

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

07/02/2025

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	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	54.54	50.62	43.06	43.04	38.68	43.94	46.72	39.28	41.14	43.34	52.22	51.34	56.02	54.11	53.92	51.34	58.31	53.52	51.31	101.91	58.32	71.31	60.32	50.33
24138	3.42	3.65	3.28	3.14	2.89	3.24	3.30	2.90	3.03	3.35	4.09	4.08	4.40	4.32	3.97	4.25	4.87	4.63	4.24	6.57	3.60	3.88	3.00	2.87
	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	54.61	50.68	43.10	43.10	38.74	44.00	46.74	39.27	41.12	43.28	52.17	51.30	55.97	54.11	53.94	51.37	58.34	53.57	51.40	102.27	58.52	71.57	60.54	50.48
24260	3.49	3.72	3.32	3.20	2.95	3.30	3.33	2.88	3.02	3.28	4.04	4.04	4.35	4.31	3.99	4.28	4.91	4.68	4.33	6.93	3.80	4.14	3.23	3.01
	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	54.61	50.68	43.10	43.10	38.74	44.00	46.74	39.27	41.12	43.28	52.17	51.30	55.97	54.11	53.94	51.37	58.34	53.57	51.40	102.27	58.52	71.57	60.54	50.48
24261	3.49	3.72	3.32	3.20	2.95	3.30	3.33	2.88	3.02	3.28	4.04	4.04	4.35	4.31	3.99	4.28	4.91	4.68	4.33	6.93	3.80	4.14	3.23	3.01
	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	53.98	49.97	42.40	42.37	38.09	43.35	46.18	38.50	40.10	41.77	49.76	48.89	53.16	51.46	51.79	49.30	55.98	51.64	50.41	101.44	58.56	71.82	60.49	49.78
24011	2.85	3.00	2.62	2.47	2.30	2.65	2.77	2.12	2.00	1.78	1.63	1.63	1.55	1.66	1.84	2.20	2.54	2.76	3.34	6.10	3.84	4.38	3.17	2.32
	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	54.80	50.79	43.01	42.90	38.55	43.98	46.92	39.03	40.50	42.05	49.95	49.06	53.09	51.51	52.10	49.75	56.54	51.97	51.11	103.03	59.46	73.14	61.28	50.18
23798	3.67	3.83	3.23	3.01	2.77	3.29	3.51	2.65	2.40	2.05	1.82	1.80	1.48	1.71	2.14	2.66	3.10	3.08	4.03	7.70	4.73	5.70	3.96	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 S GLENS___FALLS	53.98	49.97	42.40	42.37	38.09	43.35	46.18	38.50	40.10	41.77	49.76	48.89	53.16	51.46	51.79	49.30	55.98	51.64	50.41	101.44	58.56	71.82	60.49	49.78
24028	2.85	3.00	2.62	2.47	2.30	2.65	2.77	2.12	2.00	1.78	1.63	1.63	1.55	1.66	1.84	2.20	2.54	2.76	3.34	6.10	3.84	4.38	3.17	2.32
	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	53.28	49.56	42.17	42.07	37.83	43.03	45.80	38.28	39.92	41.55	49.60	48.72	52.80	51.19	51.53	49.04	55.08	50.74	48.96	97.88	56.82	70.15	59.26	48.89
23527	2.15	2.60	2.39	2.17	2.04	2.33	2.39	1.90	1.82	1.56	1.47	1.46	1.19	1.40	1.58	1.95	1.64	1.85	1.89	2.55	2.10	2.72	1.94	1.43
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	51.37	47.55	40.49	40.46	36.51	41.34	43.92	36.87	38.47	40.12	48.12	47.29	51.48	49.82	49.97	47.46	53.60	49.32	47.51	95.21	54.91	67.49	57.10	47.24
24190	0.24	0.58	0.71	0.56	0.72	0.64	0.51	0.48	0.37	0.12	0.00	0.04	-0.14	0.03	0.01	0.37	0.16	0.43	0.43	-0.13	0.18	0.05	-0.22	-0.22
	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	51.10	46.55	39.29	39.51	35.42	40.33	43.41	36.48	38.28	40.24	48.45	47.38	51.68	49.71	49.81	46.51	52.73	48.03	46.02	94.21	53.78	67.08	57.33	47.48
355683	-0.02	-0.41	-0.49	-0.38	-0.37	-0.37	0.00	0.10	0.18	0.25	0.33	0.12	0.06	-0.08	-0.15	-0.59	-0.70	-0.86	-1.05	-1.13	-0.94	-0.35	0.01	0.02
	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	52.57	48.64	41.42	41.40	37.28	42.26	44.75	37.00	38.41	40.03	47.92	47.12	51.32	49.63	49.78	47.21	53.38	49.09	47.47	95.58	55.25	67.96	57.52	47.58
323833	1.44	1.67	1.64	1.50	1.50	1.57	1.34	0.61	0.31	0.04	-0.20	-0.13	-0.30	-0.16	-0.18	0.12	-0.05	0.20	0.40	0.24	0.53	0.53	0.20	0.11
	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	52.55	48.63	41.40	41.39	37.27	42.24	44.74	36.98	38.39	40.02	47.90	47.11	51.30	49.61	49.77	47.19	53.36	49.08	47.45	95.54	55.22	67.93	57.49	47.56
323834	1.42	1.66	1.62	1.50	1.48	1.55	1.33	0.60	0.29	0.03	-0.22	-0.15	-0.32	-0.18	-0.19	0.09	-0.07	0.19	0.37	0.20	0.50	0.50	0.17	0.10
	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	51.37	47.55	40.49	40.46	36.51	41.34	43.92	36.87	38.47	40.12	48.12	47.29	51.48	49.82	49.97	47.46	53.60	49.32	47.51	95.21	54.91	67.49	57.10	47.24
23571	0.24	0.58	0.71	0.56	0.72	0.64	0.51	0.48	0.37	0.12	0.00	0.04	-0.14	0.03	0.01	0.37	0.16	0.43	0.43	-0.13	0.18	0.05	-0.22	-0.22
	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	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 0.00 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.01 0.00	47.46 0.37 0.00	53.60 0.16 0.00	49.32 0.43 0.00	47.51 0.43 0.00	95.21 -0.13 0.00	54.91 0.18 0.00	67.49 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
ALBANY___3 23573	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 0.00 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.01 0.00	47.46 0.37 0.00	53.60 0.16 0.00	49.32 0.43 0.00	47.51 0.43 0.00	95.21 -0.13 0.00	54.91 0.18 0.00	67.49 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
ALBANY___4 23574	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 0.00 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.01 0.00	47.46 0.37 0.00	53.60 0.16 0.00	49.32 0.43 0.00	47.51 0.43 0.00	95.21 -0.13 0.00	54.91 0.18 0.00	67.49 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
ALBANY___LFGE 323615	52.02 0.90 0.00	48.14 1.18 0.00	40.98 1.20 0.00	40.95 1.06 0.00	36.93 1.15 0.00	41.83 1.13 0.00	44.49 1.08 0.00	37.30 0.92 0.00	38.96 0.85 0.00	40.65 0.66 0.00	48.76 0.64 0.00	47.95 0.70 0.00	52.22 0.60 0.00	50.54 0.75 0.00	50.71 0.76 0.00	48.17 1.07 0.00	54.45 1.02 0.00	50.11 1.23 0.00	48.29 1.21 0.00	96.76 1.42 0.00	55.77 1.05 0.00	68.51 1.08 0.00	57.93 0.60 0.00	47.90 0.43 0.00
ALCOA_PA_115KV_PL-6C 55860	51.36 0.23 0.00	46.77 -0.20 0.00	39.47 -0.32 0.00	39.68 -0.22 0.00	35.58 -0.21 0.00	40.50 -0.19 0.00	43.62 0.21 0.00	36.62 0.24 0.00	38.45 0.34 0.00	40.43 0.43 0.00	48.66 0.53 0.00	47.55 0.29 0.00	51.80 0.18 0.00	49.86 0.07 0.00	49.92 -0.03 0.00	46.60 -0.49 0.00	52.81 -0.62 0.00	48.07 -0.82 0.00	46.08 -0.99 0.00	94.47 -0.87 0.00	54.26 -0.46 0.00	67.39 -0.04 0.00	57.57 0.25 0.00	47.76 0.30 0.00
ALCOA_RYNLDS___DRP 24188	51.36 0.23 0.00	46.77 -0.20 0.00	39.47 -0.32 0.00	39.68 -0.22 0.00	35.58 -0.21 0.00	40.50 -0.19 0.00	43.62 0.21 0.00	36.62 0.24 0.00	38.45 0.34 0.00	40.43 0.43 0.00	48.66 0.53 0.00	47.55 0.29 0.00	51.80 0.18 0.00	49.86 0.07 0.00	49.92 -0.03 0.00	46.60 -0.49 0.00	52.81 -0.62 0.00	48.07 -0.82 0.00	46.08 -0.99 0.00	94.47 -0.87 0.00	54.26 -0.46 0.00	67.39 -0.04 0.00	57.57 0.25 0.00	47.76 0.30 0.00
ALCOA___DSASP 323711	51.36 0.23 0.00	46.77 -0.20 0.00	39.47 -0.31 0.00	39.68 -0.21 0.00	35.58 -0.20 0.00	40.51 -0.19 0.00	43.62 0.21 0.00	36.62 0.24 0.00	38.44 0.34 0.00	40.43 0.43 0.00	48.66 0.53 0.00	47.55 0.29 0.00	51.79 0.17 0.00	49.86 0.07 0.00	49.92 -0.03 0.00	46.60 -0.49 0.00	52.81 -0.62 0.00	48.07 -0.82 0.00	46.09 -0.99 0.00	94.47 -0.87 0.00	54.26 -0.46 0.00	67.38 -0.05 0.00	57.57 0.25 0.00	47.76 0.30 0.00
ALLEGHENY___COGEN 23514	53.43 2.30 0.00	49.49 2.52 0.00	41.80 2.02 0.00	41.80 1.90 0.00	37.17 1.38 0.00	42.34 1.64 0.00	44.49 1.08 0.00	36.66 0.27 -0.01	37.89 -0.21 0.00	39.73 -0.26 0.00	47.60 -0.53 0.00	46.87 -0.39 0.00	51.72 0.10 0.00	49.50 -0.29 0.00	49.34 -0.61 0.00	46.49 -0.60 0.00	53.75 0.31 0.00	49.02 0.13 0.00	47.98 0.91 0.00	99.30 3.96 0.00	57.57 2.85 0.00	70.13 2.70 0.00	59.53 2.21 0.00	49.03 1.58 0.00
ALTAMONT_115KV_TB 2 55880	52.16 1.03 0.00	48.24 1.28 0.00	41.07 1.29 0.00	41.07 1.18 0.00	36.94 1.15 0.00	41.91 1.21 0.00	44.51 1.10 0.00	37.22 0.84 0.00	38.86 0.75 0.00	40.63 0.64 0.00	48.78 0.65 0.00	47.93 0.67 0.00	52.24 0.63 0.00	50.50 0.70 0.00	50.61 0.66 0.00	48.02 0.92 0.00	54.33 0.90 0.00	49.94 1.05 0.00	48.16 1.08 0.00	96.71 1.37 0.00	55.71 0.99 0.00	68.45 1.02 0.00	57.98 0.66 0.00	48.02 0.56 0.00
ALTONA_WT_PWR 323606	50.99 -0.14 0.00	46.05 -0.91 0.00	38.81 -0.97 0.00	39.02 -0.88 0.00	35.03 -0.76 0.00	39.99 -0.72 0.00	43.14 -0.27 0.00	36.27 -0.12 0.00	37.85 -0.25 0.00	39.74 -0.25 0.00	48.05 -0.08 0.00	46.88 -0.37 0.00	50.89 -0.73 0.00	48.75 -1.05 0.00	48.79 -1.16 0.00	45.59 -1.50 0.00	51.65 -1.79 0.00	47.28 -1.61 0.00	45.21 -1.86 0.00	92.84 -2.50 0.00	53.38 -1.35 0.00	66.12 -1.32 0.00	56.02 -1.31 0.00	46.38 -1.08 0.00
AMERICAN_REF_FUEL 24010	50.02 -1.11 0.00	46.00 -0.96 0.00	39.03 -0.76 0.00	39.03 -0.86 0.00	34.57 -1.21 0.00	39.27 -1.43 0.00	40.86 -2.55 0.00	33.64 -2.74 0.00	35.62 -2.49 0.00	38.07 -1.93 0.00	46.36 -1.77 0.00	46.17 -1.09 0.00	51.24 -0.39 0.00	48.79 -1.01 0.00	48.27 -1.68 0.00	45.24 -1.85 0.00	52.36 -1.07 0.00	47.48 -1.40 0.00	46.44 -0.63 0.00	94.16 -1.18 0.00	53.33 -1.39 0.00	64.67 -2.77 0.00	56.01 -1.32 0.00	46.83 -0.63 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	51.64 0.52 0.00	47.56 0.60 0.00	40.22 0.44 0.00	40.26 0.37 0.00	35.70 -0.09 0.00	40.73 0.03 0.00	42.55 -0.86 0.00	35.56 -0.82 0.00	37.70 -0.41 0.00	40.09 0.09 0.00	48.78 0.65 0.00	47.95 0.69 0.00	53.27 1.65 0.00	50.68 0.89 0.00	50.24 0.28 0.00	47.20 0.11 0.00	54.94 1.50 0.00	49.66 0.77 0.00	48.68 1.61 0.00	98.86 3.52 0.00	55.60 0.88 0.00	67.74 0.31 0.00	58.05 0.73 0.00	48.23 0.77 0.00
ARTHUR KILL_GT_1 23520	54.07 2.94 0.00	50.39 3.42 0.00	42.89 3.11 0.00	42.93 3.03 0.00	38.58 2.79 0.00	43.80 3.10 0.00	46.50 3.09 0.00	39.04 2.65 0.00	40.84 2.73 0.00	42.90 2.90 0.00	51.54 3.41 0.00	50.51 3.26 0.00	53.32 3.52 1.82	53.57 3.78 0.00	53.41 3.45 0.00	50.90 3.80 0.00	57.79 4.36 0.00	53.12 4.23 0.00	51.03 3.96 0.00	101.67 6.33 0.00	58.14 3.42 0.00	71.16 3.73 0.00	60.17 2.85 0.00	50.39 2.93 0.00
ARTHUR_KILL_2 23512	53.86 2.74 0.00	50.19 3.23 0.00	42.74 2.96 0.00	42.78 2.88 0.00	38.45 2.66 0.00	43.65 2.95 0.00	46.35 2.94 0.00	38.91 2.52 0.00	40.70 2.59 0.00	42.74 2.74 0.00	51.34 3.21 0.00	50.35 3.10 0.00	53.11 3.30 1.82	53.37 3.58 0.00	53.23 3.27 0.00	50.70 3.61 0.00	57.54 4.11 0.00	52.89 4.00 0.00	50.81 3.74 0.00	101.21 5.87 0.00	57.88 3.16 0.00	70.84 3.41 0.00	59.92 2.60 0.00	50.19 2.73 0.00
ARTHUR_KILL_3 23513	53.82 2.70 0.00	49.99 3.03 0.00	42.54 2.76 0.00	42.53 2.64 0.00	38.24 2.45 0.00	43.40 2.71 0.00	46.11 2.70 0.00	38.74 2.35 0.00	40.53 2.43 0.00	42.66 2.67 0.00	51.38 3.25 0.00	50.51 3.26 0.00	53.26 3.46 1.82	53.22 3.43 0.00	53.05 3.10 0.00	50.53 3.44 0.00	57.35 3.92 0.00	52.70 3.82 0.00	50.58 3.51 0.00	100.51 5.17 0.00	57.60 2.88 0.00	70.41 2.98 0.00	59.57 2.25 0.00	49.75 2.29 0.00



ARTHUR_KILL_COGEN 323718	54.07 2.94 0.00	50.38 3.41 0.00	42.89 3.11 0.00	42.92 3.03 0.00	38.58 2.79 0.00	43.80 3.10 0.00	46.51 3.10 0.00	39.03 2.65 0.00	40.83 2.73 0.00	42.90 2.90 0.00	51.53 3.40 0.00	50.54 3.28 0.00	53.32 3.51 1.82	53.57 3.78 0.00	53.41 3.45 0.00	50.89 3.80 0.00	57.79 4.35 0.00	53.12 4.23 0.00	51.03 3.96 0.00	101.66 6.32 0.00	58.14 3.42 0.00	71.16 3.72 0.00	60.18 2.86 0.00	50.39 2.93 0.00
ASHOKAN____ 23654	53.62 2.49 0.00	49.58 2.62 0.00	42.16 2.38 0.00	42.12 2.22 0.00	37.87 2.08 0.00	42.96 2.26 0.00	45.68 2.27 0.00	38.38 2.00 0.00	40.09 1.98 0.00	41.97 1.98 0.00	50.36 2.23 0.00	49.44 2.19 0.00	53.79 2.17 0.00	52.10 2.30 0.00	52.47 2.51 0.00	49.69 2.60 0.00	57.11 3.68 0.00	52.84 3.95 0.00	51.12 4.04 0.00	102.25 6.92 0.00	58.59 3.87 0.00	71.69 4.25 0.00	60.52 3.20 0.00	50.01 2.55 0.00
ASTORIA_EAST_ENERGY_CC1 323581	54.23 3.10 0.00	50.39 3.43 0.00	42.84 3.06 0.00	42.84 2.95 0.00	38.52 2.73 0.00	43.72 3.02 0.00	46.44 3.03 0.00	39.03 2.65 0.00	40.88 2.78 0.00	42.94 2.95 0.00	51.62 3.49 0.00	50.76 3.50 0.00	55.38 3.76 0.00	53.61 3.76 -0.06	53.38 3.43 0.00	50.84 3.75 0.00	57.73 4.29 0.00	53.01 4.06 -0.07	50.95 3.69 -0.19	101.93 5.78 -0.82	58.10 3.19 -0.19	70.94 3.44 -0.06	60.00 2.68 0.00	50.27 2.81 0.00
ASTORIA_EAST_ENERGY_CC2 323582	54.23 3.10 0.00	50.39 3.43 0.00	42.84 3.06 0.00	42.84 2.95 0.00	38.52 2.73 0.00	43.72 3.02 0.00	46.44 3.03 0.00	39.03 2.65 0.00	40.88 2.78 0.00	42.94 2.95 0.00	51.62 3.49 0.00	50.76 3.50 0.00	55.38 3.76 0.00	53.61 3.76 -0.06	53.38 3.43 0.00	50.84 3.75 0.00	57.73 4.29 0.00	53.01 4.06 -0.07	50.95 3.69 -0.19	101.93 5.78 -0.82	58.10 3.19 -0.19	70.94 3.44 -0.06	60.00 2.68 0.00	50.27 2.81 0.00
ASTORIA_GT2_1 24094	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT2_2 24095	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT2_3 24096	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT2_4 24097	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT3_1 24098	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT3_2 24099	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT3_3 24100	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT3_4 24101	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT4_1 24102	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT4_2 24103	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT4_3 24104	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00



ASTORIA_GT4_4 24105	54.24 3.12 0.00	50.41 3.44 0.00	42.87 3.09 0.00	42.86 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.46 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.67 3.54 0.00	50.77 3.51 0.00	55.42 3.80 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.77 0.00	57.76 4.32 0.00	53.05 4.09 -0.07	50.97 3.71 -0.19	101.98 5.83 -0.82	58.13 3.22 -0.19	70.99 3.49 -0.06	60.03 2.71 0.00	50.31 2.85 0.00
ASTORIA_GT_1 23523	54.37 3.24 0.00	50.52 3.56 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.62 2.83 0.00	43.84 3.14 0.00	46.56 3.15 0.00	39.14 2.75 0.00	40.99 2.88 0.00	43.07 3.08 0.00	51.80 3.67 0.00	50.90 3.64 0.00	55.57 3.95 0.00	53.78 3.93 -0.06	53.57 3.61 0.00	51.00 3.91 0.00	57.92 4.48 0.00	53.19 4.23 -0.07	51.12 3.85 -0.19	102.26 6.10 -0.82	58.27 3.36 -0.19	71.15 3.65 -0.06	60.17 2.85 0.00	50.42 2.96 0.00
ASTORIA_GT_10 24110	54.03 2.90 0.00	50.20 3.24 0.00	42.66 2.88 0.00	42.67 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.30 2.88 0.00	38.91 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.50 0.00	55.38 3.75 0.00	53.56 3.76 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.92 5.58 0.00	57.75 3.03 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.10 2.64 0.00
ASTORIA_GT_11 24225	54.03 2.90 0.00	50.20 3.24 0.00	42.66 2.88 0.00	42.67 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.30 2.88 0.00	38.91 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.50 0.00	55.38 3.75 0.00	53.56 3.76 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.92 5.58 0.00	57.75 3.03 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.10 2.64 0.00
ASTORIA_GT_12 24226	54.03 2.90 0.00	50.20 3.24 0.00	42.66 2.88 0.00	42.67 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.30 2.88 0.00	38.91 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.50 0.00	55.38 3.75 0.00	53.56 3.76 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.92 5.58 0.00	57.75 3.03 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.10 2.64 0.00
ASTORIA_GT_13 24227	54.03 2.90 0.00	50.20 3.24 0.00	42.66 2.88 0.00	42.67 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.30 2.88 0.00	38.91 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.50 0.00	55.38 3.75 0.00	53.56 3.76 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.92 5.58 0.00	57.75 3.03 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.10 2.64 0.00
ASTORIA_GT_5 24106	54.37 3.24 0.00	50.52 3.56 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.62 2.83 0.00	43.84 3.14 0.00	46.56 3.15 0.00	39.14 2.75 0.00	40.99 2.88 0.00	43.07 3.08 0.00	51.80 3.67 0.00	50.90 3.64 0.00	55.57 3.95 0.00	53.78 3.93 -0.06	53.57 3.61 0.00	51.00 3.91 0.00	57.92 4.48 0.00	53.19 4.23 -0.07	51.12 3.85 -0.19	102.26 6.10 -0.82	58.27 3.36 -0.19	71.15 3.65 -0.06	60.17 2.85 0.00	50.42 2.96 0.00
ASTORIA_GT_7 24107	54.37 3.24 0.00	50.52 3.56 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.62 2.83 0.00	43.84 3.14 0.00	46.56 3.15 0.00	39.14 2.75 0.00	40.99 2.88 0.00	43.07 3.08 0.00	51.80 3.67 0.00	50.90 3.64 0.00	55.57 3.95 0.00	53.78 3.93 -0.06	53.57 3.61 0.00	51.00 3.91 0.00	57.92 4.48 0.00	53.19 4.23 -0.07	51.12 3.85 -0.19	102.26 6.10 -0.82	58.27 3.36 -0.19	71.15 3.65 -0.06	60.17 2.85 0.00	50.42 2.96 0.00
ASTORIA_GT_8 24108	54.37 3.24 0.00	50.52 3.56 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.62 2.83 0.00	43.84 3.14 0.00	46.56 3.15 0.00	39.14 2.75 0.00	40.99 2.88 0.00	43.07 3.08 0.00	51.80 3.67 0.00	50.90 3.64 0.00	55.57 3.95 0.00	53.78 3.93 -0.06	53.57 3.61 0.00	51.00 3.91 0.00	57.92 4.48 0.00	53.19 4.23 -0.07	51.12 3.85 -0.19	102.26 6.10 -0.82	58.27 3.36 -0.19	71.15 3.65 -0.06	60.17 2.85 0.00	50.42 2.96 0.00
ASTORIA___2 24149	54.24 3.12 0.00	50.41 3.45 0.00	42.87 3.08 0.00	42.85 2.96 0.00	38.53 2.75 0.00	43.75 3.05 0.00	46.47 3.05 0.00	39.05 2.67 0.00	40.90 2.79 0.00	42.97 2.97 0.00	51.66 3.54 0.00	50.78 3.53 0.00	55.40 3.77 0.00	53.64 3.79 -0.06	53.43 3.47 0.00	50.86 3.76 0.00	57.77 4.33 0.00	53.04 4.08 -0.07	50.98 3.72 -0.19	101.99 5.83 -0.82	58.12 3.22 -0.19	70.99 3.49 -0.06	60.03 2.72 0.00	50.29 2.83 0.00
ASTORIA___3 23516	54.02 2.90 0.00	50.20 3.24 0.00	42.66 2.87 0.00	42.66 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.29 2.89 0.00	38.90 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.51 0.00	55.37 3.74 0.00	53.56 3.77 0.00	53.40 3.44 0.00	50.85 3.76 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.90 5.57 0.00	57.76 3.05 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.09 2.62 0.00
ASTORIA___4 23517	54.03 2.90 0.00	50.20 3.24 0.00	42.66 2.88 0.00	42.67 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.30 2.88 0.00	38.91 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.50 0.00	55.38 3.75 0.00	53.56 3.76 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.92 5.58 0.00	57.75 3.03 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.10 2.64 0.00
ASTORIA___5 23518	54.02 2.90 0.00	50.20 3.24 0.00	42.66 2.87 0.00	42.66 2.77 0.00	38.35 2.56 0.00	43.56 2.86 0.00	46.29 2.89 0.00	38.90 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.51 0.00	55.36 3.74 0.00	53.56 3.77 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.90 5.57 0.00	57.76 3.04 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.09 2.62 0.00
AST_ENERGY_2_CC3 323677	54.01 2.89 0.00	50.13 3.17 0.00	42.65 2.87 0.00	42.64 2.74 0.00	38.34 2.55 0.00	43.52 2.82 0.00	46.24 2.83 0.00	38.86 2.48 0.00	40.66 2.55 0.00	42.79 2.80 0.00	51.55 3.43 0.00	50.68 3.42 0.00	55.27 3.65 0.00	53.43 3.64 0.00	53.27 3.31 0.00	50.73 3.64 0.00	57.60 4.16 0.00	52.90 4.02 0.00	50.77 3.70 0.00	100.96 5.62 0.00	57.81 3.09 0.00	70.70 3.27 0.00	59.84 2.52 0.00	49.91 2.44 0.00
AST_ENERGY_2_CC4 323678	54.01 2.89 0.00	50.13 3.17 0.00	42.65 2.87 0.00	42.64 2.74 0.00	38.34 2.55 0.00	43.52 2.82 0.00	46.24 2.83 0.00	38.86 2.48 0.00	40.66 2.55 0.00	42.79 2.80 0.00	51.55 3.43 0.00	50.68 3.42 0.00	55.27 3.65 0.00	53.43 3.64 0.00	53.27 3.31 0.00	50.73 3.64 0.00	57.60 4.16 0.00	52.90 4.02 0.00	50.77 3.70 0.00	100.96 5.62 0.00	57.81 3.09 0.00	70.70 3.27 0.00	59.84 2.52 0.00	49.91 2.44 0.00



ATHENS_STG_1 23668	52.56 1.43 0.00	48.69 1.73 0.00	41.49 1.71 0.00	41.50 1.60 0.00	37.29 1.50 0.00	42.34 1.65 0.00	44.90 1.49 0.00	37.56 1.17 0.00	39.26 1.15 0.00	41.15 1.16 0.00	49.48 1.35 0.00	48.63 1.37 0.00	53.01 1.39 0.00	51.22 1.43 0.00	51.26 1.31 0.00	48.66 1.56 0.00	55.08 1.64 0.00	50.59 1.70 0.00	48.72 1.64 0.00	97.49 2.16 0.00	56.09 1.37 0.00	68.82 1.38 0.00	58.30 0.98 0.00	48.38 0.92 0.00
ATHENS_STG_2 23670	52.56 1.43 0.00	48.69 1.73 0.00	41.49 1.71 0.00	41.50 1.60 0.00	37.29 1.50 0.00	42.34 1.65 0.00	44.90 1.49 0.00	37.56 1.17 0.00	39.26 1.15 0.00	41.15 1.16 0.00	49.48 1.35 0.00	48.63 1.37 0.00	53.01 1.39 0.00	51.22 1.43 0.00	51.26 1.31 0.00	48.66 1.56 0.00	55.08 1.64 0.00	50.59 1.70 0.00	48.72 1.64 0.00	97.49 2.16 0.00	56.09 1.37 0.00	68.82 1.38 0.00	58.30 0.98 0.00	48.38 0.92 0.00
ATHENS_STG_3 23677	52.56 1.43 0.00	48.69 1.73 0.00	41.49 1.71 0.00	41.50 1.60 0.00	37.29 1.50 0.00	42.34 1.65 0.00	44.90 1.49 0.00	37.56 1.17 0.00	39.26 1.15 0.00	41.15 1.16 0.00	49.48 1.35 0.00	48.63 1.37 0.00	53.01 1.39 0.00	51.22 1.43 0.00	51.26 1.31 0.00	48.66 1.56 0.00	55.08 1.64 0.00	50.59 1.70 0.00	48.72 1.64 0.00	97.49 2.16 0.00	56.09 1.37 0.00	68.82 1.38 0.00	58.30 0.98 0.00	48.38 0.92 0.00
AUBURN____LFGE 323710	51.88 0.58 -0.17	47.87 0.69 -0.21	40.27 0.48 0.00	40.39 0.50 0.00	36.15 0.37 0.00	41.13 0.43 0.00	43.63 0.18 -0.04	36.43 0.05 0.00	38.06 -0.05 0.00	40.01 0.02 0.00	48.26 0.14 0.00	47.55 0.29 0.00	52.22 0.60 0.00	50.13 0.34 0.00	50.36 0.40 0.00	47.51 0.41 0.00	54.36 0.93 0.00	49.80 0.91 0.00	48.39 1.32 0.00	98.70 2.87 -0.50	56.24 1.52 0.00	69.12 1.34 -0.35	58.56 0.97 -0.27	48.20 0.75 0.00
BABYLON_RES_REC 323704	53.73 2.60 0.00	50.43 3.46 0.00	42.78 2.99 0.00	42.69 2.80 0.00	38.30 2.52 0.00	43.68 2.98 0.00	46.15 2.74 0.00	38.64 2.26 0.00	38.46 2.03 1.68	40.26 2.04 1.77	48.52 2.43 2.03	47.80 2.33 1.78	44.98 2.42 9.06	47.57 2.48 4.71	48.31 2.37 4.02	47.64 2.74 2.19	47.13 3.00 9.30	31.94 3.10 20.05	46.61 2.81 3.27	51.41 3.91 47.84	31.69 2.11 25.14	30.86 2.15 38.73	26.66 1.51 32.17	25.71 1.52 23.27
BALL_HILL_WT_PWR 323825	51.03 -0.10 0.00	46.97 0.01 0.00	39.74 -0.04 0.00	39.79 -0.11 0.00	35.27 -0.52 0.00	40.16 -0.53 0.00	41.94 -1.48 0.00	34.85 -1.53 0.00	36.93 -1.18 0.00	39.31 -0.68 0.00	47.85 -0.27 0.00	47.39 0.13 0.00	52.64 1.02 0.00	50.13 0.34 0.00	49.68 -0.27 0.00	46.65 -0.44 0.00	54.13 0.70 0.00	49.05 0.16 0.00	48.08 1.01 0.00	97.60 2.26 0.00	55.08 0.36 0.00	66.94 -0.49 0.00	57.52 0.21 0.00	47.91 0.45 0.00
BARON_WINDS____WT_PWR 323822	51.06 -0.07 0.00	47.21 0.25 0.00	39.93 0.15 0.00	40.00 0.10 0.00	35.54 -0.24 0.00	40.46 -0.23 0.00	42.37 -1.04 0.00	35.06 -1.31 0.01	36.72 -1.38 0.00	38.71 -1.29 0.00	47.03 -1.10 0.00	46.42 -0.84 0.00	51.19 -0.43 0.00	48.69 -1.11 0.00	48.59 -1.36 0.00	45.86 -1.23 0.00	53.21 -0.23 0.00	48.35 -0.54 0.00	47.55 0.48 0.00	97.30 1.96 0.00	55.44 0.72 0.00	67.46 0.03 0.00	57.23 -0.09 0.00	47.24 -0.22 0.00
BARRETT_IC_1 23704	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_10 23701	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	48.99 2.73 3.53	52.91 2.52 -0.43	49.90 2.90 0.09	57.08 3.28 -0.36	49.59 3.19 2.49	37.52 2.89 12.44	44.98 4.07 54.42	46.00 2.18 10.89	67.64 2.24 2.03	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_11 23702	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	48.99 2.73 3.53	52.91 2.52 -0.43	49.90 2.90 0.09	57.08 3.28 -0.36	49.59 3.19 2.49	37.52 2.89 12.44	44.98 4.07 54.42	46.00 2.18 10.89	67.64 2.24 2.03	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_12 23703	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	48.99 2.73 3.53	52.91 2.52 -0.43	49.90 2.90 0.09	57.08 3.28 -0.36	49.59 3.19 2.49	37.52 2.89 12.44	44.98 4.07 54.42	46.00 2.18 10.89	67.64 2.24 2.03	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_2 23705	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_3 23706	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_4 23707	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_5 23708	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47



BARRETT_IC_6 23709	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_7 23710	53.59 2.47 0.00	50.09 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.31 0.00	43.40 2.70 0.00	45.87 2.46 0.00	38.38 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.62 2.59 0.10	49.72 2.54 0.09	54.64 2.69 -0.33	53.15 2.75 -0.60	52.92 2.54 -0.43	49.90 2.89 0.09	57.35 3.28 -0.64	54.64 3.25 -2.50	50.91 2.91 -0.93	102.76 4.11 -3.32	59.42 2.20 -2.50	72.09 2.24 -2.42	62.64 1.90 -3.42	51.80 1.87 -2.47
BARRETT_IC_8 23711	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT_IC_9 23700	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	48.99 2.73 3.53	52.91 2.52 -0.43	49.90 2.90 0.09	57.08 3.28 -0.36	49.59 3.19 2.49	37.52 2.89 12.44	44.98 4.07 54.42	46.00 2.18 10.89	67.64 2.24 2.03	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT___1 23545	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	53.12 2.73 -0.60	52.91 2.52 -0.43	49.90 2.90 0.09	57.35 3.28 -0.64	54.59 3.19 -2.50	50.89 2.89 -0.93	102.72 4.07 -3.32	59.40 2.18 -2.50	72.09 2.24 -2.42	62.63 1.89 -3.42	51.79 1.86 -2.47
BARRETT___2 23546	53.59 2.47 0.00	50.08 3.12 0.00	42.49 2.71 0.00	42.44 2.54 0.00	38.09 2.30 0.00	43.40 2.70 0.00	45.88 2.47 0.00	38.37 1.99 0.00	39.81 1.79 0.08	41.93 2.02 0.08	50.61 2.58 0.10	49.72 2.55 0.09	54.62 2.67 -0.33	48.99 2.73 3.53	52.91 2.52 -0.43	49.90 2.90 0.09	57.08 3.28 -0.36	49.59 3.19 2.49	37.52 2.89 12.44	44.98 4.07 54.42	46.00 2.18 10.89	67.64 2.24 2.03	62.63 1.89 -3.42	51.79 1.86 -2.47
BATAVIA__115KV_TB1 55881	52.41 1.28 0.00	48.10 1.13 0.00	40.71 0.93 0.00	40.69 0.79 0.00	36.09 0.30 0.00	41.04 0.34 0.00	42.94 -0.47 0.00	35.59 -0.79 0.00	37.59 -0.52 0.00	39.92 -0.08 0.00	48.45 0.32 0.00	48.18 0.92 0.00	53.38 1.76 0.00	51.08 1.28 0.00	50.78 0.82 0.00	47.61 0.52 0.00	55.07 1.64 0.00	50.16 1.27 0.00	49.16 2.09 0.00	100.18 4.84 0.00	56.85 2.13 0.00	69.00 1.57 0.00	59.26 1.94 0.00	49.20 1.74 0.00
BAYONEEC___CTG1 323682	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG10 323750	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG2 323683	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG3 323684	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG4 323685	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG5 323686	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG6 323687	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG7 323688	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00



BAYONEEC___CTG8 323689	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BAYONEEC___CTG9 323749	54.11 2.99 0.00	50.24 3.27 0.00	42.73 2.96 0.00	42.72 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.92 2.53 0.00	40.73 2.62 0.00	42.87 2.88 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.36 3.73 0.00	53.52 3.72 0.00	53.32 3.37 0.00	50.78 3.69 0.00	57.66 4.22 0.00	52.96 4.07 0.00	50.83 3.76 0.00	101.08 5.74 0.00	57.87 3.15 0.00	70.77 3.34 0.00	59.89 2.57 0.00	49.98 2.52 0.00
BEACON___LESR 323632	51.84 0.72 0.00	47.87 0.91 0.00	40.71 0.93 0.00	40.70 0.81 0.00	36.68 0.89 0.00	41.99 1.29 0.00	44.68 1.27 0.00	37.43 1.05 0.00	38.99 0.89 0.00	40.71 0.72 0.00	48.79 0.66 0.00	48.00 0.74 0.00	52.31 0.70 0.00	50.72 0.92 0.00	50.77 0.81 0.00	48.25 1.16 0.00	54.66 1.23 0.00	50.25 1.36 0.00	48.56 1.49 0.00	97.20 1.87 0.00	56.02 1.30 0.00	68.78 1.34 0.00	57.99 0.67 0.00	47.96 0.49 0.00
BEAVER RIVER___HYD 24048	51.75 0.50 -0.12	47.73 0.61 -0.15	40.12 0.34 0.00	40.21 0.31 0.00	36.04 0.25 0.00	40.85 0.16 0.00	43.63 0.19 -0.03	36.68 0.30 0.00	38.48 0.38 0.00	40.36 0.37 0.00	48.34 0.21 0.00	46.90 -0.36 0.00	51.18 -0.44 0.00	49.70 -0.10 0.00	49.84 -0.12 0.00	46.64 -0.45 0.00	52.57 -0.86 0.00	48.24 -0.65 0.00	46.86 -0.22 0.00	95.99 0.29 -0.36	55.10 0.38 0.00	68.42 0.73 -0.25	57.78 0.26 -0.19	47.37 -0.09 0.00
BEEBEE_GT_13 23619	51.43 0.31 0.00	47.31 0.34 0.00	40.07 0.29 0.00	40.06 0.17 0.00	35.66 -0.13 0.00	40.55 -0.15 0.00	42.63 -0.78 0.00	35.58 -0.80 0.00	37.59 -0.51 0.00	39.93 -0.06 0.00	48.45 0.33 0.00	48.06 0.80 0.00	53.05 1.43 0.00	50.89 1.10 0.00	50.73 0.77 0.00	47.73 0.64 0.00	54.97 1.53 0.00	50.09 1.20 0.00	48.79 1.72 0.00	98.84 3.50 0.00	56.15 1.43 0.00	68.26 0.83 0.00	58.34 1.02 0.00	48.36 0.90 0.00
BENSHRST_27_KV_BENSHRST_1 355998	54.54 3.42 0.00	50.69 3.73 0.00	43.06 3.28 0.00	43.06 3.17 0.00	38.71 2.92 0.00	43.95 3.25 0.00	46.71 3.30 0.00	39.24 2.85 0.00	41.09 2.99 0.00	43.21 3.22 0.00	52.03 3.90 0.00	51.08 3.82 0.00	55.79 4.17 0.00	54.09 4.30 0.00	53.92 3.96 0.00	51.33 4.24 0.00	58.28 4.85 0.00	53.53 4.64 0.00	51.37 4.30 0.00	102.25 6.91 0.00	58.55 3.82 0.00	71.65 4.21 0.00	60.62 3.30 0.00	50.74 3.28 0.00
BETHLEHEM___GRP 23843	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 0.00 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.01 0.00	47.46 0.37 0.00	53.60 0.16 0.00	49.32 0.43 0.00	47.51 0.43 0.00	95.21 -0.13 0.00	54.91 0.18 0.00	67.49 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
BETHLEHEM___GS1 323560	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 -0.01 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.02 0.00	47.46 0.37 0.00	53.59 0.16 0.00	49.31 0.43 0.00	47.51 0.43 0.00	95.20 -0.14 0.00	54.91 0.19 0.00	67.48 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
BETHLEHEM___GS2 323561	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 -0.01 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.02 0.00	47.46 0.37 0.00	53.59 0.16 0.00	49.31 0.43 0.00	47.51 0.43 0.00	95.20 -0.14 0.00	54.91 0.19 0.00	67.48 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
BETHLEHEM___GS3 323562	51.37 0.24 0.00	47.55 0.58 0.00	40.49 0.71 0.00	40.46 0.56 0.00	36.51 0.72 0.00	41.34 0.64 0.00	43.92 0.51 0.00	36.87 0.48 0.00	38.47 0.37 0.00	40.12 0.12 0.00	48.12 -0.01 0.00	47.29 0.04 0.00	51.48 -0.14 0.00	49.82 0.03 0.00	49.97 0.02 0.00	47.46 0.37 0.00	53.59 0.16 0.00	49.31 0.43 0.00	47.51 0.43 0.00	95.20 -0.14 0.00	54.91 0.19 0.00	67.48 0.05 0.00	57.10 -0.22 0.00	47.24 -0.22 0.00
BETHLEHEM___STEEL 23779	50.95 -0.18 0.00	46.82 -0.14 0.00	39.64 -0.14 0.00	39.65 -0.25 0.00	35.13 -0.65 0.00	39.96 -0.74 0.00	41.67 -1.74 0.00	34.64 -1.75 0.00	36.71 -1.39 0.00	39.17 -0.82 0.00	47.72 -0.41 0.00	47.43 0.18 0.00	52.63 1.02 0.00	50.12 0.33 0.00	49.70 -0.26 0.00	46.63 -0.47 0.00	54.01 0.58 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.93 0.00	54.99 0.27 0.00	66.74 -0.70 0.00	57.45 0.13 0.00	47.88 0.42 0.00
BETHLHEM_115KV_TB1 79974	51.53 0.40 0.00	47.69 0.73 0.00	40.61 0.83 0.00	40.59 0.70 0.00	36.60 0.81 0.00	41.46 0.76 0.00	44.06 0.64 0.00	36.94 0.55 0.00	38.56 0.46 0.00	40.24 0.25 0.00	48.28 0.15 0.00	47.43 0.18 0.00	51.66 0.05 0.00	49.97 0.18 0.00	50.12 0.16 0.00	47.59 0.50 0.00	53.76 0.32 0.00	49.45 0.56 0.00	47.64 0.57 0.00	95.50 0.16 0.00	55.06 0.34 0.00	67.66 0.23 0.00	57.26 -0.06 0.00	47.40 -0.06 0.00
BETHPAGE_CC_5 323564	53.73 2.61 0.00	50.34 3.38 0.00	42.71 2.93 0.00	42.63 2.73 0.00	38.26 2.48 0.00	43.61 2.91 0.00	46.11 2.70 0.00	38.61 2.22 0.00	38.51 1.95 1.54	40.56 2.19 1.63	48.98 2.72 1.87	48.32 2.70 1.63	46.18 2.85 8.29	48.35 2.85 4.29	48.98 2.68 3.66	48.14 3.05 2.01	48.37 3.43 8.49	34.08 3.46 18.27	47.23 3.14 2.98	56.13 4.58 43.78	34.21 2.43 22.94	34.60 2.55 35.38	29.92 1.93 29.33	28.17 1.93 21.21
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	51.04 -0.09 0.00	46.89 -0.08 0.00	39.68 -0.10 0.00	39.70 -0.20 0.00	35.18 -0.61 0.00	40.03 -0.67 0.00	41.76 -1.66 0.00	34.73 -1.66 0.00	36.81 -1.29 0.00	39.25 -0.74 0.00	47.84 -0.29 0.00	47.56 0.30 0.00	52.75 1.13 0.00	50.26 0.47 0.00	49.83 -0.12 0.00	46.77 -0.32 0.00	54.18 0.74 0.00	49.10 0.21 0.00	48.08 1.01 0.00	97.54 2.20 0.00	55.12 0.39 0.00	66.89 -0.54 0.00	57.57 0.25 0.00	47.94 0.48 0.00
BINGHAMTON___COGEN 23790	51.61 0.48 0.00	47.62 0.66 0.00	40.41 0.63 0.00	40.46 0.56 0.00	36.15 0.36 0.00	41.14 0.44 0.00	43.52 0.11 0.00	36.39 0.01 0.00	38.14 0.04 0.00	40.10 0.11 0.00	48.39 0.27 0.00	47.63 0.38 0.00	52.37 0.75 0.00	50.47 0.67 0.00	50.34 0.38 0.00	47.56 0.47 0.00	54.44 1.00 0.00	49.67 0.78 0.00	48.37 1.30 0.00	97.73 2.39 0.00	55.76 1.04 0.00	68.17 0.74 0.00	57.89 0.57 0.00	47.97 0.51 0.00



BIXINCNT_115KV_LOAD 355685	51.12 -0.01 0.00	47.06 0.10 0.00	39.80 0.01 0.00	39.84 -0.05 0.00	35.33 -0.46 0.00	40.24 -0.46 0.00	42.14 -1.27 0.00	35.14 -1.25 0.00	37.24 -0.87 0.00	39.52 -0.47 0.00	48.03 -0.10 0.00	47.66 0.40 0.00	52.69 1.07 0.00	50.18 0.38 0.00	49.69 -0.27 0.00	46.79 -0.30 0.00	54.19 0.76 0.00	49.16 0.27 0.00	48.12 1.04 0.00	97.71 2.38 0.00	55.10 0.38 0.00	67.14 -0.29 0.00	57.68 0.36 0.00	47.93 0.47 0.00
BLACK RIVER___HYD 24047	52.25 0.90 -0.22	48.28 1.04 -0.27	40.46 0.67 0.00	40.47 0.58 0.00	36.28 0.49 0.00	41.06 0.36 0.00	43.89 0.43 -0.05	36.82 0.43 0.00	38.69 0.59 0.00	40.59 0.60 0.00	48.52 0.40 0.00	46.84 -0.42 0.00	51.21 -0.41 0.00	49.65 -0.14 0.00	49.76 -0.19 0.00	46.62 -0.47 0.00	52.55 -0.89 0.00	48.31 -0.57 0.00	47.13 0.05 0.00	96.98 0.99 -0.66	55.71 0.99 0.00	69.40 1.52 -0.46	58.42 0.75 -0.35	47.71 0.25 0.00
BLACKRVR_115KV_TB2 79977	52.25 0.90 -0.22	48.28 1.04 -0.27	40.46 0.68 0.00	40.47 0.58 0.00	36.28 0.49 0.00	41.06 0.36 0.00	43.88 0.42 -0.05	36.82 0.43 0.00	38.69 0.59 0.00	40.59 0.60 0.00	48.52 0.39 0.00	46.84 -0.42 0.00	51.21 -0.41 0.00	49.65 -0.14 0.00	49.77 -0.19 0.00	46.62 -0.47 0.00	52.55 -0.89 0.00	48.31 -0.58 0.00	47.13 0.05 0.00	96.98 0.99 -0.66	55.71 0.98 0.00	69.41 1.52 -0.46	58.42 0.75 -0.35	47.71 0.25 0.00
BLDWN_LI_69_KV_BK4 356085	54.11 2.98 0.00	50.56 3.59 0.00	42.88 3.10 0.00	42.81 2.91 0.00	38.42 2.63 0.00	43.77 3.07 0.00	46.28 2.87 0.00	38.78 2.39 0.00	39.39 2.23 0.94	41.50 2.50 0.99	50.13 3.14 1.14	49.35 3.09 1.00	50.10 3.30 4.82	50.64 3.25 2.40	50.96 3.05 2.05	49.24 3.37 1.22	52.46 3.88 4.85	42.66 3.90 10.13	49.01 3.54 1.60	75.26 5.37 25.45	44.67 2.92 12.97	50.35 3.23 20.31	43.53 2.59 16.38	38.00 2.38 11.85
BLISS_WT_PWR 323608	51.05 -0.08 0.00	47.00 0.04 0.00	39.75 -0.03 0.00	39.80 -0.10 0.00	35.28 -0.50 0.00	40.18 -0.51 0.00	42.09 -1.32 0.00	35.10 -1.28 0.00	37.22 -0.88 0.00	39.48 -0.51 0.00	48.00 -0.12 0.00	47.61 0.35 0.00	52.65 1.03 0.00	50.14 0.34 0.00	49.60 -0.35 0.00	46.74 -0.35 0.00	54.14 0.70 0.00	49.13 0.24 0.00	48.06 0.99 0.00	97.66 2.32 0.00	55.02 0.30 0.00	67.05 -0.38 0.00	57.63 0.31 0.00	47.84 0.38 0.00
BLUESTONE___WT_PWR 323821	54.04 2.92 0.00	49.75 2.79 0.00	41.91 2.13 0.00	41.32 1.42 0.00	36.66 0.87 0.00	42.29 1.59 0.00	45.50 2.08 0.00	38.22 1.83 0.00	39.71 1.61 0.00	41.48 1.49 0.00	50.19 2.07 0.00	49.17 1.91 0.00	54.08 2.46 0.00	52.05 2.26 0.00	51.93 1.97 0.00	49.07 1.98 0.00	56.35 2.91 0.00	51.84 2.95 0.00	50.71 3.63 0.00	102.44 7.10 0.00	58.52 3.80 0.00	71.37 3.94 0.00	60.79 3.47 0.00	50.26 2.80 0.00
BLUE_CIRC_CHEM_DRP 24182	52.14 1.01 0.00	48.25 1.28 0.00	41.09 1.31 0.00	41.08 1.19 0.00	36.99 1.20 0.00	41.95 1.25 0.00	44.43 1.02 0.00	36.69 0.30 0.00	38.10 0.00 0.00	39.78 -0.21 0.00	47.67 -0.46 0.00	46.85 -0.41 0.00	51.02 -0.60 0.00	49.34 -0.45 0.00	49.47 -0.49 0.00	46.91 -0.18 0.00	53.00 -0.43 0.00	48.71 -0.17 0.00	46.99 -0.08 0.00	94.48 -0.86 0.00	54.56 -0.16 0.00	67.12 -0.31 0.00	56.83 -0.49 0.00	47.05 -0.41 0.00
BOC_GAS_DRP 24189	51.91 0.79 0.00	48.05 1.08 0.00	40.91 1.13 0.00	40.91 1.02 0.00	36.81 1.03 0.00	41.75 1.06 0.00	44.33 0.92 0.00	37.08 0.70 0.00	38.72 0.62 0.00	40.53 0.54 0.00	48.67 0.54 0.00	47.82 0.56 0.00	52.11 0.49 0.00	50.37 0.57 0.00	50.47 0.51 0.00	47.86 0.77 0.00	54.12 0.69 0.00	49.71 0.82 0.00	47.89 0.81 0.00	96.05 0.71 0.00	55.33 0.61 0.00	67.99 0.55 0.00	57.62 0.30 0.00	47.74 0.28 0.00
BOONVILLE_115KV_TB1 79983	52.18 1.06 0.00	48.05 1.09 0.00	40.66 0.87 0.00	40.69 0.79 0.00	36.48 0.69 0.00	41.45 0.76 0.00	44.13 0.72 0.00	37.06 0.67 0.00	38.76 0.66 0.00	40.69 0.70 0.00	48.88 0.75 0.00	47.83 0.57 0.00	52.20 0.58 0.00	50.59 0.80 0.00	50.77 0.82 0.00	47.86 0.76 0.00	54.20 0.76 0.00	49.77 0.88 0.00	48.25 1.18 0.00	97.97 2.63 0.00	56.23 1.51 0.00	69.25 1.82 0.00	58.54 1.23 0.00	48.19 0.73 0.00
BORALEX_4TH_BRANCH 23824	53.27 2.15 0.00	49.56 2.60 0.00	42.17 2.39 0.00	42.07 2.17 0.00	37.83 2.04 0.00	43.03 2.33 0.00	45.80 2.39 0.00	38.29 1.90 0.00	39.92 1.82 0.00	41.55 1.56 0.00	49.60 1.48 0.00	48.71 1.46 0.00	52.81 1.20 0.01	51.19 1.40 0.00	51.53 1.57 0.00	49.04 1.95 0.00	55.08 1.65 0.00	50.74 1.85 0.00	48.97 1.90 0.00	97.88 2.55 0.00	56.82 2.10 0.00	70.15 2.72 0.00	59.26 1.94 0.00	48.89 1.43 0.00
BOWLINE___1 23526	53.54 2.42 0.00	49.64 2.67 0.00	42.23 2.44 0.00	42.26 2.37 0.00	37.99 2.20 0.00	43.11 2.42 0.00	45.78 2.37 0.00	38.36 1.98 0.00	40.11 2.01 0.00	42.17 2.18 0.00	50.83 2.70 0.00	49.97 2.71 0.00	54.55 2.93 0.00	52.71 2.92 0.00	52.58 2.62 0.00	50.01 2.92 0.00	56.82 3.38 0.00	52.22 3.33 0.00	50.23 3.16 0.00	100.15 4.81 0.00	57.34 2.62 0.00	70.17 2.73 0.00	59.34 2.02 0.00	49.39 1.93 0.00
BOWLINE___2 23595	53.45 2.33 0.00	49.56 2.60 0.00	42.17 2.39 0.00	42.23 2.33 0.00	37.98 2.19 0.00	43.08 2.38 0.00	45.72 2.31 0.00	38.31 1.92 0.00	40.05 1.95 0.00	42.10 2.11 0.00	50.74 2.62 0.00	49.90 2.64 0.00	54.47 2.84 0.00	52.63 2.84 0.00	52.50 2.55 0.00	49.93 2.84 0.00	56.72 3.28 0.00	52.14 3.25 0.00	50.16 3.09 0.00	100.01 4.67 0.00	57.25 2.53 0.00	70.06 2.62 0.00	59.27 1.94 0.00	49.31 1.85 0.00
BRADY___115KV_TB2 356060	52.11 0.98 0.00	47.40 0.44 0.00	39.95 0.17 0.00	40.19 0.30 0.00	36.04 0.26 0.00	41.03 0.33 0.00	44.16 0.75 0.00	36.87 0.49 0.00	38.56 0.46 0.00	40.51 0.52 0.00	48.73 0.60 0.00	47.59 0.33 0.00	51.82 0.20 0.00	49.87 0.08 0.00	49.96 0.00 0.00	46.58 -0.51 0.00	52.72 -0.71 0.00	47.94 -0.95 0.00	46.04 -1.03 0.00	95.05 -0.29 0.00	55.01 0.28 0.00	68.39 0.95 0.00	58.43 1.11 0.00	48.45 0.99 0.00
BRANSCOMB___SOLAR 323811	53.54 2.42 0.00	49.55 2.58 0.00	42.09 2.31 0.00	42.06 2.16 0.00	37.81 2.02 0.00	43.01 2.31 0.00	45.77 2.36 0.00	38.20 1.82 0.00	39.80 1.70 0.00	41.45 1.46 0.00	49.53 1.40 0.00	48.66 1.40 0.00	52.93 1.32 0.00	51.19 1.40 0.00	51.46 1.51 0.00	48.92 1.83 0.00	55.46 2.02 0.00	51.19 2.31 0.00	49.75 2.67 0.00	100.07 4.73 0.00	57.80 3.09 0.00	70.96 3.53 0.00	59.89 2.57 0.00	49.38 1.92 0.00
BRDGHMPT_69_KV_BK1 55812	53.95 2.82 0.00	50.48 3.51 0.00	42.82 3.04 0.00	42.47 2.58 0.00	38.25 2.46 0.00	44.21 3.51 0.00	46.71 3.30 0.00	39.25 2.87 0.00	39.00 2.79 1.89	41.21 3.21 2.00	49.89 4.05 2.29	49.24 3.99 2.01	45.43 4.08 10.27	48.50 4.06 5.35	49.20 3.81 4.57	48.74 4.11 2.47	47.74 4.87 10.56	30.68 4.61 22.83	47.63 4.28 3.72	48.74 7.51 54.11	30.32 4.15 28.55	28.06 4.57 43.94	24.15 3.44 36.62	23.50 2.52 26.49



