

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

11/15/2025

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	56.36	58.13	50.21	57.98	55.79	54.94	55.60	56.32	38.21	45.01	46.71	45.60	51.95	52.68	53.77	56.96	116.60	66.82	60.55	60.82	66.58	55.40	56.46	44.21
24138	1.67	1.57	1.63	1.86	1.78	1.87	2.04	2.30	1.73	2.13	2.35	2.18	2.39	2.46	2.18	2.14	4.54	3.08	2.67	2.62	2.99	2.57	2.71	2.26
	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
74TH STREET_GT_1	56.47	58.21	50.28	58.04	55.86	54.99	55.63	56.36	38.24	45.06	46.72	45.61	51.96	52.70	53.81	57.05	116.84	66.96	60.68	60.94	66.70	55.51	56.52	44.26
24260	1.77	1.65	1.71	1.92	1.85	1.91	2.07	2.34	1.77	2.17	2.36	2.19	2.41	2.48	2.22	2.22	4.78	3.22	2.79	2.75	3.11	2.68	2.78	2.30
	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
74TH STREET_GT_2	56.47	58.21	50.28	58.04	55.86	54.99	55.63	56.36	38.24	45.06	46.72	45.61	51.96	52.70	53.81	57.05	116.84	66.96	60.68	60.94	66.70	55.51	56.52	44.26
24261	1.77	1.65	1.71	1.92	1.85	1.91	2.07	2.34	1.77	2.17	2.36	2.19	2.41	2.48	2.22	2.22	4.78	3.22	2.79	2.75	3.11	2.68	2.78	2.30
	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
ADK HUDSON___FALLS	57.23	59.36	51.09	58.99	56.95	55.94	56.81	57.64	38.65	44.62	45.88	45.05	51.79	52.34	54.33	58.40	119.83	68.07	62.09	62.34	67.90	56.37	57.27	44.68
24011	2.54	2.81	2.51	2.87	2.94	2.87	3.25	3.61	2.17	1.73	1.51	1.63	2.24	2.12	2.74	3.57	7.77	4.33	4.21	4.15	4.31	3.54	3.52	2.72
	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
ADK RESOURCE___RCVRY	57.54	59.76	51.44	59.39	57.40	56.36	57.33	58.25	39.02	44.81	46.03	45.20	52.09	52.63	54.81	59.03	121.15	68.72	62.73	62.96	68.40	56.80	57.69	44.96
23798	2.85	3.21	2.86	3.27	3.39	3.29	3.76	4.23	2.54	1.93	1.66	1.78	2.54	2.41	3.22	4.21	9.09	4.98	4.85	4.77	4.81	3.97	3.94	3.00
	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	0.00
ADK S GLENS___FALLS	57.23	59.36	51.09	58.99	56.95	55.94	56.81	57.64	38.65	44.62	45.88	45.05	51.79	52.34	54.33	58.40	119.83	68.07	62.09	62.34	67.90	56.37	57.27	44.68
24028	2.54	2.81	2.51	2.87	2.94	2.87	3.25	3.61	2.17	1.73	1.51	1.63	2.24	2.12	2.74	3.57	7.77	4.33	4.21	4.15	4.31	3.54	3.52	2.72
	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
ADK_NYS___DAM	55.32	57.34	49.42	56.99	55.08	53.94	54.68	55.52	37.40	43.42	44.54	43.17	49.53	50.16	52.12	56.11	115.42	65.64	60.20	60.46	66.05	54.95	55.87	43.74
23527	0.62	0.79	0.84	0.87	1.07	0.87	1.12	1.50	0.93	0.53	0.17	-0.24	-0.03	-0.06	0.53	1.28	3.36	1.90	2.32	2.27	2.46	2.13	2.12	1.78
	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
AIR_PRODUCTS___DRP	53.83	55.72	48.06	55.43	53.46	52.45	53.04	53.70	36.39	42.45	43.80	42.76	48.83	49.41	50.97	54.46	111.58	63.59	57.94	58.25	63.61	52.93	53.77	42.23
24190	-0.87	-0.83	-0.52	-0.70	-0.55	-0.63	-0.52	-0.33	-0.08	-0.44	-0.56	-0.65	-0.73	-0.81	-0.62	-0.37	-0.49	-0.15	0.05	0.06	0.03	0.10	0.03	0.27
	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
AKWESSNE_115KV_BK	56.27	58.15	49.83	57.57	55.38	54.41	54.89	55.27	37.28	43.95	45.53	44.64	50.99	51.63	53.02	56.14	114.21	64.86	58.94	59.31	64.99	53.94	54.87	42.69
355683	1.58	1.59	1.25	1.45	1.38	1.34	1.34	1.24	0.80	1.07	1.16	1.23	1.43	1.41	1.43	1.31	2.15	1.12	1.05	1.12	1.40	1.11	1.12	0.73
	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	55.25	57.21	49.29	56.90	54.84	53.82	54.33	54.90	36.97	43.10	44.45	43.61	49.89	50.46	51.95	55.59	114.17	65.01	59.23	59.56	65.03	54.07	54.93	43.05
323833	0.55	0.66	0.71	0.78	0.83	0.74	0.77	0.88	0.50	0.22	0.08	0.19	0.33	0.24	0.36	0.77	2.11	1.27	1.34	1.36	1.44	1.24	1.19	1.09
	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_2_SOLAR	55.24	57.21	49.28	56.90	54.83	53.81	54.31	54.88	36.97	43.10	44.44	43.60	49.87	50.46	51.94	55.59	114.14	64.99	59.21	59.54	64.99	54.03	54.92	43.04
323834	0.54	0.65	0.70	0.78	0.82	0.73	0.75	0.85	0.49	0.21	0.07	0.18	0.32	0.24	0.35	0.76	2.08	1.25	1.32	1.34	1.40	1.20	1.17	1.08
	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	53.83	55.72	48.06	55.43	53.46	52.45	53.04	53.70	36.39	42.45	43.80	42.76	48.83	49.41	50.97	54.46	111.58	63.59	57.94	58.25	63.61	52.93	53.77	42.23
23571	-0.87	-0.83	-0.52	-0.70	-0.55	-0.63	-0.52	-0.33	-0.08	-0.44	-0.56	-0.65	-0.73	-0.81	-0.62	-0.37	-0.49	-0.15	0.05	0.06	0.03	0.10	0.03	0.27
	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___2 23572	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.70 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.33 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.56 0.00	42.76 -0.65 0.00	48.83 -0.73 0.00	49.41 -0.81 0.00	50.97 -0.62 0.00	54.46 -0.37 0.00	111.58 -0.49 0.00	63.59 -0.15 0.00	57.94 0.05 0.00	58.25 0.06 0.00	63.61 0.03 0.00	52.93 0.10 0.00	53.77 0.03 0.00	42.23 0.27 0.00
ALBANY___3 23573	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.70 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.33 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.56 0.00	42.76 -0.65 0.00	48.83 -0.73 0.00	49.41 -0.81 0.00	50.97 -0.62 0.00	54.46 -0.37 0.00	111.58 -0.49 0.00	63.59 -0.15 0.00	57.94 0.05 0.00	58.25 0.06 0.00	63.61 0.03 0.00	52.93 0.10 0.00	53.77 0.03 0.00	42.23 0.27 0.00
ALBANY___4 23574	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.70 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.33 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.56 0.00	42.76 -0.65 0.00	48.83 -0.73 0.00	49.41 -0.81 0.00	50.97 -0.62 0.00	54.46 -0.37 0.00	111.58 -0.49 0.00	63.59 -0.15 0.00	57.94 0.05 0.00	58.25 0.06 0.00	63.61 0.03 0.00	52.93 0.10 0.00	53.77 0.03 0.00	42.23 0.27 0.00
ALBANY___LFGE 323615	54.32 -0.38 0.00	56.24 -0.32 0.00	48.50 -0.08 0.00	55.94 -0.18 0.00	53.97 -0.04 0.00	52.93 -0.15 0.00	53.54 -0.02 0.00	54.21 0.19 0.00	36.70 0.23 0.00	42.81 -0.08 0.00	44.17 -0.20 0.00	43.16 -0.26 0.00	49.30 -0.26 0.00	49.88 -0.34 0.00	51.47 -0.12 0.00	55.02 0.19 0.00	112.78 0.72 0.00	64.27 0.53 0.00	58.56 0.67 0.00	58.88 0.68 0.00	64.30 0.71 0.00	53.48 0.65 0.00	54.32 0.58 0.00	42.64 0.68 0.00
ALCOA_PA_115KV_PL-6C 55860	56.73 2.04 0.00	58.63 2.08 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.82 1.82 0.00	54.85 1.77 0.00	55.33 1.77 0.00	55.69 1.67 0.00	37.55 1.08 0.00	44.28 1.39 0.00	45.88 1.51 0.00	44.97 1.56 0.00	51.39 1.84 0.00	52.03 1.81 0.00	53.42 1.84 0.00	56.53 1.70 0.00	115.16 3.10 0.00	65.51 1.78 0.00	59.27 1.38 0.00	59.65 1.46 0.00	65.41 1.82 0.00	54.33 1.50 0.00	55.29 1.54 0.00	42.98 1.03 0.00
ALCOA_RYNLDS___DRP 24188	56.73 2.04 0.00	58.63 2.08 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.82 1.82 0.00	54.85 1.77 0.00	55.33 1.77 0.00	55.69 1.67 0.00	37.55 1.08 0.00	44.28 1.39 0.00	45.88 1.51 0.00	44.97 1.56 0.00	51.39 1.84 0.00	52.03 1.81 0.00	53.42 1.84 0.00	56.53 1.70 0.00	115.16 3.10 0.00	65.51 1.78 0.00	59.27 1.38 0.00	59.65 1.46 0.00	65.41 1.82 0.00	54.33 1.50 0.00	55.29 1.54 0.00	42.98 1.03 0.00
ALCOA___DSASP 323711	56.73 2.04 0.00	58.63 2.08 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.82 1.82 0.00	54.85 1.77 0.00	55.33 1.77 0.00	55.69 1.67 0.00	37.55 1.08 0.00	44.28 1.39 0.00	45.88 1.51 0.00	44.97 1.56 0.00	51.39 1.84 0.00	52.03 1.81 0.00	53.42 1.84 0.00	56.53 1.70 0.00	115.16 3.10 0.00	65.51 1.78 0.00	59.27 1.38 0.00	59.65 1.46 0.00	65.41 1.82 0.00	54.33 1.50 0.00	55.29 1.54 0.00	42.98 1.03 0.00
ALLEGHENY___COGEN 23514	55.30 0.60 0.00	56.97 0.41 0.00	48.30 -0.28 0.00	56.04 -0.08 0.00	53.62 -0.39 0.00	52.91 -0.16 0.00	53.23 -0.33 0.00	52.52 -1.20 0.30	33.55 -1.22 1.71	41.82 -1.06 0.00	43.34 -1.03 0.00	42.75 -0.67 0.00	48.01 -1.54 0.00	49.13 -1.09 0.00	49.35 -1.41 0.84	43.28 -2.01 9.54	54.83 -3.08 54.15	14.65 -1.77 47.32	25.81 -2.18 29.90	11.02 -2.12 45.06	20.42 -2.66 40.50	13.87 -2.50 36.46	21.05 -2.53 30.17	-1.33 -1.90 41.39
ALTAMONT_115KV_TB 2 55880	54.61 -0.09 0.00	56.57 0.01 0.00	48.74 0.16 0.00	56.27 0.15 0.00	54.21 0.21 0.00	53.19 0.12 0.00	53.72 0.16 0.00	54.35 0.32 0.00	36.74 0.26 0.00	42.99 0.10 0.00	44.39 0.03 0.00	43.36 -0.06 0.00	49.55 0.00 0.00	50.16 -0.05 0.00	51.64 0.05 0.00	55.06 0.23 0.00	112.80 0.73 0.00	64.23 0.49 0.00	58.52 0.63 0.00	58.83 0.63 0.00	64.28 0.69 0.00	53.45 0.62 0.00	54.35 0.60 0.00	42.59 0.63 0.00
ALTONA_WT_PWR 323606	56.51 1.81 0.00	58.37 1.81 0.00	50.01 1.43 0.00	57.79 1.66 0.00	55.60 1.59 0.00	54.63 1.56 0.00	55.13 1.58 0.00	55.52 1.50 0.00	37.46 0.99 0.00	44.15 1.26 0.00	45.71 1.34 0.00	44.82 1.41 0.00	51.19 1.63 0.00	51.82 1.60 0.00	53.22 1.63 0.00	56.21 1.38 0.00	114.53 2.47 0.00	65.40 1.66 0.00	59.07 1.18 0.00	59.35 1.16 0.00	65.21 1.62 0.00	54.01 1.18 0.00	54.99 1.25 0.00	42.86 0.91 0.00
AMERICAN_REF_FUEL 24010	51.37 -3.32 0.00	52.74 -3.82 0.00	44.49 -4.08 0.00	51.63 -4.50 0.00	49.30 -4.71 0.00	48.57 -4.50 0.00	48.50 -5.06 0.00	47.56 -6.30 0.17	31.35 -4.16 0.96	38.70 -4.18 0.00	40.15 -4.22 0.00	39.57 -3.85 0.00	44.96 -4.59 0.00	45.96 -4.26 0.00	46.28 -4.84 0.47	43.90 -5.55 5.37	68.57 -12.49 31.01	29.07 -7.16 27.51	34.54 -7.04 16.30	24.31 -6.85 27.03	33.00 -7.84 22.76	26.19 -6.61 20.03	31.08 -6.23 16.45	14.77 -4.63 22.56
ARKWRIGHT___SUMMIT_WT_PWR 323751	52.77 -1.93 0.00	54.66 -1.90 0.00	45.91 -2.67 0.00	53.23 -2.89 0.00	50.76 -3.25 0.00	49.77 -3.30 0.00	49.50 -4.06 0.00	48.21 -5.59 0.22	31.19 -4.05 1.23	38.71 -4.17 0.00	40.03 -4.33 0.00	39.63 -3.79 0.00	45.12 -4.44 0.00	46.18 -4.04 0.00	45.93 -5.05 0.60	42.29 -5.72 6.82	59.37 -13.45 39.24	21.28 -8.13 34.34	30.07 -7.46 20.36	17.04 -7.58 33.57	26.84 -8.39 28.36	20.74 -7.10 24.99	26.41 -6.80 20.53	8.40 -5.39 28.17
ARTHUR KILL_GT_1 23520	56.14 1.45 0.00	57.88 1.32 0.00	50.26 1.68 0.00	57.86 1.74 0.00	55.70 1.69 0.00	54.87 1.80 0.00	55.54 1.98 0.00	56.15 2.13 0.00	38.14 1.66 0.00	44.89 2.00 0.00	46.42 2.05 0.00	45.33 1.92 0.00	51.62 2.07 0.00	52.35 2.13 0.00	53.34 1.75 0.00	56.65 1.82 0.00	115.72 3.66 0.00	66.52 2.78 0.00	60.24 2.36 0.00	60.47 2.27 0.00	66.12 2.53 0.00	55.11 2.28 0.00	56.27 2.52 0.00	44.18 2.22 0.00
ARTHUR_KILL_2 23512	56.00 1.30 0.00	57.72 1.17 0.00	50.14 1.56 0.00	57.71 1.59 0.00	55.55 1.54 0.00	54.74 1.67 0.00	55.40 1.84 0.00	56.00 1.97 0.00	38.05 1.57 0.00	44.79 1.90 0.00	46.32 1.95 0.00	45.23 1.81 0.00	51.51 1.96 0.00	52.23 2.01 0.00	53.22 1.63 0.00	56.49 1.66 0.00	115.43 3.37 0.00	66.36 2.62 0.00	60.09 2.20 0.00	60.34 2.14 0.00	65.96 2.37 0.00	54.99 2.16 0.00	56.12 2.37 0.00	44.07 2.11 0.00
ARTHUR_KILL_3 23513	55.86 1.16 0.00	57.59 1.04 0.00	49.77 1.19 0.00	57.47 1.35 0.00	55.29 1.28 0.00	54.45 1.37 0.00	55.10 1.54 0.00	55.84 1.81 0.00	37.87 1.40 0.00	44.60 1.71 0.00	46.23 1.87 0.00	45.13 1.71 0.00	51.41 1.86 0.00	52.13 1.92 0.00	53.25 1.66 0.00	56.44 1.61 0.00	115.71 3.65 0.00	66.29 2.56 0.00	60.08 2.19 0.00	60.35 2.16 0.00	66.05 2.46 0.00	54.97 2.14 0.00	56.00 2.26 0.00	43.89 1.93 0.00



ARTHUR_KILL_COGEN 323718	56.14 1.44 0.00	57.88 1.32 0.00	50.26 1.68 0.00	57.86 1.73 0.00	55.70 1.69 0.00	54.87 1.79 0.00	55.54 1.98 0.00	56.15 2.13 0.00	38.14 1.67 0.00	44.89 2.01 0.00	46.42 2.05 0.00	45.33 1.92 0.00	51.62 2.07 0.00	52.35 2.13 0.00	53.34 1.75 0.00	56.65 1.82 0.00	115.75 3.69 0.00	66.55 2.81 0.00	60.26 2.38 0.00	60.51 2.32 0.00	66.13 2.54 0.00	55.15 2.32 0.00	56.26 2.51 0.00	44.18 2.22 0.00
ASHOKAN____ 23654	55.81 1.12 0.00	57.69 1.14 0.00	49.73 1.15 0.00	57.42 1.29 0.00	55.35 1.34 0.00	54.44 1.36 0.00	55.09 1.53 0.00	55.87 1.84 0.00	37.70 1.22 0.00	43.95 1.06 0.00	45.46 1.09 0.00	44.38 0.96 0.00	51.02 1.46 0.00	51.59 1.37 0.00	52.90 1.31 0.00	56.58 1.75 0.00	116.38 4.32 0.00	66.46 2.73 0.00	60.51 2.63 0.00	60.75 2.56 0.00	66.27 2.68 0.00	55.01 2.18 0.00	55.78 2.04 0.00	43.58 1.63 0.00
ASTORIA_EAST_ENERGY_CC1 323581	56.16 1.47 0.00	57.91 1.35 0.00	50.07 1.49 0.00	57.71 1.59 0.00	55.58 1.58 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.11 2.09 0.00	38.10 1.63 0.00	44.83 1.95 0.00	46.47 2.10 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.58 1.76 0.00	115.95 3.89 0.00	66.49 2.75 0.00	60.24 2.36 0.00	60.55 2.36 0.00	66.30 2.71 0.00	55.18 2.34 0.00	56.13 2.39 0.00	43.94 1.99 0.00
ASTORIA_EAST_ENERGY_CC2 323582	56.16 1.47 0.00	57.91 1.35 0.00	50.07 1.49 0.00	57.71 1.59 0.00	55.58 1.58 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.11 2.09 0.00	38.10 1.63 0.00	44.83 1.95 0.00	46.47 2.10 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.58 1.76 0.00	115.95 3.89 0.00	66.49 2.75 0.00	60.24 2.36 0.00	60.55 2.36 0.00	66.30 2.71 0.00	55.18 2.34 0.00	56.13 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT2_1 24094	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT2_2 24095	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT2_3 24096	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT2_4 24097	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT3_1 24098	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT3_2 24099	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT3_3 24100	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT3_4 24101	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT4_1 24102	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT4_2 24103	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT4_3 24104	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00



ASTORIA_GT4_4 24105	56.16 1.47 0.00	57.91 1.36 0.00	50.07 1.49 0.00	57.72 1.60 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.12 2.09 0.00	38.10 1.63 0.00	44.84 1.95 0.00	46.47 2.11 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.59 1.76 0.00	115.92 3.86 0.00	66.50 2.76 0.00	60.23 2.35 0.00	60.51 2.32 0.00	66.30 2.71 0.00	55.16 2.33 0.00	56.14 2.39 0.00	43.94 1.99 0.00
ASTORIA_GT_1 23523	56.26 1.56 0.00	58.01 1.45 0.00	50.14 1.57 0.00	57.81 1.68 0.00	55.67 1.66 0.00	54.78 1.71 0.00	55.40 1.85 0.00	56.20 2.18 0.00	38.16 1.69 0.00	44.92 2.03 0.00	46.56 2.19 0.00	45.44 2.03 0.00	51.66 2.11 0.00	52.36 2.14 0.00	53.47 1.88 0.00	56.70 1.87 0.00	116.13 4.07 0.00	66.62 2.88 0.00	60.35 2.46 0.00	60.62 2.42 0.00	66.42 2.83 0.00	55.25 2.42 0.00	56.24 2.49 0.00	44.02 2.06 0.00
ASTORIA_GT_10 24110	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.07 2.05 0.00	38.08 1.61 0.00	44.84 1.96 0.00	46.48 2.11 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.14 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.80 3.74 0.00	66.43 2.69 0.00	60.19 2.30 0.00	60.47 2.28 0.00	66.21 2.62 0.00	55.14 2.31 0.00	56.19 2.44 0.00	44.00 2.04 0.00
ASTORIA_GT_11 24225	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.07 2.05 0.00	38.08 1.61 0.00	44.84 1.96 0.00	46.48 2.11 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.14 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.80 3.74 0.00	66.43 2.69 0.00	60.19 2.30 0.00	60.47 2.28 0.00	66.21 2.62 0.00	55.14 2.31 0.00	56.19 2.44 0.00	44.00 2.04 0.00
ASTORIA_GT_12 24226	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.07 2.05 0.00	38.08 1.61 0.00	44.84 1.96 0.00	46.48 2.11 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.14 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.80 3.74 0.00	66.43 2.69 0.00	60.19 2.30 0.00	60.47 2.28 0.00	66.21 2.62 0.00	55.14 2.31 0.00	56.19 2.44 0.00	44.00 2.04 0.00
ASTORIA_GT_13 24227	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.07 2.05 0.00	38.08 1.61 0.00	44.84 1.96 0.00	46.48 2.11 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.14 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.80 3.74 0.00	66.43 2.69 0.00	60.19 2.30 0.00	60.47 2.28 0.00	66.21 2.62 0.00	55.14 2.31 0.00	56.19 2.44 0.00	44.00 2.04 0.00
ASTORIA_GT_5 24106	56.26 1.56 0.00	58.01 1.45 0.00	50.14 1.57 0.00	57.81 1.68 0.00	55.67 1.66 0.00	54.78 1.71 0.00	55.40 1.85 0.00	56.20 2.18 0.00	38.16 1.69 0.00	44.92 2.03 0.00	46.56 2.19 0.00	45.44 2.03 0.00	51.66 2.11 0.00	52.36 2.14 0.00	53.47 1.88 0.00	56.70 1.87 0.00	116.13 4.07 0.00	66.62 2.88 0.00	60.35 2.46 0.00	60.62 2.42 0.00	66.42 2.83 0.00	55.25 2.42 0.00	56.24 2.49 0.00	44.02 2.06 0.00
ASTORIA_GT_7 24107	56.26 1.56 0.00	58.01 1.45 0.00	50.14 1.57 0.00	57.81 1.68 0.00	55.67 1.66 0.00	54.78 1.71 0.00	55.40 1.85 0.00	56.20 2.18 0.00	38.16 1.69 0.00	44.92 2.03 0.00	46.56 2.19 0.00	45.44 2.03 0.00	51.66 2.11 0.00	52.36 2.14 0.00	53.47 1.88 0.00	56.70 1.87 0.00	116.13 4.07 0.00	66.62 2.88 0.00	60.35 2.46 0.00	60.62 2.42 0.00	66.42 2.83 0.00	55.25 2.42 0.00	56.24 2.49 0.00	44.02 2.06 0.00
ASTORIA_GT_8 24108	56.26 1.56 0.00	58.01 1.45 0.00	50.14 1.57 0.00	57.81 1.68 0.00	55.67 1.66 0.00	54.78 1.71 0.00	55.40 1.85 0.00	56.20 2.18 0.00	38.16 1.69 0.00	44.92 2.03 0.00	46.56 2.19 0.00	45.44 2.03 0.00	51.66 2.11 0.00	52.36 2.14 0.00	53.47 1.88 0.00	56.70 1.87 0.00	116.13 4.07 0.00	66.62 2.88 0.00	60.35 2.46 0.00	60.62 2.42 0.00	66.42 2.83 0.00	55.25 2.42 0.00	56.24 2.49 0.00	44.02 2.06 0.00
ASTORIA___2 24149	56.16 1.47 0.00	57.91 1.35 0.00	50.07 1.49 0.00	57.71 1.59 0.00	55.58 1.58 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.11 2.09 0.00	38.10 1.63 0.00	44.83 1.95 0.00	46.47 2.10 0.00	45.36 1.95 0.00	51.56 2.01 0.00	52.26 2.04 0.00	53.37 1.78 0.00	56.58 1.76 0.00	115.95 3.89 0.00	66.49 2.75 0.00	60.24 2.36 0.00	60.55 2.36 0.00	66.30 2.71 0.00	55.18 2.34 0.00	56.13 2.39 0.00	43.94 1.99 0.00
ASTORIA___3 23516	56.07 1.38 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.33 1.77 0.00	56.07 2.05 0.00	38.08 1.60 0.00	44.84 1.96 0.00	46.48 2.12 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.13 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.82 3.76 0.00	66.44 2.70 0.00	60.20 2.31 0.00	60.51 2.31 0.00	66.22 2.63 0.00	55.16 2.33 0.00	56.19 2.44 0.00	44.01 2.05 0.00
ASTORIA___4 23517	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.07 2.05 0.00	38.08 1.61 0.00	44.84 1.96 0.00	46.48 2.11 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.14 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.80 3.74 0.00	66.43 2.69 0.00	60.19 2.30 0.00	60.47 2.28 0.00	66.21 2.62 0.00	55.14 2.31 0.00	56.19 2.44 0.00	44.00 2.04 0.00
ASTORIA___5 23518	56.07 1.38 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.54 1.53 0.00	54.68 1.61 0.00	55.33 1.77 0.00	56.07 2.05 0.00	38.08 1.60 0.00	44.84 1.96 0.00	46.48 2.12 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.13 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.82 3.76 0.00	66.44 2.70 0.00	60.20 2.31 0.00	60.51 2.31 0.00	66.22 2.63 0.00	55.16 2.33 0.00	56.19 2.44 0.00	44.01 2.05 0.00
AST_ENERGY_2_CC3 323677	55.55 0.86 0.00	57.28 0.73 0.00	49.54 0.96 0.00	57.09 0.96 0.00	54.99 0.98 0.00	54.12 1.04 0.00	54.73 1.17 0.00	55.52 1.50 0.00	37.81 1.33 0.00	44.42 1.53 0.00	45.98 1.61 0.00	44.89 1.47 0.00	51.03 1.47 0.00	51.71 1.49 0.00	52.80 1.22 0.00	55.98 1.16 0.00	114.75 2.69 0.00	65.82 2.08 0.00	59.63 1.75 0.00	59.92 1.73 0.00	65.63 2.04 0.00	54.61 1.78 0.00	55.55 1.80 0.00	43.50 1.54 0.00
AST_ENERGY_2_CC4 323678	55.55 0.86 0.00	57.28 0.73 0.00	49.54 0.96 0.00	57.09 0.96 0.00	54.99 0.98 0.00	54.12 1.04 0.00	54.73 1.17 0.00	55.52 1.50 0.00	37.81 1.33 0.00	44.42 1.53 0.00	45.98 1.61 0.00	44.89 1.47 0.00	51.03 1.47 0.00	51.71 1.49 0.00	52.80 1.22 0.00	55.98 1.16 0.00	114.75 2.69 0.00	65.82 2.08 0.00	59.63 1.75 0.00	59.92 1.73 0.00	65.63 2.04 0.00	54.61 1.78 0.00	55.55 1.80 0.00	43.50 1.54 0.00



ATHENS_STG_1 23668	55.07 0.37 0.00	57.05 0.49 0.00	49.17 0.60 0.00	56.78 0.66 0.00	54.68 0.67 0.00	53.68 0.61 0.00	54.19 0.63 0.00	54.83 0.81 0.00	37.07 0.60 0.00	43.51 0.63 0.00	45.01 0.63 0.00	43.96 0.54 0.00	50.15 0.60 0.00	50.83 0.61 0.00	52.16 0.57 0.00	55.53 0.70 0.00	113.71 1.65 0.00	64.80 1.06 0.00	59.00 1.11 0.00	59.32 1.13 0.00	64.82 1.23 0.00	53.90 1.07 0.00	54.85 1.10 0.00	42.95 0.99 0.00
ATHENS_STG_2 23670	55.07 0.37 0.00	57.05 0.49 0.00	49.17 0.60 0.00	56.78 0.66 0.00	54.68 0.67 0.00	53.68 0.61 0.00	54.19 0.63 0.00	54.83 0.81 0.00	37.07 0.60 0.00	43.51 0.63 0.00	45.01 0.63 0.00	43.96 0.54 0.00	50.15 0.60 0.00	50.83 0.61 0.00	52.16 0.57 0.00	55.53 0.70 0.00	113.71 1.65 0.00	64.80 1.06 0.00	59.00 1.11 0.00	59.32 1.13 0.00	64.82 1.23 0.00	53.90 1.07 0.00	54.85 1.10 0.00	42.95 0.99 0.00
ATHENS_STG_3 23677	55.07 0.37 0.00	57.05 0.49 0.00	49.17 0.60 0.00	56.78 0.66 0.00	54.68 0.67 0.00	53.68 0.61 0.00	54.19 0.63 0.00	54.83 0.81 0.00	37.07 0.60 0.00	43.51 0.63 0.00	45.01 0.63 0.00	43.96 0.54 0.00	50.15 0.60 0.00	50.83 0.61 0.00	52.16 0.57 0.00	55.53 0.70 0.00	113.71 1.65 0.00	64.80 1.06 0.00	59.00 1.11 0.00	59.32 1.13 0.00	64.82 1.23 0.00	53.90 1.07 0.00	54.85 1.10 0.00	42.95 0.99 0.00
AUBURN___LFGE 323710	54.41 -0.29 0.00	56.20 -0.36 0.00	48.02 -0.56 0.00	55.66 -0.47 0.00	53.33 -0.67 0.00	52.66 -0.41 0.00	53.00 -0.56 0.00	53.43 -0.69 -0.09	36.46 -0.53 -0.52	42.42 -0.46 0.00	43.90 -0.47 0.00	42.97 -0.45 0.00	49.00 -0.55 0.00	49.87 -0.35 0.00	51.52 -0.33 -0.25	57.16 -0.56 -2.89	127.26 -1.14 -16.34	75.96 -0.71 -12.93	64.13 -0.69 -6.93	70.03 -0.78 -12.62	72.74 -0.83 -9.98	60.66 -0.75 -8.58	59.79 -0.95 -7.00	50.98 -0.57 -9.60
BABYLON_RES_REC 323704	56.46 1.63 -0.14	57.77 1.22 0.00	50.02 1.44 0.00	57.67 1.55 0.00	55.53 1.52 0.00	54.68 1.61 0.00	56.17 1.37 -1.24	56.91 1.63 -1.26	38.40 1.39 -0.54	45.37 1.91 -0.57	46.45 2.08 0.00	45.09 1.67 0.00	51.46 1.40 -0.51	52.93 1.92 -0.78	53.84 1.46 -0.79	56.44 1.60 -0.02	118.85 4.15 -2.63	69.63 2.84 -3.05	61.54 2.72 -0.93	61.67 2.64 -0.84	66.59 2.61 -0.39	55.94 2.30 -0.81	57.10 2.56 -0.79	43.94 1.99 0.00
BALL_HILL_WT_PWR 323825	52.19 -2.51 0.00	53.96 -2.59 0.00	45.46 -3.12 0.00	52.81 -3.32 0.00	50.36 -3.65 0.00	49.56 -3.52 0.00	49.51 -4.05 0.00	48.60 -5.23 0.20	31.87 -3.49 1.11	39.39 -3.50 0.00	40.77 -3.60 0.00	40.24 -3.18 0.00	45.68 -3.87 0.00	46.71 -3.51 0.00	46.95 -4.10 0.54	43.66 -4.94 6.23	64.79 -11.31 35.96	25.28 -6.81 31.65	32.72 -6.41 18.72	20.75 -6.41 31.03	30.33 -7.13 26.13	23.76 -6.08 23.00	29.05 -5.81 18.89	11.56 -4.49 25.91
BARON_WINDS___WT_PWR 323822	52.00 -2.69 0.00	54.04 -2.52 0.00	45.68 -2.90 0.00	53.16 -2.97 0.00	50.65 -3.36 0.00	49.85 -3.23 0.00	50.01 -3.55 0.00	49.09 -4.56 0.38	31.08 -3.26 2.14	39.33 -3.56 0.00	40.73 -3.64 0.00	40.05 -3.36 0.00	45.11 -4.45 0.00	45.93 -4.28 0.00	45.86 -4.69 1.05	37.29 -5.59 11.94	33.08 -11.09 67.89	-3.84 -6.70 60.87	11.83 -6.28 39.77	-5.87 -6.39 57.68	3.26 -7.06 53.27	-1.51 -5.97 48.37	7.57 -6.04 40.13	-17.72 -4.62 55.05
BARRETT_IC_1 23704	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_10 23701	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_11 23702	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_12 23703	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_2 23705	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_3 23706	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_4 23707	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_5 23708	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00



BARRETT_IC_6 23709	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_7 23710	82.78 1.36 -26.72	57.63 1.04 -0.04	49.84 1.27 0.00	57.51 1.38 0.00	55.35 1.34 0.00	54.48 1.36 -0.04	54.53 0.97 0.00	55.17 1.15 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.28 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.06 1.23 0.00	114.74 2.68 0.00	67.28 2.03 -1.52	59.78 1.89 0.00	60.15 1.96 0.00	65.58 1.99 0.00	54.58 1.75 0.00	55.82 2.08 0.00	43.69 1.73 0.00
BARRETT_IC_8 23711	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT_IC_9 23700	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT___1 23545	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BARRETT___2 23546	82.76 1.34 -26.72	57.62 1.03 -0.04	49.84 1.26 0.00	57.50 1.38 0.00	55.35 1.34 0.00	54.48 1.37 -0.04	54.53 0.97 0.00	55.16 1.14 0.00	37.53 1.06 0.00	44.52 1.63 0.00	46.27 1.89 -0.02	45.05 1.59 -0.05	50.90 1.35 0.00	51.87 1.65 0.00	52.75 1.16 0.00	56.05 1.22 0.00	114.76 2.70 0.00	67.29 2.03 -1.52	59.78 1.89 0.00	60.17 1.97 0.00	65.58 1.99 0.00	54.57 1.74 0.00	55.84 2.09 0.00	43.68 1.73 0.00
BATAVIA___115KV_TB1 55881	53.61 -1.08 0.00	55.04 -1.51 0.00	46.58 -2.00 0.00	53.99 -2.13 0.00	51.67 -2.34 0.00	50.94 -2.13 0.00	51.05 -2.51 0.00	50.44 -3.44 0.14	33.26 -2.41 0.81	40.75 -2.14 0.00	42.26 -2.11 0.00	41.67 -1.75 0.00	47.36 -2.20 0.00	48.47 -1.75 0.00	48.89 -2.31 0.39	47.54 -2.78 4.51	79.90 -6.31 25.85	37.34 -3.60 22.79	40.18 -3.90 13.81	32.22 -3.81 22.16	39.92 -4.60 19.07	31.96 -3.95 16.92	36.07 -3.75 13.93	20.05 -2.80 19.10
BAYONEEC___CTG1 323682	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG10 323750	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG2 323683	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG3 323684	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG4 323685	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG5 323686	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG6 323687	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG7 323688	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00



BAYONEEC___CTG8 323689	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BAYONEEC___CTG9 323749	56.09 1.39 0.00	57.83 1.28 0.00	49.96 1.38 0.00	57.68 1.55 0.00	55.50 1.50 0.00	54.63 1.56 0.00	55.27 1.71 0.00	55.99 1.97 0.00	37.99 1.52 0.00	44.76 1.87 0.00	46.41 2.04 0.00	45.29 1.88 0.00	51.60 2.05 0.00	52.32 2.11 0.00	53.43 1.84 0.00	56.62 1.79 0.00	115.98 3.92 0.00	66.46 2.72 0.00	60.23 2.34 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.14 2.31 0.00	56.18 2.43 0.00	44.01 2.05 0.00
BEACON___LESR 323632	54.77 0.07 0.00	56.75 0.20 0.00	48.83 0.25 0.00	56.32 0.20 0.00	54.36 0.36 0.00	53.39 0.31 0.00	54.07 0.51 0.00	54.68 0.66 0.00	37.00 0.53 0.00	43.15 0.26 0.00	44.52 0.15 0.00	43.53 0.11 0.00	49.80 0.24 0.00	50.34 0.12 0.00	51.85 0.26 0.00	55.43 0.60 0.00	113.76 1.70 0.00	64.82 1.08 0.00	59.10 1.22 0.00	59.39 1.20 0.00	64.88 1.29 0.00	53.90 1.07 0.00	54.81 1.06 0.00	42.95 1.00 0.00
BEAVER RIVER___HYD 24048	56.01 1.31 0.00	57.85 1.30 0.00	49.56 0.98 0.00	57.31 1.19 0.00	55.18 1.17 0.00	54.29 1.21 0.00	54.82 1.26 0.00	55.18 1.16 0.00	37.10 0.62 0.00	43.66 0.77 0.00	45.24 0.87 0.00	44.16 0.75 0.00	50.59 1.04 0.00	51.07 0.85 0.00	52.07 0.48 0.00	54.93 0.10 0.00	112.38 0.32 0.00	63.18 -0.55 0.00	57.29 -0.59 0.00	57.43 -0.77 0.00	62.86 -0.73 0.00	52.26 -0.56 0.00	53.36 -0.39 0.00	41.07 -0.88 0.00
BEEBEE_GT_13 23619	53.42 -1.28 0.00	54.91 -1.64 0.00	46.71 -1.87 0.00	54.09 -2.04 0.00	51.82 -2.18 0.00	51.09 -1.98 0.00	51.33 -2.23 0.00	51.14 -2.79 0.10	34.06 -1.87 0.54	41.21 -1.68 0.00	42.72 -1.65 0.00	42.00 -1.42 0.00	47.86 -1.69 0.00	48.81 -1.41 0.00	49.58 -1.74 0.27	49.62 -2.15 3.05	89.84 -5.00 17.22	45.92 -2.95 14.86	45.26 -3.12 9.51	41.02 -3.16 14.01	47.07 -3.72 12.80	38.05 -3.20 11.58	41.04 -3.12 9.59	26.46 -2.34 13.16
BENSHRST_27_KV_BENSHRST_1 355998	56.45 1.75 0.00	58.17 1.62 0.00	50.37 1.79 0.00	58.03 1.91 0.00	55.86 1.85 0.00	55.00 1.93 0.00	55.66 2.10 0.00	56.40 2.37 0.00	38.29 1.82 0.00	45.12 2.23 0.00	46.73 2.36 0.00	45.63 2.21 0.00	51.96 2.41 0.00	52.69 2.48 0.00	53.76 2.17 0.00	57.01 2.19 0.00	116.64 4.57 0.00	66.95 3.22 0.00	60.62 2.73 0.00	60.93 2.73 0.00	66.69 3.10 0.00	55.53 2.70 0.00	56.59 2.84 0.00	44.33 0.00 0.00
BETHLEHEM___GRP 23843	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.70 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.33 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.56 0.00	42.76 -0.65 0.00	48.83 -0.73 0.00	49.41 -0.81 0.00	50.97 -0.62 0.00	54.46 -0.37 0.00	111.58 -0.49 0.00	63.59 -0.15 0.00	57.94 0.05 0.00	58.25 0.06 0.00	63.61 0.03 0.00	52.93 0.10 0.00	53.77 0.03 0.00	42.23 0.27 0.00
BETHLEHEM___GS1 323560	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.69 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.32 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.57 0.00	42.77 -0.65 0.00	48.83 -0.72 0.00	49.41 -0.80 0.00	50.98 -0.61 0.00	54.45 -0.37 0.00	111.60 -0.47 0.00	63.60 -0.14 0.00	57.94 0.05 0.00	58.25 0.05 0.00	63.62 0.03 0.00	52.95 0.12 0.00	53.78 0.03 0.00	42.24 0.28 0.00
BETHLEHEM___GS2 323561	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.69 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.32 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.57 0.00	42.77 -0.65 0.00	48.83 -0.72 0.00	49.41 -0.80 0.00	50.98 -0.61 0.00	54.45 -0.37 0.00	111.60 -0.47 0.00	63.60 -0.14 0.00	57.94 0.05 0.00	58.25 0.05 0.00	63.62 0.03 0.00	52.95 0.12 0.00	53.78 0.03 0.00	42.24 0.28 0.00
BETHLEHEM___GS3 323562	53.83 -0.87 0.00	55.72 -0.83 0.00	48.06 -0.52 0.00	55.43 -0.69 0.00	53.46 -0.55 0.00	52.45 -0.63 0.00	53.04 -0.52 0.00	53.70 -0.32 0.00	36.39 -0.08 0.00	42.45 -0.44 0.00	43.80 -0.57 0.00	42.77 -0.65 0.00	48.83 -0.72 0.00	49.41 -0.80 0.00	50.98 -0.61 0.00	54.45 -0.37 0.00	111.60 -0.47 0.00	63.60 -0.14 0.00	57.94 0.05 0.00	58.25 0.05 0.00	63.62 0.03 0.00	52.95 0.12 0.00	53.78 0.03 0.00	42.24 0.28 0.00
BETHLEHEM___STEEL 23779	52.35 -2.35 0.00	53.91 -2.65 0.00	45.47 -3.11 0.00	52.79 -3.33 0.00	50.37 -3.63 0.00	49.63 -3.44 0.00	49.62 -3.94 0.00	48.85 -4.97 0.20	32.06 -3.29 1.12	39.67 -3.22 0.00	41.08 -3.28 0.00	40.54 -2.88 0.00	46.02 -3.53 0.00	47.00 -3.22 0.00	47.25 -3.79 0.55	43.97 -4.59 6.28	65.66 -10.28 36.12	25.90 -6.01 31.84	32.89 -6.04 18.95	21.18 -5.86 31.16	30.49 -6.71 26.38	23.93 -5.64 23.26	29.24 -5.39 19.12	11.68 -4.06 26.22
BETHLHEM_115KV_TB1 79974	54.01 -0.68 0.00	55.94 -0.61 0.00	48.23 -0.35 0.00	55.65 -0.47 0.00	53.66 -0.35 0.00	52.63 -0.44 0.00	53.21 -0.35 0.00	53.86 -0.16 0.00	36.48 0.00 0.00	42.59 -0.30 0.00	43.96 -0.41 0.00	42.91 -0.50 0.00	49.02 -0.54 0.00	49.61 -0.61 0.00	51.15 -0.44 0.00	54.62 -0.21 0.00	111.89 -0.17 0.00	63.76 0.02 0.00	58.08 0.20 0.00	58.40 0.21 0.00	63.78 0.19 0.00	53.07 0.23 0.00	53.93 0.18 0.00	42.32 0.37 0.00
BETHPAGE_CC_5 323564	57.53 1.60 -1.23	57.76 1.20 0.00	50.00 1.42 0.00	57.66 1.53 0.00	55.51 1.50 0.00	54.64 1.57 0.00	54.91 1.35 0.00	55.60 1.58 0.00	37.83 1.36 0.00	44.76 1.87 0.00	46.44 2.07 0.00	45.14 1.73 0.00	51.09 1.54 0.00	52.12 1.91 0.00	52.96 1.37 0.00	56.35 1.53 0.00	115.83 3.77 0.00	68.32 2.63 -1.94	60.38 2.49 0.00	60.61 2.42 0.00	66.06 2.47 0.00	55.07 2.24 0.00	56.22 2.47 0.00	43.92 1.97 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	52.46 -2.24 0.00	54.02 -2.53 0.00	45.56 -3.02 0.00	52.90 -3.22 0.00	50.47 -3.53 0.00	49.73 -3.34 0.00	49.74 -3.82 0.00	48.98 -4.84 0.20	32.12 -3.20 1.15	39.77 -3.12 0.00	41.19 -3.18 0.00	40.64 -2.78 0.00	46.13 -3.42 0.00	47.10 -3.12 0.00	47.36 -3.67 0.56	43.94 -4.48 6.41	65.17 -10.01 36.88	25.42 -5.88 32.44	32.67 -5.93 19.28	20.76 -5.70 31.74	30.20 -6.54 26.85	23.63 -5.53 23.68	29.04 -5.26 19.45	11.29 -3.99 26.69
BINGHAMTON___COGEN 23790	54.14 -0.56 0.00	56.11 -0.44 0.00	48.08 -0.50 0.00	55.64 -0.48 0.00	53.42 -0.59 0.00	52.53 -0.54 0.00	53.01 -0.55 0.00	53.27 -0.68 0.07	35.61 -0.48 0.39	42.36 -0.53 0.00	43.87 -0.50 0.00	42.95 -0.46 0.00	48.86 -0.70 0.00	49.69 -0.53 0.00	50.84 -0.56 0.19	51.95 -0.70 2.18	98.10 -1.54 12.42	54.02 -0.95 8.77	54.14 -0.73 3.02	48.16 -0.81 9.22	57.25 -0.98 5.36	48.04 -0.84 3.96	49.83 -0.86 3.05	37.14 -0.63 4.19



BIXINCNT_115KV_LOAD 355685	52.83 -1.87 0.00	54.46 -2.09 0.00	45.98 -2.60 0.00	53.50 -2.62 0.00	50.90 -3.11 0.00	50.05 -3.02 0.00	49.95 -3.62 0.00	49.18 -4.61 0.23	32.13 -3.06 1.29	39.76 -3.12 0.00	40.99 -3.37 0.00	40.59 -2.82 0.00	46.07 -3.48 0.00	46.82 -3.39 0.00	46.78 -4.18 0.63	42.11 -5.56 7.16	59.66 -11.31 41.09	20.82 -7.10 35.82	29.21 -7.43 21.24	16.47 -6.75 34.97	26.07 -7.94 29.58	19.54 -7.21 26.08	25.70 -6.62 21.43	7.23 -5.34 29.39
BLACK RIVER___HYD 24047	55.69 0.99 0.00	57.47 0.91 0.00	49.22 0.64 0.00	56.93 0.81 0.00	54.81 0.80 0.00	53.98 0.90 0.00	54.66 1.09 0.00	54.96 0.94 0.00	36.94 0.47 0.00	43.48 0.59 0.00	44.92 0.55 0.00	43.82 0.40 0.00	50.29 0.74 0.00	50.76 0.54 0.00	51.76 0.17 0.00	54.69 -0.14 0.00	112.55 0.49 0.00	63.30 -0.44 0.00	57.14 -0.74 0.00	57.38 -0.82 0.00	62.32 -1.26 0.00	51.81 -1.02 0.00	52.91 -0.84 0.00	40.57 -1.39 0.00
BLACKRVR_115KV_TB2 79977	55.69 0.99 0.00	57.47 0.91 0.00	49.22 0.64 0.00	56.93 0.81 0.00	54.80 0.80 0.00	53.98 0.91 0.00	54.66 1.09 0.00	54.96 0.94 0.00	36.94 0.47 0.00	43.48 0.60 0.00	44.92 0.55 0.00	43.82 0.40 0.00	50.29 0.74 0.00	50.76 0.54 0.00	51.76 0.17 0.00	54.69 -0.14 0.00	112.55 0.49 0.00	63.31 -0.43 0.00	57.15 -0.74 0.00	57.38 -0.82 0.00	62.33 -1.26 0.00	51.81 -1.02 0.00	52.91 -0.84 0.00	40.57 -1.39 0.00
BLDWN_LI_69_KV_BK4 356085	64.39 1.79 -7.90	57.97 1.40 -0.01	50.14 1.56 0.00	57.83 1.71 0.00	55.67 1.67 0.00	54.81 1.72 -0.01	55.04 1.48 0.00	55.72 1.69 0.00	37.88 1.41 0.00	44.86 1.98 0.00	46.54 2.17 0.00	45.27 1.84 -0.01	51.27 1.72 0.00	52.27 2.05 0.00	53.16 1.57 0.00	56.58 1.75 0.00	115.92 3.86 0.00	68.58 2.70 -2.13	60.55 2.66 0.00	60.79 2.59 0.00	66.27 2.68 0.00	55.17 2.34 0.00	56.34 2.59 0.00	44.03 2.07 0.00
BLISS_WT_PWR 323608	52.87 -1.82 0.00	54.49 -2.06 0.00	46.02 -2.56 0.00	53.55 -2.58 0.00	50.92 -3.09 0.00	50.04 -3.04 0.00	49.91 -3.66 0.00	49.11 -4.69 0.23	32.08 -3.11 1.29	39.67 -3.22 0.00	40.83 -3.53 0.00	40.47 -2.94 0.00	45.94 -3.61 0.00	46.64 -3.58 0.00	46.53 -4.43 0.63	41.70 -5.96 7.16	58.97 -12.00 41.09	20.17 -7.74 35.82	28.55 -8.09 21.24	15.90 -7.32 34.97	25.43 -8.57 29.58	18.82 -7.92 26.08	25.13 -7.19 21.43	6.70 -5.86 29.39
BLUESTONE___WT_PWR 323821	55.82 1.12 0.00	58.21 1.65 0.00	50.21 1.63 0.00	58.04 1.92 0.00	55.77 1.77 0.00	55.10 2.03 0.00	55.76 2.20 0.00	56.32 2.22 -0.08	38.38 1.43 -0.48	44.45 1.56 0.00	45.81 1.44 0.00	44.91 1.49 0.00	50.90 1.35 0.00	51.57 1.36 0.00	53.02 1.19 -0.23	57.70 0.19 -2.69	125.51 -1.64 -15.09	75.57 -1.00 -12.82	66.12 0.01 -8.23	69.94 -0.26 -12.00	73.55 -1.08 -11.04	61.80 -1.04 -10.01	60.89 -1.16 -8.30	52.83 -0.52 -11.39
BLUE_CIRC_CHEM_DRP 24182	54.85 0.15 0.00	56.81 0.25 0.00	48.94 0.36 0.00	56.49 0.37 0.00	54.45 0.44 0.00	53.42 0.34 0.00	53.93 0.37 0.00	54.51 0.49 0.00	36.79 0.31 0.00	42.97 0.08 0.00	44.34 -0.03 0.00	43.39 -0.03 0.00	49.60 0.04 0.00	50.19 -0.03 0.00	51.68 0.09 0.00	55.23 0.40 0.00	113.22 1.15 0.00	64.44 0.71 0.00	58.73 0.84 0.00	59.06 0.86 0.00	64.48 0.89 0.00	53.63 0.80 0.00	54.53 0.78 0.00	42.74 0.79 0.00
BOC_GAS_DRP 24189	54.57 -0.13 0.00	56.51 -0.04 0.00	48.70 0.12 0.00	56.21 0.09 0.00	54.17 0.16 0.00	53.14 0.07 0.00	53.67 0.11 0.00	54.28 0.26 0.00	36.71 0.23 0.00	42.98 0.09 0.00	44.39 0.03 0.00	43.35 -0.06 0.00	49.50 -0.05 0.00	50.14 -0.08 0.00	51.58 -0.01 0.00	55.01 0.19 0.00	112.63 0.57 0.00	64.13 0.39 0.00	58.43 0.55 0.00	58.76 0.57 0.00	64.19 0.60 0.00	53.38 0.55 0.00	54.28 0.54 0.00	42.54 0.58 0.00
BOONVILLE_115KV_TB1 79983	55.92 1.22 0.00	57.81 1.26 0.00	49.62 1.05 0.00	57.36 1.24 0.00	55.20 1.19 0.00	54.33 1.25 0.00	54.88 1.33 0.00	55.33 1.31 0.00	37.29 0.82 0.00	43.83 0.95 0.00	45.33 0.96 0.00	44.35 0.94 0.00	50.59 1.03 0.00	51.17 0.95 0.00	52.46 0.87 0.00	55.63 0.80 0.00	113.92 1.86 0.00	64.43 0.70 0.00	58.51 0.62 0.00	58.68 0.48 0.00	64.11 0.52 0.00	53.20 0.37 0.00	54.16 0.42 0.00	42.01 0.05 0.00
BORALEX_4TH_BRANCH 23824	55.32 0.62 0.00	57.34 0.79 0.00	49.42 0.84 0.00	56.99 0.87 0.00	55.08 1.07 0.00	53.94 0.87 0.00	54.68 1.12 0.00	55.52 1.50 0.00	37.40 0.93 0.00	43.42 0.53 0.00	44.54 0.17 0.00	43.17 -0.24 0.00	49.53 -0.03 0.00	50.16 -0.06 0.00	52.12 0.53 0.00	56.11 1.28 0.00	115.41 3.34 0.00	65.64 1.90 0.00	60.20 2.32 0.00	60.46 2.27 0.00	66.05 2.46 0.00	54.95 2.12 0.00	55.87 2.12 0.00	43.73 1.78 0.00
BOWLINE___1 23526	55.75 1.05 0.00	57.53 0.98 0.00	49.65 1.07 0.00	57.38 1.26 0.00	55.20 1.19 0.00	54.34 1.27 0.00	54.97 1.41 0.00	55.65 1.62 0.00	37.67 1.20 0.00	44.33 1.45 0.00	45.91 1.54 0.00	44.83 1.42 0.00	51.10 1.54 0.00	51.80 1.58 0.00	52.97 1.38 0.00	56.26 1.44 0.00	115.47 3.41 0.00	66.08 2.34 0.00	59.92 2.03 0.00	60.21 2.01 0.00	65.83 2.24 0.00	54.72 1.89 0.00	55.76 2.01 0.00	43.67 1.72 0.00
BOWLINE___2 23595	55.74 1.05 0.00	57.52 0.97 0.00	49.63 1.05 0.00	57.37 1.24 0.00	55.19 1.18 0.00	54.32 1.25 0.00	54.96 1.40 0.00	55.63 1.61 0.00	37.66 1.18 0.00	44.31 1.43 0.00	45.90 1.53 0.00	44.82 1.40 0.00	51.09 1.53 0.00	51.78 1.56 0.00	52.95 1.36 0.00	56.25 1.42 0.00	115.45 3.39 0.00	66.06 2.32 0.00	59.92 2.03 0.00	60.19 1.99 0.00	65.81 2.22 0.00	54.71 1.88 0.00	55.75 2.00 0.00	43.66 1.70 0.00
BRADY___115KV_TB2 356060	57.43 2.73 0.00	59.34 2.78 0.00	50.81 2.23 0.00	58.71 2.59 0.00	56.48 2.47 0.00	55.51 2.44 0.00	56.04 2.48 0.00	56.42 2.40 0.00	37.90 1.43 0.00	44.62 1.74 0.00	46.27 1.90 0.00	45.32 1.90 0.00	51.86 2.31 0.00	52.52 2.30 0.00	54.01 2.43 0.00	57.12 2.29 0.00	116.39 4.33 0.00	66.19 2.46 0.00	59.83 1.95 0.00	60.24 2.04 0.00	66.14 2.55 0.00	54.95 2.12 0.00	55.93 2.18 0.00	43.43 1.47 0.00
BRANSCOMB___SOLAR 323811	56.24 1.54 0.00	58.28 1.72 0.00	50.17 1.59 0.00	57.92 1.80 0.00	55.88 1.87 0.00	54.84 1.77 0.00	55.59 2.02 0.00	56.31 2.29 0.00	37.82 1.34 0.00	43.89 1.00 0.00	45.16 0.79 0.00	44.26 0.84 0.00	50.79 1.24 0.00	51.35 1.13 0.00	53.18 1.60 0.00	57.09 2.26 0.00	117.18 5.13 0.00	66.65 2.91 0.00	60.83 2.94 0.00	61.09 2.90 0.00	66.63 3.04 0.00	55.36 2.53 0.00	56.25 2.50 0.00	43.96 2.00 0.00
BRDGHMPT_69_KV_BK1 55812	55.12 1.03 0.60	57.19 0.62 -0.01	49.72 1.14 0.00	57.42 1.29 0.00	55.54 1.53 0.00	55.17 2.10 0.00	62.52 1.77 -7.18	63.46 2.12 -7.32	41.48 1.86 -3.15	48.87 2.66 -3.33	47.16 2.80 0.00	45.69 2.28 0.00	54.24 1.75 -2.94	56.85 2.07 -4.56	58.17 1.99 -4.59	57.11 2.19 -0.10	133.48 6.13 -15.29	76.60 4.18 -8.68	67.43 4.14 -5.41	66.73 3.66 -4.87	68.22 2.37 -2.27	59.54 2.01 -4.71	61.48 3.14 -4.60	43.89 1.93 0.00



