

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

12/05/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	38.69	33.09	32.43	31.31	34.56	39.80	52.80	62.14	46.02	32.29	37.71	39.85	42.22	43.45	42.16	40.18	37.64	39.85	38.31	40.35	42.66	39.83	34.91	31.93
24138	1.21	1.09	1.04	0.94	1.11	1.49	2.66	3.05	2.66	1.99	2.36	2.77	3.03	3.20	3.25	3.35	3.60	3.94	3.65	3.44	3.37	3.12	2.55	2.03
	0.00	0.00	0.00	0.00	0.00	-3.70	-12.54	-20.09	-7.37	0.00	0.00	0.00	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	38.68	33.09	32.41	31.28	34.56	39.79	52.77	62.08	45.97	32.23	37.65	39.77	42.14	43.34	42.04	40.08	37.55	39.76	38.22	40.27	42.59	39.78	34.86	31.89
24260	1.20	1.08	1.02	0.91	1.11	1.48	2.63	2.99	2.61	1.92	2.29	2.70	2.95	3.09	3.14	3.24	3.51	3.85	3.57	3.36	3.31	3.07	2.49	1.99
	0.00	0.00	0.00	0.00	0.00	-3.70	-12.54	-20.09	-7.37	0.00	0.00	0.00	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	38.68	33.09	32.41	31.28	34.56	39.79	52.77	62.08	45.97	32.23	37.65	39.77	42.14	43.34	42.04	40.08	37.55	39.76	38.22	40.27	42.59	39.78	34.86	31.89
24261	1.20	1.08	1.02	0.91	1.11	1.48	2.63	2.99	2.61	1.92	2.29	2.70	2.95	3.09	3.14	3.24	3.51	3.85	3.57	3.36	3.31	3.07	2.49	1.99
	0.00	0.00	0.00	0.00	0.00	-3.70	-12.54	-20.09	-7.37	0.00	0.00	0.00	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	38.71	33.16	32.60	31.47	34.73	82.06	195.88	235.99	130.07	32.19	37.61	39.34	41.35	42.48	41.04	39.02	36.41	38.47	37.02	39.19	41.42	38.85	34.09	31.30
24011	1.24	1.16	1.20	1.11	1.28	1.63	2.92	3.01	2.74	1.89	2.25	2.26	2.16	2.23	2.13	2.18	2.37	2.56	2.37	2.28	2.13	2.14	1.72	1.40
	0.00	0.00	0.00	0.00	0.00	-45.83	-155.35	-193.97	-91.35	0.00	0.00	0.00	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	38.82	33.31	32.73	31.58	34.84	80.17	189.36	228.75	126.37	32.46	37.87	39.66	41.64	42.77	41.30	39.28	36.71	38.77	37.29	39.42	41.54	38.98	34.22	31.38
23798	1.35	1.30	1.34	1.22	1.39	1.80	3.38	3.40	3.14	2.16	2.52	2.59	2.45	2.52	2.39	2.44	2.67	2.86	2.63	2.50	2.26	2.27	1.86	1.48
	0.00	0.00	0.00	0.00	0.00	-43.77	-148.37	-186.35	-87.25	0.00	0.00	0.00	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	38.71	33.16	32.60	31.47	34.73	82.06	195.88	235.99	130.07	32.19	37.61	39.34	41.35	42.48	41.04	39.02	36.41	38.47	37.02	39.19	41.42	38.85	34.09	31.30
24028	1.24	1.16	1.20	1.11	1.28	1.63	2.92	3.01	2.74	1.89	2.25	2.26	2.16	2.23	2.13	2.18	2.37	2.56	2.37	2.28	2.13	2.14	1.72	1.40
	0.00	0.00	0.00	0.00	0.00	-45.83	-155.35	-193.97	-91.35	0.00	0.00	0.00	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	39.27	33.71	32.97	31.85	35.09	120.33	325.96	375.73	206.66	32.52	38.20	40.12	42.51	43.74	42.33	40.23	37.26	39.24	37.80	40.03	42.83	40.10	35.19	32.37
23527	1.79	1.71	1.58	1.48	1.63	1.65	3.35	3.46	3.09	2.21	2.84	3.04	3.32	3.49	3.43	3.40	3.22	3.33	3.15	3.12	3.55	3.39	2.83	2.46
	0.00	0.00	0.00	0.00	0.00	-84.07	-285.01	-333.27	-167.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	37.56	32.16	31.49	30.43	33.55	19.32	-14.50	-3.97	5.42	30.33	35.60	37.39	39.55	40.65	39.36	37.38	34.82	36.83	35.49	37.63	39.91	37.28	32.81	30.21
24190	0.08	0.15	0.09	0.06	0.10	0.22	0.45	0.58	0.34	0.02	0.24	0.32	0.36	0.40	0.45	0.55	0.79	0.92	0.84	0.71	0.62	0.57	0.45	0.31
	0.00	0.00	0.00	0.00	0.00	15.50	52.55	43.56	30.90	0.00	0.00	0.00	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	38.28	32.73	32.10	31.07	34.14	35.11	37.69	39.06	35.98	30.52	35.59	37.19	39.32	40.41	38.98	36.72	33.64	35.31	34.23	36.65	39.22	36.71	32.52	30.15
355683	0.80	0.72	0.71	0.70	0.68	0.51	0.08	0.05	-0.01	0.21	0.23	0.12	0.14	0.16	0.08	-0.11	-0.40	-0.60	-0.43	-0.26	-0.06	-0.01	0.16	0.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	37.56	32.16	31.49	30.43	33.55	19.32	-14.50	-3.97	5.42	30.33	35.60	37.39	39.55	40.65	39.36	37.38	34.82	36.83	35.49	37.63	39.91	37.28	32.81	30.21
23571	0.08	0.15	0.09	0.06	0.10	0.22	0.45	0.58	0.34	0.02	0.24	0.32	0.36	0.40	0.45	0.55	0.79	0.92	0.84	0.71	0.62	0.57	0.45	0.31
	0.00	0.00	0.00	0.00	0.00	15.50	52.55	43.56	30.90	0.00	0.00	0.00	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	37.56	32.16	31.49	30.43	33.55	19.32	-14.50	-3.97	5.42	30.33	35.60	37.39	39.55	40.65	39.36	37.38	34.82	36.83	35.49	37.63	39.91	37.28	32.81	30.21
23572	0.08	0.15	0.09	0.06	0.10	0.22	0.45	0.58	0.34	0.02	0.24	0.32	0.36	0.40	0.45	0.55	0.79	0.92	0.84	0.71	0.62	0.57	0.45	0.31
	0.00	0.00	0.00	0.00	0.00	15.50	52.55	43.56	30.90	0.00	0.00	0.00	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___3	37.56	32.16	31.49	30.43	33.55	19.32	-14.50	-3.97	5.42	30.33	35.60	37.39	39.55	40.65	39.36	37.38	34.82	36.83	35.49	37.63	39.91	37.28	32.81	30.21
23573	0.08	0.15	0.09	0.06	0.10	0.22	0.45	0.58	0.34	0.02	0.24	0.32	0.36	0.40	0.45	0.55	0.79	0.92	0.84	0.71	0.62	0.57	0.45	0.31
	0.00	0.00	0.00	0.00	0.00	15.50	52.55	43.56	30.90	0.00	0.00	0.00	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___4 23574	37.56 0.08 0.00	32.16 0.15 0.00	31.49 0.09 0.00	30.43 0.06 0.00	33.55 0.10 0.00	19.32 0.22 15.50	-14.50 0.45 52.55	-3.97 0.58 43.56	5.42 0.34 30.90	30.33 0.02 0.00	35.60 0.24 0.00	37.39 0.32 0.00	39.55 0.36 0.00	40.65 0.40 0.00	39.36 0.45 0.00	37.38 0.55 0.00	34.82 0.79 0.00	36.83 0.92 0.00	35.49 0.84 0.00	37.63 0.71 0.00	39.91 0.62 0.00	37.28 0.57 0.00	32.81 0.45 0.00	30.21 0.31 0.00
ALBANY___LFGE 323615	37.95 0.48 0.00	32.49 0.48 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.89 0.44 0.00	21.71 0.59 13.48	-7.28 0.81 45.70	6.28 0.93 33.65	9.83 0.71 26.87	30.71 0.40 0.00	36.03 0.68 0.00	37.86 0.79 0.00	40.06 0.87 0.00	41.15 0.90 0.00	39.85 0.95 0.00	37.85 1.02 0.00	35.26 1.23 0.00	37.29 1.38 0.00	35.91 1.26 0.00	38.09 1.18 0.00	40.37 1.09 0.00	37.72 1.00 0.00	33.15 0.79 0.00	30.52 0.61 0.00
ALCOA_PA_115KV_PL-6C 55860	38.53 1.05 0.00	33.04 1.03 0.00	32.41 1.02 0.00	31.37 1.01 0.00	34.48 1.02 0.00	35.33 0.72 0.00	37.91 0.31 0.00	39.29 0.29 0.00	36.19 0.20 0.00	30.70 0.39 0.00	35.81 0.46 0.00	37.43 0.36 0.00	39.57 0.38 0.00	40.67 0.42 0.00	39.23 0.32 0.00	36.89 0.05 0.00	33.78 -0.26 0.00	35.25 -0.66 0.00	34.38 -0.27 0.00	36.83 -0.08 0.00	39.43 0.15 0.00	36.96 0.24 0.00	32.73 0.37 0.00	30.35 0.44 0.00
ALCOA_RYNLDS___DRP 24188	38.53 1.05 0.00	33.04 1.03 0.00	32.41 1.02 0.00	31.37 1.01 0.00	34.48 1.02 0.00	35.33 0.72 0.00	37.91 0.31 0.00	39.29 0.29 0.00	36.19 0.20 0.00	30.70 0.39 0.00	35.81 0.46 0.00	37.43 0.36 0.00	39.57 0.38 0.00	40.67 0.42 0.00	39.23 0.32 0.00	36.89 0.05 0.00	33.78 -0.26 0.00	35.25 -0.66 0.00	34.38 -0.27 0.00	36.83 -0.08 0.00	39.43 0.15 0.00	36.96 0.24 0.00	32.73 0.37 0.00	30.35 0.44 0.00
ALCOA___DSASP 323711	38.53 1.05 0.00	33.04 1.03 0.00	32.41 1.02 0.00	31.37 1.01 0.00	34.48 1.02 0.00	35.33 0.72 0.00	37.93 0.33 0.00	39.29 0.28 0.00	36.22 0.24 0.00	30.70 0.39 0.00	35.81 0.46 0.00	37.43 0.36 0.00	39.58 0.39 0.00	40.67 0.42 0.00	39.23 0.32 0.00	36.89 0.06 0.00	33.78 -0.26 0.00	35.25 -0.66 0.00	34.38 -0.27 0.00	36.83 -0.08 0.00	39.43 0.15 0.00	36.96 0.25 0.00	32.74 0.37 0.00	30.35 0.44 0.00
ALLEGHENY___COGEN 23514	38.76 1.28 0.00	32.71 0.70 0.00	32.35 0.96 0.00	31.36 1.00 0.00	34.70 1.25 0.00	35.88 1.28 0.00	39.43 1.83 0.00	42.84 2.00 -1.84	38.47 2.49 0.00	32.62 2.31 0.00	37.78 2.42 0.00	39.49 2.42 0.00	41.70 2.51 0.00	42.79 2.54 0.00	41.37 2.47 0.00	39.03 2.19 0.00	36.49 2.45 0.00	38.78 2.86 0.00	37.00 2.35 0.00	39.37 2.45 0.00	41.34 2.05 0.00	38.50 1.79 0.00	33.91 1.55 0.00	31.56 1.65 0.00
ALTAMONT_115KV_TB 2 55880	38.08 0.61 0.00	32.59 0.58 0.00	31.92 0.53 0.00	30.86 0.49 0.00	34.02 0.57 0.00	28.82 0.73 6.51	16.50 0.99 22.08	28.44 1.11 11.68	23.92 0.91 12.99	30.88 0.57 0.00	36.17 0.81 0.00	37.98 0.91 0.00	40.18 0.99 0.00	41.27 1.02 0.00	39.96 1.05 0.00	37.95 1.11 0.00	35.29 1.26 0.00	37.35 1.44 0.00	36.00 1.34 0.00	38.20 1.29 0.00	40.53 1.24 0.00	37.86 1.15 0.00	33.29 0.92 0.00	30.64 0.74 0.00
ALTONA_WT_PWR 323606	39.96 2.48 0.00	34.17 2.17 0.00	33.48 2.09 0.00	32.37 2.01 0.00	35.53 2.07 0.00	36.44 1.84 0.00	39.04 1.44 0.00	40.65 1.65 0.00	37.28 1.29 0.00	31.57 1.26 0.00	36.55 1.20 0.00	38.34 1.26 0.00	40.53 1.34 0.00	41.60 1.34 0.00	40.09 1.18 0.00	37.93 1.09 0.00	34.87 0.83 0.00	36.65 0.74 0.00	35.41 0.76 0.00	37.93 1.02 0.00	40.46 1.18 0.00	37.76 1.05 0.00	33.35 0.99 0.00	30.94 1.04 0.00
AMERICAN_REF_FUEL 24010	23.95 -1.05 12.48	28.62 -1.39 1.99	28.52 -0.98 1.89	27.14 -0.91 2.32	29.38 -0.92 3.15	29.20 -1.28 4.11	35.37 -1.56 0.68	38.83 -1.86 -1.69	27.84 -1.01 7.14	27.88 -0.66 1.77	34.36 -1.00 0.00	35.81 -1.26 0.00	37.80 -1.39 0.00	38.85 -1.40 0.00	37.45 -1.46 0.00	35.16 -1.68 0.00	32.66 -1.38 0.00	34.61 -1.30 0.00	32.82 -1.84 0.00	34.52 -1.60 0.79	35.71 -2.13 1.45	34.30 -1.99 0.42	28.42 -1.42 2.53	28.01 -0.67 1.22
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.87 0.39 17.00	29.02 -0.28 2.72	29.09 0.27 2.57	27.45 0.24 3.16	29.63 0.48 4.30	29.40 0.40 5.60	37.32 0.64 0.93	41.34 0.54 -1.81	27.61 1.35 9.72	29.12 1.22 2.41	36.50 1.15 0.00	38.33 1.25 0.00	40.47 1.28 0.00	41.56 1.30 0.00	40.11 1.20 0.00	37.69 0.85 0.00	35.06 1.03 0.00	37.26 1.35 0.00	35.44 0.79 0.00	36.81 0.98 1.08	37.71 0.40 1.98	36.52 0.39 0.58	29.36 0.43 3.44	29.05 0.80 1.66
ARTHUR_KILL_GT_1 23520	38.51 1.04 0.00	32.91 0.91 0.00	32.24 0.85 0.00	31.15 0.78 0.00	34.41 0.96 0.00	39.68 1.37 -3.70	52.59 2.44 -12.54	61.90 2.81 -20.09	45.72 2.36 -7.37	31.95 1.65 0.00	37.23 1.87 0.00	39.43 2.36 0.00	41.79 2.60 0.00	42.93 2.69 0.00	41.68 2.77 0.00	39.73 2.89 0.00	37.23 3.20 0.00	39.41 3.50 0.00	37.96 3.30 0.00	39.97 3.05 0.00	42.30 3.01 0.00	39.63 2.92 0.00	34.76 2.39 0.00	31.78 1.88 0.00
ARTHUR_KILL_2 23512	38.40 0.92 0.00	32.83 0.82 0.00	32.15 0.75 0.00	31.06 0.70 0.00	34.32 0.86 0.00	39.56 1.26 -3.70	52.47 2.32 -12.54	61.77 2.68 -20.09	45.59 2.23 -7.37	31.86 1.55 0.00	37.12 1.76 0.00	39.31 2.24 0.00	41.66 2.48 0.00	42.81 2.57 0.00	41.56 2.65 0.00	39.60 2.77 0.00	37.11 3.07 0.00	39.27 3.36 0.00	37.83 3.17 0.00	39.83 2.92 0.00	42.16 2.87 0.00	39.50 2.79 0.00	34.64 2.28 0.00	31.69 1.78 0.00
ARTHUR_KILL_3 23513	38.23 0.75 0.00	32.71 0.71 0.00	32.04 0.65 0.00	30.92 0.56 0.00	34.16 0.70 0.00	39.36 1.06 -3.70	52.29 2.15 -12.54	61.57 2.47 -20.09	45.43 2.07 -7.37	30.61 1.46 1.15	34.65 1.73 2.44	39.21 2.13 0.00	41.53 2.34 0.00	42.74 2.49 0.00	41.46 2.55 0.00	39.51 2.67 0.00	37.02 2.99 0.00	39.23 3.31 0.00	37.70 3.05 0.00	39.72 2.81 0.00	42.05 2.77 0.00	39.27 2.56 0.00	34.42 2.05 0.00	31.47 1.57 0.00
ARTHUR_KILL_COGEN 323718	38.51 1.04 0.00	32.91 0.91 0.00	32.24 0.85 0.00	31.15 0.78 0.00	34.41 0.96 0.00	39.68 1.37 -3.70	52.59 2.44 -12.54	61.90 2.81 -20.09	45.72 2.36 -7.37	31.95 1.65 0.00	37.23 1.87 0.00	39.43 2.36 0.00	41.79 2.60 0.00	42.93 2.69 0.00	41.68 2.77 0.00	39.73 2.89 0.00	37.23 3.20 0.00	39.41 3.50 0.00	37.96 3.30 0.00	39.97 3.05 0.00	42.30 3.01 0.00	39.63 2.92 0.00	34.76 2.39 0.00	31.78 1.88 0.00
ASHOKAN____ 23654	39.36 1.88 0.00	33.65 1.64 0.00	32.96 1.57 0.00	31.86 1.50 0.00	35.15 1.70 0.00	30.76 2.00 5.85	20.50 2.72 19.82	29.93 2.97 12.04	26.80 2.47 11.66	32.07 1.76 0.00	37.61 2.26 0.00	39.49 2.42 0.00	41.74 2.55 0.00	42.87 2.62 0.00	41.66 2.75 0.00	39.61 2.77 0.00	36.87 2.84 0.00	39.13 3.22 0.00	37.71 3.06 0.00	40.04 3.12 0.00	42.44 3.15 0.00	39.57 2.86 0.00	34.65 2.29 0.00	31.83 1.93 0.00



ASTORIA_EAST_ENERGY_CC1 323581	38.27 0.79 0.00	32.81 0.80 0.00	32.10 0.71 0.00	31.03 0.67 0.01	34.25 0.81 0.00	39.49 1.19 -3.70	52.45 2.30 -12.54	61.71 2.61 -20.09	45.56 2.20 -7.37	31.86 1.55 0.00	37.26 1.90 0.00	39.31 2.24 0.00	41.67 2.48 0.00	42.80 2.55 0.00	41.51 2.61 0.00	39.63 2.80 0.00	37.14 3.11 0.00	39.33 3.42 0.00	37.80 3.14 0.00	39.85 2.93 0.00	42.14 2.86 0.00	39.36 2.65 0.00	34.51 2.15 0.00	31.54 1.63 0.00
ASTORIA_EAST_ENERGY_CC2 323582	38.27 0.79 0.00	32.81 0.80 0.00	32.10 0.71 0.00	31.03 0.67 0.01	34.25 0.81 0.00	39.49 1.19 -3.70	52.45 2.30 -12.54	61.71 2.61 -20.09	45.56 2.20 -7.37	31.86 1.55 0.00	37.26 1.90 0.00	39.31 2.24 0.00	41.67 2.48 0.00	42.80 2.55 0.00	41.51 2.61 0.00	39.63 2.80 0.00	37.14 3.11 0.00	39.33 3.42 0.00	37.80 3.14 0.00	39.85 2.93 0.00	42.14 2.86 0.00	39.36 2.65 0.00	34.51 2.15 0.00	31.54 1.63 0.00
ASTORIA_GT2_1 24094	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT2_2 24095	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT2_3 24096	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT2_4 24097	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT3_1 24098	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT3_2 24099	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT3_3 24100	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT3_4 24101	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT4_1 24102	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT4_2 24103	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT4_3 24104	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT4_4 24105	38.30 0.82 0.00	32.83 0.83 0.00	32.12 0.73 0.00	31.06 0.69 0.00	34.29 0.83 0.00	39.50 1.19 -3.70	52.47 2.32 -12.54	61.74 2.65 -20.09	45.60 2.24 -7.37	31.90 1.59 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.86 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.54 2.17 0.00	31.55 1.65 0.00
ASTORIA_GT_1 23523	38.36 0.88 0.00	32.88 0.88 0.00	32.17 0.78 0.00	31.10 0.74 0.01	34.33 0.88 0.00	39.56 1.26 -3.70	52.54 2.39 -12.54	61.80 2.71 -20.09	45.67 2.30 -7.37	31.95 1.65 0.00	37.36 2.00 0.00	39.43 2.35 0.00	41.79 2.60 0.00	42.92 2.67 0.00	41.63 2.72 0.00	39.74 2.91 0.00	37.24 3.21 0.00	39.44 3.53 0.00	37.90 3.25 0.00	39.95 3.03 0.00	42.24 2.96 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.60 1.70 0.00



