -48.93	108.88 5.59 -43.80	118.24 5.36 -57.04	121.38 5.61 -57.89	112.30 6.36 -47.06	113.17 7.03 -49.00	108.69 6.61 -45.58	105.05 6.72 -41.83	104.13 6.71 -41.04	112.27 6.54 -49.35	116.06 6.99 -52.69	146.00 6.88 -80.30	156.92 8.04 -86.06	158.22 7.99 -88.34	152.37 7.00 -86.06	149.43 6.78 -84.13	124.83 6.44 -61.90	114.59 6.59 -51.61	109.72 6.45 -46.71



WALDENNY_12_KV_BK2 80841	61.87 -3.36 -6.22	59.38 -4.07 -5.34	57.46 -3.84 -4.86	56.69 -4.12 -4.42	57.52 -3.73 -4.80	59.03 -3.60 -5.51	61.50 -3.87 -5.87	58.81 -4.86 -7.83	59.37 -5.61 -7.10	59.19 -5.18 -5.49	57.63 -5.31 -5.80	56.07 -5.14 -4.72	55.69 -5.20 -4.38	54.93 -5.41 -3.96	54.91 -5.58 -4.10	55.63 -5.41 -4.66	59.41 -5.35 -5.93	66.82 -5.21 -9.21	66.41 -5.01 -9.53	61.48 -5.10 -7.27	58.83 -5.33 -5.63	57.13 -5.31 -5.94	55.90 -5.24 -4.76	57.13 -3.73 -4.30
WALDEN___HYDRO 24148	101.45 4.72 -37.72	94.85 4.36 -32.39	90.06 4.18 -29.44	87.21 4.00 -26.82	89.67 4.12 -29.10	94.70 4.17 -33.41	99.44 4.34 -35.60	107.49 4.19 -47.46	105.46 4.51 -43.06	96.98 4.71 -33.39	96.69 4.40 -35.15	89.44 4.35 -28.59	87.32 4.24 -26.58	84.56 4.17 -24.01	85.38 4.12 -24.88	88.91 4.29 -28.24	99.70 4.82 -36.05	124.17 5.40 -55.95	125.51 5.38 -58.23	108.66 5.16 -44.19	97.83 5.03 -34.28	97.34 4.75 -36.09	89.90 4.57 -28.95	87.04 4.41 -26.07
WARRENSBURG___ 23737	112.86 4.37 -49.49	104.60 4.01 -42.50	98.96 3.89 -38.63	95.46 3.89 -35.19	98.63 4.01 -38.18	105.18 4.23 -43.83	110.73 4.52 -46.71	122.24 4.13 -62.27	118.89 4.52 -56.50	107.04 4.47 -43.69	107.37 4.12 -46.12	97.90 3.90 -37.51	95.27 3.90 -34.87	91.60 3.72 -31.50	92.86 3.84 -32.64	97.61 4.17 -37.05	110.79 4.76 -47.20	141.42 5.34 -73.27	143.03 5.32 -75.82	121.98 4.86 -57.80	108.07 4.74 -44.81	108.16 4.41 -47.25	98.42 4.17 -37.86	94.72 3.96 -34.20
WATERSIDE___6 8 9 23538	106.15 5.84 -41.30	98.42 5.40 -34.92	91.98 5.19 -30.34	89.10 5.07 -27.64	91.71 5.25 -30.01	98.49 5.31 -36.05	101.73 5.47 -36.76	115.56 5.19 -54.53	133.49 5.56 -70.05	139.53 5.77 -74.88	141.51 5.49 -78.88	145.94 5.42 -84.02	128.38 5.48 -66.40	130.95 5.41 -69.15	130.94 5.36 -69.20	135.95 5.36 -74.21	134.00 5.88 -69.29	175.76 6.41 -106.54	178.43 6.38 -110.16	162.88 6.11 -97.46	154.27 5.97 -89.78	133.95 5.65 -71.80	130.94 5.53 -69.03	88.98 5.49 -26.94