BRENTWOD_69_KV_W. BRTWOOD 56703	56.36 1.93 0.26	58.03 1.47 -0.01	50.25 1.67 0.00	57.96 1.84 0.00	55.81 1.80 0.00	54.94 1.87 0.00	61.50 1.70 -6.24	62.36 1.97 -6.36	40.83 1.62 -2.73	47.98 2.20 -2.89	46.70 2.33 0.00	45.19 1.78 0.00	53.65 1.54 -2.56	56.45 2.26 -3.97	57.44 1.86 -3.99	56.83 1.91 -0.08	130.14 4.79 -13.29	74.53 2.98 -7.81	65.77 3.18 -4.71	65.50 3.07 -4.24	68.60 3.04 -1.97	59.56 2.64 -4.09	60.68 2.93 -4.00	44.12 2.17 0.00
BRISTLHL_115KV_TB1 79998	52.91 -1.79 0.00	54.60 -1.95 0.00	46.87 -1.71 0.00	54.13 -1.99 0.00	52.08 -1.93 0.00	51.25 -1.82 0.00	51.75 -1.81 0.00	52.14 -1.89 0.00	35.23 -1.25 0.00	41.41 -1.47 0.00	42.89 -1.48 0.00	41.95 -1.47 0.00	47.86 -1.70 0.00	48.58 -1.64 0.00	49.91 -1.67 0.00	53.06 -1.76 0.00	108.47 -3.60 0.00	61.66 -2.08 0.00	55.98 -1.90 0.00	56.23 -1.96 0.00	61.33 -2.26 0.00	50.91 -1.91 0.00	51.75 -2.00 0.00	40.47 -1.49 0.00
BROOKHAVEN___DRP 24191	55.40 1.30 0.60	57.41 0.85 -0.01	49.78 1.20 0.00	57.40 1.27 0.00	55.33 1.33 0.00	54.58 1.50 0.00	61.92 1.07 -7.29	62.76 1.31 -7.43	40.95 1.28 -3.20	48.08 1.82 -3.38	46.33 1.97 0.00	44.95 1.53 0.00	53.59 1.05 -2.98	56.35 1.50 -4.63	57.48 1.23 -4.66	56.28 1.35 -0.10	131.52 3.94 -15.53	75.36 2.83 -8.79	66.11 2.72 -5.50	65.66 2.51 -4.95	68.05 2.16 -2.30	59.50 1.89 -4.78	60.85 2.43 -4.67	43.78 1.82 0.00
BROOKLYN_NAVY_YARD 23515	55.93 1.23 0.00	57.67 1.11 0.00	49.81 1.24 0.00	57.50 1.38 0.00	55.33 1.32 0.00	54.46 1.38 0.00	55.10 1.54 0.00	55.83 1.81 0.00	37.88 1.41 0.00	44.66 1.78 0.00	46.31 1.94 0.00	45.17 1.76 0.00	51.46 1.90 0.00	52.20 1.98 0.00	53.28 1.69 0.00	56.46 1.64 0.00	115.68 3.62 0.00	66.29 2.56 0.00	60.10 2.21 0.00	60.38 2.19 0.00	66.11 2.52 0.00	55.02 2.19 0.00	56.04 2.30 0.00	43.90 1.94 0.00
BROOKLYN___ARMY_DRP 323595	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
BROOME_2_LFGE 323671	54.14 -0.56 0.00	56.11 -0.44 0.00	48.07 -0.51 0.00	55.64 -0.48 0.00	53.42 -0.59 0.00	52.54 -0.53 0.00	53.01 -0.55 0.00	53.27 -0.69 0.07	35.61 -0.48 0.39	42.36 -0.53 0.00	43.87 -0.49 0.00	42.95 -0.46 0.00	48.86 -0.69 0.00	49.69 -0.53 0.00	50.84 -0.55 0.19	51.94 -0.71 2.18	98.05 -1.59 12.42	53.98 -0.98 8.77	54.12 -0.75 3.02	48.13 -0.83 9.22	57.24 -1.00 5.36	48.00 -0.87 3.96	49.82 -0.87 3.05	37.12 -0.65 4.19
BROOME___LFGE 323600	54.14 -0.56 0.00	56.11 -0.44 0.00	48.07 -0.51 0.00	55.64 -0.48 0.00	53.42 -0.59 0.00	52.54 -0.53 0.00	53.01 -0.55 0.00	53.27 -0.69 0.07	35.61 -0.48 0.39	42.36 -0.53 0.00	43.87 -0.49 0.00	42.95 -0.46 0.00	48.86 -0.69 0.00	49.69 -0.53 0.00	50.84 -0.55 0.19	51.94 -0.71 2.18	98.05 -1.59 12.42	53.98 -0.98 8.77	54.12 -0.75 3.02	48.13 -0.83 9.22	57.24 -1.00 5.36	48.00 -0.87 3.96	49.82 -0.87 3.05	37.12 -0.65 4.19
BROWNFLS_115KV_TB 3_5 80003	56.19 1.50 0.00	58.05 1.49 0.00	49.72 1.14 0.00	57.47 1.35 0.00	55.30 1.30 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.18 1.16 0.00	37.11 0.63 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.14 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.52 -0.22 0.00	57.50 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
BROWNSV1_27_KV_LOAD 356125	56.56 1.87 0.00	58.31 1.76 0.00	50.35 1.78 0.00	58.13 2.00 0.00	55.93 1.92 0.00	55.05 1.98 0.00	55.70 2.14 0.00	56.43 2.41 0.00	38.29 1.82 0.00	45.13 2.24 0.00	46.79 2.43 0.00	45.68 2.27 0.00	52.05 2.49 0.00	52.78 2.56 0.00	53.89 2.30 0.00	57.13 2.31 0.00	117.05 4.99 0.00	67.08 3.34 0.00	60.78 2.90 0.00	61.06 2.87 0.00	66.83 3.24 0.00	55.61 2.78 0.00	56.64 2.90 0.00	44.34 2.39 0.00
BURROWS___LYONSDAL 23803	55.92 1.22 0.00	57.79 1.24 0.00	49.60 1.02 0.00	57.34 1.21 0.00	55.18 1.17 0.00	54.30 1.23 0.00	54.86 1.30 0.00	55.28 1.26 0.00	37.23 0.76 0.00	43.78 0.89 0.00	45.28 0.91 0.00	44.29 0.87 0.00	50.56 1.01 0.00	51.10 0.89 0.00	52.28 0.69 0.00	55.34 0.51 0.00	113.38 1.32 0.00	63.97 0.23 0.00	58.12 0.24 0.00	58.22 0.03 0.00	63.66 0.07 0.00	52.83 0.00 0.00	53.85 0.10 0.00	41.66 -0.29 0.00
CAITHNESS_CC_1 323624	55.30 1.20 0.59	57.31 0.75 -0.01	49.69 1.11 0.00	57.28 1.16 0.00	55.22 1.21 0.00	54.44 1.36 0.00	61.86 0.91 -7.39	62.70 1.14 -7.53	40.89 1.17 -3.24	48.02 1.71 -3.42	46.25 1.88 0.00	44.86 1.45 0.00	53.56 0.98 -3.02	56.32 1.41 -4.70	57.40 1.08 -4.72	56.11 1.18 -0.10	131.34 3.54 -15.74	75.21 2.58 -8.89	65.95 2.49 -5.57	65.53 2.32 -5.02	67.92 2.00 -2.33	59.45 1.77 -4.84	60.78 2.30 -4.73	43.68 1.73 0.00
CALPINE BETH_PAGE_GT4 24209	58.41 1.53 -2.18	57.70 1.14 0.00	49.92 1.34 0.00	57.58 1.46 0.00	55.42 1.42 0.00	54.56 1.49 0.00	54.83 1.27 0.00	55.55 1.53 0.00	37.78 1.30 0.00	44.70 1.81 0.00	46.37 2.00 0.00	45.09 1.67 -0.01	51.04 1.49 0.00	52.05 1.83 0.00	52.80 1.22 0.00	56.19 1.36 0.00	115.45 3.39 0.00	68.22 2.42 -2.07	60.18 2.29 0.00	60.43 2.23 0.00	65.86 2.27 0.00	54.98 2.16 0.00	56.13 2.38 0.00	43.86 1.91 0.00
CALPINE_BETH_PAGE_GT_4 323586	58.39 1.51 -2.18	57.70 1.14 0.00	49.92 1.34 0.00	57.58 1.45 0.00	55.42 1.42 0.00	54.56 1.48 0.00	54.83 1.27 0.00	55.55 1.52 0.00	37.77 1.30 0.00	44.70 1.81 0.00	46.37 2.00 0.00	45.09 1.67 -0.01	51.04 1.49 0.00	52.05 1.83 0.00	52.81 1.22 0.00	56.19 1.36 0.00	115.48 3.42 0.00	68.23 2.43 -2.07	60.18 2.29 0.00	60.43 2.23 0.00	65.86 2.27 0.00	54.99 2.16 0.00	56.14 2.39 0.00	43.87 1.91 0.00
CALPINE_BP_GT1 23823	58.39 1.51 -2.18	57.70 1.14 0.00	49.92 1.34 0.00	57.58 1.45 0.00	55.42 1.42 0.00	54.56 1.48 0.00	54.83 1.27 0.00	55.55 1.52 0.00	37.77 1.30 0.00	44.70 1.81 0.00	46.37 2.00 0.00	45.09 1.67 -0.01	51.04 1.49 0.00	52.05 1.83 0.00	52.81 1.22 0.00	56.19 1.36 0.00	115.48 3.42 0.00	68.23 2.43 -2.07	60.18 2.29 0.00	60.43 2.23 0.00	65.86 2.27 0.00	54.99 2.16 0.00	56.14 2.39 0.00	43.87 1.91 0.00
CALSPAN___DRP 24200	52.35 -2.35 0.00	53.91 -2.65 0.00	45.47 -3.11 0.00	52.79 -3.33 0.00	50.37 -3.63 0.00	49.63 -3.44 0.00	49.62 -3.94 0.00	48.85 -4.97 0.20	32.06 -3.29 1.12	39.67 -3.22 0.00	41.08 -3.28 0.00	40.54 -2.88 0.00	46.02 -3.53 0.00	47.00 -3.22 0.00	47.25 -3.79 0.55	43.97 -4.59 6.28	65.66 -10.28 36.12	25.90 -6.01 31.84	32.89 -6.04 18.95	21.18 -5.86 31.16	30.49 -6.71 26.38	23.93 -5.64 23.26	29.24 -5.39 19.12	11.68 -4.06 26.22



CALVERTON___SOLAR 323806	55.45 1.35 0.60	57.48 0.92 -0.01	49.84 1.26 0.00	57.48 1.35 0.00	55.44 1.43 0.00	54.73 1.66 0.00	62.03 1.22 -7.25	62.88 1.46 -7.39	41.03 1.38 -3.18	48.18 1.93 -3.36	46.44 2.08 0.00	45.04 1.63 0.00	53.67 1.15 -2.97	56.42 1.59 -4.61	57.60 1.38 -4.64	56.45 1.52 -0.10	131.90 4.39 -15.44	75.58 3.09 -8.75	66.32 2.97 -5.47	65.88 2.76 -4.92	68.19 2.31 -2.29	59.59 2.01 -4.75	61.00 2.61 -4.65	43.85 1.90 0.00
CANDIGU_WT_PWR 323617	52.00 -2.69 0.00	54.04 -2.52 0.00	45.68 -2.90 0.00	53.16 -2.97 0.00	50.65 -3.36 0.00	49.85 -3.23 0.00	50.01 -3.55 0.00	49.09 -4.56 0.38	31.08 -3.26 2.14	39.33 -3.56 0.00	40.73 -3.64 0.00	40.05 -3.36 0.00	45.11 -4.45 0.00	45.93 -4.28 0.00	45.86 -4.69 1.05	37.29 -5.59 11.94	33.08 -11.09 67.89	-3.84 -6.70 60.87	11.83 -6.28 39.77	-5.87 -6.39 57.68	3.26 -7.06 53.27	-1.51 -5.97 48.37	7.57 -6.04 40.13	-17.72 -4.62 55.05
CARR STREET_E_SYR 24060	53.60 -1.09 0.00	55.36 -1.20 0.00	47.50 -1.08 0.00	54.88 -1.25 0.00	52.79 -1.22 0.00	51.94 -1.14 0.00	52.42 -1.14 0.00	52.81 -1.21 0.00	35.66 -0.81 0.00	41.96 -0.93 0.00	43.43 -0.94 0.00	42.51 -0.91 0.00	48.48 -1.08 0.00	49.24 -0.98 0.00	50.57 -1.02 0.00	53.74 -1.09 0.00	109.82 -2.24 0.00	62.44 -1.30 0.00	56.68 -1.21 0.00	56.91 -1.28 0.00	62.08 -1.51 0.00	51.53 -1.30 0.00	52.40 -1.35 0.00	40.96 -0.99 0.00
CARTHAGE___PAPER 23857	56.31 1.61 0.00	58.15 1.59 0.00	49.81 1.23 0.00	57.59 1.47 0.00	55.45 1.44 0.00	54.59 1.51 0.00	55.20 1.64 0.00	55.55 1.52 0.00	37.31 0.84 0.00	43.92 1.03 0.00	45.45 1.08 0.00	44.35 0.93 0.00	50.87 1.32 0.00	51.35 1.13 0.00	52.36 0.77 0.00	55.30 0.47 0.00	113.45 1.38 0.00	63.81 0.07 0.00	57.73 -0.15 0.00	57.91 -0.28 0.00	63.20 -0.39 0.00	52.52 -0.31 0.00	53.60 -0.15 0.00	41.17 -0.79 0.00
CASSADAGA_WT_PWR 323784	53.14 -1.56 0.00	55.00 -1.55 0.00	46.22 -2.36 0.00	53.58 -2.54 0.00	51.12 -2.89 0.00	50.12 -2.96 0.00	49.73 -3.83 0.00	48.53 -5.27 0.22	31.29 -3.92 1.26	38.82 -4.07 0.00	40.16 -4.21 0.00	39.79 -3.62 0.00	45.40 -4.15 0.00	46.36 -3.85 0.00	45.76 -5.21 0.62	42.33 -5.56 6.94	58.74 -13.41 39.92	20.72 -8.13 34.89	29.78 -7.41 20.69	16.47 -7.63 34.10	26.23 -8.54 28.82	20.29 -7.13 25.40	26.09 -6.78 20.87	7.90 -5.43 28.63
CE_DUNWOOD___DRP 24194	55.93 1.24 0.00	57.72 1.16 0.00	49.82 1.25 0.00	57.55 1.42 0.00	55.37 1.36 0.00	54.51 1.43 0.00	55.12 1.56 0.00	55.81 1.78 0.00	37.80 1.33 0.00	44.51 1.62 0.00	46.12 1.75 0.00	45.02 1.61 0.00	51.29 1.74 0.00	52.01 1.79 0.00	53.16 1.58 0.00	56.45 1.63 0.00	115.76 3.69 0.00	66.26 2.52 0.00	60.10 2.22 0.00	60.38 2.19 0.00	66.08 2.49 0.00	54.98 2.15 0.00	55.97 2.22 0.00	43.82 1.86 0.00
CE_MILLWOOD___DRP 24193	55.86 1.17 0.00	57.65 1.10 0.00	49.77 1.20 0.00	57.49 1.37 0.00	55.31 1.30 0.00	54.45 1.37 0.00	55.06 1.50 0.00	55.75 1.73 0.00	37.75 1.28 0.00	44.45 1.56 0.00	46.04 1.67 0.00	44.95 1.54 0.00	51.21 1.66 0.00	51.93 1.71 0.00	53.10 1.51 0.00	56.40 1.57 0.00	115.63 3.57 0.00	66.18 2.45 0.00	60.03 2.15 0.00	60.29 2.10 0.00	65.96 2.37 0.00	54.85 2.02 0.00	55.88 2.13 0.00	43.75 1.80 0.00
CE_NYC2_DRP 24202	56.07 1.37 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.34 1.77 0.00	56.08 2.05 0.00	38.08 1.60 0.00	44.84 1.95 0.00	46.48 2.12 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.37 2.15 0.00	53.45 1.86 0.00	56.62 1.79 0.00	115.84 3.78 0.00	66.44 2.70 0.00	60.21 2.32 0.00	60.49 2.30 0.00	66.22 2.63 0.00	55.14 2.31 0.00	56.20 2.45 0.00	44.01 2.05 0.00
CE_NYC_DRP 24195	56.17 1.48 0.00	57.92 1.37 0.00	50.04 1.46 0.00	57.76 1.64 0.00	55.58 1.58 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.05 2.03 0.00	38.03 1.55 0.00	44.80 1.92 0.00	46.46 2.09 0.00	45.35 1.93 0.00	51.66 2.11 0.00	52.40 2.19 0.00	53.50 1.91 0.00	56.72 1.90 0.00	116.18 4.12 0.00	66.59 2.85 0.00	60.34 2.46 0.00	60.61 2.41 0.00	66.33 2.74 0.00	55.22 2.39 0.00	56.28 2.53 0.00	44.09 2.14 0.00
CHAFFEE___LFGE 323603	52.46 -2.24 0.00	54.01 -2.54 0.00	45.55 -3.03 0.00	52.92 -3.20 0.00	50.48 -3.53 0.00	49.76 -3.32 0.00	49.79 -3.77 0.00	49.03 -4.78 0.21	32.11 -3.16 1.21	39.84 -3.05 0.00	41.29 -3.07 0.00	40.72 -2.70 0.00	46.22 -3.33 0.00	47.19 -3.03 0.00	47.42 -3.58 0.59	43.75 -4.35 6.72	63.56 -9.87 38.64	24.03 -5.85 33.85	31.99 -5.78 20.11	19.51 -5.60 33.09	29.21 -6.38 28.00	22.70 -5.43 24.69	28.32 -5.14 20.29	10.21 -3.92 27.83
CHATEAUG_35_KV_LOAD 355732	56.55 1.86 0.00	58.39 1.83 0.00	50.02 1.44 0.00	57.80 1.68 0.00	55.61 1.60 0.00	54.64 1.57 0.00	55.17 1.61 0.00	55.54 1.52 0.00	37.48 1.00 0.00	44.10 1.22 0.00	45.64 1.27 0.00	44.75 1.34 0.00	51.11 1.56 0.00	51.73 1.51 0.00	53.18 1.59 0.00	56.19 1.37 0.00	114.67 2.60 0.00	65.48 1.74 0.00	59.15 1.26 0.00	59.45 1.25 0.00	65.30 1.72 0.00	54.06 1.23 0.00	55.04 1.29 0.00	42.87 0.91 0.00
CHATEAUG_WT_PWR 323614	56.30 1.60 0.00	58.16 1.60 0.00	49.83 1.25 0.00	57.58 1.45 0.00	55.39 1.38 0.00	54.43 1.35 0.00	54.93 1.37 0.00	55.31 1.28 0.00	37.32 0.85 0.00	43.99 1.10 0.00	45.54 1.18 0.00	44.66 1.25 0.00	51.00 1.45 0.00	51.63 1.41 0.00	53.02 1.43 0.00	55.99 1.16 0.00	114.18 2.12 0.00	65.16 1.42 0.00	58.87 0.99 0.00	59.17 0.98 0.00	64.99 1.40 0.00	53.83 1.00 0.00	54.82 1.07 0.00	42.71 0.75 0.00
CHAT_HIGH_FALL_HYD 323578	56.55 1.86 0.00	58.39 1.83 0.00	50.02 1.44 0.00	57.80 1.68 0.00	55.61 1.60 0.00	54.64 1.57 0.00	55.17 1.61 0.00	55.54 1.52 0.00	37.48 1.00 0.00	44.10 1.22 0.00	45.64 1.27 0.00	44.75 1.34 0.00	51.11 1.56 0.00	51.73 1.51 0.00	53.18 1.59 0.00	56.19 1.37 0.00	114.67 2.60 0.00	65.48 1.74 0.00	59.15 1.26 0.00	59.45 1.25 0.00	65.30 1.72 0.00	54.06 1.23 0.00	55.04 1.29 0.00	42.87 0.91 0.00
CHAUTAUQUA___LFGE 323629	52.50 -2.20 0.00	54.40 -2.15 0.00	45.75 -2.83 0.00	53.15 -2.98 0.00	50.65 -3.36 0.00	49.78 -3.29 0.00	49.68 -3.88 0.00	48.56 -5.26 0.21	31.67 -3.64 1.16	39.21 -3.68 0.00	40.57 -3.80 0.00	40.08 -3.33 0.00	45.51 -4.04 0.00	46.61 -3.61 0.00	46.71 -4.32 0.57	43.20 -5.08 6.54	62.49 -11.86 37.71	23.47 -7.19 33.08	31.65 -6.63 19.60	19.08 -6.74 32.38	28.82 -7.45 27.32	22.42 -6.34 24.07	27.92 -6.05 19.77	10.06 -4.77 27.12
CHERRYST_13_KV_LD 356241	56.31 1.62 0.00	58.06 1.51 0.00	50.14 1.57 0.00	57.89 1.77 0.00	55.71 1.70 0.00	54.81 1.74 0.00	55.44 1.88 0.00	56.19 2.16 0.00	38.12 1.64 0.00	44.92 2.04 0.00	46.58 2.21 0.00	45.47 2.06 0.00	51.80 2.25 0.00	52.53 2.31 0.00	53.65 2.06 0.00	56.86 2.03 0.00	116.50 4.44 0.00	66.75 3.01 0.00	60.49 2.61 0.00	60.76 2.56 0.00	66.51 2.92 0.00	55.33 2.50 0.00	56.40 2.65 0.00	44.19 2.23 0.00



CHESTROR_138KV_BK263 355645	55.74 1.04 0.00	57.56 1.00 0.00	49.63 1.05 0.00	57.35 1.23 0.00	55.18 1.17 0.00	54.31 1.23 0.00	54.91 1.35 0.00	55.57 1.54 0.00	37.59 1.12 0.00	44.23 1.34 0.00	45.76 1.39 0.00	44.70 1.29 0.00	50.96 1.41 0.00	51.66 1.44 0.00	52.85 1.26 0.00	56.22 1.39 0.00	115.32 3.26 0.00	65.93 2.19 0.00	59.83 1.94 0.00	60.11 1.92 0.00	65.71 2.12 0.00	54.60 1.77 0.00	55.61 1.87 0.00	43.53 1.57 0.00
CH_MIDHUDSON___DRP 24192	55.91 1.22 0.00	57.76 1.20 0.00	49.82 1.24 0.00	57.53 1.40 0.00	55.39 1.38 0.00	54.48 1.41 0.00	55.09 1.53 0.00	55.78 1.75 0.00	37.75 1.28 0.00	44.39 1.51 0.00	45.98 1.61 0.00	44.90 1.49 0.00	51.22 1.67 0.00	51.91 1.70 0.00	53.13 1.54 0.00	56.50 1.67 0.00	115.85 3.79 0.00	66.21 2.48 0.00	60.14 2.25 0.00	60.41 2.22 0.00	66.04 2.45 0.00	54.91 2.08 0.00	55.87 2.13 0.00	43.72 1.77 0.00
CH_MISC_IPPS 23765	56.26 1.56 0.00	58.11 1.56 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.29 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.46 1.88 0.00	56.88 2.05 0.00	116.66 4.60 0.00	66.69 2.95 0.00	60.55 2.66 0.00	60.83 2.64 0.00	66.47 2.88 0.00	55.25 2.42 0.00	56.23 2.48 0.00	43.98 2.02 0.00
CH_RES_BVR_FALLS 23983	55.18 0.48 0.00	57.03 0.48 0.00	48.97 0.39 0.00	56.57 0.45 0.00	54.44 0.43 0.00	53.50 0.42 0.00	53.98 0.42 0.00	54.40 0.37 0.00	36.69 0.22 0.00	43.20 0.32 0.00	44.72 0.35 0.00	43.77 0.35 0.00	49.91 0.36 0.00	50.51 0.30 0.00	51.71 0.13 0.00	54.63 -0.20 0.00	111.54 -0.52 0.00	63.07 -0.67 0.00	56.86 -1.02 0.00	57.16 -1.03 0.00	62.64 -0.95 0.00	52.06 -0.77 0.00	53.10 -0.65 0.00	41.48 -0.48 0.00
CH_RES_NIAGARA 23895	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
CH_RES_SYRACUSE 23985	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.18 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.67 -0.70 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.08 -0.76 -1.02	116.26 -1.54 -5.74	65.96 -0.91 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
CLINTON_WT_PWR 323605	56.30 1.60 0.00	58.16 1.60 0.00	49.83 1.25 0.00	57.58 1.45 0.00	55.39 1.38 0.00	54.43 1.35 0.00	54.93 1.37 0.00	55.31 1.28 0.00	37.32 0.85 0.00	43.99 1.10 0.00	45.54 1.18 0.00	44.66 1.25 0.00	51.00 1.45 0.00	51.63 1.41 0.00	53.02 1.43 0.00	55.99 1.16 0.00	114.18 2.12 0.00	65.16 1.42 0.00	58.87 0.99 0.00	59.17 0.98 0.00	64.99 1.40 0.00	53.83 1.00 0.00	54.82 1.07 0.00	42.71 0.75 0.00
CLINTON___LFGE 323618	57.03 2.33 0.00	58.89 2.33 0.00	50.42 1.84 0.00	58.28 2.15 0.00	56.06 2.05 0.00	55.08 2.01 0.00	55.59 2.03 0.00	55.98 1.96 0.00	37.77 1.29 0.00	44.43 1.55 0.00	46.07 1.70 0.00	45.09 1.67 0.00	51.52 1.97 0.00	52.13 1.91 0.00	53.57 1.99 0.00	56.71 1.88 0.00	115.72 3.66 0.00	66.16 2.42 0.00	59.69 1.81 0.00	59.96 1.76 0.00	65.82 2.23 0.00	54.49 1.66 0.00	55.46 1.72 0.00	43.19 1.24 0.00
COBBLENY_34_KV_TB1 80064	52.46 -2.24 0.00	54.01 -2.55 0.00	45.55 -3.03 0.00	52.92 -3.20 0.00	50.47 -3.53 0.00	49.76 -3.32 0.00	49.79 -3.77 0.00	49.03 -4.78 0.21	32.11 -3.15 1.21	39.84 -3.05 0.00	41.29 -3.08 0.00	40.72 -2.70 0.00	46.22 -3.33 0.00	47.19 -3.03 0.00	47.42 -3.57 0.59	43.77 -4.33 6.72	63.66 -9.76 38.64	24.18 -5.70 33.85	32.06 -5.71 20.11	19.58 -5.52 33.09	29.24 -6.35 28.00	22.78 -5.35 24.69	28.34 -5.12 20.29	10.25 -3.87 27.83
COFFEEN___115KV_TB3 355620	55.88 1.18 0.00	57.66 1.10 0.00	49.37 0.79 0.00	57.10 0.98 0.00	54.97 0.96 0.00	54.17 1.10 0.00	54.86 1.30 0.00	55.18 1.15 0.00	37.08 0.61 0.00	43.64 0.75 0.00	45.04 0.68 0.00	43.95 0.53 0.00	50.45 0.89 0.00	50.92 0.70 0.00	51.99 0.40 0.00	55.00 0.17 0.00	113.31 1.25 0.00	63.77 0.04 0.00	57.51 -0.38 0.00	57.74 -0.46 0.00	62.73 -0.86 0.00	52.13 -0.70 0.00	53.18 -0.57 0.00	40.78 -1.17 0.00
COLDSPRG_115KV_BK1 355956	53.33 -1.36 0.00	55.17 -1.39 0.00	46.54 -2.04 0.00	54.11 -2.01 0.00	51.58 -2.42 0.00	50.74 -2.33 0.00	50.60 -2.96 0.00	49.97 -3.81 0.24	32.30 -2.78 1.39	40.21 -2.68 0.00	41.72 -2.65 0.00	41.29 -2.13 0.00	46.89 -2.66 0.00	47.81 -2.41 0.00	47.47 -3.44 0.68	43.27 -3.99 7.57	59.26 -9.40 43.40	20.52 -5.48 37.75	30.20 -5.27 22.41	16.21 -5.18 36.80	26.41 -5.99 31.18	20.33 -5.00 27.50	26.39 -4.76 22.61	7.19 -3.76 31.01
COLONIE_LFGE___ 323577	55.09 0.39 0.00	57.07 0.51 0.00	49.17 0.59 0.00	56.72 0.60 0.00	54.74 0.73 0.00	53.69 0.61 0.00	54.33 0.77 0.00	55.04 1.02 0.00	37.11 0.63 0.00	43.22 0.34 0.00	44.52 0.15 0.00	43.43 0.01 0.00	49.75 0.19 0.00	50.35 0.13 0.00	52.07 0.48 0.00	55.80 0.97 0.00	114.55 2.48 0.00	65.21 1.47 0.00	59.53 1.65 0.00	59.83 1.63 0.00	65.32 1.73 0.00	54.30 1.47 0.00	55.19 1.44 0.00	43.23 1.27 0.00
COOPERNY_115KV_TB1 80082	55.49 0.79 0.00	57.36 0.80 0.00	49.40 0.82 0.00	57.09 0.97 0.00	54.93 0.92 0.00	54.05 0.97 0.00	54.59 1.03 0.00	55.18 1.16 0.00	37.32 0.84 0.00	43.88 1.00 0.00	45.42 1.05 0.00	44.37 0.95 0.00	50.60 1.04 0.00	51.27 1.05 0.00	52.55 0.96 0.00	55.87 1.04 0.00	114.48 2.42 0.00	65.34 1.60 0.00	59.32 1.43 0.00	59.61 1.42 0.00	65.17 1.58 0.00	54.13 1.30 0.00	55.11 1.36 0.00	43.12 1.16 0.00
COPENHAGEN_WT_PWR 323753	55.41 0.71 0.00	57.20 0.65 0.00	48.98 0.40 0.00	56.66 0.53 0.00	54.54 0.53 0.00	53.73 0.65 0.00	54.37 0.81 0.00	54.67 0.65 0.00	36.76 0.29 0.00	43.28 0.40 0.00	44.72 0.36 0.00	43.63 0.21 0.00	50.03 0.48 0.00	50.46 0.24 0.00	51.39 -0.20 0.00	54.19 -0.64 0.00	111.61 -0.46 0.00	62.65 -1.08 0.00	56.54 -1.35 0.00	56.82 -1.38 0.00	61.55 -2.04 0.00	51.22 -1.61 0.00	52.39 -1.36 0.00	40.10 -1.85 0.00
CORNELL_____ 23752	55.01 0.31 0.00	56.90 0.35 0.00	48.74 0.16 0.00	56.38 0.25 0.00	54.16 0.15 0.00	53.33 0.26 0.00	53.86 0.30 0.00	54.98 0.21 -0.74	40.72 0.06 -4.19	42.75 -0.14 0.00	44.32 -0.05 0.00	43.34 -0.07 0.00	49.34 -0.22 0.00	50.32 0.10 0.00	53.91 0.27 -2.05	78.45 0.18 -23.45	244.99 0.55 -132.37	170.39 0.28 -106.38	117.45 0.29 -59.27	161.40 0.17 -103.04	147.63 0.02 -84.02	125.83 -0.09 -73.09	113.38 -0.19 -59.83	123.90 -0.13 -82.07



CORONA__69_KV_TB1 355595	72.61 1.85 -16.05	58.09 1.51 -0.02	50.21 1.63 0.00	57.94 1.82 0.00	55.76 1.75 0.00	54.89 1.79 -0.03	55.05 1.49 0.00	55.70 1.68 0.00	37.86 1.39 0.00	44.82 1.93 0.00	46.52 2.14 -0.01	45.30 1.85 -0.03	51.29 1.74 0.00	52.24 2.02 0.00	53.17 1.59 0.00	56.56 1.73 0.00	116.03 3.96 0.00	69.47 2.74 -3.00	60.41 2.52 0.00	60.80 2.61 0.00	66.33 2.74 0.00	55.17 2.35 0.00	56.35 2.60 0.00	44.06 2.11 0.00
CORTLAND__115KV_TB3 80093	54.68 -0.01 0.00	56.59 0.03 0.00	48.54 -0.04 0.00	56.11 -0.01 0.00	53.94 -0.06 0.00	53.09 0.02 0.00	53.62 0.06 0.00	54.22 0.00 -0.20	37.58 -0.04 -1.15	42.73 -0.16 0.00	44.28 -0.09 0.00	43.33 -0.09 0.00	49.34 -0.22 0.00	50.15 -0.06 0.00	52.16 0.01 -0.56	61.25 0.00 -6.42	148.39 0.12 -36.21	93.00 0.03 -29.23	74.45 0.06 -16.50	86.39 -0.03 -28.23	86.70 -0.15 -23.27	72.94 -0.20 -20.32	70.14 -0.26 -16.65	64.61 -0.19 -22.84
COXSACKIE__GT 23611	56.48 1.79 0.00	58.49 1.93 0.00	50.36 1.78 0.00	58.12 1.99 0.00	56.06 2.05 0.00	55.09 2.01 0.00	55.75 2.19 0.00	56.58 2.56 0.00	37.94 1.47 0.00	43.77 0.89 0.00	44.93 0.56 0.00	44.16 0.74 0.00	50.98 1.43 0.00	51.53 1.31 0.00	52.90 1.31 0.00	56.95 2.12 0.00	117.87 5.81 0.00	67.32 3.57 0.00	61.32 3.43 0.00	61.50 3.30 0.00	67.03 3.43 0.00	55.63 2.80 0.00	56.37 2.62 0.00	44.06 2.11 0.00
CPV_VALLEY__CC1 323721	55.57 0.88 0.00	57.40 0.84 0.00	49.49 0.91 0.00	57.19 1.07 0.00	55.03 1.02 0.00	54.15 1.07 0.00	54.73 1.17 0.00	55.37 1.35 0.00	37.46 0.99 0.00	44.06 1.18 0.00	45.62 1.25 0.00	44.55 1.13 0.00	50.80 1.24 0.00	51.48 1.27 0.00	52.71 1.12 0.00	56.03 1.21 0.00	114.89 2.83 0.00	65.64 1.90 0.00	59.58 1.69 0.00	59.87 1.67 0.00	65.45 1.86 0.00	54.39 1.56 0.00	55.40 1.65 0.00	43.36 1.41 0.00
CPV_VALLEY__CC2 323722	55.57 0.88 0.00	57.40 0.84 0.00	49.49 0.91 0.00	57.19 1.07 0.00	55.03 1.02 0.00	54.15 1.07 0.00	54.73 1.17 0.00	55.37 1.35 0.00	37.46 0.99 0.00	44.06 1.18 0.00	45.62 1.25 0.00	44.55 1.13 0.00	50.80 1.24 0.00	51.48 1.27 0.00	52.71 1.12 0.00	56.03 1.21 0.00	114.89 2.83 0.00	65.64 1.90 0.00	59.58 1.69 0.00	59.87 1.67 0.00	65.45 1.86 0.00	54.39 1.56 0.00	55.40 1.65 0.00	43.36 1.41 0.00
CRESCENT__HYD 24018	55.09 0.39 0.00	57.07 0.51 0.00	49.17 0.59 0.00	56.72 0.60 0.00	54.74 0.73 0.00	53.69 0.61 0.00	54.33 0.77 0.00	55.04 1.02 0.00	37.11 0.63 0.00	43.22 0.34 0.00	44.52 0.15 0.00	43.43 0.01 0.00	49.75 0.19 0.00	50.35 0.13 0.00	52.07 0.48 0.00	55.80 0.97 0.00	114.55 2.48 0.00	65.21 1.47 0.00	59.53 1.65 0.00	59.83 1.63 0.00	65.32 1.73 0.00	54.30 1.47 0.00	55.19 1.44 0.00	43.23 1.27 0.00
CRICKET__VALLEY_CC1 323756	55.14 0.44 0.00	56.97 0.42 0.00	49.16 0.58 0.00	56.77 0.65 0.00	54.65 0.65 0.00	53.75 0.68 0.00	54.34 0.78 0.00	55.01 0.98 0.00	37.26 0.78 0.00	43.81 0.93 0.00	45.37 1.00 0.00	44.29 0.88 0.00	50.49 0.93 0.00	51.18 0.97 0.00	52.38 0.79 0.00	55.67 0.84 0.00	114.07 2.01 0.00	64.00 1.50 1.24	59.25 1.36 0.00	59.54 1.35 0.00	65.09 1.50 0.00	54.15 1.32 0.00	55.12 1.37 0.00	43.16 1.20 0.00
CRICKET__VALLEY_CC2 323757	55.14 0.44 0.00	56.97 0.42 0.00	49.16 0.58 0.00	56.77 0.65 0.00	54.65 0.65 0.00	53.75 0.68 0.00	54.34 0.78 0.00	55.01 0.98 0.00	37.26 0.78 0.00	43.81 0.93 0.00	45.37 1.00 0.00	44.29 0.88 0.00	50.49 0.93 0.00	51.18 0.97 0.00	52.38 0.79 0.00	55.67 0.84 0.00	114.07 2.01 0.00	65.24 1.50 0.00	59.25 1.36 0.00	59.54 1.35 0.00	65.09 1.50 0.00	54.15 1.32 0.00	55.12 1.37 0.00	43.16 1.20 0.00
CRICKET__VALLEY_CC3 323758	55.14 0.44 0.00	56.97 0.42 0.00	49.16 0.58 0.00	56.77 0.65 0.00	54.65 0.65 0.00	53.75 0.68 0.00	54.34 0.78 0.00	55.01 0.98 0.00	37.26 0.78 0.00	43.81 0.93 0.00	45.37 1.00 0.00	44.29 0.88 0.00	50.49 0.93 0.00	51.18 0.97 0.00	52.38 0.79 0.00	55.67 0.84 0.00	114.07 2.01 0.00	64.00 1.50 1.24	59.25 1.36 0.00	59.54 1.35 0.00	65.09 1.50 0.00	54.15 1.32 0.00	55.12 1.37 0.00	43.16 1.20 0.00
CRUCIBLE__METL_DRP 24180	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
DAHOWA__HYDRO 323763	56.53 1.84 0.00	58.60 2.04 0.00	50.43 1.85 0.00	58.22 2.10 0.00	56.19 2.18 0.00	55.15 2.08 0.00	55.93 2.37 0.00	56.72 2.69 0.00	38.07 1.60 0.00	44.11 1.23 0.00	45.37 1.00 0.00	44.49 1.07 0.00	51.07 1.51 0.00	51.63 1.41 0.00	53.52 1.93 0.00	57.47 2.64 0.00	118.01 5.95 0.00	67.10 3.36 0.00	61.25 3.37 0.00	61.50 3.31 0.00	67.06 3.46 0.00	55.69 2.86 0.00	56.58 2.84 0.00	44.19 2.23 0.00
DANC__LFGE 323619	54.48 -0.22 0.00	56.23 -0.33 0.00	48.19 -0.39 0.00	55.71 -0.41 0.00	53.62 -0.39 0.00	52.79 -0.28 0.00	53.38 -0.19 0.00	53.72 -0.30 0.00	36.17 -0.30 0.00	42.60 -0.29 0.00	44.07 -0.30 0.00	43.02 -0.39 0.00	49.26 -0.30 0.00	49.76 -0.45 0.00	50.87 -0.72 0.00	53.81 -1.02 0.00	110.44 -1.62 0.00	62.30 -1.44 0.00	56.32 -1.57 0.00	56.59 -1.61 0.00	61.48 -2.11 0.00	51.12 -1.71 0.00	52.15 -1.60 0.00	40.24 -1.71 0.00
DANSKAMMER__1 23586	56.26 1.56 0.00	58.11 1.56 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.29 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.46 1.88 0.00	56.88 2.05 0.00	116.66 4.60 0.00	66.69 2.95 0.00	60.55 2.66 0.00	60.83 2.64 0.00	66.47 2.88 0.00	55.25 2.42 0.00	56.23 2.48 0.00	43.98 2.02 0.00
DANSKAMMER__2 23589	56.26 1.56 0.00	58.11 1.56 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.29 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.46 1.88 0.00	56.88 2.05 0.00	116.66 4.60 0.00	66.69 2.95 0.00	60.55 2.66 0.00	60.83 2.64 0.00	66.47 2.88 0.00	55.25 2.42 0.00	56.23 2.48 0.00	43.98 2.02 0.00
DANSKAMMER__3 23590	56.26 1.56 0.00	58.11 1.56 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.29 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.46 1.88 0.00	56.88 2.05 0.00	116.66 4.60 0.00	66.69 2.95 0.00	60.55 2.66 0.00	60.83 2.64 0.00	66.47 2.88 0.00	55.25 2.42 0.00	56.23 2.48 0.00	43.98 2.02 0.00



DANSKAMMER___4 23591	56.26 1.56 0.00	58.11 1.56 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.29 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.46 1.88 0.00	56.88 2.05 0.00	116.66 4.60 0.00	66.69 2.95 0.00	60.55 2.66 0.00	60.83 2.64 0.00	66.47 2.88 0.00	55.25 2.42 0.00	56.23 2.48 0.00	43.98 2.02 0.00
DANSKAMMER___DIESEL 23592	56.26 1.57 0.00	58.11 1.55 0.00	50.12 1.54 0.00	57.88 1.76 0.00	55.72 1.71 0.00	54.84 1.76 0.00	55.46 1.90 0.00	56.13 2.11 0.00	38.00 1.52 0.00	44.69 1.81 0.00	46.30 1.93 0.00	45.19 1.77 0.00	51.55 2.00 0.00	52.26 2.04 0.00	53.47 1.88 0.00	56.88 2.06 0.00	116.63 4.57 0.00	66.70 2.96 0.00	60.54 2.66 0.00	60.82 2.62 0.00	66.46 2.88 0.00	55.25 2.42 0.00	56.22 2.48 0.00	43.98 2.02 0.00
DARBY___SOLAR 323810	56.30 1.61 0.00	58.37 1.81 0.00	50.24 1.66 0.00	58.01 1.88 0.00	55.97 1.96 0.00	54.92 1.85 0.00	55.67 2.11 0.00	56.41 2.39 0.00	37.88 1.40 0.00	43.93 1.04 0.00	45.19 0.82 0.00	44.31 0.90 0.00	50.85 1.30 0.00	51.42 1.20 0.00	53.28 1.69 0.00	57.18 2.36 0.00	117.39 5.33 0.00	66.74 3.00 0.00	60.89 3.01 0.00	61.17 2.97 0.00	66.71 3.12 0.00	55.42 2.59 0.00	56.31 2.56 0.00	44.00 2.05 0.00
DASHVILLE___HYD 23610	55.69 0.99 0.00	57.56 1.00 0.00	49.64 1.06 0.00	57.33 1.21 0.00	55.18 1.18 0.00	54.28 1.20 0.00	54.87 1.31 0.00	55.55 1.53 0.00	37.59 1.12 0.00	44.19 1.30 0.00	45.78 1.41 0.00	44.66 1.25 0.00	51.02 1.46 0.00	51.70 1.48 0.00	52.88 1.29 0.00	56.28 1.45 0.00	115.36 3.30 0.00	65.93 2.19 0.00	59.89 2.00 0.00	60.18 1.98 0.00	65.76 2.17 0.00	54.66 1.83 0.00	55.62 1.87 0.00	43.51 1.55 0.00
DELAWARE___LFGE 323621	55.45 0.76 0.00	57.48 0.92 0.00	49.45 0.87 0.00	57.13 1.01 0.00	54.97 0.96 0.00	53.99 0.91 0.00	54.48 0.92 0.00	55.02 0.99 0.00	37.18 0.71 0.00	43.74 0.85 0.00	45.25 0.88 0.00	44.23 0.82 0.00	50.43 0.88 0.00	51.12 0.90 0.00	52.45 0.86 0.00	55.66 0.83 0.00	113.73 1.67 0.00	64.69 0.95 0.00	58.91 1.03 0.00	59.24 1.05 0.00	64.60 1.01 0.00	53.64 0.81 0.00	54.55 0.80 0.00	42.65 0.69 0.00
DERFIELD_115KV_TB7 355931	54.60 -0.09 0.00	56.50 -0.06 0.00	48.57 -0.01 0.00	56.09 -0.04 0.00	54.01 0.00 0.00	53.05 -0.02 0.00	53.51 -0.05 0.00	54.01 -0.01 0.00	36.45 -0.02 0.00	42.83 -0.06 0.00	44.28 -0.09 0.00	43.33 -0.09 0.00	49.46 -0.10 0.00	50.12 -0.10 0.00	51.49 -0.10 0.00	54.78 -0.04 0.00	111.95 -0.12 0.00	63.66 -0.08 0.00	57.87 -0.01 0.00	58.15 -0.04 0.00	63.53 -0.06 0.00	52.83 0.00 0.00	53.75 0.00 0.00	42.01 0.05 0.00
DOGLEVILLE___HYD 23807	57.59 2.90 0.00	59.69 3.14 0.00	51.38 2.81 0.00	59.40 3.27 0.00	57.23 3.23 0.00	56.25 3.18 0.00	56.76 3.21 0.00	57.18 3.16 0.00	37.96 1.49 0.00	44.01 1.12 0.00	45.29 0.93 0.00	44.86 1.45 0.00	51.40 1.84 0.00	52.00 1.78 0.00	53.64 2.05 0.00	57.78 2.95 0.00	118.47 6.41 0.00	67.51 3.77 0.00	61.99 4.11 0.00	62.18 3.98 0.00	67.73 4.15 0.00	56.29 3.46 0.00	57.27 3.52 0.00	44.82 2.87 0.00
DUNKIRK___115KV_TB_200 55889	52.41 -2.29 0.00	54.33 -2.22 0.00	45.70 -2.88 0.00	53.08 -3.04 0.00	50.58 -3.42 0.00	49.75 -3.32 0.00	49.69 -3.88 0.00	48.57 -5.24 0.20	31.74 -3.58 1.16	39.27 -3.61 0.00	40.63 -3.74 0.00	40.13 -3.29 0.00	45.55 -4.01 0.00	46.65 -3.57 0.00	46.82 -4.21 0.56	43.32 -5.00 6.50	63.01 -11.56 37.49	24.04 -6.80 32.91	31.94 -6.45 19.49	19.48 -6.50 32.22	29.16 -7.25 27.18	22.74 -6.15 23.94	28.16 -5.92 19.66	10.36 -4.61 26.98
DUNKIRK___1 23563	52.41 -2.29 0.00	54.33 -2.22 0.00	45.70 -2.88 0.00	53.08 -3.04 0.00	50.58 -3.42 0.00	49.75 -3.32 0.00	49.69 -3.88 0.00	48.57 -5.24 0.20	31.74 -3.58 1.16	39.27 -3.61 0.00	40.63 -3.74 0.00	40.13 -3.29 0.00	45.55 -4.01 0.00	46.65 -3.57 0.00	46.82 -4.21 0.56	43.32 -5.00 6.50	63.01 -11.56 37.49	24.04 -6.80 32.91	31.94 -6.45 19.49	19.48 -6.50 32.22	29.16 -7.25 27.18	22.74 -6.15 23.94	28.16 -5.92 19.66	10.36 -4.61 26.98
DUNKIRK___2 23564	52.41 -2.29 0.00	54.33 -2.22 0.00	45.70 -2.88 0.00	53.08 -3.04 0.00	50.58 -3.42 0.00	49.75 -3.32 0.00	49.69 -3.88 0.00	48.57 -5.24 0.20	31.74 -3.58 1.16	39.27 -3.61 0.00	40.63 -3.74 0.00	40.13 -3.29 0.00	45.55 -4.01 0.00	46.65 -3.57 0.00	46.82 -4.21 0.56	43.32 -5.00 6.50	63.01 -11.56 37.49	24.04 -6.80 32.91	31.94 -6.45 19.49	19.48 -6.50 32.22	29.16 -7.25 27.18	22.74 -6.15 23.94	28.16 -5.92 19.66	10.36 -4.61 26.98
DUNKIRK___3 23565	52.20 -2.50 0.00	54.05 -2.50 0.00	45.52 -3.05 0.00	52.90 -3.22 0.00	50.41 -3.60 0.00	49.62 -3.45 0.00	49.58 -3.98 0.00	48.63 -5.19 0.20	31.84 -3.51 1.13	39.35 -3.54 0.00	40.74 -3.63 0.00	40.22 -3.19 0.00	45.65 -3.90 0.00	46.70 -3.52 0.00	46.93 -4.11 0.55	43.58 -4.92 6.33	64.32 -11.18 36.56	25.05 -6.57 32.12	32.60 -6.29 19.00	20.44 -6.28 31.48	30.03 -7.04 26.52	23.53 -5.96 23.34	28.85 -5.73 19.17	11.23 -4.43 26.29
DUNKIRK___4 23566	52.20 -2.50 0.00	54.05 -2.50 0.00	45.52 -3.05 0.00	52.90 -3.22 0.00	50.41 -3.60 0.00	49.62 -3.45 0.00	49.58 -3.98 0.00	48.63 -5.19 0.20	31.84 -3.51 1.13	39.35 -3.54 0.00	40.74 -3.63 0.00	40.22 -3.19 0.00	45.65 -3.90 0.00	46.70 -3.52 0.00	46.93 -4.11 0.55	43.58 -4.92 6.33	64.32 -11.18 36.56	25.05 -6.57 32.12	32.60 -6.29 19.00	20.44 -6.28 31.48	30.03 -7.04 26.52	23.53 -5.96 23.34	28.85 -5.73 19.17	11.23 -4.43 26.29
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	56.09 1.40 0.00	57.87 1.32 0.00	49.96 1.39 0.00	57.70 1.57 0.00	55.52 1.52 0.00	54.65 1.57 0.00	55.26 1.70 0.00	55.94 1.91 0.00	37.92 1.45 0.00	44.67 1.78 0.00	46.30 1.93 0.00	45.19 1.77 0.00	51.46 1.90 0.00	52.21 1.99 0.00	53.34 1.75 0.00	56.60 1.77 0.00	116.00 3.94 0.00	66.41 2.67 0.00	60.25 2.37 0.00	60.52 2.33 0.00	66.21 2.62 0.00	55.08 2.25 0.00	56.08 2.34 0.00	43.91 1.95 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	56.01 1.31 0.00	57.83 1.28 0.00	49.87 1.29 0.00	57.62 1.50 0.00	55.45 1.44 0.00	54.58 1.51 0.00	55.19 1.63 0.00	55.85 1.83 0.00	37.80 1.33 0.00	44.46 1.58 0.00	46.04 1.67 0.00	44.93 1.52 0.00	51.25 1.70 0.00	51.96 1.74 0.00	53.13 1.54 0.00	56.55 1.72 0.00	115.99 3.92 0.00	66.32 2.58 0.00	60.20 2.31 0.00	60.47 2.27 0.00	66.09 2.50 0.00	54.92 2.10 0.00	55.92 2.17 0.00	43.76 1.80 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	55.99 1.29 0.00	57.73 1.18 0.00	49.92 1.34 0.00	57.55 1.43 0.00	55.42 1.41 0.00	54.54 1.46 0.00	55.19 1.63 0.00	55.97 1.95 0.00	37.97 1.50 0.00	44.70 1.81 0.00	46.32 1.95 0.00	45.23 1.81 0.00	51.45 1.89 0.00	52.15 1.94 0.00	53.26 1.67 0.00	56.46 1.63 0.00	115.66 3.60 0.00	66.34 2.60 0.00	60.11 2.22 0.00	60.39 2.19 0.00	66.12 2.53 0.00	55.02 2.19 0.00	56.00 2.26 0.00	43.86 1.91 0.00