BRENTWOD_69_KV_W. BRTWOOD 56703	53.65 2.52 0.00	50.49 3.52 0.00	42.85 3.07 0.00	42.75 2.85 0.00	38.33 2.54 0.00	43.76 3.06 0.00	46.18 2.77 0.00	38.63 2.25 0.00	38.24 1.99 1.86	40.27 2.23 1.96	48.66 2.79 2.25	48.06 2.77 1.97	44.51 2.96 10.07	47.57 3.02 5.24	48.41 2.94 4.48	47.75 3.09 2.42	46.49 3.41 10.36	30.02 3.51 22.37	46.61 3.18 3.64	46.84 4.56 53.06	29.28 2.54 27.99	27.17 2.83 43.09	23.53 2.10 35.89	23.39 1.89 25.96
BRISTLHL_115KV_TB1 79998	50.85 -0.81 -0.54	46.99 -0.66 -0.68	39.39 -0.39 0.00	39.42 -0.47 0.00	35.28 -0.50 0.00	40.13 -0.57 0.00	42.69 -0.84 -0.12	35.66 -0.72 0.00	37.37 -0.74 0.00	39.28 -0.71 0.00	47.32 -0.81 0.00	46.52 -0.74 0.00	50.90 -0.72 0.00	49.12 -0.67 0.00	49.19 -0.77 0.00	46.46 -0.64 0.00	52.96 -0.47 0.00	48.52 -0.37 0.00	47.00 -0.08 0.00	96.59 -0.37 -1.63	54.42 -0.30 0.00	67.81 -0.76 -1.13	57.45 -0.74 -0.86	46.85 -0.61 0.00
BROOKHAVEN___DRP 24191	52.92 1.80 0.00	49.79 2.82 0.00	42.26 2.48 0.00	42.11 2.21 0.00	37.75 1.97 0.00	43.19 2.49 0.00	45.59 2.18 0.00	38.19 1.81 0.00	37.80 1.59 1.89	39.80 1.80 2.00	48.17 2.33 2.29	47.59 2.34 2.01	43.76 2.41 10.27	46.90 2.46 5.36	47.80 2.42 4.58	47.42 2.80 2.47	45.92 3.05 10.57	29.35 3.29 22.84	46.32 2.97 3.72	45.49 4.28 54.13	28.56 2.40 28.56	25.95 2.48 43.96	22.56 1.87 36.63	22.53 1.56 26.50
BROOKLYN_NAVY_YARD 23515	54.11 2.99 0.00	50.23 3.26 0.00	42.73 2.95 0.00	42.72 2.82 0.00	38.39 2.60 0.00	43.59 2.89 0.00	46.32 2.91 0.00	38.94 2.55 0.00	40.75 2.65 0.00	42.90 2.91 0.00	51.64 3.51 0.00	50.78 3.52 0.00	55.39 3.76 0.00	53.64 3.76 -0.09	53.39 3.43 0.00	50.84 3.74 0.00	57.73 4.28 -0.01	53.15 4.16 -0.11	51.17 3.82 -0.28	102.43 5.87 -1.23	58.22 3.21 -0.28	70.97 3.44 -0.09	59.98 2.66 0.00	50.02 2.56 0.00
BROOKLYN___ARMY_DRP 323595	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
BROOME_2_LFGE 323671	51.61 0.48 0.00	47.62 0.66 0.00	40.41 0.63 0.00	40.46 0.56 0.00	36.15 0.36 0.00	41.14 0.45 0.00	43.52 0.11 0.00	36.39 0.01 0.00	38.14 0.04 0.00	40.10 0.11 0.00	48.39 0.27 0.00	47.63 0.37 0.00	52.37 0.75 0.00	50.47 0.67 0.00	50.34 0.39 0.00	47.57 0.48 0.00	54.44 1.00 0.00	49.68 0.79 0.00	48.36 1.29 0.00	97.72 2.39 0.00	55.77 1.05 0.00	68.17 0.74 0.00	57.89 0.57 0.00	47.97 0.51 0.00
BROOME___LFGE 323600	51.61 0.48 0.00	47.62 0.66 0.00	40.41 0.63 0.00	40.46 0.56 0.00	36.15 0.36 0.00	41.14 0.45 0.00	43.52 0.11 0.00	36.39 0.01 0.00	38.14 0.04 0.00	40.10 0.11 0.00	48.39 0.27 0.00	47.63 0.37 0.00	52.37 0.75 0.00	50.47 0.67 0.00	50.34 0.39 0.00	47.57 0.48 0.00	54.44 1.00 0.00	49.68 0.79 0.00	48.36 1.29 0.00	97.72 2.39 0.00	55.77 1.05 0.00	68.17 0.74 0.00	57.89 0.57 0.00	47.97 0.51 0.00
BROWNFLS_115KV_TB_3_5 80003	51.65 0.45 -0.08	47.37 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.67 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.69 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
BROWNSV1_27_KV_LOAD 356125	54.87 3.74 0.00	50.91 3.94 0.00	43.29 3.51 0.00	43.27 3.37 0.00	38.88 3.09 0.00	44.14 3.44 0.00	46.91 3.50 0.00	39.40 3.02 0.00	41.25 3.15 0.00	43.43 3.44 0.00	52.33 4.21 0.00	51.47 4.21 0.00	56.17 4.54 0.00	54.28 4.49 0.00	54.12 4.16 0.00	51.54 4.45 0.00	58.54 5.11 0.00	53.76 4.88 0.00	51.60 4.52 0.00	102.71 7.37 0.00	58.76 4.04 0.00	71.87 4.44 0.00	60.82 3.50 0.00	50.70 3.24 0.00
BURROWS___LYONSDAL 23803	51.99 0.81 -0.06	47.93 0.90 -0.07	40.45 0.67 0.00	40.51 0.61 0.00	36.30 0.51 0.00	41.22 0.52 0.00	43.92 0.50 -0.01	36.92 0.53 0.00	38.65 0.54 0.00	40.57 0.57 0.00	48.69 0.56 0.00	47.55 0.29 0.00	51.89 0.27 0.00	50.32 0.53 0.00	50.51 0.56 0.00	47.52 0.43 0.00	53.75 0.31 0.00	49.36 0.47 0.00	47.87 0.80 0.00	97.43 1.93 -0.17	55.85 1.13 0.00	68.96 1.41 -0.12	58.26 0.85 -0.09	47.85 0.39 0.00
CAITHNESS_CC_1 323624	52.89 1.77 0.00	49.78 2.81 0.00	42.26 2.47 0.00	42.12 2.22 0.00	37.75 1.96 0.00	43.17 2.47 0.00	45.56 2.15 0.00	38.16 1.77 0.00	37.74 1.53 1.90	39.75 1.75 2.00	48.07 2.24 2.29	47.52 2.27 2.01	43.66 2.32 10.28	46.82 2.38 5.36	47.71 2.33 4.58	47.35 2.73 2.47	45.81 2.94 10.57	29.16 3.12 22.85	46.17 2.82 3.72	45.15 3.96 54.15	28.36 2.21 28.57	25.73 2.27 43.98	22.33 1.66 36.65	22.40 1.45 26.51
CALPINE BETH_PAGE_GT4 24209	53.89 2.76 0.00	50.45 3.48 0.00	42.80 3.01 0.00	42.72 2.83 0.00	38.34 2.55 0.00	43.70 3.00 0.00	46.20 2.78 0.00	38.69 2.30 0.00	38.72 2.00 1.38	40.77 2.24 1.46	49.26 2.81 1.68	48.57 2.78 1.47	47.19 2.98 7.41	48.97 3.00 3.82	49.51 2.81 3.26	48.44 3.16 1.81	49.42 3.56 7.57	36.25 3.61 16.24	47.67 3.24 2.65	60.97 4.80 39.17	36.84 2.57 20.45	38.55 2.69 31.58	33.30 2.06 26.09	30.70 2.11 18.87
CALPINE_BETH_PAGE_GT_4 323586	53.88 2.75 0.00	50.44 3.48 0.00	42.79 3.01 0.00	42.72 2.83 0.00	38.34 2.55 0.00	43.69 2.99 0.00	46.20 2.78 0.00	38.69 2.30 0.00	38.71 2.00 1.38	40.77 2.24 1.46	49.25 2.79 1.68	48.58 2.79 1.47	47.17 2.96 7.41	48.94 2.97 3.82	49.48 2.78 3.26	48.44 3.15 1.81	49.40 3.54 7.57	36.21 3.57 16.24	47.66 3.24 2.65	60.96 4.79 39.17	36.83 2.55 20.45	38.54 2.69 31.58	33.28 2.04 26.09	30.68 2.09 18.87
CALPINE_BP_GT1 23823	53.88 2.75 0.00	50.44 3.48 0.00	42.79 3.01 0.00	42.72 2.83 0.00	38.34 2.55 0.00	43.69 2.99 0.00	46.20 2.78 0.00	38.69 2.30 0.00	38.71 2.00 1.38	40.77 2.24 1.46	49.25 2.79 1.68	48.58 2.79 1.47	47.17 2.96 7.41	48.94 2.97 3.82	49.48 2.78 3.26	48.44 3.15 1.81	49.40 3.54 7.57	36.21 3.57 16.24	47.66 3.24 2.65	60.96 4.79 39.17	36.83 2.55 20.45	38.54 2.69 31.58	33.28 2.04 26.09	30.68 2.09 18.87
CALSPAN___DRP 24200	50.95 -0.18 0.00	46.82 -0.14 0.00	39.64 -0.14 0.00	39.65 -0.25 0.00	35.13 -0.65 0.00	39.96 -0.74 0.00	41.67 -1.74 0.00	34.64 -1.75 0.00	36.71 -1.39 0.00	39.17 -0.82 0.00	47.72 -0.41 0.00	47.43 0.18 0.00	52.63 1.02 0.00	50.12 0.33 0.00	49.70 -0.26 0.00	46.63 -0.47 0.00	54.01 0.58 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.93 0.00	54.99 0.27 0.00	66.74 -0.70 0.00	57.45 0.13 0.00	47.88 0.42 0.00



CALVERTON___SOLAR 323806	53.03 1.90 0.00	49.85 2.89 0.00	42.31 2.52 0.00	42.13 2.24 0.00	37.79 2.00 0.00	43.28 2.58 0.00	45.70 2.29 0.00	38.29 1.91 0.00	37.91 1.70 1.89	39.94 1.95 2.00	48.33 2.49 2.29	47.77 2.52 2.01	43.89 2.54 10.27	47.02 2.57 5.35	47.91 2.53 4.57	47.56 2.94 2.47	46.09 3.22 10.57	29.48 3.43 22.83	46.52 3.17 3.72	45.96 4.74 54.12	28.79 2.63 28.56	26.23 2.76 43.95	22.74 2.05 36.63	22.64 1.68 26.50
CANDIGU_WT_PWR 323617	51.06 -0.07 0.00	47.21 0.25 0.00	39.93 0.15 0.00	40.00 0.10 0.00	35.54 -0.24 0.00	40.46 -0.23 0.00	42.37 -1.04 0.00	35.06 -1.31 0.01	36.72 -1.38 0.00	38.71 -1.29 0.00	47.03 -1.10 0.00	46.42 -0.84 0.00	51.19 -0.43 0.00	48.69 -1.11 0.00	48.59 -1.36 0.00	45.86 -1.23 0.00	53.21 -0.23 0.00	48.35 -0.54 0.00	47.55 0.48 0.00	97.30 1.96 0.00	55.44 0.72 0.00	67.46 0.03 0.00	57.23 -0.09 0.00	47.24 -0.22 0.00
CARR STREET_E_SYR 24060	50.86 -0.27 0.00	46.84 -0.13 0.00	39.74 -0.04 0.00	39.77 -0.12 0.00	35.62 -0.17 0.00	40.49 -0.20 0.00	42.93 -0.49 0.00	35.94 -0.44 0.00	37.67 -0.43 0.00	39.63 -0.37 0.00	47.81 -0.32 0.00	47.06 -0.19 0.00	51.58 -0.04 0.00	49.72 -0.07 0.00	49.73 -0.22 0.00	46.95 -0.15 0.00	53.68 0.24 0.00	49.13 0.24 0.00	47.62 0.54 0.00	96.11 0.77 0.00	55.02 0.29 0.00	67.37 -0.07 0.00	57.16 -0.16 0.00	47.29 -0.17 0.00
CARTHAGE___PAPER 23857	52.31 1.00 -0.18	48.25 1.05 -0.23	40.47 0.69 0.00	40.53 0.64 0.00	36.33 0.54 0.00	41.17 0.47 0.00	44.02 0.56 -0.04	36.97 0.59 0.00	38.86 0.75 0.00	40.73 0.74 0.00	48.66 0.54 0.00	47.10 -0.16 0.00	51.39 -0.23 0.00	49.89 0.09 0.00	50.01 0.05 0.00	46.83 -0.26 0.00	52.78 -0.65 0.00	48.49 -0.40 0.00	47.22 0.15 0.00	97.12 1.24 -0.54	55.75 1.03 0.00	69.39 1.58 -0.38	58.50 0.89 -0.29	47.86 0.40 0.00
CASSADAGA_WT_PWR 323784	51.92 0.79 0.00	47.83 0.86 0.00	40.44 0.66 0.00	40.48 0.58 0.00	35.91 0.12 0.00	41.00 0.31 0.00	42.90 -0.51 0.00	36.07 -0.32 0.00	38.23 0.13 0.00	40.63 0.64 0.00	49.42 1.29 0.00	48.29 1.04 0.00	53.56 1.94 0.00	50.98 1.18 0.00	50.53 0.58 0.00	47.51 0.42 0.00	55.29 1.86 0.00	49.88 0.99 0.00	48.88 1.80 0.00	99.24 3.90 0.00	55.84 1.12 0.00	68.28 0.85 0.00	58.44 1.12 0.00	48.56 1.10 0.00
CE_DUNWOOD___DRP 24194	53.89 2.76 0.00	50.00 3.03 0.00	42.52 2.74 0.00	42.51 2.62 0.00	38.21 2.42 0.00	43.40 2.70 0.00	46.09 2.68 0.00	38.67 2.28 0.00	40.44 2.33 0.00	42.52 2.53 0.00	51.23 3.11 0.00	50.36 3.10 0.00	54.95 3.33 0.00	53.10 3.31 0.00	52.99 3.03 0.00	50.44 3.34 0.00	57.26 3.83 0.00	52.62 3.73 0.00	50.57 3.50 0.00	100.74 5.40 0.00	57.68 2.95 0.00	70.60 3.16 0.00	59.72 2.40 0.00	49.71 2.25 0.00
CE_MILLWOOD___DRP 24193	53.76 2.63 0.00	49.87 2.91 0.00	42.42 2.64 0.00	42.43 2.53 0.00	38.13 2.34 0.00	43.30 2.60 0.00	45.98 2.57 0.00	38.56 2.18 0.00	40.32 2.22 0.00	42.39 2.40 0.00	51.07 2.95 0.00	50.21 2.95 0.00	54.79 3.17 0.00	52.95 3.16 0.00	52.84 2.88 0.00	50.28 3.19 0.00	57.08 3.64 0.00	52.46 3.58 0.00	50.45 3.37 0.00	100.50 5.16 0.00	57.56 2.84 0.00	70.46 3.03 0.00	59.59 2.28 0.00	49.60 2.15 0.00
CE_NYC2_DRP 24202	54.08 2.95 0.00	50.24 3.28 0.00	42.69 2.91 0.00	42.70 2.81 0.00	38.38 2.60 0.00	43.60 2.90 0.00	46.33 2.92 0.00	38.94 2.56 0.00	40.77 2.67 0.00	42.90 2.90 0.00	51.70 3.58 0.00	50.80 3.54 0.00	55.43 3.81 0.00	53.62 3.83 0.00	53.45 3.49 0.00	50.91 3.81 0.00	57.78 4.35 0.00	52.99 4.10 0.00	50.78 3.71 0.00	101.01 5.67 0.00	57.81 3.08 0.00	70.74 3.31 0.00	59.88 2.55 0.00	50.11 2.65 0.00
CE_NYC_DRP 24195	54.23 3.10 0.00	50.34 3.37 0.00	42.82 3.04 0.00	42.80 2.91 0.00	38.46 2.68 0.00	43.68 2.98 0.00	46.41 2.99 0.00	38.99 2.61 0.00	40.81 2.71 0.00	42.96 2.97 0.00	51.76 3.63 0.00	50.88 3.62 0.00	55.51 3.89 0.00	53.66 3.87 0.00	53.50 3.54 0.00	50.94 3.85 0.00	57.84 4.40 0.00	53.13 4.24 0.00	50.99 3.91 0.00	101.41 6.07 0.00	58.05 3.32 0.00	71.00 3.57 0.00	60.08 2.76 0.00	50.10 2.64 0.00
CHAFFEE___LFGE 323603	51.18 0.06 0.00	47.00 0.03 0.00	39.75 -0.03 0.00	39.77 -0.13 0.00	35.25 -0.54 0.00	40.10 -0.60 0.00	41.85 -1.56 0.00	34.83 -1.56 0.00	36.92 -1.19 0.00	39.35 -0.64 0.00	47.94 -0.19 0.00	47.64 0.38 0.00	52.92 1.30 0.00	50.37 0.58 0.00	49.94 -0.01 0.00	46.88 -0.21 0.00	54.33 0.89 0.00	49.23 0.34 0.00	48.22 1.15 0.00	97.84 2.50 0.00	55.31 0.58 0.00	67.10 -0.34 0.00	57.71 0.39 0.00	48.08 0.62 0.00
CHATEAUG_35_KV_LOAD 355732	50.90 -0.22 0.00	45.99 -0.98 0.00	38.77 -1.01 0.00	39.02 -0.88 0.00	34.99 -0.80 0.00	39.93 -0.77 0.00	43.10 -0.31 0.00	36.19 -0.19 0.00	37.87 -0.23 0.00	39.79 -0.20 0.00	48.03 -0.10 0.00	46.87 -0.39 0.00	50.91 -0.71 0.00	48.90 -0.90 0.00	49.00 -0.96 0.00	45.74 -1.35 0.00	51.86 -1.58 0.00	47.40 -1.49 0.00	45.36 -1.72 0.00	93.12 -2.21 0.00	53.63 -1.10 0.00	66.52 -0.91 0.00	56.33 -0.99 0.00	46.51 -0.96 0.00
CHATEAUG_WT_PWR 323614	50.84 -0.29 0.00	45.97 -0.99 0.00	38.76 -1.02 0.00	38.99 -0.90 0.00	34.99 -0.80 0.00	39.92 -0.78 0.00	43.06 -0.35 0.00	36.20 -0.19 0.00	37.86 -0.24 0.00	39.77 -0.22 0.00	48.01 -0.12 0.00	46.86 -0.40 0.00	50.90 -0.72 0.00	48.85 -0.94 0.00	48.95 -1.01 0.00	45.73 -1.37 0.00	51.83 -1.60 0.00	47.40 -1.49 0.00	45.37 -1.71 0.00	93.05 -2.29 0.00	53.47 -1.25 0.00	66.30 -1.14 0.00	56.18 -1.14 0.00	46.45 -1.02 0.00
CHAT_HIGH_FALL_HYD 323578	50.90 -0.22 0.00	45.99 -0.98 0.00	38.77 -1.01 0.00	39.02 -0.88 0.00	34.99 -0.80 0.00	39.93 -0.77 0.00	43.10 -0.31 0.00	36.19 -0.19 0.00	37.87 -0.23 0.00	39.79 -0.20 0.00	48.03 -0.10 0.00	46.87 -0.39 0.00	50.91 -0.71 0.00	48.90 -0.90 0.00	49.00 -0.96 0.00	45.74 -1.35 0.00	51.86 -1.58 0.00	47.40 -1.49 0.00	45.36 -1.72 0.00	93.12 -2.21 0.00	53.63 -1.10 0.00	66.52 -0.91 0.00	56.33 -0.99 0.00	46.51 -0.96 0.00
CHAUTAUQUA___LFGE 323629	51.49 0.37 0.00	47.42 0.46 0.00	40.09 0.31 0.00	40.14 0.25 0.00	35.59 -0.20 0.00	40.57 -0.13 0.00	42.39 -1.02 0.00	35.27 -1.12 0.00	37.35 -0.75 0.00	39.72 -0.27 0.00	48.34 0.22 0.00	47.70 0.44 0.00	53.02 1.40 0.00	50.49 0.70 0.00	50.03 0.07 0.00	47.00 -0.10 0.00	54.66 1.22 0.00	49.50 0.61 0.00	48.57 1.50 0.00	98.66 3.33 0.00	55.58 0.86 0.00	67.68 0.25 0.00	58.05 0.73 0.00	48.29 0.83 0.00
CHERRYST_13_KV_LD 356241	54.41 3.28 0.00	50.50 3.54 0.00	42.95 3.17 0.00	42.94 3.05 0.00	38.60 2.81 0.00	43.82 3.13 0.00	46.58 3.17 0.00	39.15 2.77 0.00	40.98 2.88 0.00	43.15 3.16 0.00	52.00 3.88 0.00	51.14 3.88 0.00	55.78 4.16 0.00	53.92 4.13 0.00	53.76 3.81 0.00	51.20 4.11 0.00	58.14 4.70 0.00	53.39 4.50 0.00	51.22 4.15 0.00	101.82 6.48 0.00	58.26 3.54 0.00	71.25 3.82 0.00	60.27 2.95 0.00	50.27 2.81 0.00



CHESTROR_138KV_BK263 355645	53.43 2.30 0.00	49.50 2.54 0.00	42.11 2.33 0.00	42.13 2.24 0.00	37.87 2.08 0.00	42.98 2.28 0.00	45.62 2.21 0.00	38.23 1.84 0.00	39.98 1.87 0.00	42.01 2.02 0.00	50.59 2.47 0.00	49.75 2.49 0.00	54.27 2.65 0.00	52.43 2.63 0.00	52.31 2.35 0.00	49.65 2.56 0.00	56.44 3.00 0.00	51.89 3.01 0.00	49.98 2.91 0.00	99.86 4.52 0.00	57.19 2.47 0.00	70.02 2.59 0.00	59.25 1.93 0.00	49.23 1.77 0.00
CH_MIDHUDSON___DRP 24192	53.75 2.62 0.00	49.81 2.85 0.00	42.37 2.59 0.00	42.35 2.46 0.00	38.06 2.27 0.00	43.23 2.53 0.00	45.93 2.52 0.00	38.54 2.16 0.00	40.33 2.23 0.00	42.37 2.38 0.00	50.99 2.86 0.00	50.14 2.88 0.00	54.66 3.04 0.00	52.84 3.05 0.00	52.82 2.86 0.00	50.27 3.18 0.00	57.06 3.62 0.00	52.47 3.58 0.00	50.52 3.44 0.00	100.73 5.39 0.00	57.68 2.96 0.00	70.67 3.23 0.00	59.78 2.46 0.00	49.63 2.17 0.00
CH_MISC_IPPS 23765	54.16 3.03 0.00	50.17 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.53 2.84 0.00	46.25 2.84 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.70 0.00	51.42 3.29 0.00	50.58 3.33 0.00	55.14 3.52 0.00	53.29 3.50 0.00	53.26 3.30 0.00	50.66 3.57 0.00	57.58 4.15 0.00	52.96 4.07 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.23 2.91 0.00	50.00 2.54 0.00
CH_RES_BVR_FALLS 23983	50.81 -0.31 0.00	46.60 -0.36 0.00	39.41 -0.37 0.00	39.52 -0.37 0.00	35.40 -0.38 0.00	40.25 -0.45 0.00	43.06 -0.35 0.00	36.23 -0.16 0.00	37.99 -0.12 0.00	39.92 -0.07 0.00	48.05 -0.08 0.00	47.08 -0.18 0.00	51.39 -0.23 0.00	49.56 -0.23 0.00	49.72 -0.24 0.00	46.69 -0.40 0.00	52.89 -0.54 0.00	48.34 -0.54 0.00	46.45 -0.62 0.00	94.33 -1.01 0.00	54.04 -0.68 0.00	66.75 -0.68 0.00	56.76 -0.56 0.00	46.95 -0.51 0.00
CH_RES_NIAGARA 23895	49.44 -1.69 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.25 -1.54 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.82 0.00	35.66 -2.44 0.00	38.16 -1.84 0.00	46.51 -1.62 0.00	46.37 -0.89 0.00	51.44 -0.18 0.00	48.86 -0.94 0.00	48.46 -1.50 0.00	45.07 -2.03 0.00	52.12 -1.31 0.00	47.23 -1.66 0.00	46.17 -0.90 0.00	93.54 -1.79 0.00	52.98 -1.74 0.00	64.25 -3.18 0.00	55.78 -1.54 0.00	46.79 -0.67 0.00
CH_RES_SYRACUSE 23985	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.03 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.27 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.87 0.44 0.00	49.34 0.45 0.00	47.83 0.75 0.00	97.31 1.33 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.08 0.00
CLINTON_WT_PWR 323605	50.84 -0.29 0.00	45.97 -0.99 0.00	38.76 -1.02 0.00	38.99 -0.90 0.00	34.99 -0.80 0.00	39.92 -0.78 0.00	43.06 -0.35 0.00	36.20 -0.19 0.00	37.86 -0.24 0.00	39.77 -0.22 0.00	48.01 -0.12 0.00	46.86 -0.40 0.00	50.90 -0.72 0.00	48.85 -0.94 0.00	48.95 -1.01 0.00	45.73 -1.37 0.00	51.83 -1.60 0.00	47.40 -1.49 0.00	45.37 -1.71 0.00	93.05 -2.29 0.00	53.47 -1.25 0.00	66.30 -1.14 0.00	56.18 -1.14 0.00	46.45 -1.02 0.00
CLINTON___LFGE 323618	51.34 0.22 0.00	46.42 -0.54 0.00	39.11 -0.67 0.00	39.29 -0.60 0.00	35.25 -0.54 0.00	40.26 -0.44 0.00	43.43 0.02 0.00	36.48 0.10 0.00	38.01 -0.09 0.00	39.89 -0.10 0.00	48.27 0.14 0.00	47.08 -0.18 0.00	51.13 -0.49 0.00	48.97 -0.83 0.00	48.98 -0.98 0.00	45.73 -1.36 0.00	51.85 -1.59 0.00	47.52 -1.37 0.00	45.46 -1.61 0.00	93.48 -1.85 0.00	53.90 -0.82 0.00	66.74 -0.70 0.00	56.54 -0.78 0.00	46.87 -0.59 0.00
COBBLENY_34_KV_TB1 80064	51.18 0.06 0.00	47.00 0.03 0.00	39.75 -0.03 0.00	39.77 -0.13 0.00	35.24 -0.54 0.00	40.10 -0.60 0.00	41.85 -1.56 0.00	34.83 -1.55 0.00	36.92 -1.19 0.00	39.35 -0.65 0.00	47.93 -0.19 0.00	47.66 0.40 0.00	52.91 1.30 0.00	50.37 0.58 0.00	49.95 -0.01 0.00	46.86 -0.23 0.00	54.33 0.89 0.00	49.23 0.34 0.00	48.22 1.15 0.00	97.85 2.51 0.00	55.31 0.59 0.00	67.09 -0.35 0.00	57.71 0.39 0.00	48.08 0.62 0.00
COFFEEN___115KV_TB3 355620	52.68 1.34 -0.22	48.66 1.41 -0.28	40.75 0.97 0.00	40.75 0.86 0.00	36.53 0.74 0.00	41.36 0.67 0.00	44.19 0.73 -0.05	37.04 0.65 0.00	38.88 0.78 0.00	40.78 0.78 0.00	48.75 0.62 0.00	46.95 -0.30 0.00	51.37 -0.25 0.00	49.73 -0.07 0.00	49.84 -0.12 0.00	46.66 -0.43 0.00	52.61 -0.82 0.00	48.39 -0.50 0.00	47.28 0.20 0.00	97.47 1.46 -0.67	56.17 1.45 0.00	70.09 2.18 -0.47	58.99 1.32 -0.36	48.13 0.67 0.00
COLDSPRG_115KV_BK1 355956	52.13 1.01 0.00	47.93 0.97 0.00	40.52 0.74 0.00	40.60 0.70 0.00	36.05 0.27 0.00	41.10 0.41 0.00	43.14 -0.27 0.00	36.42 0.04 0.00	38.53 0.42 0.00	40.90 0.91 0.00	49.65 1.53 0.00	48.38 1.13 0.00	53.53 1.91 0.00	51.06 1.26 0.00	50.60 0.64 0.00	47.55 0.45 0.00	55.24 1.80 0.00	49.72 0.83 0.00	48.75 1.68 0.00	98.96 3.63 0.00	55.80 1.08 0.00	68.42 0.99 0.00	58.64 1.32 0.00	48.86 1.40 0.00
COLONIE_LFGE___ 323577	52.74 1.62 0.00	48.84 1.88 0.00	41.53 1.75 0.00	41.49 1.60 0.00	37.32 1.53 0.00	42.40 1.70 0.00	45.13 1.72 0.00	37.77 1.39 0.00	39.42 1.32 0.00	41.14 1.15 0.00	49.24 1.11 0.00	48.41 1.15 0.00	52.64 1.03 0.00	50.96 1.17 0.00	51.19 1.23 0.00	48.64 1.55 0.00	54.93 1.50 0.00	50.60 1.72 0.00	48.88 1.80 0.00	97.99 2.65 0.00	56.63 1.90 0.00	69.64 2.21 0.00	58.87 1.55 0.00	48.63 1.17 0.00
COOPERNY_115KV_TB1 80082	53.05 1.92 0.00	49.11 2.15 0.00	41.79 2.01 0.00	41.82 1.92 0.00	37.56 1.78 0.00	42.64 1.95 0.00	45.23 1.82 0.00	37.87 1.49 0.00	39.60 1.50 0.00	41.62 1.63 0.00	50.16 2.03 0.00	49.32 2.06 0.00	53.85 2.23 0.00	51.99 2.20 0.00	51.75 1.79 0.00	48.98 1.89 0.00	55.64 2.21 0.00	51.09 2.20 0.00	49.26 2.19 0.00	98.71 3.38 0.00	56.56 1.84 0.00	69.29 1.86 0.00	58.70 1.38 0.00	48.75 1.29 0.00
COPENHAGEN_WT_PWR 323753	51.58 0.22 -0.24	47.77 0.51 -0.30	40.00 0.22 0.00	40.03 0.13 0.00	35.89 0.10 0.00	40.55 -0.15 0.00	43.38 -0.09 -0.05	36.45 0.07 0.00	38.40 0.29 0.00	40.33 0.34 0.00	48.18 0.05 0.00	46.52 -0.74 0.00	50.86 -0.76 0.00	49.40 -0.40 0.00	49.52 -0.44 0.00	46.39 -0.70 0.00	52.20 -1.23 0.00	48.00 -0.89 0.00	46.75 -0.33 0.00	96.06 0.01 -0.71	55.00 0.28 0.00	68.49 0.57 -0.49	57.58 -0.11 -0.38	47.06 -0.40 0.00
CORNELL_____ 23752	52.33 1.21 0.00	48.19 1.22 0.00	40.84 1.06 0.00	40.86 0.96 0.00	36.54 0.75 0.00	41.61 0.91 0.00	44.10 0.69 0.00	36.85 0.46 0.00	38.44 0.34 0.00	40.30 0.31 0.00	48.52 0.40 0.00	47.71 0.45 0.00	52.41 0.79 0.00	50.50 0.71 0.00	50.57 0.61 0.00	47.77 0.67 0.00	54.71 1.27 0.00	50.10 1.22 0.00	48.95 1.88 0.00	99.46 4.12 0.00	56.97 2.25 0.00	69.65 2.22 0.00	58.97 1.65 0.00	48.71 1.25 0.00



CORONA V_69_KV_TB1 355595	54.16 3.03 0.00	50.54 3.57 0.00	42.88 3.10 0.00	42.83 2.93 0.00	38.44 2.66 0.00	43.78 3.08 0.00	46.32 2.91 0.00	38.79 2.41 0.00	40.22 2.31 0.19	42.37 2.57 0.20	51.14 3.25 0.23	50.28 3.22 0.20	54.62 3.47 0.46	53.36 3.54 -0.02	53.25 3.29 0.00	50.46 3.60 0.23	57.33 4.15 0.26	53.20 4.09 -0.22	51.07 3.73 -0.26	99.11 5.78 2.01	57.57 3.14 0.29	69.47 3.35 1.30	59.98 2.67 0.00	49.94 2.48 0.00
CORTLAND_115KV_TB3 80093	51.85 0.73 0.00	47.78 0.81 0.00	40.52 0.74 0.00	40.55 0.66 0.00	36.30 0.51 0.00	41.30 0.60 0.00	43.77 0.36 0.00	36.61 0.22 0.00	38.27 0.17 0.00	40.16 0.16 0.00	48.40 0.28 0.00	47.62 0.36 0.00	52.25 0.63 0.00	50.41 0.61 0.00	50.45 0.49 0.00	47.66 0.57 0.00	54.45 1.02 0.00	49.82 0.93 0.00	48.46 1.39 0.00	98.18 2.84 0.00	56.21 1.48 0.00	68.82 1.39 0.00	58.30 0.98 0.00	48.20 0.74 0.00
COXSACKIE__GT 23611	53.81 2.69 0.00	49.69 2.73 0.00	42.24 2.46 0.00	42.19 2.30 0.00	38.00 2.21 0.00	43.07 2.37 0.00	45.76 2.35 0.00	38.38 2.00 0.00	39.94 1.84 0.00	41.35 1.36 0.00	49.25 1.12 0.00	48.56 1.30 0.00	52.87 1.25 0.00	51.17 1.38 0.00	51.56 1.60 0.00	48.83 1.74 0.00	55.52 2.08 0.00	51.40 2.51 0.00	49.90 2.83 0.00	100.72 5.38 0.00	58.24 3.52 0.00	71.57 4.14 0.00	60.28 2.96 0.00	49.55 2.09 0.00
CPV_VALLEY__CC1 323721	53.03 1.91 0.00	49.14 2.18 0.00	41.82 2.04 0.00	41.85 1.95 0.00	37.60 1.82 0.00	42.66 1.96 0.00	45.28 1.87 0.00	37.94 1.55 0.00	39.67 1.57 0.00	41.69 1.70 0.00	50.22 2.09 0.00	49.37 2.11 0.00	53.87 2.25 0.00	52.04 2.25 0.00	51.88 1.92 0.00	49.23 2.13 0.00	55.90 2.47 0.00	51.37 2.48 0.00	49.46 2.39 0.00	98.87 3.53 0.00	56.65 1.92 0.00	69.37 1.94 0.00	58.74 1.42 0.00	48.81 1.35 0.00
CPV_VALLEY__CC2 323722	53.03 1.91 0.00	49.14 2.18 0.00	41.82 2.04 0.00	41.85 1.95 0.00	37.60 1.82 0.00	42.66 1.96 0.00	45.28 1.87 0.00	37.94 1.55 0.00	39.67 1.57 0.00	41.69 1.70 0.00	50.22 2.09 0.00	49.37 2.11 0.00	53.87 2.25 0.00	52.04 2.25 0.00	51.88 1.92 0.00	49.23 2.13 0.00	55.90 2.47 0.00	51.37 2.48 0.00	49.46 2.39 0.00	98.87 3.53 0.00	56.65 1.92 0.00	69.37 1.94 0.00	58.74 1.42 0.00	48.81 1.35 0.00
CRESCENT__HYD 24018	52.74 1.62 0.00	48.84 1.88 0.00	41.53 1.75 0.00	41.49 1.60 0.00	37.32 1.53 0.00	42.40 1.70 0.00	45.13 1.72 0.00	37.77 1.39 0.00	39.42 1.32 0.00	41.14 1.15 0.00	49.24 1.11 0.00	48.41 1.15 0.00	52.64 1.03 0.00	50.96 1.17 0.00	51.19 1.23 0.00	48.64 1.55 0.00	54.93 1.50 0.00	50.60 1.72 0.00	48.88 1.80 0.00	97.99 2.65 0.00	56.63 1.90 0.00	69.64 2.21 0.00	58.87 1.55 0.00	48.63 1.17 0.00
CRICKET__VALLEY_CC1 323756	52.93 1.80 0.00	49.08 2.12 0.00	41.75 1.97 0.00	41.71 1.82 0.00	37.50 1.71 0.00	42.61 1.91 0.00	45.29 1.88 0.00	38.05 1.66 0.00	39.78 1.68 0.00	41.70 1.71 0.00	50.08 1.95 0.00	49.23 1.97 0.00	53.53 1.94 0.04	51.82 2.03 0.00	51.87 1.91 0.00	49.39 2.30 0.00	55.96 2.52 0.00	51.46 2.57 0.00	49.53 2.46 0.00	98.69 3.35 0.00	56.62 1.90 0.00	69.53 2.10 0.00	58.78 1.46 0.00	48.79 1.33 0.00
CRICKET__VALLEY_CC2 323757	52.93 1.80 0.00	49.08 2.12 0.00	41.75 1.97 0.00	41.71 1.82 0.00	37.50 1.71 0.00	42.61 1.91 0.00	45.29 1.88 0.00	38.05 1.66 0.00	39.78 1.68 0.00	41.70 1.71 0.00	50.08 1.95 0.00	49.23 1.97 0.00	53.53 1.94 0.04	51.82 2.03 0.00	51.87 1.91 0.00	49.39 2.30 0.00	55.96 2.52 0.00	51.46 2.57 0.00	49.53 2.46 0.00	98.69 3.35 0.00	56.62 1.90 0.00	69.53 2.10 0.00	58.78 1.46 0.00	48.79 1.33 0.00
CRICKET__VALLEY_CC3 323758	52.93 1.80 0.00	49.08 2.12 0.00	41.75 1.97 0.00	41.71 1.82 0.00	37.50 1.71 0.00	42.61 1.91 0.00	45.29 1.88 0.00	38.05 1.66 0.00	39.78 1.68 0.00	41.70 1.71 0.00	50.08 1.95 0.00	49.23 1.97 0.00	53.53 1.94 0.04	51.82 2.03 0.00	51.87 1.91 0.00	49.39 2.30 0.00	55.96 2.52 0.00	51.46 2.57 0.00	49.53 2.46 0.00	98.69 3.35 0.00	56.62 1.90 0.00	69.53 2.10 0.00	58.78 1.46 0.00	48.79 1.33 0.00
CRUCIBLE_METL_DRP 24180	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
DAHOWA__HYDRO 323763	53.78 2.65 0.00	49.76 2.79 0.00	42.26 2.48 0.00	42.23 2.34 0.00	37.97 2.18 0.00	43.20 2.50 0.00	46.00 2.58 0.00	38.38 2.00 0.00	39.98 1.88 0.00	41.63 1.63 0.00	49.68 1.55 0.00	48.80 1.54 0.00	53.08 1.47 0.00	51.35 1.56 0.00	51.64 1.68 0.00	49.11 2.02 0.00	55.69 2.26 0.00	51.44 2.55 0.00	50.07 3.00 0.00	100.74 5.40 0.00	58.18 3.46 0.00	71.40 3.96 0.00	60.20 2.88 0.00	49.61 2.15 0.00
DANC__LFGE 323619	51.35 -0.07 -0.30	47.49 0.15 -0.38	39.81 0.03 0.00	39.84 -0.06 0.00	35.69 -0.10 0.00	40.44 -0.26 0.00	43.15 -0.33 -0.07	36.18 -0.21 0.00	38.01 -0.09 0.00	39.93 -0.06 0.00	47.87 -0.26 0.00	46.51 -0.75 0.00	50.86 -0.76 0.00	49.26 -0.53 0.00	49.37 -0.59 0.00	46.39 -0.70 0.00	52.43 -1.01 0.00	48.12 -0.77 0.00	46.79 -0.28 0.00	96.01 -0.23 -0.90	54.73 0.01 0.00	68.11 0.04 -0.63	57.52 -0.28 -0.48	47.04 -0.42 0.00
DANSKAMMER__1 23586	54.16 3.03 0.00	50.17 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.53 2.84 0.00	46.25 2.84 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.70 0.00	51.42 3.29 0.00	50.58 3.33 0.00	55.14 3.52 0.00	53.29 3.50 0.00	53.26 3.30 0.00	50.66 3.57 0.00	57.58 4.15 0.00	52.96 4.07 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.23 2.91 0.00	50.00 2.54 0.00
DANSKAMMER__2 23589	54.16 3.03 0.00	50.17 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.53 2.84 0.00	46.25 2.84 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.70 0.00	51.42 3.29 0.00	50.58 3.33 0.00	55.14 3.52 0.00	53.29 3.50 0.00	53.26 3.30 0.00	50.66 3.57 0.00	57.58 4.15 0.00	52.96 4.07 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.23 2.91 0.00	50.00 2.54 0.00
DANSKAMMER__3 23590	54.16 3.03 0.00	50.17 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.53 2.84 0.00	46.25 2.84 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.70 0.00	51.42 3.29 0.00	50.58 3.33 0.00	55.14 3.52 0.00	53.29 3.50 0.00	53.26 3.30 0.00	50.66 3.57 0.00	57.58 4.15 0.00	52.96 4.07 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.23 2.91 0.00	50.00 2.54 0.00



DANSKAMMER___4 23591	54.16 3.03 0.00	50.17 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.53 2.84 0.00	46.25 2.84 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.70 0.00	51.42 3.29 0.00	50.58 3.33 0.00	55.14 3.52 0.00	53.29 3.50 0.00	53.26 3.30 0.00	50.66 3.57 0.00	57.58 4.15 0.00	52.96 4.07 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.23 2.91 0.00	50.00 2.54 0.00
DANSKAMMER___DIESEL 23592	54.16 3.03 0.00	50.16 3.20 0.00	42.66 2.88 0.00	42.65 2.76 0.00	38.32 2.54 0.00	43.54 2.84 0.00	46.24 2.83 0.00	38.82 2.44 0.00	40.63 2.53 0.00	42.70 2.71 0.00	51.42 3.29 0.00	50.58 3.32 0.00	55.14 3.52 0.00	53.30 3.50 0.00	53.26 3.30 0.00	50.65 3.56 0.00	57.58 4.14 0.00	52.97 4.08 0.00	51.02 3.94 0.00	101.78 6.44 0.00	58.23 3.51 0.00	71.27 3.84 0.00	60.24 2.92 0.00	50.00 2.54 0.00
DARBY___SOLAR 323810	53.54 2.41 0.00	49.55 2.58 0.00	42.07 2.29 0.00	42.05 2.16 0.00	37.80 2.02 0.00	43.00 2.30 0.00	45.76 2.35 0.00	38.19 1.81 0.00	39.79 1.69 0.00	41.44 1.45 0.00	49.48 1.35 0.00	48.61 1.35 0.00	52.89 1.28 0.00	51.17 1.37 0.00	51.45 1.49 0.00	48.92 1.83 0.00	55.47 2.04 0.00	51.21 2.33 0.00	49.77 2.69 0.00	100.09 4.75 0.00	57.82 3.10 0.00	70.96 3.53 0.00	59.88 2.56 0.00	49.38 1.91 0.00
DASHVILLE___HYD 23610	53.58 2.45 0.00	49.64 2.68 0.00	42.24 2.46 0.00	42.24 2.34 0.00	37.94 2.16 0.00	43.09 2.39 0.00	45.76 2.35 0.00	38.41 2.03 0.00	40.19 2.09 0.00	42.24 2.25 0.00	50.88 2.75 0.00	49.99 2.73 0.00	54.48 2.86 0.00	52.65 2.85 0.00	52.71 2.75 0.00	50.09 3.00 0.00	57.01 3.57 0.00	52.45 3.56 0.00	50.51 3.44 0.00	100.74 5.40 0.00	57.66 2.94 0.00	70.62 3.18 0.00	59.73 2.41 0.00	49.62 2.16 0.00
DELAWARE___LFGE 323621	52.87 1.74 0.00	48.82 1.86 0.00	41.53 1.74 0.00	41.54 1.64 0.00	37.22 1.44 0.00	42.34 1.64 0.00	44.88 1.47 0.00	37.50 1.11 0.00	39.23 1.13 0.00	41.22 1.22 0.00	49.70 1.57 0.00	48.84 1.59 0.00	53.44 1.82 0.00	51.57 1.78 0.00	51.51 1.56 0.00	48.69 1.60 0.00	55.34 1.90 0.00	50.71 1.82 0.00	49.01 1.94 0.00	98.73 3.40 0.00	56.60 1.88 0.00	69.36 1.93 0.00	58.87 1.55 0.00	48.83 1.36 0.00
DERFIELD_115KV_TB7 355931	51.34 0.21 0.00	47.30 0.33 0.00	40.11 0.33 0.00	40.18 0.28 0.00	36.06 0.28 0.00	40.98 0.28 0.00	43.62 0.21 0.00	36.53 0.15 0.00	38.22 0.11 0.00	40.09 0.10 0.00	48.22 0.10 0.00	47.37 0.12 0.00	51.73 0.11 0.00	49.94 0.15 0.00	50.08 0.12 0.00	47.31 0.22 0.00	53.65 0.22 0.00	49.18 0.30 0.00	47.41 0.33 0.00	95.74 0.40 0.00	54.99 0.27 0.00	67.66 0.22 0.00	57.44 0.11 0.00	47.56 0.09 0.00
DOGLEVILLE___HYD 23807	52.28 1.16 0.00	48.40 1.44 0.00	41.12 1.33 0.00	41.07 1.18 0.00	36.99 1.20 0.00	42.12 1.43 0.00	44.63 1.22 0.00	36.88 0.49 0.00	38.05 -0.05 0.00	39.40 -0.59 0.00	47.07 -1.06 0.00	46.26 -1.00 0.00	50.48 -1.14 0.00	49.05 -0.74 0.00	49.08 -0.88 0.00	46.87 -0.23 0.00	53.02 -0.41 0.00	49.18 0.29 0.00	48.20 1.12 0.00	97.62 2.29 0.00	56.55 1.83 0.00	69.76 2.32 0.00	58.69 1.37 0.00	48.31 0.85 0.00
DUNKIRK__115KV_TB_200 55889	51.39 0.26 0.00	47.33 0.37 0.00	40.02 0.24 0.00	40.07 0.18 0.00	35.52 -0.27 0.00	40.48 -0.21 0.00	42.30 -1.11 0.00	35.16 -1.23 0.00	37.24 -0.86 0.00	39.61 -0.39 0.00	48.21 0.08 0.00	47.64 0.38 0.00	52.93 1.31 0.00	50.41 0.61 0.00	49.95 -0.01 0.00	46.92 -0.17 0.00	54.55 1.12 0.00	49.42 0.53 0.00	48.51 1.44 0.00	98.51 3.17 0.00	55.49 0.77 0.00	67.58 0.15 0.00	57.98 0.65 0.00	48.24 0.78 0.00
DUNKIRK___1 23563	51.39 0.26 0.00	47.33 0.37 0.00	40.02 0.24 0.00	40.07 0.18 0.00	35.52 -0.27 0.00	40.48 -0.21 0.00	42.30 -1.11 0.00	35.16 -1.23 0.00	37.24 -0.86 0.00	39.61 -0.39 0.00	48.21 0.08 0.00	47.64 0.38 0.00	52.93 1.31 0.00	50.41 0.61 0.00	49.95 -0.01 0.00	46.92 -0.17 0.00	54.55 1.12 0.00	49.42 0.53 0.00	48.51 1.44 0.00	98.51 3.17 0.00	55.49 0.77 0.00	67.58 0.15 0.00	57.98 0.65 0.00	48.24 0.78 0.00
DUNKIRK___2 23564	51.39 0.26 0.00	47.33 0.37 0.00	40.02 0.24 0.00	40.07 0.18 0.00	35.52 -0.27 0.00	40.48 -0.21 0.00	42.30 -1.11 0.00	35.16 -1.23 0.00	37.24 -0.86 0.00	39.61 -0.39 0.00	48.21 0.08 0.00	47.64 0.38 0.00	52.93 1.31 0.00	50.41 0.61 0.00	49.95 -0.01 0.00	46.92 -0.17 0.00	54.55 1.12 0.00	49.42 0.53 0.00	48.51 1.44 0.00	98.51 3.17 0.00	55.49 0.77 0.00	67.58 0.15 0.00	57.98 0.65 0.00	48.24 0.78 0.00
DUNKIRK___3 23565	51.12 -0.01 0.00	47.07 0.10 0.00	39.82 0.03 0.00	39.88 -0.02 0.00	35.34 -0.44 0.00	40.26 -0.44 0.00	42.06 -1.35 0.00	34.97 -1.42 0.00	37.03 -1.07 0.00	39.39 -0.60 0.00	47.95 -0.18 0.00	47.45 0.20 0.00	52.69 1.07 0.00	50.21 0.41 0.00	49.75 -0.21 0.00	46.73 -0.37 0.00	54.25 0.82 0.00	49.15 0.26 0.00	48.21 1.14 0.00	97.88 2.54 0.00	55.21 0.48 0.00	67.14 -0.29 0.00	57.66 0.34 0.00	48.01 0.55 0.00
DUNKIRK___4 23566	51.12 -0.01 0.00	47.07 0.10 0.00	39.82 0.03 0.00	39.88 -0.02 0.00	35.34 -0.44 0.00	40.26 -0.44 0.00	42.06 -1.35 0.00	34.97 -1.42 0.00	37.03 -1.07 0.00	39.39 -0.60 0.00	47.95 -0.18 0.00	47.45 0.20 0.00	52.69 1.07 0.00	50.21 0.41 0.00	49.75 -0.21 0.00	46.73 -0.37 0.00	54.25 0.82 0.00	49.15 0.26 0.00	48.21 1.14 0.00	97.88 2.54 0.00	55.21 0.48 0.00	67.14 -0.29 0.00	57.66 0.34 0.00	48.01 0.55 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	54.02 2.89 0.00	50.13 3.17 0.00	42.64 2.86 0.00	42.63 2.74 0.00	38.32 2.53 0.00	43.52 2.82 0.00	46.23 2.82 0.00	38.77 2.39 0.00	40.56 2.45 0.00	42.67 2.68 0.00	51.42 3.29 0.00	50.55 3.29 0.00	55.13 3.50 0.00	53.27 3.47 0.00	53.14 3.19 0.00	50.58 3.49 0.00	57.44 4.00 0.00	52.76 3.88 0.00	50.71 3.64 0.00	100.96 5.63 0.00	57.81 3.09 0.00	70.74 3.31 0.00	59.85 2.53 0.00	49.85 2.39 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	53.75 2.63 0.00	49.80 2.84 0.00	42.36 2.57 0.00	42.36 2.47 0.00	38.07 2.28 0.00	43.22 2.52 0.00	45.90 2.49 0.00	38.50 2.11 0.00	40.26 2.16 0.00	42.31 2.32 0.00	50.98 2.86 0.00	50.13 2.88 0.00	54.68 3.05 0.00	52.83 3.03 0.00	52.75 2.79 0.00	50.11 3.02 0.00	56.97 3.53 0.00	52.40 3.52 0.00	50.49 3.41 0.00	100.78 5.45 0.00	57.69 2.97 0.00	70.60 3.17 0.00	59.69 2.37 0.00	49.59 2.13 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	54.06 2.94 0.00	50.24 3.27 0.00	42.68 2.90 0.00	42.70 2.80 0.00	38.37 2.59 0.00	43.59 2.89 0.00	46.29 2.88 0.00	38.91 2.52 0.00	40.72 2.62 0.00	42.81 2.82 0.00	51.54 3.42 0.00	50.64 3.38 0.00	55.28 3.66 0.00	53.50 3.70 0.00	53.36 3.40 0.00	50.81 3.72 0.00	57.68 4.24 0.00	52.92 4.03 0.00	50.75 3.68 0.00	101.07 5.74 0.00	57.89 3.17 0.00	70.85 3.42 0.00	59.96 2.64 0.00	50.20 2.74 0.00