ASTORIA_GT_10 24110	38.40 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.88 0.00	39.55 1.25 -3.70	52.48 2.33 -12.54	61.79 2.69 -20.09	45.69 2.33 -7.37	31.98 1.67 0.00	37.35 2.00 0.00	39.46 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.88 0.00	39.84 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA_GT_11 24225	38.40 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.88 0.00	39.55 1.25 -3.70	52.48 2.33 -12.54	61.79 2.69 -20.09	45.69 2.33 -7.37	31.98 1.67 0.00	37.35 2.00 0.00	39.46 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.88 0.00	39.84 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA_GT_12 24226	38.40 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.88 0.00	39.55 1.25 -3.70	52.48 2.33 -12.54	61.79 2.69 -20.09	45.69 2.33 -7.37	31.98 1.67 0.00	37.35 2.00 0.00	39.46 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.88 0.00	39.84 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA_GT_13 24227	38.40 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.88 0.00	39.55 1.25 -3.70	52.48 2.33 -12.54	61.79 2.69 -20.09	45.69 2.33 -7.37	31.98 1.67 0.00	37.35 2.00 0.00	39.46 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.88 0.00	39.84 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA_GT_5 24106	38.36 0.88 0.00	32.88 0.88 0.00	32.17 0.78 0.00	31.10 0.74 0.01	34.33 0.88 0.00	39.56 1.26 -3.70	52.54 2.39 -12.54	61.80 2.71 -20.09	45.67 2.30 -7.37	31.95 1.65 0.00	37.36 2.00 0.00	39.43 2.35 0.00	41.79 2.60 0.00	42.92 2.67 0.00	41.63 2.72 0.00	39.74 2.91 0.00	37.24 3.21 0.00	39.44 3.53 0.00	37.90 3.25 0.00	39.95 3.03 0.00	42.24 2.96 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.60 1.70 0.00
ASTORIA_GT_7 24107	38.36 0.88 0.00	32.88 0.88 0.00	32.17 0.78 0.00	31.10 0.74 0.01	34.33 0.88 0.00	39.56 1.26 -3.70	52.54 2.39 -12.54	61.80 2.71 -20.09	45.67 2.30 -7.37	31.95 1.65 0.00	37.36 2.00 0.00	39.43 2.35 0.00	41.79 2.60 0.00	42.92 2.67 0.00	41.63 2.72 0.00	39.74 2.91 0.00	37.24 3.21 0.00	39.44 3.53 0.00	37.90 3.25 0.00	39.95 3.03 0.00	42.24 2.96 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.60 1.70 0.00
ASTORIA_GT_8 24108	38.36 0.89 0.00	32.88 0.88 0.00	32.17 0.78 0.00	31.11 0.74 0.00	34.35 0.89 0.00	39.56 1.26 -3.70	52.55 2.40 -12.54	61.82 2.73 -20.09	45.68 2.31 -7.37	31.97 1.66 0.00	37.36 2.01 0.00	39.42 2.35 0.00	41.78 2.60 0.00	42.92 2.67 0.00	41.63 2.72 0.00	39.74 2.91 0.00	37.25 3.21 0.00	39.44 3.52 0.00	37.90 3.25 0.00	39.95 3.04 0.00	42.24 2.96 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.61 1.70 0.00
ASTORIA___2 24149	38.30 0.82 0.00	32.83 0.82 0.00	32.12 0.73 0.00	31.05 0.69 0.01	34.27 0.82 0.00	39.50 1.20 -3.70	52.47 2.32 -12.54	61.72 2.63 -20.09	45.58 2.22 -7.37	31.89 1.58 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.87 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.53 2.17 0.00	31.55 1.64 0.00
ASTORIA___3 23516	38.39 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.87 0.00	39.55 1.25 -3.70	52.47 2.33 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.35 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.79 2.88 0.00	39.83 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA___4 23517	38.40 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.88 0.00	39.55 1.25 -3.70	52.48 2.33 -12.54	61.79 2.69 -20.09	45.69 2.33 -7.37	31.98 1.67 0.00	37.35 2.00 0.00	39.46 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.88 0.00	39.84 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
ASTORIA___5 23518	38.39 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.87 0.00	39.55 1.25 -3.70	52.47 2.33 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.35 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.78 2.87 0.00	39.83 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.11 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
AST_ENERGY_2_CC3 323677	38.31 0.84 0.00	32.79 0.79 0.00	32.13 0.73 0.00	31.01 0.65 0.00	34.24 0.78 0.00	39.44 1.14 -3.70	52.36 2.22 -12.54	61.68 2.58 -20.09	45.56 2.20 -7.37	31.89 1.58 0.00	37.24 1.89 0.00	39.35 2.28 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.61 2.71 0.00	39.68 2.84 0.00	37.17 3.14 0.00	39.36 3.45 0.00	37.84 3.19 0.00	39.88 2.96 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.55 2.18 0.00	31.61 1.71 0.00
AST_ENERGY_2_CC4 323678	38.31 0.84 0.00	32.79 0.79 0.00	32.13 0.73 0.00	31.01 0.65 0.00	34.24 0.78 0.00	39.44 1.14 -3.70	52.36 2.22 -12.54	61.68 2.58 -20.09	45.56 2.20 -7.37	31.89 1.58 0.00	37.24 1.89 0.00	39.35 2.28 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.61 2.71 0.00	39.68 2.84 0.00	37.17 3.14 0.00	39.36 3.45 0.00	37.84 3.19 0.00	39.88 2.96 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.55 2.18 0.00	31.61 1.71 0.00
ATHENS_STG_1 23668	38.14 0.66 0.00	32.63 0.63 0.00	31.97 0.58 0.00	30.90 0.53 0.00	34.08 0.63 0.00	35.47 0.87 0.00	38.99 1.39 0.00	46.89 1.54 -6.34	37.27 1.29 0.00	31.17 0.86 0.00	36.48 1.12 0.00	38.34 1.26 0.00	40.57 1.39 0.00	41.71 1.46 0.00	40.40 1.49 0.00	38.40 1.56 0.00	35.75 1.71 0.00	37.89 1.98 0.00	36.53 1.87 0.00	38.71 1.79 0.00	41.04 1.76 0.00	38.36 1.64 0.00	33.70 1.33 0.00	30.97 1.06 0.00
ATHENS_STG_2 23670	38.14 0.66 0.00	32.63 0.63 0.00	31.97 0.58 0.00	30.90 0.53 0.00	34.08 0.63 0.00	35.47 0.87 0.00	38.99 1.39 0.00	46.89 1.54 -6.34	37.27 1.29 0.00	31.17 0.86 0.00	36.48 1.12 0.00	38.34 1.26 0.00	40.57 1.39 0.00	41.71 1.46 0.00	40.40 1.49 0.00	38.40 1.56 0.00	35.75 1.71 0.00	37.89 1.98 0.00	36.53 1.87 0.00	38.71 1.79 0.00	41.04 1.76 0.00	38.36 1.64 0.00	33.70 1.33 0.00	30.97 1.06 0.00



ATHENS_STG_3 23677	38.14 0.66 0.00	32.63 0.63 0.00	31.97 0.58 0.00	30.90 0.53 0.00	34.08 0.63 0.00	35.47 0.87 0.00	38.99 1.39 0.00	46.89 1.54 -6.34	37.27 1.29 0.00	31.17 0.86 0.00	36.48 1.12 0.00	38.34 1.26 0.00	40.57 1.39 0.00	41.71 1.46 0.00	40.40 1.49 0.00	38.40 1.56 0.00	35.75 1.71 0.00	37.89 1.98 0.00	36.53 1.87 0.00	38.71 1.79 0.00	41.04 1.76 0.00	38.36 1.64 0.00	33.70 1.33 0.00	30.97 1.06 0.00
AUBURN____LFGE 323710	37.47 -0.01 0.00	31.87 -0.13 0.00	31.24 -0.15 0.00	30.25 -0.12 0.00	33.47 0.02 0.00	34.72 0.12 0.00	38.12 0.52 0.00	40.78 0.44 -1.34	36.62 0.63 0.00	30.75 0.45 0.00	35.80 0.44 0.00	37.73 0.65 0.00	39.66 0.47 0.00	40.72 0.47 0.00	39.38 0.48 0.00	37.29 0.45 0.00	34.65 0.61 0.00	36.68 0.77 0.00	35.21 0.56 0.00	37.47 0.56 0.00	39.61 0.33 0.00	36.98 0.27 0.00	32.53 0.16 0.00	30.09 0.19 0.00
BABYLON_RES_REC 323704	39.59 2.11 0.00	33.70 1.69 0.00	33.08 1.69 0.00	31.89 1.53 0.00	35.31 1.85 0.00	45.67 2.50 -8.56	53.76 3.61 -12.54	62.95 3.85 -20.10	46.67 3.31 -7.38	32.78 2.47 0.00	38.30 2.94 0.00	40.45 3.38 0.00	42.47 3.28 0.00	43.50 3.25 0.00	42.14 3.24 0.00	40.45 3.62 0.00	38.00 3.95 0.00	39.99 4.08 0.00	38.32 3.66 0.00	40.47 3.55 0.00	43.03 3.75 0.00	40.42 3.70 0.00	35.73 3.36 0.00	32.68 2.78 0.00
BABYLON__69_KV_BK2 356345	40.07 2.59 0.00	34.07 2.07 0.00	33.46 2.06 0.00	32.26 1.90 0.00	35.73 2.27 0.00	46.24 2.99 -8.65	54.28 4.13 -12.54	63.48 4.39 -20.10	47.17 3.81 -7.38	33.17 2.86 0.00	38.71 3.36 0.00	40.91 3.83 0.00	43.11 3.92 0.00	44.28 4.03 0.00	42.91 4.01 0.00	41.29 4.45 0.00	38.84 4.80 0.00	41.03 5.11 0.00	39.28 4.63 0.00	41.49 4.57 0.00	43.97 4.69 0.00	41.22 4.51 0.00	36.19 3.83 0.00	33.09 3.18 0.00
BALL_HILL_WT_PWR 323825	21.63 0.15 16.00	29.06 -0.39 2.55	29.04 0.06 2.42	27.46 0.07 2.97	29.62 0.21 4.04	29.36 0.03 5.27	36.84 0.11 0.87	40.73 -0.06 -1.79	27.59 0.75 9.15	28.75 0.72 2.27	35.92 0.56 0.00	37.67 0.59 0.00	39.78 0.59 0.00	40.85 0.60 0.00	39.42 0.51 0.00	37.04 0.20 0.00	34.44 0.40 0.00	36.57 0.66 0.00	34.77 0.12 1.02	36.23 0.33 1.86	37.22 -0.20 0.54	36.02 -0.15 0.00	29.16 0.04 3.24	28.83 0.48 1.56
BARON_WINDS____WT_PWR 323822	43.05 -0.28 -5.85	32.42 -0.52 -0.93	32.10 -0.17 -0.88	31.32 -0.13 -1.09	34.91 -0.02 -1.48	36.49 -0.04 -1.93	38.19 0.27 -0.32	41.44 0.24 -2.20	40.25 0.91 -3.35	31.94 0.79 -0.83	36.12 0.76 0.00	37.97 0.90 0.00	40.08 0.89 0.00	41.15 0.89 0.00	39.79 0.88 0.00	37.53 0.70 0.00	34.92 0.88 0.00	37.06 1.14 0.00	35.41 0.75 0.00	38.13 0.85 -0.37	40.36 0.40 -0.68	37.34 0.43 -0.20	33.91 0.36 -1.19	31.07 0.59 -0.57
BARRETT_IC_1 23704	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_10 23701	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_11 23702	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_12 23703	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_2 23705	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_3 23706	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_4 23707	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_5 23708	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_6 23709	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00



BARRETT_IC_7 23710	39.20 1.72 0.00	33.42 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.96 1.51 0.00	45.71 2.11 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.16 2.80 -7.38	32.39 2.08 0.00	37.94 2.58 0.00	40.07 3.00 0.00	42.29 3.11 0.00	43.45 3.21 0.00	42.13 3.23 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.55 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_8 23711	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT_IC_9 23700	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT___1 23545	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BARRETT___2 23546	39.20 1.72 0.00	33.41 1.41 0.00	32.76 1.37 0.00	31.61 1.24 0.00	34.95 1.50 0.00	45.67 2.08 -8.99	53.22 3.07 -12.54	62.31 3.21 -20.10	46.14 2.78 -7.38	32.38 2.08 0.00	37.94 2.58 0.00	40.08 3.01 0.00	42.30 3.11 0.00	43.46 3.21 0.00	42.14 3.24 0.00	40.39 3.55 0.00	37.77 3.73 0.00	39.79 3.88 0.00	38.18 3.53 0.00	40.47 3.56 0.00	42.94 3.66 0.00	40.26 3.54 0.00	35.31 2.95 0.00	32.32 2.42 0.00
BATAVIA___115KV_TB1 55881	37.95 0.47 0.00	31.96 -0.05 0.00	31.69 0.30 0.00	30.70 0.33 0.00	33.90 0.45 0.00	34.89 0.29 0.00	38.04 0.43 0.00	40.84 0.23 -1.61	36.96 0.97 0.00	31.27 0.97 0.00	36.26 0.90 0.00	37.82 0.75 0.00	39.89 0.70 0.00	41.03 0.78 0.00	39.60 0.70 0.00	37.25 0.41 0.00	34.66 0.63 0.00	36.77 0.86 0.00	34.93 0.28 0.00	37.51 0.59 0.00	39.42 0.14 0.00	36.77 0.06 0.00	32.57 0.21 0.00	30.55 0.64 0.00
BAYONEEC___CTG1 323682	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG10 323750	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG2 323683	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG3 323684	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG4 323685	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG5 323686	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG6 323687	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG7 323688	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BAYONEEC___CTG8 323689	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00



BAYONEEC___CTG9 323749	38.37 0.90 0.00	32.83 0.83 0.00	32.17 0.78 0.00	31.06 0.69 0.00	34.30 0.84 0.00	39.51 1.21 -3.70	52.44 2.30 -12.54	61.75 2.66 -20.09	45.62 2.26 -7.37	31.94 1.63 0.00	37.29 1.93 0.00	39.41 2.34 0.00	41.75 2.56 0.00	42.94 2.69 0.00	41.66 2.76 0.00	39.73 2.89 0.00	37.20 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.91 3.00 0.00	42.22 2.93 0.00	39.45 2.74 0.00	34.58 2.22 0.00	31.63 1.73 0.00
BEACON___LESR 323632	38.24 0.76 0.00	32.62 0.62 0.00	32.07 0.67 0.00	30.99 0.62 0.00	34.11 0.66 0.00	17.89 0.82 17.54	-20.66 1.20 59.46	-10.79 1.19 50.99	1.98 0.95 34.96	30.96 0.65 0.00	36.24 0.89 0.00	38.12 1.04 0.00	40.34 1.15 0.00	41.45 1.20 0.00	40.12 1.22 0.00	38.15 1.32 0.00	35.48 1.45 0.00	37.65 1.74 0.00	36.25 1.60 0.00	38.48 1.57 0.00	40.72 1.44 0.00	38.05 1.34 0.00	33.37 1.01 0.00	30.76 0.85 0.00
BEAVER RIVER___HYD 24048	37.74 0.27 0.00	32.19 0.18 0.00	31.58 0.19 0.00	30.58 0.22 0.00	33.74 0.28 0.00	34.92 0.31 0.00	38.10 0.49 0.00	40.04 0.61 -0.42	36.63 0.64 0.00	30.92 0.61 0.00	36.08 0.72 0.00	37.81 0.73 0.00	39.88 0.70 0.00	40.97 0.72 0.00	39.61 0.70 0.00	37.30 0.47 0.00	34.56 0.52 0.00	36.38 0.47 0.00	35.15 0.50 0.00	37.47 0.56 0.00	39.88 0.59 0.00	37.28 0.57 0.00	32.77 0.41 0.00	30.19 0.29 0.00
BEEBEE_GT_13 23619	37.22 -0.26 0.00	31.48 -0.52 0.00	31.09 -0.30 0.00	30.10 -0.27 0.00	33.22 -0.24 0.00	34.24 -0.36 0.00	37.35 -0.25 0.00	39.96 -0.36 -1.32	36.16 0.17 0.00	30.55 0.24 0.00	35.51 0.15 0.00	37.14 0.07 0.00	39.20 0.01 0.00	40.26 0.01 0.00	38.87 -0.04 0.00	36.64 -0.19 0.00	34.06 0.02 0.00	36.09 0.18 0.00	34.42 -0.23 0.00	36.84 -0.07 0.00	38.88 -0.41 0.00	36.26 -0.45 0.00	32.07 -0.29 0.00	29.89 -0.02 0.00
BENSHRST_27_KV_BENSHRST_1 355998	38.74 1.26 0.00	33.15 1.15 0.00	32.46 1.06 0.00	31.30 0.93 0.00	34.55 1.10 0.00	39.81 1.51 -3.70	52.78 2.64 -12.54	62.14 3.04 -20.09	45.99 2.63 -7.37	32.22 1.91 0.00	37.62 2.26 0.00	39.79 2.72 0.00	42.16 2.98 0.00	43.35 3.10 0.00	42.07 3.16 0.00	40.10 3.27 0.00	37.58 3.55 0.00	39.81 3.90 0.00	38.32 3.67 0.00	40.39 3.47 0.00	42.72 3.43 0.00	39.92 3.21 0.00	34.98 2.61 0.00	31.98 2.07 0.00
BETHLEHEM___GRP 23843	37.56 0.08 0.00	32.16 0.15 0.00	31.49 0.09 0.00	30.43 0.06 0.00	33.55 0.10 0.00	19.32 0.22 15.50	-14.50 0.45 52.55	-3.97 0.58 43.56	5.42 0.34 30.90	30.33 0.02 0.00	35.60 0.24 0.00	37.39 0.32 0.00	39.55 0.36 0.00	40.65 0.40 0.00	39.36 0.45 0.00	37.38 0.55 0.00	34.82 0.79 0.00	36.83 0.92 0.00	35.49 0.84 0.00	37.63 0.71 0.00	39.91 0.62 0.00	37.28 0.57 0.00	32.81 0.45 0.00	30.21 0.31 0.00
BETHLEHEM___GS1 323560	37.55 0.08 0.00	32.16 0.15 0.00	31.49 0.10 0.00	30.43 0.06 0.00	33.54 0.08 0.00	19.32 0.22 15.50	-14.51 0.44 52.55	-4.04 0.52 43.56	5.37 0.29 30.90	30.33 0.02 0.00	35.60 0.24 0.00	37.39 0.32 0.00	39.55 0.36 0.00	40.65 0.40 0.00	39.36 0.45 0.00	37.38 0.55 0.00	34.82 0.79 0.00	36.83 0.92 0.00	35.49 0.84 0.00	37.63 0.72 0.00	39.90 0.62 0.00	37.28 0.57 0.00	32.81 0.45 0.00	30.21 0.31 0.00
BETHLEHEM___GS2 323561	37.55 0.08 0.00	32.16 0.15 0.00	31.49 0.10 0.00	30.43 0.06 0.00	33.54 0.08 0.00	19.32 0.22 15.50	-14.51 0.44 52.55	-4.04 0.52 43.56	5.37 0.29 30.90	30.33 0.02 0.00	35.60 0.24 0.00	37.39 0.32 0.00	39.55 0.36 0.00	40.65 0.40 0.00	39.36 0.45 0.00	37.38 0.55 0.00	34.82 0.79 0.00	36.83 0.92 0.00	35.49 0.84 0.00	37.63 0.72 0.00	39.90 0.62 0.00	37.28 0.57 0.00	32.81 0.45 0.00	30.21 0.31 0.00
BETHLEHEM___GS3 323562	37.55 0.08 0.00	32.16 0.15 0.00	31.49 0.10 0.00	30.43 0.06 0.00	33.54 0.08 0.00	19.32 0.22 15.50	-14.51 0.44 52.55	-4.04 0.52 43.56	5.37 0.29 30.90	30.33 0.02 0.00	35.60 0.24 0.00	37.39 0.32 0.00	39.55 0.36 0.00	40.65 0.40 0.00	39.36 0.45 0.00	37.38 0.55 0.00	34.82 0.79 0.00	36.83 0.92 0.00	35.49 0.84 0.00	37.63 0.72 0.00	39.90 0.62 0.00	37.28 0.57 0.00	32.81 0.45 0.00	30.21 0.31 0.00
BETHLEHEM___STEEL 23779	37.75 0.27 0.00	31.78 -0.23 0.00	31.57 0.18 0.00	30.57 0.20 0.00	33.76 0.31 0.00	34.69 0.09 0.00	37.69 0.09 0.00	40.53 -0.23 -1.76	36.69 0.70 0.00	31.01 0.70 0.00	35.91 0.55 0.00	37.56 0.49 0.00	39.67 0.48 0.00	40.74 0.49 0.00	39.30 0.39 0.00	36.90 0.07 0.00	34.30 0.27 0.00	36.41 0.50 0.00	34.56 -0.09 0.00	37.15 0.23 0.00	39.04 -0.25 0.00	36.48 -0.23 0.00	32.40 0.04 0.00	30.43 0.53 0.00
BETHLHEM_115KV_TB1 79974	37.67 0.19 0.00	32.25 0.24 0.00	31.58 0.19 0.00	30.52 0.15 0.00	33.65 0.19 0.00	20.58 0.33 14.35	-10.51 0.54 48.66	-0.01 0.67 39.68	7.82 0.45 28.61	30.44 0.13 0.00	35.70 0.35 0.00	37.52 0.44 0.00	39.68 0.49 0.00	40.78 0.53 0.00	39.47 0.57 0.00	37.49 0.65 0.00	34.92 0.88 0.00	36.94 1.03 0.00	35.59 0.94 0.00	37.75 0.83 0.00	40.03 0.75 0.00	37.40 0.69 0.00	32.90 0.54 0.00	30.30 0.39 0.00
BETHPAGE_CC_5 323564	39.31 1.84 0.00	33.49 1.48 0.00	32.84 1.45 0.00	31.68 1.32 0.00	35.06 1.60 0.00	45.20 2.21 -8.39	53.45 3.30 -12.54	62.60 3.50 -20.10	46.33 2.96 -7.38	32.55 2.24 0.00	38.05 2.70 0.00	40.21 3.13 0.00	42.40 3.21 0.00	43.54 3.29 0.00	42.22 3.32 0.00	40.52 3.69 0.00	38.07 4.03 0.00	40.18 4.27 0.00	38.51 3.85 0.00	40.68 3.77 0.00	43.10 3.82 0.00	40.39 3.68 0.00	35.45 3.09 0.00	32.45 2.54 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	37.99 0.52 0.00	31.98 -0.03 0.00	31.78 0.39 0.00	30.76 0.39 0.00	33.97 0.52 0.00	34.92 0.32 0.00	37.94 0.33 0.00	40.82 0.05 -1.77	36.97 0.98 0.00	31.23 0.92 0.00	36.16 0.80 0.00	37.83 0.76 0.00	39.96 0.77 0.00	41.05 0.80 0.00	39.58 0.67 0.00	37.18 0.35 0.00	34.57 0.53 0.00	36.69 0.78 0.00	34.84 0.19 0.00	37.44 0.53 0.00	39.34 0.06 0.00	36.76 0.05 0.00	32.64 0.28 0.00	30.64 0.73 0.00
BINGHAMTON___COGEN 23790	37.43 -0.05 0.00	31.83 -0.18 0.00	31.32 -0.07 0.00	30.30 -0.07 0.00	33.45 -0.01 0.00	34.69 0.09 0.00	38.06 0.46 0.00	42.54 0.50 -3.04	36.72 0.73 0.00	30.83 0.53 0.00	35.93 0.57 0.00	37.78 0.71 0.00	39.93 0.74 0.00	41.02 0.77 0.00	39.69 0.78 0.00	37.59 0.75 0.00	34.95 0.91 0.00	37.03 1.12 0.00	35.56 0.91 0.00	37.80 0.89 0.00	39.93 0.65 0.00	37.33 0.62 0.00	32.80 0.44 0.00	30.32 0.41 0.00
BIXINCNT_115KV_LOAD 355685	38.75 1.27 0.00	32.61 0.60 0.00	32.49 1.10 0.00	31.47 1.10 0.00	34.77 1.31 0.00	35.72 1.12 0.00	38.90 1.30 0.00	41.98 1.17 -1.81	38.05 2.06 0.00	32.04 1.73 0.00	37.07 1.71 0.00	38.90 1.82 0.00	41.07 1.88 0.00	42.20 1.95 0.00	40.69 1.79 0.00	38.25 1.42 0.00	35.59 1.55 0.00	37.79 1.88 0.00	35.91 1.26 0.00	38.51 1.60 0.00	40.48 1.20 0.00	37.84 1.13 0.00	33.60 1.24 0.00	31.43 1.53 0.00