E179THST_13_KV_LOAD 356214	56.21 1.52 0.00	57.96 1.41 0.00	50.11 1.54 0.00	57.76 1.64 0.00	55.62 1.61 0.00	54.74 1.67 0.00	55.39 1.83 0.00	56.18 2.16 0.00	38.12 1.65 0.00	44.88 2.00 0.00	46.52 2.15 0.00	45.42 2.01 0.00	51.68 2.12 0.00	52.40 2.18 0.00	53.51 1.92 0.00	56.72 1.89 0.00	116.21 4.15 0.00	66.65 2.91 0.00	60.39 2.51 0.00	60.66 2.47 0.00	66.43 2.84 0.00	55.26 2.43 0.00	56.25 2.50 0.00	44.04 2.08 0.00
EAST HAMPTON___GT 23717	54.06 -0.04 0.60	56.20 -0.36 -0.01	49.01 0.43 0.00	56.67 0.55 0.00	54.99 0.98 0.00	54.94 1.87 0.00	62.33 1.59 -7.18	63.40 2.06 -7.32	41.51 1.89 -3.14	49.09 2.88 -3.33	47.38 3.01 0.00	45.87 2.46 0.00	54.31 1.82 -2.94	56.77 1.99 -4.56	58.15 1.97 -4.59	57.09 2.17 -0.10	133.71 6.36 -15.29	76.74 4.32 -8.68	67.75 4.45 -5.41	66.85 3.79 -4.87	67.44 1.58 -2.27	58.85 1.32 -4.71	61.36 3.02 -4.60	43.44 1.49 0.00
EAST RIVER___6 23660	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.78 1.66 0.00	55.60 1.59 0.00	54.68 1.61 0.00	55.28 1.72 0.00	56.03 2.00 0.00	38.01 1.53 0.00	44.80 1.91 0.00	46.47 2.10 0.00	45.37 1.96 0.00	51.72 2.17 0.00	52.45 2.23 0.00	53.56 1.97 0.00	56.79 1.96 0.00	116.38 4.32 0.00	66.71 2.97 0.00	60.42 2.53 0.00	60.70 2.50 0.00	66.40 2.81 0.00	55.27 2.44 0.00	56.35 2.60 0.00	44.15 2.20 0.00
EAST RIVER___7 23524	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.78 1.66 0.00	55.60 1.59 0.00	54.68 1.61 0.00	55.28 1.72 0.00	56.03 2.00 0.00	38.01 1.53 0.00	44.80 1.91 0.00	46.47 2.10 0.00	45.37 1.96 0.00	51.72 2.17 0.00	52.45 2.23 0.00	53.56 1.97 0.00	56.79 1.96 0.00	116.38 4.32 0.00	66.71 2.97 0.00	60.42 2.53 0.00	60.70 2.50 0.00	66.40 2.81 0.00	55.27 2.44 0.00	56.35 2.60 0.00	44.15 2.20 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	55.93 1.24 0.00	57.72 1.16 0.00	49.82 1.25 0.00	57.55 1.42 0.00	55.37 1.36 0.00	54.51 1.43 0.00	55.12 1.56 0.00	55.81 1.78 0.00	37.80 1.33 0.00	44.51 1.62 0.00	46.12 1.75 0.00	45.02 1.61 0.00	51.29 1.74 0.00	52.01 1.79 0.00	53.16 1.58 0.00	56.45 1.63 0.00	115.76 3.69 0.00	66.26 2.52 0.00	60.10 2.22 0.00	60.38 2.19 0.00	66.08 2.49 0.00	54.98 2.15 0.00	55.97 2.22 0.00	43.82 1.86 0.00
EAST_HAMPTON___DIESEL 23722	53.87 -0.23 0.60	56.02 -0.54 -0.01	48.87 0.29 0.00	56.54 0.41 0.00	54.84 0.83 0.00	54.86 1.78 0.00	62.26 1.52 -7.18	63.34 2.00 -7.32	41.47 1.85 -3.14	49.07 2.86 -3.33	47.38 3.01 0.00	45.85 2.44 0.00	54.28 1.79 -2.94	56.73 1.95 -4.56	58.10 1.92 -4.59	57.03 2.10 -0.10	133.61 6.26 -15.29	76.68 4.26 -8.68	67.73 4.43 -5.41	66.80 3.73 -4.87	67.25 1.40 -2.27	58.71 1.18 -4.71	61.28 2.93 -4.60	43.35 1.39 0.00
EAST_POINT___SOLAR 323840	56.33 1.64 0.00	58.22 1.66 0.00	50.01 1.43 0.00	57.74 1.62 0.00	55.57 1.57 0.00	54.71 1.63 0.00	55.17 1.61 0.00	55.24 1.21 0.00	36.40 -0.07 0.00	42.53 -0.35 0.00	44.11 -0.26 0.00	43.55 0.14 0.00	50.27 0.71 0.00	50.42 0.20 0.00	52.20 0.61 0.00	56.22 1.39 0.00	115.22 3.16 0.00	65.46 1.72 0.00	59.52 1.64 0.00	59.78 1.58 0.00	65.17 1.59 0.00	54.13 1.31 0.00	55.02 1.28 0.00	42.88 0.92 0.00
EAST_PULASKI___ESR 323781	53.61 -1.09 0.00	55.35 -1.21 0.00	47.46 -1.12 0.00	54.85 -1.28 0.00	52.75 -1.26 0.00	51.91 -1.16 0.00	52.44 -1.12 0.00	52.81 -1.21 0.00	35.62 -0.86 0.00	41.95 -0.94 0.00	43.43 -0.94 0.00	42.43 -0.99 0.00	48.46 -1.09 0.00	49.09 -1.13 0.00	50.37 -1.22 0.00	53.45 -1.37 0.00	109.37 -2.69 0.00	62.00 -1.74 0.00	56.16 -1.73 0.00	56.40 -1.80 0.00	61.47 -2.12 0.00	51.04 -1.79 0.00	51.95 -1.80 0.00	40.41 -1.55 0.00
EAST_RIVER___1 323558	56.18 1.48 0.00	57.92 1.37 0.00	50.04 1.46 0.00	57.76 1.64 0.00	55.58 1.58 0.00	54.69 1.62 0.00	55.32 1.76 0.00	56.05 2.03 0.00	38.03 1.55 0.00	44.80 1.92 0.00	46.46 2.09 0.00	45.35 1.93 0.00	51.66 2.11 0.00	52.40 2.18 0.00	53.50 1.91 0.00	56.72 1.89 0.00	116.22 4.16 0.00	66.59 2.85 0.00	60.34 2.46 0.00	60.62 2.43 0.00	66.34 2.75 0.00	55.22 2.39 0.00	56.28 2.53 0.00	44.09 2.13 0.00
EAST_RIVER___2 323559	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.78 1.66 0.00	55.60 1.59 0.00	54.68 1.61 0.00	55.28 1.72 0.00	56.03 2.00 0.00	38.01 1.53 0.00	44.80 1.91 0.00	46.47 2.10 0.00	45.37 1.96 0.00	51.72 2.17 0.00	52.45 2.23 0.00	53.56 1.97 0.00	56.79 1.96 0.00	116.38 4.32 0.00	66.71 2.97 0.00	60.42 2.53 0.00	60.70 2.50 0.00	66.40 2.81 0.00	55.27 2.44 0.00	56.35 2.60 0.00	44.15 2.20 0.00
EAST___DELAWARE_HYD 23607	55.44 0.75 0.00	57.27 0.72 0.00	49.35 0.77 0.00	57.02 0.90 0.00	54.90 0.89 0.00	54.09 1.02 0.00	54.68 1.12 0.00	55.33 1.31 0.00	37.43 0.96 0.00	44.01 1.12 0.00	45.59 1.22 0.00	44.40 0.99 0.00	50.74 1.19 0.00	51.34 1.12 0.00	52.44 0.85 0.00	56.04 1.21 0.00	115.06 2.99 0.00	65.77 2.03 0.00	59.71 1.83 0.00	59.99 1.80 0.00	65.54 1.95 0.00	54.43 1.60 0.00	55.36 1.61 0.00	43.25 1.30 0.00
EIGHT_POINT___WT_PWR 323820	52.92 -1.77 0.00	54.96 -1.60 0.00	46.45 -2.13 0.00	54.05 -2.08 0.00	51.51 -2.49 0.00	50.71 -2.36 0.00	50.79 -2.78 0.00	49.56 -3.97 0.50	30.64 -3.02 2.81	39.52 -3.36 0.00	40.86 -3.51 0.00	40.20 -3.21 0.00	45.26 -4.29 0.00	45.99 -4.23 0.00	45.34 -4.87 1.38	33.02 -6.12 15.69	12.26 -10.74 89.05	-19.38 -6.24 76.87	3.45 -6.91 47.54	-22.10 -6.77 73.53	-8.87 -7.55 64.91	-11.56 -6.31 58.08	-1.12 -6.90 47.97	-28.67 -4.83 65.80
ELBRIDGE_115KV_TB2 80188	53.69 -1.01 0.00	55.44 -1.11 0.00	47.50 -1.08 0.00	54.97 -1.15 0.00	52.78 -1.22 0.00	52.00 -1.07 0.00	52.43 -1.13 0.00	52.84 -1.22 -0.04	35.84 -0.84 -0.20	41.96 -0.93 0.00	43.42 -0.95 0.00	42.49 -0.93 0.00	48.45 -1.11 0.00	49.24 -0.98 0.00	50.71 -0.98 -0.10	54.84 -1.12 -1.13	116.14 -2.30 -6.38	67.38 -1.33 -4.98	59.23 -1.23 -2.58	61.76 -1.32 -4.89	65.88 -1.48 -3.77	54.76 -1.27 -3.20	54.97 -1.38 -2.60	44.55 -0.97 -3.57
ELEC_TRO_TEK 24086	62.59 1.55 -6.35	57.74 1.18 -0.01	49.95 1.37 0.00	57.62 1.50 0.00	55.46 1.45 0.00	54.60 1.51 -0.01	54.88 1.32 0.00	55.60 1.58 0.00	37.79 1.32 0.00	44.69 1.81 0.00	46.38 2.00 0.00	45.14 1.72 -0.01	51.15 1.59 0.00	52.08 1.87 0.00	53.04 1.45 0.00	56.39 1.56 0.00	115.73 3.67 0.00	69.22 2.56 -2.92	60.24 2.35 0.00	60.51 2.32 0.00	66.00 2.41 0.00	54.95 2.12 0.00	56.08 2.33 0.00	43.85 1.89 0.00
ELLENBURG_WT_PWR 323604	56.30 1.60 0.00	58.16 1.60 0.00	49.83 1.25 0.00	57.58 1.45 0.00	55.39 1.38 0.00	54.43 1.35 0.00	54.93 1.37 0.00	55.31 1.28 0.00	37.32 0.85 0.00	43.99 1.10 0.00	45.54 1.18 0.00	44.66 1.25 0.00	51.00 1.45 0.00	51.63 1.41 0.00	53.02 1.43 0.00	55.99 1.16 0.00	114.18 2.12 0.00	65.16 1.42 0.00	58.87 0.99 0.00	59.17 0.98 0.00	64.99 1.40 0.00	53.83 1.00 0.00	54.82 1.07 0.00	42.71 0.75 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	52.12 -2.58 0.00	53.63 -2.92 0.00	45.25 -3.33 0.00	52.53 -3.60 0.00	50.14 -3.87 0.00	49.38 -3.70 0.00	49.37 -4.19 0.00	48.58 -5.26 0.18	31.95 -3.49 1.03	39.47 -3.42 0.00	40.89 -3.47 0.00	40.33 -3.08 0.00	45.82 -3.73 0.00	46.83 -3.39 0.00	47.13 -3.96 0.51	44.31 -4.74 5.78	67.91 -10.76 33.39	27.90 -6.27 29.57	34.17 -6.25 17.46	23.00 -6.11 29.08	32.19 -6.99 24.41	25.52 -5.85 21.46	30.54 -5.59 17.62	13.60 -4.20 24.17
EMPIRE_CC_1 323656	54.16 -0.53 0.00	56.11 -0.45 0.00	48.42 -0.15 0.00	55.83 -0.30 0.00	53.88 -0.13 0.00	52.83 -0.25 0.00	53.44 -0.13 0.00	54.13 0.11 0.00	36.59 0.11 0.00	42.63 -0.26 0.00	43.93 -0.44 0.00	42.77 -0.65 0.00	48.93 -0.62 0.00	49.52 -0.70 0.00	51.18 -0.41 0.00	54.82 -0.01 0.00	112.30 0.24 0.00	64.03 0.29 0.00	58.49 0.60 0.00	58.80 0.60 0.00	64.23 0.64 0.00	53.43 0.60 0.00	54.31 0.56 0.00	42.72 0.76 0.00
EMPIRE_CC_2 323658	54.16 -0.53 0.00	56.11 -0.45 0.00	48.42 -0.15 0.00	55.83 -0.30 0.00	53.88 -0.13 0.00	52.83 -0.25 0.00	53.44 -0.13 0.00	54.13 0.11 0.00	36.59 0.11 0.00	42.63 -0.26 0.00	43.93 -0.44 0.00	42.77 -0.65 0.00	48.93 -0.62 0.00	49.52 -0.70 0.00	51.18 -0.41 0.00	54.82 -0.01 0.00	112.30 0.24 0.00	64.03 0.29 0.00	58.49 0.60 0.00	58.80 0.60 0.00	64.23 0.64 0.00	53.43 0.60 0.00	54.31 0.56 0.00	42.72 0.76 0.00
ENORWICH_115KV_TB1 80156	57.17 2.48 0.00	59.33 2.77 0.00	50.92 2.34 0.00	58.94 2.82 0.00	56.67 2.67 0.00	55.95 2.88 0.00	56.67 3.11 0.00	57.34 3.07 -0.24	39.75 1.90 -1.37	44.83 1.94 0.00	46.10 1.73 0.00	45.29 1.88 0.00	51.33 1.78 0.00	52.03 1.81 0.00	54.39 2.13 -0.67	64.36 1.87 -7.67	158.79 3.51 -43.22	100.82 1.84 -35.24	80.81 2.51 -20.41	93.96 1.94 -33.83	93.63 1.55 -28.48	78.87 0.96 -25.08	75.14 0.79 -20.60	70.90 0.69 -28.26
ERIE_ST__34_KV_TB1-2 80199	52.40 -2.30 0.00	53.98 -2.58 0.00	45.54 -3.04 0.00	52.89 -3.24 0.00	50.46 -3.54 0.00	49.71 -3.43 0.00	49.78 -3.78 0.00	49.07 -4.75 0.20	32.20 -3.14 1.14	39.83 -3.06 0.00	41.29 -3.07 0.00	40.76 -2.66 0.00	46.25 -3.51 0.00	47.22 -3.20 0.00	47.51 -3.53 0.56	44.21 -4.27 6.35	66.05 -9.51 36.50	26.13 -5.54 32.07	33.33 -5.52 19.02	21.61 -5.19 31.40	31.08 -5.99 26.51	24.43 -5.03 23.36	29.79 -4.76 19.19	11.99 -3.64 26.33
ERIE_WT_PWR 323693	52.38 -2.31 0.00	53.93 -2.62 0.00	45.49 -3.08 0.00	52.81 -3.31 0.00	50.41 -3.60 0.00	49.65 -3.43 0.00	49.63 -3.93 0.00	48.89 -4.94 0.20	32.07 -3.28 1.12	39.71 -3.18 0.00	41.10 -3.27 0.00	40.56 -2.86 0.00	46.04 -3.51 0.00	47.02 -3.20 0.00	47.28 -3.76 0.55	43.97 -4.58 6.28	65.65 -10.29 36.12	25.79 -6.12 31.84	32.82 -6.11 18.95	21.09 -5.95 31.16	30.43 -6.78 26.38	23.84 -5.73 23.26	29.20 -5.43 19.12	11.65 -4.08 26.22
ESPRGFLD_115KV_TB1 80157	55.37 0.67 0.00	57.27 0.71 0.00	49.18 0.60 0.00	56.83 0.70 0.00	54.63 0.62 0.00	53.74 0.66 0.00	54.17 0.61 0.00	54.51 0.49 0.00	36.74 0.27 0.00	43.39 0.50 0.00	45.09 0.72 0.00	44.08 0.66 0.00	50.26 0.71 0.00	50.90 0.68 0.00	52.26 0.67 0.00	55.16 0.33 0.00	112.22 0.16 0.00	63.64 -0.10 0.00	57.91 0.03 0.00	58.21 0.01 0.00	63.44 -0.15 0.00	52.65 -0.18 0.00	53.57 -0.18 0.00	41.80 -0.16 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	54.97 0.27 0.00	56.85 0.30 0.00	48.72 0.14 0.00	56.35 0.22 0.00	54.14 0.13 0.00	53.32 0.25 0.00	53.83 0.27 0.00	54.81 0.19 -0.59	39.89 0.06 -3.36	42.78 -0.11 0.00	44.32 -0.05 0.00	43.35 -0.06 0.00	49.35 -0.20 0.00	50.30 0.08 0.00	53.47 0.24 -1.65	73.80 0.16 -18.81	218.72 0.47 -106.19	149.35 0.22 -85.39	105.83 0.27 -47.67	141.01 0.15 -82.67	131.12 0.00 -67.52	111.50 -0.11 -58.77	101.66 -0.21 -48.12	107.85 -0.11 -66.01
ETNA____115KV_TB2 80207	54.97 0.27 0.00	56.85 0.30 0.00	48.72 0.14 0.00	56.35 0.22 0.00	54.14 0.13 0.00	53.32 0.25 0.00	53.83 0.27 0.00	54.81 0.19 -0.59	39.89 0.06 -3.36	42.78 -0.11 0.00	44.32 -0.05 0.00	43.35 -0.06 0.00	49.35 -0.20 0.00	50.30 0.08 0.00	53.47 0.24 -1.65	73.80 0.16 -18.81	218.72 0.47 -106.19	149.35 0.22 -85.39	105.83 0.27 -47.67	141.01 0.15 -82.67	131.12 0.00 -67.52	111.50 -0.11 -58.77	101.66 -0.21 -48.12	107.85 -0.11 -66.01
EUCLID__115KV_TB2 356179	53.40 -1.29 0.00	55.13 -1.43 0.00	47.30 -1.28 0.00	54.65 -1.47 0.00	52.56 -1.45 0.00	51.71 -1.37 0.00	52.19 -1.38 0.00	52.56 -1.47 0.00	35.50 -0.97 0.00	41.78 -1.11 0.00	43.24 -1.13 0.00	42.32 -1.10 0.00	48.27 -1.28 0.00	49.02 -1.20 0.00	50.34 -1.25 0.00	53.48 -1.34 0.00	109.28 -2.79 0.00	62.12 -1.62 0.00	56.38 -1.50 0.00	56.62 -1.58 0.00	61.77 -1.82 0.00	51.28 -1.55 0.00	52.17 -1.58 0.00	40.78 -1.18 0.00
E_CANADA_CAP_HY 24051	55.07 0.38 0.00	56.90 0.34 0.00	48.87 0.29 0.00	56.43 0.30 0.00	54.29 0.28 0.00	53.39 0.31 0.00	53.72 0.16 0.00	53.99 -0.04 0.00	36.14 -0.33 0.00	42.59 -0.29 0.00	44.37 0.00 0.00	43.45 0.03 0.00	49.75 0.19 0.00	50.25 0.03 0.00	51.74 0.15 0.00	54.84 0.02 0.00	111.59 -0.47 0.00	63.22 -0.52 0.00	57.50 -0.39 0.00	57.79 -0.41 0.00	63.06 -0.53 0.00	52.47 -0.36 0.00	53.42 -0.33 0.00	41.69 -0.27 0.00
E_CANADA_MHWK_HY 24050	57.59 2.90 0.00	59.69 3.14 0.00	51.38 2.81 0.00	59.40 3.27 0.00	57.23 3.22 0.00	56.25 3.18 0.00	56.76 3.20 0.00	57.18 3.16 0.00	37.96 1.49 0.00	44.01 1.12 0.00	45.29 0.93 0.00	44.86 1.45 0.00	51.40 1.84 0.00	52.00 1.78 0.00	53.64 2.05 0.00	57.78 2.95 0.00	118.46 6.40 0.00	67.49 3.75 0.00	61.99 4.10 0.00	62.16 3.97 0.00	67.73 4.14 0.00	56.28 3.45 0.00	57.27 3.52 0.00	44.82 2.86 0.00
E_FISHKILL__LBMP 23776	55.64 0.94 0.00	57.47 0.91 0.00	49.59 1.01 0.00	57.26 1.14 0.00	55.12 1.11 0.00	54.22 1.15 0.00	54.81 1.25 0.00	55.49 1.47 0.00	37.57 1.09 0.00	44.20 1.31 0.00	45.77 1.41 0.00	44.70 1.28 0.00	50.94 1.39 0.00	51.64 1.42 0.00	52.84 1.25 0.00	56.15 1.32 0.00	115.06 3.00 0.00	65.80 2.07 0.00	59.74 1.86 0.00	60.03 1.83 0.00	65.64 2.05 0.00	54.60 1.77 0.00	55.59 1.84 0.00	43.52 1.56 0.00
FALCON__SEABRD_CC1 323796	56.75 2.05 0.00	58.61 2.06 0.00	50.21 1.63 0.00	58.02 1.90 0.00	55.82 1.81 0.00	54.85 1.78 0.00	55.37 1.81 0.00	55.74 1.72 0.00	37.61 1.14 0.00	44.32 1.43 0.00	45.90 1.53 0.00	45.00 1.58 0.00	51.39 1.84 0.00	52.02 1.81 0.00	53.43 1.84 0.00	56.45 1.62 0.00	115.08 3.02 0.00	65.76 2.02 0.00	59.36 1.48 0.00	59.64 1.45 0.00	65.51 1.92 0.00	54.23 1.40 0.00	55.24 1.49 0.00	43.04 1.09 0.00
FALCON__SEABRD_CC2 323797	56.75 2.05 0.00	58.61 2.06 0.00	50.21 1.63 0.00	58.02 1.90 0.00	55.82 1.81 0.00	54.85 1.78 0.00	55.37 1.81 0.00	55.74 1.72 0.00	37.61 1.14 0.00	44.32 1.43 0.00	45.90 1.53 0.00	45.00 1.58 0.00	51.39 1.84 0.00	52.02 1.81 0.00	53.43 1.84 0.00	56.45 1.62 0.00	115.08 3.02 0.00	65.76 2.02 0.00	59.36 1.48 0.00	59.64 1.45 0.00	65.51 1.92 0.00	54.23 1.40 0.00	55.24 1.49 0.00	43.04 1.09 0.00



FAR ROCKAWAY___4 23548	74.37 2.52 -17.15	58.75 2.17 -0.02	50.77 2.19 0.00	58.57 2.45 0.00	56.38 2.37 0.00	55.53 2.43 -0.03	55.33 1.77 0.00	55.82 1.79 0.00	37.92 1.45 0.00	44.92 2.03 0.00	46.61 2.23 -0.01	45.37 1.93 -0.03	51.37 1.81 0.00	52.37 2.15 0.00	53.28 1.69 0.00	56.73 1.90 0.00	116.48 4.42 0.00	69.46 3.00 -2.72	60.60 2.72 0.00	61.26 3.06 0.00	66.79 3.20 0.00	55.54 2.72 0.00	56.72 2.98 0.00	44.33 2.38 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	56.19 1.50 0.00	57.94 1.38 0.00	50.05 1.47 0.00	57.78 1.66 0.00	55.60 1.60 0.00	54.72 1.65 0.00	55.37 1.81 0.00	56.09 2.07 0.00	38.05 1.57 0.00	44.83 1.95 0.00	46.49 2.12 0.00	45.38 1.96 0.00	51.70 2.14 0.00	52.42 2.21 0.00	53.52 1.94 0.00	56.74 1.91 0.00	116.19 4.13 0.00	66.59 2.85 0.00	60.36 2.48 0.00	60.63 2.44 0.00	66.35 2.76 0.00	55.23 2.40 0.00	56.27 2.52 0.00	44.08 2.12 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	56.20 1.51 0.00	57.95 1.39 0.00	50.06 1.48 0.00	57.79 1.67 0.00	55.60 1.60 0.00	54.73 1.66 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.06 1.58 0.00	44.84 1.95 0.00	46.49 2.12 0.00	45.38 1.96 0.00	51.70 2.15 0.00	52.42 2.21 0.00	53.53 1.94 0.00	56.74 1.92 0.00	116.25 4.18 0.00	66.60 2.86 0.00	60.38 2.49 0.00	60.64 2.45 0.00	66.39 2.80 0.00	55.24 2.41 0.00	56.29 2.54 0.00	44.08 2.13 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	56.15 1.45 0.00	57.92 1.36 0.00	50.02 1.45 0.00	57.76 1.63 0.00	55.57 1.56 0.00	54.70 1.62 0.00	55.33 1.77 0.00	56.06 2.04 0.00	38.04 1.56 0.00	44.80 1.92 0.00	46.46 2.09 0.00	45.34 1.93 0.00	51.65 2.10 0.00	52.38 2.17 0.00	53.49 1.90 0.00	56.69 1.87 0.00	116.16 4.10 0.00	66.55 2.81 0.00	60.32 2.43 0.00	60.59 2.40 0.00	66.33 2.74 0.00	55.19 2.36 0.00	56.23 2.48 0.00	44.05 2.09 0.00
FARRAGUT___LBMP 323566	56.13 1.43 0.00	57.86 1.31 0.00	50.00 1.42 0.00	57.72 1.60 0.00	55.55 1.54 0.00	54.66 1.59 0.00	55.31 1.75 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.78 1.89 0.00	46.43 2.06 0.00	45.32 1.91 0.00	51.62 2.07 0.00	52.36 2.14 0.00	53.45 1.86 0.00	56.64 1.81 0.00	116.04 3.98 0.00	66.51 2.77 0.00	60.27 2.39 0.00	60.55 2.36 0.00	66.27 2.69 0.00	55.17 2.34 0.00	56.21 2.47 0.00	44.02 2.06 0.00
FENNER___WINDPWR 24204	55.38 0.68 0.00	57.28 0.73 0.00	49.19 0.62 0.00	56.84 0.72 0.00	54.69 0.68 0.00	53.83 0.75 0.00	54.39 0.83 0.00	54.95 0.81 -0.12	37.65 0.51 -0.66	43.43 0.54 0.00	44.93 0.56 0.00	44.02 0.60 0.00	50.12 0.56 0.00	50.78 0.57 0.00	52.57 0.65 -0.33	59.25 0.72 -3.71	134.64 1.64 -20.94	81.50 0.88 -16.89	68.09 0.70 -9.50	75.08 0.57 -16.32	77.53 0.53 -13.42	64.91 0.37 -11.71	63.66 0.32 -9.59	55.30 0.19 -13.16
FIBERTEK___ENERGY 23856	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
FITZPATRICK___ 23598	52.79 -1.91 0.00	54.48 -2.07 0.00	46.76 -1.82 0.00	54.01 -2.11 0.00	51.95 -2.06 0.00	51.11 -1.96 0.00	51.56 -2.00 0.00	51.95 -2.08 0.00	35.10 -1.38 0.00	41.27 -1.61 0.00	42.72 -1.65 0.00	41.82 -1.60 0.00	47.71 -1.85 0.00	48.42 -1.80 0.00	49.73 -1.86 0.00	52.83 -2.00 0.00	107.89 -4.17 0.00	61.36 -2.38 0.00	55.69 -2.19 0.00	55.95 -2.25 0.00	61.06 -2.53 0.00	50.72 -2.11 0.00	51.58 -2.17 0.00	40.35 -1.61 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	56.36 1.67 0.00	58.19 1.64 0.00	50.19 1.62 0.00	57.98 1.85 0.00	55.81 1.80 0.00	54.93 1.85 0.00	55.56 2.00 0.00	56.23 2.21 0.00	38.06 1.59 0.00	44.78 1.89 0.00	46.39 2.02 0.00	45.27 1.86 0.00	51.65 2.09 0.00	52.35 2.14 0.00	53.56 1.98 0.00	57.00 2.17 0.00	116.86 4.80 0.00	66.83 3.09 0.00	60.66 2.77 0.00	60.93 2.74 0.00	66.58 2.99 0.00	55.35 2.52 0.00	56.32 2.57 0.00	44.05 2.09 0.00
FORT ORANGE___ 23900	54.45 -0.25 0.00	56.37 -0.18 0.00	48.60 0.02 0.00	56.08 -0.04 0.00	54.08 0.08 0.00	53.06 -0.01 0.00	53.67 0.11 0.00	54.33 0.31 0.00	36.73 0.25 0.00	42.77 -0.11 0.00	44.11 -0.26 0.00	43.09 -0.32 0.00	49.29 -0.26 0.00	49.88 -0.34 0.00	51.41 -0.18 0.00	54.97 0.14 0.00	112.92 0.87 0.00	64.38 0.64 0.00	58.67 0.78 0.00	58.98 0.78 0.00	64.39 0.81 0.00	53.56 0.73 0.00	54.39 0.64 0.00	42.68 0.72 0.00
FORT_DRUM_COGEN 23780	55.72 1.02 0.00	57.53 0.97 0.00	49.23 0.65 0.00	56.97 0.85 0.00	54.84 0.83 0.00	54.01 0.94 0.00	54.66 1.10 0.00	55.00 0.97 0.00	36.96 0.48 0.00	43.49 0.60 0.00	44.95 0.58 0.00	43.85 0.43 0.00	50.32 0.77 0.00	50.77 0.55 0.00	51.79 0.20 0.00	54.71 -0.11 0.00	112.54 0.48 0.00	63.31 -0.43 0.00	57.15 -0.73 0.00	57.38 -0.81 0.00	62.38 -1.22 0.00	51.87 -0.96 0.00	52.95 -0.80 0.00	40.61 -1.34 0.00
FOX_HILLS___ESR 323835	56.09 1.39 0.00	57.81 1.26 0.00	50.13 1.55 0.00	57.75 1.62 0.00	55.58 1.57 0.00	54.73 1.66 0.00	55.39 1.83 0.00	56.08 2.05 0.00	38.08 1.61 0.00	44.84 1.95 0.00	46.41 2.04 0.00	45.32 1.90 0.00	51.61 2.05 0.00	52.32 2.10 0.00	53.34 1.75 0.00	56.60 1.77 0.00	115.73 3.67 0.00	66.48 2.74 0.00	60.20 2.32 0.00	60.47 2.28 0.00	66.16 2.57 0.00	55.12 2.29 0.00	56.23 2.48 0.00	44.11 2.15 0.00
FPL_FAR_ROCK_GT1 24212	74.35 2.50 -17.15	58.75 2.17 -0.02	50.77 2.19 0.00	58.58 2.45 0.00	56.38 2.37 0.00	55.53 2.43 -0.03	55.33 1.77 0.00	55.81 1.79 0.00	37.92 1.45 0.00	44.92 2.03 0.00	46.61 2.23 -0.01	45.37 1.93 -0.03	51.37 1.81 0.00	52.37 2.15 0.00	53.28 1.69 0.00	56.72 1.90 0.00	116.50 4.43 0.00	69.48 3.02 -2.72	60.60 2.71 0.00	61.26 3.07 0.00	66.78 3.19 0.00	55.55 2.72 0.00	56.73 2.98 0.00	44.33 2.37 0.00
FPL_FAR_ROCK_GT2 23815	74.35 2.50 -17.15	58.75 2.17 -0.02	50.77 2.19 0.00	58.58 2.45 0.00	56.38 2.37 0.00	55.53 2.43 -0.03	55.33 1.77 0.00	55.81 1.79 0.00	37.92 1.45 0.00	44.92 2.03 0.00	46.61 2.23 -0.01	45.37 1.93 -0.03	51.37 1.81 0.00	52.37 2.15 0.00	53.28 1.69 0.00	56.72 1.90 0.00	116.50 4.43 0.00	69.48 3.02 -2.72	60.60 2.71 0.00	61.26 3.07 0.00	66.78 3.19 0.00	55.55 2.72 0.00	56.73 2.98 0.00	44.33 2.37 0.00
FRANKLIN_FALL_HYD 24054	57.30 2.60 0.00	59.15 2.60 0.00	50.65 2.07 0.00	58.52 2.39 0.00	56.31 2.30 0.00	55.33 2.26 0.00	55.88 2.32 0.00	56.27 2.25 0.00	37.98 1.51 0.00	44.77 1.89 0.00	46.35 1.98 0.00	45.47 2.05 0.00	51.93 2.38 0.00	52.58 2.36 0.00	54.02 2.43 0.00	57.00 2.17 0.00	116.05 3.98 0.00	66.33 2.60 0.00	59.80 1.92 0.00	60.12 1.92 0.00	66.08 2.49 0.00	54.74 1.91 0.00	55.74 1.99 0.00	43.34 1.38 0.00



FREEPORT_EQUS_GT1 23764	62.06 1.78 -5.59	57.99 1.42 -0.01	50.15 1.57 0.00	57.84 1.72 0.00	55.68 1.67 0.00	54.81 1.73 -0.01	55.09 1.52 0.00	55.78 1.76 0.00	37.93 1.45 0.00	44.88 1.99 0.00	46.56 2.19 0.00	45.29 1.86 -0.01	51.30 1.75 0.00	52.30 2.08 0.00	53.21 1.62 0.00	56.62 1.79 0.00	116.04 3.97 0.00	68.69 2.74 -2.21	60.63 2.75 0.00	60.87 2.68 0.00	66.34 2.75 0.00	55.23 2.40 0.00	56.39 2.64 0.00	44.05 2.10 0.00
FREEPORT___CT2 23818	62.06 1.78 -5.59	57.99 1.42 -0.01	50.15 1.57 0.00	57.84 1.72 0.00	55.68 1.67 0.00	54.81 1.73 -0.01	55.09 1.52 0.00	55.78 1.76 0.00	37.93 1.45 0.00	44.88 1.99 0.00	46.56 2.19 0.00	45.29 1.86 -0.01	51.30 1.75 0.00	52.30 2.08 0.00	53.21 1.62 0.00	56.62 1.79 0.00	116.04 3.97 0.00	68.69 2.74 -2.21	60.63 2.75 0.00	60.87 2.68 0.00	66.34 2.75 0.00	55.23 2.40 0.00	56.39 2.64 0.00	44.05 2.10 0.00
FRESHKLS_33_KV_LOAD 356253	56.14 1.45 0.00	57.88 1.32 0.00	50.26 1.68 0.00	57.86 1.74 0.00	55.70 1.69 0.00	54.87 1.80 0.00	55.54 1.98 0.00	56.15 2.13 0.00	38.14 1.66 0.00	44.89 2.00 0.00	46.42 2.05 0.00	45.33 1.92 0.00	51.62 2.07 0.00	52.35 2.13 0.00	53.34 1.75 0.00	56.65 1.82 0.00	115.72 3.66 0.00	66.52 2.78 0.00	60.24 2.36 0.00	60.47 2.27 0.00	66.12 2.53 0.00	55.11 2.28 0.00	56.27 2.52 0.00	44.18 2.22 0.00
FULTON COGEN____ 23766	52.91 -1.79 0.00	54.60 -1.95 0.00	46.87 -1.71 0.00	54.13 -1.99 0.00	52.08 -1.93 0.00	51.25 -1.82 0.00	51.75 -1.81 0.00	52.14 -1.89 0.00	35.23 -1.25 0.00	41.41 -1.47 0.00	42.89 -1.48 0.00	41.95 -1.47 0.00	47.86 -1.70 0.00	48.58 -1.64 0.00	49.91 -1.67 0.00	53.06 -1.76 0.00	108.47 -3.60 0.00	61.66 -2.08 0.00	55.98 -1.90 0.00	56.23 -1.96 0.00	61.33 -2.26 0.00	50.91 -1.91 0.00	51.75 -2.00 0.00	40.47 -1.49 0.00
FULTON___LFGE 323630	55.98 1.29 0.00	57.86 1.31 0.00	49.70 1.12 0.00	57.40 1.28 0.00	55.25 1.25 0.00	54.33 1.26 0.00	54.83 1.27 0.00	55.12 1.10 0.00	36.60 0.12 0.00	42.82 -0.07 0.00	44.33 -0.04 0.00	43.75 0.33 0.00	50.23 0.68 0.00	50.71 0.49 0.00	52.34 0.75 0.00	55.98 1.15 0.00	114.67 2.61 0.00	65.12 1.38 0.00	59.20 1.32 0.00	59.48 1.28 0.00	64.91 1.33 0.00	53.94 1.11 0.00	54.83 1.08 0.00	42.78 0.82 0.00
G.F.CEMENT___DRP 24184	57.23 2.54 0.00	59.36 2.81 0.00	51.09 2.51 0.00	58.99 2.87 0.00	56.95 2.94 0.00	55.94 2.87 0.00	56.81 3.25 0.00	57.64 3.61 0.00	38.65 2.17 0.00	44.62 1.73 0.00	45.88 1.51 0.00	45.05 1.63 0.00	51.79 2.24 0.00	52.34 2.12 0.00	54.33 2.74 0.00	58.40 3.57 0.00	119.83 7.77 0.00	68.07 4.33 0.00	62.09 4.21 0.00	62.34 4.15 0.00	67.90 4.31 0.00	56.37 3.54 0.00	57.27 3.52 0.00	44.68 2.72 0.00
GARDENVILLE___LBMP 24039	52.24 -2.45 0.00	53.79 -2.77 0.00	45.39 -3.19 0.00	52.70 -3.43 0.00	50.29 -3.71 0.00	49.53 -3.54 0.00	49.51 -4.05 0.00	48.69 -5.11 0.22	31.79 -3.42 1.26	39.49 -3.40 0.00	40.89 -3.48 0.00	40.34 -3.08 0.00	45.78 -3.77 0.00	46.69 -3.53 0.00	46.88 -4.09 0.62	42.85 -4.92 7.05	60.72 -10.86 40.48	21.56 -6.31 35.86	29.63 -6.38 21.87	17.19 -6.17 34.83	26.36 -7.08 30.14	20.09 -5.96 26.79	25.98 -5.70 22.07	7.41 -4.28 30.27
GARDNVLA_35_KV_LD 355827	52.53 -2.17 0.00	54.08 -2.48 0.00	45.60 -2.98 0.00	52.95 -3.18 0.00	50.53 -3.48 0.00	49.76 -3.31 0.00	49.79 -3.77 0.00	49.04 -4.79 0.19	32.20 -3.17 1.10	39.83 -3.06 0.00	41.25 -3.12 0.00	40.69 -2.72 0.00	46.20 -3.35 0.00	47.18 -3.04 0.00	47.46 -3.59 0.54	44.33 -4.37 6.13	66.87 -9.86 35.33	26.84 -5.80 31.10	33.63 -5.84 18.42	22.02 -5.69 30.49	31.37 -6.52 25.70	24.72 -5.49 22.62	29.93 -5.24 18.58	12.50 -3.97 25.49
GELCKHM___115KV_LOAD 80723	53.61 -1.09 0.00	55.36 -1.20 0.00	47.48 -1.10 0.00	54.88 -1.25 0.00	52.76 -1.25 0.00	51.91 -1.16 0.00	52.41 -1.16 0.00	52.78 -1.25 0.00	35.64 -0.84 0.00	41.92 -0.97 0.00	43.40 -0.97 0.00	42.48 -0.94 0.00	48.44 -1.12 0.00	49.19 -1.02 0.00	50.55 -1.04 0.00	53.71 -1.12 0.00	109.73 -2.33 0.00	62.40 -1.34 0.00	56.63 -1.25 0.00	56.86 -1.33 0.00	62.05 -1.54 0.00	51.51 -1.32 0.00	52.37 -1.38 0.00	40.95 -1.01 0.00
GENERAL___MILLS 23808	52.35 -2.35 0.00	53.91 -2.65 0.00	45.47 -3.11 0.00	52.79 -3.33 0.00	50.37 -3.63 0.00	49.63 -3.44 0.00	49.62 -3.94 0.00	48.85 -4.97 0.20	32.06 -3.29 1.12	39.67 -3.22 0.00	41.08 -3.28 0.00	40.54 -2.88 0.00	46.02 -3.53 0.00	47.00 -3.22 0.00	47.25 -3.79 0.55	43.97 -4.59 6.28	65.66 -10.28 36.12	25.90 -6.01 31.84	32.89 -6.04 18.95	21.18 -5.86 31.16	30.49 -6.71 26.38	23.93 -5.64 23.26	29.24 -5.39 19.12	11.68 -4.06 26.22
GE_PLASTICS___DRP 24183	54.49 -0.21 0.00	56.42 -0.13 0.00	48.63 0.05 0.00	56.12 -0.01 0.00	54.09 0.09 0.00	53.08 0.01 0.00	53.62 0.06 0.00	54.27 0.25 0.00	36.69 0.22 0.00	42.89 0.01 0.00	44.28 -0.09 0.00	43.24 -0.17 0.00	49.41 -0.15 0.00	50.01 -0.20 0.00	51.50 -0.09 0.00	54.99 0.16 0.00	112.63 0.57 0.00	64.15 0.41 0.00	58.46 0.57 0.00	58.77 0.58 0.00	64.21 0.62 0.00	53.39 0.56 0.00	54.28 0.53 0.00	42.56 0.60 0.00
GILBOA___1 23756	54.97 0.28 0.00	57.22 0.67 0.00	49.27 0.70 0.00	56.90 0.78 0.00	54.77 0.76 0.00	53.65 0.57 0.00	54.02 0.45 0.00	54.61 0.59 0.00	36.90 0.43 0.00	43.31 0.43 0.00	44.78 0.41 0.00	43.75 0.33 0.00	49.93 0.37 0.00	50.59 0.38 0.00	51.98 0.39 0.00	55.33 0.50 0.00	113.08 1.02 0.00	64.21 0.47 0.00	58.63 0.75 0.00	59.04 0.84 0.00	64.49 0.90 0.00	53.60 0.77 0.00	54.54 0.80 0.00	42.69 0.73 0.00
GILBOA___2 23757	54.97 0.28 0.00	57.22 0.67 0.00	49.27 0.70 0.00	56.90 0.78 0.00	54.77 0.76 0.00	53.65 0.57 0.00	54.02 0.45 0.00	54.61 0.59 0.00	36.90 0.43 0.00	43.31 0.43 0.00	44.78 0.41 0.00	43.75 0.33 0.00	49.93 0.37 0.00	50.59 0.38 0.00	51.98 0.39 0.00	55.33 0.50 0.00	113.08 1.02 0.00	64.21 0.47 0.00	58.63 0.75 0.00	59.04 0.84 0.00	64.49 0.90 0.00	53.60 0.77 0.00	54.54 0.80 0.00	42.69 0.73 0.00
GILBOA___3 23758	54.97 0.28 0.00	57.22 0.67 0.00	49.27 0.70 0.00	56.90 0.78 0.00	54.77 0.76 0.00	53.65 0.57 0.00	54.02 0.45 0.00	54.61 0.59 0.00	36.90 0.43 0.00	43.31 0.43 0.00	44.78 0.41 0.00	43.75 0.33 0.00	49.93 0.37 0.00	50.59 0.38 0.00	51.98 0.39 0.00	55.33 0.50 0.00	113.08 1.02 0.00	64.21 0.47 0.00	58.63 0.75 0.00	59.04 0.84 0.00	64.49 0.90 0.00	53.60 0.77 0.00	54.54 0.80 0.00	42.69 0.73 0.00
GILBOA___4 23759	54.97 0.28 0.00	57.22 0.67 0.00	49.27 0.70 0.00	56.90 0.78 0.00	54.77 0.76 0.00	53.65 0.57 0.00	54.02 0.45 0.00	54.61 0.59 0.00	36.90 0.43 0.00	43.31 0.43 0.00	44.78 0.41 0.00	43.75 0.33 0.00	49.93 0.37 0.00	50.59 0.38 0.00	51.98 0.39 0.00	55.33 0.50 0.00	113.08 1.02 0.00	64.21 0.47 0.00	58.63 0.75 0.00	59.04 0.84 0.00	64.49 0.90 0.00	53.60 0.77 0.00	54.54 0.80 0.00	42.69 0.73 0.00



GILBOA____ 23599	54.97 0.27 0.00	57.22 0.66 0.00	49.27 0.70 0.00	56.90 0.78 0.00	54.77 0.76 0.00	53.64 0.57 0.00	54.02 0.45 0.00	54.61 0.59 0.00	36.90 0.43 0.00	43.31 0.43 0.00	44.78 0.41 0.00	43.74 0.33 0.00	49.93 0.37 0.00	50.60 0.38 0.00	51.98 0.39 0.00	55.33 0.50 0.00	113.09 1.02 0.00	64.20 0.46 0.00	58.63 0.74 0.00	59.02 0.83 0.00	64.48 0.89 0.00	53.60 0.77 0.00	54.54 0.79 0.00	42.69 0.74 0.00
GINNA____ 23603	50.98 -3.72 0.00	52.41 -4.14 0.00	44.70 -3.88 0.00	51.72 -4.40 0.00	49.63 -4.38 0.00	48.92 -4.16 0.00	49.24 -4.32 0.00	49.19 -4.76 0.06	32.90 -3.22 0.35	39.52 -3.37 0.00	40.94 -3.43 0.00	40.20 -3.21 0.00	45.85 -3.70 0.00	46.74 -3.48 0.00	47.63 -3.79 0.17	48.63 -4.24 1.97	91.87 -9.14 11.05	48.79 -5.36 9.58	46.35 -5.22 6.32	43.98 -5.29 8.92	49.21 -5.98 8.40	40.06 -5.10 7.67	42.24 -5.13 6.37	29.29 -3.92 8.75
GLEN PARK____ 23778	55.77 1.08 0.00	57.58 1.03 0.00	49.27 0.69 0.00	57.02 0.90 0.00	54.89 0.88 0.00	54.08 1.01 0.00	54.76 1.20 0.00	55.09 1.06 0.00	37.02 0.54 0.00	43.56 0.68 0.00	44.97 0.60 0.00	43.88 0.46 0.00	50.37 0.81 0.00	50.85 0.63 0.00	51.88 0.30 0.00	54.88 0.05 0.00	113.00 0.94 0.00	63.59 -0.15 0.00	57.38 -0.51 0.00	57.60 -0.60 0.00	62.57 -1.02 0.00	52.02 -0.81 0.00	53.07 -0.68 0.00	40.69 -1.27 0.00
GLENDALE_27_KV_LOAD 356172	56.27 1.58 0.00	58.03 1.48 0.00	50.17 1.60 0.00	57.87 1.75 0.00	55.71 1.71 0.00	54.85 1.78 0.00	55.50 1.94 0.00	56.26 2.24 0.00	38.20 1.73 0.00	45.00 2.12 0.00	46.65 2.28 0.00	45.54 2.13 0.00	51.85 2.30 0.00	52.56 2.34 0.00	53.65 2.06 0.00	56.84 2.01 0.00	116.30 4.24 0.00	66.70 2.96 0.00	60.45 2.56 0.00	60.72 2.53 0.00	66.48 2.89 0.00	55.36 2.53 0.00	56.40 2.65 0.00	44.17 2.22 0.00
GLENWOOD_IC_1_G5 23712	59.30 1.69 -2.91	58.02 1.46 -0.01	50.13 1.55 0.00	57.86 1.73 0.00	55.68 1.67 0.00	54.81 1.74 -0.01	55.25 1.69 0.00	55.96 1.93 0.00	37.99 1.51 0.00	44.85 1.96 0.00	46.52 2.15 0.00	45.34 1.92 -0.01	51.48 1.92 0.00	52.34 2.12 0.00	53.38 1.79 0.00	56.71 1.88 0.00	116.35 4.29 0.00	69.48 2.89 -2.85	60.51 2.62 0.00	60.76 2.57 0.00	66.35 2.76 0.00	55.21 2.39 0.00	56.29 2.55 0.00	44.04 2.08 0.00
GLENWOOD_IC_2_G1 23688	56.16 1.46 0.00	57.84 1.29 0.00	49.98 1.40 0.00	57.69 1.56 0.00	55.52 1.52 0.00	54.64 1.57 0.00	55.13 1.57 0.00	55.82 1.80 0.00	37.88 1.41 0.00	44.68 1.80 0.00	46.33 1.96 0.00	45.17 1.76 0.00	51.35 1.79 0.00	52.16 1.95 0.00	53.23 1.64 0.00	56.53 1.71 0.00	115.98 3.92 0.00	66.53 2.68 -0.12	60.28 2.39 0.00	60.56 2.37 0.00	66.16 2.57 0.00	55.06 2.24 0.00	56.11 2.36 0.00	43.91 1.95 0.00
GLENWOOD_IC_3_G1 23689	56.16 1.46 0.00	57.84 1.29 0.00	49.98 1.40 0.00	57.69 1.56 0.00	55.52 1.52 0.00	54.64 1.57 0.00	55.13 1.57 0.00	55.82 1.80 0.00	37.88 1.41 0.00	44.68 1.80 0.00	46.33 1.96 0.00	45.17 1.76 0.00	51.35 1.79 0.00	52.16 1.95 0.00	53.23 1.64 0.00	56.53 1.71 0.00	115.98 3.92 0.00	66.53 2.68 -0.12	60.28 2.39 0.00	60.56 2.37 0.00	66.16 2.57 0.00	55.06 2.24 0.00	56.11 2.36 0.00	43.91 1.95 0.00
GLENWOOD____4 23550	59.30 1.69 -2.91	58.02 1.46 -0.01	50.13 1.55 0.00	57.86 1.73 0.00	55.68 1.67 0.00	54.81 1.74 -0.01	55.25 1.69 0.00	55.96 1.93 0.00	37.99 1.51 0.00	44.85 1.96 0.00	46.52 2.15 0.00	45.34 1.92 -0.01	51.48 1.92 0.00	52.34 2.12 0.00	53.38 1.79 0.00	56.71 1.88 0.00	116.35 4.29 0.00	69.48 2.89 -2.85	60.51 2.62 0.00	60.76 2.57 0.00	66.35 2.76 0.00	55.21 2.39 0.00	56.29 2.55 0.00	44.04 2.08 0.00
GLENWOOD____5 23614	59.30 1.69 -2.91	58.02 1.46 -0.01	50.13 1.55 0.00	57.86 1.73 0.00	55.68 1.67 0.00	54.81 1.74 -0.01	55.25 1.69 0.00	55.96 1.93 0.00	37.99 1.51 0.00	44.85 1.96 0.00	46.52 2.15 0.00	45.34 1.92 -0.01	51.48 1.92 0.00	52.34 2.12 0.00	53.38 1.79 0.00	56.71 1.88 0.00	116.35 4.29 0.00	69.48 2.89 -2.85	60.51 2.62 0.00	60.76 2.57 0.00	66.35 2.76 0.00	55.21 2.39 0.00	56.29 2.55 0.00	44.04 2.08 0.00
GLOBAL GREEN_PORT_GT1 23814	54.75 0.66 0.60	56.87 0.31 -0.01	49.50 0.92 0.00	57.21 1.08 0.00	55.40 1.39 0.00	55.19 2.12 0.00	62.55 1.82 -7.17	63.56 2.23 -7.31	41.58 1.97 -3.14	49.07 2.86 -3.32	47.37 3.00 0.00	45.87 2.45 0.00	54.37 1.88 -2.93	56.93 2.15 -4.56	58.27 2.09 -4.59	57.26 2.34 -0.10	133.92 6.58 -15.28	76.86 4.44 -8.68	67.73 4.44 -5.41	66.95 3.89 -4.87	68.05 2.19 -2.26	59.37 1.84 -4.70	61.56 3.22 -4.60	43.79 1.84 0.00
GLOBE____DSASP 323697	51.02 -3.67 0.00	52.34 -4.21 0.00	44.18 -4.40 0.00	51.25 -4.87 0.00	48.94 -5.07 0.00	48.21 -4.87 0.00	48.17 -5.39 0.00	47.44 -6.42 0.16	31.32 -4.22 0.93	38.63 -4.25 0.00	40.05 -4.32 0.00	39.50 -3.92 0.00	44.93 -4.63 0.00	45.93 -4.29 0.00	46.25 -4.89 0.46	43.94 -5.66 5.23	68.86 -12.94 30.26	29.40 -7.37 26.97	34.74 -7.27 15.87	24.46 -7.11 26.63	33.22 -8.13 22.23	26.54 -6.78 19.51	31.31 -6.43 16.01	15.21 -4.79 21.96
GOETHSLN____LBMP 323567	55.85 1.16 0.00	57.60 1.05 0.00	49.77 1.19 0.00	57.47 1.35 0.00	55.29 1.28 0.00	54.44 1.37 0.00	55.10 1.54 0.00	55.83 1.81 0.00	37.86 1.39 0.00	44.60 1.72 0.00	46.23 1.86 0.00	45.13 1.71 0.00	51.41 1.85 0.00	52.12 1.91 0.00	53.23 1.65 0.00	56.43 1.61 0.00	115.69 3.63 0.00	66.28 2.54 0.00	60.07 2.19 0.00	60.34 2.14 0.00	66.04 2.45 0.00	54.96 2.13 0.00	56.00 2.25 0.00	43.89 1.93 0.00
GOLAH____69_KV_TB 1_2 80279	53.60 -1.10 0.00	55.07 -1.48 0.00	46.82 -1.76 0.00	54.20 -1.93 0.00	51.98 -2.03 0.00	51.27 -1.81 0.00	51.43 -2.13 0.00	51.15 -2.77 0.10	34.01 -1.90 0.56	41.18 -1.71 0.00	42.72 -1.65 0.00	42.00 -1.42 0.00	47.88 -1.68 0.00	48.87 -1.35 0.00	49.60 -1.71 0.27	49.55 -2.13 3.14	89.32 -4.97 17.77	45.44 -2.91 15.39	45.00 -3.11 9.78	40.49 -3.14 14.56	46.64 -3.75 13.20	37.68 -3.23 11.92	40.76 -3.12 9.87	26.08 -2.34 13.54
GOODYEAR_LAKE_HYD 323669	55.74 1.04 0.00	57.74 1.18 0.00	49.65 1.07 0.00	57.36 1.24 0.00	55.17 1.16 0.00	54.24 1.16 0.00	54.73 1.17 0.00	55.19 1.17 0.00	37.29 0.81 0.00	43.93 1.05 0.00	45.49 1.12 0.00	44.47 1.06 0.00	50.69 1.14 0.00	51.37 1.15 0.00	52.72 1.13 0.00	55.84 1.01 0.00	113.91 1.85 0.00	64.76 1.03 0.00	58.95 1.06 0.00	59.26 1.07 0.00	64.58 1.00 0.00	53.57 0.75 0.00	54.47 0.72 0.00	42.55 0.59 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	54.05 -0.64 0.00	56.06 -0.49 0.00	48.00 -0.57 0.00	55.57 -0.55 0.00	53.32 -0.69 0.00	52.46 -0.61 0.00	52.93 -0.63 0.00	53.15 -0.79 0.08	35.46 -0.55 0.45	42.27 -0.62 0.00	43.79 -0.58 0.00	42.88 -0.54 0.00	48.76 -0.79 0.00	49.61 -0.61 0.00	50.72 -0.64 0.22	51.47 -0.81 2.54	95.80 -1.78 14.48	51.96 -1.11 10.67	52.72 -0.84 4.32	46.28 -0.92 10.99	55.41 -1.11 7.07	46.35 -0.94 5.54	48.42 -0.96 4.37	35.25 -0.71 6.00



GOUDEY___7 23579	54.05 -0.64 0.00	56.06 -0.49 0.00	48.00 -0.57 0.00	55.57 -0.55 0.00	53.32 -0.69 0.00	52.46 -0.61 0.00	52.93 -0.63 0.00	53.15 -0.79 0.08	35.46 -0.55 0.45	42.27 -0.62 0.00	43.79 -0.58 0.00	42.88 -0.54 0.00	48.76 -0.79 0.00	49.61 -0.61 0.00	50.72 -0.64 0.22	51.47 -0.81 2.54	95.80 -1.78 14.48	51.96 -1.11 10.67	52.72 -0.84 4.32	46.28 -0.92 10.99	55.41 -1.11 7.07	46.35 -0.94 5.54	48.42 -0.96 4.37	35.25 -0.71 6.00
GOUDEY___8 23580	54.05 -0.64 0.00	56.06 -0.49 0.00	48.00 -0.57 0.00	55.57 -0.55 0.00	53.32 -0.69 0.00	52.46 -0.61 0.00	52.93 -0.63 0.00	53.15 -0.79 0.08	35.46 -0.55 0.45	42.27 -0.62 0.00	43.79 -0.58 0.00	42.88 -0.54 0.00	48.76 -0.79 0.00	49.61 -0.61 0.00	50.72 -0.64 0.22	51.47 -0.81 2.54	95.80 -1.78 14.48	51.96 -1.11 10.67	52.72 -0.84 4.32	46.28 -0.92 10.99	55.41 -1.11 7.07	46.35 -0.94 5.54	48.42 -0.96 4.37	35.25 -0.71 6.00
GOWANUS_GT1_1 24077	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_2 24078	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_3 24079	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_4 24080	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_5 24084	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_6 24111	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_7 24112	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT1_8 24113	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_1 24114	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_2 24115	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_3 24116	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_4 24117	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_5 24118	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00



GOWANUS_GT2_6 24119	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_7 24120	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT2_8 24121	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_1 24122	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_2 24123	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_3 24124	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_4 24125	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_5 24126	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_6 24127	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_7 24128	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT3_8 24129	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_1 24130	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_2 24131	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_3 24132	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_4 24133	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00



GOWANUS_GT4_5 24134	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_6 24135	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_7 24136	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GOWANUS_GT4_8 24137	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GREATVR_69_KV_BK1 356245	56.84 2.33 0.18	58.44 1.88 -0.01	50.57 2.00 0.00	58.33 2.21 0.00	56.17 2.16 0.00	55.33 2.25 0.00	60.97 2.11 -5.30	61.80 2.37 -5.40	40.71 1.91 -2.32	47.86 2.52 -2.45	46.97 2.61 0.00	45.54 2.12 0.00	53.67 1.95 -2.17	56.22 2.64 -3.37	57.24 2.26 -3.39	57.23 2.33 -0.07	129.29 5.95 -11.28	74.46 3.81 -6.91	65.60 3.72 -3.99	65.39 3.60 -3.60	68.85 3.59 -1.67	59.37 3.07 -3.47	60.52 3.38 -3.39	44.42 2.46 0.00
GREENBSH_115KV_TB3 55895	54.10 -0.59 0.00	56.01 -0.55 0.00	48.30 -0.28 0.00	55.71 -0.41 0.00	53.74 -0.27 0.00	52.72 -0.36 0.00	53.31 -0.25 0.00	53.96 -0.06 0.00	36.54 0.06 0.00	42.62 -0.26 0.00	43.98 -0.39 0.00	42.93 -0.49 0.00	49.05 -0.51 0.00	49.63 -0.59 0.00	51.20 -0.38 0.00	54.71 -0.12 0.00	112.14 0.07 0.00	63.90 0.16 0.00	58.25 0.36 0.00	58.54 0.35 0.00	63.94 0.36 0.00	53.19 0.36 0.00	54.05 0.30 0.00	42.43 0.47 0.00
GREENDGE_115KV_TB5 80291	52.51 -2.19 0.00	54.65 -1.91 0.00	46.40 -2.18 0.00	53.88 -2.25 0.00	51.41 -2.60 0.00	50.72 -2.35 0.00	51.20 -2.36 0.00	50.31 -2.96 0.75	30.25 -1.97 4.25	40.56 -2.32 0.00	42.04 -2.33 0.00	41.40 -2.01 0.00	46.54 -3.02 0.00	48.00 -2.22 0.00	47.20 -2.30 2.08	28.09 -2.96 23.78	-28.06 -5.45 134.67	-54.34 -3.33 114.75	-15.37 -3.11 70.15	-54.77 -3.23 109.73	-36.23 -3.70 96.12	-36.21 -3.27 85.78	-20.53 -3.49 70.79	-57.89 -2.74 97.11
GREENIDGE___3 23582	52.51 -2.19 0.00	54.65 -1.91 0.00	46.40 -2.18 0.00	53.88 -2.25 0.00	51.41 -2.60 0.00	50.72 -2.35 0.00	51.20 -2.36 0.00	50.31 -2.96 0.75	30.25 -1.97 4.25	40.56 -2.32 0.00	42.04 -2.33 0.00	41.40 -2.01 0.00	46.54 -3.02 0.00	48.00 -2.22 0.00	47.20 -2.30 2.08	28.09 -2.96 23.78	-28.06 -5.45 134.67	-54.34 -3.33 114.75	-15.37 -3.11 70.15	-54.77 -3.23 109.73	-36.23 -3.70 96.12	-36.21 -3.27 85.78	-20.53 -3.49 70.79	-57.89 -2.74 97.11
GREENIDGE___4 23583	52.51 -2.18 0.00	54.66 -1.90 0.00	46.39 -2.19 0.00	53.87 -2.25 0.00	51.42 -2.59 0.00	50.73 -2.34 0.00	51.20 -2.36 0.00	50.31 -2.97 0.75	30.24 -1.98 4.25	40.56 -2.32 0.00	42.05 -2.32 0.00	41.41 -2.01 0.00	46.54 -3.01 0.00	48.00 -2.22 0.00	47.19 -2.31 2.08	28.06 -2.99 23.78	-28.25 -5.64 134.67	-54.57 -3.55 114.75	-15.45 -3.19 70.15	-54.98 -3.44 109.73	-36.40 -3.87 96.12	-36.36 -3.41 85.78	-20.61 -3.57 70.79	-57.98 -2.83 97.11
GREENLWN_69_KV_BK 3 55738	54.05 1.18 1.81	57.29 0.74 0.01	49.68 1.10 0.00	57.27 1.15 0.00	55.14 1.13 0.00	54.25 1.18 0.00	48.10 0.80 6.26	48.69 1.05 6.39	34.76 1.03 2.75	41.53 1.54 2.90	46.25 1.89 0.00	44.94 1.53 0.00	48.08 1.09 2.56	47.62 1.39 3.98	48.57 0.99 4.01	55.83 1.08 0.08	101.66 2.94 13.34	61.45 2.20 4.49	55.25 2.09 4.72	55.92 1.98 4.25	63.53 1.92 1.98	50.42 1.69 4.10	51.74 2.00 4.01	43.59 1.64 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00
GRISSOM___SOLAR 323813	56.10 1.40 0.00	58.03 1.47 0.00	49.84 1.26 0.00	57.57 1.44 0.00	55.41 1.41 0.00	54.48 1.40 0.00	55.00 1.44 0.00	55.32 1.29 0.00	36.66 0.19 0.00	42.81 -0.08 0.00	44.18 -0.19 0.00	43.73 0.31 0.00	50.25 0.70 0.00	50.75 0.53 0.00	52.39 0.80 0.00	56.18 1.35 0.00	115.24 3.18 0.00	65.49 1.75 0.00	59.55 1.67 0.00	59.83 1.63 0.00	65.30 1.71 0.00	54.25 1.42 0.00	55.14 1.39 0.00	43.03 1.07 0.00
GROVEVILLE___HYD 323602	56.36 1.67 0.00	58.19 1.64 0.00	50.19 1.62 0.00	57.98 1.85 0.00	55.81 1.80 0.00	54.93 1.85 0.00	55.56 2.00 0.00	56.23 2.21 0.00	38.06 1.59 0.00	44.78 1.89 0.00	46.39 2.02 0.00	45.27 1.86 0.00	51.65 2.09 0.00	52.35 2.14 0.00	53.56 1.98 0.00	57.00 2.17 0.00	116.86 4.80 0.00	66.83 3.09 0.00	60.66 2.77 0.00	60.93 2.74 0.00	66.58 2.99 0.00	55.35 2.52 0.00	56.32 2.57 0.00	44.05 2.09 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
HAMLTNNY_34_KV_TB 80303	54.06 -0.64 0.00	55.80 -0.76 0.00	47.79 -0.79 0.00	55.28 -0.84 0.00	53.10 -0.91 0.00	52.30 -0.78 0.00	52.74 -0.82 0.00	53.10 -0.92 0.00	35.82 -0.65 0.00	42.18 -0.70 0.00	43.69 -0.68 0.00	42.73 -0.69 0.00	48.74 -0.82 0.00	49.53 -0.69 0.00	50.94 -0.65 0.00	54.06 -0.77 0.00	110.53 -1.53 0.00	62.82 -0.92 0.00	56.99 -0.89 0.00	57.23 -0.97 0.00	62.43 -1.16 0.00	51.82 -1.01 0.00	52.62 -1.12 0.00	41.17 -0.79 0.00