E179THST_13_KV_LOAD 356214	54.42 3.29 0.00	50.55 3.58 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.60 2.82 0.00	43.84 3.15 0.00	46.58 3.17 0.00	39.14 2.75 0.00	40.98 2.88 0.00	43.09 3.09 0.00	51.88 3.75 0.00	50.97 3.72 0.00	55.65 4.02 0.00	53.85 4.06 0.00	53.72 3.77 0.00	51.15 4.06 0.00	58.08 4.64 0.00	53.30 4.41 0.00	51.10 4.02 0.00	101.77 6.44 0.00	58.29 3.57 0.00	71.34 3.91 0.00	60.37 3.05 0.00	50.53 3.07 0.00
EAST HAMPTON___GT 23717	54.23 3.11 0.00	50.52 3.55 0.00	42.87 3.09 0.00	42.31 2.42 0.00	38.28 2.50 0.00	44.74 4.04 0.00	47.32 3.90 0.00	39.86 3.48 0.00	39.70 3.49 1.89	41.93 3.93 2.00	50.72 4.88 2.29	49.97 4.72 2.01	46.10 4.74 10.27	49.13 4.69 5.35	49.64 4.25 4.57	49.10 4.48 2.47	48.47 5.60 10.56	30.82 4.75 22.83	47.73 4.37 3.72	49.70 8.47 54.11	30.88 4.71 28.55	28.85 5.36 43.94	24.62 3.92 36.62	23.63 2.65 26.49
EAST RIVER___6 23660	54.22 3.10 0.00	50.32 3.35 0.00	42.80 3.02 0.00	42.79 2.90 0.00	38.46 2.67 0.00	43.66 2.96 0.00	46.38 2.97 0.00	38.98 2.60 0.00	40.80 2.70 0.00	42.95 2.96 0.00	51.75 3.62 0.00	50.89 3.63 0.00	55.51 3.89 0.00	53.66 3.86 0.00	53.49 3.53 0.00	50.94 3.85 0.00	57.85 4.41 0.00	53.12 4.23 0.00	50.98 3.91 0.00	101.41 6.07 0.00	58.03 3.31 0.00	70.97 3.54 0.00	60.07 2.75 0.00	50.08 2.62 0.00
EAST RIVER___7 23524	54.22 3.10 0.00	50.32 3.35 0.00	42.80 3.02 0.00	42.79 2.90 0.00	38.46 2.67 0.00	43.66 2.96 0.00	46.38 2.97 0.00	38.98 2.60 0.00	40.80 2.70 0.00	42.95 2.96 0.00	51.75 3.62 0.00	50.89 3.63 0.00	55.51 3.89 0.00	53.66 3.86 0.00	53.49 3.53 0.00	50.94 3.85 0.00	57.85 4.41 0.00	53.12 4.23 0.00	50.98 3.91 0.00	101.41 6.07 0.00	58.03 3.31 0.00	70.97 3.54 0.00	60.07 2.75 0.00	50.08 2.62 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	53.89 2.76 0.00	50.00 3.03 0.00	42.52 2.74 0.00	42.51 2.62 0.00	38.21 2.42 0.00	43.40 2.70 0.00	46.09 2.68 0.00	38.67 2.28 0.00	40.44 2.33 0.00	42.52 2.53 0.00	51.23 3.11 0.00	50.36 3.10 0.00	54.95 3.33 0.00	53.10 3.31 0.00	52.99 3.03 0.00	50.44 3.34 0.00	57.26 3.83 0.00	52.62 3.73 0.00	50.57 3.50 0.00	100.74 5.40 0.00	57.68 2.95 0.00	70.60 3.16 0.00	59.72 2.40 0.00	49.71 2.25 0.00
EAST_HAMPTON___DIESEL 23722	54.17 3.05 0.00	50.43 3.46 0.00	42.81 3.02 0.00	42.22 2.32 0.00	38.23 2.45 0.00	44.74 4.04 0.00	47.31 3.90 0.00	39.87 3.48 0.00	39.71 3.50 1.89	41.94 3.94 2.00	50.71 4.87 2.29	49.97 4.72 2.01	46.06 4.71 10.27	49.09 4.65 5.35	49.59 4.21 4.57	49.04 4.42 2.47	48.43 5.56 10.56	30.71 4.65 22.83	47.63 4.27 3.72	49.55 8.32 54.11	30.83 4.66 28.55	28.80 5.30 43.94	24.57 3.87 36.62	23.54 2.57 26.49
EAST_POINT___SOLAR 323840	55.01 3.88 0.00	50.37 3.41 0.00	42.52 2.74 0.00	42.60 2.71 0.00	38.14 2.35 0.00	43.47 2.77 0.00	45.68 2.27 0.00	37.15 0.76 0.00	38.31 0.20 0.00	40.17 0.18 0.00	48.36 0.24 0.00	47.42 0.16 0.00	51.80 0.19 0.00	50.06 0.27 0.00	50.22 0.27 0.00	47.66 0.57 0.00	53.92 0.48 0.00	49.81 0.92 0.00	48.71 1.64 0.00	101.57 6.23 0.00	59.30 4.57 0.00	72.92 5.48 0.00	61.85 4.53 0.00	51.08 3.62 0.00
EAST_PULASKI___ESR 323781	51.22 -0.36 -0.45	47.34 -0.20 -0.57	39.62 -0.16 0.00	39.65 -0.24 0.00	35.52 -0.27 0.00	40.33 -0.37 0.00	42.96 -0.55 -0.10	35.93 -0.46 0.00	37.67 -0.43 0.00	39.58 -0.41 0.00	47.57 -0.56 0.00	46.48 -0.77 0.00	50.83 -0.79 0.00	49.09 -0.70 0.00	49.18 -0.78 0.00	46.33 -0.76 0.00	52.61 -0.82 0.00	48.22 -0.67 0.00	46.80 -0.28 0.00	96.18 -0.52 -1.36	54.47 -0.26 0.00	67.87 -0.51 -0.95	57.52 -0.52 -0.72	47.01 -0.45 0.00
EAST_RIVER___1 323558	54.22 3.10 0.00	50.33 3.37 0.00	42.82 3.04 0.00	42.80 2.91 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.61 0.00	40.81 2.71 0.00	42.96 2.97 0.00	51.76 3.63 0.00	50.89 3.63 0.00	55.51 3.89 0.00	53.67 3.87 0.00	53.50 3.54 0.00	50.94 3.85 0.00	57.84 4.40 0.00	53.12 4.23 0.00	50.99 3.91 0.00	101.41 6.07 0.00	58.04 3.32 0.00	71.00 3.57 0.00	60.08 2.76 0.00	50.09 2.63 0.00
EAST_RIVER___2 323559	54.22 3.10 0.00	50.32 3.35 0.00	42.80 3.02 0.00	42.79 2.90 0.00	38.46 2.67 0.00	43.66 2.96 0.00	46.38 2.97 0.00	38.98 2.60 0.00	40.80 2.70 0.00	42.95 2.96 0.00	51.75 3.62 0.00	50.89 3.63 0.00	55.51 3.89 0.00	53.66 3.86 0.00	53.49 3.53 0.00	50.94 3.85 0.00	57.85 4.41 0.00	53.12 4.23 0.00	50.98 3.91 0.00	101.41 6.07 0.00	58.03 3.31 0.00	70.97 3.54 0.00	60.07 2.75 0.00	50.08 2.62 0.00
EAST___DELAWARE_HYD 23607	52.69 1.56 0.00	48.75 1.79 0.00	41.45 1.67 0.00	41.44 1.54 0.00	37.22 1.43 0.00	42.27 1.57 0.00	44.89 1.48 0.00	37.66 1.27 0.00	39.38 1.28 0.00	41.39 1.40 0.00	49.88 1.75 0.00	49.06 1.80 0.00	53.49 1.87 0.00	51.64 1.85 0.00	51.63 1.67 0.00	48.91 1.81 0.00	55.67 2.23 0.00	51.35 2.46 0.00	49.57 2.50 0.00	99.25 3.92 0.00	56.76 2.04 0.00	69.43 1.99 0.00	58.66 1.34 0.00	48.64 1.18 0.00
EIGHT_POINT___WT_PWR 323820	51.96 0.83 0.00	47.91 0.94 0.00	40.46 0.68 0.00	40.48 0.58 0.00	36.01 0.22 0.00	41.03 0.33 0.00	42.85 -0.56 0.00	35.38 -1.01 -0.01	36.95 -1.15 0.00	38.82 -1.17 0.00	47.44 -0.69 0.00	46.86 -0.40 0.00	51.50 -0.12 0.00	48.99 -0.80 0.00	48.94 -1.02 0.00	46.20 -0.89 0.00	53.64 0.21 0.00	48.75 -0.13 0.00	48.05 0.97 0.00	98.82 3.48 0.00	56.43 1.71 0.00	68.64 1.21 0.00	57.99 0.67 0.00	47.77 0.30 0.00
ELBRIDGE_115KV_TB2 80188	51.09 -0.25 -0.22	47.14 -0.10 -0.28	39.71 -0.07 0.00	39.79 -0.10 0.00	35.62 -0.17 0.00	40.51 -0.19 0.00	42.99 -0.47 -0.05	35.94 -0.44 0.00	37.61 -0.49 0.00	39.55 -0.45 0.00	47.69 -0.44 0.00	46.96 -0.30 0.00	51.49 -0.13 0.00	49.60 -0.20 0.00	49.70 -0.26 0.00	46.92 -0.18 0.00	53.57 0.13 0.00	49.04 0.15 0.00	47.55 0.48 0.00	96.83 0.83 -0.66	55.05 0.33 0.00	67.87 -0.03 -0.46	57.54 -0.14 -0.35	47.34 -0.12 0.00
ELEC_TRO_TEK 24086	53.76 2.63 0.00	50.20 3.24 0.00	42.60 2.82 0.00	42.56 2.66 0.00	38.20 2.41 0.00	43.50 2.80 0.00	46.04 2.63 0.00	38.58 2.19 0.00	39.73 2.08 0.45	41.84 2.32 0.47	50.51 2.93 0.54	49.69 2.91 0.47	52.78 3.13 1.98	52.00 3.14 0.94	52.16 2.92 0.72	49.78 3.26 0.57	55.27 3.70 1.87	49.01 3.69 3.56	49.68 3.35 0.75	88.70 5.03 11.67	52.36 2.72 5.08	62.24 2.86 8.05	53.75 2.19 5.76	45.39 2.09 4.16
ELLENBURG_WT_PWR 323604	50.84 -0.29 0.00	45.97 -0.99 0.00	38.76 -1.02 0.00	38.99 -0.90 0.00	34.99 -0.80 0.00	39.92 -0.78 0.00	43.06 -0.35 0.00	36.20 -0.19 0.00	37.86 -0.24 0.00	39.77 -0.22 0.00	48.01 -0.12 0.00	46.86 -0.40 0.00	50.90 -0.72 0.00	48.85 -0.94 0.00	48.95 -1.01 0.00	45.73 -1.37 0.00	51.83 -1.60 0.00	47.40 -1.49 0.00	45.37 -1.71 0.00	93.05 -2.29 0.00	53.47 -1.25 0.00	66.30 -1.14 0.00	56.18 -1.14 0.00	46.45 -1.02 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	50.71 -0.41 0.00	46.63 -0.33 0.00	39.49 -0.29 0.00	39.52 -0.38 0.00	35.02 -0.76 0.00	39.82 -0.88 0.00	41.52 -1.89 0.00	34.49 -1.90 0.00	36.58 -1.53 0.00	39.05 -0.95 0.00	47.58 -0.55 0.00	47.30 0.04 0.00	52.48 0.86 0.00	49.98 0.18 0.00	49.54 -0.42 0.00	46.43 -0.66 0.00	53.78 0.34 0.00	48.74 -0.15 0.00	47.68 0.61 0.00	96.72 1.39 0.00	54.70 -0.02 0.00	66.37 -1.06 0.00	57.22 -0.10 0.00	47.70 0.24 0.00
EMPIRE_CC_1 323656	51.88 0.75 0.00	48.09 1.13 0.00	40.98 1.20 0.00	40.92 1.03 0.00	36.93 1.15 0.00	41.80 1.10 0.00	44.47 1.06 0.00	37.21 0.82 0.00	38.83 0.72 0.00	40.53 0.53 0.00	48.55 0.43 0.00	47.71 0.46 0.00	51.82 0.21 0.00	50.18 0.38 0.00	50.36 0.40 0.00	47.90 0.81 0.00	53.92 0.48 0.00	49.64 0.75 0.00	47.81 0.73 0.00	95.61 0.27 0.00	55.31 0.58 0.00	68.03 0.60 0.00	57.56 0.24 0.00	47.64 0.18 0.00
EMPIRE_CC_2 323658	51.88 0.75 0.00	48.09 1.13 0.00	40.98 1.20 0.00	40.92 1.03 0.00	36.93 1.15 0.00	41.80 1.10 0.00	44.47 1.06 0.00	37.21 0.82 0.00	38.83 0.72 0.00	40.53 0.53 0.00	48.55 0.43 0.00	47.71 0.46 0.00	51.82 0.21 0.00	50.18 0.38 0.00	50.36 0.40 0.00	47.90 0.81 0.00	53.92 0.48 0.00	49.64 0.75 0.00	47.81 0.73 0.00	95.61 0.27 0.00	55.31 0.58 0.00	68.03 0.60 0.00	57.56 0.24 0.00	47.64 0.18 0.00
ENORWICH_115KV_TB1 80156	54.72 3.59 0.00	50.28 3.32 0.00	42.46 2.68 0.00	42.27 2.37 0.00	37.68 1.90 0.00	43.37 2.67 0.00	46.27 2.86 0.00	38.77 2.39 0.00	40.18 2.08 0.00	41.99 2.00 0.00	50.76 2.64 0.00	49.70 2.44 0.00	54.70 3.08 0.00	52.69 2.90 0.00	52.69 2.73 0.00	49.85 2.75 0.00	57.38 3.94 0.00	52.67 3.78 0.00	51.76 4.69 0.00	105.27 9.94 0.00	60.17 5.45 0.00	73.45 6.01 0.00	62.15 4.83 0.00	51.08 3.62 0.00
ERIE_ST__34_KV_TB1-2 80199	51.02 -0.10 0.00	46.79 -0.18 0.00	39.56 -0.23 0.00	39.57 -0.33 0.00	35.09 -0.70 0.00	39.93 -0.77 0.00	41.73 -1.68 0.00	34.76 -1.63 0.00	36.84 -1.26 0.00	39.30 -0.69 0.00	47.90 -0.22 0.00	47.59 0.33 0.00	52.84 1.22 0.00	50.36 0.56 0.00	50.00 0.04 0.00	46.98 -0.11 0.00	54.46 1.02 0.00	49.36 0.47 0.00	48.34 1.27 0.00	98.00 2.66 0.00	55.36 0.63 0.00	67.14 -0.29 0.00	57.70 0.38 0.00	48.03 0.57 0.00
ERIE_WT_PWR 323693	50.99 -0.13 0.00	46.84 -0.12 0.00	39.65 -0.13 0.00	39.67 -0.23 0.00	35.15 -0.64 0.00	39.98 -0.72 0.00	41.67 -1.74 0.00	34.66 -1.73 0.00	36.72 -1.38 0.00	39.17 -0.82 0.00	47.73 -0.39 0.00	47.43 0.17 0.00	52.62 1.00 0.00	50.12 0.32 0.00	49.68 -0.27 0.00	46.65 -0.45 0.00	54.00 0.56 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.94 0.00	55.02 0.30 0.00	66.75 -0.68 0.00	57.48 0.16 0.00	47.90 0.43 0.00
ESPRGFLD_115KV_TB1 80157	54.08 2.96 0.00	49.53 2.57 0.00	41.84 2.06 0.00	41.90 2.01 0.00	37.43 1.64 0.00	42.66 1.96 0.00	45.29 1.88 0.00	37.81 1.42 0.00	39.53 1.43 0.00	41.70 1.71 0.00	50.44 2.31 0.00	49.52 2.27 0.00	54.31 2.69 0.00	52.34 2.55 0.00	52.32 2.36 0.00	49.11 2.02 0.00	55.97 2.53 0.00	51.23 2.34 0.00	49.61 2.54 0.00	101.22 5.88 0.00	58.09 3.37 0.00	71.19 3.76 0.00	60.57 3.25 0.00	50.21 2.75 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	52.23 1.11 0.00	48.12 1.15 0.00	40.78 1.00 0.00	40.80 0.91 0.00	36.50 0.71 0.00	41.55 0.85 0.00	44.04 0.63 0.00	36.80 0.42 0.00	38.40 0.30 0.00	40.27 0.28 0.00	48.50 0.38 0.00	47.69 0.43 0.00	52.37 0.75 0.00	50.47 0.68 0.00	50.54 0.58 0.00	47.74 0.64 0.00	54.65 1.22 0.00	50.04 1.16 0.00	48.86 1.79 0.00	99.19 3.86 0.00	56.80 2.08 0.00	69.46 2.02 0.00	58.84 1.53 0.00	48.61 1.15 0.00
ETNA____115KV_TB2 80207	52.23 1.11 0.00	48.12 1.15 0.00	40.78 1.00 0.00	40.80 0.91 0.00	36.50 0.71 0.00	41.55 0.85 0.00	44.04 0.63 0.00	36.80 0.42 0.00	38.40 0.30 0.00	40.27 0.28 0.00	48.50 0.38 0.00	47.69 0.43 0.00	52.37 0.75 0.00	50.47 0.68 0.00	50.54 0.58 0.00	47.74 0.64 0.00	54.65 1.22 0.00	50.04 1.16 0.00	48.86 1.79 0.00	99.19 3.86 0.00	56.80 2.08 0.00	69.46 2.02 0.00	58.84 1.53 0.00	48.61 1.15 0.00
EUCLID___115KV_TB2 356179	50.70 -0.53 -0.10	46.71 -0.38 -0.13	39.54 -0.24 0.00	39.58 -0.32 0.00	35.44 -0.35 0.00	40.28 -0.41 0.00	42.74 -0.70 -0.02	35.77 -0.61 0.00	37.51 -0.60 0.00	39.44 -0.55 0.00	47.57 -0.56 0.00	46.83 -0.43 0.00	51.30 -0.32 0.00	49.48 -0.31 0.00	49.54 -0.41 0.00	46.76 -0.33 0.00	53.35 -0.09 0.00	48.82 -0.06 0.00	47.28 0.20 0.00	95.76 0.11 -0.31	54.66 -0.07 0.00	67.18 -0.48 -0.22	57.01 -0.47 -0.17	47.05 -0.41 0.00
E_CANADA_CAP_HY 24051	54.47 3.34 0.00	49.76 2.80 0.00	41.95 2.17 0.00	42.05 2.15 0.00	37.59 1.81 0.00	42.84 2.14 0.00	45.43 2.02 0.00	37.74 1.35 0.00	39.29 1.19 0.00	41.36 1.37 0.00	49.89 1.76 0.00	48.91 1.65 0.00	53.50 1.88 0.00	51.60 1.80 0.00	51.66 1.70 0.00	48.50 1.40 0.00	55.14 1.70 0.00	50.61 1.72 0.00	49.07 1.99 0.00	100.86 5.52 0.00	58.28 3.56 0.00	71.69 4.26 0.00	61.04 3.72 0.00	50.58 3.11 0.00
E_CANADA_MHWK_HY 24050	52.28 1.16 0.00	48.40 1.43 0.00	41.12 1.33 0.00	41.07 1.18 0.00	36.99 1.20 0.00	42.12 1.42 0.00	44.63 1.22 0.00	36.88 0.49 0.00	38.05 -0.05 0.00	39.40 -0.59 0.00	47.06 -1.06 0.00	46.26 -1.00 0.00	50.48 -1.14 0.00	49.06 -0.74 0.00	49.08 -0.88 0.00	46.87 -0.22 0.00	53.02 -0.41 0.00	49.18 0.29 0.00	48.19 1.12 0.00	97.62 2.29 0.00	56.54 1.82 0.00	69.76 2.32 0.00	58.69 1.37 0.00	48.31 0.85 0.00
E_FISHKILL___LBMP 23776	53.43 2.30 0.00	49.54 2.58 0.00	42.16 2.38 0.00	42.15 2.26 0.00	37.88 2.09 0.00	43.02 2.32 0.00	45.68 2.27 0.00	38.32 1.94 0.00	40.07 1.97 0.00	42.09 2.10 0.00	50.64 2.52 0.00	49.78 2.53 0.00	54.26 2.64 0.00	52.44 2.65 0.00	52.38 2.42 0.00	49.83 2.74 0.00	56.53 3.10 0.00	51.95 3.06 0.00	49.98 2.91 0.00	99.62 4.28 0.00	57.12 2.40 0.00	70.00 2.56 0.00	59.23 1.91 0.00	49.26 1.80 0.00
FALCON___SEABRD_CC1 323796	51.04 -0.09 0.00	46.16 -0.81 0.00	38.88 -0.90 0.00	39.06 -0.83 0.00	35.07 -0.72 0.00	40.05 -0.65 0.00	43.21 -0.20 0.00	36.32 -0.07 0.00	37.79 -0.31 0.00	39.65 -0.34 0.00	48.06 -0.07 0.00	46.79 -0.47 0.00	50.74 -0.87 0.00	48.42 -1.37 0.00	48.37 -1.59 0.00	45.18 -1.91 0.00	51.16 -2.28 0.00	46.86 -2.03 0.00	44.76 -2.32 0.00	92.00 -3.34 0.00	52.96 -1.77 0.00	65.63 -1.80 0.00	55.75 -1.57 0.00	46.46 -1.01 0.00
FALCON___SEABRD_CC2 323797	51.04 -0.09 0.00	46.16 -0.81 0.00	38.88 -0.90 0.00	39.06 -0.83 0.00	35.07 -0.72 0.00	40.05 -0.65 0.00	43.21 -0.20 0.00	36.32 -0.07 0.00	37.79 -0.31 0.00	39.65 -0.34 0.00	48.06 -0.07 0.00	46.79 -0.47 0.00	50.74 -0.87 0.00	48.42 -1.37 0.00	48.37 -1.59 0.00	45.18 -1.91 0.00	51.16 -2.28 0.00	46.86 -2.03 0.00	44.76 -2.32 0.00	92.00 -3.34 0.00	52.96 -1.77 0.00	65.63 -1.80 0.00	55.75 -1.57 0.00	46.46 -1.01 0.00



FAR ROCKAWAY___4 23548	54.66 3.54 0.00	51.00 4.04 0.00	43.26 3.48 0.00	43.20 3.31 0.00	38.77 2.98 0.00	44.16 3.46 0.00	46.72 3.31 0.00	39.15 2.76 0.00	40.59 2.69 0.20	42.77 2.99 0.21	51.63 3.74 0.24	50.77 3.72 0.21	55.12 3.99 0.49	53.93 4.11 -0.03	53.77 3.82 0.00	50.93 4.09 0.24	57.89 4.73 0.27	53.66 4.54 -0.23	51.52 4.15 -0.30	99.94 6.62 2.02	58.04 3.60 0.28	69.94 3.87 1.36	60.52 3.20 0.00	50.40 2.94 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	54.26 3.13 0.00	50.35 3.39 0.00	42.83 3.04 0.00	42.81 2.92 0.00	38.48 2.70 0.00	43.69 2.99 0.00	46.42 3.01 0.00	39.01 2.62 0.00	40.83 2.73 0.00	42.98 2.99 0.00	51.78 3.65 0.00	50.90 3.64 0.00	55.52 3.90 0.00	53.67 3.87 0.00	53.52 3.56 0.00	50.95 3.86 0.00	57.86 4.43 0.00	53.15 4.26 0.00	51.01 3.94 0.00	101.44 6.10 0.00	58.07 3.35 0.00	71.02 3.59 0.00	60.10 2.78 0.00	50.11 2.65 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	54.27 3.14 0.00	50.37 3.40 0.00	42.85 3.07 0.00	42.83 2.94 0.00	38.49 2.70 0.00	43.71 3.01 0.00	46.44 3.02 0.00	39.02 2.63 0.00	40.83 2.73 0.00	42.98 2.99 0.00	51.78 3.66 0.00	50.90 3.65 0.00	55.53 3.90 0.00	53.67 3.88 0.00	53.52 3.56 0.00	50.95 3.86 0.00	57.87 4.43 0.00	53.15 4.26 0.00	51.01 3.94 0.00	101.47 6.13 0.00	58.08 3.36 0.00	71.04 3.61 0.00	60.10 2.78 0.00	50.13 2.67 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	54.21 3.08 0.00	50.31 3.34 0.00	42.79 3.01 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.66 2.96 0.00	46.39 2.98 0.00	38.99 2.60 0.00	40.80 2.70 0.00	42.95 2.95 0.00	51.74 3.61 0.00	50.86 3.60 0.00	55.47 3.85 0.00	53.63 3.83 0.00	53.47 3.51 0.00	50.90 3.82 0.00	57.81 4.37 0.00	53.10 4.21 0.00	50.96 3.89 0.00	101.34 6.01 0.00	58.01 3.28 0.00	70.94 3.51 0.00	60.03 2.71 0.00	50.07 2.61 0.00
FARRAGUT___LBMP 323566	54.15 3.03 0.00	50.27 3.30 0.00	42.76 2.98 0.00	42.74 2.85 0.00	38.42 2.63 0.00	43.62 2.92 0.00	46.35 2.94 0.00	38.94 2.56 0.00	40.75 2.65 0.00	42.90 2.90 0.00	51.67 3.55 0.00	50.79 3.54 0.00	55.41 3.79 0.00	53.56 3.77 0.00	53.40 3.44 0.00	50.84 3.75 0.00	57.72 4.28 0.00	53.03 4.14 0.00	50.89 3.81 0.00	101.24 5.90 0.00	57.95 3.23 0.00	70.88 3.44 0.00	59.98 2.66 0.00	50.03 2.56 0.00
FENNER___WINDPWR 24204	52.17 1.05 0.00	48.02 1.05 0.00	40.70 0.91 0.00	40.72 0.82 0.00	36.50 0.71 0.00	41.52 0.83 0.00	44.10 0.69 0.00	36.90 0.52 0.00	38.56 0.46 0.00	40.48 0.49 0.00	48.74 0.61 0.00	47.92 0.67 0.00	52.45 0.83 0.00	50.68 0.88 0.00	50.76 0.80 0.00	47.98 0.89 0.00	54.69 1.26 0.00	50.12 1.24 0.00	48.65 1.57 0.00	98.73 3.39 0.00	56.64 1.92 0.00	69.47 2.04 0.00	58.78 1.46 0.00	48.47 1.01 0.00
FIBERTEK___ENERGY 23856	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
FITZPATRICK___ 23598	47.69 -1.40 2.03	43.21 -1.21 2.55	38.84 -0.94 0.00	38.90 -0.99 0.00	34.84 -0.94 0.00	39.63 -1.08 0.00	41.58 -1.37 0.46	35.22 -1.16 0.00	36.91 -1.19 0.00	38.80 -1.19 0.00	46.76 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.35 -1.91 6.07	53.55 -1.17 0.00	61.47 -1.74 4.23	52.58 -1.52 3.22	46.23 -1.23 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	54.28 3.16 0.00	50.28 3.32 0.00	42.76 2.98 0.00	42.74 2.85 0.00	38.40 2.62 0.00	43.62 2.92 0.00	46.35 2.94 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.79 2.79 0.00	51.55 3.43 0.00	50.72 3.46 0.00	55.30 3.68 0.00	53.47 3.67 0.00	53.43 3.47 0.00	50.84 3.74 0.00	57.78 4.35 0.00	53.15 4.27 0.00	51.20 4.12 0.00	102.09 6.75 0.00	58.41 3.69 0.00	71.47 4.04 0.00	60.41 3.08 0.00	50.12 2.66 0.00
FORT ORANGE___ 23900	51.64 0.51 0.00	47.78 0.81 0.00	40.68 0.90 0.00	40.63 0.74 0.00	36.65 0.86 0.00	41.51 0.81 0.00	44.11 0.70 0.00	36.97 0.59 0.00	38.53 0.43 0.00	40.16 0.17 0.00	48.09 -0.04 0.00	47.28 0.02 0.00	51.44 -0.18 0.00	49.79 0.00 0.00	49.97 0.02 0.00	47.50 0.41 0.00	53.62 0.18 0.00	49.35 0.45 0.00	47.66 0.58 0.00	95.61 0.27 0.00	55.20 0.47 0.00	67.92 0.49 0.00	57.42 0.10 0.00	47.46 0.00 0.00
FORT_DRUM_COGEN 23780	52.23 0.89 -0.21	48.27 1.03 -0.27	40.45 0.67 0.00	40.48 0.58 0.00	36.28 0.49 0.00	41.07 0.37 0.00	43.88 0.42 -0.05	36.83 0.45 0.00	38.69 0.59 0.00	40.59 0.60 0.00	48.53 0.40 0.00	46.87 -0.39 0.00	51.23 -0.39 0.00	49.68 -0.12 0.00	49.79 -0.17 0.00	46.66 -0.44 0.00	52.58 -0.85 0.00	48.34 -0.55 0.00	47.13 0.06 0.00	96.97 1.00 -0.63	55.70 0.98 0.00	69.36 1.49 -0.44	58.39 0.74 -0.34	47.70 0.24 0.00
FOX_HILLS___ESR 323835	53.99 2.87 0.00	50.26 3.29 0.00	42.74 2.96 0.00	42.78 2.88 0.00	38.44 2.66 0.00	43.65 2.95 0.00	46.35 2.94 0.00	38.92 2.54 0.00	40.74 2.63 0.00	42.80 2.81 0.00	51.48 3.36 0.00	50.50 3.24 0.00	53.32 3.52 1.82	53.52 3.72 0.00	53.36 3.40 0.00	50.83 3.73 0.00	57.66 4.23 0.00	52.99 4.10 0.00	50.89 3.81 0.00	101.30 5.96 0.00	57.98 3.26 0.00	70.99 3.55 0.00	60.04 2.72 0.00	50.29 2.83 0.00
FPL_FAR_ROCK_GT1 24212	54.67 3.54 0.00	51.00 4.04 0.00	43.26 3.47 0.00	43.20 3.30 0.00	38.77 2.98 0.00	44.16 3.46 0.00	46.72 3.31 0.00	39.15 2.76 0.00	40.59 2.69 0.20	42.77 2.98 0.21	51.62 3.74 0.24	50.78 3.73 0.21	55.11 3.98 0.49	53.91 4.09 -0.03	53.76 3.80 0.00	50.93 4.08 0.24	57.88 4.71 0.27	53.62 4.50 -0.23	51.50 4.14 -0.30	99.93 6.61 2.02	58.03 3.59 0.28	69.93 3.86 1.36	60.50 3.18 0.00	50.40 2.94 0.00
FPL_FAR_ROCK_GT2 23815	54.67 3.54 0.00	51.00 4.04 0.00	43.26 3.47 0.00	43.20 3.30 0.00	38.77 2.98 0.00	44.16 3.46 0.00	46.72 3.31 0.00	39.15 2.76 0.00	40.59 2.69 0.20	42.77 2.98 0.21	51.62 3.74 0.24	50.78 3.73 0.21	55.11 3.98 0.49	53.91 4.09 -0.03	53.76 3.80 0.00	50.93 4.08 0.24	57.88 4.71 0.27	53.62 4.50 -0.23	51.50 4.14 -0.30	99.93 6.61 2.02	58.03 3.59 0.28	69.93 3.86 1.36	60.50 3.18 0.00	50.40 2.94 0.00
FRANKLIN_FALL_HYD 24054	51.48 0.36 0.00	46.56 -0.40 0.00	39.24 -0.54 0.00	39.48 -0.42 0.00	35.40 -0.39 0.00	40.38 -0.32 0.00	43.56 0.14 0.00	36.64 0.26 0.00	38.40 0.29 0.00	40.30 0.31 0.00	48.66 0.53 0.00	47.46 0.20 0.00	51.62 0.00 0.00	49.63 -0.17 0.00	49.71 -0.25 0.00	46.37 -0.72 0.00	52.55 -0.89 0.00	47.95 -0.94 0.00	45.97 -1.10 0.00	94.48 -0.86 0.00	54.44 -0.28 0.00	67.54 0.11 0.00	57.30 -0.02 0.00	47.31 -0.15 0.00



FREEMONT_EQUUS_GT1 23764	54.10 2.98 0.00	50.57 3.60 0.00	42.89 3.11 0.00	42.82 2.92 0.00	38.43 2.65 0.00	43.78 3.08 0.00	46.32 2.91 0.00	38.81 2.42 0.00	39.31 2.25 1.04	41.41 2.52 1.10	50.01 3.15 1.27	49.28 3.13 1.11	49.49 3.32 5.46	50.29 3.23 2.73	50.64 3.03 2.35	49.11 3.38 1.36	51.77 3.86 5.53	41.14 3.89 11.64	48.82 3.53 1.78	72.25 5.36 28.44	42.87 2.91 14.75	47.62 3.26 23.08	41.06 2.56 18.82	36.23 2.38 13.62
FREEPORT___CT2 23818	54.10 2.98 0.00	50.57 3.60 0.00	42.89 3.11 0.00	42.82 2.92 0.00	38.43 2.65 0.00	43.78 3.08 0.00	46.32 2.91 0.00	38.81 2.42 0.00	39.31 2.25 1.04	41.41 2.52 1.10	50.01 3.15 1.27	49.28 3.13 1.11	49.49 3.32 5.46	50.29 3.23 2.73	50.64 3.03 2.35	49.11 3.38 1.36	51.77 3.86 5.53	41.14 3.89 11.64	48.82 3.53 1.78	72.25 5.36 28.44	42.87 2.91 14.75	47.62 3.26 23.08	41.06 2.56 18.82	36.23 2.38 13.62
FRESHKLS_33_KV_LOAD 356253	54.07 2.94 0.00	50.39 3.42 0.00	42.89 3.11 0.00	42.93 3.03 0.00	38.58 2.79 0.00	43.80 3.10 0.00	46.50 3.09 0.00	39.04 2.65 0.00	40.84 2.73 0.00	42.90 2.90 0.00	51.54 3.41 0.00	50.51 3.26 0.00	53.32 3.52 1.82	53.57 3.78 0.00	53.41 3.45 0.00	50.90 3.80 0.00	57.79 4.36 0.00	53.12 4.23 0.00	51.03 3.96 0.00	101.67 6.33 0.00	58.14 3.42 0.00	71.16 3.73 0.00	60.17 2.85 0.00	50.39 2.93 0.00
FULTON COGEN____ 23766	50.85 -0.81 -0.54	46.99 -0.66 -0.68	39.39 -0.39 0.00	39.42 -0.47 0.00	35.28 -0.50 0.00	40.13 -0.57 0.00	42.69 -0.84 -0.12	35.66 -0.72 0.00	37.37 -0.74 0.00	39.28 -0.71 0.00	47.32 -0.81 0.00	46.52 -0.74 0.00	50.90 -0.72 0.00	49.12 -0.67 0.00	49.19 -0.77 0.00	46.46 -0.64 0.00	52.96 -0.47 0.00	48.52 -0.37 0.00	47.00 -0.08 0.00	96.59 -0.37 -1.63	54.42 -0.30 0.00	67.81 -0.76 -1.13	57.45 -0.74 -0.86	46.85 -0.61 0.00
FULTON___LPGE 323630	54.56 3.44 0.00	50.05 3.08 0.00	42.31 2.53 0.00	42.38 2.49 0.00	37.95 2.16 0.00	43.23 2.53 0.00	45.73 2.32 0.00	37.72 1.33 0.00	38.96 0.85 0.00	40.76 0.77 0.00	48.94 0.82 0.00	47.96 0.70 0.00	52.39 0.78 0.00	50.63 0.84 0.00	50.74 0.78 0.00	47.90 0.80 0.00	54.46 1.03 0.00	50.31 1.42 0.00	49.18 2.11 0.00	101.33 6.00 0.00	58.75 4.03 0.00	72.22 4.79 0.00	61.25 3.92 0.00	50.60 3.14 0.00
G.F.CEMENT___DRP 24184	53.98 2.85 0.00	49.97 3.00 0.00	42.40 2.62 0.00	42.37 2.47 0.00	38.09 2.30 0.00	43.35 2.65 0.00	46.18 2.77 0.00	38.50 2.12 0.00	40.10 2.00 0.00	41.77 1.78 0.00	49.76 1.63 0.00	48.89 1.63 0.00	53.16 1.55 0.00	51.46 1.66 0.00	51.79 1.84 0.00	49.30 2.20 0.00	55.98 2.54 0.00	51.64 2.76 0.00	50.41 3.34 0.00	101.44 6.10 0.00	58.56 3.84 0.00	71.82 4.38 0.00	60.49 3.17 0.00	49.78 2.32 0.00
GARDENVILLE___LBMP 24039	50.84 -0.28 0.00	46.74 -0.22 0.00	39.57 -0.21 0.00	39.59 -0.30 0.00	35.10 -0.69 0.00	39.91 -0.79 0.00	41.60 -1.81 0.00	34.51 -1.88 0.00	36.53 -1.57 0.00	38.93 -1.06 0.00	47.44 -0.69 0.00	47.14 -0.12 0.00	52.24 0.62 0.00	49.74 -0.05 0.00	49.33 -0.63 0.00	46.29 -0.80 0.00	53.63 0.20 0.00	48.63 -0.26 0.00	47.63 0.55 0.00	96.76 1.43 0.00	54.78 0.06 0.00	66.51 -0.93 0.00	57.24 -0.08 0.00	47.66 0.20 0.00
GARDNVLA_35_KV_LD 355827	51.06 -0.06 0.00	46.91 -0.05 0.00	39.69 -0.09 0.00	39.71 -0.19 0.00	35.18 -0.60 0.00	40.02 -0.68 0.00	41.73 -1.69 0.00	34.69 -1.69 0.00	36.79 -1.31 0.00	39.25 -0.74 0.00	47.84 -0.29 0.00	47.58 0.32 0.00	52.80 1.18 0.00	50.30 0.51 0.00	49.88 -0.08 0.00	46.81 -0.28 0.00	54.22 0.79 0.00	49.13 0.24 0.00	48.11 1.03 0.00	97.61 2.27 0.00	55.17 0.45 0.00	66.93 -0.50 0.00	57.61 0.29 0.00	47.99 0.52 0.00
GELCKHM___115KV_LOAD 80723	50.95 -0.32 -0.15	46.95 -0.20 -0.19	39.67 -0.11 0.00	39.72 -0.18 0.00	35.55 -0.24 0.00	40.41 -0.29 0.00	42.90 -0.55 -0.04	35.89 -0.49 0.00	37.61 -0.49 0.00	39.56 -0.43 0.00	47.71 -0.42 0.00	46.97 -0.29 0.00	51.47 -0.15 0.00	49.65 -0.15 0.00	49.71 -0.25 0.00	46.92 -0.17 0.00	53.53 0.09 0.00	49.00 0.11 0.00	47.47 0.40 0.00	96.37 0.57 -0.46	54.90 0.18 0.00	67.58 -0.18 -0.32	57.31 -0.26 -0.24	47.23 -0.24 0.00
GENERAL___MILLS 23808	50.95 -0.18 0.00	46.82 -0.14 0.00	39.64 -0.14 0.00	39.65 -0.25 0.00	35.13 -0.65 0.00	39.96 -0.74 0.00	41.67 -1.74 0.00	34.64 -1.75 0.00	36.71 -1.39 0.00	39.17 -0.82 0.00	47.72 -0.41 0.00	47.43 0.18 0.00	52.63 1.02 0.00	50.12 0.33 0.00	49.70 -0.26 0.00	46.63 -0.47 0.00	54.01 0.58 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.93 0.00	54.99 0.27 0.00	66.74 -0.70 0.00	57.45 0.13 0.00	47.88 0.42 0.00
GE_PLASTICS___DRP 24183	51.73 0.60 0.00	47.87 0.91 0.00	40.76 0.98 0.00	40.75 0.86 0.00	36.70 0.91 0.00	41.62 0.91 0.00	44.18 0.77 0.00	36.97 0.59 0.00	38.58 0.48 0.00	40.33 0.34 0.00	48.36 0.23 0.00	47.49 0.23 0.00	51.73 0.12 0.00	50.04 0.24 0.00	50.17 0.21 0.00	47.61 0.52 0.00	53.80 0.36 0.00	49.45 0.56 0.00	47.66 0.59 0.00	95.57 0.23 0.00	55.10 0.38 0.00	67.72 0.29 0.00	57.34 0.02 0.00	47.47 0.01 0.00
GILBOA___1 23756	52.55 1.42 0.00	48.74 1.77 0.00	41.69 1.91 0.00	41.71 1.82 0.00	37.47 1.68 0.00	42.54 1.84 0.00	44.88 1.47 0.00	37.35 0.96 0.00	39.02 0.92 0.00	40.92 0.92 0.00	49.20 1.08 0.00	48.36 1.10 0.00	52.77 1.15 0.00	50.98 1.18 0.00	51.00 1.05 0.00	48.31 1.22 0.00	54.55 1.12 0.00	50.01 1.13 0.00	48.19 1.12 0.00	96.69 1.35 0.00	55.77 1.05 0.00	68.43 0.99 0.00	58.12 0.79 0.00	48.25 0.78 0.00
GILBOA___2 23757	52.55 1.42 0.00	48.74 1.77 0.00	41.69 1.91 0.00	41.71 1.82 0.00	37.47 1.68 0.00	42.54 1.84 0.00	44.88 1.47 0.00	37.35 0.96 0.00	39.02 0.92 0.00	40.92 0.92 0.00	49.20 1.08 0.00	48.36 1.10 0.00	52.77 1.15 0.00	50.98 1.18 0.00	51.00 1.05 0.00	48.31 1.22 0.00	54.55 1.12 0.00	50.01 1.13 0.00	48.19 1.12 0.00	96.69 1.35 0.00	55.77 1.05 0.00	68.43 0.99 0.00	58.12 0.79 0.00	48.25 0.78 0.00
GILBOA___3 23758	52.55 1.42 0.00	48.74 1.77 0.00	41.69 1.91 0.00	41.71 1.82 0.00	37.47 1.68 0.00	42.54 1.84 0.00	44.88 1.47 0.00	37.35 0.96 0.00	39.02 0.92 0.00	40.92 0.92 0.00	49.20 1.08 0.00	48.36 1.10 0.00	52.77 1.15 0.00	50.98 1.18 0.00	51.00 1.05 0.00	48.31 1.22 0.00	54.55 1.12 0.00	50.01 1.13 0.00	48.19 1.12 0.00	96.69 1.35 0.00	55.77 1.05 0.00	68.43 0.99 0.00	58.12 0.79 0.00	48.25 0.78 0.00
GILBOA___4 23759	52.55 1.42 0.00	48.74 1.77 0.00	41.69 1.91 0.00	41.71 1.82 0.00	37.47 1.68 0.00	42.54 1.84 0.00	44.88 1.47 0.00	37.35 0.96 0.00	39.02 0.92 0.00	40.92 0.92 0.00	49.20 1.08 0.00	48.36 1.10 0.00	52.77 1.15 0.00	50.98 1.18 0.00	51.00 1.05 0.00	48.31 1.22 0.00	54.55 1.12 0.00	50.01 1.13 0.00	48.19 1.12 0.00	96.69 1.35 0.00	55.77 1.05 0.00	68.43 0.99 0.00	58.12 0.79 0.00	48.25 0.78 0.00



GILBOA____ 23599	52.55 1.43 0.00	48.74 1.77 0.00	41.69 1.91 0.00	41.71 1.82 0.00	37.47 1.68 0.00	42.54 1.84 0.00	44.88 1.47 0.00	37.35 0.96 0.00	39.02 0.92 0.00	40.92 0.92 0.00	49.20 1.08 0.00	48.36 1.10 0.00	52.77 1.15 0.00	50.98 1.18 0.00	51.01 1.05 0.00	48.31 1.22 0.00	54.55 1.12 0.00	50.01 1.12 0.00	48.19 1.12 0.00	96.68 1.34 0.00	55.77 1.05 0.00	68.42 0.99 0.00	58.11 0.79 0.00	48.25 0.78 0.00
GINNA____ 23603	49.09 -2.03 0.00	45.13 -1.83 0.00	38.22 -1.56 0.00	38.22 -1.67 0.00	34.07 -1.71 0.00	38.74 -1.96 0.00	40.83 -2.59 0.00	34.10 -2.28 0.00	35.99 -2.11 0.00	38.17 -1.82 0.00	46.27 -1.85 0.00	45.84 -1.42 0.00	50.57 -1.05 0.00	48.58 -1.22 0.00	48.49 -1.46 0.00	45.69 -1.40 0.00	52.52 -0.92 0.00	47.96 -0.93 0.00	46.67 -0.40 0.00	94.48 -0.86 0.00	53.70 -1.02 0.00	65.34 -2.10 0.00	55.68 -1.64 0.00	46.13 -1.34 0.00
GLEN PARK____ 23778	52.54 1.19 -0.22	48.54 1.30 -0.28	40.66 0.88 0.00	40.66 0.77 0.00	36.44 0.66 0.00	41.27 0.57 0.00	44.08 0.62 -0.05	36.96 0.58 0.00	38.81 0.70 0.00	40.70 0.71 0.00	48.67 0.54 0.00	46.90 -0.36 0.00	51.31 -0.31 0.00	49.69 -0.10 0.00	49.79 -0.17 0.00	46.64 -0.45 0.00	52.56 -0.87 0.00	48.35 -0.54 0.00	47.22 0.14 0.00	97.29 1.28 -0.67	56.03 1.31 0.00	69.88 1.98 -0.46	58.80 1.13 -0.36	48.00 0.54 0.00
GLENDALE_27_KV_LOAD 356172	54.39 3.27 0.00	50.53 3.56 0.00	42.93 3.15 0.00	42.92 3.03 0.00	38.58 2.79 0.00	43.83 3.14 0.00	46.59 3.18 0.00	39.15 2.77 0.00	41.01 2.90 0.00	43.14 3.15 0.00	52.02 3.89 0.00	51.11 3.85 0.00	55.79 4.17 0.00	53.97 4.18 0.00	53.80 3.84 0.00	51.23 4.14 0.00	58.15 4.72 0.00	53.32 4.44 0.00	51.11 4.04 0.00	101.67 6.33 0.00	58.19 3.47 0.00	71.21 3.77 0.00	60.26 2.94 0.00	50.42 2.96 0.00
GLENWOOD_IC_1_G5 23712	54.14 3.01 0.00	50.43 3.47 0.00	42.82 3.03 0.00	42.78 2.89 0.00	38.43 2.64 0.00	43.72 3.02 0.00	46.34 2.93 0.00	38.85 2.46 0.00	39.80 2.32 0.63	41.92 2.59 0.66	50.78 3.41 0.76	50.01 3.42 0.66	52.05 3.69 3.26	51.86 3.69 1.63	52.01 3.45 1.40	50.05 3.78 0.81	54.45 4.32 3.30	45.87 3.93 6.94	49.61 3.60 1.06	83.87 5.54 17.01	48.87 2.96 8.81	56.78 3.13 13.78	48.43 2.34 11.23	41.81 2.48 8.12
GLENWOOD_IC_2_G1 23688	53.96 2.84 0.00	50.20 3.24 0.00	42.65 2.87 0.00	42.63 2.73 0.00	38.29 2.51 0.00	43.54 2.84 0.00	46.18 2.76 0.00	38.73 2.34 0.00	40.43 2.33 0.01	42.54 2.56 0.01	51.32 3.21 0.01	50.47 3.21 0.01	55.04 3.43 0.01	53.23 3.44 0.00	53.14 3.18 0.00	50.59 3.50 0.01	57.43 4.00 0.01	52.77 3.88 0.00	50.66 3.60 0.01	100.74 5.55 0.15	57.71 3.02 0.03	70.61 3.22 0.05	59.74 2.43 0.00	49.77 2.31 0.00
GLENWOOD_IC_3_G1 23689	53.96 2.84 0.00	50.20 3.24 0.00	42.65 2.87 0.00	42.63 2.73 0.00	38.29 2.51 0.00	43.54 2.84 0.00	46.18 2.76 0.00	38.73 2.34 0.00	40.43 2.33 0.01	42.54 2.56 0.01	51.32 3.21 0.01	50.47 3.21 0.01	55.04 3.43 0.01	53.23 3.44 0.00	53.14 3.18 0.00	50.59 3.50 0.01	57.43 4.00 0.01	52.77 3.88 0.00	50.66 3.60 0.01	100.74 5.55 0.15	57.71 3.02 0.03	70.61 3.22 0.05	59.74 2.43 0.00	49.77 2.31 0.00
GLENWOOD____4 23550	54.14 3.01 0.00	50.43 3.47 0.00	42.82 3.03 0.00	42.78 2.89 0.00	38.43 2.64 0.00	43.72 3.02 0.00	46.34 2.93 0.00	38.85 2.46 0.00	39.84 2.37 0.63	41.96 2.63 0.66	50.78 3.41 0.76	50.01 3.42 0.66	52.05 3.69 3.26	51.86 3.69 1.63	52.01 3.45 1.40	50.05 3.78 0.81	54.46 4.33 3.30	45.99 4.04 6.94	49.72 3.71 1.06	84.08 5.75 17.01	49.02 3.10 8.81	56.94 3.29 13.78	48.55 2.46 11.23	41.81 2.48 8.12
GLENWOOD____5 23614	54.14 3.01 0.00	50.43 3.47 0.00	42.82 3.03 0.00	42.78 2.89 0.00	38.43 2.64 0.00	43.72 3.02 0.00	46.34 2.93 0.00	38.85 2.46 0.00	39.84 2.37 0.63	41.96 2.63 0.66	50.78 3.41 0.76	50.01 3.42 0.66	52.05 3.69 3.26	51.86 3.69 1.63	52.01 3.45 1.40	50.05 3.78 0.81	54.46 4.33 3.30	45.99 4.04 6.94	49.72 3.71 1.06	84.08 5.75 17.01	49.02 3.10 8.81	56.94 3.29 13.78	48.55 2.46 11.23	41.81 2.48 8.12
GLOBAL GREEN_PORT_GT1 23814	54.35 3.22 0.00	50.72 3.76 0.00	43.04 3.25 0.00	42.57 2.68 0.00	38.43 2.65 0.00	44.65 3.95 0.00	47.20 3.78 0.00	39.73 3.34 0.00	39.53 3.32 1.89	41.78 3.78 2.00	50.55 4.71 2.29	49.87 4.62 2.01	46.05 4.70 10.27	49.10 4.66 5.35	49.71 4.33 4.57	49.22 4.60 2.47	48.46 5.59 10.56	31.07 5.01 22.83	48.02 4.67 3.72	49.91 8.67 54.10	30.96 4.79 28.55	28.87 5.37 43.94	24.71 4.00 36.61	23.80 2.83 26.49
GLOBE____DSASP 323697	49.31 -1.82 0.00	45.45 -1.52 0.00	38.58 -1.20 0.00	38.59 -1.30 0.00	34.18 -1.61 0.00	38.82 -1.88 0.00	40.38 -3.03 0.00	33.49 -2.89 0.00	35.58 -2.52 0.00	38.07 -1.92 0.00	46.41 -1.72 0.00	46.26 -1.00 0.00	51.30 -0.32 0.00	48.72 -1.08 0.00	48.34 -1.62 0.00	44.93 -2.16 0.00	51.97 -1.46 0.00	47.09 -1.79 0.00	46.04 -1.03 0.00	93.28 -2.05 0.00	52.84 -1.89 0.00	64.09 -3.35 0.00	55.64 -1.68 0.00	46.68 -0.78 0.00
GOETHSLN____LBMP 323567	53.83 2.71 0.00	50.00 3.03 0.00	42.54 2.76 0.00	42.54 2.64 0.00	38.24 2.45 0.00	43.41 2.71 0.00	46.11 2.70 0.00	38.73 2.35 0.00	40.53 2.42 0.00	42.66 2.67 0.00	51.38 3.26 0.00	50.50 3.24 0.00	53.27 3.47 1.82	53.23 3.44 0.00	53.05 3.10 0.00	50.54 3.45 0.00	57.35 3.92 0.00	52.71 3.82 0.00	50.60 3.53 0.00	100.55 5.22 0.00	57.61 2.89 0.00	70.42 2.99 0.00	59.58 2.26 0.00	49.76 2.30 0.00
GOLAH____69_KV_TB 1_2 80279	51.79 0.66 0.00	47.65 0.68 0.00	40.31 0.53 0.00	40.30 0.41 0.00	35.85 0.06 0.00	40.76 0.06 0.00	42.84 -0.57 0.00	35.69 -0.70 0.00	37.66 -0.44 0.00	39.97 -0.03 0.00	48.49 0.37 0.00	48.11 0.85 0.00	53.14 1.52 0.00	50.98 1.18 0.00	50.79 0.84 0.00	47.78 0.69 0.00	55.05 1.61 0.00	50.20 1.32 0.00	48.97 1.90 0.00	99.42 4.09 0.00	56.53 1.81 0.00	68.69 1.25 0.00	58.74 1.41 0.00	48.68 1.22 0.00
GOODYEAR_LAKE_HYD 323669	53.47 2.34 0.00	49.25 2.29 0.00	41.78 2.00 0.00	41.80 1.91 0.00	37.41 1.63 0.00	42.60 1.90 0.00	45.19 1.77 0.00	37.77 1.38 0.00	39.50 1.40 0.00	41.58 1.59 0.00	50.22 2.09 0.00	49.35 2.10 0.00	54.06 2.45 0.00	52.15 2.36 0.00	52.10 2.15 0.00	49.14 2.05 0.00	55.95 2.52 0.00	51.24 2.35 0.00	49.59 2.52 0.00	100.31 4.97 0.00	57.48 2.76 0.00	70.38 2.94 0.00	59.73 2.41 0.00	49.51 2.05 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	51.63 0.50 0.00	47.65 0.68 0.00	40.43 0.65 0.00	40.49 0.59 0.00	36.17 0.38 0.00	41.18 0.47 0.00	43.55 0.14 0.00	36.41 0.03 0.00	38.16 0.06 0.00	40.12 0.12 0.00	48.43 0.30 0.00	47.65 0.39 0.00	52.41 0.79 0.00	50.48 0.68 0.00	50.36 0.40 0.00	47.57 0.48 0.00	54.47 1.03 0.00	49.68 0.79 0.00	48.39 1.31 0.00	97.81 2.47 0.00	55.78 1.06 0.00	68.21 0.78 0.00	57.93 0.61 0.00	48.02 0.55 0.00



GOUDEY___7 23579	51.63 0.50 0.00	47.65 0.68 0.00	40.43 0.65 0.00	40.49 0.59 0.00	36.17 0.38 0.00	41.18 0.47 0.00	43.55 0.14 0.00	36.41 0.03 0.00	38.16 0.06 0.00	40.12 0.12 0.00	48.43 0.30 0.00	47.65 0.39 0.00	52.41 0.79 0.00	50.48 0.68 0.00	50.36 0.40 0.00	47.57 0.48 0.00	54.47 1.03 0.00	49.68 0.79 0.00	48.39 1.31 0.00	97.81 2.47 0.00	55.78 1.06 0.00	68.21 0.78 0.00	57.93 0.61 0.00	48.02 0.55 0.00
GOUDEY___8 23580	51.63 0.50 0.00	47.65 0.68 0.00	40.43 0.65 0.00	40.49 0.59 0.00	36.17 0.38 0.00	41.18 0.47 0.00	43.55 0.14 0.00	36.41 0.03 0.00	38.16 0.06 0.00	40.12 0.12 0.00	48.43 0.30 0.00	47.65 0.39 0.00	52.41 0.79 0.00	50.48 0.68 0.00	50.36 0.40 0.00	47.57 0.48 0.00	54.47 1.03 0.00	49.68 0.79 0.00	48.39 1.31 0.00	97.81 2.47 0.00	55.78 1.06 0.00	68.21 0.78 0.00	57.93 0.61 0.00	48.02 0.55 0.00
GOWANUS_GT1_1 24077	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_2 24078	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_3 24079	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_4 24080	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_5 24084	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_6 24111	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_7 24112	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT1_8 24113	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT2_1 24114	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_2 24115	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_3 24116	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_4 24117	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_5 24118	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00



GOWANUS_GT2_6 24119	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_7 24120	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT2_8 24121	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_1 24122	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_2 24123	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_3 24124	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_4 24125	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_5 24126	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_6 24127	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_7 24128	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT3_8 24129	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
GOWANUS_GT4_1 24130	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_2 24131	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_3 24132	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_4 24133	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00



GOWANUS_GT4_5 24134	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_6 24135	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_7 24136	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GOWANUS_GT4_8 24137	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GREATVRV_69_KV_BK1 356245	54.18 3.05 0.00	50.92 3.95 0.00	43.19 3.40 0.00	43.07 3.17 0.00	38.62 2.83 0.00	44.10 3.40 0.00	46.57 3.15 0.00	39.00 2.61 0.00	38.68 2.41 1.83	40.76 2.70 1.93	49.30 3.39 2.22	48.71 3.39 1.94	45.27 3.58 9.93	48.22 3.60 5.17	49.15 3.61 4.42	48.53 3.83 2.39	47.50 4.27 10.21	31.18 4.34 22.05	47.45 3.96 3.59	49.20 6.21 52.34	30.54 3.41 27.59	28.72 3.77 42.48	24.82 2.87 35.37	24.31 2.44 25.59
GREENBSH_115KV_TB3 55895	51.54 0.41 0.00	47.72 0.75 0.00	40.62 0.84 0.00	40.60 0.70 0.00	36.63 0.84 0.00	41.47 0.78 0.00	44.10 0.69 0.00	36.97 0.59 0.00	38.58 0.48 0.00	40.25 0.26 0.00	48.26 0.14 0.00	47.42 0.17 0.00	51.62 0.01 0.00	49.95 0.15 0.00	50.11 0.15 0.00	47.60 0.51 0.00	53.74 0.31 0.00	49.45 0.56 0.00	47.66 0.58 0.00	95.49 0.15 0.00	55.08 0.36 0.00	67.72 0.28 0.00	57.28 -0.04 0.00	47.40 -0.06 0.00
GREENDGE_115KV_TB5 80291	51.49 0.36 0.00	47.57 0.61 0.00	40.38 0.60 0.00	40.41 0.52 0.00	36.03 0.24 0.00	41.02 0.32 0.00	43.26 -0.15 0.00	36.08 -0.31 0.00	37.78 -0.33 0.00	39.74 -0.25 0.00	47.98 -0.14 0.00	47.06 -0.20 0.00	51.98 0.36 0.00	49.80 0.01 0.00	49.79 -0.16 0.00	47.00 -0.09 0.00	54.13 0.70 0.00	49.47 0.58 0.00	48.64 1.57 0.00	98.64 3.31 0.00	56.32 1.60 0.00	68.56 1.13 0.00	58.12 0.81 0.00	48.14 0.68 0.00
GREENIDGE___3 23582	51.49 0.36 0.00	47.57 0.61 0.00	40.38 0.60 0.00	40.41 0.52 0.00	36.03 0.24 0.00	41.02 0.32 0.00	43.26 -0.15 0.00	36.08 -0.31 0.00	37.78 -0.33 0.00	39.74 -0.25 0.00	47.98 -0.14 0.00	47.06 -0.20 0.00	51.98 0.36 0.00	49.80 0.01 0.00	49.79 -0.16 0.00	47.00 -0.09 0.00	54.13 0.70 0.00	49.47 0.58 0.00	48.64 1.57 0.00	98.64 3.31 0.00	56.32 1.60 0.00	68.56 1.13 0.00	58.12 0.81 0.00	48.14 0.68 0.00
GREENIDGE___4 23583	51.49 0.36 0.00	47.58 0.62 0.00	40.38 0.60 0.00	40.42 0.52 0.00	36.03 0.24 0.00	41.02 0.32 0.00	43.25 -0.16 0.00	36.08 -0.31 0.00	37.78 -0.33 0.00	39.74 -0.25 0.00	47.98 -0.14 0.00	47.05 -0.20 0.00	51.98 0.36 0.00	49.80 0.01 0.00	49.79 -0.16 0.00	47.02 -0.07 0.00	54.14 0.71 0.00	49.46 0.58 0.00	48.63 1.55 0.00	98.64 3.31 0.00	56.33 1.61 0.00	68.56 1.13 0.00	58.13 0.81 0.00	48.13 0.67 0.00
GREENLWN_69_KV_BK 3 55738	53.12 2.00 0.00	50.07 3.10 0.00	42.52 2.74 0.00	42.42 2.53 0.00	38.06 2.28 0.00	43.40 2.70 0.00	45.76 2.35 0.00	38.24 1.86 0.00	37.77 1.51 1.85	39.76 1.71 1.95	47.95 2.06 2.24	47.37 2.08 1.96	43.94 2.34 10.02	47.01 2.44 5.22	47.72 2.22 4.46	47.34 2.66 2.41	46.02 2.88 10.30	29.53 2.90 22.26	45.97 2.53 3.63	45.70 3.20 52.84	28.63 1.76 27.86	26.10 1.54 42.87	22.66 1.05 35.71	22.80 1.17 25.83
GREENWD_138_KV_38B11_REV_LBMP_J 345004	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00
GRISSOM___SOLAR 323813	54.41 3.28 0.00	49.98 3.02 0.00	42.29 2.50 0.00	42.34 2.44 0.00	37.94 2.15 0.00	43.19 2.49 0.00	45.67 2.26 0.00	37.58 1.20 0.00	38.72 0.61 0.00	40.44 0.44 0.00	48.51 0.39 0.00	47.54 0.28 0.00	51.90 0.28 0.00	50.17 0.37 0.00	50.29 0.33 0.00	47.53 0.43 0.00	54.03 0.59 0.00	49.98 1.10 0.00	48.97 1.90 0.00	100.91 5.58 0.00	58.58 3.86 0.00	72.02 4.58 0.00	61.02 3.70 0.00	50.42 2.96 0.00
GROVEVILLE___HYD 323602	54.28 3.16 0.00	50.28 3.32 0.00	42.76 2.98 0.00	42.74 2.85 0.00	38.40 2.62 0.00	43.62 2.92 0.00	46.35 2.94 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.79 2.79 0.00	51.55 3.43 0.00	50.72 3.46 0.00	55.30 3.68 0.00	53.47 3.67 0.00	53.43 3.47 0.00	50.84 3.74 0.00	57.78 4.35 0.00	53.15 4.27 0.00	51.20 4.12 0.00	102.09 6.75 0.00	58.41 3.69 0.00	71.47 4.04 0.00	60.41 3.08 0.00	50.12 2.66 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
HAMLTNNY_34_KV_TB 80303	51.59 0.26 -0.20	47.57 0.34 -0.26	40.09 0.31 0.00	40.15 0.26 0.00	35.90 0.12 0.00	40.82 0.12 0.00	43.27 -0.19 -0.05	36.12 -0.27 0.00	37.80 -0.31 0.00	39.81 -0.19 0.00	48.07 -0.05 0.00	47.40 0.15 0.00	52.08 0.46 0.00	50.19 0.40 0.00	50.26 0.30 0.00	47.38 0.29 0.00	54.19 0.75 0.00	49.63 0.74 0.00	48.17 1.09 -0.61	98.10 2.15 0.00	55.75 1.03 0.00	68.59 0.73 -0.42	58.15 0.51 -0.32	47.89 0.42 0.00