BLACK RIVER___HYD 24047	37.52 0.04 0.00	31.95 -0.06 0.00	31.34 -0.05 0.00	30.35 -0.02 0.00	33.52 0.07 0.00	34.77 0.17 0.00	38.12 0.51 0.00	40.28 0.66 -0.62	36.70 0.71 0.00	30.96 0.66 0.00	36.08 0.72 0.00	37.84 0.76 0.00	39.92 0.73 0.00	41.02 0.77 0.00	39.66 0.75 0.00	37.40 0.56 0.00	34.76 0.72 0.00	36.69 0.77 0.00	35.32 0.67 0.00	37.64 0.72 0.00	39.98 0.69 0.00	37.29 0.58 0.00	32.70 0.34 0.00	30.09 0.18 0.00
BLACKRVR_115KV_TB2 79977	37.51 0.04 0.00	31.95 -0.06 0.00	31.34 -0.05 0.00	30.35 -0.02 0.00	33.52 0.07 0.00	34.77 0.17 0.00	38.12 0.51 0.00	40.27 0.65 -0.62	36.70 0.71 0.00	30.96 0.66 0.00	36.08 0.72 0.00	37.84 0.76 0.00	39.92 0.73 0.00	41.02 0.77 0.00	39.66 0.75 0.00	37.40 0.56 0.00	34.75 0.72 0.00	36.69 0.77 0.00	35.33 0.67 0.00	37.64 0.72 0.00	39.98 0.69 0.00	37.29 0.58 0.00	32.70 0.34 0.00	30.09 0.18 0.00
BLISS_WT_PWR 323608	21.55 1.30 17.23	29.84 0.58 2.75	29.90 1.11 2.60	28.30 1.13 3.20	30.47 1.37 4.36	30.08 1.15 5.68	37.98 1.32 0.94	42.16 1.35 -1.81	28.26 2.12 9.86	29.67 1.81 2.45	37.13 1.77 0.00	38.96 1.89 0.00	41.14 1.95 0.00	42.27 2.02 0.00	40.75 1.84 0.00	38.31 1.48 0.00	35.65 1.62 0.00	37.86 1.95 0.00	35.98 1.33 0.00	37.48 1.66 1.09	38.54 1.26 2.00	37.31 1.18 0.58	30.15 1.28 3.49	29.80 1.57 1.68
BLUESTONE___WT_PWR 323821	41.30 -0.10 -3.93	32.15 -0.48 -0.63	31.65 -0.34 -0.59	30.77 -0.33 -0.73	34.65 0.21 -0.99	36.39 0.49 -1.30	39.46 1.65 -0.21	44.91 1.99 -3.92	40.86 2.63 -2.25	33.07 2.20 -0.56	37.77 2.41 0.00	39.49 2.41 0.00	41.98 2.79 0.00	43.43 3.18 0.00	42.19 3.28 0.00	40.01 3.18 0.00	37.32 3.29 0.00	39.59 3.68 0.00	37.93 3.28 0.00	40.60 3.44 -0.25	43.09 3.35 -0.46	39.88 3.03 -0.13	35.60 2.45 -0.80	32.44 2.15 -0.38
BLUE_CIRC_CHEM_DRP 24182	38.25 0.78 0.00	32.75 0.75 0.00	32.09 0.70 0.00	31.01 0.65 0.00	34.19 0.73 0.00	25.50 0.86 9.96	4.84 1.01 33.77	14.96 1.10 25.14	17.02 0.89 19.86	30.85 0.55 0.00	36.16 0.81 0.00	37.97 0.90 0.00	40.14 0.95 0.00	41.23 0.97 0.00	39.93 1.02 0.00	37.91 1.08 0.00	35.25 1.21 0.00	37.30 1.39 0.00	35.95 1.30 0.00	38.21 1.29 0.00	40.54 1.26 0.00	37.87 1.16 0.00	33.32 0.95 0.00	30.70 0.79 0.00
BOC_GAS_DRP 24189	37.94 0.46 0.00	32.47 0.47 0.00	31.80 0.41 0.00	30.74 0.38 0.00	33.89 0.44 0.00	27.22 0.59 7.97	11.35 0.77 27.02	21.75 0.88 18.13	20.80 0.70 15.88	30.70 0.39 0.00	35.97 0.62 0.00	37.79 0.72 0.00	39.97 0.78 0.00	41.07 0.82 0.00	39.77 0.86 0.00	37.76 0.93 0.00	35.11 1.08 0.00	37.16 1.25 0.00	35.82 1.17 0.00	38.03 1.11 0.00	40.33 1.05 0.00	37.68 0.97 0.00	33.14 0.78 0.00	30.50 0.60 0.00
BOONVILLE_115KV_TB1 79983	38.19 0.71 0.00	32.56 0.55 0.00	31.96 0.56 0.00	30.93 0.57 0.00	34.14 0.69 0.00	35.39 0.79 0.00	38.72 1.12 0.00	40.24 1.24 0.00	37.24 1.25 0.00	31.41 1.10 0.00	36.62 1.26 0.00	38.38 1.31 0.00	40.51 1.32 0.00	41.59 1.33 0.00	40.20 1.29 0.00	38.04 1.20 0.00	35.30 1.26 0.00	37.22 1.31 0.00	35.89 1.23 0.00	38.20 1.29 0.00	40.57 1.28 0.00	37.87 1.16 0.00	33.29 0.92 0.00	30.66 0.76 0.00
BORALEX_4TH_BRANCH 23824	39.27 1.80 0.00	33.71 1.71 0.00	32.97 1.58 0.00	31.85 1.48 0.00	35.09 1.63 0.00	120.33 1.65 -84.07	325.97 3.36 -285.01	375.76 3.49 -333.27	206.69 3.12 -167.59	32.52 2.21 0.00	38.20 2.84 0.00	40.12 3.04 0.00	42.51 3.32 0.00	43.74 3.49 0.00	42.33 3.43 0.00	40.23 3.40 0.00	37.26 3.22 0.00	39.24 3.33 0.00	37.80 3.15 0.00	40.03 3.12 0.00	42.83 3.55 0.00	40.10 3.39 0.00	35.19 2.83 0.00	32.37 2.46 0.00
BOWLINE___1 23526	38.11 0.63 0.00	32.63 0.62 0.00	31.95 0.55 0.00	30.86 0.49 0.00	34.10 0.65 0.00	39.01 1.00 -3.41	51.19 2.03 -11.56	60.06 2.29 -18.78	44.69 1.91 -6.80	31.57 1.27 0.00	36.85 1.49 0.00	38.94 1.86 0.00	41.25 2.06 0.00	42.42 2.17 0.00	41.11 2.21 0.00	39.14 2.31 0.00	36.66 2.62 0.00	38.83 2.92 0.00	37.34 2.69 0.00	39.39 2.47 0.00	41.68 2.40 0.00	38.94 2.23 0.00	34.15 1.79 0.00	31.29 1.38 0.00
BOWLINE___2 23595	38.11 0.63 0.00	32.63 0.62 0.00	31.95 0.55 0.00	30.86 0.49 0.00	34.10 0.65 0.00	39.01 1.00 -3.41	51.18 2.01 -11.56	60.06 2.28 -18.78	44.69 1.90 -6.80	31.55 1.24 0.00	36.82 1.46 0.00	38.90 1.83 0.00	41.21 2.02 0.00	42.38 2.13 0.00	41.07 2.17 0.00	39.11 2.27 0.00	36.62 2.59 0.00	38.79 2.88 0.00	37.31 2.65 0.00	39.35 2.44 0.00	41.64 2.36 0.00	38.91 2.20 0.00	34.14 1.77 0.00	31.28 1.37 0.00
BRADY___115KV_TB2 356060	38.94 1.46 0.00	33.41 1.41 0.00	32.78 1.39 0.00	31.74 1.37 0.00	34.90 1.45 0.00	35.78 1.18 0.00	38.42 0.81 0.00	39.83 0.83 0.00	36.64 0.66 0.00	31.04 0.74 0.00	36.26 0.90 0.00	37.86 0.78 0.00	40.03 0.84 0.00	41.18 0.93 0.00	39.68 0.77 0.00	37.22 0.39 0.00	34.06 0.03 0.00	35.54 -0.37 0.00	34.75 0.10 0.00	37.29 0.37 0.00	39.91 0.63 0.00	37.44 0.73 0.00	33.15 0.79 0.00	30.71 0.81 0.00
BRANSCOMB___SOLAR 323811	38.76 1.28 0.00	33.19 1.18 0.00	32.54 1.15 0.00	31.45 1.08 0.00	34.69 1.24 0.00	99.24 1.49 -63.15	254.26 2.58 -214.07	299.81 2.70 -258.11	164.19 2.32 -125.88	31.93 1.62 0.00	37.37 2.01 0.00	39.15 2.07 0.00	41.31 2.13 0.00	42.47 2.22 0.00	41.05 2.15 0.00	39.01 2.17 0.00	36.32 2.28 0.00	38.35 2.44 0.00	36.94 2.29 0.00	39.14 2.22 0.00	41.53 2.24 0.00	38.86 2.15 0.00	34.10 1.73 0.00	31.35 1.44 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	39.95 2.47 0.00	33.98 1.98 0.00	33.37 1.99 0.00	32.19 1.83 0.00	35.64 2.19 0.00	46.26 2.89 -8.77	54.11 3.97 -12.54	63.31 4.21 -20.10	47.01 3.64 -7.38	33.06 2.75 0.00	38.59 3.24 0.00	40.78 3.70 0.00	42.94 3.75 0.00	44.12 3.87 0.00	42.77 3.86 0.00	41.17 4.33 0.00	38.70 4.66 0.00	40.84 4.93 0.00	39.11 4.46 0.00	41.28 4.37 0.00	43.76 4.47 0.00	41.04 4.33 0.00	36.03 3.67 0.00	32.97 3.06 0.00
BRISTLHL_115KV_TB1 79998	36.56 -0.91 0.00	31.13 -0.87 0.00	30.56 -0.83 0.00	29.59 -0.77 0.00	32.62 -0.84 0.00	33.75 -0.85 0.00	36.92 -0.69 0.00	39.31 -0.70 -1.01	35.46 -0.53 0.00	29.84 -0.47 0.00	34.77 -0.58 0.00	36.47 -0.60 0.00	38.50 -0.69 0.00	39.51 -0.74 0.00	38.19 -0.72 0.00	36.17 -0.66 0.00	33.60 -0.43 0.00	35.54 -0.37 0.00	34.18 -0.48 0.00	36.37 -0.55 0.00	38.53 -0.76 0.00	35.95 -0.76 0.00	31.64 -0.72 0.00	29.25 -0.66 0.00
BROOKHAVEN___DRP 24191	40.00 2.53 0.00	34.01 2.00 0.00	33.39 2.00 0.00	32.22 1.85 0.00	35.69 2.23 0.00	46.38 2.96 -8.81	54.26 4.11 -12.54	63.48 4.38 -20.10	47.12 3.76 -7.38	33.08 2.77 0.00	38.60 3.25 0.00	40.80 3.73 0.00	43.10 3.91 0.00	44.30 4.05 0.00	42.98 4.08 0.00	41.38 4.54 0.00	38.91 4.87 0.00	41.11 5.19 0.00	39.36 4.70 0.00	41.54 4.63 0.00	43.99 4.70 0.00	41.26 4.55 0.00	36.17 3.81 0.00	33.06 3.15 0.00