HAMPSHIRE___PAPER_HYD 323593	56.19 1.49 0.00	58.04 1.49 0.00	49.72 1.14 0.00	57.47 1.34 0.00	55.30 1.29 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.19 1.16 0.00	37.11 0.64 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.13 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.53 -0.20 0.00	57.51 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
HARDSCRABBLE_WT_PWR 323673	56.97 2.27 0.00	59.00 2.45 0.00	50.80 2.22 0.00	58.71 2.58 0.00	56.55 2.55 0.00	55.59 2.51 0.00	56.10 2.54 0.00	56.53 2.51 0.00	37.67 1.19 0.00	43.80 0.91 0.00	45.14 0.78 0.00	44.60 1.18 0.00	51.04 1.49 0.00	51.64 1.42 0.00	53.17 1.58 0.00	57.04 2.22 0.00	116.60 4.54 0.00	66.33 2.59 0.00	60.98 3.10 0.00	61.17 2.97 0.00	66.66 3.07 0.00	55.35 2.52 0.00	56.40 2.65 0.00	44.16 2.20 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	56.14 1.44 0.00	57.94 1.39 0.00	49.96 1.39 0.00	57.75 1.63 0.00	55.57 1.56 0.00	54.70 1.63 0.00	55.35 1.78 0.00	56.01 1.98 0.00	37.91 1.43 0.00	44.60 1.72 0.00	46.18 1.81 0.00	45.11 1.69 0.00	51.44 1.88 0.00	52.11 1.90 0.00	53.32 1.73 0.00	56.71 1.88 0.00	116.37 4.31 0.00	66.57 2.83 0.00	60.38 2.49 0.00	60.64 2.45 0.00	66.30 2.71 0.00	55.08 2.25 0.00	56.09 2.35 0.00	43.89 1.93 0.00
HARSNRAD_115KV_TB1 81005	51.97 -2.73 0.00	53.36 -3.20 0.00	45.03 -3.55 0.00	52.24 -3.88 0.00	49.90 -4.11 0.00	49.16 -3.92 0.00	49.12 -4.44 0.00	48.28 -5.58 0.16	31.84 -3.71 0.93	39.24 -3.64 0.00	40.68 -3.69 0.00	40.13 -3.29 0.00	45.60 -3.96 0.00	46.60 -3.62 0.00	46.93 -4.21 0.45	44.73 -4.92 5.18	71.10 -11.14 29.82	30.94 -6.37 26.43	35.66 -6.40 15.82	26.08 -6.25 25.87	34.39 -7.22 21.98	27.37 -6.05 19.41	32.05 -5.73 15.96	15.79 -4.27 21.89
HARZA MOOSE___RIVER 24016	55.92 1.22 0.00	57.79 1.24 0.00	49.60 1.02 0.00	57.34 1.21 0.00	55.18 1.17 0.00	54.30 1.23 0.00	54.86 1.30 0.00	55.28 1.26 0.00	37.23 0.76 0.00	43.78 0.89 0.00	45.28 0.91 0.00	44.29 0.87 0.00	50.56 1.01 0.00	51.10 0.89 0.00	52.28 0.69 0.00	55.34 0.51 0.00	113.38 1.32 0.00	63.97 0.23 0.00	58.12 0.24 0.00	58.22 0.03 0.00	63.66 0.07 0.00	52.83 0.00 0.00	53.85 0.10 0.00	41.66 -0.29 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	53.58 -1.12 0.00	55.34 -1.22 0.00	47.49 -1.09 0.00	54.87 -1.26 0.00	52.75 -1.26 0.00	51.90 -1.17 0.00	52.41 -1.16 0.00	52.79 -1.24 0.00	35.64 -0.84 0.00	41.92 -0.96 0.00	43.40 -0.97 0.00	42.49 -0.93 0.00	48.45 -1.11 0.00	49.21 -1.01 0.00	50.54 -1.05 0.00	53.71 -1.12 0.00	109.77 -2.29 0.00	62.42 -1.32 0.00	56.67 -1.22 0.00	56.89 -1.30 0.00	62.05 -1.54 0.00	51.51 -1.32 0.00	52.39 -1.36 0.00	40.94 -1.02 0.00
HELLGATE_13_KV_LD 55870	56.40 1.70 0.00	58.15 1.60 0.00	50.29 1.71 0.00	58.00 1.87 0.00	55.83 1.82 0.00	54.97 1.89 0.00	55.64 2.08 0.00	56.38 2.36 0.00	38.30 1.83 0.00	45.11 2.22 0.00	46.75 2.39 0.00	45.64 2.23 0.00	51.96 2.41 0.00	52.68 2.46 0.00	53.76 2.17 0.00	56.96 2.13 0.00	116.53 4.47 0.00	66.84 3.10 0.00	60.56 2.68 0.00	60.85 2.65 0.00	66.61 3.03 0.00	55.46 2.63 0.00	56.51 2.76 0.00	44.25 2.29 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	56.40 1.70 0.00	58.15 1.60 0.00	50.29 1.71 0.00	58.00 1.87 0.00	55.83 1.82 0.00	54.97 1.89 0.00	55.64 2.08 0.00	56.38 2.36 0.00	38.30 1.83 0.00	45.11 2.22 0.00	46.75 2.39 0.00	45.64 2.23 0.00	51.96 2.41 0.00	52.68 2.46 0.00	53.76 2.17 0.00	56.96 2.13 0.00	116.53 4.47 0.00	66.84 3.10 0.00	60.56 2.68 0.00	60.85 2.65 0.00	66.61 3.03 0.00	55.46 2.63 0.00	56.51 2.76 0.00	44.25 2.29 0.00
HEMPSTEAD____ 23647	59.93 1.42 -3.81	57.65 1.10 -0.01	49.86 1.28 0.00	57.53 1.40 0.00	55.37 1.36 0.00	54.50 1.42 -0.01	54.83 1.27 0.00	55.54 1.52 0.00	37.75 1.28 0.00	44.63 1.74 0.00	46.29 1.92 0.00	45.06 1.64 -0.01	51.08 1.53 0.00	52.03 1.81 0.00	52.96 1.37 0.00	56.33 1.50 0.00	115.62 3.56 0.00	68.69 2.49 -2.46	60.23 2.34 0.00	60.47 2.28 0.00	65.95 2.36 0.00	54.91 2.08 0.00	56.03 2.28 0.00	43.80 1.85 0.00
HICKLING___1 23621	51.80 -2.89 0.00	54.08 -2.47 0.00	45.70 -2.88 0.00	53.25 -2.87 0.00	50.67 -3.33 0.00	49.95 -3.12 0.00	50.39 -3.17 0.00	49.48 -4.01 0.54	30.58 -2.86 3.03	39.69 -3.20 0.00	41.22 -3.14 0.00	40.61 -2.81 0.00	45.68 -3.87 0.00	46.81 -3.40 0.00	46.42 -3.68 1.49	33.42 -4.43 16.97	6.86 -8.98 96.22	-26.49 -5.45 84.77	-1.46 -4.79 54.55	-27.16 -5.03 80.34	-15.34 -5.53 73.39	-18.28 -4.70 66.42	-6.10 -4.80 55.05	-37.38 -3.82 75.52
HICKLING___2 23622	51.80 -2.89 0.00	54.08 -2.47 0.00	45.70 -2.88 0.00	53.25 -2.87 0.00	50.67 -3.33 0.00	49.95 -3.12 0.00	50.39 -3.17 0.00	49.48 -4.01 0.54	30.58 -2.86 3.03	39.69 -3.20 0.00	41.22 -3.14 0.00	40.61 -2.81 0.00	45.68 -3.87 0.00	46.81 -3.40 0.00	46.42 -3.68 1.49	33.42 -4.43 16.97	6.86 -8.98 96.22	-26.49 -5.45 84.77	-1.46 -4.79 54.55	-27.16 -5.03 80.34	-15.34 -5.53 73.39	-18.28 -4.70 66.42	-6.10 -4.80 55.05	-37.38 -3.82 75.52
HIGH FALLS___HY 23754	56.61 1.91 0.00	58.46 1.91 0.00	50.39 1.81 0.00	58.23 2.11 0.00	56.02 2.01 0.00	55.18 2.11 0.00	55.83 2.27 0.00	56.50 2.48 0.00	38.23 1.76 0.00	45.02 2.14 0.00	46.69 2.33 0.00	45.43 2.01 0.00	51.93 2.38 0.00	52.61 2.39 0.00	53.63 2.04 0.00	57.23 2.40 0.00	117.42 5.36 0.00	67.17 3.43 0.00	60.95 3.06 0.00	61.22 3.03 0.00	66.90 3.31 0.00	55.55 2.73 0.00	56.53 2.79 0.00	44.17 2.21 0.00
HIGH_RIVER___SOLAR 323847	55.91 1.22 0.00	57.82 1.27 0.00	49.70 1.12 0.00	57.40 1.28 0.00	55.27 1.26 0.00	54.32 1.25 0.00	54.85 1.29 0.00	55.15 1.13 0.00	36.60 0.13 0.00	42.84 -0.05 0.00	44.32 -0.04 0.00	43.48 0.07 0.00	49.88 0.33 0.00	50.42 0.20 0.00	52.15 0.57 0.00	55.82 0.99 0.00	114.77 2.71 0.00	65.23 1.49 0.00	59.34 1.46 0.00	59.63 1.44 0.00	65.09 1.50 0.00	54.05 1.23 0.00	54.96 1.21 0.00	42.92 0.96 0.00
HILLBURN___GT 23639	55.90 1.20 0.00	57.65 1.10 0.00	49.76 1.19 0.00	57.52 1.39 0.00	55.32 1.31 0.00	54.47 1.40 0.00	55.13 1.57 0.00	55.81 1.78 0.00	37.78 1.31 0.00	44.47 1.59 0.00	46.07 1.70 0.00	44.99 1.57 0.00	51.27 1.72 0.00	51.97 1.75 0.00	53.14 1.55 0.00	56.45 1.63 0.00	115.90 3.84 0.00	66.31 2.58 0.00	60.14 2.25 0.00	60.40 2.20 0.00	66.05 2.46 0.00	54.89 2.06 0.00	55.94 2.19 0.00	43.80 1.84 0.00
HILLSIDE_115KV_TB1 80332	50.76 -3.94 0.00	53.13 -3.43 0.00	44.86 -3.72 0.00	52.35 -3.78 0.00	49.76 -4.25 0.00	49.08 -4.00 0.00	49.56 -4.01 0.00	48.74 -4.78 0.50	30.30 -3.33 2.85	39.12 -3.76 0.00	40.66 -3.71 0.00	40.05 -3.37 0.00	45.05 -4.50 0.00	46.16 -4.06 0.00	45.90 -4.29 1.40	33.84 -5.06 15.94	11.27 -10.43 90.36	-22.77 -6.34 80.17	0.38 -5.34 52.17	-23.25 -5.64 75.81	-12.45 -6.13 69.91	-15.78 -5.16 63.45	-4.14 -5.24 52.64	-34.46 -4.21 72.21



HISHELDN_WT_PWR 323625	52.11 -2.59 0.00	53.73 -2.83 0.00	45.36 -3.22 0.00	52.69 -3.44 0.00	50.28 -3.73 0.00	49.49 -3.58 0.00	49.48 -4.09 0.00	48.60 -5.16 0.26	31.41 -3.57 1.50	39.22 -3.67 0.00	40.57 -3.80 0.00	39.96 -3.46 0.00	45.25 -4.31 0.00	46.01 -4.21 0.00	46.10 -4.75 0.73	40.77 -5.69 8.37	52.05 -12.16 47.86	13.94 -7.28 42.51	24.18 -7.17 26.54	10.20 -7.06 40.93	19.40 -7.97 36.21	13.64 -6.77 32.42	20.43 -6.54 26.78	0.32 -4.90 36.73
HOLTSVILLE_IC_1 23690	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
HOLTSVILLE_IC_10 23699	55.59 1.50 0.59	57.63 1.07 -0.01	49.93 1.36 0.00	57.58 1.46 0.00	55.47 1.46 0.00	54.66 1.59 0.00	60.87 1.14 -6.17	61.68 1.37 -6.29	40.51 1.33 -2.70	47.64 1.89 -2.86	46.45 2.08 0.00	45.06 1.64 0.00	53.27 1.19 -2.52	55.79 1.65 -3.92	56.87 1.34 -3.94	56.34 1.43 -0.08	129.23 4.03 -13.13	74.28 2.84 -7.70	65.27 2.73 -4.65	64.96 2.57 -4.19	67.88 2.35 -1.95	58.93 2.06 -4.04	60.22 2.52 -3.95	43.86 1.91 0.00
HOLTSVILLE_IC_2 23691	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
HOLTSVILLE_IC_3 23692	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
HOLTSVILLE_IC_4 23693	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
HOLTSVILLE_IC_5 23694	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
HOLTSVILLE_IC_6 23695	55.59 1.50 0.59	57.63 1.07 -0.01	49.93 1.36 0.00	57.58 1.46 0.00	55.47 1.46 0.00	54.66 1.59 0.00	60.87 1.14 -6.17	61.68 1.37 -6.29	40.51 1.33 -2.70	47.64 1.89 -2.86	46.45 2.08 0.00	45.06 1.64 0.00	53.27 1.19 -2.52	55.79 1.65 -3.92	56.87 1.34 -3.94	56.34 1.43 -0.08	129.23 4.03 -13.13	74.28 2.84 -7.70	65.27 2.73 -4.65	64.96 2.57 -4.19	67.88 2.35 -1.95	58.93 2.06 -4.04	60.22 2.52 -3.95	43.86 1.91 0.00
HOLTSVILLE_IC_7 23696	55.59 1.50 0.59	57.63 1.07 -0.01	49.93 1.36 0.00	57.58 1.46 0.00	55.47 1.46 0.00	54.66 1.59 0.00	60.87 1.14 -6.17	61.68 1.37 -6.29	40.51 1.33 -2.70	47.64 1.89 -2.86	46.45 2.08 0.00	45.06 1.64 0.00	53.27 1.19 -2.52	55.79 1.65 -3.92	56.87 1.34 -3.94	56.34 1.43 -0.08	129.23 4.03 -13.13	74.28 2.84 -7.70	65.27 2.73 -4.65	64.96 2.57 -4.19	67.88 2.35 -1.95	58.93 2.06 -4.04	60.22 2.52 -3.95	43.86 1.91 0.00
HOLTSVILLE_IC_8 23697	55.59 1.50 0.59	57.63 1.07 -0.01	49.93 1.36 0.00	57.58 1.46 0.00	55.47 1.46 0.00	54.66 1.59 0.00	60.87 1.14 -6.17	61.68 1.37 -6.29	40.51 1.33 -2.70	47.64 1.89 -2.86	46.45 2.08 0.00	45.06 1.64 0.00	53.27 1.19 -2.52	55.79 1.65 -3.92	56.87 1.34 -3.94	56.34 1.43 -0.08	129.23 4.03 -13.13	74.28 2.84 -7.70	65.27 2.73 -4.65	64.96 2.57 -4.19	67.88 2.35 -1.95	58.93 2.06 -4.04	60.22 2.52 -3.95	43.86 1.91 0.00
HOLTSVILLE_IC_9 23698	55.59 1.50 0.59	57.63 1.07 -0.01	49.93 1.36 0.00	57.58 1.46 0.00	55.47 1.46 0.00	54.66 1.59 0.00	60.87 1.14 -6.17	61.68 1.37 -6.29	40.51 1.33 -2.70	47.64 1.89 -2.86	46.45 2.08 0.00	45.06 1.64 0.00	53.27 1.19 -2.52	55.79 1.65 -3.92	56.87 1.34 -3.94	56.34 1.43 -0.08	129.23 4.03 -13.13	74.28 2.84 -7.70	65.27 2.73 -4.65	64.96 2.57 -4.19	67.88 2.35 -1.95	58.93 2.06 -4.04	60.22 2.52 -3.95	43.86 1.91 0.00
HOMER_HL_115KV_TB2 355744	51.88 -2.82 0.00	53.65 -2.90 0.00	45.45 -3.13 0.00	52.95 -3.17 0.00	50.45 -3.55 0.00	49.69 -3.39 0.00	49.60 -3.96 0.00	49.06 -4.71 0.26	31.74 -3.27 1.47	39.61 -3.27 0.00	41.19 -3.18 0.00	40.78 -2.64 0.00	46.19 -3.36 0.00	47.11 -3.11 0.00	47.07 -3.80 0.72	42.08 -4.63 8.12	55.51 -10.12 46.43	17.58 -5.93 40.23	28.35 -5.63 23.91	13.76 -5.27 39.16	24.31 -6.05 33.24	18.48 -5.01 29.34	24.85 -4.78 24.12	5.17 -3.71 33.08
HOWARD_WT_PWR 323690	53.03 -1.66 0.00	55.04 -1.52 0.00	46.53 -2.05 0.00	54.12 -2.00 0.00	51.60 -2.41 0.00	50.81 -2.27 0.00	50.87 -2.69 0.00	49.61 -3.88 0.54	30.48 -2.95 3.04	39.61 -3.27 0.00	40.97 -3.40 0.00	40.31 -3.10 0.00	45.36 -4.19 0.00	46.09 -4.13 0.00	45.33 -4.77 1.49	31.79 -6.05 16.99	5.17 -10.51 96.38	-25.28 -6.07 82.94	-0.14 -6.89 51.14	-27.82 -6.67 79.34	-13.77 -7.46 69.89	-15.89 -6.23 62.50	-4.72 -6.87 51.60	-33.62 -4.79 70.79
HQ_GEN_CEDARS 23644	56.92 2.22 0.00	58.82 2.26 0.00	50.37 1.80 0.00	58.22 2.10 0.00	56.00 1.99 0.00	55.02 1.94 0.00	55.50 1.94 0.00	55.88 1.86 0.00	37.65 1.18 0.00	44.40 1.52 0.00	46.02 1.65 0.00	45.10 1.69 0.00	51.55 2.00 0.00	52.19 1.97 0.00	53.58 1.99 0.00	56.65 1.82 0.00	115.37 3.31 0.00	65.63 1.89 0.00	59.34 1.46 0.00	59.75 1.55 0.00	65.56 1.97 0.00	54.46 1.63 0.00	55.43 1.68 0.00	43.08 1.12 0.00
HQ_GEN_CEDARS_PROXY 323590	56.92 2.22 0.00	58.82 2.27 0.00	50.37 1.79 0.00	58.22 2.10 0.00	56.00 1.99 0.00	55.02 1.94 0.00	57.77 1.94 -2.27	55.88 1.86 0.00	37.66 1.18 0.00	44.40 1.51 0.00	46.02 1.65 0.00	45.10 1.69 0.00	51.55 2.00 0.00	52.19 1.97 0.00	53.58 1.99 0.00	56.65 1.83 0.00	116.52 3.32 -1.15	65.64 1.91 0.00	59.34 1.46 0.00	59.74 1.55 0.00	65.55 1.96 0.00	54.45 1.62 0.00	55.43 1.68 0.00	43.08 1.12 0.00



HQ_GEN_IMPORT 323601	55.58 0.88 0.00	57.45 0.90 0.00	49.27 0.69 0.00	56.94 0.81 0.00	54.78 0.77 0.00	53.51 0.74 0.31	54.31 0.75 0.00	54.72 0.70 0.00	36.93 0.46 0.00	43.50 0.61 0.00	45.03 0.66 0.00	44.11 0.69 0.00	50.36 0.81 0.00	50.99 0.77 0.00	52.47 0.79 -0.08	59.28 0.74 -3.72	113.42 1.36 0.00	66.27 0.77 -1.76	58.47 0.58 0.00	58.83 0.63 0.00	64.36 0.77 0.00	53.44 0.61 0.00	54.37 0.63 0.00	42.31 0.35 0.00
HQ_GEN_WHEEL 23651	55.58 0.88 0.00	57.45 0.90 0.00	49.27 0.69 0.00	56.94 0.81 0.00	54.78 0.77 0.00	53.51 0.74 0.31	54.31 0.75 0.00	54.72 0.70 0.00	36.93 0.46 0.00	43.50 0.61 0.00	45.03 0.66 0.00	44.11 0.69 0.00	50.36 0.81 0.00	50.99 0.77 0.00	52.47 0.79 -0.08	59.28 0.74 -3.72	113.42 1.36 0.00	66.27 0.77 -1.76	58.47 0.58 0.00	58.83 0.63 0.00	64.36 0.77 0.00	53.44 0.61 0.00	54.37 0.63 0.00	42.31 0.35 0.00
HUDSON AVE_GT_3 23810	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.79 1.67 0.00	55.61 1.61 0.00	54.74 1.67 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.07 1.60 0.00	44.85 1.96 0.00	46.51 2.14 0.00	45.39 1.98 0.00	51.71 2.15 0.00	52.45 2.23 0.00	53.55 1.97 0.00	56.75 1.92 0.00	116.27 4.21 0.00	66.62 2.88 0.00	60.38 2.49 0.00	60.66 2.46 0.00	66.40 2.81 0.00	55.26 2.43 0.00	56.29 2.55 0.00	44.09 2.14 0.00
HUDSON AVE_GT_4 23540	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.79 1.67 0.00	55.61 1.61 0.00	54.74 1.67 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.07 1.60 0.00	44.85 1.96 0.00	46.51 2.14 0.00	45.39 1.98 0.00	51.71 2.15 0.00	52.45 2.23 0.00	53.55 1.97 0.00	56.75 1.92 0.00	116.27 4.21 0.00	66.62 2.88 0.00	60.38 2.49 0.00	60.66 2.46 0.00	66.40 2.81 0.00	55.26 2.43 0.00	56.29 2.55 0.00	44.09 2.14 0.00
HUDSON AVE_GT_5 23657	56.20 1.51 0.00	57.97 1.41 0.00	50.06 1.48 0.00	57.79 1.67 0.00	55.61 1.61 0.00	54.74 1.67 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.07 1.60 0.00	44.85 1.96 0.00	46.51 2.14 0.00	45.39 1.98 0.00	51.71 2.15 0.00	52.45 2.23 0.00	53.55 1.97 0.00	56.75 1.92 0.00	116.27 4.21 0.00	66.62 2.88 0.00	60.38 2.49 0.00	60.66 2.46 0.00	66.40 2.81 0.00	55.26 2.43 0.00	56.29 2.55 0.00	44.09 2.14 0.00
HUDSON_AVE_10 24168	55.93 1.23 0.00	57.67 1.11 0.00	49.81 1.24 0.00	57.50 1.38 0.00	55.33 1.32 0.00	54.45 1.38 0.00	55.10 1.54 0.00	55.83 1.81 0.00	37.89 1.41 0.00	44.67 1.78 0.00	46.31 1.94 0.00	45.17 1.76 0.00	51.46 1.90 0.00	52.20 1.99 0.00	53.28 1.69 0.00	56.46 1.63 0.00	115.66 3.60 0.00	66.28 2.54 0.00	60.09 2.20 0.00	60.36 2.16 0.00	66.11 2.52 0.00	55.02 2.19 0.00	56.03 2.28 0.00	43.90 1.94 0.00
HUDSON___115KV_TB 4 355613	55.33 0.64 0.00	57.28 0.73 0.00	49.37 0.79 0.00	56.98 0.85 0.00	54.94 0.93 0.00	53.95 0.87 0.00	54.56 1.00 0.00	55.26 1.23 0.00	37.19 0.71 0.00	43.16 0.28 0.00	44.45 0.08 0.00	43.57 0.15 0.00	49.95 0.40 0.00	50.56 0.34 0.00	51.96 0.37 0.00	55.67 0.85 0.00	114.89 2.83 0.00	65.56 1.82 0.00	59.76 1.87 0.00	60.02 1.82 0.00	65.48 1.89 0.00	54.41 1.58 0.00	55.23 1.48 0.00	43.25 1.29 0.00
HUNTER MOUNT___DRP 323613	55.54 0.84 0.00	57.52 0.97 0.00	49.54 0.96 0.00	57.18 1.06 0.00	55.15 1.15 0.00	54.15 1.07 0.00	54.78 1.21 0.00	55.49 1.47 0.00	37.33 0.85 0.00	43.27 0.38 0.00	44.52 0.16 0.00	43.65 0.24 0.00	50.15 0.60 0.00	50.71 0.50 0.00	52.15 0.57 0.00	55.98 1.16 0.00	115.42 3.36 0.00	65.84 2.11 0.00	60.03 2.14 0.00	60.28 2.08 0.00	65.75 2.16 0.00	54.61 1.79 0.00	55.39 1.64 0.00	43.35 1.40 0.00
HUNTINGTON_RES_REC 323705	54.44 1.21 1.47	57.33 0.78 0.00	49.70 1.12 0.00	57.30 1.17 0.00	55.19 1.18 0.00	54.32 1.25 0.00	52.72 0.84 1.68	53.41 1.09 1.71	36.83 1.09 0.73	43.74 1.63 0.78	46.27 1.90 0.00	44.89 1.48 0.00	49.87 1.00 0.69	50.52 1.37 1.07	51.56 1.05 1.07	55.94 1.14 0.02	111.78 3.29 3.57	66.15 2.41 0.00	58.92 2.29 1.26	59.24 2.18 1.14	65.09 2.03 0.53	53.52 1.78 1.10	54.82 2.14 1.07	43.65 1.69 0.00
HUNTLEY___63 23557	52.15 -2.55 0.00	53.56 -3.00 0.00	45.18 -3.40 0.00	52.43 -3.69 0.00	50.06 -3.95 0.00	49.32 -3.75 0.00	49.31 -4.25 0.00	48.52 -5.33 0.17	31.98 -3.51 0.98	39.47 -3.42 0.00	40.91 -3.45 0.00	40.35 -3.07 0.00	45.86 -3.69 0.00	46.86 -3.36 0.00	47.19 -3.92 0.48	44.66 -4.66 5.51	69.64 -10.65 31.77	29.49 -6.10 28.15	35.02 -6.16 16.72	24.59 -5.97 27.63	33.39 -6.90 23.31	26.51 -5.79 20.53	31.40 -5.49 16.86	14.73 -4.10 23.13
HUNTLEY___64 23558	52.15 -2.55 0.00	53.56 -3.00 0.00	45.18 -3.40 0.00	52.43 -3.69 0.00	50.06 -3.95 0.00	49.32 -3.75 0.00	49.31 -4.25 0.00	48.52 -5.33 0.17	31.98 -3.51 0.98	39.47 -3.42 0.00	40.91 -3.45 0.00	40.35 -3.07 0.00	45.86 -3.69 0.00	46.86 -3.36 0.00	47.19 -3.92 0.48	44.66 -4.66 5.51	69.64 -10.65 31.77	29.49 -6.10 28.15	35.02 -6.16 16.72	24.59 -5.97 27.63	33.39 -6.90 23.31	26.51 -5.79 20.53	31.40 -5.49 16.86	14.73 -4.10 23.13
HUNTLEY___65 23559	52.15 -2.55 0.00	53.56 -3.00 0.00	45.18 -3.40 0.00	52.43 -3.69 0.00	50.06 -3.95 0.00	49.32 -3.75 0.00	49.31 -4.25 0.00	48.52 -5.33 0.17	31.98 -3.51 0.98	39.47 -3.42 0.00	40.91 -3.45 0.00	40.35 -3.07 0.00	45.86 -3.69 0.00	46.86 -3.36 0.00	47.19 -3.92 0.48	44.66 -4.66 5.51	69.64 -10.65 31.77	29.49 -6.10 28.15	35.02 -6.16 16.72	24.59 -5.97 27.63	33.39 -6.90 23.31	26.51 -5.79 20.53	31.40 -5.49 16.86	14.73 -4.10 23.13
HUNTLEY___66 23560	52.15 -2.55 0.00	53.56 -3.00 0.00	45.18 -3.40 0.00	52.43 -3.69 0.00	50.06 -3.95 0.00	49.32 -3.75 0.00	49.31 -4.25 0.00	48.52 -5.33 0.17	31.98 -3.51 0.98	39.47 -3.42 0.00	40.91 -3.45 0.00	40.35 -3.07 0.00	45.86 -3.69 0.00	46.86 -3.36 0.00	47.19 -3.92 0.48	44.66 -4.66 5.51	69.64 -10.65 31.77	29.49 -6.10 28.15	35.02 -6.16 16.72	24.59 -5.97 27.63	33.39 -6.90 23.31	26.51 -5.79 20.53	31.40 -5.49 16.86	14.73 -4.10 23.13
HUNTLEY___67 23561	51.87 -2.83 0.00	53.32 -3.24 0.00	44.99 -3.59 0.00	52.23 -3.89 0.00	49.85 -4.16 0.00	49.10 -3.97 0.00	49.09 -4.47 0.00	48.32 -5.52 0.18	31.82 -3.66 1.00	39.28 -3.60 0.00	40.71 -3.66 0.00	40.15 -3.27 0.00	45.63 -3.92 0.00	46.64 -3.58 0.00	46.93 -4.17 0.49	44.30 -4.94 5.58	68.55 -11.23 32.28	28.52 -6.56 28.66	34.47 -6.53 16.89	23.59 -6.37 28.24	32.67 -7.28 23.64	25.98 -6.09 20.76	30.91 -5.81 17.04	14.23 -4.36 23.37
HUNTLEY___68 23562	51.87 -2.83 0.00	53.32 -3.24 0.00	44.99 -3.59 0.00	52.23 -3.89 0.00	49.85 -4.16 0.00	49.10 -3.97 0.00	49.09 -4.47 0.00	48.32 -5.52 0.18	31.82 -3.66 1.00	39.28 -3.60 0.00	40.71 -3.66 0.00	40.15 -3.27 0.00	45.63 -3.92 0.00	46.64 -3.58 0.00	46.93 -4.17 0.49	44.30 -4.94 5.58	68.55 -11.23 32.28	28.52 -6.56 28.66	34.47 -6.53 16.89	23.59 -6.37 28.24	32.67 -7.28 23.64	25.98 -6.09 20.76	30.91 -5.81 17.04	14.23 -4.36 23.37



HYLAND___LFGE 323620	55.59 0.90 0.00	57.27 0.72 0.00	48.55 -0.03 0.00	56.36 0.23 0.00	53.93 -0.08 0.00	53.22 0.15 0.00	53.59 0.03 0.00	52.84 -0.88 0.30	33.69 -1.07 1.71	41.98 -0.90 0.00	43.50 -0.87 0.00	42.92 -0.49 0.00	48.08 -1.47 0.00	49.24 -0.97 0.00	49.50 -1.25 0.84	43.43 -1.85 9.54	55.37 -2.54 54.15	15.01 -1.41 47.32	26.15 -1.84 29.90	11.36 -1.78 45.06	20.77 -2.31 40.50	14.16 -2.21 36.46	21.31 -2.27 30.17	-1.13 -1.70 41.39
INDECK___CORINTH 23802	57.05 2.35 0.00	59.18 2.63 0.00	51.01 2.44 0.00	58.91 2.79 0.00	56.86 2.85 0.00	55.83 2.75 0.00	56.68 3.12 0.00	57.47 3.45 0.00	38.55 2.08 0.00	44.55 1.66 0.00	45.84 1.47 0.00	45.03 1.61 0.00	51.73 2.17 0.00	52.27 2.05 0.00	54.19 2.60 0.00	58.18 3.35 0.00	119.41 7.34 0.00	67.81 4.07 0.00	61.84 3.96 0.00	62.10 3.90 0.00	67.69 4.10 0.00	56.21 3.38 0.00	57.12 3.37 0.00	44.55 2.60 0.00
INDECK___ILION 23567	55.90 1.21 0.00	57.85 1.30 0.00	49.77 1.19 0.00	57.51 1.39 0.00	55.38 1.37 0.00	54.43 1.35 0.00	54.93 1.37 0.00	55.39 1.37 0.00	37.13 0.66 0.00	43.39 0.50 0.00	44.79 0.42 0.00	44.05 0.64 0.00	50.35 0.80 0.00	50.97 0.75 0.00	52.45 0.86 0.00	56.07 1.24 0.00	114.72 2.65 0.00	65.28 1.54 0.00	59.61 1.73 0.00	59.86 1.67 0.00	65.33 1.74 0.00	54.26 1.43 0.00	55.23 1.48 0.00	43.19 1.23 0.00
INDECK___OLEAN 23982	51.87 -2.83 0.00	53.64 -2.91 0.00	45.44 -3.14 0.00	52.96 -3.17 0.00	50.45 -3.55 0.00	49.68 -3.39 0.00	49.59 -3.96 0.00	49.05 -4.71 0.26	31.73 -3.28 1.47	39.61 -3.27 0.00	41.19 -3.18 0.00	40.78 -2.64 0.00	46.19 -3.36 0.00	47.09 -3.13 0.00	47.07 -3.81 0.72	42.06 -4.65 8.12	55.40 -10.23 46.43	17.36 -6.14 40.23	28.26 -5.71 23.91	13.65 -5.39 39.16	24.25 -6.10 33.24	18.39 -5.10 29.34	24.82 -4.81 24.12	5.11 -3.77 33.08
INDECK___OSWEGO 23783	52.62 -2.07 0.00	54.31 -2.25 0.00	46.62 -1.96 0.00	53.84 -2.28 0.00	51.79 -2.22 0.00	50.96 -2.11 0.00	51.44 -2.12 0.00	51.85 -2.18 0.00	35.01 -1.46 0.00	41.16 -1.73 0.00	42.62 -1.75 0.00	41.68 -1.74 0.00	47.58 -1.98 0.00	48.26 -1.96 0.00	49.58 -2.01 0.00	52.66 -2.16 0.00	107.66 -4.39 0.00	61.18 -2.56 0.00	55.54 -2.34 0.00	55.78 -2.42 0.00	60.84 -2.75 0.00	50.53 -2.30 0.00	51.38 -2.37 0.00	40.15 -1.81 0.00
INDECK___YERKES 23781	52.19 -2.50 0.00	53.60 -2.96 0.00	45.21 -3.37 0.00	52.46 -3.66 0.00	50.09 -3.92 0.00	49.36 -3.71 0.00	49.35 -4.21 0.00	48.55 -5.30 0.17	31.99 -3.50 0.98	39.50 -3.39 0.00	40.95 -3.42 0.00	40.39 -3.03 0.00	45.90 -3.66 0.00	46.89 -3.32 0.00	47.21 -3.90 0.48	44.68 -4.64 5.51	69.63 -10.67 31.77	29.40 -6.19 28.15	34.98 -6.19 16.72	24.57 -6.00 27.63	33.42 -6.86 23.31	26.47 -5.83 20.53	31.41 -5.48 16.86	14.73 -4.10 23.13
INDIAN POINT_GT_1 24139	55.81 1.11 0.00	57.59 1.04 0.00	49.70 1.12 0.00	57.42 1.30 0.00	55.25 1.24 0.00	54.38 1.31 0.00	55.00 1.44 0.00	55.69 1.67 0.00	37.71 1.24 0.00	44.38 1.49 0.00	45.97 1.61 0.00	44.88 1.46 0.00	51.15 1.59 0.00	51.86 1.64 0.00	53.02 1.43 0.00	56.33 1.50 0.00	115.54 3.48 0.00	66.14 2.40 0.00	59.97 2.09 0.00	60.23 2.04 0.00	65.87 2.28 0.00	54.76 1.93 0.00	55.85 2.10 0.00	43.72 1.77 0.00
INDIAN POINT_GT_2 23659	55.81 1.11 0.00	57.59 1.04 0.00	49.70 1.12 0.00	57.42 1.30 0.00	55.25 1.24 0.00	54.38 1.31 0.00	55.00 1.44 0.00	55.69 1.67 0.00	37.71 1.24 0.00	44.38 1.49 0.00	45.97 1.61 0.00	44.88 1.46 0.00	51.15 1.59 0.00	51.86 1.64 0.00	53.02 1.43 0.00	56.33 1.50 0.00	115.54 3.48 0.00	66.14 2.40 0.00	59.97 2.09 0.00	60.23 2.04 0.00	65.87 2.28 0.00	54.76 1.93 0.00	55.85 2.10 0.00	43.72 1.77 0.00
INDIAN POINT_GT_3 24019	55.81 1.11 0.00	57.59 1.04 0.00	49.70 1.12 0.00	57.42 1.30 0.00	55.25 1.24 0.00	54.38 1.31 0.00	55.00 1.44 0.00	55.69 1.67 0.00	37.71 1.24 0.00	44.38 1.49 0.00	45.97 1.61 0.00	44.88 1.46 0.00	51.15 1.59 0.00	51.86 1.64 0.00	53.02 1.43 0.00	56.33 1.50 0.00	115.54 3.48 0.00	66.14 2.40 0.00	59.97 2.09 0.00	60.23 2.04 0.00	65.87 2.28 0.00	54.76 1.93 0.00	55.85 2.10 0.00	43.72 1.77 0.00
INDIAN POINT___2 23530	55.75 1.06 0.00	57.53 0.98 0.00	49.66 1.09 0.00	57.38 1.26 0.00	55.20 1.19 0.00	54.35 1.28 0.00	54.97 1.41 0.00	55.65 1.62 0.00	37.68 1.20 0.00	44.34 1.45 0.00	45.93 1.56 0.00	44.85 1.43 0.00	51.10 1.54 0.00	51.80 1.59 0.00	52.97 1.38 0.00	56.27 1.44 0.00	115.49 3.43 0.00	66.09 2.35 0.00	59.92 2.03 0.00	60.21 2.02 0.00	65.82 2.23 0.00	54.67 1.84 0.00	55.81 2.06 0.00	43.71 1.75 0.00
INDIAN POINT___3 23531	55.81 1.11 0.00	57.59 1.04 0.00	49.72 1.14 0.00	57.44 1.32 0.00	55.26 1.25 0.00	54.40 1.32 0.00	55.01 1.45 0.00	55.70 1.67 0.00	37.71 1.24 0.00	44.39 1.50 0.00	45.99 1.62 0.00	44.90 1.49 0.00	51.15 1.60 0.00	51.87 1.65 0.00	53.03 1.44 0.00	56.33 1.50 0.00	115.52 3.46 0.00	66.10 2.36 0.00	59.97 2.08 0.00	60.23 2.04 0.00	65.88 2.29 0.00	54.79 1.96 0.00	55.81 2.06 0.00	43.71 1.75 0.00
INGHAM_C_115KV_TB7 356103	57.59 2.90 0.00	59.69 3.14 0.00	51.38 2.81 0.00	59.40 3.27 0.00	57.23 3.23 0.00	56.25 3.18 0.00	56.76 3.21 0.00	57.18 3.16 0.00	37.96 1.49 0.00	44.01 1.12 0.00	45.29 0.93 0.00	44.86 1.45 0.00	51.40 1.84 0.00	52.00 1.78 0.00	53.64 2.05 0.00	57.78 2.95 0.00	118.47 6.41 0.00	67.51 3.77 0.00	61.99 4.11 0.00	62.18 3.98 0.00	67.73 4.15 0.00	56.29 3.46 0.00	57.27 3.52 0.00	44.82 2.87 0.00
IP CORINTH___1 23988	57.10 2.41 0.00	59.21 2.66 0.00	51.01 2.44 0.00	58.91 2.79 0.00	56.86 2.85 0.00	55.83 2.76 0.00	56.68 3.12 0.00	57.47 3.45 0.00	38.55 2.08 0.00	44.55 1.66 0.00	45.85 1.48 0.00	45.03 1.61 0.00	51.73 2.17 0.00	52.27 2.05 0.00	54.19 2.60 0.00	58.20 3.37 0.00	119.39 7.33 0.00	67.83 4.09 0.00	61.85 3.96 0.00	62.10 3.91 0.00	67.69 4.10 0.00	56.21 3.38 0.00	57.11 3.36 0.00	44.55 2.59 0.00
IP___TICONDEROGA 23804	59.35 4.65 0.00	61.80 5.24 0.00	53.14 4.56 0.00	61.36 5.23 0.00	59.36 5.35 0.00	58.33 5.26 0.00	59.61 6.05 0.00	60.69 6.66 0.00	40.42 3.95 0.00	45.91 3.03 0.00	47.02 2.65 0.00	46.29 2.88 0.00	53.63 4.07 0.00	54.03 3.81 0.00	56.68 5.09 0.00	61.56 6.73 0.00	126.22 14.16 0.00	71.32 7.58 0.00	65.17 7.28 0.00	65.43 7.23 0.00	70.67 7.08 0.00	58.54 5.72 0.00	59.41 5.66 0.00	46.32 4.37 0.00
ISLIP_RES_REC 323679	55.89 1.71 0.51	57.84 1.28 -0.01	50.10 1.53 0.00	57.78 1.65 0.00	55.67 1.66 0.00	54.87 1.79 0.00	60.91 1.37 -5.98	61.74 1.62 -6.10	40.58 1.48 -2.62	47.72 2.06 -2.77	46.58 2.22 0.00	45.18 1.77 0.00	53.35 1.35 -2.45	55.89 1.87 -3.80	56.97 1.56 -3.82	56.59 1.68 -0.08	129.42 4.62 -12.73	74.44 3.17 -7.53	65.40 3.01 -4.51	65.12 2.87 -4.06	68.15 2.67 -1.89	59.05 2.30 -3.92	60.31 2.73 -3.83	44.00 2.04 0.00



JAMAICA__27_KV_LOAD 355505	56.07 1.38 0.00	57.79 1.23 0.00	49.91 1.33 0.00	57.58 1.46 0.00	55.42 1.41 0.00	54.53 1.46 0.00	55.17 1.61 0.00	55.90 1.88 0.00	37.95 1.48 0.00	44.78 1.90 0.00	46.40 2.03 0.00	45.25 1.83 0.00	51.58 2.02 0.00	52.33 2.12 0.00	53.39 1.80 0.00	56.56 1.73 0.00	115.90 3.84 0.00	66.44 2.71 0.00	60.26 2.37 0.00	60.54 2.35 0.00	66.38 2.79 0.00	55.22 2.39 0.00	56.21 2.46 0.00	44.04 2.08 0.00
JANIS__SOLAR 323808	56.20 1.50 0.00	58.19 1.63 0.00	49.88 1.30 0.00	57.71 1.58 0.00	55.47 1.46 0.00	54.72 1.65 0.00	55.34 1.78 0.00	56.09 1.67 -0.40	39.65 0.91 -2.27	43.48 0.59 0.00	44.90 0.53 0.00	44.05 0.63 0.00	50.00 0.44 0.00	50.97 0.75 0.00	53.90 1.19 -1.11	68.64 1.13 -12.68	185.99 2.36 -71.57	122.81 1.25 -57.82	92.10 1.53 -32.68	115.19 1.18 -55.81	110.57 0.92 -46.06	93.62 0.54 -40.25	87.14 0.40 -32.99	87.53 0.33 -45.25
JARVIS____ 23743	54.60 -0.09 0.00	56.50 -0.06 0.00	48.57 -0.01 0.00	56.09 -0.04 0.00	54.01 0.00 0.00	53.05 -0.02 0.00	53.51 -0.05 0.00	54.01 -0.01 0.00	36.45 -0.02 0.00	42.83 -0.06 0.00	44.28 -0.09 0.00	43.33 -0.09 0.00	49.46 -0.10 0.00	50.12 -0.10 0.00	51.49 -0.10 0.00	54.78 -0.04 0.00	111.95 -0.12 0.00	63.66 -0.08 0.00	57.88 0.00 0.00	58.15 -0.04 0.00	63.53 -0.06 0.00	52.83 0.00 0.00	53.75 0.00 0.00	42.01 0.05 0.00
JENNISON____1 23625	55.94 1.24 0.00	58.17 1.61 0.00	50.02 1.44 0.00	57.87 1.74 0.00	55.61 1.61 0.00	54.88 1.81 0.00	55.50 1.94 0.00	56.02 1.92 -0.08	38.17 1.21 -0.48	44.20 1.31 0.00	45.57 1.20 0.00	44.67 1.25 0.00	50.68 1.13 0.00	51.40 1.19 0.00	53.03 1.21 -0.23	58.20 0.68 -2.69	127.52 0.38 -15.09	76.73 0.17 -12.82	66.90 0.79 -8.23	70.72 0.53 -12.00	74.67 0.03 -11.04	62.71 -0.13 -10.01	61.81 -0.25 -8.30	53.37 0.02 -11.39
JENNISON____2 23626	55.94 1.24 0.00	58.17 1.61 0.00	50.02 1.44 0.00	57.87 1.74 0.00	55.61 1.61 0.00	54.88 1.81 0.00	55.50 1.94 0.00	56.02 1.92 -0.08	38.17 1.21 -0.48	44.20 1.31 0.00	45.57 1.20 0.00	44.67 1.25 0.00	50.68 1.13 0.00	51.40 1.19 0.00	53.03 1.21 -0.23	58.20 0.68 -2.69	127.52 0.38 -15.09	76.73 0.17 -12.82	66.90 0.79 -8.23	70.72 0.53 -12.00	74.67 0.03 -11.04	62.71 -0.13 -10.01	61.81 -0.25 -8.30	53.37 0.02 -11.39
JERICOHO_RISE_WT_PWR 323719	56.41 1.71 0.00	58.27 1.72 0.00	49.92 1.34 0.00	57.68 1.56 0.00	55.49 1.49 0.00	54.53 1.46 0.00	55.03 1.47 0.00	55.41 1.39 0.00	37.39 0.92 0.00	44.06 1.17 0.00	45.63 1.26 0.00	44.75 1.33 0.00	51.10 1.55 0.00	51.73 1.51 0.00	53.12 1.54 0.00	56.10 1.27 0.00	114.40 2.34 0.00	65.30 1.56 0.00	58.97 1.09 0.00	59.28 1.08 0.00	65.11 1.52 0.00	53.91 1.08 0.00	54.91 1.16 0.00	42.76 0.80 0.00
KATONAH__115KV_46KV_TB4 355592	56.12 1.42 0.00	57.92 1.37 0.00	49.99 1.41 0.00	57.74 1.62 0.00	55.58 1.57 0.00	54.69 1.62 0.00	55.31 1.75 0.00	56.01 1.98 0.00	37.94 1.47 0.00	44.67 1.78 0.00	46.26 1.89 0.00	45.16 1.75 0.00	51.46 1.90 0.00	52.20 1.98 0.00	53.36 1.77 0.00	56.69 1.86 0.00	116.21 4.14 0.00	66.49 2.75 0.00	60.34 2.45 0.00	60.59 2.40 0.00	66.25 2.67 0.00	55.09 2.26 0.00	56.08 2.33 0.00	43.90 1.94 0.00
KCE_NY_1 323755	56.32 1.63 0.00	58.40 1.84 0.00	50.25 1.67 0.00	58.02 1.90 0.00	55.96 1.95 0.00	54.93 1.85 0.00	55.67 2.11 0.00	56.32 2.30 0.00	37.85 1.37 0.00	44.08 1.19 0.00	45.38 1.01 0.00	44.48 1.07 0.00	51.00 1.45 0.00	51.56 1.35 0.00	53.36 1.77 0.00	57.16 2.33 0.00	117.30 5.24 0.00	66.71 2.97 0.00	60.90 3.02 0.00	61.11 2.91 0.00	66.72 3.13 0.00	55.41 2.58 0.00	56.27 2.52 0.00	43.97 2.01 0.00
KCE_NY_6_ESR 323823	52.38 -2.31 0.00	53.93 -2.62 0.00	45.49 -3.08 0.00	52.81 -3.31 0.00	50.41 -3.60 0.00	49.65 -3.43 0.00	49.63 -3.93 0.00	48.89 -4.94 0.20	32.07 -3.28 1.12	39.71 -3.18 0.00	41.10 -3.27 0.00	40.56 -2.86 0.00	46.04 -3.51 0.00	47.02 -3.20 0.00	47.28 -3.76 0.55	43.97 -4.58 6.28	65.65 -10.29 36.12	25.79 -6.12 31.84	32.82 -6.11 18.95	21.09 -5.95 31.16	30.43 -6.78 26.38	23.84 -5.73 23.26	29.20 -5.43 19.12	11.65 -4.08 26.22
KEDC PORT_JEFF_GT2 24210	55.33 1.33 0.69	57.45 0.90 -0.01	49.79 1.21 0.00	57.42 1.30 0.00	55.32 1.31 0.00	54.49 1.42 0.00	60.31 0.88 -5.87	61.10 1.10 -5.98	40.22 1.18 -2.57	47.38 1.78 -2.72	46.35 1.98 0.00	44.96 1.55 0.00	53.00 1.05 -2.40	55.42 1.47 -3.73	56.43 1.09 -3.75	56.03 1.13 -0.08	127.94 3.39 -12.49	73.62 2.49 -7.40	64.70 2.39 -4.42	64.41 2.24 -3.98	67.43 1.99 -1.85	58.47 1.79 -3.84	59.82 2.32 -3.76	43.72 1.77 0.00
KEDC PORT_JEFF_GT3 24211	55.33 1.33 0.69	57.45 0.90 -0.01	49.79 1.21 0.00	57.42 1.30 0.00	55.32 1.31 0.00	54.49 1.42 0.00	60.31 0.88 -5.87	61.10 1.10 -5.98	40.22 1.18 -2.57	47.38 1.78 -2.72	46.35 1.98 0.00	44.96 1.55 0.00	53.00 1.05 -2.40	55.42 1.47 -3.73	56.43 1.09 -3.75	56.03 1.13 -0.08	127.94 3.39 -12.49	73.62 2.49 -7.40	64.70 2.39 -4.42	64.41 2.24 -3.98	67.43 1.99 -1.85	58.47 1.79 -3.84	59.82 2.32 -3.76	43.72 1.77 0.00
KEDC_GLWD_GT4 24219	59.28 1.67 -2.91	58.02 1.46 -0.01	50.13 1.55 0.00	57.85 1.73 0.00	55.68 1.67 0.00	54.81 1.73 -0.01	55.25 1.69 0.00	55.95 1.92 0.00	37.98 1.51 0.00	44.85 1.97 0.00	46.51 2.15 0.00	45.34 1.92 -0.01	51.48 1.93 0.00	52.33 2.12 0.00	53.38 1.79 0.00	56.71 1.88 0.00	116.35 4.29 0.00	69.48 2.90 -2.85	60.52 2.63 0.00	60.78 2.59 0.00	66.36 2.77 0.00	55.22 2.39 0.00	56.29 2.55 0.00	44.04 2.08 0.00
KEDC_GLWD_GT5 24220	59.28 1.67 -2.91	58.02 1.46 -0.01	50.13 1.55 0.00	57.85 1.73 0.00	55.68 1.67 0.00	54.81 1.73 -0.01	55.25 1.69 0.00	55.95 1.92 0.00	37.98 1.51 0.00	44.85 1.97 0.00	46.51 2.15 0.00	45.34 1.92 -0.01	51.48 1.93 0.00	52.33 2.12 0.00	53.38 1.79 0.00	56.71 1.88 0.00	116.35 4.29 0.00	69.48 2.90 -2.85	60.52 2.63 0.00	60.78 2.59 0.00	66.36 2.77 0.00	55.22 2.39 0.00	56.29 2.55 0.00	44.04 2.08 0.00
KENSICO____ 23655	55.93 1.24 0.00	57.72 1.16 0.00	49.82 1.25 0.00	57.55 1.42 0.00	55.37 1.36 0.00	54.51 1.43 0.00	55.12 1.56 0.00	55.81 1.78 0.00	37.80 1.33 0.00	44.51 1.62 0.00	46.12 1.75 0.00	45.02 1.61 0.00	51.29 1.74 0.00	52.01 1.79 0.00	53.16 1.58 0.00	56.45 1.63 0.00	115.76 3.69 0.00	66.26 2.52 0.00	60.10 2.22 0.00	60.38 2.19 0.00	66.08 2.49 0.00	54.98 2.15 0.00	55.97 2.22 0.00	43.82 1.86 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	56.49 1.79 0.00	58.34 1.78 0.00	50.27 1.69 0.00	58.09 1.97 0.00	55.91 1.91 0.00	55.08 2.01 0.00	55.70 2.14 0.00	56.38 2.36 0.00	38.14 1.66 0.00	44.86 1.98 0.00	46.49 2.12 0.00	45.26 1.84 0.00	51.74 2.18 0.00	52.40 2.18 0.00	53.42 1.83 0.00	57.09 2.26 0.00	117.20 5.14 0.00	67.02 3.29 0.00	60.83 2.95 0.00	61.11 2.91 0.00	66.76 3.17 0.00	55.44 2.61 0.00	56.41 2.66 0.00	44.08 2.12 0.00



KIAC_JFK_GT1 23816	55.76 1.06 0.00	57.46 0.91 0.00	49.64 1.06 0.00	57.29 1.16 0.00	55.12 1.11 0.00	54.16 1.09 0.00	54.65 1.09 0.00	55.39 1.37 0.00	37.60 1.13 0.00	44.54 1.65 0.00	46.16 1.79 0.00	45.02 1.60 0.00	51.30 1.75 0.00	52.05 1.84 0.00	53.02 1.43 0.00	56.02 1.19 0.00	114.80 2.73 0.00	65.81 2.08 0.00	59.67 1.79 0.00	59.97 1.78 0.00	65.99 2.40 0.00	54.90 2.08 0.00	55.89 2.14 0.00	43.79 1.84 0.00
KIAC_JFK_GT2 23817	55.76 1.06 0.00	57.46 0.91 0.00	49.64 1.06 0.00	57.29 1.16 0.00	55.12 1.11 0.00	54.16 1.09 0.00	54.65 1.09 0.00	55.39 1.37 0.00	37.60 1.13 0.00	44.54 1.65 0.00	46.16 1.79 0.00	45.02 1.60 0.00	51.30 1.75 0.00	52.05 1.84 0.00	53.02 1.43 0.00	56.02 1.19 0.00	114.80 2.73 0.00	65.81 2.08 0.00	59.67 1.79 0.00	59.97 1.78 0.00	65.99 2.40 0.00	54.90 2.08 0.00	55.89 2.14 0.00	43.79 1.84 0.00
KIAC_JFK____ 323774	55.76 1.06 0.00	57.46 0.90 0.00	49.64 1.07 0.00	57.29 1.17 0.00	55.12 1.11 0.00	54.16 1.09 0.00	54.65 1.09 0.00	55.38 1.36 0.00	37.60 1.13 0.00	44.53 1.65 0.00	46.16 1.79 0.00	45.02 1.60 0.00	51.30 1.74 0.00	52.05 1.84 0.00	53.02 1.43 0.00	56.02 1.20 0.00	114.81 2.74 0.00	65.83 2.09 0.00	59.68 1.79 0.00	59.99 1.79 0.00	66.00 2.41 0.00	54.92 2.09 0.00	55.89 2.14 0.00	43.79 1.84 0.00
KINTIGH__24_KV_GSU 356498	52.08 -2.62 0.00	53.51 -3.05 0.00	45.33 -3.25 0.00	52.58 -3.55 0.00	50.28 -3.72 0.00	49.53 -3.55 0.00	49.59 -3.98 0.00	49.06 -4.83 0.13	32.53 -3.21 0.73	39.75 -3.13 0.00	41.22 -3.15 0.00	40.60 -2.81 0.00	46.20 -3.35 0.00	47.18 -3.04 0.00	47.67 -3.56 0.36	46.51 -4.22 4.10	78.89 -9.65 23.51	37.25 -5.74 20.75	39.70 -5.69 12.49	32.32 -5.65 20.23	39.86 -6.43 17.30	32.09 -5.43 15.31	35.98 -5.17 12.60	20.81 -3.86 17.28
KINTIGH____ 23543	52.05 -2.64 0.00	53.47 -3.08 0.00	45.31 -3.27 0.00	52.54 -3.58 0.00	50.24 -3.77 0.00	49.50 -3.58 0.00	49.56 -4.00 0.00	49.04 -4.85 0.13	32.52 -3.23 0.73	39.74 -3.15 0.00	41.19 -3.18 0.00	40.58 -2.84 0.00	46.18 -3.38 0.00	47.15 -3.07 0.00	47.65 -3.58 0.36	46.48 -4.25 4.10	78.86 -9.68 23.51	37.32 -5.67 20.75	39.72 -5.67 12.49	32.32 -5.65 20.23	39.83 -6.46 17.30	32.11 -5.41 15.31	35.96 -5.19 12.60	20.80 -3.88 17.28
KNTFSRNC_46_KV_46KV_LOAD 80397	57.03 2.33 0.00	58.89 2.33 0.00	50.42 1.84 0.00	58.28 2.16 0.00	56.06 2.05 0.00	55.08 2.01 0.00	55.59 2.03 0.00	55.98 1.96 0.00	37.76 1.29 0.00	44.44 1.55 0.00	46.07 1.70 0.00	45.09 1.67 0.00	51.52 1.97 0.00	52.13 1.91 0.00	53.58 1.99 0.00	56.71 1.88 0.00	115.71 3.65 0.00	66.14 2.41 0.00	59.69 1.80 0.00	59.96 1.77 0.00	65.83 2.24 0.00	54.49 1.66 0.00	55.46 1.72 0.00	43.19 1.23 0.00
LACHUTE____HYDRO 323717	59.35 4.66 0.00	61.80 5.24 0.00	53.14 4.56 0.00	61.36 5.23 0.00	59.36 5.35 0.00	58.33 5.26 0.00	59.61 6.05 0.00	60.69 6.66 0.00	40.42 3.94 0.00	45.91 3.03 0.00	47.02 2.65 0.00	46.29 2.88 0.00	53.63 4.07 0.00	54.03 3.81 0.00	56.68 5.09 0.00	61.55 6.72 0.00	126.22 14.16 0.00	71.29 7.55 0.00	65.16 7.27 0.00	65.42 7.23 0.00	70.67 7.08 0.00	58.53 5.71 0.00	59.39 5.64 0.00	46.32 4.37 0.00
LAWRNCALV_115KV_TB1 80681	57.01 2.32 0.00	58.90 2.34 0.00	50.44 1.86 0.00	58.29 2.17 0.00	56.08 2.07 0.00	55.11 2.03 0.00	55.60 2.04 0.00	55.97 1.94 0.00	37.70 1.22 0.00	44.43 1.54 0.00	46.03 1.66 0.00	45.12 1.70 0.00	51.61 2.06 0.00	52.24 2.03 0.00	53.60 2.01 0.00	56.51 1.68 0.00	114.65 2.59 0.00	65.06 1.32 0.00	58.81 0.93 0.00	59.29 1.10 0.00	65.30 1.71 0.00	54.38 1.54 0.00	55.38 1.63 0.00	42.97 1.02 0.00
LEDERLE____ 23769	56.10 1.40 0.00	57.88 1.33 0.00	49.96 1.38 0.00	57.72 1.59 0.00	55.52 1.52 0.00	54.67 1.60 0.00	55.32 1.76 0.00	56.00 1.98 0.00	37.91 1.43 0.00	44.62 1.74 0.00	46.22 1.85 0.00	45.15 1.73 0.00	51.44 1.89 0.00	52.15 1.93 0.00	53.32 1.73 0.00	56.65 1.82 0.00	116.28 4.22 0.00	66.55 2.81 0.00	60.36 2.47 0.00	60.63 2.43 0.00	66.30 2.71 0.00	55.09 2.26 0.00	56.12 2.38 0.00	43.94 1.99 0.00
LIGHTHSE_115KV_TB6 355974	53.80 -0.89 0.00	55.54 -1.02 0.00	47.62 -0.96 0.00	55.03 -1.10 0.00	52.95 -1.06 0.00	52.11 -0.97 0.00	52.65 -0.91 0.00	53.01 -1.01 0.00	35.76 -0.72 0.00	42.12 -0.76 0.00	43.61 -0.75 0.00	42.60 -0.81 0.00	48.70 -0.86 0.00	49.29 -0.93 0.00	50.51 -1.08 0.00	53.60 -1.23 0.00	109.67 -2.39 0.00	62.11 -1.63 0.00	56.20 -1.69 0.00	56.47 -1.73 0.00	61.51 -2.08 0.00	51.10 -1.73 0.00	52.03 -1.71 0.00	40.40 -1.56 0.00
LINDEN COGEN____ 23786	32.15 1.13 23.68	40.60 1.00 16.96	41.44 1.16 8.30	40.60 1.32 16.84	32.15 1.25 23.11	41.05 1.33 13.35	55.06 1.50 0.00	55.79 1.77 0.00	37.40 1.38 0.45	39.34 1.68 5.23	41.79 1.84 4.41	41.79 1.68 3.30	41.79 1.82 9.59	42.05 1.87 10.04	46.07 1.61 7.12	52.17 1.57 4.23	99.88 3.55 15.72	52.41 2.51 13.84	46.25 2.15 13.79	46.16 2.13 14.16	48.18 2.43 17.84	42.28 2.10 12.66	41.79 2.22 14.17	42.01 1.90 1.84
LINDHRST_69_KV_BK1 356055	58.11 2.12 -1.30	58.24 1.68 0.00	50.40 1.82 0.00	58.11 1.98 0.00	55.94 1.94 0.00	55.08 2.00 0.00	56.79 1.83 -1.40	57.53 2.07 -1.43	38.78 1.70 -0.61	45.82 2.28 -0.65	46.80 2.43 0.00	45.44 2.02 0.00	52.00 1.87 -0.57	53.50 2.39 -0.89	54.41 1.93 -0.90	56.93 2.09 -0.02	120.20 5.15 -2.99	70.40 3.38 -3.28	62.19 3.24 -1.06	62.29 3.15 -0.95	67.23 3.19 -0.44	56.54 2.79 -0.92	57.67 3.02 -0.90	44.27 2.32 0.00
LIPA_MISC_IPP 23656	55.40 1.30 0.60	57.41 0.85 -0.01	49.78 1.20 0.00	57.40 1.27 0.00	55.33 1.33 0.00	54.58 1.50 0.00	61.92 1.07 -7.29	62.76 1.31 -7.43	40.95 1.28 -3.20	48.08 1.82 -3.38	46.33 1.97 0.00	44.95 1.53 0.00	53.59 1.05 -2.98	56.35 1.50 -4.63	57.48 1.23 -4.66	56.28 1.35 -0.10	131.52 3.94 -15.53	75.36 2.83 -8.79	66.11 2.72 -5.50	65.66 2.51 -4.95	68.05 2.16 -2.30	59.50 1.89 -4.78	60.85 2.43 -4.67	43.78 1.82 0.00
LISF____SOLAR 323691	55.48 1.38 0.60	57.50 0.94 -0.01	49.86 1.28 0.00	57.49 1.36 0.00	55.42 1.41 0.00	54.67 1.60 0.00	61.74 1.14 -7.04	62.56 1.36 -7.18	40.88 1.32 -3.08	48.00 1.85 -3.26	46.36 1.99 0.00	44.96 1.55 0.00	53.50 1.07 -2.88	56.21 1.52 -4.48	57.38 1.29 -4.50	56.35 1.43 -0.09	131.22 4.17 -14.99	75.25 2.97 -8.55	66.03 2.83 -5.31	65.61 2.64 -4.78	68.09 2.28 -2.22	59.43 1.99 -4.61	60.80 2.54 -4.51	43.85 1.89 0.00
LITTLE FALLS____HYD 24013	57.59 2.90 0.00	59.69 3.14 0.00	51.38 2.81 0.00	59.40 3.27 0.00	57.23 3.23 0.00	56.25 3.18 0.00	56.76 3.21 0.00	57.18 3.16 0.00	37.96 1.49 0.00	44.01 1.12 0.00	45.29 0.93 0.00	44.86 1.45 0.00	51.40 1.84 0.00	52.00 1.78 0.00	53.64 2.05 0.00	57.78 2.95 0.00	118.47 6.41 0.00	67.51 3.77 0.00	61.99 4.11 0.00	62.18 3.98 0.00	67.73 4.15 0.00	56.29 3.46 0.00	57.27 3.52 0.00	44.82 2.87 0.00