HAMPSHIRE___PAPER_HYD 323593	51.65 0.45 -0.08	47.36 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.66 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.68 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
HARDSCRABBLE_WT_PWR 323673	52.19 1.06 0.00	48.20 1.23 0.00	40.85 1.07 0.00	40.82 0.92 0.00	36.74 0.95 0.00	41.85 1.15 0.00	44.40 0.99 0.00	36.83 0.45 0.00	38.13 0.03 0.00	39.59 -0.40 0.00	47.38 -0.75 0.00	46.58 -0.68 0.00	50.81 -0.81 0.00	49.33 -0.47 0.00	49.37 -0.58 0.00	47.02 -0.07 0.00	53.18 -0.25 0.00	49.21 0.32 0.00	48.06 0.99 0.00	97.35 2.02 0.00	56.28 1.56 0.00	69.41 1.97 0.00	58.53 1.21 0.00	48.25 0.79 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	53.97 2.84 0.00	50.00 3.04 0.00	42.50 2.72 0.00	42.53 2.63 0.00	38.21 2.42 0.00	43.38 2.68 0.00	46.06 2.65 0.00	38.62 2.23 0.00	40.41 2.31 0.00	42.52 2.53 0.00	51.27 3.14 0.00	50.47 3.21 0.00	55.10 3.48 0.00	53.23 3.44 0.00	53.10 3.15 0.00	50.49 3.40 0.00	57.45 4.01 0.00	52.84 3.96 0.00	50.90 3.82 0.00	101.54 6.20 0.00	58.06 3.33 0.00	70.98 3.55 0.00	59.99 2.67 0.00	49.82 2.36 0.00
HARSNRAD_115KV_TB1 81005	50.44 -0.68 0.00	46.36 -0.61 0.00	39.30 -0.48 0.00	39.31 -0.59 0.00	34.82 -0.96 0.00	39.55 -1.15 0.00	41.17 -2.24 0.00	34.01 -2.37 0.00	36.03 -2.07 0.00	38.42 -1.57 0.00	46.71 -1.42 0.00	46.52 -0.74 0.00	51.60 -0.02 0.00	49.16 -0.64 0.00	48.69 -1.27 0.00	45.59 -1.50 0.00	52.75 -0.68 0.00	47.86 -1.03 0.00	46.83 -0.24 0.00	95.06 -0.28 0.00	53.86 -0.86 0.00	65.35 -2.08 0.00	56.50 -0.82 0.00	47.17 -0.29 0.00
HARZA MOOSE___RIVER 24016	51.99 0.81 -0.06	47.93 0.90 -0.07	40.45 0.67 0.00	40.51 0.61 0.00	36.30 0.51 0.00	41.22 0.52 0.00	43.92 0.50 -0.01	36.92 0.53 0.00	38.65 0.54 0.00	40.57 0.57 0.00	48.69 0.56 0.00	47.55 0.29 0.00	51.89 0.27 0.00	50.32 0.53 0.00	50.51 0.56 0.00	47.52 0.43 0.00	53.75 0.31 0.00	49.36 0.47 0.00	47.87 0.80 0.00	97.43 1.93 -0.17	55.85 1.13 0.00	68.96 1.41 -0.12	58.26 0.85 -0.09	47.85 0.39 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	50.82 -0.31 0.00	46.80 -0.16 0.00	39.71 -0.07 0.00	39.75 -0.15 0.00	35.58 -0.21 0.00	40.45 -0.25 0.00	42.89 -0.52 0.00	35.92 -0.46 0.00	37.65 -0.46 0.00	39.60 -0.40 0.00	47.76 -0.36 0.00	47.02 -0.23 0.00	51.53 -0.09 0.00	49.71 -0.08 0.00	49.74 -0.22 0.00	46.97 -0.12 0.00	53.63 0.19 0.00	49.08 0.19 0.00	47.57 0.49 0.00	96.06 0.72 0.00	54.97 0.25 0.00	67.31 -0.12 0.00	57.11 -0.21 0.00	47.25 -0.21 0.00
HELLGATE_13_KV_LD 55870	54.51 3.38 0.00	50.63 3.67 0.00	43.02 3.24 0.00	43.03 3.13 0.00	38.67 2.88 0.00	43.93 3.23 0.00	46.69 3.28 0.00	39.25 2.87 0.00	41.10 2.99 0.00	43.24 3.24 0.00	52.14 4.01 0.00	51.24 3.98 0.00	55.91 4.28 0.00	54.09 4.29 0.00	53.91 3.96 0.00	51.34 4.25 0.00	58.29 4.86 0.00	53.47 4.58 0.00	51.24 4.17 0.00	101.95 6.61 0.00	58.32 3.60 0.00	71.38 3.95 0.00	60.39 3.08 0.00	50.57 3.11 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	54.51 3.38 0.00	50.63 3.67 0.00	43.02 3.24 0.00	43.03 3.13 0.00	38.67 2.88 0.00	43.93 3.23 0.00	46.69 3.28 0.00	39.25 2.87 0.00	41.10 2.99 0.00	43.24 3.24 0.00	52.14 4.01 0.00	51.24 3.98 0.00	55.91 4.28 0.00	54.09 4.29 0.00	53.91 3.96 0.00	51.34 4.25 0.00	58.29 4.86 0.00	53.47 4.58 0.00	51.24 4.17 0.00	101.95 6.61 0.00	58.32 3.60 0.00	71.38 3.95 0.00	60.39 3.08 0.00	50.57 3.11 0.00
HEMPSTEAD____ 23647	53.77 2.65 0.00	50.21 3.25 0.00	42.61 2.82 0.00	42.56 2.67 0.00	38.21 2.42 0.00	43.51 2.81 0.00	46.06 2.65 0.00	38.60 2.22 0.00	39.22 2.06 0.94	41.30 2.30 0.99	49.91 2.93 1.14	49.19 2.94 1.00	49.80 3.12 4.94	50.46 3.14 2.48	50.74 2.92 2.14	49.14 3.28 1.23	52.15 3.73 5.01	41.95 3.64 10.58	48.79 3.32 1.60	74.62 4.96 25.68	44.00 2.65 13.38	49.32 2.80 20.92	42.31 2.10 17.11	37.15 2.07 12.38
HICKLING___1 23621	51.45 0.32 0.00	47.53 0.57 0.00	40.24 0.46 0.00	40.34 0.44 0.00	35.90 0.11 0.00	40.91 0.21 0.00	43.05 -0.36 0.00	35.87 -0.51 0.00	37.63 -0.47 0.00	39.61 -0.38 0.00	48.02 -0.10 0.00	47.31 0.05 0.00	52.28 0.66 0.00	49.99 0.20 0.00	49.87 -0.09 0.00	47.09 0.00 0.00	54.42 0.98 0.00	49.43 0.54 0.00	48.60 1.52 0.00	98.84 3.50 0.00	56.11 1.39 0.00	68.34 0.91 0.00	57.99 0.66 0.00	47.98 0.52 0.00
HICKLING___2 23622	51.45 0.32 0.00	47.53 0.57 0.00	40.24 0.46 0.00	40.34 0.44 0.00	35.90 0.11 0.00	40.91 0.21 0.00	43.05 -0.36 0.00	35.87 -0.51 0.00	37.63 -0.47 0.00	39.61 -0.38 0.00	48.02 -0.10 0.00	47.31 0.05 0.00	52.28 0.66 0.00	49.99 0.20 0.00	49.87 -0.09 0.00	47.09 0.00 0.00	54.42 0.98 0.00	49.43 0.54 0.00	48.60 1.52 0.00	98.84 3.50 0.00	56.11 1.39 0.00	68.34 0.91 0.00	57.99 0.66 0.00	47.98 0.52 0.00
HIGH FALLS___HY 23754	54.32 3.20 0.00	50.28 3.31 0.00	42.74 2.96 0.00	42.74 2.84 0.00	38.35 2.57 0.00	43.58 2.88 0.00	46.29 2.88 0.00	38.87 2.48 0.00	40.70 2.59 0.00	42.87 2.87 0.00	51.68 3.55 0.00	50.80 3.55 0.00	55.40 3.78 0.00	53.48 3.69 0.00	53.51 3.55 0.00	50.67 3.58 0.00	57.76 4.33 0.00	53.26 4.37 0.00	51.44 4.36 0.00	102.75 7.41 0.00	58.69 3.97 0.00	71.72 4.28 0.00	60.60 3.28 0.00	50.28 2.82 0.00
HIGH_RIVER___SOLAR 323847	53.35 2.22 0.00	49.16 2.19 0.00	41.70 1.92 0.00	41.74 1.85 0.00	37.45 1.66 0.00	42.59 1.89 0.00	45.18 1.77 0.00	37.51 1.13 0.00	38.83 0.73 0.00	40.44 0.45 0.00	48.46 0.34 0.00	47.59 0.33 0.00	51.93 0.32 0.00	50.18 0.39 0.00	50.31 0.36 0.00	47.61 0.52 0.00	54.07 0.64 0.00	50.02 1.14 0.00	48.70 1.63 0.00	99.15 3.81 0.00	57.31 2.59 0.00	70.44 3.00 0.00	59.68 2.36 0.00	49.36 1.90 0.00
HILLBURN___GT 23639	53.74 2.62 0.00	49.82 2.85 0.00	42.36 2.58 0.00	42.40 2.50 0.00	38.10 2.31 0.00	43.24 2.54 0.00	45.93 2.52 0.00	38.49 2.10 0.00	40.26 2.16 0.00	42.34 2.35 0.00	51.07 2.94 0.00	50.23 2.97 0.00	54.86 3.24 0.00	52.99 3.20 0.00	52.85 2.90 0.00	50.27 3.18 0.00	57.16 3.73 0.00	52.54 3.65 0.00	50.54 3.47 0.00	100.77 5.44 0.00	57.65 2.93 0.00	70.52 3.09 0.00	59.62 2.30 0.00	49.59 2.14 0.00
HILLSIDE_115KV_TB1 80332	50.74 -0.38 0.00	46.91 -0.06 0.00	39.72 -0.06 0.00	39.84 -0.06 0.00	35.48 -0.31 0.00	40.44 -0.25 0.00	42.61 -0.80 0.00	35.59 -0.80 0.00	37.36 -0.74 0.00	39.30 -0.69 0.00	47.65 -0.48 0.00	46.88 -0.37 0.00	51.87 0.25 0.00	49.79 -0.01 0.00	49.61 -0.34 0.00	46.88 -0.21 0.00	53.84 0.40 0.00	48.86 -0.03 0.00	47.96 0.89 0.00	97.30 1.96 0.00	55.20 0.47 0.00	67.34 -0.10 0.00	57.20 -0.12 0.00	47.42 -0.05 0.00



HISHELDN_WT_PWR 323625	50.72 -0.41 0.00	46.70 -0.26 0.00	39.54 -0.24 0.00	39.57 -0.33 0.00	35.10 -0.69 0.00	39.91 -0.79 0.00	41.59 -1.82 0.00	34.39 -1.99 0.01	36.28 -1.83 0.00	38.54 -1.45 0.00	46.92 -1.21 0.00	46.54 -0.72 0.00	51.51 -0.11 0.00	49.00 -0.79 0.00	48.65 -1.31 0.00	45.75 -1.34 0.00	53.03 -0.41 0.00	48.15 -0.74 0.00	47.21 0.14 0.00	96.30 0.97 0.00	54.68 -0.04 0.00	66.43 -1.00 0.00	56.94 -0.38 0.00	47.29 -0.17 0.00
HOLTSVILLE_IC_1 23690	53.03 1.91 0.00	49.92 2.96 0.00	42.39 2.61 0.00	42.26 2.37 0.00	37.90 2.11 0.00	43.29 2.59 0.00	45.68 2.27 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.82 1.82 2.00	48.12 2.29 2.30	47.59 2.34 2.01	43.76 2.43 10.29	46.92 2.49 5.36	47.80 2.43 4.58	47.42 2.81 2.47	45.89 3.03 10.58	29.13 3.11 22.87	46.13 2.79 3.72	45.00 3.86 54.20	28.26 2.14 28.60	25.65 2.24 44.02	22.26 1.62 36.68	22.38 1.46 26.53
HOLTSVILLE_IC_10 23699	53.34 2.21 0.00	50.20 3.23 0.00	42.60 2.82 0.00	42.47 2.58 0.00	38.08 2.29 0.00	43.51 2.81 0.00	45.93 2.52 0.00	38.45 2.06 0.00	38.07 1.84 1.88	40.09 2.08 1.98	48.52 2.67 2.28	47.98 2.72 2.00	44.25 2.83 10.20	47.34 2.86 5.32	48.28 2.86 4.54	47.87 3.23 2.45	46.43 3.49 10.49	29.74 3.53 22.67	46.58 3.20 3.69	46.25 4.67 53.76	28.94 2.58 28.36	26.56 2.78 43.65	22.99 2.04 36.37	22.91 1.76 26.31
HOLTSVILLE_IC_2 23691	53.03 1.91 0.00	49.92 2.96 0.00	42.39 2.61 0.00	42.26 2.37 0.00	37.90 2.11 0.00	43.29 2.59 0.00	45.68 2.27 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.82 1.82 2.00	48.12 2.29 2.30	47.59 2.34 2.01	43.76 2.43 10.29	46.92 2.49 5.36	47.80 2.43 4.58	47.42 2.81 2.47	45.89 3.03 10.58	29.13 3.11 22.87	46.13 2.79 3.72	45.00 3.86 54.20	28.26 2.14 28.60	25.65 2.24 44.02	22.26 1.62 36.68	22.38 1.46 26.53
HOLTSVILLE_IC_3 23692	53.03 1.91 0.00	49.92 2.96 0.00	42.39 2.61 0.00	42.26 2.37 0.00	37.90 2.11 0.00	43.29 2.59 0.00	45.68 2.27 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.82 1.82 2.00	48.12 2.29 2.30	47.59 2.34 2.01	43.76 2.43 10.29	46.92 2.49 5.36	47.80 2.43 4.58	47.42 2.81 2.47	45.89 3.03 10.58	29.13 3.11 22.87	46.13 2.79 3.72	45.00 3.86 54.20	28.26 2.14 28.60	25.65 2.24 44.02	22.26 1.62 36.68	22.38 1.46 26.53
HOLTSVILLE_IC_4 23693	53.03 1.91 0.00	49.92 2.96 0.00	42.39 2.61 0.00	42.26 2.37 0.00	37.90 2.11 0.00	43.29 2.59 0.00	45.68 2.27 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.82 1.82 2.00	48.12 2.29 2.30	47.59 2.34 2.01	43.76 2.43 10.29	46.92 2.49 5.36	47.80 2.43 4.58	47.42 2.81 2.47	45.89 3.03 10.58	29.13 3.11 22.87	46.13 2.79 3.72	45.00 3.86 54.20	28.26 2.14 28.60	25.65 2.24 44.02	22.26 1.62 36.68	22.38 1.46 26.53
HOLTSVILLE_IC_5 23694	53.03 1.91 0.00	49.92 2.96 0.00	42.39 2.61 0.00	42.26 2.37 0.00	37.90 2.11 0.00	43.29 2.59 0.00	45.68 2.27 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.82 1.82 2.00	48.12 2.29 2.30	47.59 2.34 2.01	43.76 2.43 10.29	46.92 2.49 5.36	47.80 2.43 4.58	47.42 2.81 2.47	45.89 3.03 10.58	29.13 3.11 22.87	46.13 2.79 3.72	45.00 3.86 54.20	28.26 2.14 28.60	25.65 2.24 44.02	22.26 1.62 36.68	22.38 1.46 26.53
HOLTSVILLE_IC_6 23695	53.34 2.21 0.00	50.20 3.23 0.00	42.60 2.82 0.00	42.47 2.58 0.00	38.08 2.29 0.00	43.51 2.81 0.00	45.93 2.52 0.00	38.45 2.06 0.00	38.07 1.84 1.88	40.09 2.08 1.98	48.52 2.67 2.28	47.98 2.72 2.00	44.25 2.83 10.20	47.34 2.86 5.32	48.28 2.86 4.54	47.87 3.23 2.45	46.43 3.49 10.49	29.74 3.53 22.67	46.58 3.20 3.69	46.25 4.67 53.76	28.94 2.58 28.36	26.56 2.78 43.65	22.99 2.04 36.37	22.91 1.76 26.31
HOLTSVILLE_IC_7 23696	53.34 2.21 0.00	50.20 3.23 0.00	42.60 2.82 0.00	42.47 2.58 0.00	38.08 2.29 0.00	43.51 2.81 0.00	45.93 2.52 0.00	38.45 2.06 0.00	38.07 1.84 1.88	40.09 2.08 1.98	48.52 2.67 2.28	47.98 2.72 2.00	44.25 2.83 10.20	47.34 2.86 5.32	48.28 2.86 4.54	47.87 3.23 2.45	46.43 3.49 10.49	29.74 3.53 22.67	46.58 3.20 3.69	46.25 4.67 53.76	28.94 2.58 28.36	26.56 2.78 43.65	22.99 2.04 36.37	22.91 1.76 26.31
HOLTSVILLE_IC_8 23697	53.34 2.21 0.00	50.20 3.23 0.00	42.60 2.82 0.00	42.47 2.58 0.00	38.08 2.29 0.00	43.51 2.81 0.00	45.93 2.52 0.00	38.45 2.06 0.00	38.07 1.84 1.88	40.09 2.08 1.98	48.52 2.67 2.28	47.98 2.72 2.00	44.25 2.83 10.20	47.34 2.86 5.32	48.28 2.86 4.54	47.87 3.23 2.45	46.43 3.49 10.49	29.74 3.53 22.67	46.58 3.20 3.69	46.25 4.67 53.76	28.94 2.58 28.36	26.56 2.78 43.65	22.99 2.04 36.37	22.91 1.76 26.31
HOLTSVILLE_IC_9 23698	53.34 2.21 0.00	50.20 3.23 0.00	42.60 2.82 0.00	42.47 2.58 0.00	38.08 2.29 0.00	43.51 2.81 0.00	45.93 2.52 0.00	38.45 2.06 0.00	38.07 1.84 1.88	40.09 2.08 1.98	48.52 2.67 2.28	47.98 2.72 2.00	44.25 2.83 10.20	47.34 2.86 5.32	48.28 2.86 4.54	47.87 3.23 2.45	46.43 3.49 10.49	29.74 3.53 22.67	46.58 3.20 3.69	46.25 4.67 53.76	28.94 2.58 28.36	26.56 2.78 43.65	22.99 2.04 36.37	22.91 1.76 26.31
HOMER_HL_115KV_TB2 355744	50.70 -0.42 0.00	46.69 -0.27 0.00	39.54 -0.24 0.00	39.67 -0.22 0.00	35.29 -0.49 0.00	40.16 -0.54 0.00	42.21 -1.21 0.00	35.32 -1.07 0.00	37.27 -0.83 0.00	39.42 -0.57 0.00	47.68 -0.44 0.00	46.77 -0.48 0.00	51.62 0.00 0.00	49.23 -0.56 0.00	48.77 -1.19 0.00	45.86 -1.23 0.00	53.19 -0.25 0.00	48.10 -0.79 0.00	47.20 0.12 0.00	95.72 0.39 0.00	54.21 -0.51 0.00	66.12 -1.32 0.00	56.68 -0.64 0.00	47.51 0.05 0.00
HOWARD_WT_PWR 323690	52.06 0.93 0.00	48.01 1.05 0.00	40.54 0.76 0.00	40.56 0.67 0.00	36.09 0.30 0.00	41.13 0.43 0.00	42.97 -0.44 0.00	35.49 -0.90 -0.01	37.07 -1.04 0.00	38.94 -1.06 0.00	47.59 -0.53 0.00	47.01 -0.25 0.00	51.62 0.00 0.00	49.11 -0.69 0.00	49.06 -0.89 0.00	46.32 -0.78 0.00	53.76 0.33 0.00	48.87 -0.02 0.00	48.16 1.08 0.00	99.02 3.68 0.00	56.53 1.81 0.00	68.75 1.31 0.00	58.09 0.77 0.00	47.85 0.39 0.00
HQ_GEN_CEDARS 23644	51.39 0.26 0.00	46.78 -0.19 0.00	39.47 -0.31 0.00	39.69 -0.21 0.00	35.59 -0.20 0.00	40.52 -0.18 0.00	43.63 0.22 0.00	36.63 0.25 0.00	38.49 0.38 0.00	40.47 0.47 0.00	48.71 0.59 0.00	47.59 0.33 0.00	51.79 0.17 0.00	49.84 0.05 0.00	49.91 -0.04 0.00	46.58 -0.52 0.00	52.75 -0.68 0.00	47.98 -0.91 0.00	46.00 -1.07 0.00	94.35 -0.98 0.00	54.24 -0.48 0.00	67.38 -0.05 0.00	57.58 0.26 0.00	47.83 0.37 0.00
HQ_GEN_CEDARS_PROXY 323590	51.39 0.26 0.00	46.78 -0.18 0.00	39.47 -0.31 0.00	39.69 -0.21 0.00	35.59 -0.20 0.00	39.34 -0.18 1.18	42.86 0.22 0.78	36.64 0.25 0.00	38.49 0.38 0.00	40.47 0.47 0.00	48.71 0.59 0.00	47.59 0.33 0.00	51.79 0.17 0.00	49.84 0.05 0.00	49.91 -0.04 0.00	46.57 -0.52 0.00	52.75 -0.68 0.00	47.98 -0.91 0.00	46.00 -1.07 0.00	94.35 -0.99 0.00	54.24 -0.49 0.00	67.38 -0.05 0.00	57.96 0.26 -0.37	47.83 0.37 0.00



HQ_GEN_IMPORT 323601	51.00 -0.12 0.00	46.53 -0.43 0.00	39.23 -0.55 0.00	39.47 -0.43 0.00	35.40 -0.38 0.00	40.30 -0.40 0.00	45.12 -0.08 -1.80	36.39 0.00 0.00	38.15 0.05 0.00	40.06 0.07 0.00	48.22 0.10 0.00	47.24 -0.02 0.00	51.56 -0.06 0.00	49.73 -0.13 -0.07	49.79 -0.17 0.00	45.76 -0.52 0.81	52.57 -0.65 0.21	48.10 -0.79 0.00	33.76 -0.97 12.35	94.26 -1.08 0.00	54.08 -0.65 0.00	67.09 -0.34 0.00	57.43 -0.10 -0.21	45.86 -0.11 1.49
HQ_GEN_WHEEL 23651	51.00 -0.12 0.00	46.53 -0.43 0.00	39.23 -0.55 0.00	39.47 -0.43 0.00	35.40 -0.38 0.00	40.30 -0.40 0.00	45.12 -0.08 -1.80	36.39 0.00 0.00	38.15 0.05 0.00	40.06 0.07 0.00	48.22 0.10 0.00	47.24 -0.02 0.00	51.56 -0.06 0.00	49.73 -0.13 -0.07	49.79 -0.17 0.00	45.76 -0.52 0.81	52.57 -0.65 0.21	48.10 -0.79 0.00	33.76 -0.97 12.35	94.26 -1.08 0.00	54.08 -0.65 0.00	67.09 -0.34 0.00	57.43 -0.10 -0.21	45.86 -0.11 1.49
HUDSON AVE_GT_3 23810	54.27 3.14 0.00	50.36 3.40 0.00	42.84 3.06 0.00	42.82 2.93 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.44 3.02 0.00	39.02 2.64 0.00	40.84 2.74 0.00	42.99 3.00 0.00	51.79 3.66 0.00	50.92 3.66 0.00	55.55 3.92 0.00	53.69 3.90 0.00	53.52 3.57 0.00	50.98 3.88 0.00	57.87 4.44 0.00	53.18 4.29 0.00	51.03 3.96 0.00	101.49 6.15 0.00	58.09 3.37 0.00	71.05 3.62 0.00	60.11 2.79 0.00	50.13 2.67 0.00
HUDSON AVE_GT_4 23540	54.27 3.14 0.00	50.36 3.40 0.00	42.84 3.06 0.00	42.82 2.93 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.44 3.02 0.00	39.02 2.64 0.00	40.84 2.74 0.00	42.99 3.00 0.00	51.79 3.66 0.00	50.92 3.66 0.00	55.55 3.92 0.00	53.69 3.90 0.00	53.52 3.57 0.00	50.98 3.88 0.00	57.87 4.44 0.00	53.18 4.29 0.00	51.03 3.96 0.00	101.49 6.15 0.00	58.09 3.37 0.00	71.05 3.62 0.00	60.11 2.79 0.00	50.13 2.67 0.00
HUDSON AVE_GT_5 23657	54.27 3.14 0.00	50.36 3.40 0.00	42.84 3.06 0.00	42.82 2.93 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.44 3.02 0.00	39.02 2.64 0.00	40.84 2.74 0.00	42.99 3.00 0.00	51.79 3.66 0.00	50.92 3.66 0.00	55.55 3.92 0.00	53.69 3.90 0.00	53.52 3.57 0.00	50.98 3.88 0.00	57.87 4.44 0.00	53.18 4.29 0.00	51.03 3.96 0.00	101.49 6.15 0.00	58.09 3.37 0.00	71.05 3.62 0.00	60.11 2.79 0.00	50.13 2.67 0.00
HUDSON_AVE_10 24168	54.12 2.99 0.00	50.23 3.27 0.00	42.73 2.95 0.00	42.72 2.82 0.00	38.39 2.60 0.00	43.59 2.90 0.00	46.32 2.91 0.00	38.94 2.56 0.00	40.75 2.65 0.00	42.90 2.91 0.00	51.64 3.51 0.00	50.77 3.51 0.00	55.39 3.77 0.00	53.65 3.77 -0.09	53.39 3.43 0.00	50.84 3.75 0.00	57.73 4.28 -0.01	53.16 4.17 -0.11	51.18 3.82 -0.28	102.43 5.86 -1.23	58.21 3.21 -0.28	70.97 3.44 -0.09	59.98 2.66 0.00	50.03 2.56 0.00
HUDSON___115KV_TB 4 355613	52.74 1.62 0.00	48.76 1.80 0.00	41.48 1.70 0.00	41.44 1.55 0.00	37.35 1.56 0.00	42.28 1.59 0.00	44.91 1.50 0.00	37.60 1.21 0.00	39.10 1.00 0.00	40.70 0.71 0.00	48.62 0.49 0.00	47.77 0.52 0.00	52.01 0.39 0.00	50.35 0.55 0.00	50.57 0.61 0.00	48.17 1.08 0.00	54.46 1.02 0.00	50.21 1.32 0.00	48.72 1.65 0.00	98.01 2.68 0.00	56.63 1.90 0.00	69.60 2.17 0.00	58.78 1.45 0.00	48.49 1.03 0.00
HUNTER MOUNT___DRP 323613	52.98 1.86 0.00	48.96 2.00 0.00	41.64 1.86 0.00	41.60 1.70 0.00	37.47 1.69 0.00	42.46 1.75 0.00	45.09 1.68 0.00	37.75 1.36 0.00	39.28 1.17 0.00	40.82 0.83 0.00	48.74 0.61 0.00	47.95 0.69 0.00	52.20 0.58 0.00	50.54 0.74 0.00	50.85 0.90 0.00	48.28 1.19 0.00	54.74 1.31 0.00	50.53 1.65 0.00	49.00 1.93 0.00	98.69 3.35 0.00	57.03 2.31 0.00	70.09 2.66 0.00	59.14 1.82 0.00	48.72 1.26 0.00
HUNTINGTON_RES_REC 323705	53.23 2.10 0.00	50.15 3.19 0.00	42.57 2.79 0.00	42.46 2.56 0.00	38.07 2.29 0.00	43.46 2.76 0.00	45.84 2.43 0.00	38.33 1.95 0.00	37.88 1.65 1.88	39.89 1.88 1.98	48.18 2.33 2.27	47.65 2.38 1.99	44.02 2.57 10.17	47.17 2.67 5.30	48.02 2.59 4.53	47.63 2.99 2.45	46.20 3.23 10.46	29.49 3.21 22.60	46.25 2.86 3.68	45.64 3.90 53.60	28.59 2.14 28.27	26.07 2.15 43.52	22.55 1.49 36.25	22.64 1.41 26.22
HUNTLEY___63 23557	50.78 -0.34 0.00	46.66 -0.31 0.00	39.52 -0.26 0.00	39.50 -0.39 0.00	35.00 -0.79 0.00	39.78 -0.92 0.00	41.43 -1.98 0.00	34.36 -2.02 0.00	36.48 -1.62 0.00	38.98 -1.01 0.00	47.48 -0.64 0.00	47.32 0.06 0.00	52.52 0.90 0.00	49.97 0.18 0.00	49.46 -0.49 0.00	46.19 -0.90 0.00	53.39 -0.05 0.00	48.40 -0.49 0.00	47.34 0.26 0.00	95.97 0.64 0.00	54.32 -0.40 0.00	66.06 -1.38 0.00	57.21 -0.11 0.00	47.75 0.29 0.00
HUNTLEY___64 23558	50.78 -0.34 0.00	46.66 -0.31 0.00	39.52 -0.26 0.00	39.50 -0.39 0.00	35.00 -0.79 0.00	39.78 -0.92 0.00	41.43 -1.98 0.00	34.36 -2.02 0.00	36.48 -1.62 0.00	38.98 -1.01 0.00	47.48 -0.64 0.00	47.32 0.06 0.00	52.52 0.90 0.00	49.97 0.18 0.00	49.46 -0.49 0.00	46.19 -0.90 0.00	53.39 -0.05 0.00	48.40 -0.49 0.00	47.34 0.26 0.00	95.97 0.64 0.00	54.32 -0.40 0.00	66.06 -1.38 0.00	57.21 -0.11 0.00	47.75 0.29 0.00
HUNTLEY___65 23559	50.78 -0.34 0.00	46.66 -0.31 0.00	39.52 -0.26 0.00	39.50 -0.39 0.00	35.00 -0.79 0.00	39.78 -0.92 0.00	41.43 -1.98 0.00	34.36 -2.02 0.00	36.48 -1.62 0.00	38.98 -1.01 0.00	47.48 -0.64 0.00	47.32 0.06 0.00	52.52 0.90 0.00	49.97 0.18 0.00	49.46 -0.49 0.00	46.19 -0.90 0.00	53.39 -0.05 0.00	48.40 -0.49 0.00	47.34 0.26 0.00	95.97 0.64 0.00	54.32 -0.40 0.00	66.06 -1.38 0.00	57.21 -0.11 0.00	47.75 0.29 0.00
HUNTLEY___66 23560	50.78 -0.34 0.00	46.66 -0.31 0.00	39.52 -0.26 0.00	39.50 -0.39 0.00	35.00 -0.79 0.00	39.78 -0.92 0.00	41.43 -1.98 0.00	34.36 -2.02 0.00	36.48 -1.62 0.00	38.98 -1.01 0.00	47.48 -0.64 0.00	47.32 0.06 0.00	52.52 0.90 0.00	49.97 0.18 0.00	49.46 -0.49 0.00	46.19 -0.90 0.00	53.39 -0.05 0.00	48.40 -0.49 0.00	47.34 0.26 0.00	95.97 0.64 0.00	54.32 -0.40 0.00	66.06 -1.38 0.00	57.21 -0.11 0.00	47.75 0.29 0.00
HUNTLEY___67 23561	50.38 -0.75 0.00	46.34 -0.63 0.00	39.26 -0.52 0.00	39.28 -0.62 0.00	34.80 -0.99 0.00	39.56 -1.14 0.00	41.21 -2.20 0.00	34.22 -2.16 0.00	36.31 -1.79 0.00	38.77 -1.22 0.00	47.25 -0.87 0.00	47.01 -0.25 0.00	52.15 0.53 0.00	49.64 -0.15 0.00	49.20 -0.75 0.00	46.09 -1.00 0.00	53.36 -0.07 0.00	48.36 -0.53 0.00	47.31 0.24 0.00	95.94 0.61 0.00	54.29 -0.43 0.00	65.86 -1.58 0.00	56.83 -0.49 0.00	47.43 -0.04 0.00
HUNTLEY___68 23562	50.38 -0.75 0.00	46.34 -0.63 0.00	39.26 -0.52 0.00	39.28 -0.62 0.00	34.80 -0.99 0.00	39.56 -1.14 0.00	41.21 -2.20 0.00	34.22 -2.16 0.00	36.31 -1.79 0.00	38.77 -1.22 0.00	47.25 -0.87 0.00	47.01 -0.25 0.00	52.15 0.53 0.00	49.64 -0.15 0.00	49.20 -0.75 0.00	46.09 -1.00 0.00	53.36 -0.07 0.00	48.36 -0.53 0.00	47.31 0.24 0.00	95.94 0.61 0.00	54.29 -0.43 0.00	65.86 -1.58 0.00	56.83 -0.49 0.00	47.43 -0.04 0.00



HYLAND___LFGE 323620	53.73 2.60 0.00	49.75 2.79 0.00	42.01 2.23 0.00	41.99 2.10 0.00	37.35 1.57 0.00	42.55 1.85 0.00	44.72 1.31 0.00	36.81 0.42 -0.01	37.92 -0.18 0.00	39.74 -0.26 0.00	47.60 -0.53 0.00	46.87 -0.39 0.00	51.72 0.10 0.00	49.50 -0.29 0.00	49.34 -0.61 0.00	46.49 -0.60 0.00	53.75 0.31 0.00	49.02 0.13 0.00	47.98 0.91 0.00	99.62 4.28 0.00	57.93 3.21 0.00	70.65 3.22 0.00	59.95 2.63 0.00	49.36 1.89 0.00
INDECK___CORINTH 23802	53.46 2.34 0.00	49.54 2.58 0.00	42.01 2.22 0.00	41.96 2.07 0.00	37.71 1.93 0.00	42.95 2.24 0.00	45.72 2.31 0.00	38.09 1.71 0.00	39.68 1.58 0.00	41.34 1.34 0.00	49.17 1.05 0.00	48.33 1.07 0.00	52.53 0.92 0.00	50.86 1.06 0.00	51.24 1.29 0.00	48.77 1.68 0.00	55.40 1.97 0.00	51.10 2.21 0.00	50.02 2.95 0.00	100.62 5.28 0.00	58.07 3.35 0.00	71.19 3.76 0.00	59.93 2.61 0.00	49.27 1.81 0.00
INDECK___ILION 23567	51.82 0.69 0.00	47.81 0.85 0.00	40.56 0.78 0.00	40.58 0.68 0.00	36.47 0.68 0.00	41.50 0.80 0.00	44.09 0.68 0.00	36.73 0.35 0.00	38.22 0.12 0.00	39.89 -0.10 0.00	47.87 -0.25 0.00	47.03 -0.22 0.00	51.35 -0.27 0.00	49.70 -0.09 0.00	49.81 -0.15 0.00	47.25 0.16 0.00	53.54 0.10 0.00	49.30 0.41 0.00	47.85 0.78 0.00	96.78 1.44 0.00	55.77 1.04 0.00	68.66 1.23 0.00	58.06 0.74 0.00	47.95 0.49 0.00
INDECK___OLEAN 23982	50.70 -0.42 0.00	46.70 -0.27 0.00	39.54 -0.24 0.00	39.67 -0.22 0.00	35.29 -0.49 0.00	40.16 -0.54 0.00	42.21 -1.21 0.00	35.31 -1.07 0.00	37.27 -0.83 0.00	39.42 -0.57 0.00	47.69 -0.44 0.00	46.76 -0.50 0.00	51.62 0.00 0.00	49.24 -0.56 0.00	48.77 -1.19 0.00	45.86 -1.23 0.00	53.20 -0.24 0.00	48.10 -0.79 0.00	47.20 0.13 0.00	95.74 0.41 0.00	54.21 -0.51 0.00	66.12 -1.32 0.00	56.67 -0.64 0.00	47.51 0.05 0.00
INDECK___OSWEGO 23783	50.80 -1.05 -0.72	47.01 -0.86 -0.91	39.14 -0.64 0.00	39.18 -0.71 0.00	35.09 -0.70 0.00	39.89 -0.81 0.00	42.50 -1.08 -0.16	35.48 -0.91 0.00	37.17 -0.93 0.00	39.07 -0.93 0.00	46.98 -1.15 0.00	45.95 -1.31 0.00	50.17 -1.45 0.00	48.38 -1.41 0.00	48.47 -1.49 0.00	45.74 -1.35 0.00	52.06 -1.37 0.00	47.69 -1.20 0.00	46.17 -0.90 0.00	95.43 -2.06 -2.16	53.51 -1.22 0.00	67.16 -1.77 -1.50	56.91 -1.55 -1.14	46.41 -1.05 0.00
INDECK___YERKES 23781	50.83 -0.29 0.00	46.71 -0.25 0.00	39.55 -0.23 0.00	39.54 -0.36 0.00	35.03 -0.76 0.00	39.82 -0.88 0.00	41.48 -1.93 0.00	34.40 -1.98 0.00	36.52 -1.58 0.00	39.03 -0.97 0.00	47.54 -0.59 0.00	47.34 0.09 0.00	52.58 0.96 0.00	50.02 0.23 0.00	49.46 -0.50 0.00	46.18 -0.91 0.00	53.38 -0.05 0.00	48.39 -0.50 0.00	47.34 0.26 0.00	95.95 0.61 0.00	54.30 -0.42 0.00	66.11 -1.33 0.00	57.27 -0.05 0.00	47.80 0.34 0.00
INDIAN POINT_GT_1 24139	53.71 2.59 0.00	49.82 2.86 0.00	42.39 2.60 0.00	42.38 2.48 0.00	38.10 2.31 0.00	43.26 2.56 0.00	45.94 2.53 0.00	38.53 2.14 0.00	40.28 2.18 0.00	42.35 2.36 0.00	51.04 2.91 0.00	50.17 2.91 0.00	54.75 3.13 0.00	52.92 3.13 0.00	52.80 2.84 0.00	50.23 3.14 0.00	57.04 3.61 0.00	52.43 3.55 0.00	50.41 3.33 0.00	100.49 5.15 0.00	57.54 2.82 0.00	70.41 2.98 0.00	59.56 2.24 0.00	49.56 2.10 0.00
INDIAN POINT_GT_2 23659	53.71 2.59 0.00	49.82 2.86 0.00	42.39 2.60 0.00	42.38 2.48 0.00	38.10 2.31 0.00	43.26 2.56 0.00	45.94 2.53 0.00	38.53 2.14 0.00	40.28 2.18 0.00	42.35 2.36 0.00	51.04 2.91 0.00	50.17 2.91 0.00	54.75 3.13 0.00	52.92 3.13 0.00	52.80 2.84 0.00	50.23 3.14 0.00	57.04 3.61 0.00	52.43 3.55 0.00	50.41 3.33 0.00	100.49 5.15 0.00	57.54 2.82 0.00	70.41 2.98 0.00	59.56 2.24 0.00	49.56 2.10 0.00
INDIAN POINT_GT_3 24019	53.71 2.59 0.00	49.82 2.86 0.00	42.39 2.60 0.00	42.38 2.48 0.00	38.10 2.31 0.00	43.26 2.56 0.00	45.94 2.53 0.00	38.53 2.14 0.00	40.28 2.18 0.00	42.35 2.36 0.00	51.04 2.91 0.00	50.17 2.91 0.00	54.75 3.13 0.00	52.92 3.13 0.00	52.80 2.84 0.00	50.23 3.14 0.00	57.04 3.61 0.00	52.43 3.55 0.00	50.41 3.33 0.00	100.49 5.15 0.00	57.54 2.82 0.00	70.41 2.98 0.00	59.56 2.24 0.00	49.56 2.10 0.00
INDIAN POINT___2 23530	53.66 2.54 0.00	49.78 2.81 0.00	42.34 2.55 0.00	42.36 2.46 0.00	38.06 2.28 0.00	43.22 2.52 0.00	45.89 2.48 0.00	38.47 2.08 0.00	40.22 2.12 0.00	42.30 2.31 0.00	50.97 2.85 0.00	50.11 2.86 0.00	54.70 3.08 0.00	52.85 3.06 0.00	52.72 2.77 0.00	50.16 3.06 0.00	56.97 3.54 0.00	52.35 3.46 0.00	50.36 3.28 0.00	100.36 5.02 0.00	57.46 2.73 0.00	70.32 2.89 0.00	59.48 2.16 0.00	49.51 2.05 0.00
INDIAN POINT___3 23531	53.65 2.52 0.00	49.76 2.79 0.00	42.32 2.54 0.00	42.34 2.45 0.00	38.06 2.27 0.00	43.20 2.50 0.00	45.88 2.47 0.00	38.46 2.08 0.00	40.21 2.11 0.00	42.28 2.29 0.00	50.95 2.82 0.00	50.08 2.82 0.00	54.65 3.03 0.00	52.82 3.03 0.00	52.70 2.74 0.00	50.13 3.04 0.00	56.93 3.49 0.00	52.33 3.44 0.00	50.31 3.24 0.00	100.28 4.94 0.00	57.43 2.71 0.00	70.29 2.86 0.00	59.46 2.14 0.00	49.49 2.03 0.00
INGHAM_C_115KV_TB7 356103	52.28 1.16 0.00	48.40 1.44 0.00	41.12 1.33 0.00	41.07 1.18 0.00	36.99 1.20 0.00	42.12 1.43 0.00	44.63 1.22 0.00	36.88 0.49 0.00	38.05 -0.05 0.00	39.40 -0.59 0.00	47.07 -1.06 0.00	46.26 -1.00 0.00	50.48 -1.14 0.00	49.05 -0.74 0.00	49.08 -0.88 0.00	46.87 -0.23 0.00	53.02 -0.41 0.00	49.18 0.29 0.00	48.20 1.12 0.00	97.62 2.29 0.00	56.55 1.83 0.00	69.76 2.32 0.00	58.69 1.37 0.00	48.31 0.85 0.00
IP CORINTH___1 23988	53.75 2.63 0.00	49.77 2.81 0.00	42.21 2.43 0.00	42.17 2.28 0.00	37.90 2.12 0.00	43.15 2.45 0.00	45.96 2.55 0.00	38.30 1.92 0.00	39.90 1.80 0.00	41.56 1.57 0.00	49.47 1.34 0.00	48.60 1.35 0.00	52.83 1.21 0.00	51.15 1.35 0.00	51.53 1.57 0.00	49.05 1.95 0.00	55.72 2.28 0.00	51.38 2.49 0.00	50.29 3.22 0.00	101.16 5.83 0.00	58.38 3.66 0.00	71.58 4.14 0.00	60.27 2.95 0.00	49.55 2.09 0.00
IP___TICONDEROGA 23804	56.70 5.58 0.00	52.71 5.75 0.00	44.52 4.74 0.00	44.30 4.41 0.00	39.77 3.98 0.00	45.54 4.83 0.00	48.69 5.28 0.00	40.24 3.85 0.00	41.49 3.38 0.00	42.89 2.90 0.00	50.99 2.86 0.00	50.10 2.84 0.00	53.58 1.97 0.00	52.34 2.55 0.00	53.35 3.39 0.00	51.37 4.28 0.00	58.24 4.81 0.00	52.80 3.91 0.00	52.31 5.24 0.00	106.24 10.91 0.00	61.44 6.72 0.00	76.19 8.76 0.00	63.36 6.03 0.00	51.27 3.81 0.00
ISLIP_RES_REC 323679	53.66 2.54 0.00	50.49 3.53 0.00	42.84 3.05 0.00	42.70 2.81 0.00	38.27 2.48 0.00	43.75 3.05 0.00	46.19 2.78 0.00	38.69 2.31 0.00	38.34 2.11 1.87	40.41 2.39 1.97	48.94 3.08 2.27	48.40 3.13 1.98	44.71 3.24 10.14	47.74 3.23 5.28	48.73 3.29 4.52	48.29 3.64 2.44	46.96 3.95 10.43	30.32 3.97 22.54	47.02 3.62 3.67	47.39 5.51 53.46	29.56 3.04 28.20	27.35 3.32 43.41	23.62 2.46 36.16	23.37 2.07 26.16



JAMAICA__27_KV_LOAD 355505	54.53 3.41 0.00	50.60 3.63 0.00	43.05 3.27 0.00	43.04 3.14 0.00	38.68 2.90 0.00	43.88 3.19 0.00	46.64 3.23 0.00	39.24 2.85 0.00	41.06 2.96 0.00	43.20 3.21 0.00	51.92 3.79 0.00	51.07 3.81 0.00	55.73 4.10 0.00	54.03 4.12 -0.11	53.74 3.79 0.00	51.14 4.05 0.00	58.15 4.70 -0.01	53.63 4.61 -0.13	51.67 4.24 -0.35	103.57 6.69 -1.53	58.79 3.71 -0.36	71.61 4.06 -0.12	60.58 3.26 0.00	50.50 3.03 0.00
JANIS__SOLAR 323808	53.55 2.42 0.00	49.22 2.26 0.00	41.65 1.87 0.00	41.57 1.67 0.00	37.12 1.33 0.00	42.47 1.77 0.00	45.13 1.71 0.00	37.68 1.29 0.00	38.99 0.88 0.00	40.73 0.74 0.00	49.07 0.95 0.00	48.13 0.87 0.00	52.93 1.31 0.00	51.01 1.21 0.00	51.06 1.11 0.00	48.26 1.17 0.00	55.47 2.04 0.00	50.93 2.05 0.00	50.11 3.04 0.00	102.28 6.94 0.00	58.60 3.88 0.00	71.63 4.20 0.00	60.62 3.30 0.00	49.93 2.47 0.00
JARVIS____ 23743	51.34 0.21 0.00	47.30 0.33 0.00	40.11 0.33 0.00	40.18 0.28 0.00	36.06 0.28 0.00	40.98 0.28 0.00	43.62 0.21 0.00	36.53 0.15 0.00	38.22 0.11 0.00	40.09 0.10 0.00	48.22 0.10 0.00	47.37 0.12 0.00	51.73 0.11 0.00	49.94 0.15 0.00	50.08 0.12 0.00	47.32 0.23 0.00	53.65 0.22 0.00	49.19 0.30 0.00	47.41 0.34 0.00	95.74 0.41 0.00	54.99 0.27 0.00	67.66 0.23 0.00	57.44 0.11 0.00	47.56 0.09 0.00
JENNISON____1 23625	53.81 2.69 0.00	49.54 2.58 0.00	41.85 2.07 0.00	41.53 1.64 0.00	36.99 1.20 0.00	42.46 1.76 0.00	45.39 1.98 0.00	38.05 1.67 0.00	39.60 1.50 0.00	41.43 1.43 0.00	50.07 1.95 0.00	49.09 1.83 0.00	53.98 2.36 0.00	51.98 2.19 0.00	51.89 1.93 0.00	49.06 1.97 0.00	56.31 2.87 0.00	51.67 2.78 0.00	50.53 3.45 0.00	102.21 6.88 0.00	58.40 3.68 0.00	71.30 3.87 0.00	60.58 3.26 0.00	50.03 2.57 0.00
JENNISON____2 23626	53.81 2.69 0.00	49.54 2.58 0.00	41.85 2.07 0.00	41.53 1.64 0.00	36.99 1.20 0.00	42.46 1.76 0.00	45.39 1.98 0.00	38.05 1.67 0.00	39.60 1.50 0.00	41.43 1.43 0.00	50.07 1.95 0.00	49.09 1.83 0.00	53.98 2.36 0.00	51.98 2.19 0.00	51.89 1.93 0.00	49.06 1.97 0.00	56.31 2.87 0.00	51.67 2.78 0.00	50.53 3.45 0.00	102.21 6.88 0.00	58.40 3.68 0.00	71.30 3.87 0.00	60.58 3.26 0.00	50.03 2.57 0.00
JERICOHO_RISE_WT_PWR 323719	50.79 -0.34 0.00	45.87 -1.10 0.00	38.67 -1.12 0.00	38.92 -0.98 0.00	34.91 -0.87 0.00	39.84 -0.86 0.00	43.00 -0.41 0.00	36.18 -0.20 0.00	37.86 -0.24 0.00	39.79 -0.20 0.00	48.03 -0.10 0.00	46.86 -0.39 0.00	50.90 -0.72 0.00	48.89 -0.90 0.00	48.99 -0.96 0.00	45.73 -1.36 0.00	51.85 -1.58 0.00	47.39 -1.50 0.00	45.35 -1.73 0.00	93.05 -2.29 0.00	53.47 -1.25 0.00	66.32 -1.11 0.00	56.19 -1.13 0.00	46.38 -1.09 0.00
KATONAH__115KV_46KV_TB4 355592	54.02 2.90 0.00	50.09 3.13 0.00	42.60 2.83 0.00	42.59 2.69 0.00	38.26 2.48 0.00	43.46 2.76 0.00	46.18 2.77 0.00	38.75 2.37 0.00	40.53 2.43 0.00	42.63 2.63 0.00	51.36 3.23 0.00	50.50 3.24 0.00	55.14 3.51 0.00	53.28 3.49 0.00	53.22 3.26 0.00	50.67 3.58 0.00	57.52 4.08 0.00	52.88 3.99 0.00	50.85 3.78 0.00	101.31 5.97 0.00	58.00 3.28 0.00	70.96 3.52 0.00	60.00 2.68 0.00	49.87 2.41 0.00
KCE_NY_1 323755	53.74 2.62 0.00	49.67 2.71 0.00	42.13 2.35 0.00	42.16 2.27 0.00	37.85 2.07 0.00	43.08 2.38 0.00	45.84 2.43 0.00	38.29 1.91 0.00	39.96 1.85 0.00	41.65 1.65 0.00	49.87 1.75 0.00	48.95 1.70 0.00	53.36 1.74 0.00	51.61 1.82 0.00	51.87 1.92 0.00	49.26 2.17 0.00	55.98 2.55 0.00	51.57 2.68 0.00	50.03 2.96 0.00	100.63 5.29 0.00	58.06 3.34 0.00	71.17 3.74 0.00	60.01 2.69 0.00	49.53 2.07 0.00
KCE_NY_6_ESR 323823	50.99 -0.13 0.00	46.84 -0.12 0.00	39.65 -0.13 0.00	39.67 -0.23 0.00	35.15 -0.64 0.00	39.98 -0.72 0.00	41.67 -1.74 0.00	34.66 -1.73 0.00	36.72 -1.38 0.00	39.17 -0.82 0.00	47.73 -0.39 0.00	47.43 0.17 0.00	52.62 1.00 0.00	50.12 0.32 0.00	49.68 -0.27 0.00	46.65 -0.45 0.00	54.00 0.56 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.94 0.00	55.02 0.30 0.00	66.75 -0.68 0.00	57.48 0.16 0.00	47.90 0.43 0.00
KEDC_PORT_JEFF_GT2 24210	53.17 2.05 0.00	50.08 3.12 0.00	42.52 2.74 0.00	42.40 2.50 0.00	38.01 2.22 0.00	43.42 2.72 0.00	45.81 2.40 0.00	38.34 1.96 0.00	37.92 1.71 1.89	39.93 1.93 1.99	48.36 2.52 2.29	47.84 2.59 2.00	44.07 2.68 10.23	47.22 2.76 5.33	48.14 2.73 4.56	47.73 3.09 2.46	46.21 3.30 10.52	29.16 3.02 22.74	46.04 2.67 3.71	45.00 3.58 53.92	28.27 2.00 28.44	26.02 2.38 43.78	22.56 1.72 36.48	22.62 1.54 26.39
KEDC_PORT_JEFF_GT3 24211	53.17 2.05 0.00	50.08 3.12 0.00	42.52 2.74 0.00	42.40 2.50 0.00	38.01 2.22 0.00	43.42 2.72 0.00	45.81 2.40 0.00	38.34 1.96 0.00	37.92 1.71 1.89	39.93 1.93 1.99	48.36 2.52 2.29	47.84 2.59 2.00	44.07 2.68 10.23	47.22 2.76 5.33	48.14 2.73 4.56	47.73 3.09 2.46	46.21 3.30 10.52	29.16 3.02 22.74	46.04 2.67 3.71	45.00 3.58 53.92	28.27 2.00 28.44	26.02 2.38 43.78	22.56 1.72 36.48	22.62 1.54 26.39
KEDC_GLWD_GT4 24219	54.14 3.01 0.00	50.43 3.47 0.00	42.82 3.03 0.00	42.78 2.89 0.00	38.43 2.64 0.00	43.72 3.02 0.00	46.34 2.93 0.00	38.85 2.46 0.00	39.80 2.32 0.63	41.92 2.59 0.66	50.77 3.41 0.76	50.02 3.43 0.66	52.05 3.69 3.26	51.86 3.69 1.63	52.00 3.45 1.40	50.06 3.78 0.81	54.44 4.30 3.30	45.85 3.90 6.94	49.60 3.59 1.06	83.85 5.53 17.01	48.87 2.96 8.81	56.78 3.12 13.78	48.43 2.33 11.23	41.80 2.46 8.12
KEDC_GLWD_GT5 24220	54.14 3.01 0.00	50.43 3.47 0.00	42.82 3.03 0.00	42.78 2.89 0.00	38.43 2.64 0.00	43.72 3.02 0.00	46.34 2.93 0.00	38.85 2.46 0.00	39.80 2.32 0.63	41.92 2.59 0.66	50.77 3.41 0.76	50.02 3.43 0.66	52.05 3.69 3.26	51.86 3.69 1.63	52.00 3.45 1.40	50.06 3.78 0.81	54.44 4.30 3.30	45.85 3.90 6.94	49.60 3.59 1.06	83.85 5.53 17.01	48.87 2.96 8.81	56.78 3.12 13.78	48.43 2.33 11.23	41.80 2.46 8.12
KENSICO____ 23655	53.89 2.76 0.00	50.00 3.03 0.00	42.52 2.74 0.00	42.51 2.62 0.00	38.21 2.42 0.00	43.40 2.70 0.00	46.09 2.68 0.00	38.67 2.28 0.00	40.44 2.33 0.00	42.52 2.53 0.00	51.23 3.11 0.00	50.36 3.10 0.00	54.95 3.33 0.00	53.10 3.31 0.00	52.99 3.03 0.00	50.44 3.34 0.00	57.26 3.83 0.00	52.62 3.73 0.00	50.57 3.50 0.00	100.74 5.40 0.00	57.68 2.95 0.00	70.60 3.16 0.00	59.72 2.40 0.00	49.71 2.25 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	54.16 3.04 0.00	50.13 3.17 0.00	42.61 2.83 0.00	42.60 2.71 0.00	38.25 2.47 0.00	43.45 2.75 0.00	46.15 2.74 0.00	38.73 2.35 0.00	40.52 2.42 0.00	42.63 2.64 0.00	51.37 3.25 0.00	50.52 3.26 0.00	55.06 3.43 0.00	53.17 3.38 0.00	53.21 3.25 0.00	50.38 3.29 0.00	57.42 3.99 0.00	52.97 4.08 0.00	51.17 4.10 0.00	102.33 7.00 0.00	58.48 3.76 0.00	71.50 4.07 0.00	60.39 3.07 0.00	50.09 2.63 0.00



KIAC_JFK_GT1 23816	54.08 2.96 0.00	50.18 3.22 0.00	42.71 2.93 0.00	42.70 2.81 0.00	38.40 2.61 0.00	43.56 2.86 0.00	46.28 2.87 0.00	38.96 2.58 0.00	40.74 2.63 0.00	42.86 2.86 0.00	51.52 3.39 0.00	50.67 3.41 0.00	55.28 3.66 0.00	53.60 3.70 -0.11	53.31 3.35 0.00	50.76 3.67 0.00	57.66 4.22 -0.01	53.18 4.16 -0.13	51.24 3.81 -0.35	102.71 5.84 -1.53	58.28 3.20 -0.36	71.00 3.45 -0.12	60.06 2.74 0.00	50.08 2.62 0.00
KIAC_JFK_GT2 23817	54.08 2.96 0.00	50.18 3.22 0.00	42.71 2.93 0.00	42.70 2.81 0.00	38.40 2.61 0.00	43.56 2.86 0.00	46.28 2.87 0.00	38.96 2.58 0.00	40.74 2.63 0.00	42.86 2.86 0.00	51.52 3.39 0.00	50.67 3.41 0.00	55.28 3.66 0.00	53.60 3.70 -0.11	53.31 3.35 0.00	50.76 3.67 0.00	57.66 4.22 -0.01	53.18 4.16 -0.13	51.24 3.81 -0.35	102.71 5.84 -1.53	58.28 3.20 -0.36	71.00 3.45 -0.12	60.06 2.74 0.00	50.08 2.62 0.00
KIAC_JFK____ 323774	54.08 2.96 0.00	50.18 3.21 0.00	42.71 2.93 0.00	42.70 2.81 0.00	38.40 2.61 0.00	43.55 2.86 0.00	46.29 2.88 0.00	38.96 2.58 0.00	40.74 2.64 0.00	42.86 2.87 0.00	51.51 3.39 0.00	50.67 3.42 0.00	55.27 3.65 0.00	53.61 3.70 -0.11	53.30 3.35 0.00	50.76 3.67 0.00	57.67 4.22 -0.01	53.18 4.16 -0.13	51.24 3.81 -0.35	102.70 5.83 -1.53	58.28 3.20 -0.36	71.00 3.45 -0.12	60.06 2.74 0.00	50.08 2.62 0.00
KINTIGH__24_KV_GSU 356498	50.32 -0.80 0.00	46.48 -0.49 0.00	39.42 -0.36 0.00	39.45 -0.45 0.00	35.02 -0.77 0.00	39.81 -0.89 0.00	41.61 -1.80 0.00	34.60 -1.79 0.00	36.65 -1.45 0.00	39.06 -0.93 0.00	47.51 -0.61 0.00	47.18 -0.08 0.00	52.22 0.61 0.00	49.84 0.05 0.00	49.47 -0.49 0.00	46.39 -0.70 0.00	53.57 0.13 0.00	48.64 -0.25 0.00	47.48 0.41 0.00	96.21 0.87 0.00	54.57 -0.15 0.00	66.26 -1.17 0.00	57.04 -0.28 0.00	47.53 0.07 0.00
KINTIGH____ 23543	50.31 -0.81 0.00	46.43 -0.53 0.00	39.39 -0.39 0.00	39.42 -0.47 0.00	35.00 -0.79 0.00	39.77 -0.93 0.00	41.58 -1.83 0.00	34.56 -1.83 0.00	36.62 -1.48 0.00	39.03 -0.97 0.00	47.46 -0.66 0.00	47.16 -0.09 0.00	52.17 0.55 0.00	49.80 0.00 0.00	49.44 -0.52 0.00	46.35 -0.74 0.00	53.52 0.08 0.00	48.59 -0.30 0.00	47.44 0.37 0.00	96.13 0.79 0.00	54.53 -0.19 0.00	66.21 -1.22 0.00	56.99 -0.33 0.00	47.49 0.03 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	51.34 0.22 0.00	46.42 -0.54 0.00	39.11 -0.67 0.00	39.29 -0.60 0.00	35.25 -0.53 0.00	40.26 -0.44 0.00	43.43 0.02 0.00	36.48 0.10 0.00	38.01 -0.09 0.00	39.89 -0.10 0.00	48.27 0.14 0.00	47.08 -0.18 0.00	51.13 -0.49 0.00	48.97 -0.82 0.00	48.98 -0.98 0.00	45.73 -1.36 0.00	51.85 -1.59 0.00	47.52 -1.38 0.00	45.46 -1.61 0.00	93.48 -1.85 0.00	53.90 -0.82 0.00	66.74 -0.70 0.00	56.54 -0.78 0.00	46.87 -0.59 0.00
LACHUTE____HYDRO 323717	56.70 5.58 0.00	52.71 5.75 0.00	44.52 4.74 0.00	44.30 4.41 0.00	39.77 3.98 0.00	45.53 4.83 0.00	48.69 5.28 0.00	40.24 3.85 0.00	41.49 3.38 0.00	42.89 2.90 0.00	50.98 2.85 0.00	50.10 2.85 0.00	53.58 1.96 0.00	52.34 2.55 0.00	53.35 3.39 0.00	51.37 4.28 0.00	58.24 4.81 0.00	52.80 3.91 0.00	52.31 5.24 0.00	106.24 10.90 0.00	61.44 6.72 0.00	76.19 8.75 0.00	63.36 6.04 0.00	51.27 3.81 0.00
LAWRNCV_115KV_TB1 80681	51.56 0.43 0.00	46.92 -0.04 0.00	39.56 -0.22 0.00	39.79 -0.11 0.00	35.70 -0.09 0.00	40.63 -0.07 0.00	43.76 0.35 0.00	36.70 0.32 0.00	38.50 0.40 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.49 0.23 0.00	51.68 0.06 0.00	49.78 -0.02 0.00	49.86 -0.10 0.00	46.46 -0.64 0.00	52.44 -1.00 0.00	47.57 -1.32 0.00	45.70 -1.38 0.00	93.95 -1.39 0.00	54.15 -0.57 0.00	67.36 -0.07 0.00	57.67 0.35 0.00	47.93 0.47 0.00
LEDERLE____ 23769	53.91 2.79 0.00	49.97 3.01 0.00	42.49 2.71 0.00	42.52 2.63 0.00	38.23 2.44 0.00	43.39 2.69 0.00	46.08 2.67 0.00	38.63 2.25 0.00	40.40 2.30 0.00	42.51 2.51 0.00	51.25 3.13 0.00	50.40 3.15 0.00	55.07 3.45 0.00	53.22 3.43 0.00	53.09 3.13 0.00	50.49 3.40 0.00	57.41 3.98 0.00	52.77 3.88 0.00	50.77 3.69 0.00	101.18 5.85 0.00	57.89 3.17 0.00	70.79 3.36 0.00	59.85 2.53 0.00	49.78 2.32 0.00
LIGHTHSE_115KV_TB6 355974	51.25 -0.22 -0.35	47.35 -0.06 -0.44	39.72 -0.06 0.00	39.75 -0.15 0.00	35.60 -0.19 0.00	40.41 -0.30 0.00	43.03 -0.46 -0.08	36.02 -0.36 0.00	37.78 -0.32 0.00	39.69 -0.30 0.00	47.69 -0.44 0.00	46.58 -0.68 0.00	50.95 -0.67 0.00	49.24 -0.55 0.00	49.33 -0.63 0.00	46.45 -0.63 0.00	52.70 -0.74 0.00	48.29 -0.60 0.00	46.89 -0.18 0.00	96.13 -0.27 -1.06	54.62 -0.10 -0.74	67.91 -0.26 -0.56	57.57 -0.31 -0.36	47.10 -0.36 0.00
LINDEN COGEN____ 23786	53.81 2.68 0.00	49.98 3.01 0.00	42.52 2.74 0.00	42.52 2.62 0.00	38.21 2.42 0.00	43.38 2.68 0.00	46.08 2.67 0.00	38.72 2.33 0.00	40.51 2.41 0.00	42.63 2.64 0.00	51.35 3.22 0.00	50.48 3.22 0.00	53.24 3.43 1.82	53.21 3.42 0.00	53.02 3.07 0.00	50.51 3.42 0.00	57.32 3.89 0.00	52.69 3.80 0.00	50.57 3.49 0.00	100.49 5.15 0.00	57.58 2.86 0.00	70.39 2.96 0.00	59.55 2.23 0.00	49.73 2.27 0.00
LINDHRST_69_KV_BK1 356055	54.08 2.95 0.00	50.74 3.77 0.00	43.02 3.24 0.00	42.93 3.04 0.00	38.50 2.72 0.00	43.93 3.23 0.00	46.41 3.00 0.00	38.88 2.49 0.00	38.77 2.29 1.63	40.79 2.52 1.72	49.30 3.15 1.97	48.63 3.10 1.73	46.13 3.29 8.78	48.56 3.32 4.56	49.29 3.22 3.89	48.51 3.54 2.12	48.40 3.97 9.01	33.50 4.00 19.40	47.58 3.67 3.16	54.56 5.57 46.35	33.44 3.06 24.33	33.26 3.33 37.51	28.72 2.53 31.13	27.20 2.26 22.52
LIPA_MISC_IPP 23656	52.92 1.80 0.00	49.79 2.82 0.00	42.26 2.48 0.00	42.11 2.21 0.00	37.75 1.97 0.00	43.19 2.49 0.00	45.59 2.18 0.00	38.19 1.81 0.00	37.80 1.59 1.89	39.80 1.80 2.00	48.17 2.33 2.29	47.59 2.34 2.01	43.76 2.41 10.27	46.90 2.46 5.36	47.80 2.42 4.58	47.42 2.80 2.47	45.92 3.05 10.57	29.35 3.29 22.84	46.32 2.97 3.72	45.49 4.28 54.13	28.56 2.40 28.56	25.95 2.48 43.96	22.56 1.87 36.63	22.53 1.56 26.50
LISF____SOLAR 323691	53.05 1.92 0.00	49.89 2.93 0.00	42.35 2.57 0.00	42.19 2.30 0.00	37.82 2.04 0.00	43.28 2.58 0.00	45.69 2.28 0.00	38.28 1.89 0.00	37.89 1.67 1.89	39.89 1.90 1.99	48.27 2.43 2.29	47.72 2.46 2.01	43.85 2.49 10.26	46.96 2.52 5.34	47.89 2.50 4.57	47.54 2.91 2.47	46.02 3.13 10.55	29.46 3.37 22.80	46.48 3.12 3.71	45.91 4.62 54.05	28.77 2.57 28.52	26.23 2.69 43.89	22.74 2.00 36.58	22.68 1.68 26.46
LITTLE FALLS____HYD 24013	52.28 1.16 0.00	48.40 1.44 0.00	41.12 1.33 0.00	41.07 1.18 0.00	36.99 1.20 0.00	42.12 1.43 0.00	44.63 1.22 0.00	36.88 0.49 0.00	38.05 -0.05 0.00	39.40 -0.59 0.00	47.07 -1.06 0.00	46.26 -1.00 0.00	50.48 -1.14 0.00	49.05 -0.74 0.00	49.08 -0.88 0.00	46.87 -0.23 0.00	53.02 -0.41 0.00	49.18 0.29 0.00	48.20 1.12 0.00	97.62 2.29 0.00	56.55 1.83 0.00	69.76 2.32 0.00	58.69 1.37 0.00	48.31 0.85 0.00