BROOKLYN_NAVY_YARD 23515	38.31 0.83 0.00	32.79 0.78 0.00	32.14 0.75 0.00	31.03 0.66 0.00	34.26 0.80 0.00	39.46 1.16 -3.70	52.40 2.26 -12.54	61.72 2.62 -20.09	45.59 2.23 -7.37	31.91 1.60 0.00	37.27 1.91 0.00	39.39 2.32 0.00	41.73 2.54 0.00	42.93 2.68 0.00	41.65 2.75 0.00	39.72 2.88 0.00	37.20 3.17 0.00	39.41 3.50 0.00	37.90 3.24 0.00	39.91 3.00 0.00	42.21 2.93 0.00	39.42 2.71 0.00	34.56 2.19 0.00	31.60 1.70 0.00
BROOKLYN___ARMY_DRP 323595	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
BROOKVLE_69_KV_TB1 55790	39.18 1.70 0.00	33.43 1.43 0.00	32.76 1.37 0.00	31.62 1.26 0.00	34.97 1.52 0.00	43.80 2.05 -7.15	53.30 3.15 -12.54	62.46 3.36 -20.10	46.26 2.90 -7.38	32.46 2.16 0.00	38.04 2.69 0.00	40.17 3.10 0.00	42.47 3.28 0.00	43.61 3.36 0.00	42.30 3.39 0.00	40.49 3.65 0.00	37.92 3.88 0.00	40.07 4.15 0.00	38.44 3.78 0.00	40.60 3.69 0.00	42.99 3.71 0.00	40.21 3.50 0.00	35.25 2.89 0.00	32.26 2.35 0.00
BROOME_2_LFGE 323671	42.76 -0.05 -5.33	32.68 -0.18 -0.85	32.13 -0.07 -0.81	31.29 -0.07 -0.99	34.80 0.00 -1.35	36.45 0.08 -1.76	38.35 0.45 -0.29	42.55 0.51 -3.04	39.76 0.71 -3.05	31.60 0.53 -0.76	35.93 0.57 0.00	37.78 0.71 0.00	39.93 0.74 0.00	41.02 0.77 0.00	39.69 0.78 0.00	37.59 0.76 0.00	34.95 0.91 0.00	37.03 1.12 0.00	35.56 0.91 0.00	38.14 0.89 -0.34	40.55 0.65 -0.62	37.51 0.62 -0.18	33.88 0.44 -1.08	30.84 0.41 -0.52
BROOME___LFGE 323600	42.76 -0.05 -5.33	32.68 -0.18 -0.85	32.13 -0.07 -0.81	31.29 -0.07 -0.99	34.80 0.00 -1.35	36.45 0.08 -1.76	38.35 0.45 -0.29	42.55 0.51 -3.04	39.76 0.71 -3.05	31.60 0.53 -0.76	35.93 0.57 0.00	37.78 0.71 0.00	39.93 0.74 0.00	41.02 0.77 0.00	39.69 0.78 0.00	37.59 0.76 0.00	34.95 0.91 0.00	37.03 1.12 0.00	35.56 0.91 0.00	38.14 0.89 -0.34	40.55 0.65 -0.62	37.51 0.62 -0.18	33.88 0.44 -1.08	30.84 0.41 -0.52
BROWNFLS_115KV_TB_3_5 80003	37.88 0.41 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.45 0.00	34.88 0.27 0.00	37.70 0.10 0.00	39.16 0.16 0.00	36.12 0.14 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.81 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
BROWNSV1_27_KV_LOAD 356125	38.78 1.30 0.00	33.17 1.16 0.00	32.49 1.10 0.00	31.36 1.00 0.00	34.64 1.19 0.00	39.86 1.56 -3.70	52.88 2.73 -12.54	62.22 3.13 -20.09	46.09 2.73 -7.37	32.31 2.00 0.00	37.75 2.39 0.00	39.88 2.81 0.00	42.25 3.06 0.00	43.45 3.20 0.00	42.16 3.25 0.00	40.20 3.36 0.00	37.67 3.63 0.00	39.90 3.99 0.00	38.36 3.70 0.00	40.42 3.51 0.00	42.75 3.46 0.00	39.91 3.20 0.00	34.98 2.62 0.00	32.00 2.10 0.00
BURROWS___LYONSDAL 23803	38.08 0.61 0.00	32.47 0.46 0.00	31.87 0.47 0.00	30.85 0.49 0.00	34.04 0.59 0.00	35.30 0.69 0.00	38.60 1.00 0.00	40.12 1.12 0.00	37.12 1.14 0.00	31.31 1.00 0.00	36.52 1.16 0.00	38.27 1.20 0.00	40.38 1.19 0.00	41.46 1.21 0.00	40.08 1.17 0.00	37.89 1.06 0.00	35.15 1.11 0.00	37.07 1.16 0.00	35.74 1.09 0.00	38.06 1.15 0.00	40.44 1.15 0.00	37.76 1.05 0.00	33.18 0.82 0.00	30.57 0.66 0.00
CAITHNESS_CC_1 323624	39.86 2.38 0.00	33.90 1.89 0.00	33.28 1.89 0.00	32.11 1.74 0.00	35.55 2.09 0.00	46.21 2.80 -8.82	54.07 3.92 -12.54	63.28 4.18 -20.10	46.94 3.58 -7.38	32.97 2.66 0.00	38.48 3.12 0.00	40.68 3.60 0.00	42.93 3.75 0.00	44.12 3.87 0.00	42.80 3.90 0.00	41.19 4.36 0.00	38.72 4.68 0.00	40.90 4.98 0.00	39.15 4.50 0.00	41.33 4.42 0.00	43.77 4.49 0.00	41.07 4.36 0.00	36.02 3.66 0.00	32.93 3.03 0.00
CALPINE BETH_PAGE_GT4 24209	39.14 1.66 0.00	33.35 1.34 0.00	32.71 1.31 0.00	31.55 1.18 0.00	34.91 1.46 0.00	44.87 2.07 -8.19	53.27 3.12 -12.54	62.43 3.33 -20.10	46.20 2.84 -7.38	32.41 2.10 0.00	37.90 2.54 0.00	40.04 2.97 0.00	42.24 3.05 0.00	43.37 3.12 0.00	42.06 3.15 0.00	40.36 3.52 0.00	37.91 3.87 0.00	40.02 4.10 0.00	38.37 3.72 0.00	40.53 3.62 0.00	42.94 3.66 0.00	40.23 3.52 0.00	35.30 2.94 0.00	32.31 2.41 0.00
CALPINE_BETH_PAGE_GT_4 323586	39.13 1.65 0.00	33.35 1.34 0.00	32.71 1.31 0.00	31.55 1.18 0.00	34.90 1.44 0.00	44.85 2.05 -8.19	53.26 3.12 -12.54	62.41 3.32 -20.10	46.18 2.82 -7.38	32.41 2.10 0.00	37.90 2.54 0.00	40.04 2.96 0.00	42.24 3.05 0.00	43.37 3.12 0.00	42.07 3.16 0.00	40.36 3.52 0.00	37.91 3.87 0.00	40.02 4.10 0.00	38.37 3.71 0.00	40.53 3.62 0.00	42.94 3.66 0.00	40.23 3.52 0.00	35.30 2.94 0.00	32.31 2.40 0.00
CALPINE_BP_GT1 23823	39.13 1.65 0.00	33.35 1.34 0.00	32.71 1.31 0.00	31.55 1.18 0.00	34.90 1.44 0.00	44.85 2.05 -8.19	53.26 3.12 -12.54	62.41 3.32 -20.10	46.18 2.82 -7.38	32.41 2.10 0.00	37.90 2.54 0.00	40.04 2.96 0.00	42.24 3.05 0.00	43.37 3.12 0.00	42.07 3.16 0.00	40.36 3.52 0.00	37.91 3.87 0.00	40.02 4.10 0.00	38.37 3.71 0.00	40.53 3.62 0.00	42.94 3.66 0.00	40.23 3.52 0.00	35.30 2.94 0.00	32.31 2.40 0.00
CALSPAN___DRP 24200	37.75 0.27 0.00	31.78 -0.23 0.00	31.57 0.18 0.00	30.57 0.20 0.00	33.76 0.31 0.00	34.69 0.09 0.00	37.69 0.09 0.00	40.53 -0.23 -1.76	36.69 0.70 0.00	31.01 0.70 0.00	35.91 0.55 0.00	37.56 0.49 0.00	39.67 0.48 0.00	40.74 0.49 0.00	39.30 0.39 0.00	36.90 0.07 0.00	34.30 0.27 0.00	36.41 0.50 0.00	34.56 -0.09 0.00	37.15 0.23 0.00	39.04 -0.25 0.00	36.48 -0.23 0.00	32.40 0.04 0.00	30.43 0.53 0.00
CALVERTON___SOLAR 323806	40.15 2.67 0.00	34.13 2.13 0.00	33.52 2.13 0.00	32.34 1.97 0.00	35.81 2.36 0.00	46.50 3.09 -8.81	54.44 4.29 -12.54	63.66 4.56 -20.10	47.27 3.90 -7.38	33.20 2.89 0.00	38.74 3.38 0.00	40.95 3.88 0.00	43.30 4.11 0.00	44.51 4.26 0.00	43.19 4.29 0.00	41.58 4.74 0.00	39.12 5.08 0.00	41.35 5.43 0.00	39.56 4.91 0.00	41.77 4.85 0.00	44.21 4.93 0.00	41.45 4.74 0.00	36.34 3.98 0.00	33.20 3.29 0.00
CANDIGU_WT_PWR 323617	43.05 -0.28 -5.85	32.42 -0.52 -0.93	32.10 -0.17 -0.88	31.32 -0.13 -1.09	34.91 -0.02 -1.48	36.49 -0.04 -1.93	38.19 0.27 -0.32	41.44 0.24 -2.20	40.25 0.91 -3.35	31.94 0.79 -0.83	36.12 0.76 0.00	37.97 0.90 0.00	40.08 0.89 0.00	41.15 0.89 0.00	39.79 0.88 0.00	37.53 0.70 0.00	34.92 0.88 0.00	37.06 1.14 0.00	35.41 0.75 0.00	38.13 0.85 -0.37	40.36 0.40 -0.68	37.34 0.43 -0.20	33.91 0.36 -1.19	31.07 0.59 -0.57



CARR STREET_E__SYR 24060	36.68 -0.79 0.00	31.26 -0.75 0.00	30.69 -0.70 0.00	29.70 -0.66 0.00	32.76 -0.69 0.00	33.87 -0.73 0.00	36.97 -0.64 0.00	39.46 -0.62 -1.08	35.55 -0.44 0.00	29.92 -0.38 0.00	34.87 -0.48 0.00	36.59 -0.49 0.00	38.64 -0.55 0.00	39.69 -0.56 0.00	38.38 -0.53 0.00	36.37 -0.47 0.00	33.77 -0.27 0.00	35.72 -0.19 0.00	34.32 -0.33 0.00	36.52 -0.39 0.00	38.67 -0.62 0.00	36.09 -0.62 0.00	31.75 -0.61 0.00	29.36 -0.55 0.00
CARTHAGE__PAPER 23857	37.98 0.51 0.00	32.37 0.36 0.00	31.77 0.37 0.00	30.76 0.39 0.00	33.95 0.50 0.00	35.16 0.56 0.00	38.44 0.84 0.00	40.51 0.96 -0.54	36.96 0.97 0.00	31.21 0.90 0.00	36.38 1.03 0.00	38.13 1.06 0.00	40.22 1.03 0.00	41.34 1.09 0.00	39.97 1.06 0.00	37.65 0.82 0.00	34.92 0.89 0.00	36.78 0.87 0.00	35.49 0.84 0.00	37.84 0.93 0.00	40.25 0.96 0.00	37.58 0.87 0.00	33.01 0.64 0.00	30.39 0.49 0.00
CASSADAGA_WT_PWR 323784	21.05 0.81 17.23	29.32 0.07 2.75	29.41 0.63 2.61	27.72 0.56 3.20	29.93 0.84 4.36	29.68 0.76 5.68	37.70 1.04 0.94	41.82 1.01 -1.81	27.93 1.80 9.86	29.45 1.59 2.45	36.93 1.57 0.00	38.78 1.71 0.00	40.95 1.76 0.00	42.08 1.83 0.00	40.59 1.68 0.00	38.14 1.31 0.00	35.50 1.47 0.00	37.74 1.83 0.00	35.90 1.25 0.00	37.25 1.43 1.09	38.15 0.86 2.00	36.94 0.81 0.58	29.68 0.81 3.49	29.34 1.12 1.68
CE_DUNWOOD__DRP 24194	38.43 0.96 0.00	32.90 0.89 0.00	32.22 0.82 0.00	31.10 0.74 0.00	34.36 0.90 0.00	39.55 1.26 -3.69	52.44 2.33 -12.51	61.69 2.64 -20.05	45.62 2.27 -7.36	31.93 1.62 0.00	37.31 1.96 0.00	39.40 2.32 0.00	41.72 2.53 0.00	42.91 2.66 0.00	41.61 2.70 0.00	39.65 2.82 0.00	37.13 3.10 0.00	39.33 3.42 0.00	37.82 3.16 0.00	39.90 2.98 0.00	42.21 2.92 0.00	39.42 2.71 0.00	34.57 2.20 0.00	31.65 1.75 0.00
CE_MILLWOOD__DRP 24193	38.39 0.91 0.00	32.85 0.85 0.00	32.18 0.79 0.00	31.07 0.71 0.00	34.32 0.87 0.00	39.50 1.22 -3.68	52.35 2.26 -12.49	61.59 2.57 -20.02	45.54 2.21 -7.34	31.87 1.56 0.00	37.25 1.89 0.00	39.33 2.25 0.00	41.65 2.46 0.00	42.85 2.59 0.00	41.54 2.63 0.00	39.58 2.74 0.00	37.06 3.03 0.00	39.25 3.34 0.00	37.75 3.09 0.00	39.82 2.91 0.00	42.13 2.85 0.00	39.36 2.65 0.00	34.51 2.15 0.00	31.60 1.70 0.00
CE_NYC2_DRP 24202	38.44 0.96 0.00	32.90 0.89 0.00	32.23 0.83 0.00	31.11 0.74 0.00	34.36 0.90 0.00	39.58 1.28 -3.70	52.51 2.36 -12.54	61.83 2.73 -20.09	45.72 2.36 -7.37	32.01 1.70 0.00	37.39 2.03 0.00	39.50 2.43 0.00	41.86 2.68 0.00	43.09 2.84 0.00	41.80 2.89 0.00	39.86 3.02 0.00	37.33 3.30 0.00	39.53 3.62 0.00	38.01 3.35 0.00	40.05 3.14 0.00	42.37 3.08 0.00	39.58 2.87 0.00	34.67 2.31 0.00	31.70 1.80 0.00
CE_NYC_DRP 24195	38.45 0.97 0.00	32.90 0.89 0.00	32.24 0.84 0.00	31.11 0.74 0.00	34.36 0.91 0.00	39.55 1.24 -3.70	52.49 2.35 -12.54	61.82 2.73 -20.09	45.69 2.33 -7.37	31.99 1.69 0.00	37.36 2.00 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.79 2.95 0.00	37.27 3.24 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.98 3.06 0.00	42.28 3.00 0.00	39.50 2.79 0.00	34.62 2.26 0.00	31.68 1.77 0.00
CHAFFEE__LFGE 323603	22.36 0.38 15.50	29.38 -0.15 2.48	29.30 0.25 2.34	27.74 0.26 2.88	29.94 0.40 3.92	29.67 0.18 5.11	36.90 0.14 0.84	40.78 0.00 -1.78	27.93 0.80 8.86	28.90 0.79 2.20	35.98 0.63 0.00	37.65 0.58 0.00	39.76 0.57 0.00	40.84 0.59 0.00	39.38 0.47 0.00	37.01 0.17 0.00	34.39 0.35 0.00	36.51 0.60 0.00	34.67 0.02 0.00	36.26 0.33 0.98	37.34 -0.14 1.80	36.04 -0.15 0.53	29.34 0.12 3.14	28.96 0.57 1.51
CHATEAUG_35_KV_LOAD 355732	39.77 2.29 0.00	33.99 1.99 0.00	33.31 1.92 0.00	32.22 1.85 0.00	35.35 1.90 0.00	36.30 1.70 0.00	38.86 1.25 0.00	40.48 1.49 0.00	37.15 1.16 0.00	31.49 1.18 0.00	36.53 1.18 0.00	38.27 1.20 0.00	40.46 1.27 0.00	41.53 1.27 0.00	40.04 1.13 0.00	37.83 1.00 0.00	34.76 0.73 0.00	36.56 0.64 0.00	35.34 0.69 0.00	37.85 0.93 0.00	40.42 1.13 0.00	37.74 1.02 0.00	33.36 1.00 0.00	30.93 1.03 0.00
CHATEAUG_WT_PWR 323614	39.69 2.21 0.00	33.94 1.93 0.00	33.26 1.87 0.00	32.16 1.79 0.00	35.29 1.84 0.00	36.23 1.63 0.00	38.82 1.22 0.00	40.39 1.39 0.00	37.08 1.09 0.00	31.40 1.09 0.00	36.41 1.05 0.00	38.16 1.08 0.00	40.34 1.15 0.00	41.41 1.16 0.00	39.91 1.01 0.00	37.74 0.90 0.00	34.68 0.64 0.00	36.44 0.53 0.00	35.22 0.57 0.00	37.74 0.82 0.00	40.27 0.98 0.00	37.59 0.88 0.00	33.22 0.85 0.00	30.82 0.92 0.00
CHAT_HIGH_FALL_HYD 323578	39.77 2.29 0.00	33.99 1.99 0.00	33.31 1.92 0.00	32.22 1.85 0.00	35.35 1.90 0.00	36.30 1.70 0.00	38.90 1.30 0.00	40.48 1.48 0.00	37.18 1.19 0.00	31.49 1.18 0.00	36.53 1.18 0.00	38.27 1.20 0.00	40.46 1.27 0.00	41.53 1.28 0.00	40.04 1.14 0.00	37.83 1.00 0.00	34.76 0.73 0.00	36.56 0.64 0.00	35.34 0.69 0.00	37.85 0.93 0.00	40.42 1.14 0.00	37.74 1.02 0.00	33.36 0.99 0.00	30.93 1.03 0.00
CHAUTAUQUA__LFGE 323629	21.34 0.33 16.46	29.11 -0.27 2.63	29.12 0.22 2.49	27.52 0.21 3.06	29.68 0.39 4.16	29.43 0.26 5.43	37.14 0.43 0.90	41.10 0.30 -1.80	27.67 1.10 9.42	28.98 1.01 2.34	36.27 0.92 0.00	38.06 0.99 0.00	40.20 1.01 0.00	41.26 1.01 0.00	39.83 0.92 0.00	37.43 0.59 0.00	34.81 0.78 0.00	36.99 1.07 0.00	35.17 0.52 0.00	36.59 0.72 1.05	37.53 0.16 1.91	36.33 0.18 0.56	29.31 0.28 3.33	28.97 0.67 1.61
CHERRYST_13_KV_LD 356241	38.54 1.06 0.00	32.98 0.97 0.00	32.31 0.91 0.00	31.18 0.81 0.00	34.45 0.99 0.00	39.65 1.35 -3.70	52.61 2.47 -12.54	61.95 2.86 -20.09	45.82 2.46 -7.37	32.11 1.80 0.00	37.50 2.14 0.00	39.62 2.55 0.00	41.96 2.77 0.00	43.17 2.92 0.00	41.88 2.97 0.00	39.93 3.10 0.00	37.41 3.37 0.00	39.61 3.71 0.00	38.08 3.42 0.00	40.10 3.19 0.00	42.40 3.12 0.00	39.61 2.89 0.00	34.71 2.35 0.00	31.77 1.86 0.00
CHESTROR_138KV_BK263 355645	38.06 0.59 0.00	32.57 0.56 0.00	31.90 0.50 0.00	30.82 0.45 0.00	34.06 0.60 0.00	35.52 0.92 0.00	39.44 1.84 0.00	46.90 2.08 -5.81	37.76 1.77 0.00	31.49 1.18 0.00	36.77 1.41 0.00	38.79 1.72 0.00	41.10 1.92 0.00	42.27 2.02 0.00	40.96 2.05 0.00	38.97 2.13 0.00	36.46 2.42 0.00	38.62 2.71 0.00	37.15 2.50 0.00	39.24 2.32 0.00	41.54 2.25 0.00	38.80 2.09 0.00	34.03 1.67 0.00	31.20 1.30 0.00
CH_MIDHUDSON__DRP 24192	38.48 1.01 0.00	32.96 0.95 0.00	32.27 0.87 0.00	31.17 0.80 0.00	34.41 0.96 0.00	39.42 1.29 -3.53	51.82 2.25 -11.96	61.15 2.54 -19.62	45.25 2.23 -7.04	31.90 1.59 0.00	37.35 2.00 0.00	39.39 2.31 0.00	41.73 2.54 0.00	42.92 2.67 0.00	41.61 2.71 0.00	39.63 2.80 0.00	37.09 3.06 0.00	39.31 3.40 0.00	37.82 3.17 0.00	39.96 3.04 0.00	42.25 2.97 0.00	39.45 2.74 0.00	34.60 2.23 0.00	31.70 1.79 0.00