WATKINRD_115KV_LN8_ILLION 55919	60.72 1.71 0.00	59.67 1.57 0.00	57.97 1.52 0.00	57.91 1.52 0.00	58.02 1.58 0.00	58.72 1.60 0.00	61.28 1.78 0.00	57.40 1.56 0.00	59.56 1.68 0.00	60.71 1.83 0.00	58.86 1.71 0.00	58.08 1.58 0.00	58.08 1.58 0.00	57.91 1.52 0.00	57.91 1.52 0.00	57.91 1.52 0.00	60.53 1.71 0.00	64.70 1.88 0.00	63.75 1.86 0.00	61.03 1.72 0.00	60.16 1.64 0.00	58.19 1.69 0.00	58.02 1.64 0.00	58.26 1.70 0.00
WATSON___69_KV_BK 1 55734	126.34 7.85 -59.48	113.28 7.38 -47.80	105.48 7.00 -42.04	101.04 6.88 -37.78	107.78 7.06 -44.28	113.25 7.20 -48.93	110.49 7.20 -43.80	119.69 6.81 -57.04	122.95 7.18 -57.89	113.42 7.48 -47.06	113.57 7.43 -49.00	109.25 7.18 -45.58	105.56 7.23 -41.83	104.58 7.16 -41.04	112.89 7.16 -49.35	116.57 7.50 -52.69	147.12 8.00 -80.30	157.80 8.92 -86.06	159.02 8.79 -88.34	153.74 8.36 -86.06	150.78 8.13 -84.13	126.02 7.63 -61.90	115.38 7.39 -51.61	110.62 7.35 -46.71
WDELAWARE___HYD 323627	98.53 4.48 -35.04	92.25 4.07 -30.09	87.63 3.84 -27.35	84.96 3.66 -24.91	87.20 3.72 -27.03	91.92 3.77 -31.03	96.62 4.05 -33.07	103.78 3.85 -44.09	102.10 4.22 -40.00	94.23 4.42 -30.93	93.79 4.00 -32.65	86.90 3.84 -26.56	83.39 2.20 -24.69	80.77 2.09 -22.30	81.58 2.09 -23.11	84.87 2.26 -26.23	95.18 2.94 -33.42	118.14 3.45 -51.87	119.04 3.46 -53.68	103.56 3.32 -40.93	95.05 4.80 -31.73	94.42 4.46 -33.45	87.42 4.23 -26.81	84.85 4.07 -24.21
WEST BABYLON___IC 23714	125.98 7.49 -59.48	112.93 7.03 -47.80	105.14 6.66 -42.04	100.70 6.54 -37.78	107.44 6.72 -44.28	112.91 6.85 -48.93	110.31 7.02 -43.80	119.52 6.65 -57.04	122.77 7.00 -57.89	113.24 7.30 -47.06	113.23 7.09 -49.00	109.03 6.95 -45.58	105.28 6.95 -41.83	104.30 6.88 -41.04	112.61 6.88 -49.35	116.17 7.10 -52.69	146.77 7.65 -80.30	157.36 8.48 -86.06	158.65 8.42 -88.34	153.38 8.01 -86.06	150.43 7.78 -84.13	125.74 7.34 -61.90	115.10 7.10 -51.61	110.34 7.07 -46.71
WEST CANADA___HYD 24049	60.01 1.00 0.00	58.97 0.87 0.00	57.29 0.85 0.00	57.23 0.85 0.00	57.34 0.90 0.00	58.03 0.91 0.00	60.51 1.01 0.00	56.68 0.84 0.00	58.80 0.92 0.00	59.88 1.00 0.00	58.05 0.91 0.00	57.35 0.85 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	57.23 0.85 0.00	59.76 0.94 0.00	63.88 1.07 0.00	62.95 1.05 0.00	60.26 0.95 0.00	59.40 0.88 0.00	57.35 0.85 0.00	57.23 0.85 0.00	57.46 0.90 0.00