LITTLRIV_115KV_TB1 356100	52.37 1.24 0.00	47.62 0.66 0.00	40.12 0.34 0.00	40.38 0.48 0.00	36.22 0.43 0.00	41.22 0.52 0.00	44.38 0.97 0.00	37.02 0.63 0.00	38.65 0.54 0.00	40.55 0.56 0.00	48.76 0.63 0.00	47.53 0.28 0.00	51.75 0.13 0.00	49.85 0.05 0.00	49.91 -0.05 0.00	46.47 -0.62 0.00	52.48 -0.95 0.00	47.61 -1.28 0.00	45.83 -1.24 0.00	94.94 -0.40 0.00	55.08 0.36 0.00	68.56 1.12 0.00	58.64 1.32 0.00	48.67 1.21 0.00
LI_NEWBRDGE___DRP 323616	53.37 2.25 0.00	49.97 3.00 0.00	42.40 2.62 0.00	42.34 2.44 0.00	38.00 2.22 0.00	43.30 2.60 0.00	45.78 2.37 0.00	38.33 1.94 0.00	37.83 1.77 2.04	39.83 1.99 2.15	48.15 2.49 2.47	47.58 2.48 2.16	43.21 2.69 11.10	46.70 2.72 5.81	47.54 2.54 4.95	47.32 2.89 2.66	45.25 3.24 11.43	27.40 3.27 24.75	45.91 2.93 4.09	40.80 4.16 58.69	26.02 2.24 30.95	22.19 2.29 47.53	19.37 1.71 39.66	20.47 1.69 28.69
LOCKPORT_115KV_TB60_63_64 80432	50.58 -0.55 0.00	46.47 -0.49 0.00	39.40 -0.39 0.00	39.40 -0.50 0.00	34.90 -0.88 0.00	39.65 -1.05 0.00	41.28 -2.12 0.00	34.07 -2.32 0.00	36.07 -2.03 0.00	38.49 -1.50 0.00	46.82 -1.31 0.00	46.64 -0.62 0.00	51.73 0.11 0.00	49.27 -0.53 0.00	48.82 -1.13 0.00	45.73 -1.36 0.00	52.91 -0.52 0.00	48.01 -0.88 0.00	46.99 -0.09 0.00	95.37 0.03 0.00	54.03 -0.69 0.00	65.57 -1.87 0.00	56.69 -0.63 0.00	47.33 -0.13 0.00
LOCKPORT___CC1 323769	50.44 -0.68 0.00	46.36 -0.61 0.00	39.30 -0.48 0.00	39.31 -0.58 0.00	34.82 -0.97 0.00	39.55 -1.14 0.00	41.17 -2.24 0.00	34.02 -2.37 0.00	36.03 -2.07 0.00	38.42 -1.57 0.00	46.72 -1.41 0.00	46.51 -0.75 0.00	51.61 -0.01 0.00	49.14 -0.65 0.00	48.68 -1.28 0.00	45.60 -1.49 0.00	52.75 -0.68 0.00	47.86 -1.03 0.00	46.84 -0.23 0.00	95.08 -0.26 0.00	53.86 -0.86 0.00	65.34 -2.09 0.00	56.50 -0.82 0.00	47.17 -0.29 0.00
LOCKPORT___CC2 323770	50.44 -0.68 0.00	46.36 -0.61 0.00	39.30 -0.48 0.00	39.31 -0.58 0.00	34.82 -0.97 0.00	39.55 -1.14 0.00	41.17 -2.24 0.00	34.02 -2.37 0.00	36.03 -2.07 0.00	38.42 -1.57 0.00	46.72 -1.41 0.00	46.51 -0.75 0.00	51.61 -0.01 0.00	49.14 -0.65 0.00	48.68 -1.28 0.00	45.60 -1.49 0.00	52.75 -0.68 0.00	47.86 -1.03 0.00	46.84 -0.23 0.00	95.08 -0.26 0.00	53.86 -0.86 0.00	65.34 -2.09 0.00	56.50 -0.82 0.00	47.17 -0.29 0.00
LOCKPORT___CC3 323771	50.44 -0.68 0.00	46.36 -0.61 0.00	39.30 -0.48 0.00	39.31 -0.58 0.00	34.82 -0.97 0.00	39.55 -1.14 0.00	41.17 -2.24 0.00	34.02 -2.37 0.00	36.03 -2.07 0.00	38.42 -1.57 0.00	46.72 -1.41 0.00	46.51 -0.75 0.00	51.61 -0.01 0.00	49.14 -0.65 0.00	48.68 -1.28 0.00	45.60 -1.49 0.00	52.75 -0.68 0.00	47.86 -1.03 0.00	46.84 -0.23 0.00	95.08 -0.26 0.00	53.86 -0.86 0.00	65.34 -2.09 0.00	56.50 -0.82 0.00	47.17 -0.29 0.00
LOCUSVLY_69_KV_BK2 55797	54.13 3.01 0.00	50.58 3.62 0.00	42.93 3.14 0.00	42.88 2.98 0.00	38.48 2.70 0.00	43.83 3.13 0.00	46.38 2.97 0.00	38.86 2.48 0.00	39.45 2.30 0.96	41.57 2.58 1.01	50.27 3.31 1.16	49.56 3.32 1.02	50.17 3.64 5.09	50.84 3.66 2.62	51.16 3.43 2.23	49.65 3.81 1.25	52.60 4.36 5.19	41.94 4.15 11.10	49.03 3.77 1.81	74.24 5.85 26.95	43.87 3.16 14.01	49.08 3.32 21.67	41.98 2.50 17.84	36.93 2.38 12.90
LONG_LAKE_PHOENIX 24014	50.85 -0.81 -0.54	46.99 -0.66 -0.68	39.39 -0.39 0.00	39.42 -0.47 0.00	35.28 -0.50 0.00	40.13 -0.57 0.00	42.69 -0.84 -0.12	35.66 -0.72 0.00	37.37 -0.74 0.00	39.28 -0.71 0.00	47.32 -0.81 0.00	46.52 -0.74 0.00	50.90 -0.72 0.00	49.12 -0.67 0.00	49.19 -0.77 0.00	46.46 -0.64 0.00	52.96 -0.47 0.00	48.52 -0.37 0.00	47.00 -0.08 0.00	96.59 -0.37 -1.63	54.42 -0.30 0.00	67.81 -0.76 -1.13	57.45 -0.74 -0.86	46.85 -0.61 0.00
LOVETT___3 23632	53.55 2.43 0.00	49.67 2.71 0.00	42.26 2.47 0.00	42.29 2.39 0.00	38.02 2.24 0.00	43.14 2.45 0.00	45.81 2.40 0.00	38.39 2.01 0.00	40.14 2.04 0.00	42.20 2.21 0.00	50.87 2.75 0.00	50.00 2.74 0.00	54.59 2.96 0.00	52.75 2.95 0.00	52.60 2.65 0.00	50.05 2.96 0.00	56.86 3.42 0.00	52.25 3.36 0.00	50.25 3.18 0.00	100.18 4.84 0.00	57.35 2.63 0.00	70.18 2.74 0.00	59.37 2.05 0.00	49.41 1.95 0.00
LOVETT___4 23642	53.55 2.43 0.00	49.67 2.71 0.00	42.26 2.47 0.00	42.29 2.39 0.00	38.02 2.24 0.00	43.14 2.45 0.00	45.81 2.40 0.00	38.39 2.01 0.00	40.14 2.04 0.00	42.20 2.21 0.00	50.87 2.75 0.00	50.00 2.74 0.00	54.59 2.96 0.00	52.75 2.95 0.00	52.60 2.65 0.00	50.05 2.96 0.00	56.86 3.42 0.00	52.25 3.36 0.00	50.25 3.18 0.00	100.18 4.84 0.00	57.35 2.63 0.00	70.18 2.74 0.00	59.37 2.05 0.00	49.41 1.95 0.00
LOVETT___5 23593	53.55 2.43 0.00	49.67 2.71 0.00	42.26 2.47 0.00	42.29 2.39 0.00	38.02 2.24 0.00	43.14 2.45 0.00	45.81 2.40 0.00	38.39 2.01 0.00	40.14 2.04 0.00	42.20 2.21 0.00	50.87 2.75 0.00	50.00 2.74 0.00	54.59 2.96 0.00	52.75 2.95 0.00	52.60 2.65 0.00	50.05 2.96 0.00	56.86 3.42 0.00	52.25 3.36 0.00	50.25 3.18 0.00	100.18 4.84 0.00	57.35 2.63 0.00	70.18 2.74 0.00	59.37 2.05 0.00	49.41 1.95 0.00
LOWER RAQUET___HYD 24057	51.61 0.49 0.00	46.97 0.00 0.00	39.60 -0.18 0.00	39.82 -0.07 0.00	35.74 -0.05 0.00	40.66 -0.03 0.00	43.80 0.39 0.00	36.72 0.34 0.00	38.51 0.41 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.46 0.20 0.00	51.65 0.03 0.00	49.77 -0.03 0.00	49.85 -0.11 0.00	46.42 -0.67 0.00	52.36 -1.08 0.00	47.46 -1.43 0.00	45.59 -1.48 0.00	93.84 -1.50 0.00	54.13 -0.59 0.00	67.36 -0.07 0.00	57.70 0.38 0.00	47.97 0.51 0.00
LOWER___HUDSON 24059	52.74 1.62 0.00	48.84 1.88 0.00	41.53 1.75 0.00	41.49 1.60 0.00	37.32 1.53 0.00	42.40 1.70 0.00	45.13 1.72 0.00	37.77 1.39 0.00	39.42 1.32 0.00	41.14 1.15 0.00	49.24 1.11 0.00	48.41 1.15 0.00	52.64 1.03 0.00	50.96 1.17 0.00	51.19 1.23 0.00	48.64 1.55 0.00	54.93 1.50 0.00	50.60 1.72 0.00	48.88 1.80 0.00	97.99 2.65 0.00	56.63 1.90 0.00	69.64 2.21 0.00	58.87 1.55 0.00	48.63 1.17 0.00
LOWVILLE_115KV_TB2 356335	51.69 0.48 -0.09	47.73 0.65 -0.11	40.18 0.40 0.00	40.23 0.34 0.00	36.05 0.26 0.00	40.89 0.19 0.00	43.60 0.17 -0.02	36.75 0.37 0.00	38.50 0.40 0.00	40.39 0.40 0.00	48.41 0.29 0.00	47.05 -0.21 0.00	51.33 -0.29 0.00	49.89 0.09 0.00	50.09 0.13 0.00	46.97 -0.13 0.00	52.95 -0.49 0.00	48.63 -0.25 0.00	47.22 0.15 0.00	96.41 0.80 -0.27	55.26 0.54 0.00	68.43 0.81 -0.19	57.73 0.26 -0.14	47.32 -0.14 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	53.67 2.54 0.00	49.63 2.67 0.00	42.14 2.36 0.00	42.13 2.24 0.00	37.85 2.07 0.00	43.06 2.36 0.00	45.82 2.41 0.00	38.26 1.88 0.00	39.89 1.79 0.00	41.63 1.63 0.00	49.81 1.68 0.00	48.94 1.68 0.00	53.30 1.68 0.00	51.58 1.79 0.00	51.82 1.87 0.00	49.23 2.14 0.00	55.87 2.43 0.00	51.49 2.60 0.00	49.95 2.88 0.00	100.46 5.12 0.00	57.96 3.24 0.00	71.13 3.70 0.00	60.01 2.69 0.00	49.51 2.05 0.00



LUTHERNY_35_KV_BK2 355980	53.74 2.62 0.00	49.67 2.71 0.00	42.13 2.35 0.00	42.16 2.27 0.00	37.85 2.07 0.00	43.08 2.38 0.00	45.84 2.43 0.00	38.30 1.91 0.00	39.96 1.85 0.00	41.65 1.66 0.00	49.88 1.75 0.00	48.95 1.70 0.00	53.36 1.74 0.00	51.62 1.82 0.00	51.87 1.92 0.00	49.26 2.17 0.00	55.98 2.55 0.00	51.57 2.68 0.00	50.03 2.96 0.00	100.63 5.29 0.00	58.06 3.34 0.00	71.18 3.75 0.00	60.01 2.69 0.00	49.53 2.07 0.00
LWR___OSWEGATCHIE_HYD 23850	51.65 0.45 -0.08	47.37 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.67 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.69 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
LYONS_FALL_HYD 23570	51.99 0.81 -0.06	47.93 0.90 -0.07	40.45 0.67 0.00	40.51 0.61 0.00	36.30 0.51 0.00	41.22 0.52 0.00	43.92 0.50 -0.01	36.92 0.54 0.00	38.65 0.54 0.00	40.57 0.57 0.00	48.69 0.56 0.00	47.55 0.29 0.00	51.89 0.27 0.00	50.32 0.53 0.00	50.52 0.56 0.00	47.52 0.43 0.00	53.75 0.31 0.00	49.36 0.47 0.00	47.87 0.80 0.00	97.43 1.93 -0.17	55.86 1.13 0.00	68.96 1.41 -0.12	58.26 0.85 -0.09	47.85 0.39 0.00
MADISON___COUNTY_LFGE 323628	52.59 1.46 0.00	48.40 1.44 0.00	41.01 1.22 0.00	41.03 1.14 0.00	36.78 0.99 0.00	41.84 1.14 0.00	44.44 1.03 0.00	37.17 0.78 0.00	38.82 0.72 0.00	40.73 0.74 0.00	49.03 0.90 0.00	48.21 0.95 0.00	52.71 1.09 0.00	50.97 1.17 0.00	51.12 1.16 0.00	48.33 1.24 0.00	55.03 1.60 0.00	50.46 1.57 0.00	48.98 1.90 0.00	99.41 4.07 0.00	57.08 2.36 0.00	70.04 2.60 0.00	59.25 1.92 0.00	48.83 1.37 0.00
MALONE___115KV_TB1 356076	51.48 0.36 0.00	46.56 -0.40 0.00	39.24 -0.54 0.00	39.48 -0.42 0.00	35.40 -0.39 0.00	40.38 -0.32 0.00	43.56 0.14 0.00	36.64 0.26 0.00	38.40 0.29 0.00	40.30 0.31 0.00	48.66 0.53 0.00	47.46 0.20 0.00	51.62 0.00 0.00	49.63 -0.17 0.00	49.71 -0.25 0.00	46.37 -0.72 0.00	52.55 -0.89 0.00	47.95 -0.94 0.00	45.97 -1.10 0.00	94.48 -0.86 0.00	54.44 -0.28 0.00	67.54 0.11 0.00	57.30 -0.02 0.00	47.31 -0.15 0.00
MAPLEWOD_115KV_TB3 80458	52.43 1.30 0.00	48.51 1.55 0.00	41.29 1.51 0.00	41.25 1.35 0.00	37.17 1.38 0.00	42.14 1.43 0.00	44.82 1.41 0.00	37.56 1.17 0.00	39.22 1.12 0.00	40.94 0.95 0.00	49.09 0.97 0.00	48.26 1.00 0.00	52.56 0.94 0.00	50.87 1.07 0.00	51.05 1.09 0.00	48.52 1.43 0.00	54.82 1.39 0.00	50.50 1.62 0.00	48.71 1.64 0.00	97.66 2.32 0.00	56.32 1.60 0.00	69.18 1.75 0.00	58.50 1.18 0.00	48.34 0.87 0.00
MAPLE_RIDGE_WT_1 323574	50.70 -0.43 0.00	46.60 -0.37 0.00	39.42 -0.36 0.00	39.48 -0.41 0.00	35.35 -0.44 0.00	40.16 -0.54 0.00	42.90 -0.51 0.00	36.16 -0.23 0.00	37.92 -0.19 0.00	39.86 -0.13 0.00	47.98 -0.15 0.00	47.01 -0.25 0.00	51.34 -0.28 0.00	49.56 -0.23 0.00	49.72 -0.23 0.00	46.76 -0.33 0.00	52.93 -0.50 0.00	48.40 -0.48 0.00	46.54 -0.53 0.00	94.31 -1.03 0.00	53.94 -0.78 0.00	66.55 -0.88 0.00	56.51 -0.81 0.00	46.71 -0.75 0.00
MAPLE_RIDGE_WT_2 323611	50.70 -0.43 0.00	46.60 -0.37 0.00	39.42 -0.36 0.00	39.48 -0.41 0.00	35.35 -0.44 0.00	40.16 -0.54 0.00	42.90 -0.51 0.00	36.16 -0.23 0.00	37.92 -0.19 0.00	39.86 -0.13 0.00	47.98 -0.15 0.00	47.01 -0.25 0.00	51.34 -0.28 0.00	49.56 -0.23 0.00	49.72 -0.23 0.00	46.76 -0.33 0.00	52.93 -0.50 0.00	48.40 -0.48 0.00	46.54 -0.53 0.00	94.31 -1.03 0.00	53.94 -0.78 0.00	66.55 -0.88 0.00	56.51 -0.81 0.00	46.71 -0.75 0.00
MARBLE_RIVER_WT_PWR 323696	50.84 -0.28 0.00	45.94 -1.03 0.00	38.73 -1.05 0.00	38.96 -0.93 0.00	34.96 -0.83 0.00	39.90 -0.80 0.00	43.04 -0.37 0.00	36.19 -0.20 0.00	37.83 -0.27 0.00	39.75 -0.24 0.00	48.00 -0.12 0.00	46.84 -0.42 0.00	50.87 -0.75 0.00	48.83 -0.97 0.00	48.93 -1.03 0.00	45.70 -1.40 0.00	51.81 -1.62 0.00	47.38 -1.51 0.00	45.35 -1.72 0.00	93.03 -2.31 0.00	53.44 -1.28 0.00	66.23 -1.20 0.00	56.11 -1.21 0.00	46.39 -1.07 0.00
MARSHVLE_115KV_TB1 80742	54.56 3.44 0.00	49.89 2.92 0.00	42.08 2.30 0.00	42.17 2.27 0.00	37.72 1.93 0.00	42.98 2.28 0.00	45.53 2.12 0.00	37.72 1.33 0.00	39.20 1.10 0.00	41.22 1.22 0.00	49.68 1.56 0.00	48.71 1.45 0.00	53.29 1.67 0.00	51.40 1.61 0.00	51.48 1.52 0.00	48.42 1.33 0.00	55.01 1.58 0.00	50.57 1.69 0.00	49.12 2.05 0.00	101.09 5.76 0.00	58.49 3.77 0.00	71.93 4.50 0.00	61.19 3.87 0.00	50.65 3.19 0.00
MARSH_HILL_WT_PWR 323713	51.96 0.83 0.00	47.91 0.94 0.00	40.46 0.68 0.00	40.48 0.58 0.00	36.01 0.22 0.00	41.03 0.33 0.00	42.85 -0.56 0.00	35.38 -1.01 -0.01	36.95 -1.15 0.00	38.82 -1.17 0.00	47.44 -0.69 0.00	46.86 -0.40 0.00	51.50 -0.12 0.00	48.99 -0.81 0.00	48.94 -1.02 0.00	46.20 -0.89 0.00	53.64 0.21 0.00	48.75 -0.13 0.00	48.05 0.97 0.00	98.82 3.48 0.00	56.43 1.70 0.00	68.64 1.21 0.00	57.99 0.67 0.00	47.77 0.30 0.00
MCINTYRE_115KV_TB2 80467	52.67 1.54 0.00	47.86 0.90 0.00	40.30 0.51 0.00	40.57 0.67 0.00	36.38 0.60 0.00	41.42 0.73 0.00	44.60 1.19 0.00	37.11 0.72 0.00	38.69 0.59 0.00	40.59 0.60 0.00	48.82 0.69 0.00	47.61 0.35 0.00	51.84 0.21 0.00	49.90 0.11 0.00	49.96 0.01 0.00	46.53 -0.56 0.00	52.61 -0.83 0.00	47.77 -1.12 0.00	45.96 -1.11 0.00	95.45 0.12 0.00	55.51 0.79 0.00	69.13 1.69 0.00	59.10 1.78 0.00	49.00 1.54 0.00
MECO_____69_KV_BK1 80468	55.08 3.96 0.00	50.53 3.57 0.00	42.72 2.94 0.00	42.78 2.88 0.00	38.33 2.55 0.00	43.65 2.95 0.00	46.25 2.84 0.00	38.19 1.80 0.00	39.36 1.26 0.00	41.13 1.13 0.00	49.29 1.16 0.00	48.23 0.98 0.00	52.68 1.06 0.00	50.98 1.18 0.00	51.08 1.13 0.00	48.24 1.15 0.00	54.97 1.54 0.00	50.93 2.04 0.00	49.88 2.81 0.00	102.81 7.47 0.00	59.57 4.85 0.00	73.18 5.75 0.00	61.96 4.64 0.00	51.14 3.68 0.00
MENANDS___115KV_TB5 355628	52.03 0.90 0.00	48.17 1.21 0.00	41.01 1.23 0.00	40.98 1.08 0.00	36.95 1.16 0.00	41.86 1.16 0.00	44.52 1.11 0.00	37.32 0.93 0.00	38.97 0.86 0.00	40.67 0.67 0.00	48.76 0.63 0.00	47.94 0.69 0.00	52.19 0.57 0.00	50.51 0.72 0.00	50.68 0.72 0.00	48.16 1.07 0.00	54.37 0.93 0.00	50.06 1.17 0.00	48.23 1.15 0.00	96.57 1.24 0.00	55.73 1.01 0.00	68.49 1.06 0.00	57.91 0.59 0.00	47.89 0.43 0.00
MG INDUSTRY___DRP 24185	52.14 1.01 0.00	48.25 1.28 0.00	41.09 1.31 0.00	41.08 1.19 0.00	36.99 1.20 0.00	41.95 1.25 0.00	44.43 1.02 0.00	36.69 0.30 0.00	38.10 0.00 0.00	39.78 -0.21 0.00	47.67 -0.46 0.00	46.85 -0.41 0.00	51.02 -0.60 0.00	49.34 -0.45 0.00	49.47 -0.49 0.00	46.91 -0.18 0.00	53.00 -0.43 0.00	48.71 -0.17 0.00	46.99 -0.08 0.00	94.48 -0.86 0.00	54.56 -0.16 0.00	67.12 -0.31 0.00	56.83 -0.49 0.00	47.05 -0.41 0.00



MID___OSWEGATCHIE_HYD 23849	51.65 0.45 -0.08	47.37 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.67 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.69 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
MID___RAQUETTE_HYD 23851	51.61 0.49 0.00	46.97 0.00 0.00	39.60 -0.18 0.00	39.82 -0.07 0.00	35.74 -0.05 0.00	40.66 -0.03 0.00	43.80 0.39 0.00	36.73 0.34 0.00	38.51 0.41 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.45 0.19 0.00	51.65 0.03 0.00	49.76 -0.03 0.00	49.85 -0.11 0.00	46.42 -0.67 0.00	52.36 -1.08 0.00	47.45 -1.44 0.00	45.59 -1.48 0.00	93.84 -1.50 0.00	54.13 -0.59 0.00	67.36 -0.07 0.00	57.70 0.38 0.00	47.97 0.50 0.00
MILLIKEN___1 23584	52.34 1.16 -0.06	48.24 1.20 -0.08	40.79 1.00 0.00	40.83 0.94 0.00	36.53 0.75 0.00	41.59 0.89 0.00	44.08 0.66 -0.01	36.84 0.45 0.00	38.43 0.33 0.00	40.32 0.33 0.00	48.56 0.43 0.00	47.76 0.51 0.00	52.45 0.83 0.00	50.51 0.72 0.00	50.63 0.67 0.00	47.79 0.70 0.00	54.71 1.27 0.00	50.11 1.22 0.00	48.89 1.81 0.00	99.44 3.92 -0.19	56.84 2.12 0.00	69.65 2.09 -0.13	58.99 1.57 -0.10	48.66 1.20 0.00
MILLIKEN___2 23585	52.34 1.16 -0.06	48.24 1.20 -0.08	40.79 1.00 0.00	40.83 0.94 0.00	36.53 0.75 0.00	41.59 0.89 0.00	44.08 0.66 -0.01	36.84 0.45 0.00	38.43 0.33 0.00	40.32 0.33 0.00	48.56 0.43 0.00	47.76 0.51 0.00	52.45 0.83 0.00	50.51 0.72 0.00	50.63 0.67 0.00	47.79 0.70 0.00	54.71 1.27 0.00	50.11 1.22 0.00	48.89 1.81 0.00	99.44 3.92 -0.19	56.84 2.12 0.00	69.65 2.09 -0.13	58.99 1.57 -0.10	48.66 1.20 0.00
MILLIKEN___DIESEL 23629	52.34 1.16 -0.06	48.24 1.20 -0.08	40.79 1.00 0.00	40.83 0.94 0.00	36.53 0.75 0.00	41.59 0.89 0.00	44.08 0.66 -0.01	36.84 0.45 0.00	38.43 0.33 0.00	40.32 0.33 0.00	48.56 0.43 0.00	47.76 0.51 0.00	52.45 0.83 0.00	50.51 0.72 0.00	50.63 0.67 0.00	47.79 0.70 0.00	54.71 1.27 0.00	50.11 1.22 0.00	48.89 1.81 0.00	99.44 3.92 -0.19	56.84 2.12 0.00	69.65 2.09 -0.13	58.99 1.57 -0.10	48.66 1.20 0.00
MILLSEAT___LFGE 323607	51.86 0.74 0.00	47.60 0.64 0.00	40.32 0.53 0.00	40.29 0.40 0.00	35.73 -0.06 0.00	40.62 -0.07 0.00	42.43 -0.98 0.00	35.12 -1.27 0.00	37.11 -0.99 0.00	39.47 -0.53 0.00	47.95 -0.18 0.00	47.70 0.44 0.00	52.89 1.27 0.00	50.54 0.75 0.00	50.19 0.23 0.00	47.04 -0.05 0.00	54.42 0.99 0.00	49.51 0.62 0.00	48.52 1.45 0.00	98.74 3.41 0.00	56.01 1.29 0.00	67.94 0.50 0.00	58.47 1.15 0.00	48.62 1.16 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	53.76 2.63 0.00	49.87 2.91 0.00	42.42 2.64 0.00	42.43 2.53 0.00	38.13 2.34 0.00	43.30 2.60 0.00	45.98 2.57 0.00	38.56 2.18 0.00	40.32 2.22 0.00	42.39 2.40 0.00	51.07 2.95 0.00	50.21 2.95 0.00	54.79 3.17 0.00	52.95 3.16 0.00	52.84 2.88 0.00	50.28 3.19 0.00	57.08 3.64 0.00	52.46 3.58 0.00	50.45 3.37 0.00	100.50 5.16 0.00	57.56 2.84 0.00	70.46 3.03 0.00	59.59 2.28 0.00	49.60 2.15 0.00
MILLWOOD_13_KV_LOAD 356217	53.85 2.73 0.00	49.97 3.00 0.00	42.50 2.72 0.00	42.51 2.61 0.00	38.20 2.41 0.00	43.37 2.67 0.00	46.06 2.66 0.00	38.64 2.25 0.00	40.40 2.30 0.00	42.49 2.50 0.00	51.19 3.06 0.00	50.32 3.06 0.00	54.91 3.29 0.00	53.07 3.28 0.00	52.96 3.00 0.00	50.39 3.30 0.00	57.23 3.80 0.00	52.59 3.70 0.00	50.58 3.51 0.00	100.78 5.44 0.00	57.72 2.99 0.00	70.62 3.18 0.00	59.73 2.41 0.00	49.70 2.24 0.00
MODEL_CITY_ENERGY 24167	50.17 -0.95 0.00	46.14 -0.83 0.00	39.12 -0.66 0.00	39.13 -0.76 0.00	34.66 -1.12 0.00	39.37 -1.32 0.00	40.98 -2.43 0.00	33.75 -2.63 0.00	35.73 -2.38 0.00	38.15 -1.84 0.00	46.44 -1.69 0.00	46.24 -1.02 0.00	51.31 -0.30 0.00	48.87 -0.92 0.00	48.37 -1.58 0.00	45.33 -1.76 0.00	52.47 -0.97 0.00	47.59 -1.30 0.00	46.56 -0.51 0.00	94.41 -0.93 0.00	53.49 -1.23 0.00	64.87 -2.56 0.00	56.17 -1.15 0.00	46.94 -0.52 0.00
MODERN_LFGE___ 323580	50.17 -0.95 0.00	46.14 -0.83 0.00	39.12 -0.66 0.00	39.13 -0.76 0.00	34.66 -1.12 0.00	39.37 -1.32 0.00	40.98 -2.43 0.00	33.75 -2.63 0.00	35.73 -2.38 0.00	38.15 -1.84 0.00	46.44 -1.69 0.00	46.24 -1.02 0.00	51.31 -0.30 0.00	48.87 -0.92 0.00	48.37 -1.58 0.00	45.33 -1.76 0.00	52.47 -0.97 0.00	47.59 -1.30 0.00	46.56 -0.51 0.00	94.41 -0.93 0.00	53.49 -1.23 0.00	64.87 -2.56 0.00	56.17 -1.15 0.00	46.94 -0.52 0.00
MOHAWK_PAPER___DRP 24187	52.43 1.30 0.00	48.51 1.55 0.00	41.29 1.51 0.00	41.25 1.35 0.00	37.17 1.38 0.00	42.14 1.43 0.00	44.82 1.41 0.00	37.56 1.17 0.00	39.22 1.12 0.00	40.94 0.95 0.00	49.09 0.97 0.00	48.26 1.00 0.00	52.56 0.94 0.00	50.87 1.07 0.00	51.05 1.09 0.00	48.52 1.43 0.00	54.82 1.39 0.00	50.50 1.62 0.00	48.71 1.64 0.00	97.66 2.32 0.00	56.32 1.60 0.00	69.18 1.75 0.00	58.50 1.18 0.00	48.34 0.87 0.00
MOHICAN___35_KV_115KV_LD 80490	53.98 2.85 0.00	49.97 3.00 0.00	42.40 2.62 0.00	42.37 2.47 0.00	38.09 2.30 0.00	43.35 2.65 0.00	46.18 2.77 0.00	38.50 2.12 0.00	40.10 2.00 0.00	41.77 1.78 0.00	49.76 1.63 0.00	48.89 1.63 0.00	53.16 1.55 0.00	51.46 1.66 0.00	51.79 1.84 0.00	49.30 2.20 0.00	55.98 2.54 0.00	51.64 2.76 0.00	50.41 3.34 0.00	101.44 6.10 0.00	58.56 3.84 0.00	71.82 4.38 0.00	60.49 3.17 0.00	49.78 2.32 0.00
MONGAUP___HYD 23641	54.11 2.98 0.00	50.08 3.12 0.00	42.57 2.78 0.00	42.57 2.67 0.00	38.23 2.45 0.00	43.42 2.72 0.00	46.11 2.69 0.00	38.63 2.24 0.00	40.28 2.18 0.00	42.28 2.28 0.00	50.67 2.54 0.00	49.69 2.43 0.00	54.07 2.44 0.00	52.27 2.48 0.00	52.39 2.44 0.00	49.36 2.27 0.00	56.23 2.79 0.00	52.02 3.13 0.00	50.35 3.28 0.00	101.39 6.05 0.00	58.23 3.51 0.00	71.28 3.85 0.00	60.23 2.91 0.00	49.91 2.45 0.00
MONTAUK___DIESEL 23721	54.23 3.10 0.00	50.52 3.55 0.00	42.87 3.09 0.00	42.31 2.42 0.00	38.28 2.50 0.00	44.74 4.04 0.00	47.31 3.90 0.00	39.86 3.48 0.00	39.70 3.49 1.89	41.93 3.93 2.00	50.72 4.88 2.29	49.97 4.73 2.01	46.13 4.78 10.27	49.15 4.71 5.35	49.66 4.27 4.57	49.11 4.49 2.47	48.49 5.62 10.56	30.86 4.80 22.83	47.74 4.39 3.72	49.69 8.46 54.11	30.90 4.72 28.55	28.86 5.37 43.94	24.66 3.95 36.62	23.64 2.67 26.49
MOONROAD_115KV_HARTFLD_TB1-2 355988	51.92 0.80 0.00	47.83 0.86 0.00	40.44 0.66 0.00	40.48 0.58 0.00	35.91 0.12 0.00	41.00 0.31 0.00	42.91 -0.50 0.00	36.07 -0.32 0.00	38.23 0.12 0.00	40.63 0.64 0.00	49.41 1.29 0.00	48.31 1.05 0.00	53.56 1.94 0.00	50.97 1.18 0.00	50.55 0.59 0.00	47.50 0.41 0.00	55.29 1.86 0.00	49.87 0.98 0.00	48.87 1.80 0.00	99.24 3.90 0.00	55.83 1.11 0.00	68.29 0.85 0.00	58.44 1.13 0.00	48.56 1.10 0.00



MORRIS_RIDGE___SOLAR 323848	51.00 -0.13 0.00	47.07 0.10 0.00	39.82 0.04 0.00	39.88 -0.02 0.00	35.41 -0.38 0.00	40.29 -0.41 0.00	42.06 -1.35 0.00	34.66 -1.72 0.01	36.28 -1.82 0.00	38.31 -1.68 0.00	46.59 -1.53 0.00	46.07 -1.19 0.00	50.88 -0.74 0.00	48.39 -1.40 0.00	48.19 -1.77 0.00	45.43 -1.66 0.00	52.69 -0.75 0.00	47.89 -0.99 0.00	47.14 0.07 0.00	96.73 1.39 0.00	55.19 0.46 0.00	67.14 -0.29 0.00	57.16 -0.16 0.00	47.30 -0.16 0.00
MORTIMER_115KV_TB3 55949	51.31 0.19 0.00	47.20 0.24 0.00	39.99 0.20 0.00	39.98 0.09 0.00	35.59 -0.20 0.00	40.47 -0.23 0.00	42.55 -0.86 0.00	35.50 -0.88 0.00	37.49 -0.61 0.00	39.82 -0.18 0.00	48.31 0.18 0.00	47.91 0.65 0.00	52.87 1.25 0.00	50.72 0.92 0.00	50.55 0.59 0.00	47.56 0.47 0.00	54.75 1.32 0.00	49.90 1.01 0.00	48.61 1.54 0.00	98.47 3.14 0.00	55.98 1.26 0.00	68.06 0.62 0.00	58.17 0.85 0.00	48.23 0.77 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	54.11 2.99 0.00	50.23 3.27 0.00	42.72 2.94 0.00	42.71 2.82 0.00	38.38 2.60 0.00	43.60 2.90 0.00	46.31 2.90 0.00	38.89 2.51 0.00	40.69 2.59 0.00	42.82 2.83 0.00	51.59 3.47 0.00	50.71 3.46 0.00	55.32 3.69 0.00	53.47 3.67 0.00	53.32 3.36 0.00	50.77 3.68 0.00	57.65 4.21 0.00	52.95 4.06 0.00	50.84 3.76 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.97 2.65 0.00	49.98 2.52 0.00
MUNSVILLE_WIND_PWR 323609	55.01 3.88 0.00	50.51 3.54 0.00	42.65 2.86 0.00	42.45 2.56 0.00	37.85 2.06 0.00	43.62 2.92 0.00	46.57 3.16 0.00	39.03 2.65 0.00	40.42 2.31 0.00	42.25 2.25 0.00	51.10 2.97 0.00	50.00 2.74 0.00	55.05 3.43 0.00	53.03 3.23 0.00	53.02 3.06 0.00	50.16 3.07 0.00	57.79 4.35 0.00	53.07 4.18 0.00	52.17 5.10 0.00	106.16 10.82 0.00	60.66 5.94 0.00	74.04 6.61 0.00	62.62 5.30 0.00	51.40 3.94 0.00
N SALMON___HYD 24042	51.48 0.36 0.00	46.56 -0.40 0.00	39.24 -0.54 0.00	39.48 -0.42 0.00	35.40 -0.39 0.00	40.38 -0.32 0.00	43.56 0.15 0.00	36.64 0.26 0.00	38.40 0.29 0.00	40.30 0.31 0.00	48.65 0.53 0.00	47.47 0.21 0.00	51.62 0.00 0.00	49.63 -0.17 0.00	49.71 -0.24 0.00	46.37 -0.73 0.00	52.55 -0.89 0.00	47.95 -0.94 0.00	45.98 -1.10 0.00	94.48 -0.86 0.00	54.44 -0.28 0.00	67.54 0.11 0.00	57.30 -0.02 0.00	47.31 -0.15 0.00
N.AKRON__115KV_KNAPP 355671	51.72 0.60 0.00	47.49 0.52 0.00	40.22 0.44 0.00	40.21 0.32 0.00	35.65 -0.14 0.00	40.51 -0.18 0.00	42.30 -1.11 0.00	35.01 -1.37 0.00	37.02 -1.08 0.00	39.40 -0.59 0.00	47.87 -0.26 0.00	47.64 0.38 0.00	52.80 1.18 0.00	50.41 0.62 0.00	50.06 0.10 0.00	46.91 -0.18 0.00	54.29 0.86 0.00	49.36 0.47 0.00	48.36 1.29 0.00	98.35 3.01 0.00	55.78 1.06 0.00	67.67 0.24 0.00	58.29 0.97 0.00	48.50 1.04 0.00
N.E_GEN_SANDY PD 24062	52.61 1.66 0.18	49.68 2.03 -0.68	41.69 1.90 0.00	41.63 1.73 0.00	37.46 1.67 0.00	42.55 1.85 0.00	47.04 1.84 -1.78	37.93 1.55 0.00	39.61 1.51 0.00	41.40 1.41 0.00	49.53 1.49 0.08	48.79 1.53 0.00	54.67 1.38 -1.68	51.35 1.49 -0.07	51.44 1.48 0.00	48.30 1.88 0.67	54.03 1.82 1.23	50.87 1.98 0.00	48.96 1.88 0.00	97.69 2.35 0.00	56.35 1.63 0.00	73.70 1.90 -4.37	57.76 1.30 0.87	47.05 1.08 1.49
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	53.73 2.61 0.00	49.82 2.86 0.00	42.36 2.58 0.00	42.40 2.50 0.00	38.11 2.33 0.00	43.25 2.55 0.00	45.93 2.52 0.00	38.49 2.10 0.00	40.25 2.15 0.00	42.33 2.34 0.00	51.04 2.91 0.00	50.19 2.93 0.00	54.82 3.20 0.00	52.98 3.19 0.00	52.85 2.89 0.00	50.27 3.18 0.00	57.14 3.71 0.00	52.53 3.65 0.00	50.52 3.45 0.00	100.71 5.37 0.00	57.63 2.91 0.00	70.49 3.06 0.00	59.61 2.29 0.00	49.60 2.14 0.00
N.QUEENS_27_KV_LOAD 356247	54.37 3.24 0.00	50.52 3.56 0.00	42.95 3.17 0.00	42.95 3.06 0.00	38.62 2.83 0.00	43.84 3.14 0.00	46.56 3.15 0.00	39.14 2.75 0.00	40.99 2.88 0.00	43.07 3.08 0.00	51.80 3.67 0.00	50.90 3.64 0.00	55.57 3.95 0.00	53.78 3.93 -0.06	53.57 3.61 0.00	51.00 3.91 0.00	57.92 4.48 0.00	53.19 4.23 -0.07	51.12 3.85 -0.19	102.26 6.10 -0.82	58.27 3.36 -0.19	71.15 3.65 -0.06	60.17 2.85 0.00	50.42 2.96 0.00
N.TROY___115KV_TB1 355778	52.74 1.62 0.00	48.84 1.88 0.00	41.53 1.75 0.00	41.49 1.60 0.00	37.32 1.54 0.00	42.40 1.70 0.00	45.13 1.72 0.00	37.77 1.39 0.00	39.42 1.32 0.00	41.14 1.15 0.00	49.24 1.11 0.00	48.41 1.15 0.00	52.65 1.03 0.00	50.96 1.17 0.00	51.19 1.23 0.00	48.64 1.55 0.00	54.93 1.50 0.00	50.61 1.72 0.00	48.88 1.80 0.00	97.99 2.66 0.00	56.64 1.91 0.00	69.64 2.21 0.00	58.87 1.55 0.00	48.64 1.18 0.00
NARROWS_GT1_1 24228	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_2 24229	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_3 24230	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_4 24231	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_5 24232	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00



NARROWS_GT1_6 24233	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_7 24234	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT1_8 24235	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_1 24236	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_2 24237	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_3 24238	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_4 24239	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_5 24240	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_6 24241	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_7 24242	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NARROWS_GT2_8 24243	54.13 3.01 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.35 3.72 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.38 6.05 0.00	58.06 3.33 0.00	71.05 3.62 0.00	60.13 2.81 0.00	50.33 2.87 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	52.98 1.86 0.00	48.96 2.00 0.00	41.64 1.86 0.00	41.60 1.70 0.00	37.47 1.69 0.00	42.46 1.75 0.00	45.09 1.68 0.00	37.75 1.36 0.00	39.28 1.17 0.00	40.82 0.83 0.00	48.74 0.61 0.00	47.95 0.69 0.00	52.20 0.58 0.00	50.54 0.74 0.00	50.85 0.90 0.00	48.28 1.19 0.00	54.74 1.31 0.00	50.53 1.65 0.00	49.00 1.93 0.00	98.69 3.35 0.00	57.03 2.31 0.00	70.09 2.66 0.00	59.14 1.82 0.00	48.72 1.26 0.00
NCHELSEA_115KV_TR2 355582	54.19 3.06 0.00	50.20 3.24 0.00	42.69 2.90 0.00	42.67 2.78 0.00	38.34 2.56 0.00	43.55 2.85 0.00	46.29 2.87 0.00	38.85 2.46 0.00	40.66 2.56 0.00	42.72 2.73 0.00	51.46 3.33 0.00	50.63 3.37 0.00	55.19 3.57 0.00	53.36 3.57 0.00	53.31 3.36 0.00	50.72 3.63 0.00	57.65 4.21 0.00	53.03 4.14 0.00	51.07 4.00 0.00	101.88 6.54 0.00	58.28 3.56 0.00	71.34 3.90 0.00	60.29 2.97 0.00	50.04 2.58 0.00
NEG CAPITAL___MECHNVIL 23645	53.76 2.63 0.00	49.72 2.76 0.00	42.24 2.46 0.00	42.19 2.29 0.00	37.91 2.13 0.00	43.11 2.42 0.00	45.89 2.48 0.00	38.34 1.95 0.00	40.01 1.90 0.00	41.77 1.78 0.00	49.96 1.83 0.00	49.13 1.87 0.00	53.51 1.90 0.00	51.81 2.01 0.00	52.08 2.12 0.00	49.49 2.39 0.00	56.10 2.67 0.00	51.74 2.85 0.00	50.13 3.05 0.00	100.74 5.40 0.00	58.11 3.39 0.00	71.30 3.87 0.00	60.16 2.84 0.00	49.62 2.16 0.00
NEG CENTRAL_HIGH_ACRES 23767	50.53 -0.65 -0.06	46.49 -0.55 -0.08	39.32 -0.46 0.00	39.32 -0.58 0.00	35.05 -0.73 0.00	39.85 -0.84 0.00	42.02 -1.40 -0.01	35.11 -1.28 0.00	37.01 -1.09 0.00	39.23 -0.76 0.00	47.55 -0.57 0.00	47.08 -0.17 0.00	51.93 0.31 0.00	49.88 0.08 0.00	49.78 -0.18 0.00	46.89 -0.21 0.00	53.91 0.47 0.00	49.19 0.31 0.00	47.88 0.81 0.00	97.11 1.59 -0.18	55.17 0.45 0.00	67.20 -0.36 -0.12	57.30 -0.11 -0.09	47.38 -0.08 0.00



NEG CENTRAL___DRP 24199	51.67 0.41 -0.14	47.69 0.55 -0.17	40.26 0.48 0.00	40.31 0.42 0.00	36.00 0.21 0.00	40.95 0.26 0.00	43.33 -0.11 -0.03	36.17 -0.21 0.00	37.88 -0.22 0.00	39.87 -0.13 0.00	48.16 0.03 0.00	47.42 0.16 0.00	52.22 0.60 0.00	50.20 0.41 0.00	50.26 0.31 0.00	47.42 0.33 0.00	54.41 0.97 0.00	49.76 0.87 0.00	48.59 1.51 0.00	98.87 3.12 -0.41	56.23 1.51 0.00	68.87 1.14 -0.29	58.37 0.84 -0.22	48.13 0.67 0.00
NEG CENTRAL___INDECK 23768	52.84 1.72 0.00	49.00 2.03 0.00	41.41 1.63 0.00	41.40 1.51 0.00	36.82 1.03 0.00	41.93 1.23 0.00	44.04 0.62 0.00	36.38 -0.02 -0.01	37.81 -0.29 0.00	39.73 -0.27 0.00	47.60 -0.53 0.00	46.87 -0.39 0.00	51.72 0.10 0.00	49.50 -0.29 0.00	49.34 -0.61 0.00	46.49 -0.60 0.00	53.75 0.31 0.00	49.02 0.13 0.00	47.98 0.91 0.00	98.68 3.34 0.00	56.85 2.13 0.00	69.14 1.71 0.00	58.74 1.41 0.00	48.43 0.98 0.00
NEG CENTRAL___SENECA 23627	51.79 0.59 -0.08	47.81 0.74 -0.10	40.43 0.65 0.00	40.47 0.57 0.00	36.08 0.30 0.00	41.07 0.38 0.00	43.37 -0.06 -0.02	36.19 -0.20 0.00	37.92 -0.18 0.00	39.93 -0.06 0.00	48.27 0.14 0.00	47.48 0.23 0.00	52.41 0.79 0.00	50.30 0.51 0.00	50.31 0.35 0.00	47.47 0.38 0.00	54.63 1.20 0.00	49.91 1.02 0.00	48.92 1.85 0.00	99.43 3.85 -0.24	56.57 1.85 0.00	69.05 1.44 -0.17	58.56 1.11 -0.13	48.36 0.90 0.00
NEG CENTRAL___STATE_STREET 24147	51.88 0.58 -0.17	47.87 0.69 -0.21	40.27 0.48 0.00	40.39 0.50 0.00	36.15 0.37 0.00	41.13 0.43 0.00	43.63 0.18 -0.04	36.43 0.05 0.00	38.06 -0.05 0.00	40.01 0.02 0.00	48.26 0.14 0.00	47.55 0.29 0.00	52.22 0.60 0.00	50.13 0.34 0.00	50.36 0.40 0.00	47.51 0.41 0.00	54.36 0.93 0.00	49.80 0.91 0.00	48.39 1.32 0.00	98.70 2.87 -0.50	56.24 1.52 0.00	69.12 1.34 -0.35	58.56 0.97 -0.27	48.20 0.75 0.00
NEG MILLWOOD___DRP 24198	54.30 3.17 0.00	50.31 3.34 0.00	42.77 2.99 0.00	42.75 2.85 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.38 2.97 0.00	38.94 2.55 0.00	40.75 2.65 0.00	42.85 2.86 0.00	51.63 3.50 0.00	50.79 3.53 0.00	55.43 3.80 0.00	53.59 3.79 0.00	53.52 3.57 0.00	50.96 3.87 0.00	57.90 4.47 0.00	53.25 4.37 0.00	51.27 4.20 0.00	102.19 6.85 0.00	58.45 3.73 0.00	71.50 4.07 0.00	60.42 3.10 0.00	50.16 2.70 0.00
NEG NORTH_FLCN_SEA 23793	51.04 -0.09 0.00	46.16 -0.81 0.00	38.88 -0.90 0.00	39.06 -0.83 0.00	35.07 -0.72 0.00	40.05 -0.65 0.00	43.21 -0.20 0.00	36.32 -0.07 0.00	37.79 -0.31 0.00	39.65 -0.34 0.00	48.06 -0.07 0.00	46.79 -0.47 0.00	50.74 -0.87 0.00	48.42 -1.37 0.00	48.37 -1.59 0.00	45.18 -1.91 0.00	51.16 -2.28 0.00	46.86 -2.03 0.00	44.76 -2.32 0.00	92.00 -3.34 0.00	52.95 -1.77 0.00	65.63 -1.80 0.00	55.75 -1.57 0.00	46.46 -1.00 0.00
NEG NORTH_KES_CHATEGAY 23792	50.90 -0.22 0.00	45.99 -0.98 0.00	38.77 -1.01 0.00	39.02 -0.88 0.00	34.99 -0.80 0.00	39.93 -0.77 0.00	43.10 -0.31 0.00	36.19 -0.19 0.00	37.87 -0.23 0.00	39.79 -0.20 0.00	48.03 -0.10 0.00	46.87 -0.39 0.00	50.91 -0.71 0.00	48.90 -0.90 0.00	49.00 -0.96 0.00	45.74 -1.35 0.00	51.86 -1.58 0.00	47.40 -1.49 0.00	45.36 -1.72 0.00	93.12 -2.21 0.00	53.63 -1.10 0.00	66.52 -0.91 0.00	56.33 -0.99 0.00	46.51 -0.96 0.00
NEG NORTH___ALICE_FALLS 23915	51.34 0.22 0.00	46.42 -0.54 0.00	39.11 -0.67 0.00	39.29 -0.60 0.00	35.25 -0.53 0.00	40.26 -0.44 0.00	43.43 0.02 0.00	36.48 0.10 0.00	38.01 -0.09 0.00	39.89 -0.10 0.00	48.27 0.14 0.00	47.08 -0.18 0.00	51.13 -0.49 0.00	48.97 -0.82 0.00	48.98 -0.98 0.00	45.73 -1.36 0.00	51.85 -1.59 0.00	47.52 -1.38 0.00	45.46 -1.61 0.00	93.48 -1.85 0.00	53.90 -0.82 0.00	66.74 -0.70 0.00	56.54 -0.78 0.00	46.87 -0.59 0.00
NEG NORTH___LWR_SARANAC 23913	51.34 0.22 0.00	46.42 -0.54 0.00	39.11 -0.67 0.00	39.29 -0.60 0.00	35.25 -0.53 0.00	40.26 -0.44 0.00	43.43 0.02 0.00	36.48 0.10 0.00	38.01 -0.09 0.00	39.89 -0.10 0.00	48.27 0.14 0.00	47.08 -0.18 0.00	51.13 -0.49 0.00	48.97 -0.82 0.00	48.98 -0.98 0.00	45.73 -1.36 0.00	51.85 -1.59 0.00	47.52 -1.38 0.00	45.46 -1.61 0.00	93.48 -1.85 0.00	53.90 -0.82 0.00	66.74 -0.70 0.00	56.54 -0.78 0.00	46.87 -0.59 0.00
NEG NORTH___PLATTSBURG 23628	51.34 0.22 0.00	46.42 -0.54 0.00	39.11 -0.67 0.00	39.29 -0.60 0.00	35.25 -0.54 0.00	40.26 -0.44 0.00	43.43 0.02 0.00	36.48 0.10 0.00	38.01 -0.09 0.00	39.89 -0.10 0.00	48.27 0.14 0.00	47.08 -0.18 0.00	51.13 -0.49 0.00	48.97 -0.83 0.00	48.98 -0.98 0.00	45.73 -1.36 0.00	51.85 -1.59 0.00	47.52 -1.37 0.00	45.46 -1.61 0.00	93.48 -1.85 0.00	53.90 -0.82 0.00	66.74 -0.70 0.00	56.54 -0.78 0.00	46.87 -0.59 0.00
NEG WEST_LEA_LOCKPORT 23791	50.44 -0.68 0.00	46.36 -0.61 0.00	39.30 -0.48 0.00	39.31 -0.59 0.00	34.82 -0.96 0.00	39.55 -1.15 0.00	41.17 -2.24 0.00	34.01 -2.37 0.00	36.03 -2.07 0.00	38.42 -1.57 0.00	46.71 -1.42 0.00	46.52 -0.74 0.00	51.60 -0.02 0.00	49.16 -0.64 0.00	48.69 -1.27 0.00	45.59 -1.50 0.00	52.75 -0.68 0.00	47.86 -1.03 0.00	46.83 -0.24 0.00	95.06 -0.28 0.00	53.86 -0.86 0.00	65.35 -2.08 0.00	56.50 -0.82 0.00	47.17 -0.29 0.00
NEG WEST___LANCASTR 23811	50.27 -0.85 0.00	46.21 -0.76 0.00	39.11 -0.68 0.00	39.13 -0.76 0.00	34.73 -1.06 0.00	39.51 -1.19 0.00	41.33 -2.08 0.00	34.44 -1.94 0.00	36.48 -1.63 0.00	38.81 -1.19 0.00	47.21 -0.91 0.00	46.82 -0.44 0.00	51.90 0.28 0.00	49.48 -0.31 0.00	49.08 -0.88 0.00	46.09 -1.00 0.00	53.38 -0.05 0.00	48.36 -0.53 0.00	47.35 0.28 0.00	96.03 0.69 0.00	54.31 -0.41 0.00	65.97 -1.46 0.00	56.69 -0.63 0.00	47.24 -0.22 0.00
NEG_PENN_ALLEGHNY 23528	51.68 0.56 0.00	47.68 0.72 0.00	40.45 0.67 0.00	40.50 0.60 0.00	36.19 0.40 0.00	41.18 0.49 0.00	43.56 0.15 0.00	36.42 0.03 0.00	38.18 0.08 0.00	40.15 0.15 0.00	48.47 0.34 0.00	47.73 0.47 0.00	52.48 0.86 0.00	50.56 0.77 0.00	50.46 0.51 0.00	47.68 0.59 0.00	54.60 1.17 0.00	49.82 0.94 0.00	48.53 1.45 0.00	98.03 2.70 0.00	55.92 1.19 0.00	68.33 0.90 0.00	58.00 0.68 0.00	48.04 0.58 0.00
NEG___GEN_MONROE 24207	51.79 0.66 0.00	47.65 0.68 0.00	40.31 0.53 0.00	40.30 0.41 0.00	35.85 0.06 0.00	40.76 0.06 0.00	42.84 -0.57 0.00	35.69 -0.70 0.00	37.66 -0.44 0.00	39.97 -0.03 0.00	48.49 0.37 0.00	48.11 0.85 0.00	53.14 1.52 0.00	50.98 1.18 0.00	50.79 0.84 0.00	47.78 0.69 0.00	55.05 1.61 0.00	50.20 1.32 0.00	48.97 1.90 0.00	99.42 4.09 0.00	56.53 1.81 0.00	68.69 1.25 0.00	58.74 1.41 0.00	48.68 1.22 0.00
NEPA___ENERGY 23901	50.88 -0.24 0.00	46.93 -0.03 0.00	39.65 -0.13 0.00	39.78 -0.12 0.00	35.24 -0.54 0.00	40.20 -0.50 0.00	42.08 -1.33 0.00	35.03 -1.35 0.00	37.06 -1.05 0.00	39.29 -0.70 0.00	47.81 -0.31 0.00	47.22 -0.03 0.00	52.55 0.93 0.00	50.11 0.31 0.00	49.63 -0.32 0.00	46.66 -0.43 0.00	54.26 0.83 0.00	49.04 0.15 0.00	48.24 1.16 0.00	97.90 2.56 0.00	55.12 0.39 0.00	67.09 -0.34 0.00	57.50 0.18 0.00	47.87 0.41 0.00