CH_MISC_IPPS 23765	38.65 1.17 0.00	33.07 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.55 1.10 0.00	36.06 1.46 0.00	40.04 2.43 0.00	48.02 2.72 -6.30	38.37 2.38 0.00	32.02 1.71 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.88 2.69 0.00	43.06 2.80 0.00	41.76 2.85 0.00	39.77 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.13 0.00	39.60 2.89 0.00	34.71 2.34 0.00	31.79 1.88 0.00
CH_RES_BVR_FALLS 23983	37.82 0.35 0.00	32.31 0.30 0.00	31.67 0.28 0.00	30.65 0.28 0.00	33.73 0.28 0.00	34.80 0.19 0.00	37.56 -0.05 0.00	38.93 -0.07 0.00	35.91 -0.08 0.00	30.35 0.04 0.00	35.40 0.04 0.00	37.04 -0.04 0.00	39.14 -0.05 0.00	40.19 -0.06 0.00	38.82 -0.09 0.00	36.65 -0.18 0.00	33.71 -0.32 0.00	35.48 -0.43 0.00	34.30 -0.35 0.00	36.66 -0.25 0.00	39.13 -0.15 0.00	36.60 -0.11 0.00	32.36 0.00 0.00	29.96 0.05 0.00
CH_RES_NIAGARA 23895	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23
CH_RES_SYRACUSE 23985	37.04 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.38 0.00	34.24 -0.36 0.00	37.48 -0.12 0.00	40.08 -0.09 -1.17	36.00 0.01 0.00	30.29 -0.01 0.00	35.30 -0.05 0.00	37.06 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.17 0.25 0.00	34.77 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
CLINTON_WT_PWR 323605	39.69 2.21 0.00	33.94 1.93 0.00	33.26 1.87 0.00	32.16 1.79 0.00	35.29 1.84 0.00	36.23 1.63 0.00	38.82 1.22 0.00	40.39 1.39 0.00	37.08 1.09 0.00	31.40 1.09 0.00	36.41 1.05 0.00	38.16 1.08 0.00	40.34 1.15 0.00	41.41 1.16 0.00	39.91 1.01 0.00	37.74 0.90 0.00	34.68 0.64 0.00	36.44 0.53 0.00	35.22 0.57 0.00	37.74 0.82 0.00	40.27 0.98 0.00	37.59 0.88 0.00	33.22 0.85 0.00	30.82 0.92 0.00
CLINTON__LFGE 323618	40.36 2.89 0.00	34.50 2.50 0.00	33.80 2.41 0.00	32.68 2.31 0.00	35.85 2.39 0.00	36.78 2.18 0.00	39.46 1.85 0.00	41.12 2.11 0.00	37.68 1.70 0.00	31.90 1.60 0.00	36.93 1.57 0.00	38.74 1.66 0.00	40.95 1.76 0.00	42.04 1.78 0.00	40.49 1.58 0.00	38.32 1.49 0.00	35.27 1.24 0.00	37.13 1.21 0.00	35.86 1.20 0.00	38.41 1.49 0.00	40.93 1.65 0.00	38.16 1.45 0.00	33.68 1.32 0.00	31.25 1.34 0.00
COBBLENY_34_KV_TB1 80064	37.83 0.36 0.00	31.85 -0.16 0.00	31.64 0.25 0.00	30.62 0.26 0.00	33.82 0.37 0.00	34.78 0.17 0.00	37.78 0.18 0.00	40.67 -0.12 -1.78	36.79 0.80 0.00	31.08 0.78 0.00	35.98 0.63 0.00	37.65 0.58 0.00	39.77 0.58 0.00	40.85 0.60 0.00	39.39 0.49 0.00	37.01 0.18 0.00	34.39 0.35 0.00	36.50 0.59 0.00	34.67 0.01 0.00	37.24 0.33 0.00	39.14 -0.14 0.00	36.56 -0.15 0.00	32.48 0.12 0.00	30.47 0.57 0.00
COFFEEN__115KV_TB3 355620	37.66 0.19 0.00	32.05 0.05 0.00	31.46 0.06 0.00	30.46 0.09 0.00	33.63 0.18 0.00	34.90 0.30 0.00	38.31 0.71 0.00	40.49 0.86 -0.63	36.92 0.93 0.00	31.14 0.83 0.00	36.28 0.92 0.00	38.06 0.98 0.00	40.15 0.96 0.00	41.25 1.00 0.00	39.91 1.01 0.00	37.62 0.78 0.00	34.99 0.96 0.00	36.95 1.04 0.00	35.57 0.91 0.00	37.89 0.98 0.00	40.24 0.95 0.00	37.50 0.79 0.00	32.86 0.49 0.00	30.21 0.31 0.00
COLDSPRG_115KV_BK1 355956	39.04 1.56 0.00	32.84 0.83 0.00	32.68 1.28 0.00	31.55 1.19 0.00	34.93 1.48 0.00	35.96 1.36 0.00	39.25 1.65 0.00	42.40 1.57 -1.83	38.43 2.44 0.00	32.36 2.05 0.00	37.44 2.09 0.00	39.38 2.31 0.00	41.62 2.44 0.00	42.77 2.52 0.00	41.25 2.34 0.00	38.76 1.92 0.00	36.09 2.06 0.00	38.38 2.47 0.00	36.53 1.87 0.00	38.99 2.08 0.00	40.84 1.56 0.00	38.18 1.47 0.00	33.79 1.42 0.00	31.55 1.65 0.00
COLONIE_LFGE__ 323577	38.51 1.03 0.00	32.99 0.98 0.00	32.30 0.91 0.00	31.21 0.85 0.00	34.41 0.96 0.00	134.52 1.11 -98.81	374.66 2.11 -334.95	430.85 2.25 -389.61	234.73 1.79 -196.95	31.48 1.17 0.00	36.97 1.61 0.00	38.77 1.70 0.00	41.03 1.84 0.00	42.19 1.94 0.00	40.82 1.91 0.00	38.76 1.92 0.00	35.99 1.95 0.00	37.99 2.07 0.00	36.60 1.95 0.00	38.81 1.90 0.00	41.31 2.02 0.00	38.61 1.90 0.00	33.92 1.55 0.00	31.20 1.29 0.00
COOPERNY_115KV_TB1 80082	37.85 0.37 0.00	32.36 0.35 0.00	31.71 0.32 0.00	30.65 0.28 0.00	33.85 0.40 0.00	35.26 0.66 0.00	38.96 1.36 0.00	45.51 1.54 -4.97	37.33 1.34 0.00	31.20 0.90 0.00	36.42 1.06 0.00	38.37 1.30 0.00	40.62 1.44 0.00	41.78 1.52 0.00	40.46 1.56 0.00	38.46 1.62 0.00	35.88 1.85 0.00	37.99 2.07 0.00	36.57 1.92 0.00	38.68 1.77 0.00	40.98 1.70 0.00	38.29 1.58 0.00	33.61 1.24 0.00	30.87 0.96 0.00
COPENHAGEN_WT_PWR 323753	37.35 -0.13 0.00	31.80 -0.21 0.00	31.20 -0.20 0.00	30.21 -0.16 0.00	33.36 -0.09 0.00	34.62 0.02 0.00	37.97 0.37 0.00	40.14 0.49 -0.66	36.55 0.57 0.00	30.82 0.51 0.00	35.92 0.56 0.00	37.68 0.60 0.00	39.74 0.55 0.00	40.82 0.57 0.00	39.49 0.58 0.00	37.25 0.41 0.00	34.62 0.58 0.00	36.53 0.62 0.00	35.18 0.52 0.00	37.48 0.57 0.00	39.81 0.52 0.00	37.12 0.41 0.00	32.57 0.20 0.00	29.97 0.06 0.00
CORNELL____ 23752	38.07 0.59 0.00	32.38 0.37 0.00	31.79 0.39 0.00	30.80 0.43 0.00	34.02 0.57 0.00	35.30 0.69 0.00	38.86 1.26 0.00	42.59 1.34 -2.24	37.50 1.52 0.00	31.52 1.22 0.00	36.65 1.29 0.00	38.51 1.44 0.00	40.68 1.49 0.00	41.77 1.52 0.00	40.41 1.51 0.00	38.29 1.46 0.00	35.65 1.61 0.00	37.78 1.87 0.00	36.28 1.63 0.00	38.60 1.68 0.00	40.75 1.47 0.00	38.02 1.31 0.00	33.38 1.02 0.00	30.84 0.93 0.00
CORONAAV_69_KV_TB1 355595	39.33 1.86 0.00	33.54 1.54 0.00	32.87 1.48 0.00	31.72 1.35 0.00	35.08 1.63 0.00	44.67 2.13 -7.93	53.34 3.19 -12.54	62.49 3.39 -20.10	46.30 2.94 -7.38	32.49 2.18 0.00	38.04 2.68 0.00	40.17 3.10 0.00	42.43 3.24 0.00	43.58 3.33 0.00	42.27 3.36 0.00	40.50 3.66 0.00	37.95 3.91 -0.01	40.07 4.16 0.00	38.45 3.80 0.00	40.68 3.77 0.00	43.11 3.83 0.00	40.36 3.65 0.00	35.39 3.03 0.00	32.43 2.53 0.00
CORTLAND_115KV_TB3 80093	37.65 0.17 0.00	32.05 0.04 0.00	31.48 0.09 0.00	30.47 0.11 0.00	33.64 0.18 0.00	34.89 0.29 0.00	38.31 0.71 0.00	41.64 0.79 -1.85	36.92 0.93 0.00	31.04 0.73 0.00	36.15 0.79 0.00	37.95 0.88 0.00	40.10 0.92 0.00	41.20 0.94 0.00	39.85 0.95 0.00	37.75 0.91 0.00	35.11 1.07 0.00	37.16 1.25 0.00	35.72 1.07 0.00	37.98 1.07 0.00	40.14 0.86 0.00	37.48 0.76 0.00	32.92 0.56 0.00	30.41 0.51 0.00



COXSACKIE___GT 23611	39.88 2.40 0.00	34.07 2.07 0.00	33.40 2.00 0.00	32.28 1.91 0.00	35.62 2.17 0.00	27.65 2.41 9.36	8.73 2.88 31.75	18.60 3.15 23.55	20.05 2.74 18.67	32.37 2.06 0.00	37.96 2.60 0.00	39.80 2.73 0.00	42.08 2.89 0.00	43.19 2.94 0.00	41.91 3.01 0.00	39.85 3.01 0.00	37.15 3.11 0.00	39.40 3.49 0.00	37.96 3.31 0.00	40.35 3.44 0.00	42.70 3.42 0.00	39.76 3.05 0.00	34.84 2.47 0.00	32.03 2.13 0.00
CPV_VALLEY___CC1 323721	37.80 0.32 0.00	32.34 0.34 0.00	31.68 0.29 0.00	30.61 0.24 0.00	33.81 0.35 0.00	35.26 0.66 0.00	39.09 1.49 0.00	46.20 1.71 -5.49	37.41 1.43 0.00	31.23 0.92 0.00	36.47 1.12 0.00	38.48 1.41 0.00	40.76 1.57 0.00	41.91 1.66 0.00	40.60 1.70 0.00	38.63 1.79 0.00	36.11 2.07 0.00	38.24 2.32 0.00	36.79 2.14 0.00	38.87 1.95 0.00	41.15 1.87 0.00	38.44 1.73 0.00	33.73 1.37 0.00	30.94 1.03 0.00
CPV_VALLEY___CC2 323722	37.80 0.32 0.00	32.34 0.34 0.00	31.68 0.29 0.00	30.61 0.24 0.00	33.81 0.35 0.00	35.26 0.66 0.00	39.09 1.49 0.00	46.20 1.71 -5.49	37.41 1.43 0.00	31.23 0.92 0.00	36.47 1.12 0.00	38.48 1.41 0.00	40.76 1.57 0.00	41.91 1.66 0.00	40.60 1.70 0.00	38.63 1.79 0.00	36.11 2.07 0.00	38.24 2.32 0.00	36.79 2.14 0.00	38.87 1.95 0.00	41.15 1.87 0.00	38.44 1.73 0.00	33.73 1.37 0.00	30.94 1.03 0.00
CRESCENT___HYD 24018	38.51 1.03 0.00	32.99 0.98 0.00	32.30 0.91 0.00	31.21 0.85 0.00	34.41 0.96 0.00	134.52 1.11 -98.81	374.66 2.11 -334.95	430.85 2.25 -389.61	234.73 1.79 -196.95	31.48 1.17 0.00	36.97 1.61 0.00	38.77 1.70 0.00	41.03 1.84 0.00	42.19 1.94 0.00	40.82 1.91 0.00	38.76 1.92 0.00	35.99 1.95 0.00	37.99 2.07 0.00	36.60 1.95 0.00	38.81 1.90 0.00	41.31 2.02 0.00	38.61 1.90 0.00	33.92 1.55 0.00	31.20 1.29 0.00
CRICKET___VALLEY_CC1 323756	38.10 0.62 0.00	32.72 0.72 0.00	32.02 0.62 0.00	30.92 0.56 0.00	34.08 0.63 0.00	41.34 0.92 -5.82	59.27 1.92 -19.74	69.78 2.18 -28.60	49.50 1.90 -11.61	31.66 1.36 0.00	37.23 1.87 0.00	39.24 2.17 0.00	41.56 2.37 0.00	42.73 2.48 0.00	41.43 2.52 0.00	39.45 2.62 0.00	36.91 2.88 0.00	39.09 3.18 0.00	37.61 2.96 0.00	39.73 2.82 0.00	42.02 2.74 0.00	39.27 2.56 0.00	34.48 2.12 0.00	31.61 1.70 0.00
CRICKET___VALLEY_CC2 323757	38.10 0.62 0.00	32.72 0.72 0.00	32.02 0.62 0.00	30.92 0.56 0.00	34.08 0.63 0.00	41.34 0.92 -5.82	59.27 1.92 -19.74	69.78 2.18 -28.60	49.50 1.90 -11.61	31.66 1.36 0.00	37.23 1.87 0.00	39.24 2.17 0.00	41.56 2.37 0.00	42.73 2.48 0.00	41.43 2.52 0.00	39.45 2.62 0.00	36.91 2.88 0.00	39.09 3.18 0.00	37.61 2.96 0.00	39.73 2.82 0.00	42.02 2.74 0.00	39.27 2.56 0.00	34.48 2.12 0.00	31.61 1.70 0.00
CRICKET___VALLEY_CC3 323758	38.10 0.62 0.00	32.72 0.72 0.00	32.02 0.62 0.00	30.92 0.56 0.00	34.08 0.63 0.00	41.34 0.92 -5.82	59.27 1.92 -19.74	69.78 2.18 -28.60	49.50 1.90 -11.61	31.66 1.36 0.00	37.23 1.87 0.00	39.24 2.17 0.00	41.56 2.37 0.00	42.73 2.48 0.00	41.43 2.52 0.00	39.45 2.62 0.00	36.91 2.88 0.00	39.09 3.18 0.00	37.61 2.96 0.00	39.73 2.82 0.00	42.02 2.74 0.00	39.27 2.56 0.00	34.48 2.12 0.00	31.61 1.70 0.00
CRUCIBLE_METL_DRP 24180	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
DAHOWA___HYDRO 323763	38.80 1.32 0.00	33.24 1.23 0.00	32.60 1.21 0.00	31.51 1.14 0.00	34.76 1.30 0.00	92.74 1.60 -56.54	232.03 2.75 -191.68	275.52 2.87 -233.65	151.20 2.51 -112.71	32.06 1.75 0.00	37.51 2.15 0.00	39.27 2.20 0.00	41.40 2.21 0.00	42.55 2.29 0.00	41.13 2.22 0.00	39.09 2.25 0.00	36.42 2.39 0.00	38.47 2.56 0.00	37.04 2.39 0.00	39.23 2.31 0.00	41.58 2.29 0.00	38.92 2.21 0.00	34.15 1.79 0.00	31.39 1.48 0.00
DANC___LFGE 323619	36.90 -0.58 0.00	31.42 -0.58 0.00	30.84 -0.56 0.00	29.85 -0.51 0.00	32.95 -0.51 0.00	34.16 -0.44 0.00	37.43 -0.17 0.00	39.70 -0.09 -0.79	36.02 0.03 0.00	30.35 0.04 0.00	35.36 0.00 0.00	37.09 0.02 0.00	39.13 -0.06 0.00	40.18 -0.07 0.00	38.84 -0.07 0.00	36.69 -0.15 0.00	34.10 0.06 0.00	36.03 0.12 0.00	34.67 0.01 0.00	36.92 0.01 0.00	39.17 -0.12 0.00	36.54 -0.17 0.00	32.09 -0.27 0.00	29.57 -0.33 0.00
DANSKAMMER___1 23586	38.65 1.17 0.00	33.07 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.55 1.10 0.00	36.06 1.46 0.00	40.04 2.43 0.00	48.02 2.72 -6.30	38.37 2.38 0.00	32.02 1.71 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.88 2.69 0.00	43.06 2.80 0.00	41.76 2.85 0.00	39.77 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.13 0.00	39.60 2.89 0.00	34.71 2.34 0.00	31.79 1.88 0.00
DANSKAMMER___2 23589	38.65 1.17 0.00	33.07 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.55 1.10 0.00	36.06 1.46 0.00	40.04 2.43 0.00	48.02 2.72 -6.30	38.37 2.38 0.00	32.02 1.71 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.88 2.69 0.00	43.06 2.80 0.00	41.76 2.85 0.00	39.77 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.13 0.00	39.60 2.89 0.00	34.71 2.34 0.00	31.79 1.88 0.00
DANSKAMMER___3 23590	38.65 1.17 0.00	33.07 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.55 1.10 0.00	36.06 1.46 0.00	40.04 2.43 0.00	48.02 2.72 -6.30	38.37 2.38 0.00	32.02 1.71 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.88 2.69 0.00	43.06 2.80 0.00	41.76 2.85 0.00	39.77 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.13 0.00	39.60 2.89 0.00	34.71 2.34 0.00	31.79 1.88 0.00
DANSKAMMER___4 23591	38.65 1.17 0.00	33.07 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.55 1.10 0.00	36.06 1.46 0.00	40.04 2.43 0.00	48.02 2.72 -6.30	38.37 2.38 0.00	32.02 1.71 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.88 2.69 0.00	43.06 2.80 0.00	41.76 2.85 0.00	39.77 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.13 0.00	39.60 2.89 0.00	34.71 2.34 0.00	31.79 1.88 0.00
DANSKAMMER___DIESEL 23592	38.65 1.17 0.00	33.08 1.07 0.00	32.39 0.99 0.00	31.29 0.92 0.00	34.56 1.11 0.00	36.06 1.46 0.00	40.04 2.44 0.00	48.03 2.73 -6.30	38.38 2.39 0.00	32.02 1.72 0.00	37.46 2.10 0.00	39.51 2.44 0.00	41.87 2.69 0.00	43.05 2.80 0.00	41.76 2.85 0.00	39.76 2.93 0.00	37.27 3.23 0.00	39.49 3.58 0.00	37.98 3.33 0.00	40.12 3.20 0.00	42.42 3.14 0.00	39.60 2.89 0.00	34.71 2.35 0.00	31.79 1.88 0.00



DARBY___SOLAR 323810	38.72 1.24 0.00	33.16 1.16 0.00	32.53 1.13 0.00	31.42 1.05 0.00	34.67 1.22 0.00	98.91 1.48 -62.82	253.14 2.57 -212.97	298.59 2.69 -256.90	163.54 2.32 -125.23	31.92 1.61 0.00	37.36 2.00 0.00	39.13 2.05 0.00	41.29 2.10 0.00	42.43 2.18 0.00	41.03 2.12 0.00	38.98 2.14 0.00	36.30 2.26 0.00	38.33 2.42 0.00	36.91 2.26 0.00	39.11 2.20 0.00	41.49 2.20 0.00	38.83 2.12 0.00	34.08 1.72 0.00	31.33 1.42 0.00
DASHVILLE___HYD 23610	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.79 0.00	31.09 0.73 0.00	34.34 0.88 0.00	35.82 1.21 0.00	39.60 2.00 0.00	48.79 2.24 -7.56	37.91 1.93 0.00	31.64 1.33 0.00	37.02 1.66 0.00	38.98 1.90 0.00	41.29 2.10 0.00	42.48 2.23 0.00	41.20 2.29 0.00	39.21 2.38 0.00	36.63 2.59 0.00	38.87 2.95 0.00	37.44 2.79 0.00	39.59 2.68 0.00	41.89 2.61 0.00	39.12 2.41 0.00	34.30 1.94 0.00	31.45 1.55 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	40.93 3.45 0.00	34.75 2.75 0.00	34.16 2.76 0.00	32.95 2.59 0.00	36.55 3.10 0.00	47.32 3.91 -8.81	55.39 5.24 -12.54	64.68 5.58 -20.10	48.20 4.83 -7.38	33.90 3.60 0.00	39.58 4.22 0.00	41.84 4.77 0.00	44.29 5.11 0.00	45.54 5.29 0.00	44.20 5.30 0.00	42.57 5.73 0.00	40.10 6.06 0.00	42.40 6.49 0.00	40.56 5.90 0.00	42.82 5.90 0.00	45.26 5.97 0.00	42.18 5.47 0.00	36.94 4.58 0.00	33.73 3.83 0.00
DELAWARE___LFGE 323621	38.08 0.60 0.00	32.49 0.48 0.00	31.87 0.47 0.00	30.82 0.46 0.00	34.06 0.61 0.00	35.47 0.86 0.00	38.93 1.33 0.00	46.09 1.48 -5.61	37.46 1.47 0.00	31.42 1.12 0.00	36.65 1.29 0.00	38.52 1.45 0.00	40.75 1.56 0.00	41.88 1.63 0.00	40.56 1.66 0.00	38.48 1.64 0.00	35.79 1.75 0.00	37.90 1.99 0.00	36.46 1.81 0.00	38.72 1.80 0.00	41.01 1.72 0.00	38.30 1.59 0.00	33.63 1.27 0.00	30.96 1.06 0.00
DERFIELD_115KV_TB7 355931	37.43 -0.04 0.00	31.97 -0.03 0.00	31.36 -0.03 0.00	30.32 -0.05 0.00	33.42 -0.03 0.00	34.62 0.01 0.00	37.74 0.14 0.00	39.19 0.18 0.00	36.14 0.15 0.00	30.40 0.09 0.00	35.48 0.12 0.00	37.22 0.15 0.00	39.34 0.15 0.00	40.37 0.12 0.00	39.05 0.15 0.00	37.01 0.17 0.00	34.26 0.23 0.00	36.19 0.28 0.00	34.89 0.24 0.00	37.11 0.20 0.00	39.48 0.19 0.00	36.88 0.16 0.00	32.49 0.13 0.00	29.99 0.08 0.00
DOGLEVILLE___HYD 23807	36.71 -0.77 0.00	31.46 -0.54 0.00	30.78 -0.61 0.00	29.72 -0.65 0.00	32.82 -0.63 0.00	34.30 -0.30 0.00	38.18 0.58 0.00	39.89 0.89 0.00	36.70 0.71 0.00	30.51 0.20 0.00	35.79 0.43 0.00	37.75 0.68 0.00	39.86 0.68 0.00	40.90 0.65 0.00	39.70 0.79 0.00	37.83 1.00 0.00	35.41 1.38 0.00	37.65 1.74 0.00	36.31 1.66 0.00	38.26 1.35 0.00	40.48 1.20 0.00	37.77 1.06 0.00	33.02 0.66 0.00	30.25 0.34 0.00
DUNKIRK___115KV_TB_200 55889	37.71 0.23 0.00	31.69 -0.31 0.00	31.55 0.15 0.00	30.52 0.15 0.00	33.74 0.29 0.00	34.78 0.18 0.00	37.96 0.36 0.00	40.88 0.08 -1.80	36.98 0.99 0.00	31.21 0.90 0.00	36.17 0.81 0.00	37.94 0.87 0.00	40.07 0.88 0.00	41.15 0.90 0.00	39.70 0.80 0.00	37.31 0.48 0.00	34.70 0.67 0.00	36.86 0.95 0.00	35.04 0.39 0.00	37.52 0.60 0.00	39.33 0.05 0.00	36.80 0.08 0.00	32.55 0.19 0.00	30.51 0.60 0.00
DUNKIRK___1 23563	37.71 0.23 0.00	31.69 -0.31 0.00	31.55 0.15 0.00	30.52 0.15 0.00	33.74 0.29 0.00	34.78 0.18 0.00	37.96 0.36 0.00	40.88 0.08 -1.80	36.98 0.99 0.00	31.21 0.90 0.00	36.17 0.81 0.00	37.94 0.87 0.00	40.07 0.88 0.00	41.15 0.90 0.00	39.70 0.80 0.00	37.31 0.48 0.00	34.70 0.67 0.00	36.86 0.95 0.00	35.04 0.39 0.00	37.52 0.60 0.00	39.33 0.05 0.00	36.80 0.08 0.00	32.55 0.19 0.00	30.51 0.60 0.00
DUNKIRK___2 23564	37.71 0.23 0.00	31.69 -0.31 0.00	31.55 0.15 0.00	30.52 0.15 0.00	33.74 0.29 0.00	34.78 0.18 0.00	37.96 0.36 0.00	40.88 0.08 -1.80	36.98 0.99 0.00	31.21 0.90 0.00	36.17 0.81 0.00	37.94 0.87 0.00	40.07 0.88 0.00	41.15 0.90 0.00	39.70 0.80 0.00	37.31 0.48 0.00	34.70 0.67 0.00	36.86 0.95 0.00	35.04 0.39 0.00	37.52 0.60 0.00	39.33 0.05 0.00	36.80 0.08 0.00	32.55 0.19 0.00	30.51 0.60 0.00
DUNKIRK___3 23565	37.62 0.14 0.00	31.63 -0.37 0.00	31.48 0.09 0.00	30.45 0.09 0.00	33.66 0.21 0.00	34.67 0.07 0.00	37.81 0.21 0.00	40.73 -0.07 -1.80	36.83 0.84 0.00	31.06 0.75 0.00	35.99 0.63 0.00	37.78 0.71 0.00	39.90 0.71 0.00	40.97 0.72 0.00	39.54 0.63 0.00	37.16 0.33 0.00	34.56 0.52 0.00	36.70 0.79 0.00	34.90 0.25 0.00	37.36 0.44 0.00	39.18 -0.11 0.00	36.67 -0.04 0.00	32.45 0.09 0.00	30.41 0.51 0.00
DUNKIRK___4 23566	37.77 0.30 0.00	31.75 -0.26 0.00	31.59 0.20 0.00	30.57 0.20 0.00	33.79 0.34 0.00	34.79 0.19 0.00	37.92 0.32 0.00	40.81 0.03 -1.78	36.93 0.95 0.00	31.18 0.87 0.00	36.12 0.76 0.00	37.86 0.79 0.00	39.99 0.80 0.00	41.07 0.81 0.00	39.62 0.72 0.00	37.23 0.39 0.00	34.62 0.58 0.00	36.77 0.86 0.00	34.94 0.29 0.00	37.44 0.53 0.00	39.27 -0.01 0.00	36.74 0.03 0.00	32.54 0.18 0.00	30.52 0.62 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	38.49 1.01 0.00	32.93 0.92 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.27 -3.70	52.51 2.36 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.36 2.00 0.00	39.45 2.38 0.00	41.79 2.60 0.00	42.98 2.73 0.00	41.69 2.78 0.00	39.73 2.89 0.00	37.21 3.17 0.00	39.40 3.49 0.00	37.89 3.23 0.00	39.97 3.05 0.00	42.28 3.00 0.00	39.50 2.79 0.00	34.62 2.26 0.00	31.70 1.79 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	38.31 0.83 0.00	32.77 0.77 0.00	32.10 0.71 0.00	31.01 0.65 0.00	34.26 0.81 0.00	35.75 1.15 0.00	39.68 2.08 0.00	47.47 2.34 -6.13	38.01 2.03 0.00	31.70 1.39 0.00	37.04 1.69 0.00	39.07 2.00 0.00	41.41 2.22 0.00	42.58 2.33 0.00	41.29 2.38 0.00	39.30 2.46 0.00	36.80 2.76 0.00	38.99 3.08 0.00	37.51 2.86 0.00	39.61 2.70 0.00	41.91 2.62 0.00	39.13 2.42 0.00	34.31 1.94 0.00	31.44 1.54 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	38.46 0.98 0.00	32.95 0.94 0.00	32.28 0.89 0.00	31.20 0.84 0.00	34.46 1.00 0.00	39.67 1.37 -3.70	52.57 2.42 -12.54	61.86 2.77 -20.09	45.74 2.38 -7.37	32.00 1.69 0.00	37.39 2.03 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.00 2.75 0.00	41.71 2.80 0.00	39.78 2.94 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.94 3.28 0.00	39.99 3.07 0.00	42.30 3.02 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.65 1.75 0.00
E179THST_13_KV_LOAD 356214	38.62 1.14 0.00	33.07 1.07 0.00	32.40 1.01 0.00	31.32 0.96 0.00	34.59 1.13 0.00	39.81 1.51 -3.70	52.74 2.59 -12.54	62.05 2.96 -20.09	45.92 2.56 -7.37	32.15 1.85 0.00	37.56 2.21 0.00	39.65 2.58 0.00	42.03 2.84 0.00	43.20 2.95 0.00	41.90 3.00 0.00	39.96 3.13 0.00	37.46 3.42 0.00	39.67 3.76 0.00	38.13 3.47 0.00	40.19 3.28 0.00	42.50 3.22 0.00	39.70 2.98 0.00	34.79 2.43 0.00	31.80 1.89 0.00