LITTLRIV_115KV_TB1 356100	57.71 3.02 0.00	59.62 3.07 0.00	51.03 2.45 0.00	58.96 2.84 0.00	56.73 2.72 0.00	55.77 2.70 0.00	56.31 2.75 0.00	56.69 2.67 0.00	38.07 1.60 0.00	44.83 1.95 0.00	46.42 2.06 0.00	45.46 2.05 0.00	52.10 2.55 0.00	52.76 2.54 0.00	54.22 2.64 0.00	57.17 2.34 0.00	116.00 3.94 0.00	65.86 2.13 0.00	59.50 1.62 0.00	59.99 1.79 0.00	66.06 2.47 0.00	55.03 2.20 0.00	56.08 2.33 0.00	43.49 1.53 0.00
LI_NEWBRDGE___DRP 323616	53.63 1.26 2.32	57.40 0.85 0.01	49.68 1.11 0.00	57.31 1.19 0.00	55.16 1.15 0.00	54.30 1.23 0.01	54.54 0.98 0.00	55.26 1.23 0.00	37.59 1.12 0.00	44.45 1.57 0.00	46.15 1.78 0.00	44.88 1.46 0.01	50.79 1.23 0.00	51.74 1.52 0.00	52.71 1.12 0.00	56.04 1.21 0.00	115.11 3.04 0.00	67.47 2.23 -1.51	59.96 2.08 0.00	60.21 2.01 0.00	65.64 2.05 0.00	54.65 1.82 0.00	55.81 2.06 0.00	43.63 1.67 0.00
LOCKPORT_115KV_TB60_63_64 80432	52.02 -2.68 0.00	53.39 -3.16 0.00	45.07 -3.51 0.00	52.27 -3.85 0.00	49.95 -4.06 0.00	49.20 -3.87 0.00	49.17 -4.39 0.00	48.33 -5.54 0.16	31.89 -3.68 0.90	39.27 -3.62 0.00	40.72 -3.65 0.00	40.16 -3.25 0.00	45.63 -3.92 0.00	46.64 -3.58 0.00	47.00 -4.15 0.44	44.93 -4.85 5.06	72.00 -10.96 29.11	31.75 -6.21 25.78	36.19 -6.27 15.43	26.89 -6.09 25.22	35.08 -7.07 21.44	27.98 -5.92 18.93	32.58 -5.60 15.56	16.43 -4.18 21.35
LOCKPORT___CC1 323769	51.97 -2.72 0.00	53.35 -3.20 0.00	45.02 -3.56 0.00	52.23 -3.89 0.00	49.90 -4.11 0.00	49.16 -3.92 0.00	49.12 -4.44 0.00	48.26 -5.60 0.16	31.83 -3.71 0.93	39.24 -3.64 0.00	40.69 -3.68 0.00	40.13 -3.29 0.00	45.59 -3.97 0.00	46.59 -3.63 0.00	46.91 -4.23 0.45	44.70 -4.94 5.18	71.05 -11.19 29.82	30.82 -6.49 26.43	35.59 -6.47 15.82	26.03 -6.30 25.87	34.38 -7.22 21.98	27.32 -6.10 19.41	32.04 -5.75 15.96	15.78 -4.28 21.89
LOCKPORT___CC2 323770	51.97 -2.72 0.00	53.35 -3.20 0.00	45.02 -3.56 0.00	52.23 -3.89 0.00	49.90 -4.11 0.00	49.16 -3.92 0.00	49.12 -4.44 0.00	48.26 -5.60 0.16	31.83 -3.71 0.93	39.24 -3.64 0.00	40.69 -3.68 0.00	40.13 -3.29 0.00	45.59 -3.97 0.00	46.59 -3.63 0.00	46.91 -4.23 0.45	44.70 -4.94 5.18	71.05 -11.19 29.82	30.82 -6.49 26.43	35.59 -6.47 15.82	26.03 -6.30 25.87	34.38 -7.22 21.98	27.32 -6.10 19.41	32.04 -5.75 15.96	15.78 -4.28 21.89
LOCKPORT___CC3 323771	51.97 -2.72 0.00	53.35 -3.20 0.00	45.02 -3.56 0.00	52.23 -3.89 0.00	49.90 -4.11 0.00	49.16 -3.92 0.00	49.12 -4.44 0.00	48.26 -5.60 0.16	31.83 -3.71 0.93	39.24 -3.64 0.00	40.69 -3.68 0.00	40.13 -3.29 0.00	45.59 -3.97 0.00	46.59 -3.63 0.00	46.91 -4.23 0.45	44.70 -4.94 5.18	71.05 -11.19 29.82	30.82 -6.49 26.43	35.59 -6.47 15.82	26.03 -6.30 25.87	34.38 -7.22 21.98	27.32 -6.10 19.41	32.04 -5.75 15.96	15.78 -4.28 21.89
LOCUSVLY_69_KV_BK2 55797	58.20 1.71 -1.80	57.95 1.40 0.00	50.13 1.55 0.00	57.82 1.70 0.00	55.66 1.65 0.00	54.80 1.72 0.00	53.56 1.58 1.58	54.24 1.83 1.61	37.26 1.48 0.69	44.14 1.98 0.73	46.57 2.20 0.00	45.35 1.93 -0.01	50.73 1.82 0.65	51.29 2.08 1.01	52.27 1.69 1.01	56.63 1.82 0.02	112.94 4.24 3.37	67.61 2.90 -0.97	59.37 2.67 1.19	59.72 2.60 1.07	65.79 2.70 0.50	54.13 2.34 1.04	55.28 2.55 1.01	44.03 2.07 0.00
LONG_LAKE_PHOENIX 24014	52.91 -1.79 0.00	54.60 -1.95 0.00	46.87 -1.71 0.00	54.13 -1.99 0.00	52.08 -1.93 0.00	51.25 -1.82 0.00	51.75 -1.81 0.00	52.14 -1.89 0.00	35.23 -1.25 0.00	41.41 -1.47 0.00	42.89 -1.48 0.00	41.95 -1.47 0.00	47.86 -1.70 0.00	48.58 -1.64 0.00	49.91 -1.67 0.00	53.06 -1.76 0.00	108.47 -3.60 0.00	61.66 -2.08 0.00	55.98 -1.90 0.00	56.23 -1.96 0.00	61.33 -2.26 0.00	50.91 -1.91 0.00	51.75 -2.00 0.00	40.47 -1.49 0.00
LOVETT___3 23632	55.81 1.11 0.00	57.59 1.04 0.00	49.72 1.14 0.00	57.44 1.32 0.00	55.26 1.25 0.00	54.40 1.33 0.00	55.02 1.46 0.00	55.70 1.68 0.00	37.71 1.24 0.00	44.40 1.52 0.00	45.99 1.62 0.00	44.91 1.49 0.00	51.16 1.60 0.00	51.88 1.66 0.00	53.04 1.45 0.00	56.33 1.50 0.00	115.56 3.50 0.00	66.14 2.40 0.00	59.98 2.09 0.00	60.23 2.04 0.00	65.88 2.29 0.00	54.78 1.95 0.00	55.81 2.06 0.00	43.71 1.75 0.00
LOVETT___4 23642	55.81 1.11 0.00	57.59 1.04 0.00	49.72 1.14 0.00	57.44 1.32 0.00	55.26 1.25 0.00	54.40 1.33 0.00	55.02 1.46 0.00	55.70 1.68 0.00	37.71 1.24 0.00	44.40 1.52 0.00	45.99 1.62 0.00	44.91 1.49 0.00	51.16 1.60 0.00	51.88 1.66 0.00	53.04 1.45 0.00	56.33 1.50 0.00	115.56 3.50 0.00	66.14 2.40 0.00	59.98 2.09 0.00	60.23 2.04 0.00	65.88 2.29 0.00	54.78 1.95 0.00	55.81 2.06 0.00	43.71 1.75 0.00
LOVETT___5 23593	55.81 1.11 0.00	57.59 1.04 0.00	49.72 1.14 0.00	57.44 1.32 0.00	55.26 1.25 0.00	54.40 1.33 0.00	55.02 1.46 0.00	55.70 1.68 0.00	37.71 1.24 0.00	44.40 1.52 0.00	45.99 1.62 0.00	44.91 1.49 0.00	51.16 1.60 0.00	51.88 1.66 0.00	53.04 1.45 0.00	56.33 1.50 0.00	115.56 3.50 0.00	66.14 2.40 0.00	59.98 2.09 0.00	60.23 2.04 0.00	65.88 2.29 0.00	54.78 1.95 0.00	55.81 2.06 0.00	43.71 1.75 0.00
LOWER RAQUET___HYD 24057	57.05 2.35 0.00	58.94 2.38 0.00	50.46 1.88 0.00	58.30 2.18 0.00	56.09 2.08 0.00	55.13 2.05 0.00	55.61 2.05 0.00	56.00 1.98 0.00	37.70 1.22 0.00	44.44 1.55 0.00	46.04 1.67 0.00	45.12 1.70 0.00	51.62 2.07 0.00	52.26 2.04 0.00	53.62 2.03 0.00	56.45 1.63 0.00	114.42 2.36 0.00	64.90 1.16 0.00	58.64 0.76 0.00	59.15 0.95 0.00	65.22 1.63 0.00	54.35 1.52 0.00	55.36 1.62 0.00	42.95 0.99 0.00
LOWER___HUDSON 24059	55.09 0.39 0.00	57.07 0.51 0.00	49.17 0.59 0.00	56.72 0.60 0.00	54.74 0.73 0.00	53.69 0.61 0.00	54.33 0.77 0.00	55.04 1.02 0.00	37.11 0.63 0.00	43.22 0.34 0.00	44.52 0.15 0.00	43.43 0.01 0.00	49.75 0.19 0.00	50.35 0.13 0.00	52.07 0.48 0.00	55.80 0.97 0.00	114.55 2.48 0.00	65.21 1.47 0.00	59.53 1.65 0.00	59.83 1.63 0.00	65.32 1.73 0.00	54.30 1.47 0.00	55.19 1.44 0.00	43.23 1.27 0.00
LOWVILLE_115KV_TB2 356335	56.14 1.45 0.00	58.02 1.47 0.00	49.75 1.18 0.00	57.52 1.40 0.00	55.35 1.34 0.00	54.48 1.41 0.00	55.03 1.47 0.00	55.40 1.38 0.00	37.25 0.78 0.00	43.82 0.94 0.00	45.37 1.01 0.00	44.30 0.88 0.00	50.68 1.13 0.00	51.15 0.94 0.00	52.09 0.50 0.00	54.96 0.14 0.00	112.65 0.59 0.00	63.25 -0.49 0.00	57.52 -0.37 0.00	57.52 -0.68 0.00	62.97 -0.62 0.00	52.27 -0.56 0.00	53.38 -0.36 0.00	41.11 -0.85 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	56.32 1.62 0.00	58.39 1.83 0.00	50.25 1.67 0.00	58.03 1.90 0.00	55.96 1.96 0.00	54.93 1.86 0.00	55.63 2.07 0.00	56.31 2.29 0.00	37.84 1.36 0.00	44.03 1.15 0.00	45.36 0.99 0.00	44.45 1.04 0.00	50.96 1.41 0.00	51.54 1.32 0.00	53.30 1.71 0.00	57.12 2.30 0.00	117.20 5.14 0.00	66.66 2.92 0.00	60.80 2.92 0.00	61.05 2.86 0.00	66.63 3.04 0.00	55.35 2.52 0.00	56.24 2.49 0.00	43.95 2.00 0.00



LUTHERNY_35_KV_BK2 355980	56.32 1.63 0.00	58.40 1.84 0.00	50.25 1.67 0.00	58.02 1.90 0.00	55.96 1.96 0.00	54.93 1.86 0.00	55.67 2.11 0.00	56.32 2.30 0.00	37.85 1.38 0.00	44.07 1.18 0.00	45.38 1.01 0.00	44.48 1.07 0.00	51.00 1.45 0.00	51.56 1.35 0.00	53.36 1.77 0.00	57.16 2.33 0.00	117.28 5.21 0.00	66.71 2.97 0.00	60.90 3.02 0.00	61.11 2.92 0.00	66.72 3.13 0.00	55.41 2.58 0.00	56.27 2.52 0.00	43.97 2.01 0.00
LWR___OSWEGATCHIE_HYD 23850	56.19 1.50 0.00	58.05 1.49 0.00	49.72 1.14 0.00	57.47 1.35 0.00	55.30 1.30 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.18 1.16 0.00	37.11 0.63 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.14 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.52 -0.22 0.00	57.50 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
LYONS_FALL_HYD 23570	55.92 1.22 0.00	57.80 1.24 0.00	49.60 1.02 0.00	57.34 1.21 0.00	55.18 1.17 0.00	54.30 1.23 0.00	54.86 1.30 0.00	55.28 1.26 0.00	37.23 0.76 0.00	43.78 0.89 0.00	45.28 0.91 0.00	44.29 0.87 0.00	50.57 1.01 0.00	51.11 0.89 0.00	52.27 0.69 0.00	55.34 0.51 0.00	113.36 1.30 0.00	63.97 0.23 0.00	58.12 0.24 0.00	58.22 0.03 0.00	63.66 0.07 0.00	52.83 0.00 0.00	53.85 0.10 0.00	41.66 -0.29 0.00
MADISON___COUNTY_LFGE 323628	55.69 0.99 0.00	57.62 1.07 0.00	49.49 0.91 0.00	57.21 1.08 0.00	55.06 1.05 0.00	54.17 1.10 0.00	54.77 1.21 0.00	55.21 1.19 0.00	37.24 0.77 0.00	43.73 0.85 0.00	45.22 0.85 0.00	44.33 0.91 0.00	50.44 0.89 0.00	51.07 0.85 0.00	52.59 1.00 0.00	55.95 1.12 0.00	114.60 2.54 0.00	65.06 1.32 0.00	59.00 1.11 0.00	59.21 1.02 0.00	64.61 1.03 0.00	53.58 0.75 0.00	54.45 0.70 0.00	42.41 0.45 0.00
MALONE___115KV_TB1 356076	57.30 2.60 0.00	59.15 2.60 0.00	50.65 2.07 0.00	58.52 2.39 0.00	56.31 2.30 0.00	55.33 2.26 0.00	55.88 2.32 0.00	56.27 2.25 0.00	37.98 1.51 0.00	44.77 1.89 0.00	46.35 1.98 0.00	45.47 2.05 0.00	51.93 2.38 0.00	52.58 2.36 0.00	54.02 2.43 0.00	57.00 2.17 0.00	116.05 3.98 0.00	66.33 2.60 0.00	59.80 1.92 0.00	60.12 1.92 0.00	66.08 2.49 0.00	54.74 1.91 0.00	55.74 1.99 0.00	43.34 1.38 0.00
MAPLEWOD_115KV_TB3 80458	54.76 0.07 0.00	56.69 0.13 0.00	48.88 0.30 0.00	56.38 0.26 0.00	54.39 0.38 0.00	53.35 0.28 0.00	53.95 0.39 0.00	54.64 0.62 0.00	36.91 0.43 0.00	43.05 0.16 0.00	44.38 0.02 0.00	43.34 -0.07 0.00	49.61 0.05 0.00	50.20 -0.02 0.00	51.81 0.22 0.00	55.42 0.59 0.00	113.62 1.56 0.00	64.75 1.01 0.00	59.03 1.14 0.00	59.34 1.14 0.00	64.79 1.21 0.00	53.88 1.06 0.00	54.75 1.01 0.00	42.94 0.99 0.00
MAPLE_RIDGE_WT_1 323574	55.01 0.32 0.00	56.86 0.30 0.00	48.83 0.25 0.00	56.41 0.29 0.00	54.30 0.29 0.00	53.34 0.27 0.00	53.83 0.27 0.00	54.28 0.25 0.00	36.62 0.14 0.00	43.09 0.20 0.00	44.59 0.22 0.00	43.63 0.22 0.00	49.72 0.16 0.00	50.31 0.09 0.00	51.50 -0.09 0.00	54.35 -0.48 0.00	111.00 -1.07 0.00	62.69 -1.05 0.00	56.44 -1.45 0.00	56.73 -1.46 0.00	62.18 -1.41 0.00	51.68 -1.15 0.00	52.76 -0.98 0.00	41.26 -0.70 0.00
MAPLE_RIDGE_WT_2 323611	55.01 0.32 0.00	56.86 0.30 0.00	48.83 0.25 0.00	56.41 0.29 0.00	54.30 0.29 0.00	53.34 0.27 0.00	53.83 0.27 0.00	54.28 0.25 0.00	36.62 0.14 0.00	43.09 0.20 0.00	44.59 0.22 0.00	43.63 0.22 0.00	49.72 0.16 0.00	50.31 0.09 0.00	51.50 -0.09 0.00	54.35 -0.48 0.00	111.00 -1.07 0.00	62.69 -1.05 0.00	56.44 -1.45 0.00	56.73 -1.46 0.00	62.18 -1.41 0.00	51.68 -1.15 0.00	52.76 -0.98 0.00	41.26 -0.70 0.00
MARBLE_RIVER_WT_PWR 323696	56.31 1.61 0.00	58.16 1.60 0.00	49.83 1.25 0.00	57.59 1.46 0.00	55.40 1.39 0.00	54.44 1.37 0.00	54.94 1.38 0.00	55.31 1.29 0.00	37.33 0.85 0.00	43.99 1.11 0.00	45.56 1.19 0.00	44.66 1.25 0.00	51.02 1.46 0.00	51.63 1.41 0.00	53.03 1.44 0.00	56.00 1.17 0.00	114.17 2.11 0.00	65.16 1.42 0.00	58.87 0.99 0.00	59.17 0.97 0.00	64.99 1.40 0.00	53.82 0.99 0.00	54.82 1.07 0.00	42.71 0.75 0.00
MARSHVLE_115KV_TB1 80742	55.35 0.65 0.00	57.18 0.63 0.00	49.11 0.53 0.00	56.70 0.58 0.00	54.57 0.56 0.00	53.66 0.59 0.00	54.04 0.48 0.00	54.30 0.28 0.00	36.26 -0.22 0.00	42.66 -0.22 0.00	44.38 0.01 0.00	43.52 0.11 0.00	49.89 0.34 0.00	50.36 0.15 0.00	51.89 0.30 0.00	55.15 0.32 0.00	112.41 0.35 0.00	63.71 -0.03 0.00	57.95 0.06 0.00	58.24 0.04 0.00	63.55 -0.04 0.00	52.83 0.00 0.00	53.78 0.03 0.00	41.95 0.00 0.00
MARSH_HILL_WT_PWR 323713	52.92 -1.77 0.00	54.96 -1.60 0.00	46.45 -2.13 0.00	54.05 -2.08 0.00	51.51 -2.49 0.00	50.71 -2.36 0.00	50.79 -2.78 0.00	49.56 -3.97 0.50	30.64 -3.02 2.81	39.52 -3.36 0.00	40.86 -3.51 0.00	40.20 -3.21 0.00	45.26 -4.29 0.00	45.99 -4.23 0.00	45.34 -4.88 1.38	33.01 -6.12 15.69	12.25 -10.74 89.06	-19.39 -6.24 76.88	3.44 -6.91 47.54	-22.11 -6.77 73.54	-8.88 -7.55 64.92	-11.57 -6.31 58.08	-1.12 -6.90 47.97	-28.68 -4.83 65.81
MCINTYRE_115KV_TB2 80467	58.04 3.35 0.00	59.97 3.42 0.00	51.33 2.76 0.00	59.32 3.19 0.00	57.07 3.06 0.00	56.10 3.02 0.00	56.67 3.11 0.00	57.03 3.00 0.00	38.24 1.76 0.00	45.01 2.12 0.00	46.64 2.27 0.00	45.66 2.24 0.00	52.34 2.79 0.00	53.02 2.80 0.00	54.55 2.96 0.00	57.65 2.82 0.00	117.38 5.32 0.00	66.72 2.98 0.00	60.27 2.38 0.00	60.73 2.54 0.00	66.74 3.15 0.00	55.47 2.64 0.00	56.50 2.75 0.00	43.80 1.85 0.00
MECO_____69_KV_BK1 80468	56.59 1.89 0.00	58.48 1.93 0.00	50.23 1.65 0.00	58.00 1.88 0.00	55.85 1.84 0.00	54.92 1.85 0.00	55.47 1.91 0.00	55.76 1.74 0.00	36.96 0.48 0.00	43.15 0.27 0.00	44.71 0.35 0.00	44.01 0.59 0.00	50.57 1.02 0.00	51.08 0.87 0.00	52.88 1.29 0.00	56.57 1.75 0.00	116.14 4.08 0.00	65.98 2.25 0.00	59.98 2.10 0.00	60.23 2.04 0.00	65.69 2.10 0.00	54.55 1.72 0.00	55.42 1.67 0.00	43.23 1.28 0.00
MENANDS___115KV_TB5 355628	54.40 -0.29 0.00	56.34 -0.21 0.00	48.58 0.00 0.00	56.04 -0.08 0.00	54.04 0.03 0.00	53.02 -0.05 0.00	53.61 0.05 0.00	54.29 0.27 0.00	36.72 0.25 0.00	42.84 -0.05 0.00	44.19 -0.18 0.00	43.12 -0.30 0.00	49.29 -0.26 0.00	49.89 -0.33 0.00	51.49 -0.10 0.00	55.07 0.24 0.00	112.85 0.79 0.00	64.31 0.57 0.00	58.64 0.75 0.00	58.95 0.75 0.00	64.36 0.78 0.00	53.55 0.72 0.00	54.42 0.67 0.00	42.70 0.75 0.00
MG INDUSTRY___DRP 24185	54.85 0.15 0.00	56.81 0.25 0.00	48.94 0.36 0.00	56.49 0.37 0.00	54.45 0.44 0.00	53.42 0.34 0.00	53.93 0.37 0.00	54.51 0.49 0.00	36.79 0.31 0.00	42.97 0.08 0.00	44.34 -0.03 0.00	43.39 -0.03 0.00	49.60 0.04 0.00	50.19 -0.03 0.00	51.68 0.09 0.00	55.23 0.40 0.00	113.22 1.15 0.00	64.44 0.71 0.00	58.73 0.84 0.00	59.06 0.86 0.00	64.48 0.89 0.00	53.63 0.80 0.00	54.53 0.78 0.00	42.74 0.79 0.00



MID___OSWEGATCHIE_HYD 23849	56.19 1.50 0.00	58.05 1.49 0.00	49.72 1.14 0.00	57.47 1.35 0.00	55.30 1.30 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.18 1.16 0.00	37.11 0.63 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.14 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.52 -0.22 0.00	57.50 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
MID___RAQUETTE_HYD 23851	57.05 2.35 0.00	58.94 2.38 0.00	50.46 1.89 0.00	58.30 2.18 0.00	56.09 2.08 0.00	55.13 2.05 0.00	55.61 2.05 0.00	56.00 1.98 0.00	37.70 1.22 0.00	44.44 1.55 0.00	46.04 1.67 0.00	45.12 1.70 0.00	51.62 2.07 0.00	52.25 2.04 0.00	53.62 2.03 0.00	56.45 1.62 0.00	114.42 2.35 0.00	64.88 1.14 0.00	58.64 0.75 0.00	59.14 0.95 0.00	65.22 1.63 0.00	54.34 1.52 0.00	55.36 1.61 0.00	42.94 0.98 0.00
MILLIKEN___1 23584	55.00 0.30 0.00	56.86 0.31 0.00	48.69 0.12 0.00	56.35 0.22 0.00	54.11 0.10 0.00	53.32 0.25 0.00	53.81 0.25 0.00	54.66 0.15 -0.48	39.24 0.02 -2.74	42.81 -0.08 0.00	44.35 -0.02 0.00	43.37 -0.05 0.00	49.39 -0.17 0.00	50.34 0.12 0.00	53.20 0.27 -1.34	70.33 0.16 -15.34	199.13 0.46 -86.61	133.56 0.21 -69.60	96.92 0.23 -38.80	125.71 0.10 -67.41	118.59 0.01 -54.99	100.57 -0.11 -47.85	92.69 -0.22 -39.16	95.57 -0.11 -53.72
MILLIKEN___2 23585	55.00 0.30 0.00	56.86 0.31 0.00	48.69 0.12 0.00	56.35 0.22 0.00	54.11 0.10 0.00	53.32 0.25 0.00	53.81 0.25 0.00	54.66 0.15 -0.48	39.24 0.02 -2.74	42.81 -0.08 0.00	44.35 -0.02 0.00	43.37 -0.05 0.00	49.39 -0.17 0.00	50.34 0.12 0.00	53.20 0.27 -1.34	70.33 0.16 -15.34	199.13 0.46 -86.61	133.56 0.21 -69.60	96.92 0.23 -38.80	125.71 0.10 -67.41	118.59 0.01 -54.99	100.57 -0.11 -47.85	92.69 -0.22 -39.16	95.57 -0.11 -53.72
MILLIKEN___DIESEL 23629	55.00 0.30 0.00	56.86 0.31 0.00	48.69 0.12 0.00	56.35 0.22 0.00	54.11 0.10 0.00	53.32 0.25 0.00	53.81 0.25 0.00	54.66 0.15 -0.48	39.24 0.02 -2.74	42.81 -0.08 0.00	44.35 -0.02 0.00	43.37 -0.05 0.00	49.39 -0.17 0.00	50.34 0.12 0.00	53.20 0.27 -1.34	70.33 0.16 -15.34	199.13 0.46 -86.61	133.56 0.21 -69.60	96.92 0.23 -38.80	125.71 0.10 -67.41	118.59 0.01 -54.99	100.57 -0.11 -47.85	92.69 -0.22 -39.16	95.57 -0.11 -53.72
MILLSEAT___LFGE 323607	53.11 -1.59 0.00	54.51 -2.04 0.00	46.09 -2.49 0.00	53.44 -2.68 0.00	51.12 -2.89 0.00	50.38 -2.69 0.00	50.45 -3.12 0.00	49.75 -4.13 0.15	32.80 -2.83 0.83	40.28 -2.60 0.00	41.77 -2.60 0.00	41.19 -2.23 0.00	46.79 -2.77 0.00	47.88 -2.33 0.00	48.29 -2.90 0.41	46.71 -3.45 4.67	77.45 -7.81 26.80	35.56 -4.51 23.66	38.92 -4.69 14.28	30.57 -4.58 23.05	38.45 -5.38 19.76	30.69 -4.63 17.50	34.99 -4.35 14.40	18.93 -3.27 19.76
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	55.86 1.17 0.00	57.65 1.10 0.00	49.77 1.20 0.00	57.49 1.37 0.00	55.31 1.30 0.00	54.45 1.37 0.00	55.06 1.50 0.00	55.75 1.73 0.00	37.75 1.28 0.00	44.45 1.56 0.00	46.04 1.67 0.00	44.95 1.54 0.00	51.21 1.66 0.00	51.93 1.71 0.00	53.10 1.51 0.00	56.40 1.57 0.00	115.63 3.57 0.00	66.18 2.45 0.00	60.03 2.15 0.00	60.29 2.10 0.00	65.96 2.37 0.00	54.85 2.02 0.00	55.88 2.13 0.00	43.75 1.80 0.00
MILLWOOD_13_KV_LOAD 356217	55.97 1.28 0.00	57.77 1.21 0.00	49.87 1.29 0.00	57.59 1.47 0.00	55.42 1.41 0.00	54.55 1.48 0.00	55.18 1.62 0.00	55.86 1.84 0.00	37.83 1.35 0.00	44.54 1.65 0.00	46.12 1.76 0.00	45.04 1.62 0.00	51.31 1.75 0.00	52.03 1.82 0.00	53.20 1.61 0.00	56.51 1.68 0.00	115.90 3.84 0.00	66.34 2.60 0.00	60.18 2.29 0.00	60.45 2.26 0.00	66.12 2.53 0.00	54.96 2.13 0.00	55.98 2.24 0.00	43.84 1.88 0.00
MODEL_CITY_ENERGY 24167	51.58 -3.12 0.00	52.93 -3.62 0.00	44.67 -3.91 0.00	51.83 -4.29 0.00	49.50 -4.51 0.00	48.77 -4.30 0.00	48.70 -4.86 0.00	47.78 -6.08 0.16	31.52 -4.02 0.93	38.86 -4.03 0.00	40.31 -4.06 0.00	39.74 -3.68 0.00	45.15 -4.40 0.00	46.14 -4.08 0.00	46.49 -4.64 0.46	44.25 -5.35 5.22	69.94 -12.03 30.09	30.16 -6.90 26.68	35.21 -6.80 15.87	25.41 -6.61 26.18	33.89 -7.58 22.12	26.94 -6.40 19.49	31.72 -6.02 16.01	15.50 -4.49 21.96
MODERN_LFGE___ 323580	51.58 -3.12 0.00	52.93 -3.62 0.00	44.67 -3.91 0.00	51.83 -4.29 0.00	49.50 -4.51 0.00	48.77 -4.30 0.00	48.70 -4.86 0.00	47.78 -6.08 0.16	31.52 -4.02 0.93	38.86 -4.03 0.00	40.31 -4.06 0.00	39.74 -3.68 0.00	45.15 -4.40 0.00	46.14 -4.08 0.00	46.49 -4.64 0.46	44.25 -5.35 5.22	69.94 -12.03 30.09	30.16 -6.90 26.68	35.21 -6.80 15.87	25.41 -6.61 26.18	33.89 -7.58 22.12	26.94 -6.40 19.49	31.72 -6.02 16.01	15.50 -4.49 21.96
MOHAWK_PAPER___DRP 24187	54.76 0.07 0.00	56.69 0.13 0.00	48.88 0.30 0.00	56.38 0.26 0.00	54.39 0.38 0.00	53.35 0.28 0.00	53.95 0.39 0.00	54.64 0.62 0.00	36.91 0.43 0.00	43.05 0.16 0.00	44.38 0.02 0.00	43.34 -0.07 0.00	49.61 0.05 0.00	50.20 -0.02 0.00	51.81 0.22 0.00	55.42 0.59 0.00	113.62 1.56 0.00	64.75 1.01 0.00	59.03 1.14 0.00	59.34 1.14 0.00	64.79 1.21 0.00	53.88 1.06 0.00	54.75 1.01 0.00	42.94 0.99 0.00
MOHICAN___35_KV_115KV_LD 80490	57.23 2.54 0.00	59.36 2.81 0.00	51.09 2.51 0.00	58.99 2.87 0.00	56.95 2.94 0.00	55.94 2.87 0.00	56.81 3.25 0.00	57.64 3.61 0.00	38.65 2.17 0.00	44.62 1.73 0.00	45.88 1.51 0.00	45.05 1.63 0.00	51.79 2.24 0.00	52.34 2.12 0.00	54.33 2.74 0.00	58.40 3.57 0.00	119.83 7.77 0.00	68.07 4.33 0.00	62.09 4.21 0.00	62.34 4.15 0.00	67.90 4.31 0.00	56.37 3.54 0.00	57.27 3.52 0.00	44.68 2.72 0.00
MONGAUP___HYD 23641	56.40 1.70 0.00	58.22 1.67 0.00	50.14 1.57 0.00	57.93 1.80 0.00	55.78 1.78 0.00	54.93 1.85 0.00	55.54 1.98 0.00	56.17 2.15 0.00	37.97 1.50 0.00	44.58 1.69 0.00	45.83 1.47 0.00	44.84 1.42 0.00	51.25 1.69 0.00	51.82 1.60 0.00	53.00 1.41 0.00	56.74 1.92 0.00	116.73 4.67 0.00	66.72 2.98 0.00	60.57 2.68 0.00	60.85 2.66 0.00	66.51 2.92 0.00	55.23 2.40 0.00	56.19 2.44 0.00	43.92 1.97 0.00
MONTAUK___DIESEL 23721	54.09 -0.01 0.60	56.20 -0.36 -0.01	49.01 0.43 0.00	56.67 0.55 0.00	54.99 0.98 0.00	54.95 1.87 0.00	62.34 1.60 -7.18	63.41 2.07 -7.32	41.51 1.89 -3.14	49.09 2.88 -3.33	47.38 3.01 0.00	45.87 2.46 0.00	54.31 1.82 -2.94	56.77 1.99 -4.56	58.15 1.97 -4.59	57.10 2.17 -0.10	133.69 6.34 -15.29	76.73 4.31 -8.68	67.75 4.46 -5.41	66.83 3.76 -4.87	67.42 1.57 -2.27	58.86 1.32 -4.71	61.35 3.01 -4.60	43.44 1.48 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	53.14 -1.56 0.00	55.00 -1.55 0.00	46.23 -2.35 0.00	53.58 -2.55 0.00	51.11 -2.89 0.00	50.12 -2.96 0.00	49.74 -3.82 0.22	48.54 -5.26 0.22	31.30 -3.91 1.26	38.83 -4.06 0.00	40.16 -4.21 0.00	39.79 -3.62 0.00	45.40 -4.15 0.00	46.36 -3.85 0.00	45.77 -5.20 0.62	42.35 -5.54 6.94	58.91 -13.23 39.92	21.17 -7.68 34.89	29.86 -7.34 20.69	16.62 -7.48 34.10	26.27 -8.50 28.82	20.39 -7.04 25.40	26.12 -6.76 20.87	7.96 -5.37 28.63



MORRIS RIDGE___SOLAR 323848	52.15 -2.54 0.00	54.02 -2.54 0.00	45.64 -2.94 0.00	53.06 -3.06 0.00	50.60 -3.41 0.00	49.80 -3.27 0.00	49.89 -3.67 0.00	48.95 -4.73 0.34	31.14 -3.43 1.91	39.25 -3.63 0.00	40.60 -3.77 0.00	39.99 -3.43 0.00	45.14 -4.42 0.00	45.88 -4.34 0.00	45.83 -4.83 0.93	38.44 -5.74 10.65	39.87 -11.56 60.63	2.86 -6.96 53.92	16.69 -6.75 34.45	0.03 -6.74 51.43	9.51 -7.54 46.54	4.45 -6.39 41.99	12.62 -6.37 34.76	-10.54 -4.80 47.69
MORTIMER_115KV_TB3 55949	53.30 -1.39 0.00	54.79 -1.76 0.00	46.61 -1.97 0.00	53.96 -2.16 0.00	51.71 -2.30 0.00	50.98 -2.10 0.00	51.22 -2.34 0.00	51.01 -2.92 0.10	33.98 -1.95 0.55	41.10 -1.79 0.00	42.60 -1.77 0.00	41.88 -1.53 0.00	47.73 -1.83 0.00	48.68 -1.54 0.00	49.44 -1.88 0.27	49.47 -2.30 3.05	89.51 -5.30 17.25	45.69 -3.14 14.91	45.08 -3.28 9.52	40.80 -3.33 14.07	46.86 -3.91 12.83	37.88 -3.35 11.60	40.89 -6.37 9.61	26.34 -2.44 13.18
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	56.10 1.41 0.00	57.86 1.31 0.00	49.98 1.41 0.00	57.70 1.57 0.00	55.53 1.52 0.00	54.66 1.59 0.00	55.28 1.71 0.00	55.99 1.97 0.00	37.97 1.49 0.00	44.72 1.83 0.00	46.36 2.00 0.00	45.26 1.84 0.00	51.55 2.00 0.00	52.28 2.06 0.00	53.40 1.81 0.00	56.64 1.81 0.00	116.04 3.98 0.00	66.46 2.72 0.00	60.26 2.37 0.00	60.54 2.35 0.00	66.26 2.67 0.00	55.13 2.30 0.00	56.15 2.40 0.00	43.97 2.01 0.00
MUNSVILLE_WIND_PWR 323609	57.47 2.78 0.00	59.62 3.07 0.00	51.17 2.59 0.00	59.23 3.10 0.00	56.96 2.95 0.00	56.25 3.18 0.00	57.00 3.43 0.00	57.67 3.41 -0.24	39.96 2.12 -1.37	45.09 2.20 0.00	46.32 1.95 0.00	45.53 2.12 0.00	51.58 2.03 0.00	52.24 2.02 0.00	54.61 2.35 -0.67	64.56 2.07 -7.67	159.23 3.94 -43.22	101.02 2.04 -35.24	81.15 2.85 -20.41	94.16 2.14 -33.83	93.82 1.75 -28.48	79.00 1.09 -25.08	75.26 0.91 -20.60	70.98 0.76 -28.26
N SALMON___HYD 24042	57.30 2.60 0.00	59.16 2.60 0.00	50.65 2.07 0.00	58.52 2.39 0.00	56.31 2.30 0.00	55.33 2.26 0.00	55.88 2.32 0.00	56.27 2.25 0.00	37.98 1.51 0.00	44.77 1.89 0.00	46.35 1.98 0.00	45.47 2.05 0.00	51.93 2.38 0.00	52.58 2.36 0.00	54.02 2.43 0.00	57.00 2.17 0.00	116.05 3.98 0.00	66.34 2.60 0.00	59.81 1.92 0.00	60.11 1.92 0.00	66.07 2.48 0.00	54.75 1.92 0.00	55.74 1.99 0.00	43.34 1.39 0.00
N.AKRON__115KV_KNAPP 355671	52.82 -1.87 0.00	54.21 -2.34 0.00	45.80 -2.78 0.00	53.12 -3.00 0.00	50.79 -3.23 0.00	50.05 -3.02 0.00	50.09 -3.47 0.00	49.34 -4.53 0.15	32.54 -3.07 0.86	40.00 -2.88 0.00	41.48 -2.89 0.00	40.91 -2.51 0.00	46.47 -3.09 0.00	47.53 -2.69 0.00	47.91 -3.26 0.42	46.15 -3.85 4.82	75.61 -8.74 27.72	34.27 -4.97 24.50	38.03 -5.12 14.73	29.29 -4.99 23.91	37.29 -5.88 20.42	29.78 -4.99 18.07	34.18 -4.71 14.86	18.05 -3.52 20.39
N.E_GEN_SANDY PD 24062	55.70 0.10 -0.91	56.77 0.21 0.00	48.99 0.41 0.00	56.49 0.37 0.00	54.56 0.56 0.00	53.14 0.37 0.31	53.89 0.54 0.21	54.87 0.85 0.00	37.04 0.57 0.00	43.09 0.20 0.00	44.35 -0.02 0.00	42.36 -0.31 0.75	49.40 -0.15 0.00	49.98 -0.24 0.00	49.43 0.17 2.33	61.35 0.73 -5.79	114.17 2.11 0.00	67.19 1.22 -2.23	64.53 1.53 -5.12	66.66 1.54 -6.93	70.03 1.63 -4.81	56.82 1.42 -2.57	65.94 1.42 -10.77	49.85 1.31 -6.58
N. HEMPST_138_KV_BK345_REV_LBMP_G 345014	55.89 1.19 0.00	57.65 1.10 0.00	49.77 1.19 0.00	57.52 1.39 0.00	55.32 1.31 0.00	54.47 1.39 0.00	55.11 1.55 0.00	55.79 1.77 0.00	37.77 1.30 0.00	44.45 1.57 0.00	46.03 1.66 0.00	44.96 1.54 0.00	51.24 1.69 0.00	51.93 1.71 0.00	53.11 1.52 0.00	56.42 1.59 0.00	115.79 3.72 0.00	66.26 2.52 0.00	60.08 2.19 0.00	60.35 2.16 0.00	66.01 2.42 0.00	54.87 2.04 0.00	55.91 2.16 0.00	43.78 1.82 0.00
N.QUEENS_27_KV_LOAD 356247	56.26 1.56 0.00	58.01 1.45 0.00	50.14 1.57 0.00	57.81 1.68 0.00	55.67 1.66 0.00	54.78 1.71 0.00	55.40 1.85 0.00	56.20 2.18 0.00	38.16 1.69 0.00	44.92 2.03 0.00	46.56 2.19 0.00	45.44 2.03 0.00	51.66 2.11 0.00	52.36 2.14 0.00	53.47 1.88 0.00	56.70 1.87 0.00	116.13 4.07 0.00	66.62 2.88 0.00	60.35 2.46 0.00	60.62 2.42 0.00	66.42 2.83 0.00	55.25 2.42 0.00	56.24 2.49 0.00	44.02 2.06 0.00
N.TROY___115KV_TB1 355778	55.09 0.39 0.00	57.07 0.52 0.00	49.17 0.59 0.00	56.73 0.60 0.00	54.74 0.73 0.00	53.69 0.61 0.00	54.33 0.77 0.00	55.04 1.01 0.00	37.11 0.63 0.00	43.22 0.33 0.00	44.52 0.15 0.00	43.43 0.01 0.00	49.75 0.19 0.00	50.35 0.13 0.00	52.07 0.48 0.00	55.80 0.97 0.00	114.53 2.47 0.00	65.20 1.46 0.00	59.54 1.65 0.00	59.83 1.64 0.00	65.31 1.73 0.00	54.30 1.47 0.00	55.19 1.44 0.00	43.23 1.27 0.00
NARROWS_GT1_1 24228	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_2 24229	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_3 24230	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_4 24231	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_5 24232	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00



NARROWS_GT1_6 24233	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_7 24234	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT1_8 24235	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_1 24236	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_2 24237	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_3 24238	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_4 24239	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_5 24240	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_6 24241	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_7 24242	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NARROWS_GT2_8 24243	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.63 2.89 0.00	60.31 2.43 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	55.54 0.84 0.00	57.52 0.97 0.00	49.54 0.96 0.00	57.18 1.06 0.00	55.15 1.15 0.00	54.15 1.07 0.00	54.78 1.21 0.00	55.49 1.47 0.00	37.33 0.85 0.00	43.27 0.38 0.00	44.52 0.16 0.00	43.65 0.24 0.00	50.15 0.60 0.00	50.71 0.50 0.00	52.15 0.57 0.00	55.98 1.16 0.00	115.42 3.36 0.00	65.84 2.11 0.00	60.03 2.14 0.00	60.28 2.08 0.00	65.75 2.16 0.00	54.61 1.79 0.00	55.39 1.64 0.00	43.35 1.40 0.00
NCHELSEA_115KV_TR2 355582	56.29 1.60 0.00	58.13 1.57 0.00	50.13 1.55 0.00	57.91 1.79 0.00	55.74 1.74 0.00	54.86 1.79 0.00	55.49 1.93 0.00	56.16 2.14 0.00	38.01 1.53 0.00	44.70 1.82 0.00	46.32 1.95 0.00	45.21 1.80 0.00	51.59 2.03 0.00	52.29 2.07 0.00	53.50 1.91 0.00	56.93 2.10 0.00	116.71 4.65 0.00	66.72 2.99 0.00	60.57 2.69 0.00	60.86 2.66 0.00	66.51 2.92 0.00	55.27 2.44 0.00	56.24 2.49 0.00	43.99 2.04 0.00
NEG CAPITAL___MECHNVIL 23645	56.28 1.58 0.00	58.34 1.78 0.00	50.21 1.63 0.00	57.97 1.85 0.00	55.92 1.91 0.00	54.88 1.81 0.00	55.59 2.02 0.00	56.26 2.24 0.00	37.83 1.35 0.00	44.03 1.15 0.00	45.36 0.99 0.00	44.44 1.02 0.00	50.95 1.40 0.00	51.53 1.32 0.00	53.30 1.71 0.00	57.13 2.31 0.00	117.23 5.17 0.00	66.69 2.95 0.00	60.83 2.94 0.00	61.09 2.90 0.00	66.66 3.07 0.00	55.38 2.55 0.00	56.25 2.50 0.00	43.99 2.03 0.00
NEG CENTRAL_HIGH_ACRES 23767	52.39 -2.30 0.00	53.90 -2.66 0.00	45.96 -2.62 0.00	53.20 -2.93 0.00	51.04 -2.97 0.00	50.29 -2.79 0.00	50.60 -2.96 0.00	50.60 -3.37 0.05	33.93 -2.29 0.26	40.60 -2.28 0.00	42.06 -2.31 0.00	41.29 -2.12 0.00	47.09 -2.47 0.00	47.99 -2.23 0.00	48.97 -2.50 0.13	50.51 -2.87 1.45	97.58 -6.33 8.15	52.79 -3.76 7.19	49.23 -3.75 4.91	47.73 -3.82 6.64	52.82 -4.32 6.44	43.14 -3.75 5.94	45.05 -3.75 4.95	32.34 -2.83 6.79



NEG CENTRAL___DRP 24199	53.98 -0.72 0.00	55.68 -0.88 0.00	47.61 -0.97 0.00	55.08 -1.04 0.00	52.87 -1.13 0.00	52.10 -0.97 0.00	52.53 -1.03 0.00	52.77 -1.25 0.00	35.59 -0.88 0.00	42.01 -0.88 0.00	43.49 -0.88 0.00	42.58 -0.83 0.00	48.60 -0.96 0.00	49.50 -0.72 0.00	50.83 -0.76 0.00	53.86 -0.96 0.00	109.97 -2.09 0.00	62.48 -1.26 0.00	56.61 -1.27 0.00	56.81 -1.39 0.00	61.94 -1.65 0.00	51.36 -1.47 0.00	52.19 -1.56 0.00	40.83 -1.13 0.00
NEG CENTRAL___INDECK 23768	54.71 0.01 0.00	56.37 -0.19 0.00	47.79 -0.78 0.00	55.47 -0.65 0.00	53.06 -0.95 0.00	52.33 -0.74 0.00	52.55 -1.01 0.00	51.91 -1.81 0.30	33.25 -1.51 1.71	41.53 -1.35 0.00	43.06 -1.31 0.00	42.41 -1.01 0.00	47.86 -1.69 0.00	48.90 -1.32 0.00	49.05 -1.70 0.84	42.94 -2.32 9.57	53.65 -4.10 54.32	13.87 -2.41 47.46	25.08 -2.81 29.99	10.22 -2.78 45.20	19.60 -3.36 40.63	13.21 -3.04 36.57	20.42 -3.07 30.26	-1.84 -2.28 41.51
NEG CENTRAL___SENECA 23627	53.84 -0.86 0.00	55.49 -1.07 0.00	47.39 -1.19 0.00	54.84 -1.28 0.00	52.64 -1.37 0.00	51.87 -1.21 0.00	52.27 -1.29 0.00	52.45 -1.57 0.00	35.37 -1.11 0.00	41.83 -1.05 0.00	43.30 -1.06 0.00	42.45 -0.96 0.00	48.42 -1.13 0.00	49.36 -0.85 0.00	50.65 -0.94 0.00	53.65 -1.18 0.00	109.45 -2.61 0.00	60.35 -1.59 1.81	53.12 -1.66 3.11	55.33 -1.76 1.11	58.23 -2.12 3.24	47.36 -1.89 3.58	48.69 -1.93 3.13	36.22 -1.44 4.30
NEG CENTRAL___STATE_STREET 24147	54.41 -0.29 0.00	56.20 -0.36 0.00	48.02 -0.56 0.00	55.66 -0.47 0.00	53.33 -0.67 0.00	52.66 -0.41 0.00	53.00 -0.56 0.00	53.43 -0.69 -0.09	36.46 -0.53 -0.52	42.42 -0.46 0.00	43.90 -0.47 0.00	42.97 -0.45 0.00	49.00 -0.55 0.00	49.87 -0.35 0.00	51.52 -0.33 -0.25	57.16 -0.56 -2.89	127.26 -1.14 -16.34	75.96 -0.71 -12.93	64.13 -0.69 -6.93	70.03 -0.78 -12.62	72.74 -0.83 -9.98	60.66 -0.75 -8.58	59.79 -0.95 -7.00	50.98 -0.57 -9.60
NEG MILLWOOD___DRP 24198	56.40 1.71 0.00	58.23 1.67 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.85 1.84 0.00	54.97 1.90 0.00	55.61 2.05 0.00	56.30 2.28 0.00	38.13 1.65 0.00	44.86 1.98 0.00	46.47 2.10 0.00	45.37 1.96 0.00	51.72 2.16 0.00	52.46 2.25 0.00	53.63 2.05 0.00	57.02 2.19 0.00	116.93 4.86 0.00	66.88 3.14 0.00	60.69 2.81 0.00	60.95 2.76 0.00	66.63 3.04 0.00	55.37 2.54 0.00	56.35 2.60 0.00	44.08 2.12 0.00
NEG NORTH_FLCN_SEA 23793	56.75 2.05 0.00	58.61 2.06 0.00	50.21 1.63 0.00	58.02 1.90 0.00	55.82 1.82 0.00	54.85 1.78 0.00	55.37 1.81 0.00	55.74 1.72 0.00	37.61 1.14 0.00	44.32 1.43 0.00	45.90 1.53 0.00	45.00 1.58 0.00	51.39 1.84 0.00	52.02 1.81 0.00	53.43 1.84 0.00	56.44 1.62 0.00	115.09 3.02 0.00	65.75 2.01 0.00	59.36 1.47 0.00	59.65 1.45 0.00	65.51 1.92 0.00	54.23 1.41 0.00	55.24 1.49 0.00	43.04 1.08 0.00
NEG NORTH_KES_CHATEGAY 23792	56.55 1.86 0.00	58.39 1.83 0.00	50.02 1.44 0.00	57.80 1.68 0.00	55.61 1.60 0.00	54.64 1.57 0.00	55.17 1.61 0.00	55.54 1.52 0.00	37.48 1.00 0.00	44.10 1.22 0.00	45.64 1.27 0.00	44.75 1.34 0.00	51.11 1.56 0.00	51.73 1.51 0.00	53.18 1.59 0.00	56.19 1.37 0.00	114.67 2.60 0.00	65.48 1.74 0.00	59.15 1.26 0.00	59.45 1.25 0.00	65.30 1.72 0.00	54.06 1.23 0.00	55.04 1.29 0.00	42.87 0.91 0.00
NEG NORTH___ALICE_FALLS 23915	57.03 2.33 0.00	58.89 2.33 0.00	50.42 1.84 0.00	58.28 2.16 0.00	56.06 2.05 0.00	55.08 2.01 0.00	55.59 2.03 0.00	55.98 1.96 0.00	37.76 1.29 0.00	44.44 1.55 0.00	46.07 1.70 0.00	45.09 1.67 0.00	51.52 1.97 0.00	52.13 1.91 0.00	53.58 1.99 0.00	56.71 1.88 0.00	115.71 3.65 0.00	66.14 2.41 0.00	59.69 1.80 0.00	59.96 1.77 0.00	65.83 2.24 0.00	54.49 1.66 0.00	55.46 1.72 0.00	43.19 1.23 0.00
NEG NORTH___LWR_SARANAC 23913	57.03 2.33 0.00	58.89 2.33 0.00	50.42 1.84 0.00	58.28 2.16 0.00	56.06 2.05 0.00	55.08 2.01 0.00	55.59 2.03 0.00	55.98 1.96 0.00	37.76 1.29 0.00	44.44 1.55 0.00	46.07 1.70 0.00	45.09 1.67 0.00	51.52 1.97 0.00	52.13 1.91 0.00	53.58 1.99 0.00	56.71 1.88 0.00	115.71 3.65 0.00	66.14 2.41 0.00	59.69 1.80 0.00	59.96 1.77 0.00	65.83 2.24 0.00	54.49 1.66 0.00	55.46 1.72 0.00	43.19 1.23 0.00
NEG NORTH___PLATTSBURG 23628	57.03 2.33 0.00	58.89 2.33 0.00	50.42 1.84 0.00	58.28 2.15 0.00	56.06 2.05 0.00	55.08 2.01 0.00	55.59 2.03 0.00	55.98 1.96 0.00	37.77 1.29 0.00	44.43 1.55 0.00	46.07 1.70 0.00	45.09 1.67 0.00	51.52 1.97 0.00	52.13 1.91 0.00	53.57 1.99 0.00	56.71 1.88 0.00	115.72 3.66 0.00	66.16 2.42 0.00	59.69 1.81 0.00	59.96 1.76 0.00	65.82 2.23 0.00	54.49 1.66 0.00	55.46 1.72 0.00	43.19 1.24 0.00
NEG WEST_LEA_LOCKPORT 23791	51.97 -2.73 0.00	53.36 -3.20 0.00	45.03 -3.55 0.00	52.24 -3.88 0.00	49.90 -4.11 0.00	49.16 -3.92 0.00	49.12 -4.44 0.00	48.28 -5.58 0.16	31.84 -3.71 0.93	39.24 -3.64 0.00	40.68 -3.69 0.00	40.13 -3.29 0.00	45.60 -3.96 0.00	46.60 -3.62 0.00	46.93 -4.21 0.45	44.73 -4.92 5.18	71.10 -11.14 29.82	30.94 -6.37 26.43	35.66 -6.40 15.82	26.08 -6.25 25.87	34.39 -7.22 21.98	27.37 -6.05 19.41	32.05 -5.73 15.96	15.79 -4.27 21.89
NEG WEST___LANCASTR 23811	51.92 -2.77 0.00	53.57 -2.99 0.00	45.23 -3.35 0.00	52.56 -3.57 0.00	50.13 -3.88 0.00	49.38 -3.69 0.00	49.47 -4.09 0.00	48.84 -4.97 0.21	31.95 -3.31 1.21	39.58 -3.31 0.00	41.04 -3.33 0.00	40.51 -2.91 0.00	45.95 -3.60 0.00	46.92 -3.30 0.00	47.18 -3.81 0.59	43.49 -4.57 6.77	63.18 -9.99 38.89	23.90 -5.88 33.95	32.09 -5.72 20.07	19.70 -5.28 33.21	29.59 -6.00 28.00	23.11 -5.06 24.65	28.69 -4.81 20.25	10.50 -3.68 27.78
NEG_PENN_ALLEGHNY 23528	54.26 -0.43 0.00	56.24 -0.32 0.00	48.19 -0.38 0.00	55.77 -0.36 0.00	53.53 -0.48 0.00	52.69 -0.39 0.00	53.15 -0.41 0.00	53.40 -0.55 0.07	35.68 -0.40 0.39	42.47 -0.42 0.00	43.98 -0.39 0.00	43.07 -0.35 0.00	48.97 -0.58 0.00	49.82 -0.40 0.00	50.98 -0.42 0.19	52.09 -0.56 2.18	98.36 -1.28 12.42	54.15 -0.81 8.77	54.29 -0.58 3.02	48.29 -0.68 9.22	57.39 -0.84 5.36	48.13 -0.75 3.96	49.94 -0.75 3.05	37.21 -0.56 4.19
NEG___GEN_MONROE 24207	53.60 -1.10 0.00	55.07 -1.48 0.00	46.82 -1.76 0.00	54.20 -1.93 0.00	51.98 -2.03 0.00	51.27 -1.81 0.00	51.43 -2.13 0.00	51.15 -2.77 0.10	34.01 -1.90 0.56	41.18 -1.71 0.00	42.72 -1.65 0.00	42.00 -1.42 0.00	47.88 -1.68 0.00	48.87 -1.35 0.00	49.60 -1.71 0.27	49.55 -2.13 3.14	89.32 -4.97 17.77	45.44 -2.91 15.39	45.00 -3.11 9.78	40.49 -3.14 14.56	46.64 -3.75 13.20	37.68 -3.23 11.92	40.76 -3.12 9.87	26.08 -2.34 13.54
NEPA___ENERGY 23901	51.60 -3.10 0.00	53.79 -2.76 0.00	45.28 -3.30 0.00	52.73 -3.40 0.00	50.16 -3.85 0.00	49.41 -3.66 0.00	49.48 -4.08 0.00	48.58 -5.23 0.21	31.73 -3.57 1.18	39.19 -3.70 0.00	40.63 -3.74 0.00	40.11 -3.30 0.00	45.41 -4.14 0.00	46.58 -3.64 0.00	46.86 -4.15 0.57	43.26 -4.99 6.58	62.69 -11.26 38.11	23.73 -6.69 33.32	32.17 -6.06 19.65	19.35 -6.21 32.63	29.31 -6.84 27.44	22.90 -5.79 24.14	28.30 -5.63 19.82	10.35 -4.42 27.19