WESTERN_NY_WIND 24143	62.31 -2.12 -5.43	59.92 -2.85 -4.66	57.97 -2.71 -4.24	57.31 -2.93 -3.86	57.81 -2.82 -4.19	59.41 -2.51 -4.81	61.94 -2.68 -5.12	58.93 -3.74 -6.83	59.68 -4.40 -6.20	59.73 -3.95 -4.79	57.97 -4.23 -5.06	56.55 -4.07 -4.11	56.14 -4.18 -3.82	55.44 -4.40 -3.45	55.45 -4.51 -3.58	55.94 -4.51 -4.06	59.77 -4.24 -5.18	66.90 -3.96 -8.04	66.50 -3.71 -8.32	61.86 -3.80 -6.34	59.28 -4.15 -4.92	57.44 -4.24 -5.18	56.30 -4.23 -4.15	57.37 -2.94 -3.75
WESTOVER___LESR 323668	72.42 0.83 -12.59	69.38 0.46 -10.81	66.78 0.51 -9.83	65.67 0.34 -8.95	66.72 0.56 -9.71	68.90 0.63 -11.15	72.15 0.77 -11.88	72.13 0.45 -15.84	72.60 0.35 -14.37	70.47 0.47 -11.11	69.16 0.29 -11.73	66.38 0.34 -9.54	65.65 0.28 -8.87	64.56 0.17 -8.01	64.80 0.11 -8.30	66.09 0.28 -9.43	71.42 0.59 -12.01	82.33 0.88 -18.64	82.05 0.87 -19.29	74.79 0.77 -14.70	70.56 0.64 -11.40	68.97 0.45 -12.02	66.30 0.28 -9.63	65.94 0.68 -8.70
WETHRSFD_WT_PWR 323626	63.45 -2.71 -7.16	61.00 -3.25 -6.15	58.99 -3.05 -5.59	58.15 -3.33 -5.09	59.03 -2.94 -5.52	60.72 -2.74 -6.34	63.34 -2.91 -6.76	61.11 -3.74 -9.01	61.71 -4.34 -8.18	61.20 -4.01 -6.32	59.59 -4.23 -6.67	57.86 -4.07 -5.43	57.54 -4.01 -5.05	56.65 -4.29 -4.56	56.94 -4.17 -4.72	57.57 -4.17 -5.36	61.71 -3.94 -6.83	69.71 -3.71 -10.60	69.21 -3.65 -10.97	63.94 -3.73 -8.36	61.02 -3.98 -6.49	59.33 -4.01 -6.84	57.80 -4.06 -5.48	58.68 -2.83 -4.95
WHAVSTOR_138KV_BK127 55557	101.30 4.66 -37.63	94.57 4.18 -32.28	89.77 4.01 -29.31	86.98 3.89 -26.70	89.43 4.01 -28.97	94.53 4.11 -33.30	99.17 4.22 -35.45	107.30 4.08 -47.38	105.72 4.40 -43.45	97.99 4.65 -34.46	97.49 4.40 -35.95	90.53 4.35 -29.68	88.18 4.35 -27.33	85.56 4.29 -24.89	86.36 4.23 -25.74	89.79 4.29 -29.13	100.33 4.65 -36.86	125.09 5.09 -57.18	127.61 5.08 -60.64	109.80 4.86 -45.62	99.09 4.80 -35.77	97.99 4.52 -36.98	90.78 4.40 -30.00	86.82 4.30 -25.96
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	101.30 4.66 -37.63	94.57 4.18 -32.28	89.77 4.01 -29.31	86.98 3.89 -26.70	89.43 4.01 -28.97	94.53 4.11 -33.30	99.17 4.22 -35.45	107.30 4.08 -47.38	105.72 4.40 -43.45	97.99 4.65 -34.46	97.49 4.40 -35.95	90.53 4.35 -29.68	88.18 4.35 -27.33	85.56 4.29 -24.89	86.36 4.23 -25.74	89.79 4.29 -29.13	100.33 4.65 -36.86	125.09 5.09 -57.18	127.61 5.08 -60.64	109.80 4.86 -45.62	99.09 4.80 -35.77	97.99 4.52 -36.98	90.78 4.40 -30.00	86.82 4.30 -25.96