EAST HAMPTON___GT 23717	41.26 3.78 0.00	35.03 3.03 0.00	34.43 3.04 0.00	33.24 2.87 0.00	36.86 3.41 0.00	47.65 4.24 -8.81	55.79 5.65 -12.54	65.10 6.01 -20.10	48.58 5.21 -7.38	34.21 3.90 0.00	39.95 4.59 0.00	42.25 5.17 0.00	44.74 5.55 0.00	46.00 5.76 0.00	44.65 5.75 0.00	43.00 6.16 0.00	40.53 6.49 0.00	42.88 6.97 0.00	41.00 6.34 0.00	43.28 6.37 0.00	45.73 6.45 0.00	42.64 5.93 0.00	37.32 4.96 0.00	34.07 4.16 0.00
EAST RIVER___6 23660	38.50 1.03 0.00	32.97 0.96 0.00	32.28 0.89 0.00	31.11 0.74 0.00	34.40 0.95 0.00	39.61 1.31 -3.70	52.50 2.36 -12.54	61.88 2.79 -20.09	45.70 2.33 -7.37	32.03 1.72 0.00	37.38 2.03 0.00	39.50 2.43 0.00	41.83 2.64 0.00	43.02 2.77 0.00	41.75 2.84 0.00	39.83 2.99 0.00	37.32 3.28 0.00	39.52 3.61 0.00	37.98 3.33 0.00	40.01 3.09 0.00	42.29 3.00 0.00	39.50 2.79 0.00	34.63 2.27 0.00	31.69 1.78 0.00
EAST RIVER___7 23524	38.50 1.03 0.00	32.97 0.96 0.00	32.28 0.89 0.00	31.11 0.74 0.00	34.40 0.95 0.00	39.61 1.31 -3.70	52.50 2.36 -12.54	61.88 2.79 -20.09	45.70 2.33 -7.37	32.03 1.72 0.00	37.38 2.03 0.00	39.50 2.43 0.00	41.83 2.64 0.00	43.02 2.77 0.00	41.75 2.84 0.00	39.83 2.99 0.00	37.32 3.28 0.00	39.52 3.61 0.00	37.98 3.33 0.00	40.01 3.09 0.00	42.29 3.00 0.00	39.50 2.79 0.00	34.63 2.27 0.00	31.69 1.78 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	38.43 0.96 0.00	32.90 0.89 0.00	32.22 0.82 0.00	31.10 0.74 0.00	34.36 0.90 0.00	39.55 1.26 -3.69	52.44 2.33 -12.51	61.69 2.64 -20.05	45.62 2.27 -7.36	31.93 1.62 0.00	37.31 1.96 0.00	39.40 2.32 0.00	41.72 2.53 0.00	42.91 2.66 0.00	41.61 2.70 0.00	39.65 2.82 0.00	37.13 3.10 0.00	39.33 3.42 0.00	37.82 3.16 0.00	39.90 2.98 0.00	42.21 2.92 0.00	39.42 2.71 0.00	34.57 2.20 0.00	31.65 1.75 0.00
EAST_HAMPTON___DIESEL 23722	41.26 3.79 0.00	35.03 3.03 0.00	34.44 3.04 0.00	33.24 2.87 0.00	36.86 3.41 0.00	47.65 4.24 -8.81	55.80 5.65 -12.54	65.10 6.01 -20.10	48.59 5.22 -7.38	34.22 3.91 0.00	39.95 4.59 0.00	42.25 5.17 0.00	44.74 5.55 0.00	46.00 5.76 0.00	44.65 5.75 0.00	43.00 6.17 0.00	40.54 6.50 0.00	42.88 6.97 0.00	41.00 6.35 0.00	43.28 6.37 0.00	45.74 6.45 0.00	42.64 5.93 0.00	37.32 4.96 0.00	34.07 4.16 0.00
EAST_PULASKI___ESR 323781	36.62 -0.85 0.00	31.19 -0.82 0.00	30.61 -0.79 0.00	29.63 -0.74 0.00	32.68 -0.77 0.00	33.85 -0.76 0.00	37.06 -0.54 0.00	39.39 -0.53 -0.91	35.64 -0.35 0.00	30.00 -0.31 0.00	34.95 -0.40 0.00	36.66 -0.41 0.00	38.68 -0.51 0.00	39.66 -0.59 0.00	38.29 -0.61 0.00	36.23 -0.60 0.00	33.66 -0.37 0.00	35.61 -0.31 0.00	34.25 -0.41 0.00	36.45 -0.46 0.00	38.64 -0.64 0.00	36.06 -0.65 0.00	31.69 -0.67 0.00	29.25 -0.65 0.00
EAST_RIVER___1 323558	38.44 0.97 0.00	32.89 0.89 0.00	32.24 0.84 0.00	31.11 0.74 0.00	34.34 0.89 0.00	39.55 1.25 -3.70	52.49 2.35 -12.54	61.80 2.71 -20.09	45.67 2.31 -7.37	31.99 1.68 0.00	37.36 2.00 0.00	39.47 2.40 0.00	41.81 2.63 0.00	43.01 2.76 0.00	41.73 2.83 0.00	39.79 2.95 0.00	37.27 3.24 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.98 3.06 0.00	42.28 3.00 0.00	39.50 2.79 0.00	34.62 2.26 0.00	31.68 1.77 0.00
EAST_RIVER___2 323559	38.50 1.03 0.00	32.97 0.96 0.00	32.28 0.89 0.00	31.11 0.74 0.00	34.40 0.95 0.00	39.61 1.31 -3.70	52.50 2.36 -12.54	61.88 2.79 -20.09	45.70 2.33 -7.37	32.03 1.72 0.00	37.38 2.03 0.00	39.50 2.43 0.00	41.83 2.64 0.00	43.02 2.77 0.00	41.75 2.84 0.00	39.83 2.99 0.00	37.32 3.28 0.00	39.52 3.61 0.00	37.98 3.33 0.00	40.01 3.09 0.00	42.29 3.00 0.00	39.50 2.79 0.00	34.63 2.27 0.00	31.69 1.78 0.00
EAST___DELAWARE_HYD 23607	38.20 0.72 0.00	32.65 0.65 0.00	31.98 0.58 0.00	30.90 0.54 0.00	34.16 0.71 0.00	35.69 1.09 0.00	39.55 1.95 0.00	47.40 2.26 -6.14	37.91 1.93 0.00	31.68 1.37 0.00	36.93 1.57 0.00	38.88 1.80 0.00	41.23 2.04 0.00	42.45 2.20 0.00	41.21 2.30 0.00	39.19 2.35 0.00	36.72 2.68 0.00	38.97 3.06 0.00	37.53 2.88 0.00	39.64 2.73 0.00	41.90 2.62 0.00	39.09 2.37 0.00	34.24 1.87 0.00	31.38 1.47 0.00
EIGHT_POINT___WT_PWR 323820	40.43 -0.05 -3.01	32.18 -0.31 -0.48	31.84 -0.01 -0.45	31.00 0.07 -0.56	34.51 0.29 -0.76	35.98 0.38 -0.99	38.59 0.82 -0.16	41.90 0.80 -2.10	39.25 1.54 -1.72	32.09 1.36 -0.43	36.71 1.36 0.00	38.57 1.50 0.00	40.70 1.51 0.00	41.79 1.54 0.00	40.39 1.48 0.00	38.10 1.26 0.00	35.47 1.43 0.00	37.67 1.76 0.00	35.95 1.30 0.00	38.60 1.49 -0.19	40.66 1.03 -0.35	37.80 0.98 -0.10	33.85 0.87 -0.61	31.32 1.12 -0.29
ELBRIDGE_115KV_TB2 80188	36.89 -0.58 0.00	31.42 -0.59 0.00	30.83 -0.56 0.00	29.84 -0.52 0.00	32.94 -0.52 0.00	34.12 -0.48 0.00	37.36 -0.24 0.00	39.94 -0.27 -1.21	35.90 -0.09 0.00	30.18 -0.13 0.00	35.15 -0.21 0.00	36.94 -0.14 0.00	38.96 -0.23 0.00	40.00 -0.25 0.00	38.68 -0.23 0.00	36.64 -0.19 0.00	34.03 0.00 0.00	36.02 0.10 0.00	34.61 -0.05 0.00	36.83 -0.08 0.00	38.99 -0.30 0.00	36.39 -0.32 0.00	32.02 -0.34 0.00	29.61 -0.29 0.00
ELEC_TRO_TEK 24086	39.08 1.60 0.00	33.34 1.33 0.00	32.67 1.28 0.00	31.53 1.16 0.00	34.88 1.42 0.00	43.50 1.99 -6.90	53.18 3.03 -12.54	62.34 3.24 -20.10	46.15 2.79 -7.38	32.38 2.07 0.00	37.87 2.51 0.00	40.00 2.93 0.00	42.23 3.04 0.00	43.39 3.14 0.00	42.08 3.17 0.00	40.32 3.48 0.00	37.80 3.76 -0.01	39.91 4.00 0.00	38.30 3.64 0.00	40.46 3.55 0.00	42.88 3.60 0.00	40.15 3.44 0.00	35.21 2.85 0.00	32.22 2.32 0.00
ELLENBURG_WT_PWR 323604	39.69 2.21 0.00	33.94 1.93 0.00	33.26 1.87 0.00	32.16 1.79 0.00	35.29 1.84 0.00	36.23 1.63 0.00	38.82 1.22 0.00	40.39 1.39 0.00	37.08 1.09 0.00	31.40 1.09 0.00	36.41 1.05 0.00	38.16 1.08 0.00	40.34 1.15 0.00	41.41 1.16 0.00	39.91 1.01 0.00	37.74 0.90 0.00	34.68 0.64 0.00	36.44 0.53 0.00	35.22 0.57 0.00	37.74 0.82 0.00	40.27 0.98 0.00	37.59 0.88 0.00	33.22 0.85 0.00	30.82 0.92 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	37.45 -0.03 0.00	31.51 -0.49 0.00	31.31 -0.08 0.00	30.31 -0.05 0.00	33.47 0.01 0.00	34.39 -0.21 0.00	37.32 -0.28 0.00	40.11 -0.63 -1.74	36.29 0.31 0.00	30.70 0.39 0.00	35.54 0.18 0.00	37.15 0.07 0.00	39.23 0.04 0.00	40.31 0.06 0.00	38.86 -0.04 0.00	36.50 -0.34 0.00	33.91 -0.13 0.00	35.97 0.06 0.00	34.14 -0.51 0.00	36.70 -0.21 0.00	38.58 -0.71 0.00	36.05 -0.66 0.00	32.06 -0.31 0.00	30.15 0.24 0.00
EMPIRE_CC_1 323656	38.10 0.62 0.00	32.65 0.64 0.00	31.96 0.56 0.00	30.89 0.52 0.00	34.02 0.57 0.00	26.14 0.68 9.14	7.27 0.65 30.98	15.14 0.66 24.52	18.22 0.45 18.22	30.54 0.23 0.00	35.99 0.63 0.00	37.80 0.72 0.00	39.99 0.80 0.00	41.10 0.84 0.00	39.78 0.87 0.00	37.77 0.94 0.00	35.12 1.09 0.00	37.09 1.18 0.00	35.75 1.10 0.00	37.99 1.08 0.00	40.32 1.04 0.00	37.67 0.96 0.00	33.12 0.75 0.00	30.47 0.57 0.00