NEVERSINK___HYD 23608	55.82 1.12 0.00	57.67 1.11 0.00	49.68 1.10 0.00	57.40 1.28 0.00	55.26 1.25 0.00	54.46 1.38 0.00	55.03 1.47 0.00	55.67 1.65 0.00	37.67 1.20 0.00	44.29 1.40 0.00	45.87 1.50 0.00	44.69 1.28 0.00	51.06 1.50 0.00	51.66 1.44 0.00	52.78 1.19 0.00	56.42 1.59 0.00	115.78 3.72 0.00	66.17 2.43 0.00	60.09 2.20 0.00	60.35 2.16 0.00	65.94 2.35 0.00	54.76 1.93 0.00	55.71 1.97 0.00	43.53 1.57 0.00
NEWKRMKL_115KV_TB1 55635	54.17 -0.52 0.00	56.08 -0.48 0.00	48.36 -0.22 0.00	55.79 -0.33 0.00	53.81 -0.19 0.00	52.79 -0.29 0.00	53.40 -0.17 0.00	54.06 0.04 0.00	36.60 0.12 0.00	42.70 -0.19 0.00	44.06 -0.31 0.00	43.03 -0.38 0.00	49.16 -0.40 0.00	49.74 -0.48 0.00	51.32 -0.27 0.00	54.85 0.02 0.00	112.39 0.33 0.00	64.06 0.32 0.00	58.38 0.49 0.00	58.68 0.49 0.00	64.09 0.50 0.00	53.30 0.47 0.00	54.15 0.40 0.00	42.52 0.56 0.00
NEWTON___FALLS_HYD 23847	56.19 1.50 0.00	58.05 1.49 0.00	49.72 1.14 0.00	57.47 1.35 0.00	55.30 1.30 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.18 1.16 0.00	37.11 0.63 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.14 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.52 -0.22 0.00	57.50 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
NGRID_A1_DSASP 323792	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
NGRID_A2_DSASP 323793	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
NGRID_A4_DSASP 323807	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
NIAGARA_115E_LBMP 323715	51.32 -3.37 0.00	52.68 -3.87 0.00	44.46 -4.12 0.00	51.58 -4.55 0.00	49.25 -4.76 0.00	48.52 -4.56 0.00	48.44 -5.12 0.00	47.46 -6.40 0.17	31.31 -4.22 0.95	38.61 -4.27 0.00	40.06 -4.31 0.00	39.51 -3.90 0.00	44.86 -4.69 0.00	45.88 -4.34 0.00	46.21 -4.92 0.46	43.89 -5.63 5.30	68.88 -12.62 30.57	29.42 -7.19 27.12	34.72 -7.08 16.09	24.67 -6.88 26.64	33.25 -7.89 22.45	26.42 -6.64 19.76	31.27 -6.25 16.23	15.04 -4.65 22.27
NIAGARA_115W_LBMP 323714	51.02 -3.68 0.00	52.35 -4.21 0.00	44.17 -4.41 0.00	51.25 -4.87 0.00	48.94 -5.07 0.00	48.20 -4.87 0.00	48.18 -5.39 0.00	47.41 -6.44 0.16	31.30 -4.24 0.93	38.64 -4.25 0.00	40.06 -4.31 0.00	39.50 -3.92 0.00	44.91 -4.64 0.00	45.93 -4.29 0.00	46.24 -4.89 0.46	43.94 -5.66 5.23	68.81 -13.00 30.26	29.30 -7.46 26.97	34.67 -7.35 15.87	24.42 -7.15 26.63	33.23 -8.13 22.23	26.48 -6.84 19.51	31.28 -6.46 16.01	15.20 -4.80 21.96
NIAGARA_230_LBMP 323716	51.45 -3.25 0.00	52.82 -3.74 0.00	44.61 -3.97 0.00	51.76 -4.37 0.00	49.42 -4.59 0.00	48.68 -4.39 0.00	48.66 -4.91 0.00	47.91 -5.96 0.16	31.64 -3.93 0.90	38.99 -3.89 0.00	40.43 -3.94 0.00	39.86 -3.56 0.00	45.33 -4.23 0.00	46.33 -3.89 0.00	46.67 -4.47 0.44	44.51 -5.26 5.06	70.71 -12.01 29.34	30.40 -7.08 26.26	35.54 -6.98 15.36	25.35 -6.84 26.01	34.26 -7.74 21.59	27.42 -6.50 18.90	32.12 -6.14 15.50	16.12 -4.58 21.26
NIAGARA___115KV_198_GIBSON 55903	51.02 -3.67 0.00	52.34 -4.21 0.00	44.18 -4.40 0.00	51.25 -4.87 0.00	48.94 -5.07 0.00	48.21 -4.87 0.00	48.17 -5.39 0.00	47.44 -6.42 0.16	31.32 -4.22 0.93	38.63 -4.25 0.00	40.05 -4.32 0.00	39.50 -3.92 0.00	44.93 -4.63 0.00	45.93 -4.29 0.00	46.25 -4.89 0.46	43.94 -5.66 5.23	68.86 -12.94 30.26	29.40 -7.37 26.97	34.74 -7.27 15.87	24.46 -7.11 26.63	33.22 -8.13 22.23	26.54 -6.78 19.51	31.31 -6.43 16.01	15.21 -4.79 21.96
NIAGARA____ 23760	51.45 -3.25 0.00	52.82 -3.74 0.00	44.61 -3.97 0.00	51.76 -4.37 0.00	49.42 -4.59 0.00	48.68 -4.39 0.00	48.66 -4.91 0.00	47.90 -5.96 0.16	31.63 -3.93 0.91	38.99 -3.89 0.00	40.43 -3.94 0.00	39.86 -3.56 0.00	45.33 -4.23 0.00	46.33 -3.89 0.00	46.67 -4.47 0.45	44.46 -5.26 5.11	70.45 -12.01 29.60	30.22 -7.08 26.43	35.42 -6.98 15.49	25.21 -6.84 26.15	34.11 -7.74 21.75	27.24 -6.50 19.08	31.93 -6.14 15.69	15.78 -4.58 21.60
NINE_MILE_1 23575	52.79 -1.91 0.00	54.48 -2.08 0.00	46.75 -1.82 0.00	54.01 -2.12 0.00	51.95 -2.06 0.00	51.10 -1.97 0.00	51.56 -2.00 0.00	51.94 -2.08 0.00	35.09 -1.39 0.00	41.27 -1.61 0.00	42.71 -1.66 0.00	41.81 -1.61 0.00	47.70 -1.85 0.00	48.41 -1.81 0.00	49.72 -1.87 0.00	52.82 -2.01 0.00	107.86 -4.20 0.00	61.35 -2.39 0.00	55.69 -2.19 0.00	55.94 -2.26 0.00	61.05 -2.54 0.00	50.71 -2.11 0.00	51.58 -2.17 0.00	40.35 -1.61 0.00
NINE_MILE_2 23744	52.79 -1.91 0.00	54.48 -2.07 0.00	46.76 -1.82 0.00	54.01 -2.11 0.00	51.95 -2.06 0.00	51.11 -1.96 0.00	51.56 -2.00 0.00	51.94 -2.08 0.00	35.10 -1.38 0.00	41.27 -1.61 0.00	42.72 -1.65 0.00	41.82 -1.60 0.00	47.71 -1.85 0.00	48.42 -1.80 0.00	49.73 -1.86 0.00	52.83 -2.00 0.00	107.89 -4.17 0.00	61.36 -2.38 0.00	55.69 -2.19 0.00	55.95 -2.25 0.00	61.05 -2.54 0.00	50.71 -2.11 0.00	51.58 -2.17 0.00	40.35 -1.61 0.00
NM_CAPITAL___DRP 24208	54.28 -0.42 0.00	56.19 -0.37 0.00	48.46 -0.11 0.00	55.90 -0.22 0.00	53.93 -0.08 0.00	52.89 -0.18 0.00	53.50 -0.06 0.00	54.17 0.14 0.00	36.66 0.19 0.00	42.76 -0.13 0.00	44.11 -0.26 0.00	43.04 -0.37 0.00	49.19 -0.36 0.00	49.78 -0.44 0.00	51.37 -0.21 0.00	54.94 0.11 0.00	112.59 0.53 0.00	64.15 0.41 0.00	58.50 0.61 0.00	58.80 0.61 0.00	64.22 0.63 0.00	53.42 0.59 0.00	54.28 0.53 0.00	42.61 0.65 0.00
NM_CENTRAL___DRP 24181	53.65 -1.05 0.00	55.41 -1.14 0.00	47.54 -1.04 0.00	54.93 -1.20 0.00	52.82 -1.19 0.00	51.99 -1.09 0.00	52.47 -1.10 0.00	52.85 -1.17 0.00	35.69 -0.79 0.00	42.00 -0.88 0.00	43.47 -0.90 0.00	42.55 -0.87 0.00	48.52 -1.03 0.00	49.28 -0.94 0.00	50.62 -0.97 0.00	53.78 -1.05 0.00	109.94 -2.12 0.00	62.50 -1.23 0.00	56.72 -1.17 0.00	56.96 -1.24 0.00	62.12 -1.47 0.00	51.56 -1.27 0.00	52.44 -1.31 0.00	40.98 -0.98 0.00



NM_FRONTIER___DRP 24179	51.02 -3.67 0.00	52.34 -4.21 0.00	44.18 -4.40 0.00	51.25 -4.87 0.00	48.94 -5.07 0.00	48.21 -4.87 0.00	48.17 -5.39 0.00	47.44 -6.42 0.16	31.32 -4.22 0.93	38.63 -4.25 0.00	40.05 -4.32 0.00	39.50 -3.92 0.00	44.93 -4.63 0.00	45.93 -4.29 0.00	46.25 -4.89 0.46	43.94 -5.66 5.23	68.86 -12.94 30.26	29.40 -7.37 26.97	34.74 -7.27 15.87	24.46 -7.11 26.63	33.22 -8.13 22.23	26.54 -6.78 19.51	31.31 -6.43 16.01	15.21 -4.79 21.96
NM_ST_REGIS___HYD 24053	57.18 2.49 0.00	59.07 2.51 0.00	50.56 1.98 0.00	58.42 2.30 0.00	56.22 2.21 0.00	55.25 2.18 0.00	55.76 2.20 0.00	56.14 2.12 0.00	37.81 1.34 0.00	44.58 1.69 0.00	46.15 1.79 0.00	45.24 1.83 0.00	51.77 2.21 0.00	52.39 2.18 0.00	53.78 2.19 0.00	56.65 1.83 0.00	114.96 2.90 0.00	65.34 1.60 0.00	59.01 1.12 0.00	59.47 1.27 0.00	65.52 1.93 0.00	54.52 1.69 0.00	55.53 1.78 0.00	43.08 1.13 0.00
NORTHPORT___1 23551	49.62 0.93 6.01	57.03 0.52 0.04	49.52 0.94 0.00	57.09 0.96 0.00	54.97 0.96 0.00	54.05 0.99 0.01	17.01 0.62 37.17	17.01 0.88 37.90	21.11 0.93 16.29	27.06 1.40 17.22	46.11 1.74 0.00	44.76 1.35 0.01	35.17 0.83 15.21	27.79 1.20 23.62	28.62 0.80 23.76	55.23 0.90 0.50	35.48 2.59 79.16	30.74 1.95 34.95	31.79 1.92 28.02	34.79 1.83 25.23	53.57 1.72 11.73	30.00 1.52 24.36	31.79 1.85 23.81	43.44 1.49 0.00
NORTHPORT___2 23552	49.62 0.93 6.01	57.03 0.52 0.04	49.52 0.94 0.00	57.09 0.96 0.00	54.97 0.96 0.00	54.05 0.99 0.01	17.01 0.62 37.17	17.01 0.88 37.90	21.11 0.93 16.29	27.06 1.40 17.22	46.11 1.74 0.00	44.76 1.35 0.01	35.17 0.83 15.21	27.79 1.20 23.62	28.62 0.80 23.76	55.23 0.90 0.50	35.48 2.59 79.16	30.74 1.95 34.95	31.79 1.92 28.02	34.79 1.83 25.23	53.57 1.72 11.73	30.00 1.52 24.36	31.79 1.85 23.81	43.44 1.49 0.00
NORTHPORT___3 23553	51.48 0.95 4.17	57.08 0.55 0.03	49.55 0.97 0.00	57.13 1.01 0.00	55.00 0.99 0.00	54.08 1.02 0.01	32.35 0.63 21.84	32.64 0.88 22.26	27.83 0.93 9.57	34.19 1.42 10.12	46.15 1.78 0.00	44.81 1.40 0.01	41.50 0.89 8.94	37.54 1.20 13.88	38.43 0.80 13.96	55.43 0.90 0.29	68.12 2.57 46.51	45.82 1.94 19.86	43.31 1.89 16.46	45.18 1.80 14.82	58.40 1.70 6.89	40.04 1.52 14.31	41.61 1.85 13.99	43.47 1.51 0.00
NORTHPORT___4 23650	51.48 0.95 4.17	57.08 0.55 0.03	49.55 0.97 0.00	57.13 1.01 0.00	55.00 0.99 0.00	54.08 1.02 0.01	32.35 0.63 21.84	32.64 0.88 22.26	27.83 0.93 9.57	34.19 1.42 10.12	46.15 1.78 0.00	44.81 1.40 0.01	41.50 0.89 8.94	37.54 1.20 13.88	38.43 0.80 13.96	55.43 0.90 0.29	68.12 2.57 46.51	45.82 1.94 19.86	43.31 1.89 16.46	45.18 1.80 14.82	58.40 1.70 6.89	40.04 1.52 14.31	41.61 1.85 13.99	43.47 1.51 0.00
NORTHPORT___IC 23718	49.65 0.96 6.01	57.03 0.51 0.04	49.52 0.94 0.00	57.09 0.97 0.00	54.97 0.96 0.00	54.04 0.98 0.01	17.01 0.62 37.17	17.01 0.89 37.90	21.11 0.92 16.29	27.06 1.39 17.22	46.11 1.74 0.00	44.76 1.35 0.01	35.18 0.83 15.21	27.79 1.20 23.62	28.62 0.80 23.76	55.22 0.89 0.50	35.44 2.54 79.16	30.73 1.94 34.95	31.78 1.91 28.02	34.78 1.81 25.23	53.56 1.70 11.73	29.99 1.52 24.36	31.78 1.85 23.81	43.45 1.49 0.00
NORTH___COUNTRY_ESR 323785	56.41 1.71 0.00	58.27 1.72 0.00	49.92 1.34 0.00	57.68 1.56 0.00	55.49 1.49 0.00	54.53 1.46 0.00	55.03 1.47 0.00	55.41 1.39 0.00	37.39 0.92 0.00	44.06 1.17 0.00	45.63 1.26 0.00	44.75 1.33 0.00	51.10 1.55 0.00	51.73 1.51 0.00	53.12 1.54 0.00	56.10 1.27 0.00	114.40 2.34 0.00	65.30 1.56 0.00	58.97 1.09 0.00	59.28 1.08 0.00	65.11 1.52 0.00	53.91 1.08 0.00	54.91 1.16 0.00	42.76 0.80 0.00
NPX_GEN_1385_PROXY 323591	49.77 1.08 6.01	56.98 0.46 0.04	49.46 0.88 0.00	56.78 0.65 0.00	54.87 0.86 0.00	54.30 1.23 0.01	19.66 1.00 34.90	46.95 1.32 8.39	46.01 1.21 -8.33	27.19 1.53 17.22	45.05 1.44 0.75	40.04 1.00 4.38	34.85 0.51 15.21	27.48 0.88 23.62	28.64 0.82 23.76	88.60 1.35 -32.42	80.61 3.49 34.94	74.86 2.47 -8.66	75.71 2.39 -15.44	75.50 2.30 -15.01	87.99 2.22 -22.18	30.19 1.71 24.36	31.77 1.83 23.81	43.57 1.61 0.00
NPX_GEN_CSC 323557	55.51 1.42 0.60	57.55 0.98 -0.01	49.89 1.32 0.00	57.54 1.42 0.00	55.49 1.48 0.00	54.79 1.71 0.00	64.34 1.28 -9.49	62.92 1.53 -7.37	41.07 1.43 -3.17	48.23 2.00 -3.35	46.50 2.13 0.00	45.09 1.68 0.00	53.72 1.21 -2.96	56.46 1.64 -4.59	57.65 1.44 -4.62	56.53 1.61 -0.10	133.20 4.60 -16.54	75.68 3.22 -8.73	66.42 3.08 -5.45	65.97 2.87 -4.90	68.28 2.41 -2.28	59.64 2.08 -4.74	61.06 2.69 -4.63	43.91 1.95 0.00
NSINS_S_GLNS_FALLS 23858	57.23 2.54 0.00	59.35 2.80 0.00	51.10 2.52 0.00	59.01 2.88 0.00	56.95 2.94 0.00	55.95 2.88 0.00	56.81 3.25 0.00	57.60 3.57 0.00	38.63 2.16 0.00	44.62 1.73 0.00	45.91 1.54 0.00	45.09 1.68 0.00	51.82 2.27 0.00	52.35 2.14 0.00	54.33 2.74 0.00	58.37 3.54 0.00	119.73 7.67 0.00	68.01 4.27 0.00	62.02 4.14 0.00	62.28 4.08 0.00	67.85 4.26 0.00	56.34 3.51 0.00	57.23 3.49 0.00	44.64 2.69 0.00
NUCOR_STEEL___DRP 24197	54.39 -0.30 0.00	56.19 -0.37 0.00	47.98 -0.60 0.00	55.64 -0.48 0.00	53.30 -0.71 0.00	52.65 -0.42 0.00	52.97 -0.59 0.00	53.37 -0.73 -0.09	36.41 -0.54 -0.48	42.41 -0.48 0.00	43.89 -0.48 0.00	42.96 -0.45 0.00	48.99 -0.56 0.00	49.83 -0.39 0.00	51.47 -0.36 -0.24	56.94 -0.60 -2.72	126.21 -1.20 -15.35	75.13 -0.76 -12.15	63.69 -0.73 -6.53	69.23 -0.82 -11.85	72.15 -0.83 -9.39	60.15 -0.75 -8.08	59.37 -0.97 -6.59	50.44 -0.56 -9.04
NUMBER_THREE_WT_PWR 323818	56.11 1.41 0.00	57.98 1.42 0.00	49.70 1.13 0.00	57.47 1.35 0.00	55.31 1.30 0.00	54.43 1.36 0.00	54.98 1.42 0.00	55.35 1.32 0.00	37.22 0.74 0.00	43.79 0.90 0.00	45.34 0.97 0.00	44.26 0.84 0.00	50.66 1.10 0.00	51.11 0.89 0.00	52.03 0.44 0.00	54.87 0.04 0.00	112.44 0.38 0.00	63.08 -0.65 0.00	57.38 -0.51 0.00	57.37 -0.83 0.00	62.82 -0.77 0.00	52.16 -0.67 0.00	53.29 -0.46 0.00	41.02 -0.94 0.00
NYISO_LBMP_REFERENCE 24008	54.69 0.00 0.00	56.55 0.00 0.00	48.58 0.00 0.00	56.13 0.00 0.00	54.01 0.00 0.00	53.07 0.00 0.00	53.56 0.00 0.00	54.02 0.00 0.00	36.47 0.00 0.00	42.89 0.00 0.00	44.37 0.00 0.00	43.42 0.00 0.00	49.55 0.00 0.00	50.22 0.00 0.00	51.59 0.00 0.00	54.83 0.00 0.00	112.06 0.00 0.00	63.74 0.00 0.00	57.89 0.00 0.00	58.19 0.00 0.00	63.59 0.00 0.00	52.83 0.00 0.00	53.75 0.00 0.00	41.96 0.00 0.00
NYPA_BRENTWD____GT 24164	56.33 1.90 0.26	58.03 1.47 -0.01	50.25 1.67 0.00	57.96 1.83 0.00	55.80 1.80 0.00	54.93 1.86 0.00	61.50 1.70 -6.24	62.35 1.96 -6.36	40.83 1.62 -2.73	47.97 2.20 -2.89	46.71 2.34 0.00	45.20 1.78 0.00	53.64 1.54 -2.56	56.45 2.26 -3.97	57.43 1.86 -3.99	56.81 1.90 -0.08	130.16 4.80 -13.29	74.54 2.99 -7.81	65.77 3.18 -4.71	65.51 3.08 -4.24	68.60 3.04 -1.97	59.56 2.64 -4.09	60.68 2.94 -4.00	44.12 2.16 0.00



NYPA_GOWANUS____GT5 24156	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.62 2.89 0.00	60.31 2.42 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NYPA_GOWANUS____GT6 24157	56.18 1.49 0.00	57.91 1.36 0.00	50.16 1.58 0.00	57.79 1.66 0.00	55.62 1.61 0.00	54.76 1.69 0.00	55.43 1.88 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.71 2.15 0.00	52.42 2.20 0.00	53.48 1.89 0.00	56.71 1.88 0.00	116.07 4.01 0.00	66.62 2.89 0.00	60.31 2.42 0.00	60.65 2.45 0.00	66.35 2.76 0.00	55.27 2.44 0.00	56.32 2.57 0.00	44.14 2.19 0.00
NYPA_HARLEM__RVR__GT1 24160	56.11 1.41 0.00	57.85 1.30 0.00	50.02 1.44 0.00	57.67 1.54 0.00	55.53 1.52 0.00	54.65 1.58 0.00	55.28 1.72 0.00	56.07 2.05 0.00	38.06 1.59 0.00	44.80 1.92 0.00	46.43 2.06 0.00	45.32 1.90 0.00	51.54 1.99 0.00	52.23 2.01 0.00	53.35 1.76 0.00	56.55 1.72 0.00	115.92 3.86 0.00	66.48 2.74 0.00	60.23 2.34 0.00	60.52 2.32 0.00	66.26 2.67 0.00	55.12 2.29 0.00	56.09 2.35 0.00	43.92 1.97 0.00
NYPA_HARLEM__RVR__GT2 24161	56.11 1.41 0.00	57.85 1.30 0.00	50.02 1.44 0.00	57.67 1.54 0.00	55.53 1.52 0.00	54.65 1.58 0.00	55.28 1.72 0.00	56.07 2.05 0.00	38.06 1.59 0.00	44.80 1.92 0.00	46.43 2.06 0.00	45.32 1.90 0.00	51.54 1.99 0.00	52.23 2.01 0.00	53.35 1.76 0.00	56.55 1.72 0.00	115.92 3.86 0.00	66.48 2.74 0.00	60.23 2.34 0.00	60.52 2.32 0.00	66.26 2.67 0.00	55.12 2.29 0.00	56.09 2.35 0.00	43.92 1.97 0.00
NYPA_KENT____GT 24152	56.14 1.45 0.00	57.89 1.33 0.00	50.10 1.52 0.00	57.75 1.63 0.00	55.60 1.60 0.00	54.74 1.66 0.00	55.39 1.83 0.00	56.13 2.11 0.00	38.11 1.64 0.00	44.88 2.00 0.00	46.51 2.14 0.00	45.41 2.00 0.00	51.70 2.14 0.00	52.41 2.20 0.00	53.47 1.89 0.00	56.69 1.86 0.00	115.90 3.85 0.00	66.52 2.78 0.00	60.26 2.37 0.00	60.60 2.40 0.00	66.30 2.72 0.00	55.23 2.40 0.00	56.27 2.52 0.00	44.09 2.14 0.00
NYPA_POUCH1____GT 24155	56.09 1.39 0.00	57.81 1.26 0.00	50.13 1.55 0.00	57.74 1.61 0.00	55.58 1.57 0.00	54.73 1.66 0.00	55.39 1.83 0.00	56.08 2.06 0.00	38.08 1.61 0.00	44.84 1.95 0.00	46.40 2.03 0.00	45.32 1.90 0.00	51.61 2.05 0.00	52.32 2.11 0.00	53.35 1.76 0.00	56.60 1.77 0.00	115.76 3.70 0.00	66.51 2.77 0.00	60.22 2.33 0.00	60.49 2.30 0.00	66.17 2.58 0.00	55.14 2.31 0.00	56.23 2.48 0.00	44.11 2.15 0.00
NYPA_VERNON____GT2 24162	56.11 1.41 0.00	57.86 1.31 0.00	50.05 1.47 0.00	57.72 1.59 0.00	55.57 1.57 0.00	54.71 1.64 0.00	55.36 1.80 0.00	56.11 2.08 0.00	38.10 1.62 0.00	44.87 1.98 0.00	46.51 2.14 0.00	45.40 1.99 0.00	51.69 2.14 0.00	52.39 2.17 0.00	53.49 1.90 0.00	56.66 1.83 0.00	115.90 3.84 0.00	66.47 2.73 0.00	60.22 2.34 0.00	60.53 2.34 0.00	66.25 2.67 0.00	55.18 2.35 0.00	56.23 2.48 0.00	44.05 2.09 0.00
NYPA_VERNON____GT3 24163	56.11 1.41 0.00	57.86 1.31 0.00	50.05 1.47 0.00	57.72 1.59 0.00	55.57 1.57 0.00	54.71 1.64 0.00	55.36 1.80 0.00	56.11 2.08 0.00	38.10 1.62 0.00	44.87 1.98 0.00	46.51 2.14 0.00	45.40 1.99 0.00	51.69 2.14 0.00	52.39 2.17 0.00	53.49 1.90 0.00	56.66 1.83 0.00	115.90 3.84 0.00	66.47 2.73 0.00	60.22 2.34 0.00	60.53 2.34 0.00	66.25 2.67 0.00	55.18 2.35 0.00	56.23 2.48 0.00	44.05 2.09 0.00
NYPA____ASTORIA_CC1 323568	56.07 1.38 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.33 1.77 0.00	56.07 2.05 0.00	38.08 1.60 0.00	44.84 1.96 0.00	46.48 2.12 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.13 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.82 3.76 0.00	66.44 2.70 0.00	60.20 2.31 0.00	60.51 2.31 0.00	66.22 2.63 0.00	55.16 2.33 0.00	56.19 2.44 0.00	44.01 2.05 0.00
NYPA____ASTORIA_CC2 323569	56.07 1.38 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.70 1.57 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.33 1.77 0.00	56.07 2.05 0.00	38.08 1.60 0.00	44.84 1.96 0.00	46.48 2.12 0.00	45.38 1.97 0.00	51.65 2.10 0.00	52.35 2.13 0.00	53.45 1.86 0.00	56.61 1.79 0.00	115.82 3.76 0.00	66.44 2.70 0.00	60.20 2.31 0.00	60.51 2.31 0.00	66.22 2.63 0.00	55.16 2.33 0.00	56.19 2.44 0.00	44.01 2.05 0.00
NYPA____HOLTSVILL 23794	55.35 1.24 0.59	57.37 0.81 -0.01	49.73 1.15 0.00	57.34 1.22 0.00	55.25 1.24 0.00	54.42 1.35 0.00	62.05 0.90 -7.59	62.90 1.14 -7.74	40.95 1.16 -3.33	48.10 1.70 -3.52	46.27 1.90 0.00	44.90 1.49 0.00	53.69 1.03 -3.11	56.48 1.44 -4.83	57.52 1.08 -4.85	56.09 1.16 -0.10	131.58 3.36 -16.16	75.28 2.46 -9.08	65.97 2.37 -5.72	65.58 2.24 -5.15	68.00 2.01 -2.40	59.59 1.79 -4.97	60.86 2.26 -4.86	43.69 1.74 0.00
NYPA____HELLGATE_GT1 24158	56.11 1.41 0.00	57.85 1.30 0.00	50.02 1.44 0.00	57.67 1.54 0.00	55.53 1.52 0.00	54.65 1.58 0.00	55.27 1.72 0.00	56.05 2.03 0.00	38.06 1.59 0.00	44.80 1.92 0.00	46.43 2.06 0.00	45.32 1.90 0.00	51.54 1.99 0.00	52.23 2.01 0.00	53.35 1.76 0.00	56.52 1.69 0.00	115.76 3.69 0.00	66.39 2.66 0.00	60.16 2.27 0.00	60.47 2.28 0.00	66.25 2.66 0.00	55.12 2.29 0.00	56.09 2.35 0.00	43.92 1.97 0.00
NYPA____HELLGATE_GT2 24159	56.11 1.41 0.00	57.85 1.30 0.00	50.02 1.44 0.00	57.67 1.54 0.00	55.53 1.52 0.00	54.65 1.58 0.00	55.27 1.72 0.00	56.05 2.03 0.00	38.06 1.59 0.00	44.80 1.92 0.00	46.43 2.06 0.00	45.32 1.90 0.00	51.54 1.99 0.00	52.23 2.01 0.00	53.35 1.76 0.00	56.52 1.69 0.00	115.76 3.69 0.00	66.39 2.66 0.00	60.16 2.27 0.00	60.47 2.28 0.00	66.25 2.66 0.00	55.12 2.29 0.00	56.09 2.35 0.00	43.92 1.97 0.00
NYS_BARGE____HYD 23848	52.02 -2.68 0.00	53.39 -3.16 0.00	45.06 -3.51 0.00	52.28 -3.84 0.00	49.95 -4.06 0.00	49.20 -3.87 0.00	49.17 -4.39 0.00	48.30 -5.56 0.16	31.88 -3.69 0.90	39.26 -3.62 0.00	40.72 -3.65 0.00	40.16 -3.26 0.00	45.63 -3.93 0.00	46.63 -3.58 0.00	46.98 -4.17 0.44	44.91 -4.86 5.06	71.95 -11.00 29.11	31.63 -6.33 25.78	36.13 -6.33 15.43	26.84 -6.14 25.22	35.08 -7.07 21.44	27.92 -5.98 18.93	32.56 -5.62 15.56	16.41 -4.19 21.35
OAK ORCHARD____HYD 24046	53.29 -1.41 0.00	54.79 -1.77 0.00	46.60 -1.97 0.00	53.97 -2.16 0.00	51.72 -2.29 0.00	50.97 -2.10 0.00	51.21 -2.35 0.00	51.01 -2.91 0.10	33.97 -1.96 0.55	41.09 -1.79 0.00	42.60 -1.77 0.00	41.88 -1.54 0.00	47.73 -1.82 0.00	48.67 -1.54 0.00	49.44 -1.88 0.27	49.48 -2.30 3.05	89.50 -5.31 17.25	45.62 -3.21 14.91	45.04 -3.32 9.52	40.78 -3.35 14.07	46.87 -3.89 12.83	37.86 -3.38 11.60	40.89 -3.25 9.61	26.34 -2.44 13.18



OAKDALE___35_KV_LOAD 356122	54.07 -0.63 0.00	56.03 -0.52 0.00	48.00 -0.57 0.00	55.57 -0.56 0.00	53.33 -0.67 0.00	52.48 -0.60 0.00	52.92 -0.64 0.00	53.15 -0.78 0.09	35.41 -0.54 0.52	42.30 -0.58 0.00	43.81 -0.56 0.00	42.91 -0.51 0.00	48.81 -0.74 0.00	49.64 -0.58 0.00	50.69 -0.64 0.25	51.13 -0.80 2.89	93.85 -1.75 16.46	50.83 -1.06 11.85	52.58 -0.84 4.46	44.99 -0.90 12.30	54.95 -1.08 7.56	46.13 -0.93 5.77	48.30 -0.93 4.52	35.07 -0.69 6.19
OCC_CHEM___DRP 24175	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
OH_GEN_PROXY 24063	51.43 -3.27 0.00	52.82 -3.74 0.00	44.62 -3.96 0.00	51.77 -4.36 0.00	49.44 -4.56 0.00	48.70 -4.38 0.00	50.98 -4.85 -2.27	48.01 -5.85 0.16	31.69 -3.88 0.90	39.04 -3.84 0.00	40.49 -3.88 0.00	39.92 -3.50 0.00	45.40 -4.16 0.00	46.41 -3.81 0.00	46.74 -4.41 0.44	44.63 -5.17 5.03	72.26 -11.78 28.02	30.65 -6.99 26.10	35.82 -6.86 15.20	25.58 -6.73 25.89	34.58 -7.61 21.41	27.71 -6.40 18.72	32.34 -6.07 15.34	16.36 -4.56 21.04
OLIN_CORP_DRP 24177	51.38 -3.32 0.00	52.74 -3.81 0.00	44.50 -4.07 0.00	51.63 -4.50 0.00	49.30 -4.71 0.00	48.57 -4.51 0.00	48.51 -5.05 0.00	47.58 -6.27 0.17	31.37 -4.15 0.96	38.70 -4.18 0.00	40.14 -4.23 0.00	39.58 -3.84 0.00	44.96 -4.59 0.00	45.96 -4.26 0.00	46.29 -4.83 0.47	43.92 -5.53 5.37	68.58 -12.47 31.01	29.17 -7.06 27.51	34.60 -6.98 16.30	24.36 -6.81 27.03	33.00 -7.83 22.76	26.26 -6.55 20.03	31.10 -6.20 16.45	14.77 -4.62 22.56
OLIN_CORP_DSASP 323712	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
ONEIDA_HERK_LFGE 323681	55.89 1.19 0.00	57.76 1.21 0.00	49.60 1.02 0.00	57.32 1.20 0.00	55.17 1.16 0.00	54.28 1.20 0.00	54.84 1.28 0.00	55.29 1.26 0.00	37.27 0.79 0.00	43.81 0.92 0.00	45.30 0.93 0.00	44.33 0.92 0.00	50.56 1.01 0.00	51.14 0.92 0.00	52.44 0.85 0.00	55.61 0.78 0.00	113.90 1.84 0.00	64.44 0.70 0.00	58.52 0.63 0.00	58.68 0.49 0.00	64.12 0.53 0.00	53.21 0.38 0.00	54.18 0.43 0.00	42.03 0.07 0.00
ONEIDA___115KV_TB4 55905	55.69 0.99 0.00	57.62 1.07 0.00	49.49 0.91 0.00	57.21 1.08 0.00	55.06 1.05 0.00	54.17 1.10 0.00	54.77 1.21 0.00	55.21 1.19 0.00	37.24 0.77 0.00	43.73 0.85 0.00	45.22 0.85 0.00	44.33 0.91 0.00	50.44 0.89 0.00	51.07 0.85 0.00	52.59 1.00 0.00	55.95 1.12 0.00	114.60 2.54 0.00	65.06 1.32 0.00	59.00 1.11 0.00	59.21 1.02 0.00	64.61 1.03 0.00	53.58 0.75 0.00	54.45 0.70 0.00	42.41 0.45 0.00
ONONDAGA_REF_OCCRA 23987	54.06 -0.63 0.00	55.85 -0.70 0.00	47.93 -0.65 0.00	55.37 -0.76 0.00	53.23 -0.77 0.00	52.39 -0.69 0.00	52.90 -0.66 0.00	53.35 -0.73 -0.06	36.29 -0.51 -0.32	42.27 -0.62 0.00	43.78 -0.58 0.00	42.85 -0.56 0.00	48.85 -0.70 0.00	49.63 -0.59 0.00	51.18 -0.56 -0.16	56.00 -0.60 -1.78	120.91 -1.19 -10.04	71.06 -0.70 -8.02	61.65 -0.65 -4.42	65.24 -0.75 -7.79	68.95 -0.93 -6.29	57.47 -0.82 -5.46	57.33 -0.87 -4.46	47.41 -0.67 -6.12
ONONDAGA___COGEN 23986	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
ONTARIO___LFGE 23819	53.84 -0.85 0.00	55.49 -1.07 0.00	47.39 -1.19 0.00	54.84 -1.28 0.00	52.65 -1.36 0.00	51.87 -1.21 0.00	52.27 -1.29 0.00	52.45 -1.57 0.00	35.36 -1.11 0.00	41.83 -1.05 0.00	43.31 -1.06 0.00	42.45 -0.96 0.00	48.42 -1.13 0.00	49.37 -0.85 0.00	50.65 -0.94 0.00	53.65 -1.18 0.00	109.43 -2.63 0.00	60.30 -1.63 1.81	53.11 -1.67 3.11	55.30 -1.78 1.11	58.23 -2.12 3.24	47.35 -1.91 3.58	48.68 -1.94 3.13	36.21 -1.45 4.30
ORANGEVILLE_WT_PWR 323706	52.12 -2.58 0.00	53.80 -2.76 0.00	45.43 -3.14 0.00	52.77 -3.35 0.00	50.36 -3.65 0.00	49.54 -3.53 0.00	49.57 -3.99 0.00	48.67 -5.07 0.28	31.31 -3.55 1.61	39.19 -3.69 0.00	40.51 -3.85 0.00	39.90 -3.52 0.00	45.14 -4.41 0.00	45.85 -4.37 0.00	45.88 -4.92 0.79	39.92 -5.88 9.02	48.17 -12.37 51.52	10.55 -7.41 45.78	21.80 -7.28 28.81	7.08 -7.17 43.94	16.33 -8.08 39.17	10.79 -6.87 35.16	17.99 -6.69 29.07	-2.96 -5.04 39.88
ORANGEVILLE___ESR 323794	52.12 -2.58 0.00	53.80 -2.76 0.00	45.43 -3.14 0.00	52.77 -3.35 0.00	50.36 -3.65 0.00	49.54 -3.53 0.00	49.57 -3.99 0.00	48.67 -5.07 0.28	31.31 -3.55 1.61	39.19 -3.69 0.00	40.51 -3.85 0.00	39.90 -3.52 0.00	45.14 -4.41 0.00	45.85 -4.37 0.00	45.88 -4.92 0.79	39.92 -5.88 9.02	48.17 -12.37 51.52	10.55 -7.41 45.78	21.80 -7.28 28.81	7.08 -7.17 43.94	16.33 -8.08 39.17	10.79 -6.87 35.16	17.99 -6.69 29.07	-2.96 -5.04 39.88
OSWEGATCHIE___HYD 24044	56.19 1.49 0.00	58.04 1.49 0.00	49.72 1.14 0.00	57.47 1.34 0.00	55.30 1.29 0.00	54.39 1.31 0.00	54.79 1.23 0.00	55.19 1.16 0.00	37.11 0.64 0.00	43.71 0.83 0.00	45.38 1.01 0.00	44.38 0.96 0.00	50.81 1.26 0.00	51.35 1.13 0.00	52.53 0.94 0.00	55.34 0.52 0.00	112.50 0.44 0.00	63.53 -0.20 0.00	57.51 -0.38 0.00	57.82 -0.38 0.00	63.52 -0.07 0.00	52.98 0.15 0.00	54.04 0.29 0.00	41.74 -0.21 0.00
OSWEGO___5 23606	53.13 -1.57 0.00	54.86 -1.70 0.00	47.06 -1.52 0.00	54.38 -1.74 0.00	52.29 -1.72 0.00	51.45 -1.62 0.00	51.91 -1.66 0.00	52.29 -1.74 0.00	35.32 -1.16 0.00	41.55 -1.34 0.00	43.00 -1.37 0.00	42.09 -1.33 0.00	48.01 -1.54 0.00	48.74 -1.48 0.00	50.06 -1.53 0.00	53.17 -1.65 0.00	108.61 -3.45 0.00	61.75 -1.99 0.00	56.04 -1.84 0.00	56.32 -1.88 0.00	61.45 -2.14 0.00	51.03 -1.80 0.00	51.90 -1.84 0.00	40.60 -1.36 0.00
OSWEGO___6 23613	53.13 -1.57 0.00	54.86 -1.70 0.00	47.06 -1.52 0.00	54.38 -1.74 0.00	52.29 -1.72 0.00	51.45 -1.62 0.00	51.91 -1.66 0.00	52.29 -1.74 0.00	35.32 -1.16 0.00	41.55 -1.34 0.00	43.00 -1.37 0.00	42.09 -1.33 0.00	48.01 -1.54 0.00	48.74 -1.48 0.00	50.06 -1.53 0.00	53.17 -1.65 0.00	108.61 -3.45 0.00	61.75 -1.99 0.00	56.04 -1.84 0.00	56.32 -1.88 0.00	61.45 -2.14 0.00	51.03 -1.80 0.00	51.90 -1.84 0.00	40.60 -1.36 0.00



OUTOKUMPU-AB___DRP 24206	52.15 -2.55 0.00	53.56 -3.00 0.00	45.18 -3.40 0.00	52.43 -3.69 0.00	50.06 -3.95 0.00	49.32 -3.75 0.00	49.31 -4.25 0.00	48.52 -5.33 0.17	31.98 -3.51 0.98	39.47 -3.42 0.00	40.91 -3.45 0.00	40.35 -3.07 0.00	45.86 -3.69 0.00	46.86 -3.36 0.00	47.19 -3.92 0.48	44.66 -4.66 5.51	69.64 -10.65 31.77	29.49 -6.10 28.15	35.02 -6.16 16.72	24.59 -5.97 27.63	33.39 -6.90 23.31	26.51 -5.79 20.53	31.40 -5.49 16.86	14.73 -4.10 23.13
OXBOW___BTM 323836	51.56 -3.14 0.00	52.92 -3.64 0.00	44.65 -3.93 0.00	51.80 -4.32 0.00	49.47 -4.54 0.00	48.74 -4.34 0.00	48.71 -4.85 0.00	47.93 -5.92 0.17	31.62 -3.90 0.96	39.03 -3.85 0.00	40.48 -3.89 0.00	39.92 -3.50 0.00	45.39 -4.16 0.00	46.40 -3.82 0.00	46.71 -4.41 0.47	44.27 -5.18 5.38	69.11 -11.87 31.07	29.27 -6.86 27.61	34.75 -6.81 16.32	24.41 -6.61 27.17	33.24 -7.53 22.81	26.40 -6.37 20.06	31.28 -6.00 16.47	14.89 -4.48 22.59
OXBOW___ 24026	51.56 -3.13 0.00	52.92 -3.64 0.00	44.65 -3.93 0.00	51.80 -4.33 0.00	49.47 -4.54 0.00	48.73 -4.34 0.00	48.72 -4.85 0.00	47.97 -5.89 0.17	31.63 -3.88 0.96	39.04 -3.85 0.00	40.47 -3.90 0.00	39.92 -3.49 0.00	45.40 -4.16 0.00	46.40 -3.82 0.00	46.72 -4.41 0.47	44.28 -5.17 5.38	69.17 -11.82 31.07	29.39 -6.74 27.61	34.83 -6.73 16.32	24.47 -6.56 27.17	33.24 -7.53 22.81	26.46 -6.31 20.06	31.29 -5.98 16.47	14.90 -4.47 22.59
OXY_CHEM_DSASP 323612	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
OZONE_PARK_ESR 323760	56.58 1.89 0.00	58.32 1.76 0.00	50.36 1.79 0.00	58.13 2.00 0.00	55.93 1.92 0.00	55.06 1.98 0.00	55.72 2.16 0.00	56.45 2.42 0.00	38.29 1.81 0.00	45.13 2.24 0.00	46.79 2.42 0.00	45.68 2.27 0.00	52.02 2.46 0.00	52.77 2.56 0.00	53.87 2.28 0.00	57.13 2.31 0.00	117.05 4.99 0.00	67.09 3.35 0.00	60.81 2.93 0.00	61.07 2.87 0.00	66.84 3.25 0.00	55.62 2.79 0.00	56.65 2.91 0.00	44.36 2.40 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	51.10 -3.59 0.00	52.44 -4.11 0.00	44.25 -4.33 0.00	51.34 -4.79 0.00	49.02 -4.98 0.00	48.30 -4.78 0.00	48.26 -5.30 0.00	47.51 -6.34 0.17	31.37 -4.17 0.94	38.70 -4.19 0.00	40.12 -4.25 0.00	39.57 -3.84 0.00	45.00 -4.55 0.00	46.02 -4.20 0.00	46.32 -4.81 0.46	43.99 -5.59 5.25	68.90 -12.80 30.36	29.38 -7.30 27.06	34.74 -7.22 15.93	24.44 -7.05 26.70	33.21 -8.07 22.31	26.52 -6.73 19.58	31.31 -6.37 16.07	15.17 -4.75 22.04
PACKARD___115KV_DUPONT_184 80571	51.10 -3.60 0.00	52.44 -4.12 0.00	44.24 -4.33 0.00	51.33 -4.79 0.00	49.02 -4.98 0.00	48.29 -4.78 0.00	48.26 -5.30 0.00	47.50 -6.36 0.17	31.35 -4.19 0.94	38.69 -4.19 0.00	40.13 -4.24 0.00	39.57 -3.85 0.00	45.00 -4.55 0.00	46.01 -4.21 0.00	46.31 -4.82 0.46	43.99 -5.58 5.25	68.84 -12.86 30.36	29.28 -7.40 27.06	34.66 -7.29 15.93	24.39 -7.10 26.70	33.21 -8.06 22.31	26.46 -6.79 19.58	31.27 -6.41 16.07	15.16 -4.76 22.04
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	55.95 1.26 0.00	57.69 1.13 0.00	49.90 1.32 0.00	57.52 1.40 0.00	55.40 1.39 0.00	54.52 1.45 0.00	55.16 1.60 0.00	55.94 1.92 0.00	37.95 1.48 0.00	44.68 1.79 0.00	46.30 1.93 0.00	45.20 1.78 0.00	51.43 1.87 0.00	52.11 1.89 0.00	53.23 1.64 0.00	56.43 1.60 0.00	115.64 3.58 0.00	66.31 2.57 0.00	60.09 2.21 0.00	60.36 2.17 0.00	66.09 2.49 0.00	54.99 2.16 0.00	55.99 2.24 0.00	43.84 1.88 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	57.06 2.36 0.00	58.88 2.32 0.00	50.90 2.32 0.00	58.72 2.59 0.00	56.57 2.57 0.00	55.70 2.63 0.00	56.39 2.83 0.00	57.15 3.13 0.00	38.76 2.29 0.00	45.62 2.74 0.00	47.24 2.87 0.00	46.13 2.71 0.00	52.52 2.96 0.00	53.25 3.03 0.00	54.38 2.79 0.00	57.65 2.82 0.00	117.91 5.85 0.00	67.61 3.87 0.00	61.26 3.37 0.00	61.50 3.31 0.00	67.32 3.73 0.00	56.11 3.28 0.00	57.01 3.26 0.00	44.72 2.77 0.00
PATROON___115KV_TB1 80586	54.32 -0.37 0.00	56.24 -0.32 0.00	48.50 -0.08 0.00	55.94 -0.18 0.00	53.97 -0.04 0.00	52.93 -0.15 0.00	53.54 -0.02 0.00	54.21 0.19 0.00	36.70 0.23 0.00	42.80 -0.08 0.00	44.17 -0.20 0.00	43.16 -0.26 0.00	49.30 -0.26 0.00	49.88 -0.34 0.00	51.47 -0.12 0.00	55.02 0.20 0.00	112.76 0.70 0.00	64.26 0.52 0.00	58.55 0.67 0.00	58.87 0.67 0.00	64.28 0.70 0.00	53.47 0.64 0.00	54.31 0.56 0.00	42.64 0.68 0.00
PATTRSNVILLE___SOLAR 323815	55.66 0.96 0.00	57.62 1.07 0.00	49.55 0.97 0.00	57.24 1.11 0.00	55.11 1.11 0.00	54.13 1.06 0.00	54.70 1.14 0.00	55.14 1.12 0.00	36.86 0.39 0.00	43.13 0.24 0.00	44.57 0.20 0.00	43.71 0.29 0.00	50.09 0.53 0.00	50.65 0.44 0.00	52.29 0.70 0.00	55.87 1.04 0.00	114.64 2.58 0.00	65.20 1.46 0.00	59.33 1.45 0.00	59.63 1.44 0.00	65.09 1.50 0.00	54.07 1.25 0.00	54.98 1.23 0.00	42.97 1.01 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	52.20 -2.50 0.00	53.79 -2.76 0.00	45.39 -3.19 0.00	52.73 -3.39 0.00	50.31 -3.70 0.00	49.56 -3.52 0.00	49.62 -3.94 0.00	48.94 -4.87 0.20	32.08 -3.24 1.15	39.70 -3.18 0.00	41.16 -3.21 0.00	40.63 -2.79 0.00	46.10 -3.45 0.00	47.06 -3.15 0.00	47.35 -3.68 0.57	43.96 -4.42 6.45	65.18 -9.82 37.07	25.50 -5.73 32.52	32.95 -5.66 19.27	21.05 -5.31 31.83	30.62 -6.10 26.86	24.04 -5.13 23.67	29.44 -4.87 19.44	11.58 -3.71 26.67
PAWLING_115_KV_BK3_REV_LBMP_H 345028	56.40 1.71 0.00	58.23 1.67 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.85 1.84 0.00	54.97 1.90 0.00	55.61 2.05 0.00	56.30 2.28 0.00	38.13 1.65 0.00	44.86 1.98 0.00	46.47 2.10 0.00	45.37 1.96 0.00	51.72 2.16 0.00	52.46 2.25 0.00	53.63 2.05 0.00	57.02 2.19 0.00	116.93 4.86 0.00	66.88 3.14 0.00	60.69 2.81 0.00	60.95 2.76 0.00	66.63 3.04 0.00	55.37 2.54 0.00	56.35 2.60 0.00	44.08 2.12 0.00
PEEKSKILL___ 23653	55.81 1.11 0.00	57.59 1.03 0.00	49.70 1.13 0.00	57.42 1.29 0.00	55.25 1.24 0.00	54.38 1.31 0.00	55.00 1.44 0.00	55.69 1.67 0.00	37.71 1.24 0.00	44.38 1.49 0.00	45.97 1.60 0.00	44.88 1.46 0.00	51.15 1.60 0.00	51.85 1.64 0.00	53.02 1.43 0.00	56.32 1.49 0.00	115.56 3.49 0.00	66.13 2.39 0.00	59.97 2.09 0.00	60.27 2.07 0.00	65.87 2.28 0.00	54.76 1.93 0.00	55.85 2.10 0.00	43.73 1.77 0.00
PGE MADISON___WINDPWR 24146	57.48 2.78 0.00	59.63 3.07 0.00	51.16 2.59 0.00	59.23 3.10 0.00	56.96 2.95 0.00	56.25 3.18 0.00	56.99 3.43 0.00	57.68 3.41 -0.24	39.96 2.12 -1.37	45.09 2.20 0.00	46.32 1.95 0.00	45.53 2.12 0.00	51.59 2.03 0.00	52.24 2.02 0.00	54.61 2.35 -0.67	64.57 2.07 -7.67	159.25 3.97 -43.22	101.06 2.08 -35.24	81.16 2.86 -20.41	94.20 2.18 -33.83	93.85 1.77 -28.48	79.03 1.12 -25.08	75.26 0.91 -20.60	71.00 0.78 -28.26



PIERCEFIELD___HYD 23852	57.05 2.35 0.00	58.94 2.38 0.00	50.46 1.89 0.00	58.30 2.18 0.00	56.09 2.08 0.00	55.13 2.05 0.00	55.61 2.05 0.00	56.00 1.98 0.00	37.70 1.22 0.00	44.44 1.55 0.00	46.04 1.67 0.00	45.12 1.70 0.00	51.62 2.07 0.00	52.25 2.04 0.00	53.62 2.03 0.00	56.45 1.62 0.00	114.42 2.35 0.00	64.88 1.14 0.00	58.64 0.75 0.00	59.14 0.95 0.00	65.22 1.63 0.00	54.34 1.52 0.00	55.36 1.61 0.00	42.94 0.98 0.00
PINELAWN_CC_1 323563	56.46 1.63 -0.14	57.77 1.22 0.00	50.02 1.44 0.00	57.67 1.55 0.00	55.53 1.52 0.00	54.68 1.61 0.00	56.17 1.37 -1.24	56.91 1.63 -1.26	38.40 1.39 -0.54	45.37 1.91 -0.57	46.45 2.08 0.00	45.09 1.67 0.00	51.46 1.40 -0.51	52.93 1.92 -0.78	53.84 1.46 -0.79	56.44 1.60 -0.02	118.85 4.15 -2.63	69.63 2.84 -3.05	61.54 2.72 -0.93	61.67 2.64 -0.84	66.59 2.61 -0.39	55.94 2.30 -0.81	57.10 2.56 -0.79	43.94 1.99 0.00
PJM_GEN_HTTP_PROXY 323702	56.08 1.38 0.00	57.83 1.27 0.00	49.95 1.37 0.00	57.67 1.55 0.00	55.50 1.49 0.00	54.31 1.55 0.31	55.27 1.71 0.00	55.99 1.96 0.00	37.94 1.46 0.00	44.71 1.82 0.00	46.37 2.00 0.00	45.25 1.83 0.00	51.55 2.00 0.00	52.28 2.06 0.00	53.46 1.78 -0.08	60.29 1.75 -3.72	115.94 3.88 0.00	68.19 2.69 -1.76	60.20 2.32 0.00	60.49 2.29 0.00	66.21 2.62 0.00	55.09 2.26 0.00	56.12 2.37 0.00	43.95 1.99 0.00
PJM_GEN_KEystone 24065	51.59 -1.56 1.55	55.02 -1.54 0.00	46.95 -1.63 0.00	54.48 -1.64 0.00	52.15 -1.86 0.00	51.06 -1.71 0.31	51.75 -1.81 0.00	51.78 -2.12 0.12	34.38 -1.40 0.70	41.52 -1.37 0.00	43.07 -1.30 0.00	42.28 -1.14 0.00	48.02 -1.53 0.00	48.87 -1.35 0.00	49.62 -1.71 0.26	53.48 -2.09 -0.74	91.95 -4.09 16.02	37.03 -2.53 24.18	44.63 -2.35 10.91	37.14 -2.37 18.69	45.59 -2.61 15.39	37.47 -2.11 13.25	42.33 -1.63 9.79	27.34 -1.19 13.43
PJM_GEN_NEPTUNE_PROXY 323594	53.58 1.20 2.32	57.36 0.80 0.01	49.65 1.07 0.00	57.27 1.15 0.00	55.13 1.12 0.00	53.95 1.19 0.32	54.50 0.94 0.00	55.22 1.20 0.00	37.56 1.09 0.00	44.42 1.53 0.00	46.12 1.75 0.00	44.85 1.43 0.01	50.75 1.20 0.00	51.71 1.49 0.00	52.77 1.09 -0.08	59.73 1.18 -3.72	115.06 3.00 0.00	69.20 2.19 -3.27	59.93 2.04 0.00	60.19 2.00 0.00	65.60 2.02 0.00	54.60 1.77 0.00	55.77 2.03 0.00	43.60 1.64 0.00
PJM_GEN_VFT_PROXY 323633	32.15 1.13 23.68	40.60 1.00 16.96	41.44 1.16 8.30	40.60 1.32 16.84	32.15 1.25 23.11	40.74 1.33 13.67	55.06 1.50 0.00	55.79 1.77 0.00	37.40 1.38 0.45	39.34 1.68 5.23	41.79 1.84 4.41	41.79 1.68 3.30	41.79 1.82 9.59	42.05 1.87 10.04	46.16 1.61 7.04	55.89 1.57 0.51	99.88 3.55 15.72	54.17 2.51 12.08	46.25 2.15 13.79	46.16 2.13 14.16	48.18 2.43 17.84	42.28 2.10 12.66	41.79 2.22 14.17	42.01 1.90 1.84
PLATSBURG_115KV_PMLD1 355749	56.72 2.02 0.00	58.57 2.01 0.00	50.17 1.59 0.00	57.99 1.87 0.00	55.78 1.77 0.00	54.81 1.74 0.00	55.33 1.77 0.00	55.70 1.67 0.00	37.59 1.12 0.00	44.29 1.41 0.00	45.87 1.50 0.00	44.97 1.55 0.00	51.36 1.81 0.00	51.98 1.76 0.00	53.39 1.80 0.00	56.40 1.58 0.00	114.97 2.91 0.00	65.70 1.96 0.00	59.31 1.42 0.00	59.59 1.40 0.00	65.46 1.87 0.00	54.21 1.38 0.00	55.20 1.45 0.00	43.00 1.04 0.00
PLEASANTVLY___LBMP 24000	55.57 0.88 0.00	57.39 0.84 0.00	49.53 0.95 0.00	57.19 1.07 0.00	55.06 1.05 0.00	54.15 1.08 0.00	54.74 1.18 0.00	55.41 1.38 0.00	37.53 1.05 0.00	44.13 1.25 0.00	45.70 1.33 0.00	44.61 1.20 0.00	50.86 1.30 0.00	51.56 1.35 0.00	52.77 1.18 0.00	56.09 1.26 0.00	114.94 2.88 0.00	65.71 1.97 0.00	59.67 1.79 0.00	59.95 1.76 0.00	65.57 1.98 0.00	54.54 1.71 0.00	55.52 1.78 0.00	43.47 1.52 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	55.99 1.29 0.00	57.80 1.25 0.00	49.88 1.30 0.00	57.60 1.47 0.00	55.44 1.43 0.00	54.56 1.49 0.00	55.17 1.61 0.00	55.86 1.84 0.00	37.85 1.38 0.00	44.55 1.67 0.00	46.16 1.79 0.00	45.05 1.64 0.00	51.34 1.78 0.00	52.06 1.85 0.00	53.21 1.63 0.00	56.53 1.70 0.00	115.82 3.76 0.00	66.28 2.54 0.00	60.15 2.27 0.00	60.43 2.24 0.00	66.08 2.49 0.00	54.99 2.16 0.00	55.97 2.22 0.00	43.82 1.86 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	55.99 1.29 0.00	57.80 1.25 0.00	49.88 1.30 0.00	57.60 1.47 0.00	55.44 1.43 0.00	54.56 1.49 0.00	55.17 1.61 0.00	55.86 1.84 0.00	37.85 1.38 0.00	44.55 1.67 0.00	46.16 1.79 0.00	45.05 1.64 0.00	51.34 1.78 0.00	52.06 1.85 0.00	53.21 1.63 0.00	56.53 1.70 0.00	115.82 3.76 0.00	66.28 2.54 0.00	60.15 2.27 0.00	60.43 2.24 0.00	66.08 2.49 0.00	54.99 2.16 0.00	55.97 2.22 0.00	43.82 1.86 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	56.08 1.38 0.00	57.93 1.37 0.00	49.96 1.39 0.00	57.69 1.57 0.00	55.55 1.55 0.00	54.65 1.57 0.00	55.26 1.70 0.00	55.95 1.93 0.00	37.86 1.39 0.00	44.49 1.60 0.00	46.08 1.71 0.00	45.05 1.64 0.00	51.45 1.89 0.00	52.14 1.92 0.00	53.35 1.76 0.00	56.76 1.93 0.00	116.41 4.35 0.00	66.55 2.81 0.00	60.44 2.56 0.00	60.72 2.53 0.00	66.37 2.78 0.00	55.16 2.33 0.00	56.12 2.37 0.00	43.89 1.94 0.00
POLETTI_____ 23519	55.56 0.87 0.00	57.29 0.73 0.00	49.54 0.96 0.00	57.10 0.98 0.00	54.99 0.98 0.00	54.11 1.04 0.00	54.73 1.17 0.00	55.53 1.50 0.00	37.81 1.34 0.00	44.43 1.55 0.00	45.99 1.62 0.00	44.89 1.47 0.00	51.03 1.47 0.00	51.71 1.49 0.00	52.80 1.21 0.00	55.98 1.16 0.00	114.72 2.66 0.00	65.80 2.06 0.00	59.63 1.75 0.00	59.90 1.71 0.00	65.61 2.02 0.00	54.60 1.77 0.00	55.55 1.80 0.00	43.50 1.54 0.00
POMONA___ESR 323819	55.88 1.18 0.00	57.66 1.10 0.00	49.76 1.19 0.00	57.52 1.40 0.00	55.32 1.31 0.00	54.47 1.39 0.00	55.11 1.55 0.00	55.78 1.76 0.00	37.77 1.30 0.00	44.45 1.57 0.00	46.03 1.66 0.00	44.96 1.54 0.00	51.24 1.68 0.00	51.93 1.71 0.00	53.11 1.52 0.00	56.42 1.59 0.00	115.80 3.74 0.00	66.25 2.51 0.00	60.09 2.20 0.00	60.37 2.18 0.00	66.00 2.41 0.00	54.88 2.05 0.00	55.91 2.16 0.00	43.78 1.82 0.00
PORT_JEFF_3 23555	55.35 1.27 0.62	57.40 0.84 -0.01	49.74 1.17 0.00	57.36 1.24 0.00	55.26 1.25 0.00	54.42 1.34 0.00	61.47 0.77 -7.14	62.28 0.99 -7.28	40.72 1.12 -3.13	47.90 1.71 -3.31	46.28 1.91 0.00	44.90 1.49 0.00	53.46 0.99 -2.92	56.16 1.40 -4.54	57.14 0.99 -4.56	55.91 0.98 -0.10	130.28 3.02 -15.20	74.65 2.27 -8.64	65.47 2.21 -5.38	65.10 2.06 -4.84	67.64 1.80 -2.25	59.18 1.68 -4.68	60.53 2.21 -4.57	43.66 1.70 0.00
PORT_JEFF_4 23616	55.35 1.27 0.62	57.40 0.84 -0.01	49.74 1.17 0.00	57.36 1.24 0.00	55.26 1.25 0.00	54.42 1.34 0.00	61.47 0.77 -7.14	62.28 0.99 -7.28	40.72 1.12 -3.13	47.90 1.71 -3.31	46.28 1.91 0.00	44.90 1.49 0.00	53.46 0.99 -2.92	56.16 1.40 -4.54	57.14 0.99 -4.56	55.91 0.98 -0.10	130.28 3.02 -15.20	74.65 2.27 -8.64	65.47 2.21 -5.38	65.10 2.06 -4.84	67.64 1.80 -2.25	59.18 1.68 -4.68	60.53 2.21 -4.57	43.66 1.70 0.00