NEVERSINK___HYD 23608	53.08 1.95 0.00	49.11 2.15 0.00	41.75 1.97 0.00	41.74 1.85 0.00	37.49 1.71 0.00	42.57 1.88 0.00	45.21 1.80 0.00	37.92 1.53 0.00	39.65 1.55 0.00	41.70 1.70 0.00	50.24 2.11 0.00	49.41 2.15 0.00	53.88 2.26 0.00	52.04 2.24 0.00	51.99 2.04 0.00	49.25 2.16 0.00	56.06 2.63 0.00	51.69 2.80 0.00	49.91 2.84 0.00	99.97 4.63 0.00	57.17 2.45 0.00	69.94 2.50 0.00	59.10 1.78 0.00	48.98 1.52 0.00
NEWKRMKL_115KV_TB1 55635	51.84 0.71 0.00	47.97 1.00 0.00	40.84 1.05 0.00	40.80 0.91 0.00	36.81 1.02 0.00	41.68 0.98 0.00	44.31 0.90 0.00	37.19 0.80 0.00	38.81 0.70 0.00	40.49 0.49 0.00	48.57 0.44 0.00	47.75 0.49 0.00	51.99 0.38 0.00	50.32 0.53 0.00	50.48 0.52 0.00	47.95 0.86 0.00	54.19 0.76 0.00	49.88 0.99 0.00	48.05 0.98 0.00	96.31 0.97 0.00	55.52 0.80 0.00	68.21 0.78 0.00	57.68 0.36 0.00	47.69 0.23 0.00
NEWTON___FALLS_HYD 23847	51.65 0.45 -0.08	47.37 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.67 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.69 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
NGRID_A1_DSASP 323792	49.45 -1.68 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.24 -1.55 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.83 0.00	35.66 -2.44 0.00	38.15 -1.84 0.00	46.51 -1.62 0.00	46.34 -0.92 0.00	51.45 -0.17 0.00	48.86 -0.93 0.00	48.45 -1.51 0.00	45.07 -2.02 0.00	52.13 -1.31 0.00	47.23 -1.66 0.00	46.16 -0.91 0.00	93.56 -1.78 0.00	52.97 -1.75 0.00	64.25 -3.19 0.00	55.79 -1.53 0.00	46.79 -0.67 0.00
NGRID_A2_DSASP 323793	49.45 -1.68 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.24 -1.55 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.83 0.00	35.66 -2.44 0.00	38.15 -1.84 0.00	46.51 -1.62 0.00	46.34 -0.92 0.00	51.45 -0.17 0.00	48.86 -0.93 0.00	48.45 -1.51 0.00	45.07 -2.02 0.00	52.13 -1.31 0.00	47.23 -1.66 0.00	46.16 -0.91 0.00	93.56 -1.78 0.00	52.97 -1.75 0.00	64.25 -3.19 0.00	55.79 -1.53 0.00	46.79 -0.67 0.00
NGRID_A4_DSASP 323807	49.45 -1.68 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.24 -1.55 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.83 0.00	35.66 -2.44 0.00	38.15 -1.84 0.00	46.51 -1.62 0.00	46.34 -0.92 0.00	51.45 -0.17 0.00	48.86 -0.93 0.00	48.45 -1.51 0.00	45.07 -2.02 0.00	52.13 -1.31 0.00	47.23 -1.66 0.00	46.16 -0.91 0.00	93.56 -1.78 0.00	52.97 -1.75 0.00	64.25 -3.19 0.00	55.79 -1.53 0.00	46.79 -0.67 0.00
NIAGARA_115E_LBMP 323715	49.97 -1.16 0.00	45.96 -1.00 0.00	38.99 -0.80 0.00	39.00 -0.90 0.00	34.54 -1.25 0.00	39.23 -1.47 0.00	40.82 -2.60 0.00	33.58 -2.81 0.00	35.52 -2.58 0.00	37.96 -2.04 0.00	46.23 -1.90 0.00	46.03 -1.22 0.00	51.09 -0.53 0.00	48.64 -1.16 0.00	48.12 -1.83 0.00	45.11 -1.98 0.00	52.20 -1.23 0.00	47.35 -1.53 0.00	46.31 -0.76 0.00	93.88 -1.46 0.00	53.19 -1.53 0.00	64.50 -2.94 0.00	55.88 -1.44 0.00	46.73 -0.73 0.00
NIAGARA_115W_LBMP 323714	49.31 -1.81 0.00	45.45 -1.51 0.00	38.58 -1.20 0.00	38.59 -1.30 0.00	34.18 -1.61 0.00	38.82 -1.88 0.00	40.38 -3.03 0.00	33.49 -2.89 0.00	35.58 -2.52 0.00	38.07 -1.92 0.00	46.41 -1.72 0.00	46.23 -1.03 0.00	51.31 -0.31 0.00	48.73 -1.07 0.00	48.32 -1.64 0.00	44.94 -2.15 0.00	51.98 -1.46 0.00	47.11 -1.78 0.00	46.04 -1.03 0.00	93.29 -2.05 0.00	52.84 -1.88 0.00	64.07 -3.36 0.00	55.63 -1.68 0.00	46.68 -0.78 0.00
NIAGARA_230_LBMP 323716	49.82 -1.31 0.00	45.85 -1.11 0.00	38.89 -0.89 0.00	38.91 -0.99 0.00	34.47 -1.32 0.00	39.16 -1.54 0.00	40.76 -2.65 0.00	33.81 -2.57 0.00	35.89 -2.21 0.00	38.37 -1.63 0.00	46.74 -1.39 0.00	46.51 -0.75 0.00	51.60 -0.02 0.00	49.12 -0.68 0.00	48.65 -1.31 0.00	45.53 -1.56 0.00	52.68 -0.75 0.00	47.75 -1.14 0.00	46.67 -0.40 0.00	94.62 -0.72 0.00	53.57 -1.15 0.00	64.96 -2.47 0.00	56.17 -1.15 0.00	46.95 -0.50 0.00
NIAGARA___115KV_198_GIBSON 55903	49.31 -1.82 0.00	45.45 -1.52 0.00	38.58 -1.20 0.00	38.59 -1.30 0.00	34.18 -1.61 0.00	38.82 -1.88 0.00	40.38 -3.03 0.00	33.49 -2.89 0.00	35.58 -2.52 0.00	38.07 -1.92 0.00	46.41 -1.72 0.00	46.26 -1.00 0.00	51.30 -0.32 0.00	48.72 -1.08 0.00	48.34 -1.62 0.00	44.93 -2.16 0.00	51.97 -1.46 0.00	47.09 -1.79 0.00	46.04 -1.03 0.00	93.28 -2.05 0.00	52.84 -1.89 0.00	64.09 -3.35 0.00	55.64 -1.68 0.00	46.68 -0.78 0.00
NIAGARA____ 23760	49.82 -1.31 0.00	45.85 -1.11 0.00	38.89 -0.89 0.00	38.91 -0.99 0.00	34.47 -1.32 0.00	39.16 -1.54 0.00	40.76 -2.65 0.00	33.81 -2.57 0.00	35.89 -2.21 0.00	38.37 -1.63 0.00	46.74 -1.39 0.00	46.51 -0.75 0.00	51.60 -0.02 0.00	49.12 -0.68 0.00	48.65 -1.31 0.00	45.53 -1.56 0.00	52.68 -0.75 0.00	47.75 -1.14 0.00	46.67 -0.40 0.00	94.62 -0.72 0.00	53.57 -1.15 0.00	64.96 -2.47 0.00	56.17 -1.15 0.00	46.95 -0.50 0.00
NINE_MILE_1 23575	47.66 -1.40 2.07	43.16 -1.21 2.60	38.84 -0.94 0.00	38.90 -0.99 0.00	34.84 -0.94 0.00	39.62 -1.08 0.00	41.57 -1.37 0.47	35.22 -1.16 0.00	36.91 -1.19 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.18 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.24 -1.91 6.18	53.56 -1.16 0.00	61.39 -1.74 4.30	52.53 -1.51 3.28	46.23 -1.23 0.00
NINE_MILE_2 23744	47.64 -1.40 2.09	43.14 -1.21 2.62	38.85 -0.94 0.00	38.90 -0.99 0.00	34.84 -0.94 0.00	39.63 -1.08 0.00	41.57 -1.37 0.48	35.22 -1.16 0.00	36.91 -1.19 0.00	38.80 -1.19 0.00	46.76 -1.37 0.00	46.00 -1.26 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.26 -1.18 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.19 -1.91 6.24	53.56 -1.16 0.00	61.35 -1.74 4.34	52.50 -1.51 3.31	46.23 -1.23 0.00
NM_CAPITAL___DRP 24208	51.90 0.77 0.00	48.05 1.09 0.00	40.91 1.13 0.00	40.87 0.98 0.00	36.86 1.08 0.00	41.75 1.06 0.00	44.40 0.99 0.00	37.23 0.84 0.00	38.87 0.76 0.00	40.56 0.57 0.00	48.63 0.51 0.00	47.81 0.55 0.00	52.05 0.43 0.00	50.37 0.57 0.00	50.53 0.57 0.00	48.02 0.93 0.00	54.21 0.77 0.00	49.91 1.02 0.00	48.07 1.00 0.00	96.29 0.95 0.00	55.56 0.84 0.00	68.28 0.85 0.00	57.74 0.42 0.00	47.75 0.29 0.00
NM_CENTRAL___DRP 24181	50.98 -0.21 -0.06	46.97 -0.08 -0.08	39.78 0.00 0.00	39.81 -0.09 0.00	35.65 -0.14 0.00	40.53 -0.17 0.00	42.98 -0.45 -0.02	35.98 -0.41 0.00	37.72 -0.38 0.00	39.68 -0.31 0.00	47.86 -0.26 0.00	47.12 -0.14 0.00	51.63 0.01 0.00	49.81 0.02 0.00	49.85 -0.10 0.00	47.06 -0.03 0.00	53.75 0.31 0.00	49.19 0.30 0.00	47.67 0.59 0.00	96.44 0.91 -0.19	55.08 0.36 0.00	67.58 0.01 -0.14	57.32 -0.10 -0.10	47.34 -0.12 0.00



NM_FRONTIER___DRP 24179	49.31 -1.82 0.00	45.45 -1.52 0.00	38.58 -1.20 0.00	38.59 -1.30 0.00	34.18 -1.61 0.00	38.82 -1.88 0.00	40.38 -3.03 0.00	33.49 -2.89 0.00	35.58 -2.52 0.00	38.07 -1.92 0.00	46.41 -1.72 0.00	46.26 -1.00 0.00	51.30 -0.32 0.00	48.72 -1.08 0.00	48.34 -1.62 0.00	44.93 -2.16 0.00	51.97 -1.46 0.00	47.09 -1.79 0.00	46.04 -1.03 0.00	93.28 -2.05 0.00	52.84 -1.89 0.00	64.09 -3.35 0.00	55.64 -1.68 0.00	46.68 -0.78 0.00
NM_ST_REGIS___HYD 24053	51.60 0.48 0.00	46.87 -0.09 0.00	39.51 -0.28 0.00	39.74 -0.16 0.00	35.66 -0.13 0.00	40.61 -0.09 0.00	43.76 0.35 0.00	36.70 0.32 0.00	38.48 0.37 0.00	40.41 0.42 0.00	48.68 0.55 0.00	47.46 0.21 0.00	51.63 0.02 0.00	49.73 -0.07 0.00	49.81 -0.15 0.00	46.38 -0.71 0.00	52.37 -1.07 0.00	47.55 -1.34 0.00	45.65 -1.42 0.00	93.95 -1.39 0.00	54.21 -0.51 0.00	67.43 0.00 0.00	57.61 0.29 0.00	47.81 0.34 0.00
NORTHPORT___1 23551	52.71 1.59 0.00	49.76 2.80 0.00	42.26 2.48 0.00	42.18 2.29 0.00	37.83 2.04 0.00	43.17 2.47 0.00	45.49 2.07 0.00	37.97 1.59 0.00	37.39 1.21 1.92	39.35 1.39 2.03	47.50 1.70 2.33	46.92 1.71 2.04	43.03 1.84 10.44	46.33 1.97 5.43	47.07 1.77 4.65	46.79 2.20 2.51	45.03 2.33 10.74	28.09 2.41 23.21	45.43 2.12 3.76	42.93 2.48 54.89	27.04 1.32 29.01	23.97 1.21 44.66	20.83 0.74 37.24	21.35 0.82 26.94
NORTHPORT___2 23552	52.71 1.59 0.00	49.76 2.80 0.00	42.26 2.48 0.00	42.18 2.29 0.00	37.83 2.04 0.00	43.17 2.47 0.00	45.49 2.07 0.00	37.97 1.59 0.00	37.39 1.21 1.92	39.35 1.39 2.03	47.50 1.70 2.33	46.92 1.71 2.04	43.03 1.84 10.44	46.33 1.97 5.43	47.07 1.77 4.65	46.79 2.20 2.51	45.03 2.33 10.74	28.09 2.41 23.21	45.43 2.12 3.76	42.93 2.48 54.89	27.04 1.32 29.01	23.97 1.21 44.66	20.83 0.74 37.24	21.35 0.82 26.94
NORTHPORT___3 23553	52.90 1.77 0.00	49.94 2.98 0.00	42.41 2.62 0.00	42.32 2.42 0.00	37.98 2.20 0.00	43.30 2.60 0.00	45.65 2.24 0.00	38.09 1.71 0.00	37.49 1.30 1.91	39.44 1.47 2.02	47.55 1.74 2.31	46.98 1.75 2.03	43.21 1.97 10.38	46.45 2.07 5.41	47.16 1.83 4.62	46.92 2.32 2.49	45.21 2.45 10.68	28.23 2.43 23.08	45.40 2.09 3.76	43.02 2.37 54.68	27.16 1.31 28.86	24.03 1.01 44.41	20.90 0.60 37.02	21.50 0.82 26.78
NORTHPORT___4 23650	52.90 1.77 0.00	49.94 2.98 0.00	42.41 2.62 0.00	42.32 2.42 0.00	37.98 2.20 0.00	43.30 2.60 0.00	45.65 2.24 0.00	38.09 1.71 0.00	37.49 1.30 1.91	39.44 1.47 2.02	47.55 1.74 2.31	46.98 1.75 2.03	43.21 1.97 10.38	46.45 2.07 5.41	47.16 1.83 4.62	46.92 2.32 2.49	45.21 2.45 10.68	28.23 2.43 23.08	45.40 2.09 3.76	43.02 2.37 54.68	27.16 1.31 28.86	24.03 1.01 44.41	20.90 0.60 37.02	21.50 0.82 26.78
NORTHPORT___IC 23718	52.71 1.59 0.00	49.76 2.80 0.00	42.26 2.48 0.00	42.18 2.29 0.00	37.83 2.05 0.00	43.17 2.47 0.00	45.48 2.07 0.00	37.98 1.59 0.00	37.39 1.21 1.92	39.35 1.39 2.03	47.52 1.72 2.33	46.91 1.70 2.04	43.06 1.88 10.44	46.34 1.98 5.43	47.10 1.79 4.65	46.78 2.20 2.51	45.05 2.35 10.74	28.14 2.46 23.21	45.44 2.14 3.76	42.93 2.49 54.89	27.05 1.34 29.01	23.99 1.23 44.66	20.84 0.76 37.24	21.38 0.85 26.94
NORTH___COUNTRY_ESR 323785	50.79 -0.34 0.00	45.87 -1.10 0.00	38.67 -1.12 0.00	38.92 -0.98 0.00	34.91 -0.87 0.00	39.84 -0.86 0.00	43.00 -0.41 0.00	36.18 -0.20 0.00	37.86 -0.24 0.00	39.79 -0.20 0.00	48.03 -0.10 0.00	46.86 -0.39 0.00	50.90 -0.72 0.00	48.89 -0.90 0.00	48.99 -0.96 0.00	45.73 -1.36 0.00	51.85 -1.58 0.00	47.39 -1.50 0.00	45.35 -1.73 0.00	93.05 -2.29 0.00	53.47 -1.25 0.00	66.32 -1.11 0.00	56.19 -1.13 0.00	46.38 -1.09 0.00
NPX_GEN_1385_PROXY 323591	52.85 1.73 0.00	49.88 2.92 0.00	42.33 2.54 0.00	42.28 2.39 0.00	37.89 2.11 0.00	42.11 2.59 1.18	44.83 2.19 0.78	37.98 1.59 0.00	37.49 1.31 1.92	39.45 1.49 2.03	47.68 1.88 2.33	46.93 1.72 2.04	42.96 1.78 10.44	46.27 1.91 5.43	47.05 1.75 4.65	46.71 2.13 2.51	45.27 2.57 10.74	28.38 2.70 23.21	45.63 2.32 3.76	43.12 2.67 54.89	27.51 1.80 29.01	24.24 1.47 44.66	21.46 1.01 36.87	21.36 0.83 26.94
NPX_GEN_CSC 323557	52.71 1.58 0.00	49.56 2.59 0.00	42.06 2.28 0.00	41.88 1.98 0.00	37.57 1.78 0.00	41.83 2.31 1.18	44.65 2.01 0.78	38.06 1.68 0.00	37.66 1.45 1.89	39.68 1.69 2.00	48.02 2.19 2.29	47.47 2.22 2.01	43.57 2.22 10.27	46.71 2.27 5.35	47.62 2.24 4.58	47.28 2.66 2.47	45.76 2.89 10.57	29.30 3.25 22.83	46.34 2.98 3.72	45.57 4.36 54.13	28.57 2.41 28.56	25.94 2.46 43.96	22.87 1.81 36.26	22.44 1.48 26.50
NSINS_S_GLNS_FALLS 23858	53.96 2.83 0.00	49.95 2.98 0.00	42.38 2.59 0.00	42.34 2.44 0.00	38.06 2.27 0.00	43.32 2.62 0.00	46.14 2.73 0.00	38.47 2.08 0.00	40.07 1.97 0.00	41.75 1.75 0.00	49.71 1.59 0.00	48.84 1.59 0.00	53.13 1.51 0.00	51.43 1.64 0.00	51.77 1.82 0.00	49.27 2.19 0.00	55.97 2.53 0.00	51.63 2.74 0.00	50.44 3.37 0.00	101.49 6.15 0.00	58.58 3.86 0.00	71.82 4.39 0.00	60.48 3.16 0.00	49.75 2.29 0.00
NUCOR_STEEL___DRP 24197	51.84 0.53 -0.18	47.83 0.64 -0.23	40.20 0.42 0.00	40.34 0.45 0.00	36.12 0.33 0.00	41.10 0.40 0.00	43.59 0.14 -0.04	36.42 0.03 0.00	38.04 -0.07 0.00	39.99 0.00 0.00	48.24 0.11 0.00	47.54 0.29 0.00	52.20 0.58 0.00	50.09 0.30 0.00	50.31 0.35 0.00	47.47 0.38 0.00	54.31 0.88 0.00	49.76 0.87 0.00	48.31 1.24 0.00	98.47 2.59 -0.54	56.05 1.33 0.00	68.98 1.17 -0.38	58.47 0.86 -0.29	48.15 0.69 0.00
NUMBER_THREE_WT_PWR 323818	51.60 0.38 -0.09	47.65 0.57 -0.12	40.11 0.33 0.00	40.16 0.27 0.00	35.98 0.20 0.00	40.81 0.11 0.00	43.52 0.09 -0.02	36.70 0.32 0.00	38.46 0.36 0.00	40.37 0.38 0.00	48.37 0.24 0.00	47.00 -0.26 0.00	51.27 -0.35 0.00	49.84 0.04 0.00	50.03 0.08 0.00	46.90 -0.19 0.00	52.86 -0.57 0.00	48.54 -0.34 0.00	47.11 0.04 0.00	96.19 0.58 -0.28	55.12 0.40 0.00	68.28 0.66 -0.19	57.59 0.12 -0.15	47.21 -0.25 0.00
NYISO_LBMP_REFERENCE 24008	51.12 0.00 0.00	46.96 0.00 0.00	39.78 0.00 0.00	39.90 0.00 0.00	35.79 0.00 0.00	40.70 0.00 0.00	43.41 0.00 0.00	36.39 0.00 0.00	38.10 0.00 0.00	39.99 0.00 0.00	48.13 0.00 0.00	47.26 0.00 0.00	51.62 0.00 0.00	49.79 0.00 0.00	49.96 0.00 0.00	47.09 0.00 0.00	53.44 0.00 0.00	48.89 0.00 0.00	47.07 0.00 0.00	95.34 0.00 0.00	54.72 0.00 0.00	67.43 0.00 0.00	57.32 0.00 0.00	47.46 0.00 0.00
NYPA_BRENTWD____GT 24164	53.65 2.52 0.00	50.49 3.52 0.00	42.85 3.06 0.00	42.75 2.85 0.00	38.33 2.54 0.00	43.76 3.06 0.00	46.18 2.77 0.00	38.63 2.25 0.00	38.24 1.99 1.86	40.26 2.23 1.96	48.65 2.78 2.25	48.07 2.78 1.97	44.47 2.92 10.07	47.56 3.01 5.24	48.38 2.90 4.48	47.75 3.09 2.42	46.47 3.39 10.36	29.97 3.45 22.37	46.60 3.16 3.64	46.83 4.55 53.06	29.27 2.54 27.99	27.16 2.82 43.09	23.51 2.09 35.89	23.36 1.87 25.96



NYPA_GOWANUS____GT5 24156	54.12 3.00 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.48 3.52 0.00	50.90 3.81 0.00	57.78 4.34 0.00	53.06 4.17 0.00	50.92 3.85 0.00	101.36 6.02 0.00	58.04 3.32 0.00	71.03 3.60 0.00	60.12 2.80 0.00	50.33 2.87 0.00
NYPA_GOWANUS____GT6 24157	54.12 3.00 0.00	50.32 3.36 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.68 0.00	43.67 2.97 0.00	46.41 3.00 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.91 2.91 0.00	51.64 3.52 0.00	50.71 3.45 0.00	55.34 3.72 0.00	53.67 3.88 0.00	53.48 3.52 0.00	50.90 3.81 0.00	57.78 4.34 0.00	53.06 4.17 0.00	50.92 3.85 0.00	101.36 6.02 0.00	58.04 3.32 0.00	71.03 3.60 0.00	60.12 2.80 0.00	50.33 2.87 0.00
NYPA_HARLEM__RVR__GT1 24160	54.18 3.05 0.00	50.34 3.38 0.00	42.81 3.03 0.00	42.81 2.91 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.40 2.99 0.00	39.00 2.62 0.00	40.86 2.75 -0.01	42.93 2.93 0.00	51.62 3.49 0.00	50.75 3.49 0.00	55.37 3.75 0.00	53.54 3.75 0.00	53.38 3.42 0.00	50.81 3.72 0.00	57.71 4.28 0.00	52.92 4.03 0.00	50.74 3.67 0.00	101.07 5.74 0.00	57.89 3.17 0.00	70.86 3.43 0.00	59.99 2.67 0.00	50.25 2.79 0.00
NYPA_HARLEM__RVR__GT2 24161	54.18 3.05 0.00	50.34 3.38 0.00	42.81 3.03 0.00	42.81 2.91 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.40 2.99 0.00	39.00 2.62 0.00	40.86 2.75 -0.01	42.93 2.93 0.00	51.62 3.49 0.00	50.75 3.49 0.00	55.37 3.75 0.00	53.54 3.75 0.00	53.38 3.42 0.00	50.81 3.72 0.00	57.71 4.28 0.00	52.92 4.03 0.00	50.74 3.67 0.00	101.07 5.74 0.00	57.89 3.17 0.00	70.86 3.43 0.00	59.99 2.67 0.00	50.25 2.79 0.00
NYPA_KENT____GT 24152	54.12 3.00 0.00	50.31 3.34 0.00	42.76 2.97 0.00	42.77 2.87 0.00	38.44 2.65 0.00	43.65 2.95 0.00	46.39 2.98 0.00	38.98 2.59 0.00	40.81 2.71 0.00	42.91 2.92 0.00	51.69 3.56 0.00	50.79 3.53 0.00	55.41 3.79 0.00	53.67 3.87 0.00	53.46 3.50 0.00	50.90 3.81 0.00	57.78 4.34 0.00	53.02 4.13 0.00	50.85 3.78 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.88 3.45 0.00	59.99 2.67 0.00	50.24 2.77 0.00
NYPA_POUCH1____GT 24155	53.99 2.87 0.00	50.25 3.29 0.00	42.74 2.96 0.00	42.77 2.88 0.00	38.44 2.66 0.00	43.65 2.95 0.00	46.36 2.95 0.00	38.92 2.54 0.00	40.74 2.64 0.00	42.80 2.81 0.00	51.47 3.34 0.00	50.52 3.26 0.00	53.32 3.51 1.82	53.52 3.72 0.00	53.36 3.40 0.00	50.82 3.72 0.00	57.66 4.22 0.00	52.98 4.09 0.00	50.89 3.82 0.00	101.31 5.97 0.00	57.99 3.27 0.00	70.99 3.56 0.00	60.05 2.73 0.00	50.28 2.82 0.00
NYPA_VERNON____GT2 24162	54.12 3.00 0.00	50.28 3.31 0.00	42.73 2.95 0.00	42.74 2.84 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.38 2.97 0.00	38.97 2.58 0.00	40.80 2.70 0.00	42.93 2.94 0.00	51.74 3.62 0.00	50.85 3.60 0.00	55.48 3.86 0.00	53.66 3.86 0.00	53.49 3.53 0.00	50.91 3.82 0.00	57.81 4.37 0.00	53.03 4.14 0.00	50.82 3.75 0.00	101.09 5.75 0.00	57.86 3.14 0.00	70.79 3.36 0.00	59.90 2.58 0.00	50.14 2.68 0.00
NYPA_VERNON____GT3 24163	54.12 3.00 0.00	50.28 3.31 0.00	42.73 2.95 0.00	42.74 2.84 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.38 2.97 0.00	38.97 2.58 0.00	40.80 2.70 0.00	42.93 2.94 0.00	51.74 3.62 0.00	50.85 3.60 0.00	55.48 3.86 0.00	53.66 3.86 0.00	53.49 3.53 0.00	50.91 3.82 0.00	57.81 4.37 0.00	53.03 4.14 0.00	50.82 3.75 0.00	101.09 5.75 0.00	57.86 3.14 0.00	70.79 3.36 0.00	59.90 2.58 0.00	50.14 2.68 0.00
NYPA____ASTORIA_CC1 323568	54.02 2.90 0.00	50.20 3.24 0.00	42.66 2.87 0.00	42.66 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.29 2.89 0.00	38.90 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.51 0.00	55.37 3.74 0.00	53.56 3.77 0.00	53.40 3.44 0.00	50.85 3.76 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.90 5.57 0.00	57.76 3.05 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.09 2.62 0.00
NYPA____ASTORIA_CC2 323569	54.02 2.90 0.00	50.20 3.24 0.00	42.66 2.87 0.00	42.66 2.77 0.00	38.35 2.57 0.00	43.56 2.86 0.00	46.29 2.89 0.00	38.90 2.52 0.00	40.73 2.63 0.00	42.85 2.85 0.00	51.66 3.53 0.00	50.76 3.51 0.00	55.37 3.74 0.00	53.56 3.77 0.00	53.40 3.44 0.00	50.85 3.76 0.00	57.71 4.28 0.00	52.93 4.04 0.00	50.73 3.66 0.00	100.90 5.57 0.00	57.76 3.05 0.00	70.68 3.25 0.00	59.82 2.50 0.00	50.09 2.62 0.00
NYPA____HOLTSVILL 23794	53.01 1.88 0.00	49.89 2.93 0.00	42.38 2.59 0.00	42.26 2.36 0.00	37.89 2.10 0.00	43.28 2.58 0.00	45.67 2.26 0.00	38.23 1.85 0.00	37.81 1.60 1.90	39.80 1.80 2.00	48.12 2.29 2.30	47.57 2.32 2.01	43.75 2.41 10.29	46.91 2.48 5.36	47.78 2.40 4.58	47.41 2.80 2.47	45.86 3.01 10.58	29.12 3.10 22.87	46.13 2.79 3.72	44.97 3.84 54.20	28.25 2.13 28.60	25.62 2.21 44.02	22.24 1.60 36.68	22.38 1.45 26.53
NYPA____HELLGATE_GT1 24158	54.18 3.06 0.00	50.36 3.40 0.00	42.81 3.03 0.00	42.81 2.91 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.40 2.99 0.00	38.99 2.61 0.00	40.83 2.73 0.00	42.93 2.93 0.00	51.62 3.49 0.00	50.75 3.49 0.00	55.37 3.75 0.00	53.54 3.75 0.00	53.38 3.42 0.00	50.81 3.72 0.00	57.71 4.28 0.00	52.92 4.03 0.00	50.74 3.67 0.00	101.08 5.75 0.00	57.89 3.17 0.00	70.86 3.43 0.00	59.98 2.66 0.00	50.24 2.77 0.00
NYPA____HELLGATE_GT2 24159	54.18 3.06 0.00	50.36 3.40 0.00	42.81 3.03 0.00	42.81 2.91 0.00	38.49 2.70 0.00	43.70 3.00 0.00	46.40 2.99 0.00	38.99 2.61 0.00	40.83 2.73 0.00	42.93 2.93 0.00	51.62 3.49 0.00	50.75 3.49 0.00	55.37 3.75 0.00	53.54 3.75 0.00	53.38 3.42 0.00	50.81 3.72 0.00	57.71 4.28 0.00	52.92 4.03 0.00	50.74 3.67 0.00	101.08 5.75 0.00	57.89 3.17 0.00	70.86 3.43 0.00	59.98 2.66 0.00	50.24 2.77 0.00
NYS_BARGE____HYD 23848	50.58 -0.55 0.00	46.48 -0.49 0.00	39.40 -0.38 0.00	39.40 -0.50 0.00	34.90 -0.88 0.00	39.65 -1.05 0.00	41.29 -2.12 0.00	34.07 -2.32 0.00	36.08 -2.02 0.00	38.49 -1.50 0.00	46.82 -1.30 0.00	46.61 -0.64 0.00	51.75 0.13 0.00	49.28 -0.52 0.00	48.81 -1.15 0.00	45.73 -1.36 0.00	52.91 -0.52 0.00	48.02 -0.87 0.00	46.99 -0.09 0.00	95.36 0.03 0.00	54.04 -0.68 0.00	65.55 -1.88 0.00	56.69 -0.63 0.00	47.33 -0.13 0.00
OAK ORCHARD____HYD 24046	51.31 0.19 0.00	47.20 0.24 0.00	39.99 0.21 0.00	39.98 0.09 0.00	35.59 -0.20 0.00	40.47 -0.23 0.00	42.55 -0.86 0.00	35.50 -0.88 0.00	37.49 -0.61 0.00	39.82 -0.17 0.00	48.32 0.19 0.00	47.89 0.64 0.00	52.88 1.26 0.00	50.71 0.92 0.00	50.54 0.58 0.00	47.57 0.48 0.00	54.76 1.32 0.00	49.91 1.02 0.00	48.60 1.53 0.00	98.47 3.14 0.00	55.98 1.26 0.00	68.05 0.62 0.00	58.17 0.85 0.00	48.23 0.77 0.00



OAKDALE___35_KV_LOAD 356122	51.53 0.41 0.00	47.57 0.61 0.00	40.37 0.59 0.00	40.42 0.52 0.00	36.12 0.33 0.00	41.11 0.41 0.00	43.48 0.07 0.00	36.36 -0.02 0.00	38.11 0.01 0.00	40.06 0.07 0.00	48.37 0.24 0.00	47.59 0.33 0.00	52.32 0.70 0.00	50.40 0.61 0.00	50.27 0.32 0.00	47.50 0.41 0.00	54.36 0.92 0.00	49.60 0.71 0.00	48.27 1.20 0.00	97.52 2.18 0.00	55.64 0.92 0.00	68.04 0.61 0.00	57.80 0.48 0.00	47.90 0.44 0.00
OCC_CHEM___DRP 24175	49.44 -1.69 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.25 -1.54 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.82 0.00	35.66 -2.44 0.00	38.16 -1.84 0.00	46.51 -1.62 0.00	46.37 -0.89 0.00	51.44 -0.18 0.00	48.86 -0.94 0.00	48.46 -1.50 0.00	45.07 -2.03 0.00	52.12 -1.31 0.00	47.23 -1.66 0.00	46.17 -0.90 0.00	93.54 -1.79 0.00	52.98 -1.74 0.00	64.25 -3.18 0.00	55.78 -1.54 0.00	46.79 -0.67 0.00
OH_GEN_PROXY 24063	49.81 -1.31 0.00	45.86 -1.10 0.00	38.90 -0.89 0.00	38.92 -0.98 0.00	34.48 -1.31 0.00	38.00 -1.53 1.18	40.04 -2.59 0.78	33.88 -2.50 0.00	35.98 -2.13 0.00	38.45 -1.55 0.00	46.84 -1.29 0.00	46.60 -0.66 0.00	51.68 0.06 0.00	49.21 -0.59 0.00	48.74 -1.22 0.00	45.64 -1.45 0.00	52.81 -0.63 0.00	47.85 -1.04 0.00	46.79 -0.29 0.00	94.83 -0.51 0.00	53.71 -1.02 0.00	65.11 -2.32 0.00	56.61 -1.09 -0.37	46.97 -0.49 0.00
OLIN_CORP_DRP 24177	50.01 -1.11 0.00	46.00 -0.96 0.00	39.03 -0.76 0.00	39.03 -0.86 0.00	34.57 -1.21 0.00	39.27 -1.42 0.00	40.86 -2.55 0.00	33.64 -2.74 0.00	35.61 -2.49 0.00	38.07 -1.93 0.00	46.35 -1.77 0.00	46.18 -1.08 0.00	51.24 -0.38 0.00	48.78 -1.02 0.00	48.29 -1.67 0.00	45.24 -1.85 0.00	52.35 -1.08 0.00	47.48 -1.41 0.00	46.44 -0.64 0.00	94.16 -1.18 0.00	53.33 -1.39 0.00	64.66 -2.78 0.00	56.00 -1.32 0.00	46.82 -0.64 0.00
OLIN_CORP_DSASP 323712	49.45 -1.68 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.24 -1.55 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.83 0.00	35.66 -2.44 0.00	38.15 -1.84 0.00	46.51 -1.62 0.00	46.34 -0.92 0.00	51.45 -0.17 0.00	48.86 -0.93 0.00	48.45 -1.51 0.00	45.07 -2.02 0.00	52.13 -1.31 0.00	47.23 -1.66 0.00	46.16 -0.91 0.00	93.56 -1.78 0.00	52.97 -1.75 0.00	64.25 -3.19 0.00	55.79 -1.53 0.00	46.79 -0.67 0.00
ONEIDA_HERK_LFGE 323681	52.13 1.01 0.00	48.02 1.06 0.00	40.63 0.85 0.00	40.68 0.78 0.00	36.46 0.68 0.00	41.44 0.74 0.00	44.11 0.70 0.00	37.04 0.66 0.00	38.75 0.65 0.00	40.67 0.68 0.00	48.86 0.73 0.00	47.83 0.57 0.00	52.20 0.58 0.00	50.58 0.78 0.00	50.75 0.79 0.00	47.84 0.75 0.00	54.19 0.75 0.00	49.75 0.86 0.00	48.21 1.14 0.00	97.87 2.53 0.00	56.18 1.46 0.00	69.18 1.75 0.00	58.51 1.19 0.00	48.16 0.70 0.00
ONEIDA___115KV_TB4 55905	52.59 1.46 0.00	48.40 1.44 0.00	41.01 1.22 0.00	41.03 1.14 0.00	36.78 0.99 0.00	41.84 1.14 0.00	44.44 1.03 0.00	37.17 0.78 0.00	38.82 0.72 0.00	40.73 0.74 0.00	49.03 0.90 0.00	48.21 0.95 0.00	52.71 1.09 0.00	50.97 1.17 0.00	51.12 1.16 0.00	48.33 1.24 0.00	55.03 1.60 0.00	50.46 1.57 0.00	48.98 1.90 0.00	99.41 4.07 0.00	57.08 2.36 0.00	70.04 2.60 0.00	59.25 1.92 0.00	48.83 1.37 0.00
ONONDAGA_REF_OCCRA 23987	51.33 0.14 -0.07	47.27 0.22 -0.08	40.03 0.25 0.00	40.05 0.16 0.00	35.86 0.07 0.00	40.77 0.07 0.00	43.24 -0.18 -0.02	36.20 -0.19 0.00	37.91 -0.19 0.00	39.85 -0.14 0.00	48.08 -0.05 0.00	47.32 0.07 0.00	51.88 0.26 0.00	50.06 0.27 0.00	50.11 0.15 0.00	47.33 0.24 0.00	54.05 0.61 0.00	49.47 0.58 0.00	47.99 0.91 0.00	97.16 1.62 -0.20	55.49 0.77 0.00	68.06 0.49 -0.14	57.71 0.28 -0.11	47.64 0.17 0.00
ONONDAGA___COGEN 23986	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
ONTARIO___LFGE 23819	51.79 0.59 -0.08	47.81 0.75 -0.10	40.43 0.65 0.00	40.46 0.57 0.00	36.08 0.30 0.00	41.07 0.38 0.00	43.37 -0.06 -0.02	36.19 -0.20 0.00	37.92 -0.18 0.00	39.93 -0.06 0.00	48.27 0.14 0.00	47.48 0.22 0.00	52.41 0.79 0.00	50.31 0.52 0.00	50.31 0.35 0.00	47.48 0.39 0.00	54.63 1.20 0.00	49.91 1.02 0.00	48.91 1.84 0.00	99.44 3.85 -0.24	56.57 1.85 0.00	69.04 1.44 -0.17	58.55 1.11 -0.13	48.35 0.89 0.00
ORANGEVILLE_WT_PWR 323706	50.74 -0.38 0.00	46.76 -0.21 0.00	39.58 -0.20 0.00	39.62 -0.27 0.00	35.14 -0.65 0.00	39.97 -0.74 0.00	41.67 -1.74 0.00	34.42 -1.96 0.01	36.24 -1.87 0.00	38.43 -1.56 0.00	46.78 -1.34 0.00	46.36 -0.90 0.00	51.29 -0.33 0.00	48.77 -1.02 0.00	48.46 -1.50 0.00	45.62 -1.48 0.00	52.88 -0.56 0.00	48.01 -0.87 0.00	47.14 0.07 0.00	96.34 1.00 0.00	54.76 0.04 0.00	66.54 -0.89 0.00	56.90 -0.42 0.00	47.22 -0.24 0.00
ORANGEVILLE___ESR 323794	50.74 -0.38 0.00	46.76 -0.21 0.00	39.58 -0.20 0.00	39.62 -0.27 0.00	35.14 -0.65 0.00	39.97 -0.74 0.00	41.67 -1.74 0.00	34.42 -1.96 0.01	36.24 -1.87 0.00	38.43 -1.56 0.00	46.78 -1.34 0.00	46.36 -0.90 0.00	51.29 -0.33 0.00	48.77 -1.02 0.00	48.46 -1.50 0.00	45.62 -1.48 0.00	52.88 -0.56 0.00	48.01 -0.87 0.00	47.14 0.07 0.00	96.34 1.00 0.00	54.76 0.04 0.00	66.54 -0.89 0.00	56.90 -0.42 0.00	47.22 -0.24 0.00
OSWEGATCHIE___HYD 24044	51.65 0.45 -0.08	47.36 0.30 -0.10	39.86 0.07 0.00	40.01 0.11 0.00	35.88 0.09 0.00	40.74 0.04 0.00	43.67 0.24 -0.02	36.66 0.28 0.00	38.45 0.35 0.00	40.31 0.32 0.00	48.38 0.25 0.00	47.05 -0.21 0.00	51.28 -0.34 0.00	49.63 -0.16 0.00	49.74 -0.22 0.00	46.45 -0.64 0.00	52.37 -1.07 0.00	47.80 -1.08 0.00	46.22 -0.86 0.00	94.90 -0.68 -0.24	54.57 -0.15 0.00	67.90 0.29 -0.17	57.72 0.27 -0.13	47.61 0.15 0.00
OSWEGO___5 23606	51.45 -0.99 -1.32	47.81 -0.81 -1.66	39.15 -0.63 0.00	39.22 -0.68 0.00	35.12 -0.66 0.00	39.92 -0.78 0.00	42.68 -1.04 -0.30	35.49 -0.89 0.00	37.20 -0.91 0.00	39.10 -0.89 0.00	47.12 -1.00 0.00	46.34 -0.91 0.00	50.73 -0.89 0.00	48.92 -0.87 0.00	48.99 -0.97 0.00	46.24 -0.86 0.00	52.66 -0.77 0.00	48.20 -0.69 0.00	46.63 -0.44 0.00	98.21 -1.07 -3.95	54.00 -0.72 0.00	68.99 -1.19 -2.75	58.36 -1.05 -2.09	46.61 -0.85 0.00
OSWEGO___6 23613	51.45 -0.99 -1.32	47.81 -0.81 -1.66	39.15 -0.63 0.00	39.22 -0.68 0.00	35.12 -0.66 0.00	39.92 -0.78 0.00	42.68 -1.04 -0.30	35.49 -0.89 0.00	37.20 -0.91 0.00	39.10 -0.89 0.00	47.12 -1.00 0.00	46.34 -0.91 0.00	50.73 -0.89 0.00	48.92 -0.87 0.00	48.99 -0.97 0.00	46.24 -0.86 0.00	52.66 -0.77 0.00	48.20 -0.69 0.00	46.63 -0.44 0.00	98.21 -1.07 -3.95	54.00 -0.72 0.00	68.99 -1.19 -2.75	58.36 -1.05 -2.09	46.61 -0.85 0.00



OUTOKUMPU-AB___DRP 24206	50.78 -0.34 0.00	46.66 -0.31 0.00	39.52 -0.26 0.00	39.50 -0.39 0.00	35.00 -0.79 0.00	39.78 -0.92 0.00	41.43 -1.98 0.00	34.36 -2.02 0.00	36.48 -1.62 0.00	38.98 -1.01 0.00	47.48 -0.64 0.00	47.32 0.06 0.00	52.52 0.90 0.00	49.97 0.18 0.00	49.46 -0.49 0.00	46.19 -0.90 0.00	53.39 -0.05 0.00	48.40 -0.49 0.00	47.34 0.26 0.00	95.97 0.64 0.00	54.32 -0.40 0.00	66.06 -1.38 0.00	57.21 -0.11 0.00	47.75 0.29 0.00
OXBOW___BTM 323836	50.12 -1.00 0.00	46.09 -0.88 0.00	39.09 -0.70 0.00	39.08 -0.82 0.00	34.61 -1.17 0.00	39.32 -1.38 0.00	40.94 -2.47 0.00	33.96 -2.42 0.00	36.08 -2.03 0.00	38.58 -1.41 0.00	47.03 -1.10 0.00	46.85 -0.41 0.00	52.04 0.42 0.00	49.47 -0.33 0.00	49.01 -0.94 0.00	45.68 -1.41 0.00	52.65 -0.79 0.00	47.71 -1.18 0.00	46.65 -0.42 0.00	94.52 -0.82 0.00	53.55 -1.17 0.00	65.15 -2.29 0.00	56.54 -0.78 0.00	47.29 -0.17 0.00
OXBOW___ 24026	50.12 -1.00 0.00	46.10 -0.87 0.00	39.08 -0.70 0.00	39.08 -0.82 0.00	34.61 -1.17 0.00	39.32 -1.38 0.00	40.94 -2.47 0.00	33.95 -2.43 0.00	36.07 -2.03 0.00	38.58 -1.41 0.00	47.02 -1.11 0.00	46.88 -0.38 0.00	52.02 0.40 0.00	49.47 -0.32 0.00	49.02 -0.94 0.00	45.68 -1.41 0.00	52.65 -0.78 0.00	47.72 -1.17 0.00	46.65 -0.42 0.00	94.51 -0.83 0.00	53.54 -1.18 0.00	65.14 -2.29 0.00	56.53 -0.79 0.00	47.29 -0.16 0.00
OXY_CHEM_DSASP 323612	49.44 -1.69 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.25 -1.54 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.82 0.00	35.66 -2.44 0.00	38.16 -1.84 0.00	46.51 -1.62 0.00	46.37 -0.89 0.00	51.44 -0.18 0.00	48.86 -0.94 0.00	48.46 -1.50 0.00	45.07 -2.03 0.00	52.12 -1.31 0.00	47.23 -1.66 0.00	46.17 -0.90 0.00	93.54 -1.79 0.00	52.98 -1.74 0.00	64.25 -3.18 0.00	55.78 -1.54 0.00	46.79 -0.67 0.00
OZONE_PARK_ESR 323760	54.75 3.62 0.00	50.79 3.83 0.00	43.19 3.41 0.00	43.17 3.27 0.00	38.79 3.00 0.00	44.05 3.35 0.00	46.81 3.40 0.00	39.32 2.94 0.00	41.15 3.05 0.00	43.32 3.32 0.00	52.20 4.08 0.00	51.33 4.07 0.00	56.00 4.38 0.00	54.13 4.34 0.00	53.97 4.01 0.00	51.39 4.30 0.00	58.40 4.96 0.00	53.62 4.73 0.00	51.46 4.39 0.00	102.42 7.08 0.00	58.62 3.89 0.00	71.72 4.28 0.00	60.67 3.35 0.00	50.59 3.13 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	49.44 -1.69 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.25 -1.54 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.82 0.00	35.66 -2.44 0.00	38.16 -1.84 0.00	46.51 -1.62 0.00	46.37 -0.89 0.00	51.44 -0.18 0.00	48.86 -0.94 0.00	48.46 -1.50 0.00	45.07 -2.03 0.00	52.12 -1.31 0.00	47.23 -1.66 0.00	46.17 -0.90 0.00	93.54 -1.79 0.00	52.98 -1.74 0.00	64.25 -3.18 0.00	55.78 -1.54 0.00	46.79 -0.67 0.00
PACKARD___115KV_DUPONT_184 80571	49.44 -1.69 0.00	45.55 -1.41 0.00	38.66 -1.12 0.00	38.67 -1.22 0.00	34.25 -1.54 0.00	38.90 -1.80 0.00	40.46 -2.95 0.00	33.56 -2.82 0.00	35.66 -2.44 0.00	38.16 -1.84 0.00	46.51 -1.62 0.00	46.37 -0.89 0.00	51.44 -0.18 0.00	48.86 -0.94 0.00	48.46 -1.50 0.00	45.07 -2.03 0.00	52.12 -1.31 0.00	47.23 -1.66 0.00	46.17 -0.90 0.00	93.54 -1.79 0.00	52.98 -1.74 0.00	64.25 -3.18 0.00	55.78 -1.54 0.00	46.79 -0.67 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	54.05 2.92 0.00	50.22 3.26 0.00	42.67 2.89 0.00	42.69 2.79 0.00	38.37 2.58 0.00	43.57 2.87 0.00	46.28 2.87 0.00	38.89 2.51 0.00	40.72 2.61 0.00	42.79 2.80 0.00	51.52 3.40 0.00	50.62 3.36 0.00	55.25 3.63 0.00	53.48 3.69 0.00	53.34 3.38 0.00	50.80 3.71 0.00	57.67 4.24 0.00	52.92 4.03 0.00	50.73 3.66 0.00	101.06 5.72 0.00	57.88 3.16 0.00	70.85 3.42 0.00	59.95 2.63 0.00	50.19 2.73 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	55.73 4.60 0.00	51.77 4.80 0.00	44.01 4.22 0.00	44.02 4.13 0.00	39.55 3.76 0.00	44.95 4.25 0.00	47.87 4.46 0.00	40.04 3.66 0.00	41.97 3.86 0.00	44.05 4.06 0.00	53.07 4.95 0.00	52.11 4.85 0.00	56.93 5.31 0.00	55.13 5.34 0.00	55.03 5.07 0.00	52.43 5.34 0.00	59.50 6.06 0.00	54.56 5.67 0.00	52.36 5.28 0.00	104.30 8.97 0.00	59.76 5.04 0.00	73.16 5.73 0.00	61.92 4.60 0.00	51.89 4.43 0.00
PATROON___115KV_TB1 80586	52.02 0.90 0.00	48.14 1.17 0.00	40.98 1.20 0.00	40.95 1.06 0.00	36.93 1.15 0.00	41.83 1.13 0.00	44.49 1.08 0.00	37.30 0.92 0.00	38.96 0.85 0.00	40.66 0.66 0.00	48.77 0.64 0.00	47.95 0.70 0.00	52.22 0.60 0.00	50.54 0.75 0.00	50.71 0.75 0.00	48.17 1.07 0.00	54.45 1.01 0.00	50.11 1.23 0.00	48.28 1.21 0.00	96.76 1.42 0.00	55.77 1.05 0.00	68.51 1.08 0.00	57.92 0.60 0.00	47.90 0.43 0.00
PATTRSNVILLE___SOLAR 323815	53.17 2.05 0.00	49.01 2.05 0.00	41.60 1.82 0.00	41.63 1.74 0.00	37.36 1.57 0.00	42.47 1.77 0.00	45.08 1.67 0.00	37.49 1.11 0.00	38.97 0.86 0.00	40.70 0.71 0.00	48.84 0.71 0.00	47.97 0.71 0.00	52.35 0.73 0.00	50.58 0.79 0.00	50.72 0.76 0.00	47.99 0.90 0.00	54.50 1.06 0.00	50.23 1.34 0.00	48.74 1.67 0.00	98.87 3.54 0.00	57.09 2.37 0.00	70.15 2.72 0.00	59.43 2.11 0.00	49.16 1.70 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	50.75 -0.37 0.00	46.59 -0.37 0.00	39.43 -0.36 0.00	39.44 -0.45 0.00	34.98 -0.81 0.00	39.80 -0.90 0.00	41.59 -1.82 0.00	34.63 -1.75 0.00	36.70 -1.40 0.00	39.12 -0.88 0.00	47.64 -0.48 0.00	47.31 0.05 0.00	52.50 0.88 0.00	50.04 0.25 0.00	49.64 -0.32 0.00	46.61 -0.49 0.00	53.98 0.55 0.00	48.94 0.05 0.00	47.91 0.83 0.00	97.15 1.81 0.00	54.91 0.19 0.00	66.63 -0.81 0.00	57.28 -0.04 0.00	47.71 0.25 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	54.30 3.17 0.00	50.31 3.34 0.00	42.77 2.99 0.00	42.75 2.85 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.38 2.97 0.00	38.94 2.55 0.00	40.75 2.65 0.00	42.85 2.86 0.00	51.63 3.50 0.00	50.79 3.53 0.00	55.43 3.80 0.00	53.59 3.79 0.00	53.52 3.57 0.00	50.96 3.87 0.00	57.90 4.47 0.00	53.25 4.37 0.00	51.27 4.20 0.00	102.19 6.85 0.00	58.45 3.73 0.00	71.50 4.07 0.00	60.42 3.10 0.00	50.16 2.70 0.00
PEEKSKILL___ 23653	53.71 2.59 0.00	49.83 2.87 0.00	42.38 2.60 0.00	42.38 2.48 0.00	38.10 2.31 0.00	43.26 2.56 0.00	45.95 2.53 0.00	38.53 2.14 0.00	40.28 2.18 0.00	42.35 2.36 0.00	51.03 2.91 0.00	50.17 2.92 0.00	54.76 3.14 0.00	52.92 3.13 0.00	52.80 2.84 0.00	50.23 3.14 0.00	57.04 3.61 0.00	52.43 3.54 0.00	50.41 3.33 0.00	100.47 5.13 0.00	57.54 2.82 0.00	70.41 2.98 0.00	59.56 2.24 0.00	49.56 2.10 0.00
PGE MADISON___WINDPWR 24146	55.01 3.88 0.00	50.51 3.54 0.00	42.65 2.86 0.00	42.45 2.56 0.00	37.85 2.06 0.00	43.62 2.92 0.00	46.57 3.16 0.00	39.03 2.65 0.00	40.42 2.31 0.00	42.25 2.25 0.00	51.10 2.97 0.00	50.00 2.74 0.00	55.05 3.43 0.00	53.03 3.23 0.00	53.02 3.06 0.00	50.16 3.07 0.00	57.79 4.35 0.00	53.07 4.18 0.00	52.17 5.10 0.00	106.16 10.82 0.00	60.66 5.94 0.00	74.04 6.61 0.00	62.62 5.30 0.00	51.40 3.94 0.00