EMPIRE_CC_2 323658	38.10 0.62 0.00	32.65 0.64 0.00	31.96 0.56 0.00	30.89 0.52 0.00	34.02 0.57 0.00	26.14 0.68 9.14	7.27 0.65 30.98	15.14 0.66 24.52	18.22 0.45 18.22	30.54 0.23 0.00	35.99 0.63 0.00	37.80 0.72 0.00	39.99 0.80 0.00	41.10 0.84 0.00	39.78 0.87 0.00	37.77 0.94 0.00	35.12 1.09 0.00	37.09 1.18 0.00	35.75 1.10 0.00	37.99 1.08 0.00	40.32 1.04 0.00	37.67 0.96 0.00	33.12 0.75 0.00	30.47 0.57 0.00
ENORWICH_115KV_TB1 80156	39.25 1.77 0.00	33.36 1.36 0.00	32.66 1.26 0.00	31.66 1.29 0.00	35.25 1.80 0.00	36.84 2.24 0.00	41.10 3.49 0.00	46.26 3.85 -3.40	40.06 4.08 0.00	33.77 3.46 0.00	39.17 3.81 0.00	41.06 3.99 0.00	43.49 4.31 0.00	44.83 4.59 0.00	43.48 4.57 0.00	41.06 4.23 0.00	38.36 4.32 0.00	40.71 4.80 0.00	39.05 4.40 0.00	41.51 4.60 0.00	43.79 4.50 0.00	40.77 4.05 0.00	35.64 3.28 0.00	32.83 2.93 0.00
ERIE_ST__34_KV_TB1-2 80199	38.53 1.06 0.00	32.45 0.45 0.00	32.25 0.85 0.00	31.17 0.80 0.00	34.45 0.99 0.00	35.38 0.78 0.00	38.42 0.82 0.00	41.35 0.58 -1.77	37.51 1.52 0.00	31.67 1.36 0.00	36.61 1.25 0.00	38.35 1.28 0.00	40.51 1.32 0.00	41.61 1.36 0.00	40.14 1.23 0.00	37.71 0.87 0.00	35.07 1.03 0.00	37.23 1.32 0.00	35.35 0.70 0.00	37.98 1.07 0.00	39.91 0.63 0.00	37.29 0.58 0.00	33.11 0.75 0.00	31.04 1.14 0.00
ERIE_WT_PWR 323693	23.99 0.30 13.78	29.57 -0.24 2.20	29.50 0.19 2.08	28.04 0.23 2.56	30.31 0.34 3.48	30.18 0.12 4.54	36.95 0.10 0.75	40.68 -0.08 -1.76	28.85 0.75 7.88	29.12 0.76 1.96	35.94 0.59 0.00	37.61 0.54 0.00	39.72 0.53 0.00	40.81 0.56 0.00	39.34 0.43 0.00	36.94 0.11 0.00	34.34 0.31 0.00	36.44 0.53 0.00	34.62 -0.03 0.00	36.30 0.26 0.88	37.48 -0.20 1.60	36.06 -0.18 0.47	29.64 0.07 2.79	29.12 0.56 1.35
ESPRGFLD_115KV_TB1 80157	39.10 1.62 0.00	33.30 1.30 0.00	32.65 1.26 0.00	31.60 1.23 0.00	34.93 1.47 0.00	42.43 1.78 -6.04	60.11 2.02 -20.49	79.74 2.19 -38.54	50.35 2.32 -12.05	32.40 2.09 0.00	37.65 2.29 0.00	39.39 2.31 0.00	41.65 2.46 0.00	42.73 2.48 0.00	41.34 2.44 0.00	39.10 2.26 0.00	36.21 2.17 0.00	38.30 2.39 0.00	36.85 2.20 0.00	39.33 2.42 0.00	41.67 2.39 0.00	38.84 2.13 0.00	34.17 1.81 0.00	31.54 1.64 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	37.98 0.51 0.00	32.31 0.30 0.00	31.72 0.33 0.00	30.72 0.35 0.00	33.94 0.49 0.00	35.23 0.62 0.00	38.76 1.15 0.00	42.49 1.24 -2.25	37.39 1.40 0.00	31.42 1.12 0.00	36.54 1.19 0.00	38.40 1.33 0.00	40.56 1.37 0.00	41.66 1.40 0.00	40.30 1.39 0.00	38.18 1.34 0.00	35.54 1.51 0.00	37.66 1.74 0.00	36.17 1.52 0.00	38.48 1.57 0.00	40.63 1.35 0.00	37.92 1.20 0.00	33.30 0.94 0.00	30.76 0.85 0.00
ETNA_____115KV_TB2 80207	37.98 0.51 0.00	32.31 0.30 0.00	31.72 0.33 0.00	30.72 0.35 0.00	33.94 0.49 0.00	35.23 0.62 0.00	38.76 1.15 0.00	42.49 1.24 -2.25	37.39 1.40 0.00	31.42 1.12 0.00	36.54 1.19 0.00	38.40 1.33 0.00	40.56 1.37 0.00	41.66 1.40 0.00	40.30 1.39 0.00	38.18 1.34 0.00	35.54 1.51 0.00	37.66 1.74 0.00	36.17 1.52 0.00	38.48 1.57 0.00	40.63 1.35 0.00	37.92 1.20 0.00	33.30 0.94 0.00	30.76 0.85 0.00
EUCLID__115KV_TB2 356179	36.57 -0.90 0.00	31.16 -0.84 0.00	30.60 -0.80 0.00	29.61 -0.76 0.00	32.64 -0.81 0.00	33.77 -0.83 0.00	36.91 -0.69 0.00	39.35 -0.71 -1.06	35.47 -0.52 0.00	29.86 -0.45 0.00	34.80 -0.56 0.00	36.50 -0.57 0.00	38.56 -0.63 0.00	39.60 -0.65 0.00	38.29 -0.61 0.00	36.28 -0.56 0.00	33.68 -0.36 0.00	35.62 -0.30 0.00	34.24 -0.42 0.00	36.43 -0.48 0.00	38.59 -0.69 0.00	36.02 -0.69 0.00	31.71 -0.65 0.00	29.32 -0.58 0.00
E_CANADA_CAP_HY 24051	39.48 2.00 0.00	33.66 1.65 0.00	32.99 1.60 0.00	31.93 1.57 0.00	35.27 1.81 0.00	44.37 2.03 -7.73	66.00 2.19 -26.21	89.99 2.41 -48.58	53.79 2.39 -15.41	32.48 2.17 0.00	37.76 2.40 0.00	39.42 2.34 0.00	41.69 2.50 0.00	42.71 2.45 0.00	41.28 2.37 0.00	39.01 2.18 0.00	36.08 2.04 0.00	38.09 2.18 0.00	36.68 2.03 0.00	39.26 2.34 0.00	41.63 2.35 0.00	38.79 2.08 0.00	34.18 1.82 0.00	31.57 1.66 0.00
E_CANADA_MHWK_HY 24050	36.71 -0.77 0.00	31.46 -0.54 0.00	30.78 -0.61 0.00	29.72 -0.65 0.00	32.82 -0.63 0.00	34.30 -0.30 0.00	38.18 0.58 0.00	39.89 0.89 0.00	36.70 0.71 0.00	30.51 0.20 0.00	35.79 0.43 0.00	37.75 0.68 0.00	39.86 0.68 0.00	40.90 0.65 0.00	39.70 0.79 0.00	37.83 1.00 0.00	35.41 1.38 0.00	37.65 1.74 0.00	36.31 1.66 0.00	38.26 1.35 0.00	40.48 1.20 0.00	37.77 1.06 0.00	33.02 0.66 0.00	30.25 0.34 0.00
E_FISHKILL__LBMP 23776	38.27 0.80 0.00	32.79 0.78 0.00	32.09 0.70 0.00	31.00 0.63 0.00	34.23 0.77 0.00	39.47 1.09 -3.78	52.51 2.08 -12.82	61.83 2.35 -20.47	45.56 2.03 -7.54	31.74 1.43 0.00	37.14 1.78 0.00	39.18 2.11 0.00	41.49 2.30 0.00	42.67 2.42 0.00	41.37 2.46 0.00	39.40 2.56 0.00	36.86 2.83 0.00	39.05 3.13 0.00	37.57 2.92 0.00	39.66 2.75 0.00	41.97 2.69 0.00	39.21 2.50 0.00	34.39 2.03 0.00	31.52 1.62 0.00
FALCON__SEABRD_CC1 323796	40.28 2.81 0.00	34.45 2.45 0.00	33.75 2.35 0.00	32.62 2.25 0.00	35.76 2.30 0.00	36.62 2.02 0.00	39.20 1.60 0.00	40.84 1.84 0.00	37.42 1.43 0.00	31.66 1.35 0.00	36.62 1.26 0.00	38.44 1.36 0.00	40.63 1.44 0.00	41.68 1.43 0.00	40.17 1.26 0.00	38.04 1.21 0.00	34.99 0.95 0.00	36.78 0.87 0.00	35.51 0.85 0.00	38.04 1.13 0.00	40.56 1.28 0.00	37.81 1.10 0.00	33.38 1.01 0.00	31.01 1.10 0.00
FALCON__SEABRD_CC2 323797	40.28 2.81 0.00	34.45 2.45 0.00	33.75 2.35 0.00	32.62 2.25 0.00	35.76 2.30 0.00	36.62 2.02 0.00	39.20 1.60 0.00	40.84 1.84 0.00	37.42 1.43 0.00	31.66 1.35 0.00	36.62 1.26 0.00	38.44 1.36 0.00	40.63 1.44 0.00	41.68 1.43 0.00	40.17 1.26 0.00	38.04 1.21 0.00	34.99 0.95 0.00	36.78 0.87 0.00	35.51 0.85 0.00	38.04 1.13 0.00	40.56 1.28 0.00	37.81 1.10 0.00	33.38 1.01 0.00	31.01 1.10 0.00
FAR ROCKAWAY__4 23548	39.63 2.16 0.00	33.79 1.79 0.00	33.11 1.72 0.00	31.95 1.59 0.00	35.32 1.86 0.00	44.83 2.19 -8.03	53.41 3.27 -12.54	62.59 3.49 -20.10	46.38 3.01 -7.38	32.55 2.24 0.00	38.11 2.75 0.00	40.26 3.18 0.00	42.50 3.32 0.00	43.66 3.41 0.00	42.35 3.44 0.00	40.60 3.76 0.00	38.07 4.02 0.00	40.19 4.28 0.00	38.57 3.91 0.00	40.79 3.88 0.00	43.23 3.95 0.00	40.46 3.75 0.00	35.48 3.11 0.00	32.70 2.79 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	38.46 0.98 0.00	32.90 0.90 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.38 0.92 0.00	39.58 1.28 -3.70	52.53 2.39 -12.54	61.85 2.76 -20.09	45.73 2.37 -7.37	32.02 1.71 0.00	37.40 2.04 0.00	39.51 2.44 0.00	41.85 2.66 0.00	43.05 2.80 0.00	41.77 2.87 0.00	39.82 2.99 0.00	37.30 3.27 0.00	39.51 3.60 0.00	37.98 3.33 0.00	40.02 3.11 0.00	42.33 3.04 0.00	39.53 2.82 0.00	34.66 2.29 0.00	31.71 1.80 0.00



FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	38.48 1.01 0.00	32.93 0.92 0.00	32.25 0.86 0.00	31.13 0.77 0.00	34.39 0.94 0.00	39.59 1.29 -3.70	52.56 2.41 -12.54	61.87 2.78 -20.09	45.75 2.39 -7.37	32.04 1.73 0.00	37.41 2.05 0.00	39.52 2.45 0.00	41.87 2.69 0.00	43.08 2.83 0.00	41.78 2.88 0.00	39.84 3.01 0.00	37.33 3.29 0.00	39.53 3.62 0.00	38.01 3.35 0.00	40.05 3.14 0.00	42.35 3.07 0.00	39.56 2.85 0.00	34.68 2.31 0.00	31.73 1.83 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	38.44 0.97 0.00	32.89 0.89 0.00	32.22 0.83 0.00	31.11 0.74 0.00	34.36 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.83 2.74 -20.09	45.71 2.35 -7.37	32.01 1.70 0.00	37.38 2.02 0.00	39.49 2.41 0.00	41.83 2.65 0.00	43.04 2.79 0.00	41.75 2.84 0.00	39.81 2.97 0.00	37.28 3.25 0.00	39.48 3.57 0.00	37.97 3.32 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.69 1.78 0.00
FARRAGUT___LBMP 323566	38.41 0.94 0.00	32.87 0.86 0.00	32.20 0.81 0.00	31.09 0.72 0.00	34.34 0.88 0.00	39.53 1.23 -3.70	52.49 2.34 -12.54	61.79 2.70 -20.09	45.67 2.31 -7.37	31.98 1.67 0.00	37.33 1.98 0.00	39.44 2.37 0.00	41.79 2.60 0.00	42.98 2.74 0.00	41.70 2.80 0.00	39.76 2.93 0.00	37.25 3.21 0.00	39.44 3.53 0.00	37.93 3.27 0.00	39.96 3.04 0.00	42.27 2.98 0.00	39.49 2.77 0.00	34.61 2.25 0.00	31.67 1.77 0.00
FENNER___WINDPWR 24204	37.95 0.47 0.00	32.35 0.34 0.00	31.76 0.37 0.00	30.76 0.39 0.00	33.98 0.53 0.00	35.27 0.66 0.00	38.65 1.04 0.00	41.32 1.17 -1.14	37.23 1.24 0.00	31.35 1.05 0.00	36.53 1.17 0.00	38.33 1.25 0.00	40.47 1.28 0.00	41.55 1.30 0.00	40.18 1.28 0.00	38.07 1.24 0.00	35.36 1.32 0.00	37.32 1.40 0.00	35.91 1.25 0.00	38.19 1.27 0.00	40.46 1.17 0.00	37.76 1.05 0.00	33.17 0.81 0.00	30.61 0.70 0.00
FIBERTEK___ENERGY 23856	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
FITZPATRICK____ 23598	36.12 -1.35 0.00	30.79 -1.21 0.00	30.23 -1.16 0.00	29.25 -1.12 0.00	32.23 -1.22 0.00	33.31 -1.30 0.00	36.35 -1.25 0.00	38.52 -1.29 -0.81	34.88 -1.10 0.00	29.37 -0.94 0.00	34.24 -1.12 0.00	35.91 -1.16 0.00	37.93 -1.26 0.00	38.94 -1.30 0.00	37.64 -1.27 0.00	35.65 -1.19 0.00	33.06 -0.98 0.00	34.94 -0.97 0.00	33.63 -1.03 0.00	35.79 -1.12 0.00	37.96 -1.33 0.00	35.45 -1.26 0.00	31.23 -1.13 0.00	28.89 -1.02 0.00
FLOWRFLD_69_KV_BK1 356044	39.97 2.50 0.00	33.99 1.98 0.00	33.36 1.97 0.00	32.18 1.81 0.00	35.64 2.18 0.00	46.31 2.91 -8.80	54.20 4.05 -12.54	63.41 4.31 -20.10	47.08 3.72 -7.38	33.09 2.78 0.00	38.61 3.25 0.00	40.79 3.71 0.00	43.05 3.86 0.00	44.24 3.99 0.00	42.87 3.97 0.00	41.29 4.45 0.00	38.85 4.81 0.00	41.06 5.15 0.00	39.32 4.67 0.00	41.51 4.59 0.00	43.96 4.67 0.00	41.21 4.50 0.00	36.13 3.77 0.00	33.02 3.12 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	38.72 1.24 0.00	33.14 1.13 0.00	32.45 1.06 0.00	31.34 0.98 0.00	34.63 1.17 0.00	36.14 1.54 0.00	43.48 2.53 -3.34	57.34 2.84 -15.49	38.49 2.50 0.00	32.11 1.81 0.00	37.57 2.21 0.00	39.64 2.57 0.00	42.00 2.82 0.00	43.20 2.95 0.00	41.88 2.98 0.00	39.89 3.05 0.00	37.34 3.31 0.00	39.59 3.68 0.00	38.08 3.43 0.00	40.22 3.30 0.00	42.52 3.23 0.00	39.69 2.98 0.00	34.79 2.43 0.00	31.86 1.96 0.00
FORT ORANGE____ 23900	38.03 0.56 0.00	32.55 0.55 0.00	31.87 0.48 0.00	30.79 0.42 0.00	33.91 0.46 0.00	18.58 0.53 16.56	-17.89 0.63 56.12	-7.94 0.73 47.67	3.48 0.50 33.00	30.51 0.20 0.00	35.81 0.45 0.00	37.62 0.55 0.00	39.79 0.60 0.00	40.88 0.62 0.00	39.59 0.68 0.00	37.60 0.76 0.00	34.98 0.94 0.00	37.04 1.12 0.00	35.69 1.04 0.00	37.86 0.95 0.00	40.20 0.92 0.00	37.53 0.82 0.00	32.99 0.63 0.00	30.37 0.46 0.00
FORT_DRUM_COGEN 23780	37.54 0.06 0.00	31.96 -0.05 0.00	31.37 -0.03 0.00	30.37 0.01 0.00	33.53 0.08 0.00	34.78 0.17 0.00	38.12 0.51 0.00	40.24 0.64 -0.60	36.70 0.71 0.00	30.96 0.65 0.00	36.08 0.72 0.00	37.84 0.76 0.00	39.91 0.72 0.00	41.02 0.77 0.00	39.66 0.75 0.00	37.40 0.56 0.00	34.74 0.71 0.00	36.67 0.75 0.00	35.32 0.66 0.00	37.63 0.72 0.00	39.97 0.69 0.00	37.29 0.58 0.00	32.70 0.34 0.00	30.10 0.19 0.00
FOX_HILLS___ESR 323835	38.51 1.04 0.00	32.94 0.94 0.00	32.25 0.86 0.00	31.14 0.77 0.00	34.40 0.94 0.00	39.64 1.34 -3.70	52.57 2.42 -12.54	61.90 2.80 -20.09	45.73 2.37 -7.37	31.98 1.67 0.00	37.30 1.94 0.00	39.48 2.40 0.00	41.83 2.65 0.00	42.99 2.75 0.00	41.74 2.83 0.00	39.78 2.94 0.00	37.28 3.24 0.00	39.47 3.56 0.00	38.00 3.35 0.00	40.04 3.12 0.00	42.36 3.08 0.00	39.64 2.92 0.00	34.75 2.39 0.00	31.78 1.88 0.00
FPL_FAR_ROCK_GT1 24212	39.64 2.16 0.00	33.79 1.78 0.00	33.11 1.72 0.00	31.95 1.59 0.00	35.31 1.86 0.00	44.80 2.17 -8.03	53.41 3.27 -12.54	62.58 3.49 -20.10	46.36 2.99 -7.38	32.54 2.24 0.00	38.11 2.75 0.00	40.26 3.19 0.00	42.51 3.32 0.00	43.67 3.42 0.00	42.35 3.44 0.00	40.60 3.76 0.00	38.07 4.02 0.00	40.19 4.27 0.00	38.57 3.91 0.00	40.79 3.88 0.00	43.23 3.95 0.00	40.46 3.75 0.00	35.47 3.11 0.00	32.70 2.79 0.00
FPL_FAR_ROCK_GT2 23815	39.64 2.16 0.00	33.79 1.78 0.00	33.11 1.72 0.00	31.95 1.59 0.00	35.31 1.86 0.00	44.80 2.17 -8.03	53.41 3.27 -12.54	62.58 3.49 -20.10	46.36 2.99 -7.38	32.54 2.24 0.00	38.11 2.75 0.00	40.26 3.19 0.00	42.51 3.32 0.00	43.67 3.42 0.00	42.35 3.44 0.00	40.60 3.76 0.00	38.07 4.02 0.00	40.19 4.27 0.00	38.57 3.91 0.00	40.79 3.88 0.00	43.23 3.95 0.00	40.46 3.75 0.00	35.47 3.11 0.00	32.70 2.79 0.00
FRANKLIN_FALL_HYD 24054	39.88 2.40 0.00	34.10 2.10 0.00	33.43 2.03 0.00	32.34 1.97 0.00	35.51 2.05 0.00	36.44 1.84 0.00	39.05 1.45 0.00	40.69 1.69 0.00	37.39 1.40 0.00	31.72 1.41 0.00	36.89 1.53 0.00	38.61 1.54 0.00	40.82 1.63 0.00	41.91 1.66 0.00	40.41 1.50 0.00	38.04 1.21 0.00	34.95 0.91 0.00	36.69 0.78 0.00	35.56 0.91 0.00	38.10 1.18 0.00	40.71 1.42 0.00	38.08 1.37 0.00	33.67 1.30 0.00	31.19 1.29 0.00
FREEPORT_EQUS_GT1 23764	39.35 1.87 0.00	33.52 1.52 0.00	32.86 1.47 0.00	31.71 1.34 0.00	35.08 1.63 0.00	44.80 2.23 -7.96	53.46 3.31 -12.54	62.60 3.50 -20.10	46.38 3.01 -7.38	32.56 2.26 0.00	38.08 2.72 0.00	40.23 3.16 0.00	42.49 3.30 0.00	43.63 3.38 0.00	42.30 3.40 0.00	40.57 3.73 0.00	38.08 4.04 0.00	40.24 4.33 0.00	38.58 3.92 0.00	40.78 3.87 0.00	43.20 3.92 0.00	40.46 3.75 0.00	35.50 3.14 0.00	32.46 2.56 0.00