PORT_JEFF_IC 23713	55.36 1.36 0.69	57.45 0.90 -0.01	49.79 1.22 0.00	57.42 1.30 0.00	55.32 1.31 0.00	54.49 1.41 0.00	60.31 0.88 -5.87	61.10 1.10 -5.98	40.22 1.18 -2.57	47.38 1.78 -2.72	46.35 1.98 0.00	44.96 1.55 0.00	53.00 1.05 -2.40	55.42 1.47 -3.73	56.43 1.09 -3.75	56.03 1.12 -0.08	127.92 3.37 -12.49	73.62 2.49 -7.40	64.69 2.38 -4.42	64.40 2.23 -3.98	67.43 1.98 -1.85	58.47 1.79 -3.84	59.80 2.30 -3.76	43.72 1.77 0.00
PPL PILGRIM_ST_GT1 24216	56.33 1.90 0.26	58.03 1.47 -0.01	50.25 1.67 0.00	57.96 1.83 0.00	55.80 1.80 0.00	54.93 1.86 0.00	61.50 1.70 -6.24	62.35 1.96 -6.36	40.83 1.62 -2.73	47.97 2.20 -2.89	46.71 2.34 0.00	45.20 1.78 0.00	53.64 1.54 -2.56	56.45 2.26 -3.97	57.43 1.86 -3.99	56.81 1.90 -0.08	130.16 4.80 -13.29	74.54 2.99 -7.81	65.77 3.18 -4.71	65.51 3.08 -4.24	68.60 3.04 -1.97	59.56 2.64 -4.09	60.68 2.94 -4.00	44.12 2.16 0.00
PPL PILGRIM_ST_GT2 24217	56.33 1.90 0.26	58.03 1.47 -0.01	50.25 1.67 0.00	57.96 1.83 0.00	55.80 1.80 0.00	54.93 1.86 0.00	61.50 1.70 -6.24	62.35 1.96 -6.36	40.83 1.62 -2.73	47.97 2.20 -2.89	46.71 2.34 0.00	45.20 1.78 0.00	53.64 1.54 -2.56	56.45 2.26 -3.97	57.43 1.86 -3.99	56.81 1.90 -0.08	130.16 4.80 -13.29	74.54 2.99 -7.81	65.77 3.18 -4.71	65.51 3.08 -4.24	68.60 3.04 -1.97	59.56 2.64 -4.09	60.68 2.94 -4.00	44.12 2.16 0.00
PPL_SHRM_GT3 24213	55.49 1.42 0.62	57.54 0.98 -0.01	49.89 1.32 0.00	57.52 1.40 0.00	55.49 1.48 0.00	54.77 1.69 0.00	61.60 1.24 -6.79	62.43 1.49 -6.92	40.85 1.40 -2.97	48.00 1.97 -3.15	46.46 2.09 0.00	45.06 1.64 0.00	53.50 1.16 -2.78	56.13 1.59 -4.31	57.32 1.39 -4.34	56.47 1.55 -0.09	131.01 4.49 -14.46	75.20 3.16 -8.30	66.03 3.03 -5.12	65.62 2.82 -4.61	68.12 2.38 -2.14	59.34 2.06 -4.45	60.77 2.67 -4.35	43.90 1.95 0.00
PPL_SHRM_GT4 24214	55.49 1.42 0.62	57.54 0.98 -0.01	49.89 1.32 0.00	57.52 1.40 0.00	55.49 1.48 0.00	54.77 1.69 0.00	61.60 1.24 -6.79	62.43 1.49 -6.92	40.85 1.40 -2.97	48.00 1.97 -3.15	46.46 2.09 0.00	45.06 1.64 0.00	53.50 1.16 -2.78	56.13 1.59 -4.31	57.32 1.39 -4.34	56.47 1.55 -0.09	131.01 4.49 -14.46	75.20 3.16 -8.30	66.03 3.03 -5.12	65.62 2.82 -4.61	68.12 2.38 -2.14	59.34 2.06 -4.45	60.77 2.67 -4.35	43.90 1.95 0.00
PROJECT___ORANGE 1 24174	53.66 -1.03 0.00	55.42 -1.14 0.00	47.55 -1.03 0.00	54.93 -1.19 0.00	52.84 -1.17 0.00	51.99 -1.09 0.00	52.48 -1.08 0.00	52.86 -1.16 0.00	35.69 -0.78 0.00	42.01 -0.88 0.00	43.48 -0.89 0.00	42.55 -0.86 0.00	48.53 -1.02 0.00	49.29 -0.92 0.00	50.63 -0.96 0.00	53.80 -1.03 0.00	109.97 -2.09 0.00	62.52 -1.22 0.00	56.75 -1.14 0.00	56.98 -1.21 0.00	62.14 -1.45 0.00	51.59 -1.24 0.00	52.45 -1.30 0.00	41.00 -0.96 0.00
PROJECT___ORANGE 2 24166	53.66 -1.03 0.00	55.42 -1.14 0.00	47.55 -1.03 0.00	54.93 -1.19 0.00	52.84 -1.17 0.00	51.99 -1.09 0.00	52.48 -1.08 0.00	52.86 -1.16 0.00	35.69 -0.78 0.00	42.01 -0.88 0.00	43.48 -0.89 0.00	42.55 -0.86 0.00	48.53 -1.02 0.00	49.29 -0.92 0.00	50.63 -0.96 0.00	53.80 -1.03 0.00	109.97 -2.09 0.00	62.52 -1.22 0.00	56.75 -1.14 0.00	56.98 -1.21 0.00	62.14 -1.45 0.00	51.59 -1.24 0.00	52.45 -1.30 0.00	41.00 -0.96 0.00
PUCKETT___SOLAR 323809	54.87 0.17 0.00	56.94 0.39 0.00	48.85 0.28 0.00	56.53 0.41 0.00	54.29 0.29 0.00	53.48 0.41 0.00	54.00 0.44 0.00	54.35 0.33 0.00	36.62 0.14 0.00	42.94 0.05 0.00	44.32 -0.04 0.00	43.38 -0.03 0.00	49.22 -0.34 0.00	50.24 0.02 0.00	51.69 0.10 0.00	54.71 -0.12 0.00	111.49 -0.57 0.00	63.34 -0.40 0.00	57.82 -0.07 0.00	57.98 -0.21 0.00	63.13 -0.46 0.00	52.35 -0.47 0.00	53.24 -0.51 0.00	41.63 -0.33 0.00
PYRITES___HYD 24023	57.95 3.25 0.00	59.86 3.30 0.00	51.24 2.66 0.00	59.20 3.08 0.00	56.96 2.96 0.00	56.01 2.93 0.00	56.56 3.00 0.00	56.94 2.91 0.00	38.22 1.74 0.00	44.97 2.09 0.00	46.57 2.20 0.00	45.57 2.16 0.00	52.25 2.70 0.00	52.92 2.70 0.00	54.43 2.84 0.00	57.43 2.60 0.00	116.71 4.65 0.00	66.29 2.55 0.00	59.90 2.01 0.00	60.37 2.17 0.00	66.43 2.84 0.00	55.30 2.47 0.00	56.35 2.60 0.00	43.68 1.72 0.00
QUAKERRD_115KV_BK1 80622	52.17 -2.52 0.00	53.68 -2.87 0.00	45.76 -2.81 0.00	52.96 -3.16 0.00	50.80 -3.21 0.00	50.05 -3.02 0.00	50.36 -3.20 0.00	50.32 -3.65 0.06	33.67 -2.46 0.34	40.41 -2.47 0.00	41.86 -2.51 0.00	41.10 -2.32 0.00	46.87 -2.69 0.00	47.76 -2.46 0.00	48.67 -2.75 0.17	49.75 -3.16 1.92	94.32 -6.95 10.79	50.32 -4.05 9.37	47.66 -4.03 6.20	45.39 -4.08 8.72	50.68 -4.68 8.23	41.33 -3.98 7.52	43.53 -3.97 6.25	30.39 -3.00 8.57
QUENSBRY_115KV_TB8 356137	57.37 2.67 0.00	59.50 2.95 0.00	51.24 2.67 0.00	59.18 3.05 0.00	57.14 3.14 0.00	56.12 3.05 0.00	57.01 3.45 0.00	57.85 3.83 0.00	38.78 2.31 0.00	44.72 1.83 0.00	45.99 1.62 0.00	45.18 1.76 0.00	51.97 2.41 0.00	52.50 2.29 0.00	54.53 2.94 0.00	58.63 3.80 0.00	120.27 8.21 0.00	68.29 4.55 0.00	62.29 4.41 0.00	62.53 4.34 0.00	68.06 4.48 0.00	56.52 3.69 0.00	57.41 3.67 0.00	44.76 2.80 0.00
RAMAPO___LBMP 323565	55.69 1.00 0.00	57.47 0.91 0.00	49.59 1.01 0.00	57.33 1.20 0.00	55.14 1.13 0.00	54.29 1.22 0.00	54.92 1.36 0.00	55.59 1.57 0.00	37.62 1.15 0.00	44.28 1.39 0.00	45.86 1.49 0.00	44.78 1.36 0.00	51.04 1.49 0.00	51.73 1.51 0.00	52.91 1.32 0.00	56.21 1.38 0.00	115.36 3.30 0.00	66.01 2.28 0.00	59.86 1.97 0.00	60.12 1.92 0.00	65.75 2.16 0.00	54.65 1.82 0.00	55.70 1.95 0.00	43.63 1.68 0.00
RANKINE____ 23646	52.35 -2.35 0.00	53.91 -2.65 0.00	45.47 -3.11 0.00	52.79 -3.33 0.00	50.37 -3.63 0.00	49.63 -3.44 0.00	49.62 -3.94 0.00	48.85 -4.97 0.20	32.06 -3.29 1.12	39.67 -3.22 0.00	41.08 -3.28 0.00	40.54 -2.88 0.00	46.02 -3.53 0.00	47.00 -3.22 0.00	47.25 -3.79 0.55	43.97 -4.59 6.28	65.66 -10.28 36.12	25.90 -6.01 31.84	32.89 -6.04 18.95	21.18 -5.86 31.16	30.49 -6.71 26.38	23.93 -5.64 23.26	29.24 -5.39 19.12	11.68 -4.06 26.22
RAVENSWOOD_GT2_1 24244	56.11 1.41 0.00	57.86 1.31 0.00	50.00 1.42 0.00	57.72 1.59 0.00	55.55 1.54 0.00	54.67 1.59 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.44 1.85 0.00	56.64 1.81 0.00	116.04 3.98 0.00	66.49 2.75 0.00	60.27 2.38 0.00	60.55 2.36 0.00	66.27 2.68 0.00	55.16 2.33 0.00	56.19 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT2_2 24245	56.11 1.41 0.00	57.86 1.31 0.00	50.00 1.42 0.00	57.72 1.59 0.00	55.55 1.54 0.00	54.67 1.59 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.44 1.85 0.00	56.64 1.81 0.00	116.04 3.98 0.00	66.49 2.75 0.00	60.27 2.38 0.00	60.55 2.36 0.00	66.27 2.68 0.00	55.16 2.33 0.00	56.19 2.45 0.00	44.01 2.05 0.00



RAVENSWOOD_GT2_3 24246	56.14 1.45 0.00	57.89 1.34 0.00	50.02 1.44 0.00	57.73 1.61 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.32 1.76 0.00	56.05 2.03 0.00	38.02 1.55 0.00	44.79 1.91 0.00	46.44 2.07 0.00	45.33 1.92 0.00	51.63 2.08 0.00	52.37 2.15 0.00	53.46 1.87 0.00	56.68 1.86 0.00	116.07 4.00 0.00	66.52 2.78 0.00	60.31 2.43 0.00	60.58 2.39 0.00	66.29 2.70 0.00	55.18 2.35 0.00	56.22 2.47 0.00	44.02 2.06 0.00
RAVENSWOOD_GT2_4 24247	56.14 1.45 0.00	57.89 1.34 0.00	50.02 1.44 0.00	57.73 1.61 0.00	55.55 1.54 0.00	54.68 1.61 0.00	55.32 1.76 0.00	56.05 2.03 0.00	38.02 1.55 0.00	44.79 1.91 0.00	46.44 2.07 0.00	45.33 1.92 0.00	51.63 2.08 0.00	52.37 2.15 0.00	53.46 1.87 0.00	56.68 1.86 0.00	116.07 4.00 0.00	66.52 2.78 0.00	60.31 2.43 0.00	60.58 2.39 0.00	66.29 2.70 0.00	55.18 2.35 0.00	56.22 2.47 0.00	44.02 2.06 0.00
RAVENSWOOD_GT3_1 24248	56.12 1.42 0.00	57.86 1.31 0.00	50.00 1.42 0.00	57.72 1.59 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.49 2.75 0.00	60.27 2.38 0.00	60.55 2.36 0.00	66.27 2.68 0.00	55.16 2.33 0.00	56.19 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT3_2 24249	56.12 1.42 0.00	57.86 1.31 0.00	50.00 1.42 0.00	57.72 1.59 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.49 2.75 0.00	60.27 2.38 0.00	60.55 2.36 0.00	66.27 2.68 0.00	55.16 2.33 0.00	56.19 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT3_3 24250	56.20 1.51 0.00	57.95 1.39 0.00	50.06 1.48 0.00	57.78 1.66 0.00	55.60 1.60 0.00	54.73 1.66 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.06 1.58 0.00	44.83 1.95 0.00	46.48 2.12 0.00	45.38 1.96 0.00	51.69 2.13 0.00	52.42 2.20 0.00	53.52 1.93 0.00	56.74 1.92 0.00	116.22 4.16 0.00	66.59 2.85 0.00	60.37 2.48 0.00	60.64 2.45 0.00	66.37 2.79 0.00	55.24 2.41 0.00	56.27 2.52 0.00	44.06 2.11 0.00
RAVENSWOOD_GT3_4 24251	56.20 1.51 0.00	57.95 1.39 0.00	50.06 1.48 0.00	57.78 1.66 0.00	55.60 1.60 0.00	54.73 1.66 0.00	55.38 1.82 0.00	56.10 2.08 0.00	38.06 1.58 0.00	44.83 1.95 0.00	46.48 2.12 0.00	45.38 1.96 0.00	51.69 2.13 0.00	52.42 2.20 0.00	53.52 1.93 0.00	56.74 1.92 0.00	116.22 4.16 0.00	66.59 2.85 0.00	60.37 2.48 0.00	60.64 2.45 0.00	66.37 2.79 0.00	55.24 2.41 0.00	56.27 2.52 0.00	44.06 2.11 0.00
RAVENSWOOD_GT_1 23729	56.11 1.41 0.00	57.86 1.31 0.00	50.05 1.47 0.00	57.72 1.59 0.00	55.57 1.57 0.00	54.71 1.64 0.00	55.36 1.80 0.00	56.11 2.09 0.00	38.09 1.62 0.00	44.87 1.98 0.00	46.51 2.14 0.00	45.40 1.99 0.00	51.70 2.14 0.00	52.39 2.17 0.00	53.49 1.90 0.00	56.66 1.83 0.00	115.87 3.81 0.00	66.45 2.71 0.00	60.22 2.34 0.00	60.50 2.31 0.00	66.25 2.66 0.00	55.17 2.34 0.00	56.23 2.48 0.00	44.05 2.09 0.00
RAVENSWOOD_GT_10 24258	56.13 1.43 0.00	57.87 1.32 0.00	50.00 1.42 0.00	57.72 1.60 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.50 2.76 0.00	60.27 2.39 0.00	60.55 2.36 0.00	66.27 2.69 0.00	55.16 2.33 0.00	56.20 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_11 24259	56.13 1.43 0.00	57.87 1.32 0.00	50.00 1.42 0.00	57.72 1.60 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.50 2.76 0.00	60.27 2.39 0.00	60.55 2.36 0.00	66.27 2.69 0.00	55.16 2.33 0.00	56.20 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_4 24252	56.09 1.39 0.00	57.85 1.29 0.00	49.99 1.42 0.00	57.70 1.57 0.00	55.54 1.54 0.00	54.66 1.59 0.00	55.31 1.75 0.00	56.03 2.01 0.00	38.02 1.54 0.00	44.78 1.89 0.00	46.43 2.06 0.00	45.32 1.91 0.00	51.61 2.05 0.00	52.33 2.12 0.00	53.43 1.84 0.00	56.63 1.80 0.00	115.95 3.89 0.00	66.48 2.74 0.00	60.25 2.36 0.00	60.53 2.33 0.00	66.25 2.66 0.00	55.14 2.31 0.00	56.18 2.44 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_5 24254	56.09 1.39 0.00	57.85 1.29 0.00	49.99 1.42 0.00	57.70 1.57 0.00	55.54 1.54 0.00	54.66 1.59 0.00	55.31 1.75 0.00	56.03 2.01 0.00	38.02 1.54 0.00	44.78 1.89 0.00	46.43 2.06 0.00	45.32 1.91 0.00	51.61 2.05 0.00	52.33 2.12 0.00	53.43 1.84 0.00	56.63 1.80 0.00	115.95 3.89 0.00	66.48 2.74 0.00	60.25 2.36 0.00	60.53 2.33 0.00	66.25 2.66 0.00	55.14 2.31 0.00	56.18 2.44 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_6 24253	56.09 1.39 0.00	57.85 1.29 0.00	49.99 1.42 0.00	57.70 1.57 0.00	55.54 1.54 0.00	54.66 1.59 0.00	55.31 1.75 0.00	56.03 2.01 0.00	38.02 1.54 0.00	44.78 1.89 0.00	46.43 2.06 0.00	45.32 1.91 0.00	51.61 2.05 0.00	52.33 2.12 0.00	53.43 1.84 0.00	56.63 1.80 0.00	115.95 3.89 0.00	66.48 2.74 0.00	60.25 2.36 0.00	60.53 2.33 0.00	66.25 2.66 0.00	55.14 2.31 0.00	56.18 2.44 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_7 24255	56.09 1.39 0.00	57.85 1.29 0.00	49.99 1.42 0.00	57.70 1.57 0.00	55.54 1.54 0.00	54.66 1.59 0.00	55.31 1.75 0.00	56.03 2.01 0.00	38.02 1.54 0.00	44.78 1.89 0.00	46.43 2.06 0.00	45.32 1.91 0.00	51.61 2.05 0.00	52.33 2.12 0.00	53.43 1.84 0.00	56.63 1.80 0.00	115.95 3.89 0.00	66.48 2.74 0.00	60.25 2.36 0.00	60.53 2.33 0.00	66.25 2.66 0.00	55.14 2.31 0.00	56.18 2.44 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	56.13 1.43 0.00	57.87 1.32 0.00	50.00 1.42 0.00	57.72 1.60 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.50 2.76 0.00	60.27 2.39 0.00	60.55 2.36 0.00	66.27 2.69 0.00	55.16 2.33 0.00	56.20 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD_GT_9 24257	56.13 1.43 0.00	57.87 1.32 0.00	50.00 1.42 0.00	57.72 1.60 0.00	55.55 1.54 0.00	54.67 1.60 0.00	55.31 1.74 0.00	56.03 2.01 0.00	38.00 1.53 0.00	44.77 1.89 0.00	46.42 2.05 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.33 2.12 0.00	53.45 1.86 0.00	56.64 1.82 0.00	116.04 3.98 0.00	66.50 2.76 0.00	60.27 2.39 0.00	60.55 2.36 0.00	66.27 2.69 0.00	55.16 2.33 0.00	56.20 2.45 0.00	44.01 2.05 0.00



RAVENSWOOD___1 23533	56.07 1.38 0.00	57.82 1.26 0.00	50.03 1.45 0.00	57.69 1.57 0.00	55.53 1.53 0.00	54.68 1.61 0.00	55.33 1.77 0.00	56.08 2.06 0.00	38.06 1.59 0.00	44.84 1.95 0.00	46.48 2.11 0.00	45.38 1.96 0.00	51.65 2.10 0.00	52.37 2.15 0.00	53.45 1.86 0.00	56.62 1.79 0.00	115.87 3.81 0.00	66.46 2.72 0.00	60.21 2.33 0.00	60.52 2.33 0.00	66.23 2.64 0.00	55.16 2.33 0.00	56.19 2.44 0.00	44.02 2.07 0.00
RAVENSWOOD___2 23534	56.05 1.36 0.00	57.81 1.25 0.00	50.00 1.42 0.00	57.66 1.53 0.00	55.51 1.50 0.00	54.65 1.58 0.00	55.30 1.74 0.00	56.04 2.02 0.00	38.05 1.57 0.00	44.81 1.92 0.00	46.45 2.08 0.00	45.34 1.92 0.00	51.62 2.07 0.00	52.33 2.11 0.00	53.42 1.83 0.00	56.60 1.77 0.00	115.84 3.78 0.00	66.44 2.70 0.00	60.19 2.31 0.00	60.49 2.29 0.00	66.20 2.61 0.00	55.13 2.30 0.00	56.17 2.42 0.00	43.99 2.04 0.00
RAVENSWOOD___3 23535	56.13 1.43 0.00	57.88 1.32 0.00	50.00 1.42 0.00	57.72 1.59 0.00	55.55 1.54 0.00	54.68 1.60 0.00	55.31 1.75 0.00	56.03 2.00 0.00	38.00 1.53 0.00	44.77 1.88 0.00	46.42 2.05 0.00	45.31 1.89 0.00	51.60 2.05 0.00	52.33 2.11 0.00	53.45 1.86 0.00	56.65 1.82 0.00	116.06 4.00 0.00	66.50 2.76 0.00	60.28 2.39 0.00	60.57 2.38 0.00	66.28 2.69 0.00	55.18 2.35 0.00	56.20 2.45 0.00	44.01 2.05 0.00
RAVENSWOOD___4 23820	56.05 1.36 0.00	57.81 1.25 0.00	50.00 1.42 0.00	57.66 1.53 0.00	55.51 1.50 0.00	54.65 1.58 0.00	55.30 1.74 0.00	56.04 2.02 0.00	38.05 1.57 0.00	44.81 1.92 0.00	46.45 2.08 0.00	45.34 1.92 0.00	51.62 2.07 0.00	52.33 2.11 0.00	53.42 1.83 0.00	56.60 1.77 0.00	115.84 3.78 0.00	66.44 2.70 0.00	60.19 2.31 0.00	60.49 2.29 0.00	66.20 2.61 0.00	55.13 2.30 0.00	56.17 2.42 0.00	43.99 2.04 0.00
RCPL_TRUST___DRP 24196	56.13 1.43 0.00	57.88 1.33 0.00	49.99 1.41 0.00	57.73 1.60 0.00	55.55 1.54 0.00	54.68 1.60 0.00	55.32 1.76 0.00	56.04 2.02 0.00	37.98 1.51 0.00	44.75 1.87 0.00	46.42 2.06 0.00	45.30 1.89 0.00	51.60 2.05 0.00	52.35 2.13 0.00	53.44 1.85 0.00	56.64 1.81 0.00	116.04 3.97 0.00	66.48 2.74 0.00	60.26 2.37 0.00	60.52 2.33 0.00	66.26 2.67 0.00	55.14 2.31 0.00	56.17 2.42 0.00	43.99 2.03 0.00
RED___ROCHESTER 323720	53.63 -1.07 0.00	55.12 -1.44 0.00	46.88 -1.70 0.00	54.28 -1.84 0.00	52.02 -1.99 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.56 0.10	34.21 -1.72 0.54	41.40 -1.49 0.00	42.92 -1.45 0.00	42.19 -1.22 0.00	48.08 -1.47 0.00	49.05 -1.17 0.00	49.84 -1.48 0.27	49.91 -1.87 3.05	90.45 -4.41 17.20	46.23 -2.67 14.84	45.54 -2.85 9.50	41.32 -2.88 13.99	47.40 -3.41 12.78	38.29 -2.98 11.56	41.29 -2.88 9.58	26.64 -2.18 13.14
REGAN___SOLAR 323812	56.46 1.76 0.00	58.36 1.80 0.00	50.13 1.55 0.00	57.90 1.78 0.00	55.74 1.73 0.00	54.81 1.74 0.00	55.36 1.80 0.00	55.64 1.62 0.00	36.81 0.34 0.00	42.89 0.00 0.00	44.37 0.00 0.00	43.80 0.39 0.00	50.36 0.81 0.00	50.89 0.67 0.00	52.59 1.00 0.00	56.46 1.64 0.00	115.97 3.91 0.00	65.91 2.17 0.00	59.93 2.04 0.00	60.20 2.00 0.00	65.66 2.07 0.00	54.53 1.70 0.00	55.41 1.66 0.00	43.24 1.28 0.00
RENSSELAER___COGEN 23796	54.10 -0.60 0.00	56.01 -0.55 0.00	48.31 -0.27 0.00	55.71 -0.41 0.00	53.74 -0.27 0.00	52.71 -0.36 0.00	53.31 -0.26 0.00	53.97 -0.05 0.00	36.54 0.06 0.00	42.63 -0.26 0.00	43.97 -0.40 0.00	42.93 -0.49 0.00	49.05 -0.51 0.00	49.63 -0.59 0.00	51.20 -0.38 0.00	54.71 -0.12 0.00	112.15 0.09 0.00	63.92 0.18 0.00	58.25 0.37 0.00	58.55 0.35 0.00	63.96 0.37 0.00	53.20 0.37 0.00	54.06 0.31 0.00	42.43 0.47 0.00
REPUBLIC_115KV_BARTNBRK 55605	59.96 5.27 0.00	62.43 5.87 0.00	53.67 5.10 0.00	61.98 5.85 0.00	59.95 5.94 0.00	58.93 5.86 0.00	60.22 6.66 0.00	61.30 7.28 0.00	40.82 4.35 0.00	46.38 3.50 0.00	47.51 3.14 0.00	46.81 3.40 0.00	54.18 4.63 0.00	54.57 4.35 0.00	57.23 5.64 0.00	62.18 7.36 0.00	127.54 15.48 0.00	72.06 8.32 0.00	65.85 7.96 0.00	66.11 7.92 0.00	71.38 7.79 0.00	59.11 6.28 0.00	59.95 6.20 0.00	46.74 4.78 0.00
REVERE_CPPR_DRP 24186	56.27 1.58 0.00	58.19 1.63 0.00	49.96 1.38 0.00	57.75 1.63 0.00	55.56 1.55 0.00	54.69 1.62 0.00	55.31 1.75 0.00	55.77 1.75 0.00	37.62 1.14 0.00	44.18 1.29 0.00	45.65 1.28 0.00	44.77 1.35 0.00	50.94 1.38 0.00	51.54 1.32 0.00	53.08 1.50 0.00	56.42 1.59 0.00	115.63 3.57 0.00	65.58 1.84 0.00	59.45 1.57 0.00	59.67 1.47 0.00	65.12 1.53 0.00	53.97 1.14 0.00	54.86 1.11 0.00	42.64 0.68 0.00
REYNLDPA_13_KV_LD 356490	56.51 1.81 0.00	58.39 1.83 0.00	50.03 1.45 0.00	57.80 1.68 0.00	55.61 1.60 0.00	54.63 1.56 0.00	55.11 1.55 0.00	55.48 1.45 0.00	37.42 0.95 0.00	44.14 1.25 0.00	45.73 1.36 0.00	44.83 1.42 0.00	51.19 1.64 0.00	51.84 1.62 0.00	53.23 1.64 0.00	56.37 1.54 0.00	114.46 2.40 0.00	65.00 1.26 0.00	59.16 1.27 0.00	59.55 1.35 0.00	65.24 1.65 0.00	54.15 1.32 0.00	55.09 1.34 0.00	42.86 0.90 0.00
REYNOLDS_115KV_TB3 80639	54.39 -0.31 0.00	56.33 -0.22 0.00	48.59 0.01 0.00	56.05 -0.08 0.00	54.06 0.06 0.00	53.02 -0.05 0.00	53.61 0.05 0.00	54.31 0.28 0.00	36.72 0.25 0.00	42.82 -0.06 0.00	44.17 -0.20 0.00	43.06 -0.36 0.00	49.24 -0.31 0.00	49.84 -0.38 0.00	51.46 -0.13 0.00	55.05 0.22 0.00	112.82 0.76 0.00	64.27 0.53 0.00	58.66 0.78 0.00	58.96 0.77 0.00	64.38 0.79 0.00	53.56 0.73 0.00	54.45 0.70 0.00	42.74 0.78 0.00
RIVERBAY____ 323610	57.06 2.36 0.00	58.88 2.32 0.00	50.90 2.32 0.00	58.72 2.59 0.00	56.57 2.57 0.00	55.70 2.63 0.00	56.39 2.83 0.00	57.15 3.13 0.00	38.76 2.29 0.00	45.62 2.74 0.00	47.24 2.87 0.00	46.13 2.71 0.00	52.52 2.96 0.00	53.25 3.03 0.00	54.38 2.79 0.00	57.65 2.82 0.00	117.91 5.85 0.00	67.61 3.87 0.00	61.26 3.37 0.00	61.50 3.31 0.00	67.32 3.73 0.00	56.11 3.28 0.00	57.01 3.26 0.00	44.72 2.77 0.00
RIVERSDE_115KV_TB3 55908	54.28 -0.42 0.00	56.19 -0.37 0.00	48.46 -0.11 0.00	55.90 -0.22 0.00	53.93 -0.08 0.00	52.89 -0.18 0.00	53.50 -0.06 0.00	54.17 0.14 0.00	36.66 0.19 0.00	42.76 -0.13 0.00	44.11 -0.26 0.00	43.04 -0.37 0.00	49.19 -0.36 0.00	49.78 -0.44 0.00	51.37 -0.21 0.00	54.94 0.11 0.00	112.59 0.53 0.00	64.15 0.41 0.00	58.50 0.61 0.00	58.80 0.61 0.00	64.22 0.63 0.00	53.42 0.59 0.00	54.28 0.53 0.00	42.61 0.65 0.00
ROARING___BROOK_WT_PWR 323790	55.01 0.32 0.00	56.86 0.30 0.00	48.83 0.25 0.00	56.41 0.29 0.00	54.30 0.29 0.00	53.34 0.27 0.00	53.83 0.27 0.00	54.28 0.25 0.00	36.62 0.14 0.00	43.09 0.20 0.00	44.59 0.22 0.00	43.63 0.22 0.00	49.72 0.16 0.00	50.31 0.09 0.00	51.50 -0.09 0.00	54.35 -0.48 0.00	111.00 -1.07 0.00	62.69 -1.05 0.00	56.44 -1.45 0.00	56.73 -1.46 0.00	62.18 -1.41 0.00	51.68 -1.15 0.00	52.76 -0.98 0.00	41.26 -0.70 0.00



ROCHESRG_115KV_T4 355643	53.05 -1.65 0.00	54.53 -2.02 0.00	46.40 -2.18 0.00	53.72 -2.41 0.00	51.50 -2.51 0.00	50.73 -2.35 0.00	50.95 -2.61 0.00	50.77 -3.16 0.09	33.82 -2.12 0.53	40.90 -1.98 0.00	42.38 -1.99 0.00	41.66 -1.75 0.00	47.48 -2.07 0.00	48.41 -1.80 0.00	49.18 -2.15 0.26	49.26 -2.59 2.98	89.35 -5.91 16.80	45.79 -3.50 14.45	45.03 -3.58 9.28	41.00 -3.61 13.58	46.91 -4.22 12.46	37.97 -3.57 11.29	40.91 -3.48 9.36	26.50 -2.61 12.84
ROCHESTER_9_IC 23652	53.42 -1.28 0.00	54.91 -1.64 0.00	46.71 -1.87 0.00	54.09 -2.04 0.00	51.82 -2.18 0.00	51.09 -1.98 0.00	51.33 -2.23 0.00	51.14 -2.79 0.10	34.06 -1.87 0.54	41.21 -1.68 0.00	42.72 -1.65 0.00	42.00 -1.42 0.00	47.86 -1.69 0.00	48.81 -1.41 0.00	49.58 -1.74 0.27	49.62 -2.15 3.05	89.84 -5.00 17.22	45.92 -2.95 14.86	45.26 -3.12 9.51	41.02 -3.16 14.01	47.07 -3.72 12.80	38.05 -3.20 11.58	41.04 -3.12 9.59	26.46 -2.34 13.16
ROCKVIEW_13_KV_LD 356306	56.25 1.55 0.00	58.04 1.49 0.00	50.09 1.51 0.00	57.85 1.72 0.00	55.68 1.68 0.00	54.82 1.74 0.00	55.42 1.86 0.00	56.12 2.10 0.00	38.05 1.57 0.00	44.82 1.93 0.00	46.45 2.08 0.00	45.34 1.93 0.00	51.65 2.10 0.00	52.38 2.16 0.00	53.51 1.92 0.00	56.78 1.95 0.00	116.38 4.31 0.00	66.63 2.89 0.00	60.44 2.55 0.00	60.71 2.52 0.00	66.41 2.82 0.00	55.26 2.43 0.00	56.24 2.50 0.00	44.03 2.07 0.00
ROME____115KV_TB2 80656	56.27 1.58 0.00	58.19 1.63 0.00	49.96 1.38 0.00	57.75 1.63 0.00	55.56 1.55 0.00	54.69 1.62 0.00	55.31 1.75 0.00	55.77 1.75 0.00	37.62 1.14 0.00	44.18 1.29 0.00	45.65 1.28 0.00	44.77 1.35 0.00	50.94 1.38 0.00	51.54 1.32 0.00	53.08 1.50 0.00	56.42 1.59 0.00	115.63 3.57 0.00	65.58 1.84 0.00	59.45 1.57 0.00	59.67 1.47 0.00	65.12 1.53 0.00	53.97 1.14 0.00	54.86 1.11 0.00	42.64 0.68 0.00
ROSETON___1 23587	55.61 0.91 0.00	57.44 0.89 0.00	49.56 0.98 0.00	57.25 1.12 0.00	55.09 1.08 0.00	54.19 1.12 0.00	54.77 1.21 0.00	55.45 1.43 0.00	37.54 1.06 0.00	44.15 1.27 0.00	45.72 1.35 0.00	44.64 1.22 0.00	50.89 1.34 0.00	51.59 1.37 0.00	52.80 1.21 0.00	56.11 1.29 0.00	115.04 2.98 0.00	65.77 2.03 0.00	59.70 1.82 0.00	60.01 1.81 0.00	65.59 2.00 0.00	54.55 1.72 0.00	55.54 1.79 0.00	43.48 1.52 0.00
ROSETON___2 23588	55.61 0.91 0.00	57.44 0.89 0.00	49.56 0.98 0.00	57.25 1.12 0.00	55.09 1.08 0.00	54.19 1.12 0.00	54.77 1.21 0.00	55.45 1.43 0.00	37.54 1.06 0.00	44.15 1.27 0.00	45.72 1.35 0.00	44.64 1.22 0.00	50.89 1.34 0.00	51.59 1.37 0.00	52.80 1.21 0.00	56.11 1.29 0.00	115.04 2.98 0.00	65.77 2.03 0.00	59.70 1.82 0.00	60.01 1.81 0.00	65.59 2.00 0.00	54.55 1.72 0.00	55.54 1.79 0.00	43.48 1.52 0.00
ROTRRDAM_115KV_TB3 80664	55.42 0.73 0.00	57.40 0.85 0.00	49.39 0.81 0.00	57.04 0.92 0.00	54.95 0.94 0.00	53.96 0.88 0.00	54.52 0.96 0.00	55.10 1.08 0.00	37.11 0.63 0.00	43.41 0.53 0.00	44.81 0.44 0.00	43.86 0.44 0.00	50.19 0.63 0.00	50.80 0.58 0.00	52.33 0.74 0.00	55.87 1.04 0.00	114.48 2.42 0.00	65.15 1.41 0.00	59.33 1.44 0.00	59.64 1.44 0.00	65.11 1.52 0.00	54.10 1.27 0.00	55.02 1.27 0.00	43.02 1.07 0.00
RUSSELL___1 23602	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
RUSSELL___2 23532	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
RUSSELL___3 23549	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
RUSSELL___4 23556	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
RUSSELL___STATION 23914	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
S SALMON___HYD 24043	53.80 -0.89 0.00	55.54 -1.02 0.00	47.62 -0.96 0.00	55.03 -1.10 0.00	52.95 -1.06 0.00	52.11 -0.97 0.00	52.65 -0.91 0.00	53.01 -1.01 0.00	35.75 -0.72 0.00	42.12 -0.76 0.00	43.61 -0.75 0.00	42.60 -0.81 0.00	48.70 -0.86 0.00	49.29 -0.93 0.00	50.52 -1.07 0.00	53.60 -1.23 0.00	109.67 -2.39 0.00	62.10 -1.64 0.00	56.20 -1.68 0.00	56.47 -1.73 0.00	61.51 -2.08 0.00	51.09 -1.74 0.00	52.04 -1.71 0.00	40.40 -1.55 0.00
S.PERRY__115KV_TB1 80734	54.71 0.02 0.00	56.37 -0.19 0.00	47.80 -0.77 0.00	55.47 -0.65 0.00	53.06 -0.95 0.00	52.34 -0.74 0.00	52.55 -1.01 0.00	51.90 -1.82 0.30	33.26 -1.50 1.71	41.53 -1.36 0.00	43.06 -1.31 0.00	42.41 -1.01 0.00	47.86 -1.69 0.00	48.90 -1.32 0.00	49.05 -1.70 0.84	42.97 -2.29 9.57	53.75 -3.99 54.32	13.98 -2.29 47.46	25.14 -2.75 29.99	10.35 -2.65 45.20	19.68 -3.28 40.63	13.30 -2.96 36.57	20.46 -3.02 30.26	-1.79 -2.24 41.51
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	51.99 -2.71 0.00	53.45 -3.11 0.00	45.11 -3.46 0.00	52.35 -3.78 0.00	49.97 -4.04 0.00	49.22 -3.86 0.00	49.21 -4.35 0.00	48.43 -5.42 0.18	31.90 -3.58 1.00	39.38 -3.50 0.00	40.82 -3.55 0.00	40.26 -3.16 0.00	45.76 -3.79 0.00	46.77 -3.45 0.00	47.07 -4.03 0.49	44.44 -4.81 5.58	68.86 -10.95 32.25	28.72 -6.38 28.64	34.64 -6.37 16.87	23.75 -6.23 28.21	32.87 -7.11 23.62	26.13 -5.96 20.74	31.05 -5.68 17.02	14.35 -4.26 23.35



SAWYER___23_KV_LOAD 55526	51.99 -2.71 0.00	53.45 -3.11 0.00	45.11 -3.46 0.00	52.35 -3.78 0.00	49.97 -4.04 0.00	49.22 -3.86 0.00	49.21 -4.35 0.00	48.43 -5.42 0.18	31.90 -3.58 1.00	39.38 -3.50 0.00	40.82 -3.55 0.00	40.26 -3.16 0.00	45.76 -3.79 0.00	46.77 -3.45 0.00	47.07 -4.03 0.49	44.44 -4.81 5.58	68.86 -10.95 32.25	28.72 -6.38 28.64	34.64 -6.37 16.87	23.75 -6.23 28.21	32.87 -7.11 23.62	26.13 -5.96 20.74	31.05 -5.68 17.02	14.35 -4.26 23.35
SELKIRK___I 23801	54.85 0.16 0.00	56.81 0.25 0.00	48.94 0.36 0.00	56.49 0.37 0.00	54.45 0.44 0.00	53.42 0.35 0.00	53.93 0.37 0.00	54.51 0.49 0.00	36.79 0.31 0.00	42.97 0.08 0.00	44.33 -0.04 0.00	43.39 -0.03 0.00	49.60 0.04 0.00	50.19 -0.03 0.00	51.68 0.09 0.00	55.23 0.40 0.00	113.23 1.17 0.00	64.45 0.71 0.00	58.72 0.84 0.00	59.06 0.87 0.00	64.50 0.91 0.00	53.65 0.82 0.00	54.53 0.78 0.00	42.74 0.79 0.00
SELKIRK___II 23799	54.49 -0.21 0.00	56.42 -0.14 0.00	48.63 0.05 0.00	56.12 -0.01 0.00	54.09 0.09 0.00	53.08 0.01 0.00	53.62 0.06 0.00	54.27 0.25 0.00	36.69 0.22 0.00	42.89 0.01 0.00	44.28 -0.09 0.00	43.24 -0.17 0.00	49.41 -0.15 0.00	50.01 -0.20 0.00	51.51 -0.08 0.00	54.98 0.15 0.00	112.63 0.57 0.00	64.16 0.42 0.00	58.46 0.58 0.00	58.78 0.59 0.00	64.21 0.62 0.00	53.40 0.57 0.00	54.28 0.53 0.00	42.56 0.60 0.00
SENECA OSWGO___HYD 24041	52.91 -1.79 0.00	54.60 -1.95 0.00	46.87 -1.71 0.00	54.13 -1.99 0.00	52.07 -1.94 0.00	51.25 -1.82 0.00	51.75 -1.81 0.00	52.14 -1.89 0.00	35.23 -1.24 0.00	41.41 -1.48 0.00	42.89 -1.48 0.00	41.94 -1.48 0.00	47.85 -1.70 0.00	48.58 -1.64 0.00	49.91 -1.67 0.00	53.06 -1.76 0.00	108.44 -3.62 0.00	61.66 -2.07 0.00	55.98 -1.90 0.00	56.23 -1.97 0.00	61.33 -2.26 0.00	50.91 -1.92 0.00	51.75 -1.99 0.00	40.46 -1.49 0.00
SENECA___115KV_TB3 355854	52.44 -2.26 0.00	53.99 -2.56 0.00	45.54 -3.04 0.00	52.87 -3.25 0.00	50.46 -3.55 0.00	49.70 -3.37 0.00	49.71 -3.85 0.00	48.93 -4.90 0.20	32.09 -3.26 1.12	39.72 -3.16 0.00	41.16 -3.21 0.00	40.60 -2.82 0.00	46.09 -3.46 0.00	47.07 -3.15 0.00	47.33 -3.71 0.55	44.05 -4.51 6.28	65.74 -10.20 36.12	25.83 -6.07 31.84	32.93 -6.01 18.95	21.19 -5.84 31.16	30.57 -6.64 26.38	23.93 -5.64 23.26	29.30 -5.33 19.12	11.70 -4.04 26.22
SENECA___ENERGY 23797	53.84 -0.86 0.00	55.51 -1.05 0.00	47.45 -1.13 0.00	54.91 -1.21 0.00	52.69 -1.32 0.00	51.93 -1.14 0.00	52.33 -1.23 0.00	52.61 -1.45 -0.04	35.71 -1.01 -0.24	41.88 -1.01 0.00	43.36 -1.01 0.00	42.49 -0.93 0.00	48.48 -1.08 0.00	49.38 -0.84 0.00	50.81 -0.90 -0.12	55.06 -1.13 -1.36	117.26 -2.49 -7.69	68.14 -1.49 -5.89	59.28 -1.49 -2.88	62.44 -1.60 -5.84	66.04 -1.86 -4.31	54.78 -1.65 -3.60	54.91 -1.75 -2.91	44.69 -1.26 -3.99
SHOEMAKER___GT 23640	55.74 1.04 0.00	57.58 1.03 0.00	49.63 1.05 0.00	57.34 1.22 0.00	55.19 1.18 0.00	54.31 1.23 0.00	54.88 1.33 0.00	55.52 1.50 0.00	37.55 1.07 0.00	44.15 1.27 0.00	45.63 1.27 0.00	44.58 1.17 0.00	50.88 1.33 0.00	51.53 1.32 0.00	52.74 1.15 0.00	56.18 1.35 0.00	115.27 3.21 0.00	65.83 2.09 0.00	59.76 1.88 0.00	60.06 1.86 0.00	65.64 2.05 0.00	54.54 1.71 0.00	55.53 1.78 0.00	43.45 1.49 0.00
SHOEMAKR_138KV_BK 111 55601	55.71 1.01 0.00	57.55 1.00 0.00	49.60 1.02 0.00	57.31 1.18 0.00	55.15 1.14 0.00	54.27 1.19 0.00	54.86 1.30 0.00	55.48 1.46 0.00	37.54 1.06 0.00	44.14 1.25 0.00	45.64 1.27 0.00	44.59 1.17 0.00	50.86 1.31 0.00	51.54 1.32 0.00	52.76 1.17 0.00	56.16 1.33 0.00	115.17 3.11 0.00	65.80 2.06 0.00	59.73 1.85 0.00	60.00 1.81 0.00	65.59 2.00 0.00	54.52 1.70 0.00	55.51 1.76 0.00	43.44 1.48 0.00
SHOREHAM_IC_1 23715	55.49 1.42 0.62	57.54 0.98 -0.01	49.89 1.32 0.00	57.52 1.40 0.00	55.49 1.48 0.00	54.77 1.69 0.00	61.60 1.24 -6.79	62.43 1.49 -6.92	40.85 1.40 -2.97	48.00 1.97 -3.15	46.46 2.09 0.00	45.06 1.64 0.00	53.50 1.16 -2.78	56.13 1.59 -4.31	57.32 1.39 -4.34	56.47 1.55 -0.09	131.01 4.49 -14.46	75.20 3.16 -8.30	66.03 3.03 -5.12	65.62 2.82 -4.61	68.12 2.38 -2.14	59.34 2.06 -4.45	60.77 2.67 -4.35	43.90 1.95 0.00
SHOREHAM_IC_2 23716	55.53 1.46 0.62	57.55 0.99 -0.01	49.89 1.32 0.00	57.52 1.40 0.00	55.48 1.47 0.00	54.76 1.69 0.00	61.60 1.25 -6.79	62.44 1.49 -6.92	40.86 1.41 -2.97	48.00 1.97 -3.15	46.46 2.09 0.00	45.06 1.64 0.00	53.50 1.16 -2.78	56.13 1.60 -4.31	57.31 1.38 -4.34	56.47 1.55 -0.09	131.00 4.47 -14.46	75.20 3.16 -8.30	66.04 3.03 -5.12	65.61 2.81 -4.61	68.11 2.38 -2.14	59.34 2.06 -4.45	60.76 2.66 -4.35	43.90 1.95 0.00
SISSONVILLE____ 23735	57.05 2.35 0.00	58.94 2.38 0.00	50.46 1.89 0.00	58.30 2.18 0.00	56.09 2.08 0.00	55.13 2.05 0.00	55.61 2.05 0.00	56.00 1.98 0.00	37.70 1.22 0.00	44.44 1.55 0.00	46.04 1.67 0.00	45.12 1.70 0.00	51.62 2.07 0.00	52.25 2.04 0.00	53.62 2.03 0.00	56.45 1.62 0.00	114.42 2.35 0.00	64.88 1.14 0.00	58.64 0.75 0.00	59.14 0.95 0.00	65.22 1.63 0.00	54.34 1.52 0.00	55.36 1.61 0.00	42.94 0.98 0.00
SITHE_IND_GS1 24169	52.73 -1.96 0.00	54.41 -2.15 0.00	46.70 -1.88 0.00	53.95 -2.18 0.00	51.89 -2.12 0.00	51.05 -2.03 0.00	51.51 -2.05 0.00	51.80 -2.14 0.08	34.58 -1.42 0.48	41.23 -1.66 0.00	42.67 -1.70 0.00	41.77 -1.65 0.00	47.66 -1.90 0.00	48.37 -1.85 0.00	49.44 -1.91 0.23	50.09 -2.06 2.67	95.25 -4.31 12.50	61.26 -2.48 0.00	55.63 -2.26 0.00	55.87 -2.32 0.00	60.98 -2.61 0.00	50.66 -2.17 0.00	51.52 -2.23 0.00	40.31 -1.65 0.00
SITHE_IND_GS2 24170	52.73 -1.96 0.00	54.41 -2.15 0.00	46.70 -1.88 0.00	53.95 -2.18 0.00	51.89 -2.12 0.00	51.05 -2.03 0.00	51.51 -2.05 0.00	51.80 -2.14 0.08	34.58 -1.42 0.48	41.23 -1.66 0.00	42.67 -1.70 0.00	41.77 -1.65 0.00	47.66 -1.90 0.00	48.37 -1.85 0.00	49.44 -1.91 0.23	50.09 -2.06 2.67	95.25 -4.31 12.50	61.26 -2.48 0.00	55.63 -2.26 0.00	55.87 -2.32 0.00	60.98 -2.61 0.00	50.66 -2.17 0.00	51.52 -2.23 0.00	40.31 -1.65 0.00
SITHE_IND_GS3 24171	52.73 -1.96 0.00	54.41 -2.15 0.00	46.70 -1.88 0.00	53.95 -2.18 0.00	51.89 -2.12 0.00	51.05 -2.03 0.00	51.51 -2.05 0.00	51.88 -2.14 0.00	35.06 -1.42 0.00	41.23 -1.66 0.00	42.67 -1.70 0.00	41.77 -1.65 0.00	47.66 -1.90 0.00	48.37 -1.85 0.00	49.67 -1.91 0.00	52.76 -2.06 0.00	107.75 -4.31 0.00	61.26 -2.48 0.00	55.63 -2.26 0.00	55.87 -2.32 0.00	60.98 -2.61 0.00	50.66 -2.17 0.00	51.52 -2.23 0.00	40.31 -1.65 0.00
SITHE_IND_GS4 24172	52.73 -1.96 0.00	54.41 -2.15 0.00	46.70 -1.88 0.00	53.95 -2.18 0.00	51.89 -2.12 0.00	51.05 -2.03 0.00	51.51 -2.05 0.00	51.88 -2.14 0.00	35.06 -1.42 0.00	41.23 -1.66 0.00	42.67 -1.70 0.00	41.77 -1.65 0.00	47.66 -1.90 0.00	48.37 -1.85 0.00	49.67 -1.91 0.00	52.76 -2.06 0.00	107.75 -4.31 0.00	61.26 -2.48 0.00	55.63 -2.26 0.00	55.87 -2.32 0.00	60.98 -2.61 0.00	50.66 -2.17 0.00	51.52 -2.23 0.00	40.31 -1.65 0.00



SITHE____BATAVIA 24024	53.69 -1.01 0.00	55.13 -1.43 0.00	46.64 -1.94 0.00	54.08 -2.05 0.00	51.75 -2.26 0.00	51.02 -2.06 0.00	51.14 -2.42 0.00	50.53 -3.35 0.14	33.34 -2.35 0.78	40.83 -2.06 0.00	42.35 -2.02 0.00	41.74 -1.67 0.00	47.44 -2.11 0.00	48.56 -1.66 0.00	49.00 -2.21 0.38	47.77 -2.68 4.38	80.84 -6.11 25.11	38.06 -3.57 22.11	40.63 -3.82 13.44	33.01 -3.73 21.46	40.59 -4.47 18.53	32.48 -3.90 16.45	36.54 -3.65 13.55	20.63 -2.73 18.59
SITHE____INDEPEND 23800	52.73 -1.97 0.00	54.41 -2.15 0.00	46.71 -1.87 0.00	53.95 -2.18 0.00	51.89 -2.12 0.00	51.05 -2.03 0.00	51.51 -2.05 0.00	51.80 -2.14 0.08	34.58 -1.42 0.48	41.23 -1.65 0.00	42.67 -1.70 0.00	41.77 -1.65 0.00	47.66 -1.90 0.00	48.37 -1.85 0.00	49.44 -1.92 0.23	50.09 -2.07 2.67	95.28 -4.29 12.48	61.27 -2.47 0.00	55.61 -2.27 0.00	55.87 -2.32 0.00	60.99 -2.60 0.00	50.65 -2.18 0.00	51.52 -2.23 0.00	40.31 -1.65 0.00
SITHE____MASSENA 23902	56.75 2.05 0.00	58.65 2.09 0.00	50.24 1.66 0.00	58.06 1.93 0.00	55.86 1.85 0.00	54.86 1.79 0.00	55.35 1.79 0.00	55.72 1.70 0.00	37.56 1.09 0.00	44.30 1.41 0.00	45.90 1.53 0.00	44.99 1.57 0.00	51.41 1.85 0.00	52.05 1.84 0.00	53.44 1.85 0.00	56.53 1.70 0.00	115.19 3.13 0.00	65.54 1.80 0.00	59.28 1.39 0.00	59.66 1.46 0.00	65.43 1.84 0.00	54.34 1.51 0.00	55.30 1.55 0.00	43.00 1.04 0.00
SITHE____OGDNSBRG 24021	57.87 3.17 0.00	59.77 3.21 0.00	51.17 2.59 0.00	59.13 3.01 0.00	56.89 2.89 0.00	55.92 2.85 0.00	56.47 2.91 0.00	56.85 2.83 0.00	38.14 1.67 0.00	44.88 2.00 0.00	46.53 2.16 0.00	45.55 2.13 0.00	52.20 2.65 0.00	52.87 2.65 0.00	54.39 2.80 0.00	57.49 2.66 0.00	117.07 5.01 0.00	66.57 2.83 0.00	60.13 2.25 0.00	60.58 2.39 0.00	66.55 2.96 0.00	55.31 2.48 0.00	56.33 2.58 0.00	43.69 1.73 0.00
SITHE____STERLING 23777	55.69 0.99 0.00	57.62 1.07 0.00	49.49 0.91 0.00	57.20 1.08 0.00	55.05 1.05 0.00	54.17 1.10 0.00	54.77 1.21 0.00	55.21 1.19 0.00	37.24 0.76 0.00	43.73 0.84 0.00	45.21 0.84 0.00	44.33 0.91 0.00	50.44 0.89 0.00	51.07 0.85 0.00	52.59 1.00 0.00	55.94 1.12 0.00	114.60 2.53 0.00	65.05 1.31 0.00	59.00 1.11 0.00	59.21 1.02 0.00	64.61 1.02 0.00	53.57 0.74 0.00	54.45 0.71 0.00	42.41 0.45 0.00
SLEIGHT__34_KV_TB1 80719	53.28 -1.42 0.00	54.86 -1.70 0.00	46.80 -1.78 0.00	54.16 -1.96 0.00	51.95 -2.06 0.00	51.23 -1.85 0.00	51.58 -1.98 0.00	51.69 -2.33 0.00	34.88 -1.60 0.00	41.35 -1.53 0.00	42.84 -1.53 0.00	42.01 -1.41 0.00	47.91 -1.65 0.00	48.85 -1.37 0.00	50.05 -1.53 0.00	52.96 -1.87 0.00	107.94 -4.12 0.00	59.36 -2.44 1.95	52.03 -2.50 3.35	54.42 -2.57 1.20	57.07 -3.03 3.49	46.35 -2.62 3.85	47.70 -2.68 3.37	35.31 -2.02 4.63
SMITHTWN_69_KV_BK 1 55830	55.23 1.48 0.95	57.57 1.02 0.00	49.90 1.32 0.00	57.54 1.41 0.00	55.42 1.42 0.00	54.60 1.53 0.00	57.82 1.06 -3.20	58.60 1.31 -3.26	39.15 1.28 -1.40	46.22 1.85 -1.48	46.45 2.08 0.00	45.06 1.64 0.00	52.04 1.18 -1.31	53.84 1.59 -2.03	54.92 1.29 -2.04	56.25 1.38 -0.04	122.75 3.88 -6.81	71.29 2.77 -4.78	62.93 2.64 -2.41	62.85 2.49 -2.17	66.90 2.30 -1.01	56.94 2.01 -2.09	58.24 2.44 -2.05	43.83 1.87 0.00
SOUTH CAIRO____GT 23612	56.20 1.50 0.00	58.21 1.65 0.00	50.12 1.54 0.00	57.83 1.71 0.00	55.80 1.79 0.00	54.82 1.74 0.00	55.47 1.91 0.00	56.23 2.21 0.00	37.75 1.28 0.00	43.65 0.76 0.00	44.83 0.46 0.00	43.97 0.55 0.00	50.72 1.16 0.00	51.28 1.06 0.00	52.57 0.99 0.00	56.65 1.82 0.00	117.02 4.96 0.00	66.79 3.05 0.00	60.87 2.98 0.00	61.09 2.89 0.00	66.58 2.99 0.00	55.29 2.46 0.00	56.03 2.28 0.00	43.81 1.85 0.00
SOUTH HAMPTN____IC 23720	55.35 1.25 0.60	57.42 0.86 -0.01	49.87 1.29 0.00	57.56 1.44 0.00	55.62 1.62 0.00	55.12 2.05 0.00	62.42 1.68 -7.18	63.34 2.00 -7.32	41.38 1.76 -3.15	48.69 2.48 -3.33	46.99 2.62 0.00	45.53 2.12 0.00	54.11 1.62 -2.94	56.77 1.99 -4.56	58.05 1.87 -4.59	57.00 2.08 -0.10	133.14 5.78 -15.29	76.35 3.93 -8.68	67.15 3.85 -5.41	66.55 3.48 -4.87	68.36 2.51 -2.27	59.66 2.13 -4.71	61.41 3.06 -4.60	43.96 2.00 0.00
SOUTHDOW_115KV_TB1 355954	53.59 -1.11 0.00	55.44 -1.12 0.00	46.69 -1.89 0.00	54.24 -1.89 0.00	51.72 -2.29 0.00	50.82 -2.25 0.00	50.67 -2.89 0.00	50.01 -3.77 0.24	32.31 -2.81 1.35	40.18 -2.70 0.00	41.63 -2.73 0.00	41.21 -2.21 0.00	46.86 -2.69 0.00	47.79 -2.43 0.00	47.31 -3.62 0.66	43.39 -4.10 7.34	60.07 -9.85 42.14	21.30 -5.72 36.72	30.58 -5.52 21.79	16.84 -5.53 35.83	26.88 -6.37 30.33	20.77 -5.31 26.75	26.69 -5.07 21.98	7.79 -4.02 30.15
SOUTHOLD_69_KV_BK 2 55809	54.79 0.70 0.60	56.88 0.32 -0.01	49.50 0.93 0.00	57.21 1.09 0.00	55.40 1.39 0.00	55.19 2.12 0.00	62.55 1.82 -7.17	63.57 2.23 -7.31	41.58 1.96 -3.14	49.07 2.86 -3.32	47.37 3.00 0.00	45.87 2.45 0.00	54.37 1.88 -2.93	56.93 2.15 -4.56	58.27 2.09 -4.59	57.26 2.34 -0.10	133.89 6.55 -15.28	76.86 4.44 -8.68	67.74 4.45 -5.41	66.95 3.89 -4.87	68.05 2.20 -2.26	59.37 1.84 -4.70	61.55 3.21 -4.60	43.79 1.84 0.00
SOUTHOLD____IC 23719	54.75 0.66 0.60	56.87 0.31 -0.01	49.50 0.92 0.00	57.21 1.08 0.00	55.40 1.39 0.00	55.19 2.12 0.00	62.55 1.82 -7.17	63.56 2.23 -7.31	41.58 1.97 -3.14	49.07 2.86 -3.32	47.37 3.00 0.00	45.87 2.45 0.00	54.37 1.88 -2.93	56.93 2.15 -4.56	58.27 2.09 -4.59	57.26 2.34 -0.10	133.92 6.58 -15.28	76.86 4.44 -8.68	67.73 4.44 -5.41	66.95 3.89 -4.87	68.05 2.19 -2.26	59.37 1.84 -4.70	61.56 3.22 -4.60	43.79 1.84 0.00
SOUTH_FORK_WT_PWR 323839	53.87 -0.23 0.60	56.02 -0.54 -0.01	48.87 0.29 0.00	56.54 0.41 0.00	54.84 0.83 0.00	54.86 1.78 0.00	62.26 1.52 -7.18	63.34 2.00 -7.32	41.47 1.85 -3.14	49.07 2.86 -3.33	47.38 3.01 0.00	45.85 2.44 0.00	54.28 1.79 -2.94	56.73 1.95 -4.56	58.10 1.92 -4.59	57.03 2.10 -0.10	133.61 6.26 -15.29	76.68 4.26 -8.68	67.73 4.43 -5.41	66.80 3.73 -4.87	67.25 1.40 -2.27	58.71 1.18 -4.71	61.28 2.93 -4.60	43.35 1.39 0.00
SPIERFLS_115KV_TB 1 80737	57.10 2.41 0.00	59.21 2.66 0.00	51.01 2.44 0.00	58.91 2.79 0.00	56.86 2.85 0.00	55.83 2.76 0.00	56.68 3.12 0.00	57.47 3.45 0.00	38.55 2.08 0.00	44.55 1.66 0.00	45.85 1.48 0.00	45.03 1.61 0.00	51.73 2.17 0.00	52.27 2.05 0.00	54.19 2.60 0.00	58.20 3.37 0.00	119.39 7.33 0.00	67.83 4.09 0.00	61.85 3.96 0.00	62.10 3.91 0.00	67.69 4.10 0.00	56.21 3.38 0.00	57.11 3.36 0.00	44.55 2.59 0.00
ST LAWRENCE____ 23600	55.80 1.11 0.00	57.66 1.11 0.00	49.42 0.84 0.00	57.10 0.98 0.00	54.94 0.93 0.00	53.98 0.90 0.00	54.46 0.90 0.00	54.85 0.83 0.00	37.01 0.53 0.00	43.62 0.73 0.00	45.18 0.81 0.00	44.28 0.86 0.00	50.57 1.02 0.00	51.22 1.00 0.00	52.57 0.98 0.00	55.69 0.87 0.00	113.61 1.55 0.00	64.62 0.88 0.00	58.51 0.63 0.00	58.85 0.65 0.00	64.48 0.89 0.00	53.51 0.68 0.00	54.45 0.70 0.00	42.37 0.42 0.00