PIERCEFIELD___HYD 23852	51.61 0.49 0.00	46.97 0.00 0.00	39.60 -0.18 0.00	39.82 -0.07 0.00	35.74 -0.05 0.00	40.66 -0.03 0.00	43.80 0.39 0.00	36.73 0.34 0.00	38.51 0.41 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.45 0.19 0.00	51.65 0.03 0.00	49.76 -0.03 0.00	49.85 -0.11 0.00	46.42 -0.67 0.00	52.36 -1.08 0.00	47.45 -1.44 0.00	45.59 -1.48 0.00	93.84 -1.50 0.00	54.13 -0.59 0.00	67.36 -0.07 0.00	57.70 0.38 0.00	47.97 0.50 0.00
PINELAWN_CC_1 323563	53.73 2.60 0.00	50.43 3.46 0.00	42.78 2.99 0.00	42.69 2.80 0.00	38.30 2.52 0.00	43.68 2.98 0.00	46.15 2.74 0.00	38.64 2.26 0.00	38.46 2.03 1.68	40.26 2.04 1.77	48.52 2.43 2.03	47.80 2.33 1.78	44.98 2.42 9.06	47.57 2.48 4.71	48.31 2.37 4.02	47.64 2.74 2.19	47.13 3.00 9.30	31.94 3.10 20.05	46.61 2.81 3.27	51.41 3.91 47.84	31.69 2.11 25.14	30.86 2.15 38.73	26.66 1.51 32.17	25.71 1.52 23.27
PJM_GEN_HTTP_PROXY 323702	54.10 2.98 0.00	50.21 3.24 0.00	42.71 2.92 0.00	42.70 2.80 0.00	38.38 2.59 0.00	43.57 2.87 0.00	48.09 2.89 -1.80	38.89 2.51 0.00	40.69 2.59 0.00	42.83 2.83 0.00	51.60 3.47 0.00	50.74 3.48 0.00	55.33 3.71 0.00	53.56 3.69 -0.07	53.33 3.37 0.00	49.97 3.69 0.81	57.45 4.22 0.21	52.95 4.06 0.00	50.84 3.76 0.00	101.12 5.79 0.00	57.89 3.17 0.00	70.80 3.37 0.00	60.12 2.59 -0.21	48.46 2.49 1.49
PJM_GEN_KEystone 24065	51.83 0.71 0.00	47.97 1.00 0.00	40.71 0.93 0.00	40.79 0.90 0.00	36.48 0.69 0.00	41.45 0.75 0.00	45.58 0.37 -1.80	36.59 0.20 0.00	38.43 0.33 0.00	40.54 0.55 0.00	49.03 0.90 0.00	48.31 1.06 0.00	52.97 1.48 0.13	51.11 1.25 -0.07	50.74 0.78 0.00	47.21 0.93 0.81	54.82 1.60 0.21	50.24 1.35 0.00	48.75 1.68 0.00	97.90 2.56 0.00	55.73 1.01 0.00	68.04 0.61 0.00	58.10 0.57 -0.21	46.73 0.76 1.49
PJM_GEN_NEPTUNE_PROXY 323594	53.33 2.21 0.00	49.93 2.97 0.00	42.36 2.58 0.00	42.31 2.41 0.00	37.98 2.19 0.00	43.27 2.57 0.00	47.54 2.33 -1.80	38.31 1.92 0.00	37.81 1.74 2.04	39.80 1.96 2.15	48.11 2.45 2.47	47.56 2.47 2.16	43.15 2.63 11.10	46.72 2.66 5.74	47.48 2.47 4.95	46.48 2.86 3.47	44.98 3.18 11.63	27.33 3.19 24.75	45.87 2.88 4.09	40.73 4.08 58.69	25.96 2.19 30.95	22.12 2.22 47.53	19.53 1.66 39.45	18.94 1.65 30.17
PJM_GEN_VFT_PROXY 323633	53.81 2.68 0.00	49.98 3.01 0.00	42.52 2.74 0.00	42.52 2.62 0.00	38.21 2.42 0.00	43.38 2.68 0.00	47.87 2.67 -1.80	38.72 2.33 0.00	40.51 2.41 0.00	42.63 2.64 0.00	51.35 3.22 0.00	50.48 3.22 0.00	53.24 3.43 1.82	53.28 3.42 -0.07	53.02 3.07 0.00	49.70 3.42 0.81	57.11 3.89 0.21	52.69 3.89 0.00	50.57 3.80 0.00	100.49 5.15 0.00	57.58 2.86 0.00	70.39 2.96 0.00	59.76 2.23 -0.21	48.25 2.27 1.49
PLATSBURG_115KV_PMLD1 355749	51.11 -0.01 0.00	46.23 -0.74 0.00	38.94 -0.84 0.00	39.13 -0.77 0.00	35.13 -0.66 0.00	40.11 -0.59 0.00	43.27 -0.14 0.00	36.37 -0.01 0.00	37.90 -0.20 0.00	39.76 -0.23 0.00	48.13 0.01 0.00	46.93 -0.33 0.00	50.92 -0.70 0.00	48.72 -1.08 0.00	48.70 -1.26 0.00	45.50 -1.59 0.00	51.53 -1.90 0.00	47.19 -1.70 0.00	45.09 -1.99 0.00	92.64 -2.70 0.00	53.33 -1.40 0.00	66.06 -1.38 0.00	56.03 -1.29 0.00	46.54 -0.92 0.00
PLEASANTVLY___LBMP 24000	53.35 2.23 0.00	49.47 2.51 0.00	42.09 2.31 0.00	42.07 2.18 0.00	37.82 2.03 0.00	42.96 2.26 0.00	45.63 2.21 0.00	38.28 1.89 0.00	40.02 1.91 0.00	42.02 2.02 0.00	50.54 2.42 0.00	49.69 2.43 0.00	54.15 2.53 0.00	52.35 2.55 0.00	52.30 2.35 0.00	49.77 2.68 0.00	56.44 3.00 0.00	51.87 2.98 0.00	49.91 2.83 0.00	99.50 4.16 0.00	57.05 2.33 0.00	69.92 2.49 0.00	59.16 1.85 0.00	49.19 1.72 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	53.91 2.79 0.00	50.02 3.05 0.00	42.52 2.74 0.00	42.51 2.62 0.00	38.21 2.42 0.00	43.39 2.69 0.00	46.08 2.67 0.00	38.67 2.28 0.00	40.45 2.35 0.00	42.54 2.55 0.00	51.26 3.14 0.00	50.39 3.13 0.00	54.98 3.36 0.00	53.13 3.34 0.00	53.02 3.07 0.00	50.49 3.39 0.00	57.30 3.86 0.00	52.67 3.78 0.00	50.62 3.55 0.00	100.83 5.49 0.00	57.73 3.01 0.00	70.68 3.24 0.00	59.78 2.46 0.00	49.75 2.29 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	53.91 2.79 0.00	50.02 3.05 0.00	42.52 2.74 0.00	42.51 2.62 0.00	38.21 2.42 0.00	43.39 2.69 0.00	46.08 2.67 0.00	38.67 2.28 0.00	40.45 2.35 0.00	42.54 2.55 0.00	51.26 3.14 0.00	50.39 3.13 0.00	54.98 3.36 0.00	53.13 3.34 0.00	53.02 3.07 0.00	50.49 3.39 0.00	57.30 3.86 0.00	52.67 3.78 0.00	50.62 3.55 0.00	100.83 5.49 0.00	57.73 3.01 0.00	70.68 3.24 0.00	59.78 2.46 0.00	49.75 2.29 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	53.91 2.79 0.00	49.93 2.97 0.00	42.47 2.69 0.00	42.44 2.55 0.00	38.14 2.36 0.00	43.32 2.62 0.00	46.03 2.62 0.00	38.65 2.26 0.00	40.49 2.39 0.00	42.54 2.55 0.00	51.18 3.05 0.00	50.34 3.08 0.00	54.88 3.26 0.00	53.04 3.25 0.00	53.09 3.13 0.00	50.52 3.43 0.00	57.35 3.91 0.00	52.78 3.90 0.00	50.87 3.79 0.00	101.47 6.14 0.00	57.96 3.23 0.00	71.06 3.62 0.00	60.15 2.83 0.00	49.92 2.46 0.00
POLETTI____ 23519	54.02 2.89 0.00	50.14 3.18 0.00	42.66 2.88 0.00	42.64 2.74 0.00	38.34 2.55 0.00	43.52 2.82 0.00	46.24 2.83 0.00	38.86 2.47 0.00	40.66 2.56 0.00	42.79 2.80 0.00	51.56 3.43 0.00	50.67 3.42 0.00	55.28 3.66 0.00	53.45 3.65 0.00	53.27 3.31 0.00	50.73 3.64 0.00	57.60 4.17 0.00	52.91 4.02 0.00	50.79 3.71 0.00	100.99 5.66 0.00	57.81 3.09 0.00	70.72 3.29 0.00	59.84 2.52 0.00	49.92 2.46 0.00
POMONA___ESR 323819	53.73 2.61 0.00	49.82 2.85 0.00	42.36 2.58 0.00	42.40 2.50 0.00	38.11 2.33 0.00	43.25 2.55 0.00	45.93 2.52 0.00	38.49 2.10 0.00	40.25 2.15 0.00	42.34 2.35 0.00	51.03 2.91 0.00	50.20 2.94 0.00	54.81 3.18 0.00	52.98 3.19 0.00	52.85 2.90 0.00	50.27 3.18 0.00	57.14 3.71 0.00	52.53 3.65 0.00	50.52 3.44 0.00	100.70 5.37 0.00	57.63 2.91 0.00	70.49 3.05 0.00	59.61 2.29 0.00	49.59 2.13 0.00
PORT_JEFF_3 23555	53.05 1.92 0.00	50.01 3.05 0.00	42.45 2.66 0.00	42.33 2.43 0.00	37.95 2.16 0.00	43.35 2.65 0.00	45.72 2.31 0.00	38.27 1.88 0.00	37.84 1.63 1.89	39.83 1.84 2.00	48.25 2.41 2.29	47.71 2.47 2.01	43.91 2.56 10.27	47.07 2.63 5.35	47.96 2.58 4.57	47.57 2.95 2.47	46.00 3.13 10.57	29.03 2.97 22.84	45.98 2.63 3.72	44.74 3.52 54.13	28.12 1.96 28.56	25.58 2.11 43.96	22.20 1.51 36.63	22.37 1.41 26.50
PORT_JEFF_4 23616	53.05 1.92 0.00	50.01 3.05 0.00	42.45 2.66 0.00	42.33 2.43 0.00	37.95 2.16 0.00	43.35 2.65 0.00	45.72 2.31 0.00	38.27 1.88 0.00	37.84 1.63 1.89	39.83 1.84 2.00	48.25 2.41 2.29	47.71 2.47 2.01	43.91 2.56 10.27	47.07 2.63 5.35	47.96 2.58 4.57	47.57 2.95 2.47	46.00 3.13 10.57	29.03 2.97 22.84	45.98 2.63 3.72	44.74 3.52 54.13	28.12 1.96 28.56	25.58 2.11 43.96	22.20 1.51 36.63	22.37 1.41 26.50



PORT_JEFF_IC 23713	53.17 2.05 0.00	50.08 3.11 0.00	42.53 2.75 0.00	42.40 2.50 0.00	38.01 2.22 0.00	43.42 2.72 0.00	45.81 2.40 0.00	38.34 1.96 0.00	37.92 1.71 1.89	39.93 1.92 1.99	48.37 2.53 2.29	47.83 2.57 2.00	44.10 2.71 10.23	47.24 2.77 5.33	48.16 2.76 4.56	47.73 3.10 2.46	46.23 3.32 10.52	29.21 3.07 22.74	46.05 2.68 3.71	45.01 3.59 53.92	28.29 2.02 28.44	26.04 2.39 43.78	22.58 1.74 36.48	22.62 1.55 26.39
PPL PILGRIM_ST_GT1 24216	53.65 2.52 0.00	50.49 3.52 0.00	42.85 3.06 0.00	42.75 2.85 0.00	38.33 2.54 0.00	43.76 3.06 0.00	46.18 2.77 0.00	38.63 2.25 0.00	38.24 1.99 1.86	40.26 2.23 1.96	48.65 2.78 2.25	48.07 2.78 1.97	44.47 2.92 10.07	47.56 3.01 5.24	48.38 2.90 4.48	47.75 3.09 2.42	46.47 3.39 10.36	29.97 3.45 22.37	46.60 3.16 3.64	46.83 4.55 53.06	29.27 2.54 27.99	27.16 2.82 43.09	23.51 2.09 35.89	23.36 1.87 25.96
PPL PILGRIM_ST_GT2 24217	53.65 2.52 0.00	50.49 3.52 0.00	42.85 3.06 0.00	42.75 2.85 0.00	38.33 2.54 0.00	43.76 3.06 0.00	46.18 2.77 0.00	38.63 2.25 0.00	38.24 1.99 1.86	40.26 2.23 1.96	48.65 2.78 2.25	48.07 2.78 1.97	44.47 2.92 10.07	47.56 3.01 5.24	48.38 2.90 4.48	47.75 3.09 2.42	46.47 3.39 10.36	29.97 3.45 22.37	46.60 3.16 3.64	46.83 4.55 53.06	29.27 2.54 27.99	27.16 2.82 43.09	23.51 2.09 35.89	23.36 1.87 25.96
PPL_SHRM_GT3 24213	52.74 1.62 0.00	49.59 2.63 0.00	42.08 2.30 0.00	41.91 2.01 0.00	37.59 1.80 0.00	43.03 2.33 0.00	45.43 2.02 0.00	38.08 1.69 0.00	37.68 1.47 1.89	39.70 1.70 1.99	48.04 2.20 2.29	47.49 2.24 2.01	43.60 2.23 10.25	46.71 2.26 5.34	47.66 2.27 4.57	47.32 2.70 2.47	45.81 2.91 10.55	29.39 3.29 22.79	46.40 3.04 3.71	45.81 4.50 54.03	28.70 2.48 28.51	26.06 2.51 43.88	22.62 1.86 36.56	22.53 1.51 26.45
PPL_SHRM_GT4 24214	52.74 1.62 0.00	49.59 2.63 0.00	42.08 2.30 0.00	41.91 2.01 0.00	37.59 1.80 0.00	43.03 2.33 0.00	45.43 2.02 0.00	38.08 1.69 0.00	37.68 1.47 1.89	39.70 1.70 1.99	48.04 2.20 2.29	47.49 2.24 2.01	43.60 2.23 10.25	46.71 2.26 5.34	47.66 2.27 4.57	47.32 2.70 2.47	45.81 2.91 10.55	29.39 3.29 22.79	46.40 3.04 3.71	45.81 4.50 54.03	28.70 2.48 28.51	26.06 2.51 43.88	22.62 1.86 36.56	22.53 1.51 26.45
PROJECT___ORANGE 1 24174	50.97 -0.21 -0.05	46.97 -0.06 -0.07	39.79 0.01 0.00	39.81 -0.08 0.00	35.65 -0.13 0.00	40.53 -0.16 0.00	42.98 -0.44 -0.01	35.99 -0.39 0.00	37.72 -0.38 0.00	39.68 -0.31 0.00	47.88 -0.25 0.00	47.14 -0.12 0.00	51.66 0.04 0.00	49.83 0.04 0.00	49.88 -0.08 0.00	47.10 0.01 0.00	53.78 0.34 0.00	49.22 0.33 0.00	47.70 0.63 0.00	96.45 0.96 -0.16	55.09 0.37 0.00	67.57 0.03 -0.11	57.31 -0.09 -0.08	47.36 -0.10 0.00
PROJECT___ORANGE 2 24166	50.97 -0.21 -0.05	46.97 -0.06 -0.07	39.79 0.01 0.00	39.81 -0.08 0.00	35.65 -0.13 0.00	40.53 -0.16 0.00	42.98 -0.44 -0.01	35.99 -0.39 0.00	37.72 -0.38 0.00	39.68 -0.31 0.00	47.88 -0.25 0.00	47.14 -0.12 0.00	51.66 0.04 0.00	49.83 0.04 0.00	49.88 -0.08 0.00	47.10 0.01 0.00	53.78 0.34 0.00	49.22 0.33 0.00	47.70 0.63 0.00	96.45 0.96 -0.16	55.09 0.37 0.00	67.57 0.03 -0.11	57.31 -0.09 -0.08	47.36 -0.10 0.00
PUCKETT___SOLAR 323809	52.42 1.29 0.00	48.35 1.38 0.00	40.97 1.19 0.00	40.89 1.00 0.00	36.50 0.71 0.00	41.67 0.96 0.00	44.21 0.80 0.00	36.97 0.58 0.00	38.54 0.44 0.00	40.34 0.35 0.00	48.62 0.49 0.00	47.73 0.48 0.00	52.47 0.85 0.00	50.55 0.76 0.00	50.44 0.48 0.00	47.71 0.62 0.00	54.80 1.36 0.00	50.12 1.23 0.00	49.09 2.02 0.00	99.39 4.05 0.00	56.76 2.04 0.00	69.39 1.96 0.00	58.92 1.60 0.00	48.75 1.29 0.00
PYRITES___HYD 24023	52.63 1.50 0.00	47.85 0.89 0.00	40.29 0.51 0.00	40.58 0.68 0.00	36.40 0.61 0.00	41.43 0.73 0.00	44.60 1.19 0.00	37.14 0.76 0.00	38.70 0.60 0.00	40.59 0.60 0.00	48.77 0.65 0.00	47.56 0.30 0.00	51.78 0.16 0.00	49.86 0.07 0.00	49.93 -0.02 0.00	46.48 -0.61 0.00	52.52 -0.92 0.00	47.65 -1.24 0.00	45.90 -1.17 0.00	95.31 -0.02 0.00	55.41 0.69 0.00	68.98 1.55 0.00	58.98 1.66 0.00	48.92 1.46 0.00
QUAKERRD_115KV_BK1 80622	50.17 -0.96 0.00	46.16 -0.81 0.00	39.10 -0.68 0.00	39.12 -0.77 0.00	34.87 -0.91 0.00	39.65 -1.05 0.00	41.77 -1.64 0.00	34.89 -1.50 0.00	36.79 -1.31 0.00	39.01 -0.98 0.00	47.29 -0.84 0.00	46.83 -0.43 0.00	51.61 0.00 0.00	49.56 -0.23 0.00	49.46 -0.50 0.00	46.56 -0.53 0.00	53.51 0.07 0.00	48.83 -0.06 0.00	47.51 0.44 0.00	96.16 0.82 0.00	54.73 0.01 0.00	66.60 -0.83 0.00	56.83 -0.49 0.00	47.10 -0.36 0.00
QUENSBRY_115KV_TB8 356137	54.28 3.15 0.00	50.27 3.30 0.00	42.60 2.82 0.00	42.53 2.64 0.00	38.23 2.44 0.00	43.55 2.85 0.00	46.42 3.01 0.00	38.66 2.28 0.00	40.23 2.13 0.00	41.86 1.87 0.00	49.81 1.68 0.00	48.94 1.68 0.00	53.13 1.52 0.00	51.48 1.69 0.00	51.96 2.00 0.00	49.51 2.42 0.00	56.25 2.81 0.00	51.81 2.92 0.00	50.81 3.73 0.00	102.26 6.92 0.00	58.98 4.26 0.00	72.36 4.93 0.00	60.82 3.49 0.00	49.91 2.45 0.00
RAMAPO___LBMP 323565	53.50 2.38 0.00	49.60 2.64 0.00	42.19 2.41 0.00	42.23 2.33 0.00	37.95 2.16 0.00	43.07 2.37 0.00	45.73 2.32 0.00	38.32 1.94 0.00	40.07 1.96 0.00	42.13 2.14 0.00	50.78 2.66 0.00	49.91 2.65 0.00	54.51 2.89 0.00	52.66 2.87 0.00	52.52 2.56 0.00	49.94 2.85 0.00	56.76 3.32 0.00	52.16 3.27 0.00	50.20 3.12 0.00	100.10 4.76 0.00	57.30 2.58 0.00	70.12 2.68 0.00	59.32 2.00 0.00	49.36 1.90 0.00
RANKINE____ 23646	50.95 -0.18 0.00	46.82 -0.14 0.00	39.64 -0.14 0.00	39.65 -0.25 0.00	35.13 -0.65 0.00	39.96 -0.74 0.00	41.67 -1.74 0.00	34.64 -1.75 0.00	36.71 -1.39 0.00	39.17 -0.82 0.00	47.72 -0.41 0.00	47.43 0.18 0.00	52.63 1.02 0.00	50.12 0.33 0.00	49.70 -0.26 0.00	46.63 -0.47 0.00	54.01 0.58 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.93 0.00	54.99 0.27 0.00	66.74 -0.70 0.00	57.45 0.13 0.00	47.88 0.42 0.00
RAVENSWOOD_GT2_1 24244	54.12 2.99 0.00	50.24 3.28 0.00	42.74 2.95 0.00	42.72 2.82 0.00	38.39 2.61 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.85 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.78 0.00	101.19 5.85 0.00	57.92 3.20 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00
RAVENSWOOD_GT2_2 24245	54.12 2.99 0.00	50.24 3.28 0.00	42.74 2.95 0.00	42.72 2.82 0.00	38.39 2.61 0.00	43.60 2.90 0.00	46.32 2.91 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.85 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.78 0.00	101.19 5.85 0.00	57.92 3.20 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00



RAVENSWOOD_GT2_3 24246	54.16 3.03 0.00	50.27 3.30 0.00	42.75 2.97 0.00	42.74 2.85 0.00	38.42 2.63 0.00	43.63 2.93 0.00	46.34 2.94 0.00	38.93 2.55 0.00	40.74 2.64 0.00	42.88 2.88 0.00	51.66 3.53 0.00	50.78 3.52 0.00	55.40 3.78 0.00	53.56 3.77 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.72 4.28 0.00	53.02 4.13 0.00	50.89 3.81 0.00	101.25 5.91 0.00	57.96 3.24 0.00	70.91 3.48 0.00	60.00 2.67 0.00	50.04 2.58 0.00
RAVENSWOOD_GT2_4 24247	54.16 3.03 0.00	50.27 3.30 0.00	42.75 2.97 0.00	42.74 2.85 0.00	38.42 2.63 0.00	43.63 2.93 0.00	46.34 2.94 0.00	38.93 2.55 0.00	40.74 2.64 0.00	42.88 2.88 0.00	51.66 3.53 0.00	50.78 3.52 0.00	55.40 3.78 0.00	53.56 3.77 0.00	53.39 3.44 0.00	50.84 3.75 0.00	57.72 4.28 0.00	53.02 4.13 0.00	50.89 3.81 0.00	101.25 5.91 0.00	57.96 3.24 0.00	70.91 3.48 0.00	60.00 2.67 0.00	50.04 2.58 0.00
RAVENSWOOD_GT3_1 24248	54.12 2.99 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.62 0.00	43.61 2.91 0.00	46.32 2.91 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.37 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.20 5.86 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.97 2.65 0.00	50.00 2.54 0.00
RAVENSWOOD_GT3_2 24249	54.12 2.99 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.62 0.00	43.61 2.91 0.00	46.32 2.91 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.37 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.20 5.86 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.97 2.65 0.00	50.00 2.54 0.00
RAVENSWOOD_GT3_3 24250	54.23 3.10 0.00	50.34 3.37 0.00	42.82 3.04 0.00	42.80 2.91 0.00	38.47 2.68 0.00	43.69 2.99 0.00	46.42 3.00 0.00	38.99 2.60 0.00	40.80 2.70 0.00	42.95 2.95 0.00	51.74 3.61 0.00	50.86 3.61 0.00	55.49 3.87 0.00	53.64 3.85 0.00	53.48 3.52 0.00	50.92 3.83 0.00	57.82 4.38 0.00	53.11 4.22 0.00	50.98 3.91 0.00	101.44 6.10 0.00	58.06 3.34 0.00	71.01 3.58 0.00	60.09 2.77 0.00	50.11 2.64 0.00
RAVENSWOOD_GT3_4 24251	54.23 3.10 0.00	50.34 3.37 0.00	42.82 3.04 0.00	42.80 2.91 0.00	38.47 2.68 0.00	43.69 2.99 0.00	46.42 3.00 0.00	38.99 2.60 0.00	40.80 2.70 0.00	42.95 2.95 0.00	51.74 3.61 0.00	50.86 3.61 0.00	55.49 3.87 0.00	53.64 3.85 0.00	53.48 3.52 0.00	50.92 3.83 0.00	57.82 4.38 0.00	53.11 4.22 0.00	50.98 3.91 0.00	101.44 6.10 0.00	58.06 3.34 0.00	71.01 3.58 0.00	60.09 2.77 0.00	50.11 2.64 0.00
RAVENSWOOD_GT_1 23729	54.12 3.00 0.00	50.28 3.32 0.00	42.73 2.95 0.00	42.74 2.85 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.38 2.96 0.00	38.97 2.58 0.00	40.80 2.70 0.00	42.93 2.94 0.00	51.75 3.62 0.00	50.83 3.58 0.00	55.48 3.86 0.00	53.66 3.86 0.00	53.48 3.52 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.03 4.14 0.00	50.83 3.76 0.00	101.09 5.75 0.00	57.86 3.14 0.00	70.80 3.37 0.00	59.90 2.58 0.00	50.15 2.68 0.00
RAVENSWOOD_GT_10 24258	54.12 3.00 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.61 0.00	43.60 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00
RAVENSWOOD_GT_11 24259	54.12 3.00 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.61 0.00	43.60 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00
RAVENSWOOD_GT_4 24252	54.15 3.03 0.00	50.25 3.29 0.00	42.74 2.96 0.00	42.72 2.83 0.00	38.40 2.61 0.00	43.61 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.02 2.55 0.00
RAVENSWOOD_GT_5 24254	54.15 3.03 0.00	50.25 3.29 0.00	42.74 2.96 0.00	42.72 2.83 0.00	38.40 2.61 0.00	43.61 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.02 2.55 0.00
RAVENSWOOD_GT_6 24253	54.15 3.03 0.00	50.25 3.29 0.00	42.74 2.96 0.00	42.72 2.83 0.00	38.40 2.61 0.00	43.61 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.02 2.55 0.00
RAVENSWOOD_GT_7 24255	54.15 3.03 0.00	50.25 3.29 0.00	42.74 2.96 0.00	42.72 2.83 0.00	38.40 2.61 0.00	43.61 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.02 2.55 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	54.12 3.00 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.61 0.00	43.60 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00
RAVENSWOOD_GT_9 24257	54.12 3.00 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.61 0.00	43.60 2.91 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.63 3.50 0.00	50.75 3.49 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.80 3.71 0.00	57.68 4.24 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.19 5.85 0.00	57.93 3.21 0.00	70.87 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00



RAVENSWOOD___1 23533	54.09 2.96 0.00	50.25 3.28 0.00	42.70 2.91 0.00	42.70 2.81 0.00	38.39 2.60 0.00	43.60 2.90 0.00	46.35 2.94 0.00	38.95 2.56 0.00	40.77 2.67 0.00	42.90 2.91 0.00	51.70 3.57 0.00	50.82 3.56 0.00	55.43 3.81 0.00	53.63 3.83 0.00	53.46 3.50 0.00	50.91 3.81 0.00	57.78 4.35 0.00	53.00 4.11 0.00	50.79 3.71 0.00	101.02 5.68 0.00	57.82 3.10 0.00	70.76 3.32 0.00	59.88 2.55 0.00	50.11 2.65 0.00
RAVENSWOOD___2 23534	54.06 2.93 0.00	50.21 3.25 0.00	42.66 2.88 0.00	42.67 2.78 0.00	38.36 2.57 0.00	43.57 2.87 0.00	46.31 2.90 0.00	38.92 2.54 0.00	40.75 2.65 0.00	42.87 2.87 0.00	51.66 3.54 0.00	50.78 3.52 0.00	55.39 3.77 0.00	53.59 3.80 0.00	53.44 3.48 0.00	50.89 3.79 0.00	57.76 4.33 0.00	52.96 4.08 0.00	50.70 3.62 0.00	100.81 5.47 0.00	57.70 2.98 0.00	70.61 3.18 0.00	59.76 2.44 0.00	50.00 2.54 0.00
RAVENSWOOD___3 23535	54.12 2.99 0.00	50.24 3.28 0.00	42.74 2.96 0.00	42.73 2.83 0.00	38.40 2.62 0.00	43.60 2.90 0.00	46.33 2.92 0.00	38.91 2.53 0.00	40.72 2.62 0.00	42.86 2.86 0.00	51.61 3.49 0.00	50.76 3.50 0.00	55.36 3.74 0.00	53.52 3.72 0.00	53.36 3.40 0.00	50.81 3.72 0.00	57.69 4.25 0.00	52.98 4.09 0.00	50.86 3.79 0.00	101.20 5.87 0.00	57.93 3.21 0.00	70.86 3.43 0.00	59.96 2.64 0.00	50.01 2.55 0.00
RAVENSWOOD___4 23820	54.06 2.93 0.00	50.21 3.25 0.00	42.66 2.88 0.00	42.67 2.78 0.00	38.36 2.57 0.00	43.57 2.87 0.00	46.31 2.90 0.00	38.92 2.54 0.00	40.75 2.65 0.00	42.87 2.87 0.00	51.66 3.54 0.00	50.78 3.52 0.00	55.39 3.77 0.00	53.59 3.80 0.00	53.44 3.48 0.00	50.89 3.79 0.00	57.76 4.33 0.00	52.97 4.08 0.00	50.76 3.68 0.00	100.97 5.63 0.00	57.79 3.07 0.00	70.73 3.30 0.00	59.85 2.53 0.00	50.09 2.63 0.00
RCPL_TRUST___DRP 24196	54.16 3.04 0.00	50.27 3.31 0.00	42.76 2.98 0.00	42.75 2.85 0.00	38.42 2.63 0.00	43.64 2.94 0.00	46.36 2.95 0.00	38.95 2.57 0.00	40.77 2.67 0.00	42.92 2.92 0.00	51.70 3.58 0.00	50.83 3.57 0.00	55.46 3.84 0.00	53.59 3.80 0.00	53.43 3.47 0.00	50.88 3.79 0.00	57.76 4.33 0.00	53.05 4.17 0.00	50.92 3.84 0.00	101.25 5.91 0.00	57.96 3.23 0.00	70.88 3.45 0.00	59.97 2.65 0.00	50.01 2.55 0.00
RED___ROCHESTER 323720	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.58 0.00	37.83 -0.27 0.00	40.20 0.21 0.00	48.81 0.68 0.00	48.39 1.13 0.00	53.48 1.86 0.00	51.32 1.52 0.00	51.17 1.21 0.00	48.19 1.10 0.00	55.52 2.08 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.99 0.00	68.90 1.46 0.00	58.83 1.51 0.00	48.73 1.27 0.00
REGAN___SOLAR 323812	54.77 3.65 0.00	50.30 3.33 0.00	42.54 2.76 0.00	42.59 2.70 0.00	38.19 2.40 0.00	43.46 2.77 0.00	45.99 2.58 0.00	37.79 1.41 0.00	38.77 0.67 0.00	40.55 0.56 0.00	48.54 0.41 0.00	47.44 0.19 0.00	51.77 0.15 0.00	50.09 0.29 0.00	50.22 0.26 0.00	47.46 0.37 0.00	54.02 0.59 0.00	50.09 1.20 0.00	49.25 2.17 0.00	101.87 6.54 0.00	59.17 4.45 0.00	72.68 5.25 0.00	61.55 4.23 0.00	50.81 3.35 0.00
RENSSELAER___COGEN 23796	51.54 0.41 0.00	47.72 0.76 0.00	40.63 0.85 0.00	40.60 0.70 0.00	36.63 0.84 0.00	41.47 0.78 0.00	44.09 0.69 0.00	36.97 0.59 0.00	38.58 0.48 0.00	40.25 0.25 0.00	48.26 0.13 0.00	47.42 0.17 0.00	51.61 -0.01 0.00	49.95 0.15 0.00	50.11 0.15 0.00	47.60 0.51 0.00	53.74 0.31 0.00	49.45 0.56 0.00	47.66 0.58 0.00	95.49 0.15 0.00	55.09 0.37 0.00	67.71 0.28 0.00	57.28 -0.04 0.00	47.39 -0.07 0.00
REPUBLIC_115KV_BARTNBK 55605	57.21 6.08 0.00	53.18 6.21 0.00	44.89 5.11 0.00	44.68 4.78 0.00	40.10 4.32 0.00	45.93 5.23 0.00	49.11 5.70 0.00	40.60 4.21 0.00	41.88 3.78 0.00	43.34 3.34 0.00	51.55 3.43 0.00	50.69 3.43 0.00	54.19 2.57 0.00	53.02 3.23 0.00	54.04 4.09 0.00	52.05 4.96 0.00	59.04 5.60 0.00	53.52 4.63 0.00	53.01 5.94 0.00	107.78 12.45 0.00	62.30 7.57 0.00	77.22 9.79 0.00	64.19 6.87 0.00	51.85 4.39 0.00
REVERE_CPPR_DRP 24186	53.04 1.91 0.00	48.78 1.82 0.00	41.31 1.53 0.00	41.33 1.43 0.00	37.04 1.25 0.00	42.16 1.46 0.00	44.81 1.40 0.00	37.50 1.11 0.00	39.14 1.04 0.00	41.06 1.07 0.00	49.37 1.24 0.00	48.49 1.23 0.00	52.96 1.34 0.00	51.33 1.53 0.00	51.49 1.53 0.00	48.68 1.59 0.00	55.35 1.92 0.00	50.80 1.91 0.00	49.38 2.31 0.00	100.42 5.08 0.00	57.61 2.88 0.00	70.75 3.32 0.00	59.80 2.48 0.00	49.16 1.70 0.00
REYNLDPA_13_KV_LD 356490	51.31 0.18 0.00	46.75 -0.21 0.00	39.47 -0.32 0.00	39.69 -0.21 0.00	35.58 -0.21 0.00	40.50 -0.19 0.00	43.60 0.19 0.00	36.63 0.24 0.00	38.43 0.33 0.00	40.43 0.44 0.00	48.67 0.55 0.00	47.59 0.33 0.00	51.92 0.30 0.00	49.96 0.16 0.00	50.02 0.07 0.00	46.71 -0.38 0.00	52.98 -0.46 0.00	48.24 -0.64 0.00	46.25 -0.83 0.00	94.63 -0.71 0.00	53.83 -0.89 0.00	67.35 -0.08 0.00	57.58 0.26 0.00	47.69 0.23 0.00
REYNOLDS_115KV_TB3 80639	52.02 0.90 0.00	48.18 1.22 0.00	41.03 1.24 0.00	40.99 1.10 0.00	36.95 1.17 0.00	41.87 1.17 0.00	44.53 1.12 0.00	37.31 0.93 0.00	38.95 0.85 0.00	40.66 0.66 0.00	48.73 0.60 0.00	47.90 0.64 0.00	52.11 0.49 0.00	50.44 0.64 0.00	50.61 0.66 0.00	48.10 1.01 0.00	54.26 0.82 0.00	49.96 1.07 0.00	48.12 1.05 0.00	96.32 0.99 0.00	55.64 0.92 0.00	68.40 0.96 0.00	57.85 0.53 0.00	47.85 0.39 0.00
RIVERBAY____ 323610	55.73 4.60 0.00	51.77 4.80 0.00	44.01 4.22 0.00	44.02 4.13 0.00	39.55 3.76 0.00	44.95 4.25 0.00	47.87 4.46 0.00	40.04 3.66 0.00	41.97 3.86 0.00	44.05 4.06 0.00	53.07 4.95 0.00	52.11 4.85 0.00	56.93 5.31 0.00	55.13 5.34 0.00	55.03 5.07 0.00	52.43 5.34 0.00	59.50 6.06 0.00	54.56 5.67 0.00	52.36 5.28 0.00	104.30 8.97 0.00	59.76 5.04 0.00	73.16 5.73 0.00	61.92 4.60 0.00	51.89 4.43 0.00
RIVERSDE_115KV_TB3 55908	51.90 0.77 0.00	48.05 1.09 0.00	40.91 1.13 0.00	40.87 0.98 0.00	36.86 1.08 0.00	41.75 1.06 0.00	44.40 0.99 0.00	37.23 0.84 0.00	38.87 0.76 0.00	40.56 0.57 0.00	48.63 0.51 0.00	47.81 0.55 0.00	52.05 0.43 0.00	50.37 0.57 0.00	50.53 0.57 0.00	48.02 0.93 0.00	54.21 0.77 0.00	49.91 1.02 0.00	48.07 1.00 0.00	96.29 0.95 0.00	55.56 0.84 0.00	68.28 0.85 0.00	57.74 0.42 0.00	47.75 0.29 0.00
ROARING___BROOK_WT_PWR 323790	50.70 -0.43 0.00	46.60 -0.37 0.00	39.42 -0.36 0.00	39.48 -0.41 0.00	35.35 -0.44 0.00	40.16 -0.54 0.00	42.90 -0.51 0.00	36.16 -0.23 0.00	37.92 -0.19 0.00	39.86 -0.13 0.00	47.98 -0.15 0.00	47.01 -0.25 0.00	51.34 -0.28 0.00	49.56 -0.23 0.00	49.72 -0.23 0.00	46.76 -0.33 0.00	52.93 -0.50 0.00	48.40 -0.48 0.00	46.54 -0.53 0.00	94.31 -1.03 0.00	53.94 -0.78 0.00	66.55 -0.88 0.00	56.51 -0.81 0.00	46.71 -0.75 0.00



ROCHESRG_115KV_T4 355643	51.04 -0.09 0.00	46.97 0.01 0.00	39.80 0.02 0.00	39.81 -0.08 0.00	35.44 -0.35 0.00	40.29 -0.41 0.00	42.36 -1.05 0.00	35.34 -1.05 0.00	37.32 -0.78 0.00	39.63 -0.36 0.00	48.09 -0.04 0.00	47.66 0.41 0.00	52.60 0.98 0.00	50.43 0.63 0.00	50.25 0.29 0.00	47.28 0.18 0.00	54.40 0.96 0.00	49.57 0.68 0.00	48.28 1.20 0.00	97.78 2.45 0.00	55.60 0.88 0.00	67.63 0.19 0.00	57.83 0.51 0.00	47.97 0.51 0.00
ROCHESTER_9_IC 23652	51.43 0.31 0.00	47.31 0.34 0.00	40.07 0.29 0.00	40.06 0.17 0.00	35.66 -0.13 0.00	40.55 -0.15 0.00	42.63 -0.78 0.00	35.58 -0.80 0.00	37.59 -0.51 0.00	39.93 -0.06 0.00	48.45 0.33 0.00	48.06 0.80 0.00	53.05 1.43 0.00	50.89 1.10 0.00	50.73 0.77 0.00	47.73 0.64 0.00	54.97 1.53 0.00	50.09 1.20 0.00	48.79 1.72 0.00	98.84 3.50 0.00	56.15 1.43 0.00	68.26 0.83 0.00	58.34 1.02 0.00	48.36 0.90 0.00
ROCKVIEW_13_KV_LD 356306	54.30 3.17 0.00	50.36 3.39 0.00	42.83 3.05 0.00	42.80 2.91 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.41 2.99 0.00	38.92 2.54 0.00	40.74 2.64 0.00	42.90 2.90 0.00	51.70 3.57 0.00	50.82 3.56 0.00	55.42 3.80 0.00	53.56 3.77 0.00	53.43 3.47 0.00	50.87 3.77 0.00	57.77 4.34 0.00	53.09 4.20 0.00	51.01 3.93 0.00	101.57 6.23 0.00	58.14 3.42 0.00	71.14 3.71 0.00	60.18 2.86 0.00	50.09 2.63 0.00
ROME____115KV_TB2 80656	53.04 1.91 0.00	48.78 1.82 0.00	41.31 1.53 0.00	41.33 1.43 0.00	37.04 1.25 0.00	42.16 1.46 0.00	44.81 1.40 0.00	37.50 1.11 0.00	39.14 1.04 0.00	41.06 1.07 0.00	49.37 1.24 0.00	48.49 1.23 0.00	52.96 1.34 0.00	51.33 1.53 0.00	51.49 1.53 0.00	48.68 1.59 0.00	55.35 1.92 0.00	50.80 1.91 0.00	49.38 2.31 0.00	100.42 5.08 0.00	57.61 2.88 0.00	70.75 3.32 0.00	59.80 2.48 0.00	49.16 1.70 0.00
ROSETON___1 23587	53.35 2.22 0.00	49.47 2.50 0.00	42.09 2.30 0.00	42.08 2.18 0.00	37.83 2.04 0.00	42.94 2.24 0.00	45.61 2.21 0.00	38.24 1.86 0.00	39.98 1.88 0.00	41.98 2.00 0.00	50.53 2.41 0.00	49.66 2.41 0.00	54.14 2.52 0.00	52.27 2.48 0.00	52.23 2.28 0.00	49.68 2.58 0.00	56.34 2.90 0.00	51.79 2.90 0.00	49.83 2.76 0.00	99.35 4.01 0.00	56.96 2.24 0.00	69.80 2.37 0.00	59.10 1.78 0.00	49.16 1.70 0.00
ROSETON___2 23588	53.35 2.22 0.00	49.47 2.50 0.00	42.09 2.30 0.00	42.08 2.18 0.00	37.83 2.04 0.00	42.94 2.24 0.00	45.61 2.21 0.00	38.24 1.86 0.00	39.98 1.88 0.00	41.98 2.00 0.00	50.53 2.41 0.00	49.66 2.41 0.00	54.14 2.52 0.00	52.27 2.48 0.00	52.23 2.28 0.00	49.68 2.58 0.00	56.34 2.90 0.00	51.79 2.90 0.00	49.83 2.76 0.00	99.35 4.01 0.00	56.96 2.24 0.00	69.80 2.37 0.00	59.10 1.78 0.00	49.16 1.70 0.00
ROTTRDAM_115KV_TB3 80664	52.65 1.53 0.00	48.62 1.66 0.00	41.33 1.55 0.00	41.35 1.46 0.00	37.13 1.35 0.00	42.19 1.50 0.00	44.83 1.42 0.00	37.44 1.06 0.00	39.09 0.98 0.00	40.90 0.90 0.00	49.10 0.97 0.00	48.25 0.99 0.00	52.62 1.00 0.00	50.84 1.05 0.00	50.98 1.03 0.00	48.32 1.23 0.00	54.78 1.35 0.00	50.37 1.48 0.00	48.68 1.61 0.00	98.05 2.71 0.00	56.48 1.76 0.00	69.37 1.94 0.00	58.75 1.44 0.00	48.63 1.17 0.00
RUSSELL___1 23602	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
RUSSELL___2 23532	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
RUSSELL___3 23549	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
RUSSELL___4 23556	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
RUSSELL___STATION 23914	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
S SALMON___HYD 24043	51.25 -0.22 -0.35	47.35 -0.06 -0.44	39.72 -0.06 0.00	39.75 -0.15 0.00	35.60 -0.19 0.00	40.41 -0.29 0.00	43.04 -0.46 -0.08	36.02 -0.36 0.00	37.78 -0.32 0.00	39.69 -0.30 0.00	47.68 -0.44 0.00	46.57 -0.69 0.00	50.95 -0.67 0.00	49.24 -0.55 0.00	49.33 -0.63 0.00	46.45 -0.63 0.00	52.70 -0.74 0.00	48.29 -0.60 0.00	46.89 -0.18 0.00	96.13 -0.27 -1.06	54.63 -0.09 0.00	67.91 -0.26 -0.74	57.57 -0.31 -0.56	47.10 -0.36 0.00
S.PERRY__115KV_TB1 80734	52.84 1.72 0.00	49.00 2.03 0.00	41.41 1.63 0.00	41.41 1.51 0.00	36.82 1.03 0.00	41.93 1.23 0.00	44.03 0.62 0.00	36.38 -0.02 -0.01	37.81 -0.30 0.00	39.73 -0.27 0.00	47.59 -0.54 0.00	46.88 -0.38 0.00	51.72 0.10 0.00	49.49 -0.30 0.00	49.35 -0.61 0.00	46.49 -0.60 0.00	53.74 0.31 0.00	49.02 0.13 0.00	47.98 0.90 0.00	98.68 3.34 0.00	56.85 2.13 0.00	69.15 1.72 0.00	58.75 1.43 0.00	48.43 0.98 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	50.54 -0.58 0.00	46.47 -0.49 0.00	39.38 -0.41 0.00	39.38 -0.51 0.00	34.90 -0.89 0.00	39.66 -1.03 0.00	41.33 -2.08 0.00	34.31 -2.07 0.00	36.41 -1.69 0.00	38.89 -1.10 0.00	47.41 -0.71 0.00	47.18 -0.08 0.00	52.35 0.73 0.00	49.84 0.05 0.00	49.40 -0.56 0.00	46.28 -0.81 0.00	53.59 0.16 0.00	48.57 -0.33 0.00	47.51 0.44 0.00	96.34 1.01 0.00	54.51 -0.21 0.00	66.12 -1.32 0.00	57.06 -0.26 0.00	47.60 0.14 0.00



SAWYER___23_KV_LOAD 55526	50.54 -0.58 0.00	46.47 -0.49 0.00	39.38 -0.41 0.00	39.38 -0.51 0.00	34.90 -0.89 0.00	39.66 -1.03 0.00	41.33 -2.08 0.00	34.31 -2.07 0.00	36.41 -1.69 0.00	38.89 -1.10 0.00	47.41 -0.71 0.00	47.18 -0.08 0.00	52.35 0.73 0.00	49.84 0.05 0.00	49.40 -0.56 0.00	46.28 -0.81 0.00	53.59 0.16 0.00	48.57 -0.33 0.00	47.51 0.44 0.00	96.34 1.01 0.00	54.51 -0.21 0.00	66.12 -1.32 0.00	57.06 -0.26 0.00	47.60 0.14 0.00
SELKIRK___I 23801	52.13 1.01 0.00	48.25 1.28 0.00	41.09 1.31 0.00	41.08 1.19 0.00	36.99 1.20 0.00	41.95 1.25 0.00	44.43 1.01 0.00	36.69 0.30 0.00	38.10 0.00 0.00	39.78 -0.21 0.00	47.66 -0.47 0.00	46.85 -0.41 0.00	51.02 -0.60 0.00	49.34 -0.45 0.00	49.47 -0.48 0.00	46.91 -0.18 0.00	53.00 -0.43 0.00	48.71 -0.17 0.00	46.99 -0.08 0.00	94.48 -0.86 0.00	54.57 -0.15 0.00	67.12 -0.31 0.00	56.84 -0.48 0.00	47.05 -0.41 0.00
SELKIRK___II 23799	51.73 0.60 0.00	47.87 0.91 0.00	40.76 0.98 0.00	40.75 0.85 0.00	36.70 0.91 0.00	41.62 0.91 0.00	44.19 0.77 0.00	36.97 0.59 0.00	38.59 0.48 0.00	40.33 0.34 0.00	48.36 0.23 0.00	47.50 0.24 0.00	51.73 0.11 0.00	50.04 0.24 0.00	50.17 0.22 0.00	47.61 0.52 0.00	53.80 0.37 0.00	49.45 0.56 0.00	47.66 0.59 0.00	95.57 0.23 0.00	55.10 0.38 0.00	67.72 0.29 0.00	57.34 0.02 0.00	47.47 0.01 0.00
SENECA OSWGO___HYD 24041	50.85 -0.82 -0.54	47.00 -0.65 -0.68	39.39 -0.39 0.00	39.42 -0.47 0.00	35.28 -0.50 0.00	40.13 -0.57 0.00	42.69 -0.84 -0.12	35.66 -0.72 0.00	37.37 -0.74 0.00	39.28 -0.71 0.00	47.32 -0.80 0.00	46.51 -0.75 0.00	50.91 -0.71 0.00	49.12 -0.68 0.00	49.18 -0.78 0.00	46.46 -0.64 0.00	52.96 -0.47 0.00	48.53 -0.36 0.00	47.00 -0.08 0.00	96.59 -0.37 -1.63	54.43 -0.30 0.00	67.81 -0.76 -1.13	57.45 -0.74 -0.86	46.86 -0.61 0.00
SENECA___115KV_TB3 355854	51.05 -0.07 0.00	46.90 -0.06 0.00	39.70 -0.08 0.00	39.72 -0.18 0.00	35.19 -0.59 0.00	40.03 -0.67 0.00	41.74 -1.67 0.00	34.70 -1.69 0.00	36.79 -1.32 0.00	39.24 -0.75 0.00	47.82 -0.31 0.00	47.54 0.28 0.00	52.75 1.12 0.00	50.24 0.44 0.00	49.82 -0.14 0.00	46.73 -0.36 0.00	54.13 0.69 0.00	49.05 0.16 0.00	48.03 0.96 0.00	97.47 2.14 0.00	55.11 0.39 0.00	66.87 -0.56 0.00	57.58 0.26 0.00	47.97 0.51 0.00
SENECA___ENERGY 23797	51.45 0.17 -0.15	47.47 0.31 -0.19	40.06 0.28 0.00	40.11 0.21 0.00	35.81 0.02 0.00	40.74 0.04 0.00	43.12 -0.33 -0.04	36.00 -0.39 0.00	37.72 -0.38 0.00	39.75 -0.24 0.00	48.07 -0.06 0.00	47.37 0.11 0.00	52.17 0.55 0.00	50.17 0.38 0.00	50.21 0.25 0.00	47.37 0.28 0.00	54.34 0.91 0.00	49.71 0.82 0.00	48.46 1.39 0.00	98.58 2.79 -0.45	56.01 1.29 0.00	68.60 0.85 -0.32	58.13 0.56 -0.24	47.91 0.45 0.00
SHOEMAKER___GT 23640	53.37 2.24 0.00	49.44 2.47 0.00	42.06 2.27 0.00	42.07 2.18 0.00	37.80 2.01 0.00	42.90 2.20 0.00	45.55 2.14 0.00	38.16 1.78 0.00	39.89 1.79 0.00	41.91 1.91 0.00	50.42 2.29 0.00	49.53 2.28 0.00	54.00 2.38 0.00	52.22 2.43 0.00	52.11 2.16 0.00	49.35 2.26 0.00	56.10 2.66 0.00	51.62 2.73 0.00	49.77 2.70 0.00	99.61 4.27 0.00	57.10 2.37 0.00	69.94 2.50 0.00	59.18 1.86 0.00	49.15 1.69 0.00
SHOEMAKR_138KV_BK 111 55601	53.34 2.21 0.00	49.41 2.45 0.00	42.03 2.25 0.00	42.06 2.16 0.00	37.79 2.00 0.00	42.89 2.19 0.00	45.53 2.12 0.00	38.15 1.77 0.00	39.87 1.77 0.00	41.91 1.91 0.00	50.44 2.31 0.00	49.56 2.30 0.00	54.06 2.43 0.00	52.24 2.44 0.00	52.11 2.16 0.00	49.40 2.31 0.00	56.13 2.69 0.00	51.63 2.74 0.00	49.76 2.69 0.00	99.54 4.20 0.00	57.05 2.33 0.00	69.87 2.44 0.00	59.13 1.81 0.00	49.11 1.65 0.00
SHOREHAM_IC_1 23715	52.74 1.62 0.00	49.59 2.63 0.00	42.08 2.30 0.00	41.91 2.01 0.00	37.59 1.80 0.00	43.03 2.33 0.00	45.43 2.02 0.00	38.08 1.69 0.00	37.68 1.47 1.89	39.70 1.70 1.99	48.04 2.20 2.29	47.49 2.24 2.01	43.60 2.23 10.25	46.71 2.26 5.34	47.66 2.27 4.57	47.32 2.70 2.47	45.81 2.91 10.55	29.39 3.29 22.79	46.40 3.04 3.71	45.81 4.50 54.03	28.70 2.48 28.51	26.06 2.51 43.88	22.62 1.86 36.56	22.53 1.51 26.45
SHOREHAM_IC_2 23716	52.74 1.61 0.00	49.60 2.64 0.00	42.09 2.31 0.00	41.91 2.01 0.00	37.59 1.80 0.00	43.03 2.33 0.00	45.42 2.02 0.00	38.08 1.69 0.00	37.69 1.47 1.89	39.71 1.70 1.99	48.05 2.21 2.29	47.49 2.23 2.01	43.63 2.27 10.25	46.74 2.29 5.34	47.68 2.29 4.57	47.32 2.69 2.47	45.82 2.94 10.55	29.45 3.35 22.79	46.41 3.04 3.71	45.81 4.50 54.03	28.71 2.50 28.51	26.08 2.52 43.88	22.65 1.89 36.56	22.54 1.53 26.45
SISSONVILLE____ 23735	51.61 0.49 0.00	46.97 0.00 0.00	39.60 -0.18 0.00	39.82 -0.07 0.00	35.74 -0.05 0.00	40.66 -0.03 0.00	43.80 0.39 0.00	36.73 0.34 0.00	38.51 0.41 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.45 0.19 0.00	51.65 0.03 0.00	49.76 -0.03 0.00	49.85 -0.11 0.00	46.42 -0.67 0.00	52.36 -1.08 0.00	47.45 -1.44 0.00	45.59 -1.48 0.00	93.84 -1.50 0.00	54.13 -0.59 0.00	67.36 -0.07 0.00	57.70 0.38 0.00	47.97 0.50 0.00
SITHE_IND_GS1 24169	47.81 -1.41 1.91	43.35 -1.22 2.40	38.83 -0.95 0.00	38.90 -0.99 0.00	34.84 -0.95 0.00	39.60 -1.10 0.00	41.60 -1.38 0.43	35.22 -1.17 0.00	36.91 -1.20 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.73 -1.91 5.69	53.55 -1.17 0.00	61.73 -1.74 3.96	52.77 -1.53 3.02	46.23 -1.23 0.00
SITHE_IND_GS2 24170	47.81 -1.41 1.91	43.35 -1.22 2.40	38.83 -0.95 0.00	38.90 -0.99 0.00	34.84 -0.95 0.00	39.60 -1.10 0.00	41.60 -1.38 0.43	35.22 -1.17 0.00	36.91 -1.20 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.73 -1.91 5.69	53.55 -1.17 0.00	61.73 -1.74 3.96	52.77 -1.53 3.02	46.23 -1.23 0.00
SITHE_IND_GS3 24171	47.81 -1.41 1.91	43.35 -1.22 2.40	38.83 -0.95 0.00	38.90 -0.99 0.00	34.84 -0.95 0.00	39.60 -1.10 0.00	41.60 -1.38 0.43	35.22 -1.17 0.00	36.91 -1.20 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.73 -1.91 5.69	53.55 -1.17 0.00	61.73 -1.74 3.96	52.77 -1.53 3.02	46.23 -1.23 0.00
SITHE_IND_GS4 24172	47.81 -1.41 1.91	43.35 -1.22 2.40	38.83 -0.95 0.00	38.90 -0.99 0.00	34.84 -0.95 0.00	39.60 -1.10 0.00	41.60 -1.38 0.43	35.22 -1.17 0.00	36.91 -1.20 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.24 0.00	48.62 -1.34 0.00	45.88 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.73 -1.91 5.69	53.55 -1.17 0.00	61.73 -1.74 3.96	52.77 -1.53 3.02	46.23 -1.23 0.00



SITHE___BATAVIA 24024	52.46 1.34 0.00	48.14 1.18 0.00	40.75 0.97 0.00	40.73 0.83 0.00	36.13 0.35 0.00	41.09 0.39 0.00	43.00 -0.41 0.00	35.66 -0.73 0.00	37.66 -0.45 0.00	39.98 -0.01 0.00	48.53 0.40 0.00	48.23 0.97 0.00	53.46 1.84 0.00	51.16 1.36 0.00	50.86 0.90 0.00	47.70 0.61 0.00	55.16 1.73 0.00	50.26 1.37 0.00	49.25 2.18 0.00	100.36 5.02 0.00	56.96 2.24 0.00	69.14 1.70 0.00	59.36 2.04 0.00	49.26 1.80 0.00
SITHE___INDEPEND 23800	47.81 -1.41 1.91	43.35 -1.22 2.40	38.83 -0.95 0.00	38.90 -1.00 0.00	34.84 -0.95 0.00	39.60 -1.10 0.00	41.60 -1.38 0.43	35.22 -1.16 0.00	36.91 -1.20 0.00	38.80 -1.19 0.00	46.75 -1.37 0.00	45.99 -1.27 0.00	50.34 -1.28 0.00	48.55 -1.25 0.00	48.62 -1.34 0.00	45.87 -1.22 0.00	52.25 -1.19 0.00	47.82 -1.07 0.00	46.24 -0.83 0.00	87.73 -1.91 5.69	53.55 -1.17 0.00	61.73 -1.74 3.96	52.77 -1.52 3.02	46.22 -1.24 0.00
SITHE___MASSENA 23902	51.36 0.23 0.00	46.77 -0.19 0.00	39.47 -0.31 0.00	39.68 -0.21 0.00	35.59 -0.20 0.00	40.51 -0.19 0.00	43.62 0.21 0.00	36.63 0.24 0.00	38.45 0.34 0.00	40.43 0.44 0.00	48.67 0.54 0.00	47.55 0.29 0.00	51.79 0.17 0.00	49.86 0.06 0.00	49.92 -0.03 0.00	46.60 -0.49 0.00	52.81 -0.63 0.00	48.05 -0.84 0.00	46.08 -0.99 0.00	94.44 -0.90 0.00	54.26 -0.46 0.00	67.39 -0.04 0.00	57.58 0.26 0.00	47.77 0.31 0.00
SITHE___OGDNSBRG 24021	52.49 1.37 0.00	47.72 0.76 0.00	40.20 0.42 0.00	40.46 0.57 0.00	36.28 0.49 0.00	41.31 0.61 0.00	44.47 1.06 0.00	37.04 0.65 0.00	38.65 0.54 0.00	40.58 0.59 0.00	48.78 0.66 0.00	47.60 0.34 0.00	51.83 0.21 0.00	49.90 0.10 0.00	49.96 0.00 0.00	46.53 -0.56 0.00	52.65 -0.79 0.00	47.82 -1.07 0.00	45.98 -1.10 0.00	95.33 -0.01 0.00	55.37 0.65 0.00	68.90 1.47 0.00	58.90 1.58 0.00	48.84 1.37 0.00
SITHE___STERLING 23777	52.59 1.46 0.00	48.40 1.44 0.00	41.01 1.22 0.00	41.03 1.13 0.00	36.78 0.99 0.00	41.84 1.14 0.00	44.44 1.04 0.00	37.17 0.78 0.00	38.82 0.72 0.00	40.73 0.74 0.00	49.02 0.90 0.00	48.20 0.95 0.00	52.71 1.09 0.00	50.97 1.17 0.00	51.12 1.16 0.00	48.33 1.24 0.00	55.03 1.60 0.00	50.46 1.57 0.00	48.98 1.90 0.00	99.41 4.07 0.00	57.08 2.36 0.00	70.03 2.60 0.00	59.24 1.92 0.00	48.83 1.37 0.00
SLEIGHT__34_KV_TB1 80719	51.24 0.04 -0.08	47.14 0.08 -0.10	39.82 0.04 0.00	39.86 -0.04 0.00	35.56 -0.22 0.00	40.45 -0.25 0.00	42.72 -0.71 -0.02	35.65 -0.73 0.00	37.48 -0.63 0.00	39.63 -0.36 0.00	48.00 -0.12 0.00	47.50 0.24 0.00	52.31 0.69 0.00	50.26 0.47 0.00	50.28 0.32 0.00	47.34 0.24 0.00	54.41 0.98 0.00	49.69 0.81 0.00	48.37 1.30 0.00	98.29 2.73 -0.23	55.90 1.18 0.00	68.28 0.69 -0.16	58.09 0.64 -0.12	47.96 0.50 0.00
SMITHTWN_69_KV_BK 1 55830	53.48 2.36 0.00	50.35 3.39 0.00	42.73 2.95 0.00	42.60 2.71 0.00	38.19 2.41 0.00	43.63 2.93 0.00	46.03 2.62 0.00	38.53 2.15 0.00	38.12 1.90 1.88	40.17 2.16 1.98	48.62 2.77 2.28	48.09 2.82 1.99	44.44 3.02 10.20	47.56 3.08 5.31	48.49 3.08 4.54	48.03 3.40 2.45	46.67 3.72 10.49	29.86 3.64 22.67	46.62 3.23 3.69	46.26 4.68 53.75	28.95 2.59 28.36	26.59 2.81 43.65	23.01 2.06 36.37	22.95 1.79 26.31
SOUTH CAIRO___GT 23612	53.67 2.54 0.00	49.56 2.60 0.00	42.13 2.35 0.00	42.08 2.18 0.00	37.89 2.11 0.00	42.95 2.25 0.00	45.62 2.21 0.00	38.23 1.84 0.00	39.76 1.66 0.00	41.23 1.23 0.00	49.13 1.00 0.00	48.41 1.15 0.00	52.73 1.10 0.00	51.03 1.24 0.00	51.42 1.46 0.00	48.74 1.65 0.00	55.36 1.93 0.00	51.21 2.32 0.00	49.73 2.66 0.00	100.44 5.11 0.00	58.06 3.34 0.00	71.33 3.90 0.00	60.11 2.79 0.00	49.42 1.96 0.00
SOUTH HAMPTN___IC 23720	53.59 2.47 0.00	50.24 3.28 0.00	42.63 2.85 0.00	42.35 2.46 0.00	38.07 2.29 0.00	43.81 3.12 0.00	46.29 2.88 0.00	38.85 2.46 0.00	38.55 2.34 1.89	40.69 2.70 2.00	49.26 3.43 2.29	48.66 3.41 2.01	44.82 3.47 10.27	47.92 3.48 5.35	48.69 3.30 4.57	48.31 3.69 2.47	47.09 4.21 10.56	30.24 4.17 22.83	47.25 3.90 3.72	47.71 6.48 54.11	29.74 3.57 28.55	27.36 3.87 43.94	23.60 2.90 36.62	23.19 2.22 26.49
SOUTHDOW_115KV_TB1 355954	52.44 1.31 0.00	48.20 1.24 0.00	40.73 0.94 0.00	40.78 0.88 0.00	36.19 0.41 0.00	41.30 0.60 0.00	43.31 -0.10 0.00	36.70 0.31 0.00	38.86 0.76 0.00	41.30 1.31 0.00	50.21 2.09 0.00	48.77 1.51 0.00	54.00 2.38 0.00	51.49 1.69 0.00	51.03 1.07 0.00	47.95 0.85 0.00	55.75 2.31 0.00	50.06 1.17 0.00	49.08 2.01 0.00	99.61 4.27 0.00	56.08 1.36 0.00	68.96 1.53 0.00	59.08 1.76 0.00	49.14 1.68 0.00
SOUTHOLD_69_KV_BK 2 55809	54.35 3.22 0.00	50.72 3.76 0.00	43.04 3.26 0.00	42.57 2.68 0.00	38.43 2.65 0.00	44.65 3.95 0.00	47.20 3.78 0.00	39.73 3.34 0.00	39.54 3.33 1.89	41.78 3.78 2.00	50.56 4.73 2.29	49.87 4.62 2.01	46.08 4.73 10.27	49.13 4.68 5.35	49.74 4.36 4.57	49.22 4.59 2.47	48.48 5.60 10.56	31.11 5.05 22.83	48.03 4.67 3.72	49.91 8.67 54.10	30.97 4.80 28.55	28.88 5.38 43.94	24.73 4.02 36.61	23.82 2.84 26.49
SOUTHOLD___IC 23719	54.35 3.22 0.00	50.72 3.76 0.00	43.04 3.25 0.00	42.57 2.68 0.00	38.43 2.65 0.00	44.65 3.95 0.00	47.20 3.78 0.00	39.73 3.34 0.00	39.53 3.32 1.89	41.78 3.78 2.00	50.55 4.71 2.29	49.87 4.62 2.01	46.05 4.70 10.27	49.10 4.66 5.35	49.71 4.33 4.57	49.22 4.60 2.47	48.46 5.59 10.56	31.07 5.01 22.83	48.02 4.67 3.72	49.91 8.67 54.10	30.96 4.79 28.55	28.87 5.37 43.94	24.71 4.00 36.61	23.80 2.83 26.49
SOUTH_FORK_WT_PWR 323839	54.17 3.05 0.00	50.43 3.46 0.00	42.81 3.02 0.00	42.22 2.32 0.00	38.23 2.45 0.00	44.74 4.04 0.00	47.31 3.90 0.00	39.87 3.48 0.00	39.71 3.50 1.89	41.94 3.94 2.00	50.71 4.87 2.29	49.97 4.72 2.01	46.06 4.71 10.27	49.09 4.65 5.35	49.59 4.21 4.57	49.04 4.42 2.47	48.43 5.56 10.56	30.71 4.65 22.83	47.63 4.27 3.72	49.55 8.32 54.11	30.83 4.66 28.55	28.80 5.30 43.94	24.57 3.87 36.62	23.54 2.57 26.49
SPIERFLS_115KV_TB 1 80737	53.75 2.63 0.00	49.77 2.81 0.00	42.21 2.43 0.00	42.17 2.28 0.00	37.90 2.12 0.00	43.15 2.45 0.00	45.96 2.55 0.00	38.30 1.92 0.00	39.90 1.80 0.00	41.56 1.57 0.00	49.47 1.34 0.00	48.60 1.35 0.00	52.83 1.21 0.00	51.15 1.35 0.00	51.53 1.57 0.00	49.05 1.95 0.00	55.72 2.28 0.00	51.38 2.49 0.00	50.29 3.22 0.00	101.16 5.83 0.00	58.38 3.66 0.00	71.58 4.14 0.00	60.27 2.95 0.00	49.55 2.09 0.00
ST LAWRENCE____ 23600	50.78 -0.35 0.00	46.27 -0.69 0.00	39.05 -0.73 0.00	39.26 -0.63 0.00	35.21 -0.58 0.00	40.07 -0.63 0.00	43.12 -0.29 0.00	36.25 -0.14 0.00	38.02 -0.08 0.00	39.96 -0.03 0.00	48.11 -0.02 0.00	47.06 -0.20 0.00	51.34 -0.28 0.00	49.40 -0.39 0.00	49.50 -0.45 0.00	46.25 -0.85 0.00	52.42 -1.01 0.00	47.77 -1.12 0.00	45.77 -1.30 0.00	93.65 -1.68 0.00	53.73 -1.00 0.00	66.67 -0.77 0.00	56.91 -0.41 0.00	47.12 -0.34 0.00