WHITEHAL_115KV_TB1 80871	114.05 5.61 -49.43	105.66 5.11 -42.45	100.05 5.02 -38.59	96.61 5.07 -35.15	99.78 5.19 -38.14	106.39 5.48 -43.79	112.05 5.89 -46.66	123.40 5.36 -62.20	120.22 5.90 -56.44	108.29 5.77 -43.64	108.52 5.31 -46.07	99.00 5.03 -37.47	96.31 4.97 -34.83	92.58 4.74 -31.46	93.78 4.79 -32.61	98.75 5.36 -37.01	112.15 6.18 -47.15	142.92 6.91 -73.19	144.56 6.93 -75.73	123.34 6.29 -57.74	109.43 6.14 -44.77	109.41 5.71 -47.20	99.56 5.36 -37.82	95.82 5.09 -34.16

WHITEPLN_13_KV_LOAD 356215	103.52 5.66 -38.85	96.87 5.46 -33.31	91.75 5.08 -30.23	88.83 4.91 -27.54	91.40 5.08 -29.88	96.68 5.20 -34.36	101.41 5.35 -36.56	109.85 5.08 -48.93	108.38 5.38 -45.12	100.84 5.71 -36.24	100.16 5.43 -37.59	93.14 5.37 -31.27	90.53 5.37 -28.66	87.95 5.36 -26.21	88.71 5.24 -27.08	92.21 5.24 -30.59	103.16 5.76 -38.57	129.06 6.41 -59.83	132.49 6.38 -64.22	113.42 6.11 -48.00	102.27 5.91 -37.85	100.83 5.59 -38.74	93.48 5.47 -31.63	88.65 5.32 -26.77
WM_FLOYD_69_KV_BK2 356380	125.74 7.26 -59.48	112.81 6.91 -47.80	105.03 6.55 -42.04	100.70 6.54 -37.78	107.38 6.66 -44.28	112.79 6.74 -48.93	109.60 6.31 -43.80	118.85 5.97 -57.04	122.02 6.25 -57.89	112.71 6.77 -47.06	113.29 7.14 -49.00	108.86 6.78 -45.58	105.17 6.84 -41.83	104.25 6.82 -41.04	112.50 6.77 -49.35	116.29 7.22 -52.69	146.53 7.41 -80.30	157.29 8.42 -86.06	158.28 8.05 -88.34	153.03 7.65 -86.06	150.02 7.37 -84.13	125.40 7.01 -61.90	114.82 6.82 -51.61	110.17 6.90 -46.71
WOODARD__115KV_TB2 355635	61.97 -0.53 -3.50	60.41 -0.70 -3.00	58.44 -0.73 -2.73	58.14 -0.73 -2.49	58.41 -0.73 -2.70	59.59 -0.63 -3.10	62.26 -0.54 -3.30	59.52 -0.73 -4.40	61.12 -0.75 -3.99	61.32 -0.65 -3.09	59.66 -0.74 -3.26	58.47 -0.68 -2.65	58.23 -0.73 -2.46	57.82 -0.79 -2.23	57.84 -0.85 -2.31	58.27 -0.73 -2.62	61.57 -0.59 -3.34	67.49 -0.50 -5.18	66.82 -0.43 -5.36	62.93 -0.47 -4.09	61.10 -0.59 -3.17	59.16 -0.68 -3.34	58.21 -0.85 -2.68	58.36 -0.62 -2.42
YORK___WARBASSE 23770	106.33 6.02 -41.30	98.60 5.58 -34.92	92.31 5.53 -30.34	89.44 5.41 -27.64	92.05 5.59 -30.01	98.60 5.43 -36.05	101.84 5.59 -36.76	115.73 5.36 -54.53	133.66 5.73 -70.05	139.76 6.01 -74.88	141.74 5.71 -78.88	146.17 5.65 -84.02	128.60 5.71 -66.40	131.17 5.64 -69.15	131.17 5.58 -69.20	136.23 5.64 -74.21	134.29 6.18 -69.29	176.20 6.85 -106.54	178.86 6.81 -110.16	163.30 6.52 -97.46	154.62 6.32 -89.78	134.34 6.05 -71.80	131.22 5.81 -69.03	89.15 5.66 -26.94