STATE_CA_115KV_115_LB 55624	54.33 -0.36 0.00	56.24 -0.32 0.00	48.50 -0.08 0.00	55.95 -0.18 0.00	53.97 -0.04 0.00	52.95 -0.13 0.00	53.55 -0.01 0.00	54.22 0.20 0.00	36.70 0.23 0.00	42.81 -0.07 0.00	44.17 -0.20 0.00	43.16 -0.26 0.00	49.30 -0.25 0.00	49.89 -0.33 0.00	51.47 -0.12 0.00	55.02 0.20 0.00	112.77 0.71 0.00	64.26 0.53 0.00	58.57 0.68 0.00	58.89 0.69 0.00	64.30 0.71 0.00	53.47 0.64 0.00	54.32 0.57 0.00	42.64 0.69 0.00
STATE_ST_34_KV_LOAD 55959	54.41 -0.29 0.00	56.20 -0.36 0.00	48.02 -0.56 0.00	55.66 -0.47 0.00	53.33 -0.67 0.00	52.66 -0.41 0.00	53.00 -0.56 0.00	53.43 -0.69 -0.09	36.46 -0.53 -0.52	42.42 -0.46 0.00	43.90 -0.47 0.00	42.97 -0.45 0.00	49.00 -0.55 0.00	49.87 -0.35 0.00	51.52 -0.33 -0.25	57.16 -0.56 -2.89	127.26 -1.14 -16.34	75.96 -0.71 -12.93	64.13 -0.69 -6.93	70.03 -0.78 -12.62	72.74 -0.83 -9.98	60.66 -0.75 -8.58	59.79 -0.95 -7.00	50.98 -0.57 -9.60
STATION_5_MISC_HYD 23604	53.42 -1.28 0.00	54.91 -1.65 0.00	46.71 -1.87 0.00	54.09 -2.04 0.00	51.83 -2.18 0.00	51.09 -1.99 0.00	51.33 -2.23 0.00	51.14 -2.79 0.10	34.05 -1.88 0.54	41.20 -1.68 0.00	42.72 -1.65 0.00	42.00 -1.42 0.00	47.86 -1.69 0.00	48.82 -1.40 0.00	49.59 -1.74 0.27	49.63 -2.14 3.05	89.83 -5.01 17.22	45.85 -3.03 14.86	45.23 -3.15 9.51	41.00 -3.19 14.01	47.07 -3.73 12.80	38.02 -3.24 11.58	41.02 -3.13 9.59	26.45 -2.35 13.16
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	53.54 -1.15 0.00	55.12 -1.44 0.00	47.04 -1.53 0.00	54.43 -1.69 0.00	52.24 -1.77 0.00	51.46 -1.61 0.00	51.83 -1.73 0.00	51.90 -2.08 0.05	34.81 -1.41 0.25	41.56 -1.33 0.00	43.03 -1.34 0.00	42.21 -1.20 0.00	48.13 -1.43 0.00	49.04 -1.18 0.00	50.11 -1.35 0.12	51.77 -1.63 1.43	100.36 -3.67 8.03	54.47 -2.18 7.08	50.83 -2.27 4.78	49.29 -2.34 6.57	54.51 -2.78 6.31	44.62 -2.42 5.79	46.49 -2.44 4.82	33.51 -1.83 6.62
STA_56_34_KV_BUS2_REV_LBMP_B 345033	53.03 -1.67 0.00	54.53 -2.03 0.00	46.42 -2.16 0.00	53.74 -2.39 0.00	51.52 -2.49 0.00	50.78 -2.30 0.00	51.03 -2.54 0.00	50.89 -3.05 0.08	33.95 -2.05 0.48	40.95 -1.94 0.00	42.45 -1.92 0.00	41.71 -1.71 0.00	47.55 -2.01 0.00	48.47 -1.75 0.00	49.30 -2.05 0.24	49.66 -2.47 2.69	91.26 -5.63 15.17	47.32 -3.31 13.11	46.04 -3.41 8.44	42.41 -3.45 12.33	48.22 -4.04 11.33	39.11 -3.45 10.27	41.86 -3.37 8.52	27.73 -2.54 11.68
STA_56___34_KV_BUS2 355983	53.03 -1.67 0.00	54.53 -2.03 0.00	46.42 -2.16 0.00	53.74 -2.39 0.00	51.52 -2.49 0.00	50.78 -2.30 0.00	51.03 -2.54 0.00	50.89 -3.05 0.08	33.95 -2.05 0.48	40.95 -1.94 0.00	42.45 -1.92 0.00	41.71 -1.71 0.00	47.55 -2.01 0.00	48.47 -1.75 0.00	49.30 -2.05 0.24	49.66 -2.47 2.69	91.26 -5.63 15.17	47.32 -3.31 13.11	46.04 -3.41 8.44	42.41 -3.45 12.33	48.22 -4.04 11.33	39.11 -3.45 10.27	41.86 -3.37 8.52	27.73 -2.54 11.68
STA_67___115KV_BK2 355882	53.33 -1.36 0.00	54.82 -1.74 0.00	46.63 -1.95 0.00	53.99 -2.13 0.00	51.74 -2.27 0.00	50.99 -2.08 0.00	51.24 -2.33 0.00	51.04 -2.89 0.10	33.99 -1.94 0.54	41.12 -1.76 0.00	42.64 -1.73 0.00	41.91 -1.51 0.00	47.77 -1.78 0.00	48.71 -1.51 0.00	49.48 -1.84 0.27	49.51 -2.27 3.05	89.61 -5.23 17.21	45.78 -3.11 14.85	45.14 -3.24 9.50	40.91 -3.29 14.00	46.95 -3.85 12.79	37.95 -3.31 11.57	40.94 -3.22 9.59	26.39 -2.41 13.15
STA_7___115KV_9TRANS 80674	53.63 -1.07 0.00	55.12 -1.43 0.00	46.88 -1.70 0.00	54.28 -1.85 0.00	52.03 -1.98 0.00	51.27 -1.80 0.00	51.54 -2.02 0.00	51.36 -2.57 0.10	34.21 -1.72 0.54	41.41 -1.48 0.00	42.91 -1.45 0.00	42.19 -1.22 0.00	48.10 -1.46 0.00	49.06 -1.16 0.00	49.84 -1.48 0.27	49.90 -1.88 3.05	90.46 -4.40 17.20	46.28 -2.62 14.84	45.58 -2.81 9.50	41.35 -2.86 13.99	47.41 -3.40 12.78	38.32 -2.95 11.56	41.28 -2.89 9.58	26.65 -2.17 13.14
STA_82___115KV_TB1 80780	53.28 -1.41 0.00	54.78 -1.77 0.00	46.60 -1.98 0.00	53.95 -2.18 0.00	51.71 -2.30 0.00	50.96 -2.12 0.00	51.20 -2.36 0.00	50.99 -2.93 0.10	33.97 -1.96 0.55	41.08 -1.80 0.00	42.59 -1.78 0.00	41.88 -1.54 0.00	47.72 -1.83 0.00	48.67 -1.55 0.00	49.43 -1.89 0.27	49.44 -2.32 3.07	89.40 -5.34 17.32	45.63 -3.15 14.96	45.03 -3.29 9.56	40.76 -3.33 14.11	46.81 -3.91 12.87	37.83 -3.36 11.64	40.84 -3.26 9.64	26.28 -2.45 13.23
STEEL___WIND 323596	52.38 -2.31 0.00	53.93 -2.62 0.00	45.49 -3.08 0.00	52.81 -3.31 0.00	50.41 -3.60 0.00	49.65 -3.43 0.00	49.63 -3.93 0.00	48.89 -4.94 0.20	32.07 -3.28 1.12	39.71 -3.18 0.00	41.10 -3.27 0.00	40.56 -2.86 0.00	46.04 -3.51 0.00	47.02 -3.20 0.00	47.28 -3.76 0.55	43.97 -4.58 6.28	65.65 -10.29 36.12	25.79 -6.12 31.84	32.82 -6.11 18.95	21.09 -5.95 31.16	30.43 -6.78 26.38	23.84 -5.73 23.26	29.20 -5.43 19.12	11.65 -4.08 26.22
STEPHTWN_115KV_BK_2 55603	54.77 0.07 0.00	56.75 0.19 0.00	48.83 0.25 0.00	56.32 0.20 0.00	54.36 0.36 0.00	53.38 0.31 0.00	54.07 0.50 0.00	54.68 0.66 0.00	37.00 0.53 0.00	43.15 0.26 0.00	44.52 0.15 0.00	43.53 0.11 0.00	49.78 0.23 0.00	50.33 0.11 0.00	51.85 0.26 0.00	55.44 0.61 0.00	113.75 1.68 0.00	64.81 1.07 0.00	59.10 1.22 0.00	59.40 1.20 0.00	64.87 1.28 0.00	53.89 1.06 0.00	54.80 1.05 0.00	42.96 1.00 0.00
STEBEN_REC_LFGE 323667	53.34 -1.35 0.00	55.29 -1.27 0.00	46.79 -1.79 0.00	54.40 -1.73 0.00	51.88 -2.13 0.00	51.09 -1.98 0.00	51.19 -2.37 0.00	49.84 -3.53 0.66	30.07 -2.67 3.74	39.95 -2.93 0.00	41.35 -3.01 0.00	40.73 -2.69 0.00	45.88 -3.67 0.00	46.69 -3.53 0.00	45.63 -4.13 1.83	28.72 -5.22 20.88	-15.30 -9.03 118.33	-42.47 -5.09 101.13	-10.11 -6.06 61.93	-44.00 -5.46 96.74	-27.55 -6.31 84.83	-28.28 -5.38 75.73	-14.74 -5.99 62.50	-47.96 -4.18 85.74
STILLWATER___SOLAR 323814	56.23 1.53 0.00	58.28 1.73 0.00	50.17 1.60 0.00	57.93 1.81 0.00	55.88 1.87 0.00	54.84 1.77 0.00	55.54 1.98 0.00	56.24 2.22 0.00	37.79 1.31 0.00	43.94 1.05 0.00	45.24 0.87 0.00	44.35 0.93 0.00	50.85 1.29 0.00	51.42 1.20 0.00	53.21 1.62 0.00	57.04 2.22 0.00	117.06 5.00 0.00	66.59 2.85 0.00	60.73 2.85 0.00	61.00 2.80 0.00	66.56 2.98 0.00	55.29 2.46 0.00	56.18 2.44 0.00	43.92 1.96 0.00
STONY___BROOK 24151	55.30 1.36 0.75	57.48 0.92 0.00	49.82 1.24 0.00	57.44 1.31 0.00	55.34 1.33 0.00	54.51 1.43 0.00	59.69 0.95 -5.19	60.48 1.17 -5.29	39.96 1.21 -2.27	47.08 1.79 -2.40	46.36 2.00 0.00	44.99 1.57 0.00	52.76 1.09 -2.12	55.03 1.52 -3.30	56.08 1.17 -3.32	56.12 1.22 -0.07	126.72 3.62 -11.05	73.08 2.61 -6.73	64.30 2.50 -3.91	64.06 2.35 -3.52	67.34 2.11 -1.64	58.10 1.87 -3.40	59.42 2.35 -3.32	43.76 1.80 0.00
STURGEON_POOL_HYD 23609	55.89 1.20 0.00	57.74 1.18 0.00	49.80 1.23 0.00	57.53 1.40 0.00	55.37 1.37 0.00	54.47 1.40 0.00	55.07 1.51 0.00	55.74 1.72 0.00	37.74 1.26 0.00	44.40 1.51 0.00	46.03 1.66 0.00	44.89 1.48 0.00	51.24 1.69 0.00	51.94 1.72 0.00	53.09 1.50 0.00	56.48 1.65 0.00	115.74 3.68 0.00	66.14 2.41 0.00	60.08 2.20 0.00	60.35 2.16 0.00	65.99 2.40 0.00	54.84 2.01 0.00	55.81 2.07 0.00	43.66 1.71 0.00



ST_LAW_115_BK7_LBMP 345037	55.91 1.21 0.00	57.76 1.21 0.00	49.50 0.92 0.00	57.19 1.06 0.00	55.03 1.02 0.00	54.06 0.99 0.00	54.54 0.99 0.00	54.93 0.90 0.00	37.05 0.58 0.00	43.69 0.80 0.00	45.25 0.88 0.00	44.36 0.94 0.00	50.67 1.11 0.00	51.29 1.07 0.00	52.66 1.08 0.00	55.77 0.94 0.00	113.71 1.65 0.00	64.68 0.94 0.00	58.57 0.68 0.00	58.92 0.73 0.00	64.56 0.98 0.00	53.60 0.77 0.00	54.54 0.79 0.00	42.42 0.46 0.00
ST_LAW_115_BK8_LBMP 345038	55.91 1.21 0.00	57.76 1.21 0.00	49.50 0.92 0.00	57.19 1.06 0.00	55.03 1.02 0.00	54.06 0.99 0.00	54.54 0.99 0.00	54.93 0.90 0.00	37.05 0.58 0.00	43.69 0.80 0.00	45.25 0.88 0.00	44.36 0.94 0.00	50.67 1.11 0.00	51.29 1.07 0.00	52.66 1.08 0.00	55.77 0.94 0.00	113.71 1.65 0.00	64.68 0.94 0.00	58.57 0.68 0.00	58.92 0.73 0.00	64.56 0.98 0.00	53.60 0.77 0.00	54.54 0.79 0.00	42.42 0.46 0.00
ST_LAW_230_BK5_LBMP 345035	55.80 1.11 0.00	57.66 1.11 0.00	49.42 0.84 0.00	57.10 0.98 0.00	54.94 0.93 0.00	53.98 0.90 0.00	54.46 0.90 0.00	54.85 0.83 0.00	37.01 0.53 0.00	43.62 0.73 0.00	45.18 0.81 0.00	44.28 0.86 0.00	50.57 1.02 0.00	51.22 1.00 0.00	52.57 0.98 0.00	55.69 0.87 0.00	113.61 1.55 0.00	64.62 0.88 0.00	58.51 0.63 0.00	58.85 0.65 0.00	64.48 0.89 0.00	53.51 0.68 0.00	54.45 0.70 0.00	42.37 0.42 0.00
ST_LAW_230_BK6_LBMP 345036	55.80 1.11 0.00	57.66 1.11 0.00	49.42 0.84 0.00	57.10 0.98 0.00	54.94 0.93 0.00	53.98 0.90 0.00	54.46 0.90 0.00	54.85 0.83 0.00	37.01 0.53 0.00	43.62 0.73 0.00	45.18 0.81 0.00	44.28 0.86 0.00	50.57 1.02 0.00	51.22 1.00 0.00	52.57 0.98 0.00	55.69 0.87 0.00	113.61 1.55 0.00	64.62 0.88 0.00	58.51 0.63 0.00	58.85 0.65 0.00	64.48 0.89 0.00	53.51 0.68 0.00	54.45 0.70 0.00	42.37 0.42 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	55.78 1.08 0.00	57.58 1.03 0.00	49.67 1.09 0.00	57.40 1.27 0.00	55.21 1.21 0.00	54.35 1.27 0.00	54.96 1.40 0.00	55.63 1.60 0.00	37.63 1.16 0.00	44.28 1.40 0.00	45.84 1.47 0.00	44.76 1.34 0.00	51.05 1.49 0.00	51.73 1.51 0.00	52.92 1.33 0.00	56.27 1.44 0.00	115.45 3.39 0.00	66.02 2.29 0.00	59.90 2.02 0.00	60.18 1.98 0.00	65.78 2.20 0.00	54.67 1.84 0.00	55.69 1.94 0.00	43.59 1.64 0.00
SWANROAD_115KV_TB1 355699	51.48 -3.22 0.00	52.83 -3.72 0.00	44.59 -3.99 0.00	51.72 -4.41 0.00	49.39 -4.61 0.00	48.67 -4.40 0.00	48.59 -4.97 0.00	47.66 -6.20 0.17	31.44 -4.10 0.94	38.74 -4.14 0.00	40.20 -4.17 0.00	39.64 -3.77 0.00	45.04 -4.51 0.00	46.04 -4.18 0.00	46.38 -4.75 0.46	44.14 -5.45 5.24	69.57 -12.30 30.20	30.06 -6.90 26.78	35.10 -6.86 15.92	25.24 -6.67 26.28	33.69 -7.71 22.19	26.83 -6.45 19.55	31.60 -6.09 16.06	15.38 -4.55 22.03
SYNERGY___BIOGAS 323694	53.69 -1.01 0.00	55.13 -1.43 0.00	46.64 -1.93 0.00	54.08 -2.05 0.00	51.76 -2.25 0.00	51.02 -2.05 0.00	51.14 -2.42 0.00	50.55 -3.34 0.14	33.35 -2.35 0.78	40.83 -2.06 0.00	42.34 -2.03 0.00	41.74 -1.67 0.00	47.45 -2.11 0.00	48.56 -1.66 0.00	49.00 -2.20 0.38	47.77 -2.68 4.38	80.88 -6.07 25.11	38.17 -3.46 22.11	40.70 -3.75 13.44	33.05 -3.69 21.46	40.59 -4.47 18.53	32.53 -3.84 16.45	36.55 -3.65 13.55	20.64 -2.73 18.59
SYRACUSE___ENERGY_ST1 323597	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
SYRACUSE___ENERGY_ST2 323598	53.96 -0.74 0.00	55.72 -0.83 0.00	47.79 -0.79 0.00	55.25 -0.87 0.00	53.12 -0.89 0.00	52.28 -0.80 0.00	52.77 -0.79 0.00	53.19 -0.87 -0.03	36.05 -0.61 -0.18	42.18 -0.71 0.00	43.66 -0.71 0.00	42.73 -0.69 0.00	48.73 -0.83 0.00	49.51 -0.71 0.00	50.99 -0.69 -0.09	55.09 -0.76 -1.02	116.28 -1.52 -5.74	65.98 -0.89 -3.13	57.05 -0.83 0.00	60.85 -0.92 -3.57	63.48 -1.08 -0.97	52.09 -0.95 -0.21	52.72 -1.03 0.00	41.21 -0.74 0.00
SYRACUSE___POWER 24017	53.98 -0.71 0.00	55.76 -0.79 0.00	47.84 -0.74 0.00	55.29 -0.83 0.00	53.17 -0.84 0.00	52.32 -0.75 0.00	52.83 -0.74 0.00	53.27 -0.81 -0.05	36.20 -0.55 -0.28	42.22 -0.66 0.00	43.72 -0.65 0.00	42.79 -0.63 0.00	48.78 -0.77 0.00	49.57 -0.65 0.00	51.09 -0.64 -0.14	55.71 -0.67 -1.55	119.51 -1.32 -8.77	69.94 -0.80 -7.00	60.99 -0.73 -3.84	64.18 -0.82 -6.80	68.04 -1.02 -5.48	56.67 -0.90 -4.74	56.67 -0.95 -3.87	46.55 -0.72 -5.31
TALLMAN__138KV_BK151 55660	55.81 1.11 0.00	57.59 1.04 0.00	49.70 1.12 0.00	57.44 1.32 0.00	55.25 1.24 0.00	54.40 1.33 0.00	55.03 1.47 0.00	55.72 1.70 0.00	37.72 1.25 0.00	44.40 1.51 0.00	45.99 1.62 0.00	44.91 1.49 0.00	51.18 1.62 0.00	51.87 1.65 0.00	53.04 1.45 0.00	56.34 1.51 0.00	115.66 3.60 0.00	66.19 2.46 0.00	60.01 2.13 0.00	60.28 2.09 0.00	65.92 2.33 0.00	54.79 1.96 0.00	55.86 2.11 0.00	43.74 1.78 0.00
TEALLAVE_115KV_TB7 355573	53.65 -1.05 0.00	55.41 -1.14 0.00	47.54 -1.04 0.00	54.93 -1.20 0.00	52.82 -1.19 0.00	51.99 -1.09 0.00	52.47 -1.10 0.00	52.85 -1.17 0.00	35.69 -0.79 0.00	42.00 -0.88 0.00	43.47 -0.90 0.00	42.55 -0.87 0.00	48.52 -1.03 0.00	49.28 -0.94 0.00	50.62 -0.97 0.00	53.78 -1.05 0.00	109.94 -2.12 0.00	62.50 -1.23 0.00	56.72 -1.17 0.00	56.96 -1.24 0.00	62.12 -1.47 0.00	51.56 -1.27 0.00	52.44 -1.31 0.00	40.98 -0.98 0.00
TELGRAPH_34_KV_EAST 80808	52.60 -2.09 0.00	53.99 -2.57 0.00	45.62 -2.96 0.00	52.91 -3.21 0.00	50.56 -3.44 0.00	49.83 -3.24 0.00	49.87 -3.69 0.00	49.15 -4.73 0.15	32.44 -3.18 0.85	39.87 -3.02 0.00	41.34 -3.03 0.00	40.75 -2.66 0.00	46.32 -3.24 0.00	47.32 -2.90 0.00	47.72 -3.45 0.42	46.00 -4.05 4.78	75.37 -9.21 27.49	34.23 -5.23 24.29	37.92 -5.35 14.62	29.29 -5.22 23.69	37.21 -6.12 20.26	29.75 -5.15 17.92	34.12 -4.88 14.75	18.08 -3.65 20.23
TEMPLE___115KV_TB 2 55572	53.66 -1.03 0.00	55.42 -1.14 0.00	47.55 -1.03 0.00	54.93 -1.19 0.00	52.84 -1.17 0.00	51.99 -1.09 0.00	52.48 -1.08 0.00	52.86 -1.16 0.00	35.69 -0.78 0.00	42.01 -0.88 0.00	43.48 -0.89 0.00	42.55 -0.86 0.00	48.53 -1.02 0.00	49.29 -0.92 0.00	50.63 -0.96 0.00	53.80 -1.03 0.00	109.97 -2.09 0.00	62.52 -1.22 0.00	56.75 -1.14 0.00	56.98 -1.21 0.00	62.14 -1.45 0.00	51.59 -1.24 0.00	52.45 -1.30 0.00	41.00 -0.96 0.00
TIANA____69_KV_BK 1 55817	55.52 1.42 0.60	57.54 0.98 -0.01	49.95 1.37 0.00	57.62 1.50 0.00	55.64 1.64 0.00	55.06 1.99 0.00	62.36 1.62 -7.17	63.25 1.91 -7.31	41.31 1.70 -3.14	48.57 2.36 -3.32	46.86 2.49 0.00	45.43 2.01 0.00	54.01 1.52 -2.93	56.70 1.92 -4.56	57.97 1.80 -4.59	56.90 1.98 -0.10	132.83 5.49 -15.28	76.20 3.79 -8.68	66.95 3.65 -5.41	66.41 3.34 -4.87	68.43 2.57 -2.26	59.71 2.18 -4.70	61.32 2.98 -4.60	44.00 2.04 0.00



TILDEN___115KV_TB1 80814	53.98 -0.71 0.00	55.76 -0.79 0.00	47.84 -0.74 0.00	55.29 -0.83 0.00	53.17 -0.84 0.00	52.32 -0.75 0.00	52.83 -0.74 0.00	53.27 -0.81 -0.05	36.20 -0.55 -0.28	42.22 -0.66 0.00	43.72 -0.65 0.00	42.79 -0.63 0.00	48.78 -0.77 0.00	49.57 -0.65 0.00	51.09 -0.64 -0.14	55.71 -0.67 -1.55	119.51 -1.32 -8.77	69.94 -0.80 -7.00	60.99 -0.73 -3.84	64.18 -0.82 -6.80	68.04 -1.02 -5.48	56.67 -0.90 -4.74	56.67 -0.95 -3.87	46.55 -0.72 -5.31
TRIGEN___CC 323695	62.59 1.55 -6.35	57.74 1.18 -0.01	49.95 1.37 0.00	57.62 1.50 0.00	55.46 1.45 0.00	54.60 1.51 -0.01	54.88 1.32 0.00	55.60 1.58 0.00	37.79 1.32 0.00	44.69 1.81 0.00	46.38 2.00 0.00	45.14 1.72 -0.01	51.15 1.59 0.00	52.08 1.87 0.00	53.04 1.45 0.00	56.39 1.56 0.00	115.73 3.67 0.00	69.22 2.56 -2.92	60.24 2.35 0.00	60.51 2.32 0.00	66.00 2.41 0.00	54.95 2.12 0.00	56.08 2.33 0.00	43.85 1.89 0.00
TRINITY___115KV___4 BK 55933	54.15 -0.55 0.00	56.06 -0.49 0.00	48.35 -0.23 0.00	55.77 -0.36 0.00	53.80 -0.21 0.00	52.76 -0.31 0.00	53.37 -0.19 0.00	54.04 0.01 0.00	36.58 0.10 0.00	42.67 -0.22 0.00	44.02 -0.35 0.00	42.96 -0.46 0.00	49.09 -0.46 0.00	49.67 -0.54 0.00	51.27 -0.32 0.00	54.81 -0.02 0.00	112.27 0.21 0.00	63.99 0.25 0.00	58.32 0.44 0.00	58.64 0.44 0.00	64.03 0.44 0.00	53.27 0.45 0.00	54.13 0.38 0.00	42.49 0.54 0.00
UNION___PROCESSING_DRP 323587	53.30 -1.39 0.00	54.79 -1.76 0.00	46.61 -1.97 0.00	53.96 -2.16 0.00	51.71 -2.30 0.00	50.98 -2.10 0.00	51.22 -2.34 0.00	51.01 -2.92 0.10	33.98 -1.95 0.55	41.10 -1.79 0.00	42.60 -1.77 0.00	41.88 -1.53 0.00	47.73 -1.83 0.00	48.68 -1.54 0.00	49.44 -1.88 0.27	49.47 -2.30 3.05	89.51 -5.30 17.25	45.69 -3.14 14.91	45.08 -3.28 9.52	40.80 -3.33 14.07	46.86 -3.91 12.83	37.88 -3.35 11.60	40.89 -3.26 9.61	26.34 -2.44 13.18
UPPER HUDSON___HYD 24058	57.10 2.40 0.00	59.21 2.66 0.00	51.01 2.44 0.00	58.91 2.79 0.00	56.86 2.85 0.00	55.83 2.75 0.00	56.68 3.12 0.00	57.47 3.45 0.00	38.55 2.08 0.00	44.55 1.66 0.00	45.84 1.47 0.00	45.03 1.61 0.00	51.73 2.17 0.00	52.27 2.05 0.00	54.19 2.60 0.00	58.18 3.35 0.00	119.41 7.34 0.00	67.81 4.07 0.00	61.84 3.96 0.00	62.10 3.90 0.00	67.69 4.10 0.00	56.21 3.38 0.00	57.12 3.37 0.00	44.55 2.60 0.00
UPPER RAQUET___HYD 24056	57.05 2.35 0.00	58.94 2.38 0.00	50.46 1.88 0.00	58.30 2.18 0.00	56.09 2.08 0.00	55.13 2.05 0.00	55.61 2.05 0.00	56.00 1.98 0.00	37.70 1.22 0.00	44.44 1.55 0.00	46.04 1.67 0.00	45.12 1.70 0.00	51.62 2.07 0.00	52.26 2.04 0.00	53.62 2.03 0.00	56.45 1.63 0.00	114.42 2.36 0.00	64.90 1.16 0.00	58.64 0.76 0.00	59.15 0.95 0.00	65.22 1.63 0.00	54.35 1.52 0.00	55.36 1.62 0.00	42.95 0.99 0.00
VALLEY44_115KV_TB2 355964	51.89 -2.81 0.00	53.63 -2.92 0.00	45.42 -3.16 0.00	52.91 -3.21 0.00	50.43 -3.58 0.00	49.66 -3.41 0.00	49.61 -3.95 0.00	49.05 -4.72 0.24	31.85 -3.24 1.39	39.67 -3.22 0.00	41.23 -3.14 0.00	40.81 -2.61 0.00	46.23 -3.33 0.00	47.15 -3.07 0.00	47.23 -3.68 0.68	42.61 -4.51 7.70	58.02 -9.93 44.11	19.64 -5.85 38.25	29.68 -5.56 22.65	15.68 -5.22 37.29	26.07 -5.98 31.54	20.06 -4.97 27.80	26.17 -4.74 22.84	6.95 -3.67 31.33
VALLEY___115KV_TB 1-4 80826	56.47 1.78 0.00	58.48 1.92 0.00	50.31 1.74 0.00	58.14 2.01 0.00	55.99 1.99 0.00	55.04 1.97 0.00	55.55 1.99 0.00	55.97 1.95 0.00	37.42 0.95 0.00	43.63 0.75 0.00	45.02 0.65 0.00	44.37 0.96 0.00	50.76 1.20 0.00	51.37 1.15 0.00	52.87 1.28 0.00	56.61 1.78 0.00	115.70 3.64 0.00	65.83 2.09 0.00	60.33 2.44 0.00	60.55 2.35 0.00	66.00 2.41 0.00	54.85 2.02 0.00	55.84 2.09 0.00	43.69 1.74 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	56.75 2.05 0.00	58.79 2.24 0.00	50.54 1.96 0.00	58.43 2.30 0.00	56.24 2.23 0.00	55.16 2.08 0.00	55.85 2.29 0.00	56.43 2.40 0.00	38.12 1.64 0.00	44.85 1.96 0.00	46.36 2.00 0.00	45.35 1.94 0.00	51.67 2.11 0.00	52.38 2.16 0.00	53.71 2.12 0.00	57.02 2.19 0.00	116.76 4.70 0.00	66.49 2.75 0.00	60.48 2.60 0.00	60.85 2.66 0.00	66.27 2.68 0.00	54.94 2.11 0.00	55.79 2.04 0.00	43.55 1.60 0.00
VISCHER___FERRY HYD 24020	55.09 0.39 0.00	57.07 0.51 0.00	49.17 0.59 0.00	56.72 0.60 0.00	54.74 0.73 0.00	53.69 0.61 0.00	54.33 0.77 0.00	55.04 1.02 0.00	37.11 0.63 0.00	43.22 0.34 0.00	44.52 0.15 0.00	43.43 0.01 0.00	49.75 0.19 0.00	50.35 0.13 0.00	52.07 0.48 0.00	55.80 0.97 0.00	114.55 2.48 0.00	65.21 1.47 0.00	59.53 1.65 0.00	59.83 1.63 0.00	65.32 1.73 0.00	54.30 1.47 0.00	55.19 1.44 0.00	43.23 1.27 0.00
V_A_10_SYNC_DSASP 323832	52.05 -2.64 0.00	53.47 -3.08 0.00	45.31 -3.27 0.00	52.54 -3.58 0.00	50.24 -3.77 0.00	49.50 -3.58 0.00	49.56 -4.00 0.00	49.04 -4.85 0.13	32.52 -3.23 0.73	39.74 -3.15 0.00	41.19 -3.18 0.00	40.58 -2.84 0.00	46.18 -3.38 0.00	47.15 -3.07 0.00	47.65 -3.58 0.36	46.48 -4.25 4.10	78.86 -9.68 23.51	37.32 -5.67 20.75	39.72 -5.67 12.49	32.32 -5.65 20.23	39.83 -6.46 17.30	32.11 -5.41 15.31	35.96 -5.19 12.60	20.80 -3.88 17.28
V_CMM_10_SYNC_DSASP 323787	56.20 1.50 0.00	58.08 1.53 0.00	49.76 1.19 0.00	57.50 1.38 0.00	55.33 1.32 0.00	54.35 1.27 0.00	54.83 1.27 0.00	55.20 1.18 0.00	37.24 0.76 0.00	43.91 1.03 0.00	45.48 1.11 0.00	44.59 1.18 0.00	50.93 1.38 0.00	51.57 1.36 0.00	52.95 1.36 0.00	56.07 1.25 0.00	114.11 2.05 0.00	64.81 1.07 0.00	58.86 0.98 0.00	59.26 1.06 0.00	64.90 1.32 0.00	53.87 1.04 0.00	54.82 1.07 0.00	42.64 0.68 0.00
V_CMP_10_SYNC_DSASP 323788	56.72 2.02 0.00	58.57 2.01 0.00	50.17 1.59 0.00	57.99 1.87 0.00	55.78 1.77 0.00	54.81 1.74 0.00	55.33 1.77 0.00	55.70 1.67 0.00	37.59 1.12 0.00	44.29 1.41 0.00	45.87 1.50 0.00	44.97 1.55 0.00	51.36 1.81 0.00	51.98 1.76 0.00	53.39 1.80 0.00	56.40 1.58 0.00	114.97 2.91 0.00	65.70 1.96 0.00	59.31 1.42 0.00	59.59 1.40 0.00	65.46 1.87 0.00	54.21 1.38 0.00	55.20 1.45 0.00	43.00 1.04 0.00
V_D_10_SYNC_DSASP 323841	56.73 2.04 0.00	58.63 2.08 0.00	50.23 1.65 0.00	58.03 1.90 0.00	55.82 1.82 0.00	54.85 1.77 0.00	55.33 1.77 0.00	55.69 1.67 0.00	37.55 1.08 0.00	44.28 1.39 0.00	45.88 1.51 0.00	44.97 1.56 0.00	51.39 1.84 0.00	52.03 1.81 0.00	53.42 1.84 0.00	56.53 1.70 0.00	115.16 3.10 0.00	65.51 1.78 0.00	59.27 1.38 0.00	59.65 1.46 0.00	65.41 1.82 0.00	54.33 1.50 0.00	55.29 1.54 0.00	42.98 1.03 0.00
V_E_10_SYNC_DSASP 323830	57.48 2.78 0.00	59.63 3.07 0.00	51.16 2.59 0.00	59.23 3.10 0.00	56.96 2.95 0.00	56.25 3.18 0.00	56.99 3.43 0.00	57.68 3.41 -0.24	39.96 2.12 -1.37	45.09 2.20 0.00	46.32 1.95 0.00	45.53 2.12 0.00	51.59 2.03 0.00	52.24 2.02 0.00	54.61 2.35 -0.67	64.57 2.07 -7.67	159.25 3.97 -43.22	101.06 2.08 -35.24	81.16 2.86 -20.41	94.20 2.18 -33.83	93.85 1.77 -28.48	79.03 1.12 -25.08	75.26 0.91 -20.60	71.00 0.78 -28.26



V_F_30_NSYNC___DSASP 323816	56.32 1.62 0.00	58.39 1.83 0.00	50.25 1.67 0.00	58.03 1.90 0.00	55.96 1.96 0.00	54.93 1.86 0.00	55.63 2.07 0.00	56.31 2.29 0.00	37.84 1.36 0.00	44.03 1.15 0.00	45.36 0.99 0.00	44.45 1.04 0.00	50.96 1.41 0.00	51.54 1.32 0.00	53.30 1.71 0.00	57.12 2.30 0.00	117.20 5.14 0.00	66.66 2.92 0.00	60.80 2.92 0.00	61.05 2.86 0.00	66.63 3.04 0.00	55.35 2.52 0.00	56.24 2.49 0.00	43.95 2.00 0.00
V_F_30_SYNC_DSASP 323786	54.32 -0.37 0.00	56.24 -0.32 0.00	48.50 -0.08 0.00	55.94 -0.18 0.00	53.97 -0.04 0.00	52.93 -0.15 0.00	53.54 -0.02 0.00	54.21 0.19 0.00	36.70 0.23 0.00	42.80 -0.08 0.00	44.17 -0.20 0.00	43.16 -0.26 0.00	49.30 -0.26 0.00	49.88 -0.34 0.00	51.47 -0.12 0.00	55.02 0.20 0.00	112.76 0.70 0.00	64.26 0.52 0.00	58.55 0.67 0.00	58.87 0.67 0.00	64.28 0.70 0.00	53.47 0.64 0.00	54.31 0.56 0.00	42.64 0.68 0.00
V_XM_10_SYNC_DSASP 323789	56.72 2.02 0.00	58.57 2.01 0.00	50.17 1.59 0.00	57.99 1.87 0.00	55.78 1.77 0.00	54.81 1.74 0.00	55.33 1.77 0.00	55.70 1.67 0.00	37.59 1.12 0.00	44.29 1.41 0.00	45.87 1.50 0.00	44.97 1.55 0.00	51.36 1.81 0.00	51.98 1.76 0.00	53.39 1.80 0.00	56.40 1.58 0.00	114.97 2.91 0.00	65.70 1.96 0.00	59.31 1.42 0.00	59.59 1.40 0.00	65.46 1.87 0.00	54.21 1.38 0.00	55.20 1.45 0.00	43.00 1.04 0.00
W.BABYLN_69_KV_BK1 56697	57.65 2.18 -0.78	58.29 1.74 0.00	50.45 1.88 0.00	58.18 2.05 0.00	56.01 2.00 0.00	55.16 2.08 0.00	57.37 1.90 -1.91	58.13 2.17 -1.94	39.06 1.76 -0.83	46.12 2.35 -0.88	46.85 2.48 0.00	45.46 2.04 0.00	52.20 1.87 -0.78	53.89 2.46 -1.21	54.82 2.01 -1.22	57.01 2.15 -0.02	121.49 5.37 -4.06	70.97 3.51 -3.73	62.71 3.38 -1.44	62.77 3.28 -1.29	67.50 3.31 -0.60	56.94 2.87 -1.25	58.09 3.12 -1.22	44.31 2.36 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	56.10 1.40 0.00	57.88 1.33 0.00	49.96 1.38 0.00	57.72 1.59 0.00	55.52 1.51 0.00	54.67 1.60 0.00	55.30 1.74 0.00	55.98 1.96 0.00	37.90 1.43 0.00	44.62 1.73 0.00	46.22 1.85 0.00	45.14 1.72 0.00	51.44 1.89 0.00	52.14 1.92 0.00	53.32 1.73 0.00	56.65 1.82 0.00	116.25 4.19 0.00	66.52 2.78 0.00	60.33 2.44 0.00	60.59 2.39 0.00	66.26 2.68 0.00	55.08 2.25 0.00	56.12 2.38 0.00	43.93 1.98 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	56.14 1.44 0.00	57.91 1.35 0.00	50.01 1.43 0.00	57.73 1.61 0.00	55.56 1.55 0.00	54.69 1.61 0.00	55.33 1.77 0.00	56.05 2.02 0.00	38.00 1.53 0.00	44.76 1.87 0.00	46.44 2.07 0.00	45.32 1.90 0.00	51.62 2.06 0.00	52.37 2.15 0.00	53.45 1.86 0.00	56.65 1.82 0.00	116.05 3.99 0.00	66.50 2.76 0.00	60.26 2.37 0.00	60.53 2.34 0.00	66.27 2.68 0.00	55.15 2.32 0.00	56.19 2.44 0.00	44.00 2.05 0.00
W50THST__13_KV_LOAD 356117	56.37 1.67 0.00	58.15 1.59 0.00	50.22 1.65 0.00	58.00 1.88 0.00	55.81 1.80 0.00	54.96 1.88 0.00	55.61 2.05 0.00	56.34 2.32 0.00	38.22 1.74 0.00	45.02 2.14 0.00	46.71 2.35 0.00	45.60 2.18 0.00	51.95 2.39 0.00	52.68 2.46 0.00	53.77 2.18 0.00	56.96 2.14 0.00	116.61 4.55 0.00	66.82 3.08 0.00	60.55 2.67 0.00	60.82 2.62 0.00	66.58 2.99 0.00	55.40 2.57 0.00	56.46 2.71 0.00	44.22 2.26 0.00
WADING RIVER_IC_1 23522	55.52 1.43 0.60	57.55 0.99 -0.01	49.91 1.33 0.00	57.56 1.44 0.00	55.51 1.51 0.00	54.81 1.73 0.00	62.09 1.30 -7.23	62.95 1.55 -7.38	41.09 1.44 -3.17	48.25 2.01 -3.35	46.50 2.14 0.00	45.10 1.68 0.00	53.73 1.22 -2.96	56.48 1.66 -4.60	57.67 1.46 -4.63	56.55 1.62 -0.10	132.12 4.65 -15.41	75.73 3.25 -8.74	66.46 3.12 -5.46	66.00 2.89 -4.91	68.31 2.43 -2.28	59.67 2.10 -4.74	61.09 2.70 -4.63	43.92 1.96 0.00
WADING RIVER_IC_2 23547	55.52 1.43 0.60	57.55 0.99 -0.01	49.91 1.33 0.00	57.56 1.44 0.00	55.51 1.51 0.00	54.81 1.73 0.00	62.09 1.30 -7.23	62.95 1.55 -7.38	41.09 1.44 -3.17	48.25 2.01 -3.35	46.50 2.14 0.00	45.10 1.68 0.00	53.73 1.22 -2.96	56.48 1.66 -4.60	57.67 1.46 -4.63	56.55 1.62 -0.10	132.12 4.65 -15.41	75.73 3.25 -8.74	66.46 3.12 -5.46	66.00 2.89 -4.91	68.31 2.43 -2.28	59.67 2.10 -4.74	61.09 2.70 -4.63	43.92 1.96 0.00
WADING RIVER_IC_3 23601	55.52 1.43 0.60	57.55 0.99 -0.01	49.91 1.33 0.00	57.56 1.44 0.00	55.51 1.51 0.00	54.81 1.73 0.00	62.09 1.30 -7.23	62.95 1.55 -7.38	41.09 1.44 -3.17	48.25 2.01 -3.35	46.50 2.14 0.00	45.10 1.68 0.00	53.73 1.22 -2.96	56.48 1.66 -4.60	57.67 1.46 -4.63	56.55 1.62 -0.10	132.12 4.65 -15.41	75.73 3.25 -8.74	66.46 3.12 -5.46	66.00 2.89 -4.91	68.31 2.43 -2.28	59.67 2.10 -4.74	61.09 2.70 -4.63	43.92 1.96 0.00
WALDENNY_12_KV_BK2 80841	52.45 -2.25 0.00	53.97 -2.59 0.00	45.52 -3.06 0.00	52.85 -3.27 0.00	50.43 -3.57 0.00	49.69 -3.38 0.00	49.70 -3.86 0.00	48.90 -4.93 0.19	32.12 -3.25 1.10	39.72 -3.16 0.00	41.16 -3.21 0.00	40.60 -2.81 0.00	46.11 -3.45 0.00	47.08 -3.14 0.00	47.35 -3.70 0.54	44.21 -4.45 6.16	66.53 -10.05 35.49	26.59 -5.85 31.30	33.36 -5.90 18.62	21.84 -5.71 30.65	31.10 -6.56 25.93	24.43 -5.54 22.86	29.69 -5.27 18.78	12.23 -3.96 25.77
WALDEN___HYDRO 24148	56.04 1.35 0.00	57.86 1.30 0.00	49.90 1.32 0.00	57.65 1.52 0.00	55.47 1.47 0.00	54.61 1.53 0.00	55.23 1.67 0.00	55.89 1.87 0.00	37.82 1.34 0.00	44.49 1.61 0.00	46.07 1.70 0.00	44.94 1.53 0.00	51.26 1.71 0.00	51.97 1.76 0.00	53.14 1.55 0.00	56.59 1.76 0.00	116.07 4.01 0.00	66.38 2.64 0.00	60.24 2.35 0.00	60.52 2.33 0.00	66.13 2.54 0.00	54.96 2.13 0.00	55.96 2.21 0.00	43.78 1.82 0.00
WARRENSBURG____ 23737	57.10 2.41 0.00	59.21 2.66 0.00	51.01 2.44 0.00	58.91 2.79 0.00	56.86 2.85 0.00	55.83 2.76 0.00	56.68 3.12 0.00	57.47 3.45 0.00	38.55 2.08 0.00	44.55 1.66 0.00	45.85 1.48 0.00	45.03 1.61 0.00	51.73 2.17 0.00	52.27 2.05 0.00	54.19 2.60 0.00	58.20 3.37 0.00	119.39 7.33 0.00	67.83 4.09 0.00	61.85 3.96 0.00	62.10 3.91 0.00	67.69 4.10 0.00	56.21 3.38 0.00	57.11 3.36 0.00	44.55 2.59 0.00
WATERSIDE___6 8 9 23538	56.05 1.35 0.00	57.81 1.25 0.00	49.99 1.41 0.00	57.66 1.53 0.00	55.51 1.50 0.00	54.64 1.57 0.00	55.30 1.73 0.00	56.04 2.02 0.00	38.05 1.57 0.00	44.80 1.92 0.00	46.45 2.08 0.00	45.34 1.92 0.00	51.62 2.07 0.00	52.33 2.11 0.00	53.42 1.83 0.00	56.60 1.77 0.00	115.83 3.77 0.00	66.42 2.69 0.00	60.18 2.30 0.00	60.47 2.27 0.00	66.20 2.61 0.00	55.12 2.29 0.00	56.17 2.42 0.00	44.00 2.04 0.00
WATKINRD_115KV_LN8_ILLION 55919	55.90 1.21 0.00	57.85 1.30 0.00	49.77 1.19 0.00	57.51 1.39 0.00	55.38 1.37 0.00	54.43 1.35 0.00	54.93 1.37 0.00	55.39 1.37 0.00	37.13 0.66 0.00	43.39 0.50 0.00	44.79 0.42 0.00	44.05 0.64 0.00	50.35 0.80 0.00	50.97 0.75 0.00	52.45 0.86 0.00	56.07 1.24 0.00	114.72 2.65 0.00	65.28 1.54 0.00	59.61 1.73 0.00	59.86 1.67 0.00	65.33 1.74 0.00	54.26 1.43 0.00	55.23 1.48 0.00	43.19 1.23 0.00



WDELAWARE___HYD 323627	55.51 0.81 0.00	57.33 0.77 0.00	49.41 0.83 0.00	57.09 0.96 0.00	54.96 0.95 0.00	54.15 1.08 0.00	54.74 1.18 0.00	55.39 1.37 0.00	37.47 1.00 0.00	44.05 1.17 0.00	45.64 1.27 0.00	44.45 1.04 0.00	50.79 1.24 0.00	51.40 1.19 0.00	52.49 0.90 0.00	56.10 1.28 0.00	115.18 3.12 0.00	65.84 2.10 0.00	59.78 1.89 0.00	60.05 1.85 0.00	65.62 2.03 0.00	54.49 1.66 0.00	55.42 1.68 0.00	43.30 1.35 0.00
WEST BABYLON___IC 23714	57.65 2.18 -0.78	58.29 1.74 0.00	50.45 1.88 0.00	58.18 2.05 0.00	56.01 2.00 0.00	55.16 2.08 0.00	57.37 1.90 -1.91	58.13 2.17 -1.94	39.06 1.76 -0.83	46.12 2.35 -0.88	46.85 2.48 0.00	45.46 2.04 0.00	52.20 1.87 -0.78	53.89 2.46 -1.21	54.82 2.01 -1.22	57.01 2.15 -0.02	121.49 5.37 -4.06	70.97 3.51 -3.73	62.71 3.38 -1.44	62.77 3.28 -1.29	67.50 3.31 -0.60	56.94 2.87 -1.25	58.09 3.12 -1.22	44.31 2.36 0.00
WEST CANADA___HYD 24049	54.60 -0.09 0.00	56.50 -0.06 0.00	48.57 -0.01 0.00	56.09 -0.04 0.00	54.01 0.00 0.00	53.05 -0.02 0.00	53.51 -0.05 0.00	54.01 -0.01 0.00	36.45 -0.02 0.00	42.83 -0.06 0.00	44.28 -0.09 0.00	43.33 -0.09 0.00	49.46 -0.10 0.00	50.12 -0.10 0.00	51.49 -0.10 0.00	54.78 -0.04 0.00	111.95 -0.12 0.00	63.66 -0.08 0.00	57.88 0.00 0.00	58.15 -0.04 0.00	63.53 -0.06 0.00	52.83 0.00 0.00	53.75 0.00 0.00	42.01 0.05 0.00
WESTERN_NY_WIND 24143	53.61 -1.08 0.00	55.04 -1.51 0.00	46.58 -2.00 0.00	53.99 -2.13 0.00	51.67 -2.34 0.00	50.94 -2.13 0.00	51.05 -2.51 0.00	50.44 -3.44 0.14	33.26 -2.41 0.81	40.75 -2.14 0.00	42.26 -2.11 0.00	41.67 -1.75 0.00	47.36 -2.20 0.00	48.47 -1.75 0.00	48.89 -2.31 0.39	47.54 -2.78 4.51	79.90 -6.31 25.85	37.34 -3.60 22.79	40.18 -3.90 13.81	32.22 -3.81 22.16	39.92 -4.60 19.07	31.96 -3.95 16.92	36.07 -3.75 13.93	20.05 -2.80 19.10
WESTOVER___LESR 323668	54.05 -0.64 0.00	56.06 -0.49 0.00	48.00 -0.57 0.00	55.57 -0.55 0.00	53.32 -0.69 0.00	52.46 -0.61 0.00	52.93 -0.63 0.00	53.15 -0.79 0.08	35.46 -0.55 0.45	42.27 -0.62 0.00	43.79 -0.58 0.00	42.88 -0.54 0.00	48.76 -0.79 0.00	49.61 -0.61 0.00	50.72 -0.64 0.22	51.47 -0.81 2.54	95.80 -1.78 14.48	51.96 -1.11 10.67	52.72 -0.84 4.32	46.28 -0.92 10.99	55.41 -1.11 7.07	46.35 -0.94 5.54	48.42 -0.96 4.37	35.25 -0.71 6.00
WETHRSFD_WT_PWR 323626	52.12 -2.58 0.00	53.82 -2.74 0.00	45.44 -3.14 0.00	52.81 -3.32 0.00	50.38 -3.63 0.00	49.58 -3.49 0.00	49.60 -3.96 0.00	48.70 -5.04 0.29	31.28 -3.55 1.64	39.19 -3.69 0.00	40.51 -3.85 0.00	39.90 -3.52 0.00	45.13 -4.42 0.00	45.84 -4.38 0.00	45.85 -4.93 0.81	39.73 -5.90 9.19	47.25 -12.33 52.49	9.68 -7.41 46.64	21.22 -7.26 29.41	6.28 -7.17 44.74	15.56 -8.07 39.95	10.07 -6.87 35.89	17.37 -6.70 29.67	-3.79 -5.04 40.70
WHAVSTOR_138KV_BK127 55557	55.77 1.08 0.00	57.55 0.99 0.00	49.67 1.09 0.00	57.40 1.28 0.00	55.21 1.21 0.00	54.36 1.29 0.00	54.99 1.43 0.00	55.67 1.65 0.00	37.69 1.22 0.00	44.36 1.48 0.00	45.95 1.58 0.00	44.86 1.45 0.00	51.14 1.58 0.00	51.83 1.61 0.00	53.01 1.42 0.00	56.30 1.47 0.00	115.51 3.45 0.00	66.10 2.36 0.00	59.95 2.07 0.00	60.23 2.03 0.00	65.86 2.27 0.00	54.75 1.92 0.00	55.80 2.05 0.00	43.69 1.74 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	55.77 1.08 0.00	57.55 0.99 0.00	49.67 1.09 0.00	57.40 1.28 0.00	55.21 1.21 0.00	54.36 1.29 0.00	54.99 1.43 0.00	55.67 1.65 0.00	37.69 1.22 0.00	44.36 1.48 0.00	45.95 1.58 0.00	44.86 1.45 0.00	51.14 1.58 0.00	51.83 1.61 0.00	53.01 1.42 0.00	56.30 1.47 0.00	115.51 3.45 0.00	66.10 2.36 0.00	59.95 2.07 0.00	60.23 2.03 0.00	65.86 2.27 0.00	54.75 1.92 0.00	55.80 2.05 0.00	43.69 1.74 0.00
WHITEHAL_115KV_TB1 80871	57.90 3.20 0.00	60.36 3.80 0.00	51.91 3.33 0.00	59.92 3.80 0.00	58.01 4.00 0.00	56.94 3.86 0.00	58.15 4.59 0.00	59.33 5.31 0.00	39.68 3.20 0.00	45.08 2.19 0.00	46.17 1.80 0.00	45.31 1.89 0.00	52.52 2.96 0.00	53.01 2.79 0.00	55.58 3.99 0.00	60.16 5.33 0.00	123.38 11.32 0.00	69.76 6.02 0.00	63.82 5.94 0.00	64.01 5.81 0.00	69.11 5.52 0.00	57.39 4.57 0.00	58.31 4.57 0.00	45.44 3.48 0.00
WHITEPLN_13_KV_LOAD 356215	56.39 1.69 0.00	58.17 1.62 0.00	50.19 1.61 0.00	57.99 1.86 0.00	55.79 1.79 0.00	54.94 1.87 0.00	55.57 2.01 0.00	56.27 2.24 0.00	38.12 1.65 0.00	44.89 2.00 0.00	46.51 2.15 0.00	45.42 2.00 0.00	51.75 2.19 0.00	52.47 2.25 0.00	53.63 2.04 0.00	56.97 2.14 0.00	116.85 4.79 0.00	66.90 3.17 0.00	60.69 2.80 0.00	60.94 2.74 0.00	66.67 3.08 0.00	55.46 2.63 0.00	56.44 2.69 0.00	44.16 2.20 0.00
WM_FLOYD_69_KV_BK2 356380	55.61 1.52 0.60	57.60 1.04 -0.01	49.93 1.36 0.00	57.57 1.45 0.00	55.50 1.49 0.00	54.75 1.67 0.00	61.68 1.23 -6.89	62.51 1.47 -7.02	40.88 1.39 -3.02	47.99 1.91 -3.19	46.41 2.05 0.00	45.01 1.60 0.00	53.49 1.13 -2.82	56.19 1.60 -4.38	57.37 1.38 -4.40	56.43 1.51 -0.09	131.07 4.34 -14.67	75.22 3.08 -8.40	66.01 2.93 -5.19	65.60 2.73 -4.67	68.16 2.40 -2.17	59.42 2.08 -4.51	60.78 2.62 -4.41	43.91 1.95 0.00
WOODARD__115KV_TB2 355635	53.60 -1.10 0.00	55.36 -1.20 0.00	47.49 -1.09 0.00	54.87 -1.25 0.00	52.76 -1.25 0.00	51.91 -1.16 0.00	52.41 -1.16 0.00	52.79 -1.24 0.00	35.65 -0.83 0.00	41.96 -0.93 0.00	43.43 -0.94 0.00	42.49 -0.93 0.00	48.47 -1.09 0.00	49.22 -1.00 0.00	50.56 -1.03 0.00	53.72 -1.11 0.00	109.79 -2.27 0.00	62.42 -1.32 0.00	56.65 -1.24 0.00	56.90 -1.30 0.00	62.07 -1.52 0.00	51.53 -1.29 0.00	52.40 -1.35 0.00	40.95 -1.00 0.00
WOODMERE_69_KV_BK1 55827	74.17 2.32 -17.15	58.53 1.95 -0.02	50.58 2.01 0.00	58.38 2.25 0.00	56.19 2.19 0.00	55.32 2.22 -0.03	55.26 1.70 0.00	55.82 1.79 0.00	37.92 1.45 0.00	44.91 2.02 0.00	46.61 2.23 -0.01	45.37 1.93 -0.03	51.37 1.81 0.00	52.35 2.13 0.00	53.28 1.69 0.00	56.71 1.89 0.00	116.39 4.32 0.00	69.40 2.95 -2.72	60.58 2.69 0.00	61.14 2.94 0.00	66.67 3.08 0.00	55.45 2.62 0.00	56.62 2.88 0.00	44.25 2.30 0.00
YORK___WARBASSE 23770	56.19 1.50 0.00	57.91 1.35 0.00	50.16 1.58 0.00	57.80 1.68 0.00	55.62 1.62 0.00	54.76 1.68 0.00	55.42 1.87 0.00	56.15 2.13 0.00	38.13 1.66 0.00	44.90 2.02 0.00	46.51 2.14 0.00	45.41 1.99 0.00	51.71 2.15 0.00	52.42 2.21 0.00	53.48 1.89 0.00	56.71 1.89 0.00	116.06 4.00 0.00	66.60 2.86 0.00	60.30 2.41 0.00	60.60 2.41 0.00	66.34 2.75 0.00	55.24 2.41 0.00	56.32 2.57 0.00	44.14 2.19 0.00