STATE_CA_115KV_115_LB 55624	52.03 0.90 0.00	48.15 1.18 0.00	40.98 1.20 0.00	40.95 1.06 0.00	36.94 1.15 0.00	41.84 1.14 0.00	44.49 1.08 0.00	37.31 0.93 0.00	38.96 0.86 0.00	40.66 0.67 0.00	48.79 0.66 0.00	47.96 0.70 0.00	52.24 0.62 0.00	50.55 0.75 0.00	50.71 0.76 0.00	48.17 1.08 0.00	54.45 1.02 0.00	50.12 1.23 0.00	48.29 1.22 0.00	96.78 1.45 0.00	55.77 1.05 0.00	68.52 1.08 0.00	57.93 0.61 0.00	47.91 0.44 0.00
STATE_ST_34_KV_LOAD 55959	51.88 0.58 -0.17	47.87 0.69 -0.21	40.27 0.48 0.00	40.39 0.50 0.00	36.15 0.37 0.00	41.13 0.43 0.00	43.63 0.18 -0.04	36.43 0.05 0.00	38.06 -0.05 0.00	40.01 0.02 0.00	48.26 0.14 0.00	47.55 0.29 0.00	52.22 0.60 0.00	50.13 0.34 0.00	50.36 0.40 0.00	47.51 0.41 0.00	54.36 0.93 0.00	49.80 0.91 0.00	48.39 1.32 0.00	98.70 2.87 -0.50	56.24 1.52 0.00	69.12 1.34 -0.35	58.56 0.97 -0.27	48.20 0.75 0.00
STATION_5_MISC_HYD 23604	51.43 0.31 0.00	47.31 0.34 0.00	40.07 0.29 0.00	40.06 0.17 0.00	35.66 -0.13 0.00	40.55 -0.15 0.00	42.63 -0.77 0.00	35.58 -0.80 0.00	37.59 -0.51 0.00	39.93 -0.06 0.00	48.46 0.33 0.00	48.05 0.79 0.00	53.06 1.44 0.00	50.90 1.11 0.00	50.72 0.77 0.00	47.74 0.65 0.00	54.97 1.53 0.00	50.09 1.20 0.00	48.80 1.72 0.00	98.84 3.50 0.00	56.16 1.44 0.00	68.27 0.83 0.00	58.34 1.02 0.00	48.36 0.90 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	51.36 0.17 -0.07	47.30 0.25 -0.09	40.00 0.21 0.00	40.00 0.11 0.00	35.67 -0.12 0.00	40.57 -0.13 0.00	42.81 -0.62 -0.02	35.75 -0.64 0.00	37.62 -0.48 0.00	39.80 -0.20 0.00	48.19 0.06 0.00	47.62 0.36 0.00	52.50 0.88 0.00	50.43 0.63 0.00	50.38 0.43 0.00	47.48 0.39 0.00	54.57 1.14 0.00	49.85 0.96 0.00	48.60 1.53 0.00	98.65 3.10 -0.21	56.05 1.33 0.00	68.38 0.79 -0.15	58.18 0.75 -0.11	48.09 0.63 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	51.13 0.01 0.00	47.02 0.06 0.00	39.83 0.05 0.00	39.82 -0.07 0.00	35.47 -0.32 0.00	40.31 -0.39 0.00	42.43 -0.98 0.00	35.42 -0.96 0.00	37.42 -0.69 0.00	39.74 -0.25 0.00	48.22 0.09 0.00	47.82 0.56 0.00	52.75 1.13 0.00	50.64 0.84 0.00	50.49 0.53 0.00	47.53 0.44 0.00	54.69 1.25 0.00	49.87 0.98 0.00	48.56 1.49 0.00	98.29 2.95 0.00	55.88 1.16 0.00	67.91 0.48 0.00	57.99 0.67 0.00	48.06 0.59 0.00
STA_56___34_KV_BUS2 355983	51.13 0.01 0.00	47.02 0.06 0.00	39.83 0.05 0.00	39.82 -0.07 0.00	35.47 -0.32 0.00	40.31 -0.39 0.00	42.43 -0.98 0.00	35.42 -0.96 0.00	37.42 -0.69 0.00	39.74 -0.25 0.00	48.22 0.09 0.00	47.82 0.56 0.00	52.75 1.13 0.00	50.64 0.84 0.00	50.49 0.53 0.00	47.53 0.44 0.00	54.69 1.25 0.00	49.87 0.98 0.00	48.56 1.49 0.00	98.29 2.95 0.00	55.88 1.16 0.00	67.91 0.48 0.00	57.99 0.67 0.00	48.06 0.59 0.00
STA_67___115KV_BK2 355882	51.28 0.16 0.00	47.17 0.20 0.00	39.96 0.18 0.00	39.97 0.07 0.00	35.58 -0.21 0.00	40.44 -0.26 0.00	42.53 -0.88 0.00	35.48 -0.90 0.00	37.48 -0.62 0.00	39.81 -0.18 0.00	48.30 0.17 0.00	47.88 0.63 0.00	52.87 1.24 0.00	50.70 0.91 0.00	50.54 0.58 0.00	47.55 0.46 0.00	54.73 1.30 0.00	49.88 0.99 0.00	48.58 1.51 0.00	98.39 3.06 0.00	55.93 1.21 0.00	67.99 0.56 0.00	58.14 0.82 0.00	48.19 0.73 0.00
STA_7___115KV_9TRANS 80674	51.80 0.67 0.00	47.62 0.65 0.00	40.31 0.52 0.00	40.30 0.41 0.00	35.86 0.08 0.00	40.77 0.07 0.00	42.88 -0.53 0.00	35.80 -0.59 0.00	37.84 -0.27 0.00	40.20 0.21 0.00	48.80 0.67 0.00	48.41 1.15 0.00	53.48 1.86 0.00	51.32 1.53 0.00	51.18 1.22 0.00	48.18 1.09 0.00	55.51 2.07 0.00	50.61 1.72 0.00	49.32 2.25 0.00	99.86 4.52 0.00	56.71 1.98 0.00	68.90 1.47 0.00	58.84 1.52 0.00	48.73 1.27 0.00
STA_82___115KV_TB1 80780	51.29 0.17 0.00	47.18 0.22 0.00	39.98 0.19 0.00	39.98 0.09 0.00	35.58 -0.21 0.00	40.45 -0.25 0.00	42.54 -0.87 0.00	35.50 -0.89 0.00	37.48 -0.62 0.00	39.81 -0.18 0.00	48.30 0.17 0.00	47.89 0.63 0.00	52.87 1.24 0.00	50.70 0.91 0.00	50.54 0.58 0.00	47.55 0.46 0.00	54.73 1.30 0.00	49.89 1.00 0.00	48.59 1.52 0.00	98.44 3.10 0.00	55.96 1.24 0.00	68.04 0.60 0.00	58.14 0.82 0.00	48.21 0.75 0.00
STEEL___WIND 323596	50.99 -0.13 0.00	46.84 -0.12 0.00	39.65 -0.13 0.00	39.67 -0.23 0.00	35.15 -0.64 0.00	39.98 -0.72 0.00	41.67 -1.74 0.00	34.66 -1.73 0.00	36.72 -1.38 0.00	39.17 -0.82 0.00	47.73 -0.39 0.00	47.43 0.17 0.00	52.62 1.00 0.00	50.12 0.32 0.00	49.68 -0.27 0.00	46.65 -0.45 0.00	54.00 0.56 0.00	48.95 0.06 0.00	47.93 0.85 0.00	97.27 1.94 0.00	55.02 0.30 0.00	66.75 -0.68 0.00	57.48 0.16 0.00	47.90 0.43 0.00
STEPHTWN_115KV_BK_2 55603	51.85 0.72 0.00	47.87 0.90 0.00	40.71 0.93 0.00	40.70 0.81 0.00	36.68 0.89 0.00	41.99 1.29 0.00	44.68 1.27 0.00	37.43 1.05 0.00	38.99 0.89 0.00	40.71 0.72 0.00	48.79 0.66 0.00	48.00 0.74 0.00	52.31 0.70 0.00	50.72 0.92 0.00	50.77 0.81 0.00	48.25 1.16 0.00	54.66 1.23 0.00	50.25 1.36 0.00	48.56 1.49 0.00	97.21 1.87 0.00	56.03 1.30 0.00	68.78 1.34 0.00	57.99 0.67 0.00	47.95 0.49 0.00
STEBEN_REC_LFGE 323667	52.48 1.36 0.00	48.40 1.44 0.00	40.88 1.10 0.00	40.90 1.01 0.00	36.41 0.62 0.00	41.48 0.78 0.00	43.40 -0.01 0.00	35.90 -0.49 -0.01	37.52 -0.58 0.00	39.43 -0.57 0.00	48.17 0.04 0.00	47.55 0.29 0.00	52.11 0.49 0.00	49.62 -0.18 0.00	49.54 -0.41 0.00	46.73 -0.36 0.00	54.23 0.80 0.00	49.31 0.42 0.00	48.58 1.51 0.00	99.72 4.39 0.00	56.85 2.13 0.00	69.17 1.73 0.00	58.51 1.19 0.00	48.25 0.79 0.00
STILLWATER___SOLAR 323814	53.59 2.46 0.00	49.56 2.60 0.00	42.09 2.31 0.00	42.08 2.19 0.00	37.81 2.02 0.00	43.00 2.31 0.00	45.76 2.35 0.00	38.21 1.82 0.00	39.82 1.72 0.00	41.53 1.54 0.00	49.66 1.54 0.00	48.80 1.54 0.00	53.14 1.52 0.00	51.40 1.61 0.00	51.66 1.70 0.00	49.08 1.99 0.00	55.68 2.24 0.00	51.35 2.46 0.00	49.82 2.75 0.00	100.20 4.86 0.00	57.83 3.12 0.00	71.00 3.57 0.00	59.92 2.60 0.00	49.43 1.96 0.00
STONY___BROOK 24151	53.34 2.21 0.00	50.23 3.27 0.00	42.63 2.85 0.00	42.51 2.61 0.00	38.11 2.32 0.00	43.54 2.84 0.00	45.94 2.53 0.00	38.45 2.06 1.89	38.05 1.83 1.99	40.07 2.06 2.28	48.52 2.67 2.00	48.00 2.74 2.00	44.27 2.87 10.22	47.40 2.93 5.32	48.33 2.92 4.55	47.91 3.28 2.46	46.45 3.53 10.51	29.50 3.33 22.72	46.34 2.97 3.70	45.67 4.19 53.86	28.62 2.32 28.41	26.34 2.64 43.73	22.79 1.91 36.44	22.78 1.68 26.36
STURGEON_POOL_HYD 23609	53.71 2.58 0.00	49.77 2.80 0.00	42.35 2.57 0.00	42.35 2.46 0.00	38.04 2.25 0.00	43.20 2.50 0.00	45.86 2.45 0.00	38.52 2.14 0.00	40.32 2.22 0.00	42.43 2.43 0.00	51.11 2.99 0.00	50.23 2.97 0.00	54.76 3.14 0.00	52.90 3.10 0.00	52.93 2.97 0.00	50.31 3.21 0.00	57.20 3.77 0.00	52.60 3.71 0.00	50.64 3.57 0.00	100.96 5.62 0.00	57.77 3.05 0.00	70.73 3.30 0.00	59.84 2.52 0.00	49.72 2.26 0.00



ST_LAW_115_BK7_LBMP 345037	50.78 -0.35 0.00	46.26 -0.71 0.00	39.02 -0.77 0.00	39.24 -0.66 0.00	35.19 -0.60 0.00	40.06 -0.65 0.00	43.13 -0.28 0.00	36.25 -0.14 0.00	38.02 -0.08 0.00	39.96 -0.03 0.00	48.11 -0.01 0.00	47.06 -0.20 0.00	51.32 -0.30 0.00	49.37 -0.42 0.00	49.47 -0.48 0.00	46.20 -0.90 0.00	52.36 -1.07 0.00	47.69 -1.20 0.00	45.68 -1.39 0.00	93.55 -1.79 0.00	53.65 -1.07 0.00	66.64 -0.80 0.00	56.91 -0.41 0.00	47.13 -0.33 0.00
ST_LAW_115_BK8_LBMP 345038	50.78 -0.35 0.00	46.26 -0.71 0.00	39.02 -0.77 0.00	39.24 -0.66 0.00	35.19 -0.60 0.00	40.06 -0.65 0.00	43.13 -0.28 0.00	36.25 -0.14 0.00	38.02 -0.08 0.00	39.96 -0.03 0.00	48.11 -0.01 0.00	47.06 -0.20 0.00	51.32 -0.30 0.00	49.37 -0.42 0.00	49.47 -0.48 0.00	46.20 -0.90 0.00	52.36 -1.07 0.00	47.69 -1.20 0.00	45.68 -1.39 0.00	93.55 -1.79 0.00	53.65 -1.07 0.00	66.64 -0.80 0.00	56.91 -0.41 0.00	47.13 -0.33 0.00
ST_LAW_230_BK5_LBMP 345035	50.78 -0.35 0.00	46.27 -0.69 0.00	39.05 -0.73 0.00	39.26 -0.63 0.00	35.21 -0.58 0.00	40.07 -0.63 0.00	43.12 -0.29 0.00	36.25 -0.14 0.00	38.02 -0.08 0.00	39.96 -0.03 0.00	48.11 -0.02 0.00	47.06 -0.20 0.00	51.34 -0.28 0.00	49.40 -0.39 0.00	49.50 -0.45 0.00	46.25 -0.85 0.00	52.42 -1.01 0.00	47.77 -1.12 0.00	45.77 -1.30 0.00	93.65 -1.68 0.00	53.73 -1.00 0.00	66.67 -0.77 0.00	56.91 -0.41 0.00	47.12 -0.34 0.00
ST_LAW_230_BK6_LBMP 345036	50.78 -0.35 0.00	46.27 -0.69 0.00	39.05 -0.73 0.00	39.26 -0.63 0.00	35.21 -0.58 0.00	40.07 -0.63 0.00	43.12 -0.29 0.00	36.25 -0.14 0.00	38.02 -0.08 0.00	39.96 -0.03 0.00	48.11 -0.02 0.00	47.06 -0.20 0.00	51.34 -0.28 0.00	49.40 -0.39 0.00	49.50 -0.45 0.00	46.25 -0.85 0.00	52.42 -1.01 0.00	47.77 -1.12 0.00	45.77 -1.30 0.00	93.65 -1.68 0.00	53.73 -1.00 0.00	66.67 -0.77 0.00	56.91 -0.41 0.00	47.12 -0.34 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	53.50 2.37 0.00	49.59 2.62 0.00	42.18 2.40 0.00	42.20 2.31 0.00	37.92 2.14 0.00	43.05 2.35 0.00	45.69 2.28 0.00	38.29 1.91 0.00	40.05 1.95 0.00	42.10 2.11 0.00	50.73 2.61 0.00	49.90 2.64 0.00	54.45 2.83 0.00	52.59 2.80 0.00	52.46 2.50 0.00	49.83 2.74 0.00	56.65 3.21 0.00	52.09 3.20 0.00	50.15 3.08 0.00	100.11 4.77 0.00	57.32 2.59 0.00	70.15 2.72 0.00	59.34 2.02 0.00	49.33 1.87 0.00
SWANROAD_115KV_TB1 355699	50.10 -1.02 0.00	46.08 -0.89 0.00	39.08 -0.70 0.00	39.09 -0.80 0.00	34.62 -1.16 0.00	39.33 -1.37 0.00	40.91 -2.50 0.00	33.67 -2.72 0.00	35.63 -2.47 0.00	38.07 -1.93 0.00	46.34 -1.79 0.00	46.18 -1.08 0.00	51.22 -0.40 0.00	48.77 -1.02 0.00	48.27 -1.68 0.00	45.24 -1.85 0.00	52.35 -1.08 0.00	47.48 -1.41 0.00	46.46 -0.61 0.00	94.21 -1.12 0.00	53.37 -1.35 0.00	64.72 -2.71 0.00	56.07 -1.26 0.00	46.87 -0.59 0.00
SYNERGY___BIOGAS 323694	52.46 1.34 0.00	48.15 1.18 0.00	40.75 0.97 0.00	40.73 0.83 0.00	36.14 0.35 0.00	41.08 0.39 0.00	43.01 -0.41 0.00	35.66 -0.73 0.00	37.65 -0.45 0.00	39.98 -0.01 0.00	48.52 0.40 0.00	48.25 0.99 0.00	53.46 1.84 0.00	51.16 1.36 0.00	50.86 0.90 0.00	47.70 0.60 0.00	55.17 1.73 0.00	50.25 1.36 0.00	49.25 2.18 0.00	100.35 5.01 0.00	56.95 2.23 0.00	69.14 1.70 0.00	59.36 2.04 0.00	49.27 1.81 0.00
SYRACUSE___ENERGY_ST1 323597	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
SYRACUSE___ENERGY_ST2 323598	51.38 0.04 -0.22	47.36 0.12 -0.27	39.93 0.15 0.00	39.98 0.09 0.00	35.77 -0.02 0.00	40.67 -0.02 0.00	43.18 -0.28 -0.05	36.13 -0.26 0.00	37.83 -0.28 0.00	39.77 -0.22 0.00	47.97 -0.16 0.00	47.22 -0.04 0.00	51.77 0.15 0.00	49.92 0.13 0.00	50.00 0.05 0.00	47.19 0.10 0.00	53.88 0.44 0.00	49.34 0.45 0.00	47.83 0.76 0.00	97.31 1.32 -0.65	55.31 0.59 0.00	68.20 0.31 -0.45	57.79 0.12 -0.34	47.54 0.07 0.00
SYRACUSE___POWER 24017	51.25 0.05 -0.07	47.21 0.16 -0.09	39.98 0.20 0.00	40.00 0.11 0.00	35.81 0.03 0.00	40.72 0.02 0.00	43.19 -0.24 -0.02	36.16 -0.23 0.00	37.87 -0.23 0.00	39.81 -0.18 0.00	48.03 -0.09 0.00	47.29 0.03 0.00	51.84 0.21 0.00	50.01 0.22 0.00	50.06 0.10 0.00	47.28 0.19 0.00	53.98 0.55 0.00	49.42 0.53 0.00	47.93 0.85 0.00	97.04 1.50 -0.20	55.41 0.69 0.00	67.98 0.40 -0.14	57.63 0.20 -0.11	47.58 0.11 0.00
TALLMAN_138KV_BK151 55660	53.68 2.55 0.00	49.76 2.79 0.00	42.31 2.53 0.00	42.35 2.46 0.00	38.06 2.27 0.00	43.20 2.50 0.00	45.88 2.47 0.00	38.45 2.06 0.00	40.20 2.10 0.00	42.29 2.29 0.00	50.99 2.86 0.00	50.14 2.88 0.00	54.76 3.14 0.00	52.93 3.14 0.00	52.78 2.83 0.00	50.21 3.12 0.00	57.08 3.64 0.00	52.46 3.57 0.00	50.45 3.38 0.00	100.59 5.25 0.00	57.56 2.84 0.00	70.39 2.96 0.00	59.52 2.20 0.00	49.53 2.07 0.00
TEALLAVE_115KV_TB7 355573	50.98 -0.21 -0.06	46.97 -0.08 -0.08	39.78 0.00 0.00	39.81 -0.09 0.00	35.65 -0.14 0.00	40.53 -0.17 0.00	42.98 -0.45 -0.02	35.98 -0.41 0.00	37.72 -0.38 0.00	39.68 -0.31 0.00	47.86 -0.26 0.00	47.12 -0.14 0.00	51.63 0.01 0.00	49.81 0.02 0.00	49.85 -0.10 0.00	47.06 -0.03 0.00	53.75 0.31 0.00	49.19 0.30 0.00	47.67 0.59 0.00	96.44 0.91 -0.19	55.08 0.36 0.00	67.58 0.01 -0.14	57.32 -0.10 -0.10	47.34 -0.12 0.00
TELGRAPH_34_KV_EAST 80808	51.23 0.11 0.00	47.05 0.08 0.00	39.88 0.09 0.00	39.86 -0.03 0.00	35.34 -0.45 0.00	40.16 -0.53 0.00	41.91 -1.51 0.00	34.65 -1.74 0.00	36.67 -1.43 0.00	39.06 -0.93 0.00	47.47 -0.65 0.00	47.25 -0.01 0.00	52.38 0.76 0.00	49.97 0.17 0.00	49.58 -0.37 0.00	46.49 -0.61 0.00	53.77 0.34 0.00	48.85 -0.03 0.00	47.82 0.74 0.00	97.16 1.83 0.00	55.10 0.37 0.00	66.85 -0.58 0.00	57.65 0.33 0.00	48.02 0.56 0.00
TEMPLE___115KV_TB 2 55572	50.97 -0.21 -0.05	46.97 -0.06 -0.07	39.79 0.01 0.00	39.81 -0.08 0.00	35.65 -0.13 0.00	40.53 -0.16 0.00	42.98 -0.44 -0.01	35.99 -0.39 0.00	37.72 -0.38 0.00	39.68 -0.31 0.00	47.88 -0.25 0.00	47.14 -0.12 0.00	51.66 0.04 0.00	49.83 0.04 0.00	49.88 -0.08 0.00	47.10 0.01 0.00	53.78 0.34 0.00	49.22 0.33 0.00	47.70 0.63 0.00	96.45 0.96 -0.16	55.09 0.37 0.00	67.57 0.03 -0.11	57.31 -0.09 -0.08	47.36 -0.10 0.00
TIANA____69_KV_BK 1 55817	53.44 2.32 0.00	50.16 3.19 0.00	42.56 2.78 0.00	42.33 2.44 0.00	38.01 2.23 0.00	43.64 2.94 0.00	46.09 2.68 0.00	38.66 2.28 0.00	38.34 2.13 1.89	40.46 2.46 2.00	49.00 3.16 2.29	48.39 3.14 2.01	44.58 3.23 10.27	47.67 3.23 5.35	48.50 3.12 4.57	48.12 3.49 2.47	46.83 3.96 10.56	30.13 4.07 22.83	47.13 3.77 3.72	47.31 6.08 54.10	29.53 3.35 28.55	27.09 3.60 43.94	23.42 2.72 36.61	23.10 2.12 26.49



TILDEN___115KV_TB1 80814	51.25 0.05 -0.07	47.21 0.16 -0.09	39.98 0.20 0.00	40.00 0.11 0.00	35.81 0.03 0.00	40.72 0.02 0.00	43.19 -0.24 -0.02	36.16 -0.23 0.00	37.87 -0.23 0.00	39.81 -0.18 0.00	48.03 -0.09 0.00	47.29 0.03 0.00	51.84 0.21 0.00	50.01 0.22 0.00	50.06 0.10 0.00	47.28 0.19 0.00	53.98 0.55 0.00	49.42 0.53 0.00	47.93 0.85 0.00	97.04 1.50 -0.20	55.41 0.69 0.00	67.98 0.40 -0.14	57.63 0.20 -0.11	47.58 0.11 0.00
TRIGEN___CC 323695	53.76 2.63 0.00	50.20 3.24 0.00	42.60 2.82 0.00	42.56 2.66 0.00	38.20 2.41 0.00	43.50 2.80 0.00	46.04 2.63 0.00	38.58 2.19 0.00	39.73 2.08 0.45	41.84 2.32 0.47	50.51 2.93 0.54	49.69 2.91 0.47	52.78 3.13 1.98	52.00 3.14 0.94	52.16 2.92 0.72	49.78 3.26 0.57	55.27 3.70 1.87	49.01 3.69 3.56	49.68 3.35 0.75	88.70 5.03 11.67	52.36 2.72 5.08	62.24 2.86 8.05	53.75 2.19 5.76	45.39 2.09 4.16
TRINITY___115KV___4 BK 55933	51.74 0.62 0.00	47.89 0.93 0.00	40.78 1.00 0.00	40.75 0.86 0.00	36.75 0.97 0.00	41.63 0.93 0.00	44.26 0.85 0.00	37.12 0.74 0.00	38.75 0.64 0.00	40.42 0.43 0.00	48.47 0.34 0.00	47.65 0.39 0.00	51.87 0.25 0.00	50.20 0.40 0.00	50.36 0.41 0.00	47.83 0.74 0.00	54.01 0.58 0.00	49.72 0.84 0.00	47.90 0.83 0.00	95.98 0.64 0.00	55.36 0.64 0.00	68.04 0.61 0.00	57.56 0.24 0.00	47.59 0.13 0.00
UNION___PROCESSING_DRP 323587	51.31 0.19 0.00	47.20 0.24 0.00	39.99 0.20 0.00	39.98 0.09 0.00	35.59 -0.20 0.00	40.47 -0.23 0.00	42.55 -0.86 0.00	35.50 -0.88 0.00	37.49 -0.61 0.00	39.82 -0.18 0.00	48.31 0.18 0.00	47.91 0.65 0.00	52.87 1.25 0.00	50.72 0.92 0.00	50.55 0.59 0.00	47.56 0.47 0.00	54.75 1.32 0.00	49.90 1.01 0.00	48.61 1.54 0.00	98.47 3.14 0.00	55.98 1.26 0.00	68.06 0.62 0.00	58.17 0.85 0.00	48.23 0.77 0.00
UPPER HUDSON___HYD 24058	53.75 2.63 0.00	49.77 2.81 0.00	42.22 2.43 0.00	42.17 2.28 0.00	37.90 2.11 0.00	43.15 2.45 0.00	45.96 2.55 0.00	38.30 1.92 0.00	39.90 1.80 0.00	41.56 1.57 0.00	49.46 1.33 0.00	48.60 1.35 0.00	52.83 1.21 0.00	51.15 1.35 0.00	51.53 1.57 0.00	49.04 1.95 0.00	55.72 2.28 0.00	51.38 2.49 0.00	50.29 3.22 0.00	101.17 5.83 0.00	58.37 3.65 0.00	71.58 4.15 0.00	60.27 2.95 0.00	49.55 2.09 0.00
UPPER RAQUET___HYD 24056	51.61 0.49 0.00	46.97 0.00 0.00	39.60 -0.18 0.00	39.82 -0.07 0.00	35.74 -0.05 0.00	40.66 -0.03 0.00	43.80 0.39 0.00	36.72 0.34 0.00	38.51 0.41 0.00	40.45 0.46 0.00	48.68 0.55 0.00	47.46 0.20 0.00	51.65 0.03 0.00	49.77 -0.03 0.00	49.85 -0.11 0.00	46.42 -0.67 0.00	52.36 -1.08 0.00	47.46 -1.43 0.00	45.59 -1.48 0.00	93.84 -1.50 0.00	54.13 -0.59 0.00	67.36 -0.07 0.00	57.70 0.38 0.00	47.97 0.51 0.00
VALLEY44_115KV_TB2 355964	50.75 -0.37 0.00	46.73 -0.23 0.00	39.57 -0.21 0.00	39.69 -0.20 0.00	35.29 -0.49 0.00	40.15 -0.55 0.00	42.16 -1.25 0.00	35.22 -1.17 0.00	37.18 -0.92 0.00	39.37 -0.63 0.00	47.69 -0.44 0.00	47.00 -0.26 0.00	51.91 0.28 0.00	49.49 -0.30 0.00	49.05 -0.90 0.00	46.10 -0.99 0.00	53.47 0.03 0.00	48.36 -0.52 0.00	47.42 0.35 0.00	96.23 0.89 0.00	54.47 -0.25 0.00	66.38 -1.06 0.00	56.94 -0.38 0.00	47.59 0.13 0.00
VALLEY___115KV_TB 1-4 80826	52.13 1.01 0.00	48.11 1.15 0.00	40.79 1.01 0.00	40.79 0.89 0.00	36.67 0.89 0.00	41.75 1.05 0.00	44.33 0.92 0.00	36.87 0.48 0.00	38.28 0.17 0.00	39.86 -0.13 0.00	47.78 -0.34 0.00	46.95 -0.31 0.00	51.24 -0.38 0.00	49.69 -0.10 0.00	49.74 -0.22 0.00	47.29 0.20 0.00	53.55 0.11 0.00	49.41 0.52 0.00	48.10 1.03 0.00	97.35 2.02 0.00	56.17 1.45 0.00	69.19 1.76 0.00	58.46 1.14 0.00	48.24 0.77 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	53.56 2.44 0.00	49.43 2.46 0.00	42.03 2.25 0.00	42.06 2.16 0.00	37.68 1.89 0.00	42.87 2.17 0.00	45.42 2.01 0.00	37.99 1.60 0.00	39.78 1.68 0.00	41.83 1.84 0.00	50.45 2.33 0.00	49.58 2.33 0.00	54.28 2.66 0.00	52.40 2.60 0.00	52.36 2.41 0.00	49.49 2.40 0.00	56.30 2.87 0.00	51.65 2.77 0.00	49.96 2.89 0.00	100.66 5.33 0.00	57.60 2.88 0.00	70.53 3.10 0.00	59.80 2.48 0.00	49.53 2.06 0.00
VISCHER___FERRY HYD 24020	52.74 1.62 0.00	48.84 1.88 0.00	41.53 1.75 0.00	41.49 1.60 0.00	37.32 1.53 0.00	42.40 1.70 0.00	45.13 1.72 0.00	37.77 1.39 0.00	39.42 1.32 0.00	41.14 1.15 0.00	49.24 1.11 0.00	48.41 1.15 0.00	52.64 1.03 0.00	50.96 1.17 0.00	51.19 1.23 0.00	48.64 1.55 0.00	54.93 1.50 0.00	50.60 1.72 0.00	48.88 1.80 0.00	97.99 2.65 0.00	56.63 1.90 0.00	69.64 2.21 0.00	58.87 1.55 0.00	48.63 1.17 0.00
V_A_10_SYNC_DSASP 323832	50.31 -0.81 0.00	46.43 -0.53 0.00	39.39 -0.39 0.00	39.42 -0.47 0.00	35.00 -0.79 0.00	39.77 -0.93 0.00	41.58 -1.83 0.00	34.56 -1.83 0.00	36.62 -1.48 0.00	39.03 -0.97 0.00	47.46 -0.66 0.00	47.16 -0.09 0.00	52.17 0.55 0.00	49.80 0.00 0.00	49.44 -0.52 0.00	46.35 -0.74 0.00	53.52 0.08 0.00	48.59 -0.30 0.00	47.44 0.37 0.00	96.13 0.79 0.00	54.53 -0.19 0.00	66.21 -1.22 0.00	56.99 -0.33 0.00	47.49 0.03 0.00
V_CMM_10_SYNC_DSASP 323787	51.04 -0.09 0.00	46.50 -0.46 0.00	39.24 -0.54 0.00	39.47 -0.43 0.00	35.38 -0.40 0.00	40.28 -0.42 0.00	43.37 -0.04 0.00	36.45 0.06 0.00	38.22 0.12 0.00	40.19 0.20 0.00	48.39 0.26 0.00	47.32 0.06 0.00	51.62 0.00 0.00	49.66 -0.13 0.00	49.75 -0.20 0.00	46.44 -0.65 0.00	52.67 -0.77 0.00	47.97 -0.92 0.00	45.96 -1.11 0.00	94.09 -1.25 0.00	53.75 -0.97 0.00	67.00 -0.44 0.00	57.25 -0.07 0.00	47.41 -0.05 0.00
V_CMP_10_SYNC_DSASP 323788	51.11 -0.01 0.00	46.23 -0.74 0.00	38.94 -0.84 0.00	39.12 -0.77 0.00	35.13 -0.66 0.00	40.11 -0.59 0.00	43.27 -0.14 0.00	36.37 -0.01 0.00	37.90 -0.20 0.00	39.76 -0.23 0.00	48.13 0.01 0.00	46.93 -0.33 0.00	50.92 -0.70 0.00	48.72 -1.08 0.00	48.70 -1.26 0.00	45.50 -1.60 0.00	51.53 -1.90 0.00	47.19 -1.70 0.00	45.09 -1.99 0.00	92.64 -2.70 0.00	53.32 -1.40 0.00	66.06 -1.37 0.00	56.02 -1.30 0.00	46.54 -0.92 0.00
V_D_10_SYNC_DSASP 323841	51.36 0.23 0.00	46.77 -0.20 0.00	39.47 -0.31 0.00	39.68 -0.21 0.00	35.58 -0.20 0.00	40.51 -0.19 0.00	43.62 0.21 0.00	36.62 0.24 0.00	38.44 0.34 0.00	40.43 0.43 0.00	48.66 0.53 0.00	47.55 0.29 0.00	51.79 0.17 0.00	49.86 0.07 0.00	49.92 -0.03 0.00	46.60 -0.49 0.00	52.81 -0.62 0.00	48.07 -0.82 0.00	46.09 -0.99 0.00	94.47 -0.87 0.00	54.26 -0.46 0.00	67.38 -0.05 0.00	57.57 0.25 0.00	47.76 0.30 0.00
V_E_10_SYNC_DSASP 323830	55.01 3.88 0.00	50.51 3.54 0.00	42.65 2.86 0.00	42.45 2.56 0.00	37.85 2.06 0.00	43.62 2.92 0.00	46.57 3.16 0.00	39.03 2.65 0.00	40.42 2.31 0.00	42.25 2.25 0.00	51.10 2.97 0.00	50.00 2.74 0.00	55.05 3.43 0.00	53.03 3.23 0.00	53.02 3.06 0.00	50.16 3.07 0.00	57.79 4.35 0.00	53.07 4.18 0.00	52.17 5.10 0.00	106.16 10.82 0.00	60.66 5.94 0.00	74.04 6.61 0.00	62.62 5.30 0.00	51.40 3.94 0.00



V_F_30_NSYNC___DSASP 323816	53.67 2.54 0.00	49.63 2.67 0.00	42.14 2.36 0.00	42.13 2.24 0.00	37.85 2.07 0.00	43.06 2.36 0.00	45.81 2.40 0.00	38.26 1.87 0.00	39.89 1.79 0.00	41.63 1.63 0.00	49.81 1.68 0.00	48.94 1.68 0.00	53.30 1.68 0.00	51.58 1.79 0.00	51.82 1.87 0.00	49.23 2.14 0.00	55.87 2.44 0.00	51.49 2.60 0.00	49.94 2.87 0.00	100.45 5.11 0.00	57.95 3.23 0.00	71.12 3.69 0.00	60.01 2.69 0.00	49.51 2.05 0.00
V_F_30_SYNC_DSASP 323786	52.02 0.90 0.00	48.14 1.17 0.00	40.98 1.20 0.00	40.95 1.06 0.00	36.93 1.15 0.00	41.83 1.13 0.00	44.49 1.08 0.00	37.30 0.92 0.00	38.96 0.85 0.00	40.66 0.66 0.00	48.77 0.64 0.00	47.95 0.70 0.00	52.22 0.60 0.00	50.54 0.75 0.00	50.71 0.75 0.00	48.17 1.07 0.00	54.45 1.01 0.00	50.11 1.23 0.00	48.28 1.21 0.00	96.76 1.42 0.00	55.77 1.05 0.00	68.51 1.08 0.00	57.92 0.60 0.00	47.90 0.43 0.00
V_XM_10_SYNC_DSASP 323789	51.11 -0.01 0.00	46.23 -0.74 0.00	38.94 -0.84 0.00	39.12 -0.77 0.00	35.13 -0.66 0.00	40.11 -0.59 0.00	43.27 -0.14 0.00	36.37 -0.01 0.00	37.90 -0.20 0.00	39.76 -0.23 0.00	48.13 0.01 0.00	46.93 -0.33 0.00	50.92 -0.70 0.00	48.72 -1.08 0.00	48.70 -1.26 0.00	45.50 -1.60 0.00	51.53 -1.90 0.00	47.19 -1.70 0.00	45.09 -1.99 0.00	92.64 -2.70 0.00	53.32 -1.40 0.00	66.06 -1.37 0.00	56.02 -1.30 0.00	46.54 -0.92 0.00
W.BABYLN_69_KV_BK1 56697	54.18 3.05 0.00	50.85 3.88 0.00	43.14 3.35 0.00	43.03 3.13 0.00	38.59 2.80 0.00	44.04 3.34 0.00	46.52 3.11 0.00	38.96 2.57 0.00	38.80 2.37 1.67	40.82 2.59 1.76	49.32 3.22 2.02	48.67 3.19 1.77	45.98 3.38 9.02	48.51 3.40 4.68	49.29 3.33 4.00	48.50 3.59 2.18	48.20 4.03 9.26	33.02 4.09 19.95	47.57 3.75 3.26	53.49 5.76 47.61	32.86 3.16 25.02	32.35 3.46 38.55	27.92 2.62 32.02	26.61 2.31 23.16
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	53.84 2.72 0.00	49.91 2.95 0.00	42.44 2.66 0.00	42.49 2.59 0.00	38.20 2.42 0.00	43.35 2.65 0.00	46.03 2.62 0.00	38.58 2.19 0.00	40.35 2.25 0.00	42.44 2.45 0.00	51.18 3.05 0.00	50.33 3.07 0.00	54.96 3.34 0.00	53.12 3.33 0.00	52.99 3.03 0.00	50.40 3.31 0.00	57.30 3.87 0.00	52.68 3.79 0.00	50.67 3.60 0.00	100.99 5.66 0.00	57.79 3.07 0.00	70.67 3.24 0.00	59.74 2.42 0.00	49.70 2.23 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	54.17 3.05 0.00	50.29 3.33 0.00	42.78 3.00 0.00	42.76 2.87 0.00	38.43 2.64 0.00	43.65 2.95 0.00	46.38 2.97 0.00	38.97 2.59 0.00	40.79 2.69 0.00	42.94 2.95 0.00	51.74 3.61 0.00	50.85 3.60 0.00	55.47 3.85 0.00	53.62 3.82 0.00	53.46 3.50 0.00	50.90 3.81 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.93 3.86 0.00	101.29 5.95 0.00	57.98 3.26 0.00	70.90 3.47 0.00	59.98 2.66 0.00	50.03 2.56 0.00
W50THST__13_KV_LOAD 356117	54.53 3.40 0.00	50.61 3.65 0.00	43.06 3.28 0.00	43.03 3.13 0.00	38.67 2.89 0.00	43.94 3.24 0.00	46.72 3.31 0.00	39.29 2.90 0.00	41.15 3.04 0.00	43.34 3.35 0.00	52.22 4.09 0.00	51.34 4.09 0.00	56.02 4.40 0.00	54.12 4.33 0.00	53.94 3.98 0.00	51.37 4.28 0.00	58.32 4.88 0.00	53.52 4.63 0.00	51.31 4.24 0.00	101.92 6.58 0.00	58.32 3.60 0.00	71.30 3.86 0.00	60.30 2.98 0.00	50.32 2.86 0.00
WADING RIVER_IC_1 23522	52.69 1.57 0.00	49.55 2.58 0.00	42.04 2.26 0.00	41.87 1.97 0.00	37.55 1.77 0.00	43.00 2.31 0.00	45.41 2.00 0.00	38.06 1.67 0.00	37.66 1.45 1.89	39.68 1.68 2.00	48.02 2.19 2.29	47.47 2.22 2.01	43.55 2.21 10.27	46.71 2.27 5.36	47.62 2.24 4.58	47.28 2.66 2.47	45.76 2.89 10.57	29.31 3.26 22.84	46.35 2.99 3.72	45.60 4.39 54.13	28.58 2.42 28.56	25.95 2.48 43.96	22.52 1.83 36.63	22.45 1.48 26.50
WADING RIVER_IC_2 23547	52.69 1.57 0.00	49.55 2.58 0.00	42.04 2.26 0.00	41.87 1.97 0.00	37.55 1.77 0.00	43.00 2.31 0.00	45.41 2.00 0.00	38.06 1.67 0.00	37.66 1.45 1.89	39.68 1.68 2.00	48.02 2.19 2.29	47.47 2.22 2.01	43.55 2.21 10.27	46.71 2.27 5.36	47.62 2.24 4.58	47.28 2.66 2.47	45.76 2.89 10.57	29.31 3.26 22.84	46.35 2.99 3.72	45.60 4.39 54.13	28.58 2.42 28.56	25.95 2.48 43.96	22.52 1.83 36.63	22.45 1.48 26.50
WADING RIVER_IC_3 23601	52.69 1.57 0.00	49.55 2.58 0.00	42.04 2.26 0.00	41.87 1.97 0.00	37.55 1.77 0.00	43.00 2.31 0.00	45.41 2.00 0.00	38.06 1.67 0.00	37.66 1.45 1.89	39.68 1.68 2.00	48.02 2.19 2.29	47.47 2.22 2.01	43.55 2.21 10.27	46.71 2.27 5.36	47.62 2.24 4.58	47.28 2.66 2.47	45.76 2.89 10.57	29.31 3.26 22.84	46.35 2.99 3.72	45.60 4.39 54.13	28.58 2.42 28.56	25.95 2.48 43.96	22.52 1.83 36.63	22.45 1.48 26.50
WALDENNY_12_KV_BK2 80841	51.11 -0.02 0.00	46.94 -0.02 0.00	39.73 -0.05 0.00	39.75 -0.14 0.00	35.23 -0.56 0.00	40.06 -0.64 0.00	41.77 -1.65 0.00	34.69 -1.69 0.00	36.79 -1.32 0.00	39.25 -0.74 0.00	47.85 -0.28 0.00	47.60 0.35 0.00	52.81 1.19 0.00	50.32 0.52 0.00	49.89 -0.06 0.00	46.81 -0.28 0.00	54.23 0.79 0.00	49.13 0.24 0.00	48.09 1.02 0.00	97.56 2.22 0.00	55.15 0.42 0.00	66.91 -0.52 0.00	57.62 0.30 0.00	48.01 0.54 0.00
WALDEN___HYDRO 24148	53.80 2.68 0.00	49.83 2.87 0.00	42.39 2.61 0.00	42.39 2.50 0.00	38.09 2.30 0.00	43.26 2.56 0.00	45.94 2.52 0.00	38.51 2.13 0.00	40.28 2.18 0.00	42.34 2.35 0.00	50.99 2.87 0.00	50.15 2.89 0.00	54.69 3.06 0.00	52.86 3.06 0.00	52.77 2.81 0.00	50.13 3.04 0.00	57.01 3.57 0.00	52.45 3.57 0.00	50.54 3.47 0.00	100.91 5.57 0.00	57.77 3.05 0.00	70.67 3.24 0.00	59.76 2.43 0.00	49.64 2.18 0.00
WARRENSBURG____ 23737	53.75 2.63 0.00	49.77 2.81 0.00	42.21 2.43 0.00	42.17 2.28 0.00	37.90 2.12 0.00	43.15 2.45 0.00	45.96 2.55 0.00	38.30 1.92 0.00	39.90 1.80 0.00	41.56 1.57 0.00	49.47 1.34 0.00	48.60 1.35 0.00	52.83 1.21 0.00	51.15 1.35 0.00	51.53 1.57 0.00	49.05 1.95 0.00	55.72 2.28 0.00	51.38 2.49 0.00	50.29 3.22 0.00	101.16 5.83 0.00	58.38 3.66 0.00	71.58 4.14 0.00	60.27 2.95 0.00	49.55 2.09 0.00
WATERSIDE___6 8 9 23538	54.07 2.94 0.00	50.21 3.25 0.00	42.67 2.89 0.00	42.67 2.78 0.00	38.36 2.57 0.00	43.57 2.87 0.00	46.31 2.90 0.00	38.92 2.54 0.00	40.75 2.65 0.00	42.87 2.87 0.00	51.67 3.54 0.00	50.76 3.51 0.00	55.39 3.77 0.00	53.59 3.80 0.00	53.44 3.48 0.00	50.89 3.80 0.00	57.76 4.32 0.00	52.97 4.08 0.00	50.76 3.69 0.00	100.98 5.64 0.00	57.78 3.06 0.00	70.73 3.30 0.00	59.84 2.52 0.00	50.10 2.64 0.00
WATKINRD_115KV_LN8_ILLION 55919	51.82 0.69 0.00	47.81 0.85 0.00	40.56 0.78 0.00	40.58 0.68 0.00	36.47 0.68 0.00	41.50 0.80 0.00	44.09 0.68 0.00	36.73 0.35 0.00	38.22 0.12 0.00	39.89 -0.10 0.00	47.87 -0.25 0.00	47.03 -0.22 0.00	51.35 -0.27 0.00	49.70 -0.09 0.00	49.81 -0.15 0.00	47.25 0.16 0.00	53.54 0.10 0.00	49.30 0.41 0.00	47.85 0.78 0.00	96.78 1.44 0.00	55.77 1.04 0.00	68.66 1.23 0.00	58.06 0.74 0.00	47.95 0.49 0.00



WDELAWARE___HYD 323627	52.72 1.60 0.00	48.78 1.82 0.00	41.47 1.69 0.00	41.46 1.56 0.00	37.24 1.46 0.00	42.28 1.59 0.00	44.91 1.50 0.00	37.67 1.29 0.00	39.40 1.30 0.00	41.42 1.43 0.00	49.91 1.79 0.00	49.07 1.81 0.00	53.50 1.88 0.00	51.69 1.89 0.00	51.65 1.69 0.00	48.93 1.84 0.00	55.71 2.27 0.00	51.37 2.48 0.00	49.60 2.52 0.00	99.30 3.96 0.00	56.80 2.07 0.00	69.47 2.04 0.00	58.70 1.38 0.00	48.65 1.19 0.00
WEST BABYLON___IC 23714	54.18 3.05 0.00	50.85 3.88 0.00	43.14 3.35 0.00	43.03 3.13 0.00	38.59 2.80 0.00	44.04 3.34 0.00	46.52 3.11 0.00	38.96 2.57 0.00	38.80 2.37 1.67	40.82 2.59 1.76	49.32 3.22 2.02	48.67 3.19 1.77	45.98 3.38 9.02	48.51 3.40 4.68	49.29 3.33 4.00	48.50 3.59 2.18	48.20 4.03 9.26	33.02 4.09 19.95	47.57 3.75 3.26	53.49 5.76 47.61	32.86 3.16 25.02	32.35 3.46 38.55	27.92 2.62 32.02	26.61 2.31 23.16
WEST CANADA___HYD 24049	51.34 0.21 0.00	47.30 0.33 0.00	40.11 0.33 0.00	40.18 0.28 0.00	36.06 0.28 0.00	40.98 0.28 0.00	43.62 0.21 0.00	36.53 0.15 0.00	38.22 0.11 0.00	40.09 0.10 0.00	48.22 0.10 0.00	47.37 0.12 0.00	51.73 0.11 0.00	49.94 0.15 0.00	50.08 0.12 0.00	47.32 0.23 0.00	53.65 0.22 0.00	49.19 0.30 0.00	47.41 0.34 0.00	95.74 0.41 0.00	54.99 0.27 0.00	67.66 0.23 0.00	57.44 0.11 0.00	47.56 0.09 0.00
WESTERN_NY_WIND 24143	52.41 1.28 0.00	48.10 1.13 0.00	40.71 0.93 0.00	40.69 0.79 0.00	36.09 0.30 0.00	41.04 0.34 0.00	42.94 -0.47 0.00	35.59 -0.79 0.00	37.59 -0.52 0.00	39.92 -0.08 0.00	48.45 0.32 0.00	48.18 0.92 0.00	53.38 1.76 0.00	51.08 1.28 0.00	50.78 0.82 0.00	47.61 0.52 0.00	55.07 1.64 0.00	50.16 1.27 0.00	49.16 2.09 0.00	100.18 4.84 0.00	56.85 2.13 0.00	69.00 1.57 0.00	59.26 1.94 0.00	49.20 1.74 0.00
WESTOVER___LESR 323668	51.63 0.50 0.00	47.65 0.68 0.00	40.43 0.65 0.00	40.49 0.59 0.00	36.17 0.38 0.00	41.18 0.47 0.00	43.55 0.14 0.00	36.41 0.03 0.00	38.16 0.06 0.00	40.12 0.12 0.00	48.43 0.30 0.00	47.65 0.39 0.00	52.41 0.79 0.00	50.48 0.68 0.00	50.36 0.40 0.00	47.57 0.48 0.00	54.47 1.03 0.00	49.68 0.79 0.00	48.39 1.31 0.00	97.81 2.47 0.00	55.78 1.06 0.00	68.21 0.78 0.00	57.93 0.61 0.00	48.02 0.55 0.00
WETHRSFD_WT_PWR 323626	50.76 -0.37 0.00	46.79 -0.17 0.00	39.59 -0.19 0.00	39.64 -0.25 0.00	35.17 -0.62 0.00	39.99 -0.71 0.00	41.70 -1.71 0.00	34.44 -1.94 0.01	36.24 -1.86 0.00	38.41 -1.58 0.00	46.76 -1.37 0.00	46.32 -0.93 0.00	51.24 -0.38 0.00	48.73 -1.07 0.00	48.43 -1.53 0.00	45.59 -1.50 0.00	52.86 -0.58 0.00	48.01 -0.88 0.00	47.13 0.05 0.00	96.38 1.04 0.00	54.80 0.08 0.00	66.59 -0.84 0.00	56.92 -0.40 0.00	47.22 -0.24 0.00
WHAVSTOR_138KV_BK127 55557	53.58 2.46 0.00	49.68 2.72 0.00	42.27 2.49 0.00	42.30 2.41 0.00	38.02 2.24 0.00	43.15 2.45 0.00	45.81 2.40 0.00	38.39 2.01 0.00	40.15 2.05 0.00	42.21 2.23 0.00	50.89 2.76 0.00	50.03 2.77 0.00	54.62 3.00 0.00	52.78 2.99 0.00	52.66 2.70 0.00	50.08 2.99 0.00	56.90 3.47 0.00	52.29 3.40 0.00	50.30 3.23 0.00	100.27 4.93 0.00	57.39 2.67 0.00	70.24 2.80 0.00	59.40 2.08 0.00	49.44 1.98 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	53.58 2.46 0.00	49.68 2.72 0.00	42.27 2.49 0.00	42.30 2.41 0.00	38.02 2.24 0.00	43.15 2.45 0.00	45.81 2.40 0.00	38.39 2.01 0.00	40.15 2.05 0.00	42.21 2.23 0.00	50.89 2.76 0.00	50.03 2.77 0.00	54.62 3.00 0.00	52.78 2.99 0.00	52.66 2.70 0.00	50.08 2.99 0.00	56.90 3.47 0.00	52.29 3.40 0.00	50.30 3.23 0.00	100.27 4.93 0.00	57.39 2.67 0.00	70.24 2.80 0.00	59.40 2.08 0.00	49.44 1.98 0.00
WHITEHAL_115KV_TB1 80871	55.29 4.16 0.00	51.45 4.48 0.00	43.47 3.69 0.00	43.24 3.34 0.00	38.82 3.04 0.00	44.46 3.76 0.00	47.59 4.18 0.00	39.48 3.09 0.00	40.75 2.65 0.00	42.02 2.03 0.00	49.84 1.72 0.00	48.94 1.68 0.00	52.38 0.76 0.00	50.95 1.15 0.00	51.98 2.02 0.00	49.82 2.73 0.00	56.52 3.08 0.00	51.36 2.47 0.00	50.65 3.57 0.00	102.64 7.30 0.00	59.32 4.60 0.00	73.58 6.15 0.00	61.19 3.87 0.00	49.76 2.30 0.00
WHITEPLN_13_KV_LOAD 356215	54.52 3.39 0.00	50.57 3.60 0.00	42.97 3.19 0.00	42.97 3.07 0.00	38.61 2.82 0.00	43.87 3.17 0.00	46.61 3.20 0.00	39.15 2.77 0.00	40.98 2.88 0.00	43.11 3.12 0.00	51.97 3.84 0.00	51.11 3.85 0.00	55.80 4.18 0.00	53.96 4.17 0.00	53.85 3.89 0.00	51.28 4.19 0.00	58.27 4.84 0.00	53.56 4.67 0.00	51.46 4.39 0.00	102.46 7.12 0.00	58.59 3.86 0.00	71.65 4.22 0.00	60.56 3.24 0.00	50.34 2.88 0.00
WM_FLOYD_69_KV_BK2 356380	53.20 2.07 0.00	50.03 3.06 0.00	42.46 2.68 0.00	42.30 2.41 0.00	37.93 2.14 0.00	43.39 2.69 0.00	45.81 2.40 0.00	38.38 1.99 0.00	38.00 1.79 1.89	40.02 2.02 1.99	48.45 2.61 2.29	47.87 2.62 2.00	44.07 2.69 10.25	47.17 2.71 5.34	48.09 2.70 4.56	47.71 3.08 2.47	46.23 3.34 10.54	29.68 3.57 22.78	46.65 3.28 3.71	46.25 4.91 54.00	28.99 2.76 28.49	26.49 2.91 43.85	22.99 2.20 36.54	22.85 1.82 26.43
WOODARD__115KV_TB2 355635	50.96 -0.32 -0.15	46.96 -0.20 -0.19	39.69 -0.10 0.00	39.72 -0.17 0.00	35.56 -0.23 0.00	40.45 -0.26 0.00	42.92 -0.53 -0.04	35.92 -0.46 0.00	37.66 -0.45 0.00	39.60 -0.39 0.00	47.76 -0.37 0.00	47.01 -0.25 0.00	51.49 -0.13 0.00	49.68 -0.12 0.00	49.75 -0.21 0.00	46.96 -0.14 0.00	53.58 0.14 0.00	49.05 0.16 0.00	47.50 0.43 0.00	96.38 0.58 -0.46	54.92 0.20 0.00	67.59 -0.16 -0.32	57.32 -0.24 -0.24	47.23 -0.23 0.00
WOODMERE_69_KV_BK1 55827	54.51 3.38 0.00	50.86 3.90 0.00	43.13 3.34 0.00	43.08 3.19 0.00	38.66 2.87 0.00	44.04 3.34 0.00	46.59 3.18 0.00	39.03 2.64 0.00	40.47 2.57 0.20	42.64 2.85 0.21	51.48 3.59 0.24	50.61 3.56 0.21	54.96 3.83 0.49	53.76 3.93 -0.03	53.61 3.66 0.00	50.79 3.94 0.24	57.73 4.56 0.27	53.56 4.44 -0.23	51.42 4.05 -0.30	99.73 6.41 2.02	57.92 3.48 0.28	69.80 3.73 1.36	60.34 3.02 0.00	50.25 2.79 0.00
YORK___WARBASSE 23770	54.13 3.01 0.00	50.33 3.37 0.00	42.77 2.99 0.00	42.79 2.89 0.00	38.46 2.67 0.00	43.68 2.98 0.00	46.40 2.99 0.00	38.99 2.60 0.00	40.81 2.71 0.00	42.90 2.91 0.00	51.65 3.53 0.00	50.69 3.43 0.00	55.36 3.73 0.00	53.67 3.88 0.00	53.49 3.53 0.00	50.92 3.83 0.00	57.80 4.36 0.00	53.08 4.19 0.00	50.94 3.86 0.00	101.37 6.04 0.00	58.06 3.34 0.00	71.06 3.62 0.00	60.12 2.81 0.00	50.34 2.88 0.00