FREEPORT___CT2 23818	39.35 1.87 0.00	33.52 1.52 0.00	32.86 1.47 0.00	31.71 1.34 0.00	35.08 1.63 0.00	44.80 2.23 -7.96	53.46 3.31 -12.54	62.60 3.50 -20.10	46.38 3.01 -7.38	32.56 2.26 0.00	38.08 2.72 0.00	40.23 3.16 0.00	42.49 3.30 0.00	43.63 3.38 0.00	42.30 3.40 0.00	40.57 3.73 0.00	38.08 4.04 0.00	40.24 4.33 0.00	38.58 3.92 0.00	40.78 3.87 0.00	43.20 3.92 0.00	40.46 3.75 0.00	35.50 3.14 0.00	32.46 2.56 0.00
FRESHKLS_33_KV_LOAD 356253	38.52 1.05 0.00	32.92 0.91 0.00	32.24 0.84 0.00	31.15 0.78 0.00	34.42 0.97 0.00	39.67 1.37 -3.70	52.60 2.45 -12.54	61.91 2.82 -20.09	45.73 2.37 -7.37	31.95 1.65 0.00	37.23 1.87 0.00	39.43 2.36 0.00	41.79 2.60 0.00	42.93 2.68 0.00	41.68 2.77 0.00	39.73 2.89 0.00	37.23 3.20 0.00	39.41 3.50 0.00	37.96 3.30 0.00	39.97 3.05 0.00	42.30 3.02 0.00	39.63 2.92 0.00	34.75 2.39 0.00	31.79 1.89 0.00
FULTON COGEN____ 23766	36.56 -0.91 0.00	31.13 -0.87 0.00	30.56 -0.83 0.00	29.59 -0.77 0.00	32.62 -0.84 0.00	33.75 -0.85 0.00	36.92 -0.69 0.00	39.31 -0.70 -1.01	35.46 -0.53 0.00	29.84 -0.47 0.00	34.77 -0.58 0.00	36.47 -0.60 0.00	38.50 -0.69 0.00	39.51 -0.74 0.00	38.19 -0.72 0.00	36.17 -0.66 0.00	33.60 -0.43 0.00	35.54 -0.37 0.00	34.18 -0.48 0.00	36.37 -0.55 0.00	38.53 -0.76 0.00	35.95 -0.76 0.00	31.64 -0.72 0.00	29.25 -0.66 0.00
FULTON___LFGE 323630	41.01 3.54 0.00	34.95 2.95 0.00	34.25 2.86 0.00	33.13 2.77 0.00	36.66 3.20 0.00	46.64 3.59 -8.45	70.55 4.28 -28.66	96.54 4.67 -52.87	57.23 4.39 -16.85	33.86 3.56 0.00	39.42 4.06 0.00	41.25 4.17 0.00	43.44 4.25 0.00	44.64 4.39 0.00	43.33 4.42 0.00	41.14 4.31 0.00	38.46 4.43 0.00	40.69 4.78 0.00	39.14 4.49 0.00	41.71 4.80 0.00	44.11 4.83 0.00	40.99 4.28 0.00	35.95 3.59 0.00	33.04 3.14 0.00
G.F.CEMENT___DRP 24184	38.71 1.24 0.00	33.16 1.16 0.00	32.60 1.20 0.00	31.47 1.11 0.00	34.73 1.28 0.00	82.06 1.63 -45.83	195.88 2.92 -155.35	235.99 3.01 -193.97	130.07 2.74 -91.35	32.19 1.89 0.00	37.61 2.25 0.00	39.34 2.26 0.00	41.35 2.16 0.00	42.48 2.23 0.00	41.04 2.13 0.00	39.02 2.18 0.00	36.41 2.37 0.00	38.47 2.56 0.00	37.02 2.37 0.00	39.19 2.28 0.00	41.42 2.13 0.00	38.85 2.14 0.00	34.09 1.72 0.00	31.30 1.40 0.00
GARDENVILLE___LBMP 24039	37.61 0.13 0.00	31.65 -0.35 0.00	31.45 0.05 0.00	30.45 0.08 0.00	33.63 0.17 0.00	34.56 -0.04 0.00	37.54 -0.06 0.00	40.37 -0.39 -1.76	36.53 0.54 0.00	31.47 0.57 -0.60	37.01 0.40 -1.26	37.39 0.32 0.00	39.50 0.31 0.00	40.57 0.32 0.00	39.13 0.22 0.00	36.75 -0.08 0.00	34.16 0.12 0.00	36.25 0.34 0.00	34.42 -0.24 0.00	36.98 0.06 0.00	38.85 -0.43 0.00	36.31 -0.40 0.00	32.26 -0.10 0.00	30.32 0.41 0.00
GARDNVLA_35_KV_LD 355827	37.79 0.32 0.00	31.81 -0.20 0.00	31.61 0.21 0.00	30.60 0.23 0.00	33.79 0.33 0.00	34.73 0.12 0.00	37.73 0.13 0.00	40.59 -0.17 -1.76	36.75 0.76 0.00	31.07 0.76 0.00	35.96 0.61 0.00	37.62 0.55 0.00	39.74 0.55 0.00	40.82 0.57 0.00	39.36 0.46 0.00	36.97 0.14 0.00	34.36 0.33 0.00	36.48 0.56 0.00	34.63 -0.02 0.00	37.22 0.30 0.00	39.10 -0.18 0.00	36.55 -0.17 0.00	32.45 0.09 0.00	30.47 0.56 0.00
GELCKHM___115KV_LOAD 80723	36.75 -0.72 0.00	31.31 -0.69 0.00	30.74 -0.66 0.00	29.75 -0.62 0.00	32.80 -0.65 0.00	33.95 -0.65 0.00	37.13 -0.47 0.00	39.62 -0.48 -1.11	35.68 -0.31 0.00	30.03 -0.27 0.00	35.00 -0.35 0.00	36.72 -0.35 0.00	38.77 -0.41 0.00	39.82 -0.43 0.00	38.50 -0.41 0.00	36.49 -0.35 0.00	33.88 -0.16 0.00	35.83 -0.08 0.00	34.44 -0.21 0.00	36.65 -0.26 0.00	38.82 -0.47 0.00	36.23 -0.48 0.00	31.88 -0.48 0.00	29.48 -0.43 0.00
GENERAL___MILLS 23808	37.75 0.27 0.00	31.78 -0.23 0.00	31.57 0.18 0.00	30.57 0.20 0.00	33.76 0.31 0.00	34.69 0.09 0.00	37.69 0.09 0.00	40.53 -0.23 -1.76	36.69 0.70 0.00	31.01 0.70 0.00	35.91 0.55 0.00	37.56 0.49 0.00	39.67 0.48 0.00	40.74 0.49 0.00	39.30 0.39 0.00	36.90 0.07 0.00	34.30 0.27 0.00	36.41 0.50 0.00	34.56 -0.09 0.00	37.15 0.23 0.00	39.04 -0.25 0.00	36.48 -0.23 0.00	32.40 0.04 0.00	30.43 0.53 0.00
GE_PLASTICS___DRP 24183	37.96 0.48 0.00	32.49 0.49 0.00	31.82 0.43 0.00	30.75 0.39 0.00	33.91 0.45 0.00	23.76 0.59 11.43	-0.37 0.79 38.76	9.85 0.91 30.05	13.89 0.69 22.79	30.68 0.37 0.00	35.97 0.61 0.00	37.78 0.71 0.00	39.96 0.77 0.00	41.06 0.81 0.00	39.76 0.85 0.00	37.76 0.93 0.00	35.13 1.10 0.00	37.17 1.26 0.00	35.83 1.18 0.00	38.03 1.11 0.00	40.33 1.04 0.00	37.67 0.96 0.00	33.13 0.77 0.00	30.51 0.61 0.00
GILBOA___1 23756	37.98 0.50 0.00	32.47 0.47 0.00	31.83 0.44 0.00	30.77 0.40 0.00	33.94 0.49 0.00	35.38 0.77 0.00	38.70 1.10 0.00	45.98 1.22 -5.75	37.04 1.05 0.00	31.01 0.70 0.00	36.26 0.90 0.00	38.12 1.04 0.00	40.33 1.14 0.00	41.44 1.19 0.00	40.13 1.22 0.00	38.11 1.27 0.00	35.35 1.32 0.00	37.42 1.51 0.00	36.08 1.43 0.00	38.30 1.39 0.00	40.66 1.37 0.00	38.01 1.29 0.00	33.40 1.04 0.00	30.74 0.83 0.00
GILBOA___2 23757	37.98 0.50 0.00	32.47 0.47 0.00	31.83 0.44 0.00	30.77 0.40 0.00	33.94 0.49 0.00	35.38 0.77 0.00	38.70 1.10 0.00	45.98 1.22 -5.75	37.04 1.05 0.00	31.01 0.70 0.00	36.26 0.90 0.00	38.12 1.04 0.00	40.33 1.14 0.00	41.44 1.19 0.00	40.13 1.22 0.00	38.11 1.27 0.00	35.35 1.32 0.00	37.42 1.51 0.00	36.08 1.43 0.00	38.30 1.39 0.00	40.66 1.37 0.00	38.01 1.29 0.00	33.40 1.04 0.00	30.74 0.83 0.00
GILBOA___3 23758	37.98 0.50 0.00	32.47 0.47 0.00	31.83 0.44 0.00	30.77 0.40 0.00	33.94 0.49 0.00	35.38 0.77 0.00	38.70 1.10 0.00	45.98 1.22 -5.75	37.04 1.05 0.00	31.01 0.70 0.00	36.26 0.90 0.00	38.12 1.04 0.00	40.33 1.14 0.00	41.44 1.19 0.00	40.13 1.22 0.00	38.11 1.27 0.00	35.35 1.32 0.00	37.42 1.51 0.00	36.08 1.43 0.00	38.30 1.39 0.00	40.66 1.37 0.00	38.01 1.29 0.00	33.40 1.04 0.00	30.74 0.83 0.00
GILBOA___4 23759	37.98 0.50 0.00	32.47 0.47 0.00	31.83 0.44 0.00	30.77 0.40 0.00	33.94 0.49 0.00	35.38 0.77 0.00	38.70 1.10 0.00	45.98 1.22 -5.75	37.04 1.05 0.00	31.01 0.70 0.00	36.26 0.90 0.00	38.12 1.04 0.00	40.33 1.14 0.00	41.44 1.19 0.00	40.13 1.22 0.00	38.11 1.27 0.00	35.35 1.32 0.00	37.42 1.51 0.00	36.08 1.43 0.00	38.30 1.39 0.00	40.66 1.37 0.00	38.01 1.29 0.00	33.40 1.04 0.00	30.74 0.83 0.00
GILBOA____ 23599	37.97 0.49 0.00	32.47 0.47 0.00	31.83 0.44 0.00	30.77 0.40 0.00	33.94 0.49 0.00	35.38 0.77 0.00	38.71 1.11 0.00	45.99 1.24 -5.75	37.06 1.07 0.00	31.01 0.70 0.00	36.26 0.90 0.00	38.12 1.04 0.00	40.32 1.14 0.00	41.44 1.19 0.00	40.12 1.22 0.00	38.10 1.27 0.00	35.35 1.32 0.00	37.42 1.51 0.00	36.08 1.43 0.00	38.30 1.38 0.00	40.66 1.37 0.00	38.01 1.30 0.00	33.40 1.04 0.00	30.74 0.83 0.00



GINNA____ 23603	30.54 -2.02 4.91	29.27 -1.95 0.79	28.89 -1.76 0.74	27.77 -1.68 0.91	30.44 -1.78 1.24	31.07 -1.91 1.62	35.43 -1.91 0.27	38.32 -1.97 -1.29	31.67 -1.51 2.81	28.44 -1.17 0.70	33.87 -1.49 0.00	35.45 -1.62 0.00	37.41 -1.78 0.00	38.44 -1.81 0.00	37.12 -1.78 0.00	35.04 -1.79 0.00	32.60 -1.44 0.00	34.50 -1.41 0.00	32.94 -1.71 0.00	34.87 -1.74 0.31	36.58 -2.13 0.57	34.47 -2.08 0.17	29.58 -1.79 1.00	27.96 -1.47 0.48
GLEN PARK____ 23778	37.55 0.07 0.00	31.96 -0.05 0.00	31.36 -0.03 0.00	30.37 0.00 0.00	33.53 0.08 0.00	34.79 0.19 0.00	38.19 0.58 0.00	40.37 0.74 -0.63	36.79 0.80 0.00	31.02 0.72 0.00	36.15 0.80 0.00	37.92 0.84 0.00	40.01 0.82 0.00	41.10 0.85 0.00	39.76 0.86 0.00	37.49 0.66 0.00	34.86 0.82 0.00	36.80 0.89 0.00	35.43 0.77 0.00	37.75 0.83 0.00	40.08 0.80 0.00	37.36 0.65 0.00	32.75 0.39 0.00	30.12 0.21 0.00
GLENDALE_27_KV_LOAD 356172	38.59 1.11 0.00	33.03 1.02 0.00	32.34 0.94 0.00	31.22 0.85 0.00	34.49 1.03 0.00	39.72 1.42 -3.70	52.69 2.54 -12.54	62.02 2.92 -20.09	45.90 2.54 -7.37	32.16 1.85 0.00	37.57 2.21 0.00	39.69 2.62 0.00	42.06 2.87 0.00	43.29 3.04 0.00	41.99 3.09 0.00	40.04 3.21 0.00	37.51 3.48 0.00	39.72 3.81 0.00	38.20 3.55 0.00	40.25 3.34 0.00	42.57 3.29 0.00	39.76 3.05 0.00	34.82 2.46 0.00	31.84 1.93 0.00
GLENWOOD_IC_1_G5 23712	39.01 1.53 0.00	33.30 1.30 0.00	32.63 1.24 0.00	31.50 1.14 0.00	34.83 1.38 0.00	43.38 1.87 -6.90	53.10 2.96 -12.54	62.19 3.09 -20.10	46.03 2.67 -7.38	32.27 1.96 0.00	37.86 2.50 0.00	39.98 2.91 0.00	42.28 3.10 0.00	43.44 3.19 0.00	42.13 3.22 0.00	40.29 3.45 0.00	37.66 3.62 -0.01	39.81 3.90 0.00	38.21 3.56 0.00	40.35 3.43 0.00	42.71 3.43 0.00	39.95 3.24 0.00	35.02 2.66 0.00	32.06 2.16 0.00
GLENWOOD_IC_2_G1 23688	38.77 1.29 0.00	33.13 1.12 0.00	32.46 1.06 0.00	31.33 0.96 0.00	34.63 1.17 0.00	40.45 1.61 -4.24	52.83 2.68 -12.54	62.04 2.94 -20.10	45.89 2.52 -7.38	32.16 1.85 0.00	37.61 2.26 0.00	39.72 2.64 0.00	42.02 2.83 0.00	43.19 2.94 0.00	41.88 2.98 0.00	40.00 3.17 0.00	37.48 3.44 0.00	39.64 3.73 0.00	38.08 3.43 0.00	40.20 3.29 0.00	42.54 3.26 0.00	39.78 3.07 0.00	34.89 2.53 0.00	31.94 2.03 0.00
GLENWOOD_IC_3_G1 23689	38.77 1.29 0.00	33.13 1.12 0.00	32.46 1.06 0.00	31.33 0.96 0.00	34.63 1.17 0.00	40.45 1.61 -4.24	52.83 2.68 -12.54	62.04 2.94 -20.10	45.89 2.52 -7.38	32.16 1.85 0.00	37.61 2.26 0.00	39.72 2.64 0.00	42.02 2.83 0.00	43.19 2.94 0.00	41.88 2.98 0.00	40.00 3.17 0.00	37.48 3.44 0.00	39.64 3.73 0.00	38.08 3.43 0.00	40.20 3.29 0.00	42.54 3.26 0.00	39.78 3.07 0.00	34.89 2.53 0.00	31.94 2.03 0.00
GLENWOOD____4 23550	39.01 1.53 0.00	33.30 1.30 0.00	32.63 1.24 0.00	31.50 1.14 0.00	34.83 1.38 0.00	43.38 1.87 -6.90	53.11 2.96 -12.54	62.25 3.15 -20.10	46.08 2.71 -7.38	32.31 2.00 0.00	37.86 2.50 0.00	39.98 2.91 0.00	42.28 3.10 0.00	43.44 3.19 0.00	42.13 3.22 0.00	40.29 3.45 0.00	37.69 3.65 -0.01	39.85 3.94 0.00	38.26 3.60 0.00	40.40 3.48 0.00	42.77 3.48 0.00	40.00 3.29 0.00	35.06 2.70 0.00	32.10 2.19 0.00
GLENWOOD____5 23614	39.01 1.53 0.00	33.30 1.30 0.00	32.63 1.24 0.00	31.50 1.14 0.00	34.83 1.38 0.00	43.38 1.87 -6.90	53.11 2.96 -12.54	62.25 3.15 -20.10	46.08 2.71 -7.38	32.31 2.00 0.00	37.86 2.50 0.00	39.98 2.91 0.00	42.28 3.10 0.00	43.44 3.19 0.00	42.13 3.22 0.00	40.29 3.45 0.00	37.69 3.65 -0.01	39.85 3.94 0.00	38.26 3.60 0.00	40.40 3.48 0.00	42.77 3.48 0.00	40.00 3.29 0.00	35.06 2.70 0.00	32.10 2.19 0.00
GLOBAL GREEN_PORT_GT1 23814	41.16 3.69 0.00	34.95 2.94 0.00	34.35 2.96 0.00	33.15 2.79 0.00	36.76 3.30 0.00	47.55 4.13 -8.81	55.66 5.51 -12.54	64.98 5.88 -20.10	48.46 5.10 -7.38	34.14 3.83 0.00	39.84 4.48 0.00	42.14 5.06 0.00	44.62 5.43 0.00	45.87 5.62 0.00	44.53 5.62 0.00	42.87 6.03 0.00	40.42 6.38 0.00	42.75 6.84 0.00	40.89 6.23 0.00	43.16 6.24 0.00	45.60 6.32 0.00	42.59 5.87 0.00	37.28 4.91 0.00	34.02 4.11 0.00
GLOBE____DSASP 323697	36.29 -1.18 0.00	30.47 -1.53 0.00	30.28 -1.11 0.00	29.30 -1.07 0.00	32.38 -1.08 0.00	33.34 -1.27 0.00	35.98 -1.62 0.00	38.42 -2.27 -1.68	34.77 -1.22 0.00	29.38 -0.92 0.00	34.00 -1.35 0.00	35.43 -1.64 0.00	37.41 -1.78 0.00	38.45 -1.80 0.00	37.06 -1.85 0.00	34.78 -2.06 0.00	32.29 -1.75 0.00	34.21 -1.70 0.00	32.41 -2.24 0.00	34.94 -1.97 0.00	36.78 -2.51 0.00	34.36 -2.35 0.00	30.66 -1.70 0.00	29.12 -0.79 0.00
GOETHSLN____LBMP 323567	38.22 0.74 0.00	32.70 0.70 0.00	32.03 0.64 0.00	30.91 0.54 0.00	34.15 0.70 0.00	39.36 1.05 -3.70	52.28 2.13 -12.54	61.56 2.47 -20.09	45.44 2.08 -7.37	30.60 1.46 1.16	34.62 1.72 2.46	39.18 2.11 0.00	41.52 2.33 0.00	42.73 2.48 0.00	41.44 2.53 0.00	39.51 2.67 0.00	37.02 2.98 0.00	39.21 3.30 0.00	37.70 3.04 0.00	39.71 2.80 0.00	42.04 2.76 0.00	39.26 2.54 0.00	34.41 2.04 0.00	31.47 1.57 0.00
GOLAH____69_KV_TB 1_2 80279	37.55 0.07 0.00	31.91 -0.09 0.00	31.54 0.15 0.00	30.55 0.18 0.00	33.77 0.32 0.00	34.75 0.14 0.00	37.83 0.22 0.00	40.30 -0.03 -1.33	36.56 0.57 0.00	30.90 0.59 0.00	35.90 0.54 0.00	37.53 0.45 0.00	39.54 0.36 0.00	40.60 0.35 0.00	39.21 0.30 0.00	36.94 0.10 0.00	34.35 0.31 0.00	36.42 0.51 0.00	34.71 0.06 0.00	37.17 0.25 0.00	39.23 -0.06 0.00	36.54 -0.17 0.00	32.40 0.04 0.00	30.30 0.39 0.00
GOODYEAR_LAKE_HYD 323669	38.51 1.03 0.00	32.83 0.82 0.00	32.19 0.80 0.00	31.14 0.77 0.00	34.43 0.97 0.00	35.88 1.28 0.00	39.33 1.73 0.00	49.62 1.91 -8.71	37.95 1.96 0.00	31.92 1.61 0.00	37.19 1.83 0.00	39.03 1.96 0.00	41.29 2.10 0.00	42.41 2.16 0.00	41.08 2.17 0.00	38.94 2.10 0.00	36.18 2.14 0.00	38.32 2.41 0.00	36.85 2.20 0.00	39.18 2.27 0.00	41.48 2.20 0.00	38.70 1.99 0.00	33.98 1.62 0.00	31.31 1.40 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	37.45 -0.03 0.00	31.85 -0.16 0.00	31.34 -0.05 0.00	30.32 -0.04 0.00	33.48 0.02 0.00	34.70 0.10 0.00	38.10 0.49 0.00	42.56 0.53 -3.03	36.74 0.75 0.00	30.86 0.55 0.00	35.95 0.60 0.00	37.81 0.73 0.00	39.96 0.77 0.00	41.04 0.79 0.00	39.72 0.81 0.00	37.62 0.78 0.00	34.97 0.94 0.00	37.06 1.14 0.00	35.60 0.94 0.00	37.83 0.91 0.00	39.96 0.67 0.00	37.35 0.64 0.00	32.83 0.46 0.00	30.34 0.44 0.00
GOUDEY____7 23579	37.47 0.00 0.00	31.87 -0.13 0.00	31.36 -0.03 0.00	30.34 -0.03 0.00	33.50 0.04 0.00	34.74 0.13 0.00	38.13 0.53 0.00	42.59 0.57 -3.03	36.78 0.80 0.00	30.89 0.58 0.00	35.99 0.64 0.00	37.84 0.77 0.00	40.00 0.81 0.00	41.08 0.83 0.00	39.75 0.85 0.00	37.66 0.82 0.00	35.01 0.98 0.00	37.10 1.19 0.00	35.63 0.98 0.00	37.87 0.95 0.00	40.00 0.72 0.00	37.39 0.68 0.00	32.86 0.49 0.00	30.37 0.46 0.00



GOUDEY___8 23580	37.45 -0.03 0.00	31.85 -0.16 0.00	31.34 -0.05 0.00	30.32 -0.04 0.00	33.48 0.02 0.00	34.70 0.10 0.00	38.10 0.49 0.00	42.56 0.53 -3.03	36.74 0.75 0.00	30.86 0.55 0.00	35.95 0.60 0.00	37.81 0.73 0.00	39.96 0.77 0.00	41.04 0.79 0.00	39.72 0.81 0.00	37.62 0.78 0.00	34.97 0.94 0.00	37.06 1.14 0.00	35.60 0.94 0.00	37.83 0.91 0.00	39.96 0.67 0.00	37.35 0.64 0.00	32.83 0.46 0.00	30.34 0.44 0.00
GOWANUS_GT1_1 24077	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_2 24078	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_3 24079	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_4 24080	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_5 24084	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_6 24111	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_7 24112	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT1_8 24113	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT2_1 24114	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_2 24115	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_3 24116	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_4 24117	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_5 24118	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_6 24119	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00



GOWANUS_GT2_7 24120	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT2_8 24121	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_1 24122	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_2 24123	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_3 24124	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_4 24125	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_5 24126	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_6 24127	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_7 24128	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT3_8 24129	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
GOWANUS_GT4_1 24130	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_2 24131	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_3 24132	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_4 24133	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_5 24134	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00



GOWANUS_GT4_6 24135	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_7 24136	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GOWANUS_GT4_8 24137	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GREENBSH_115KV_TB3 55895	37.78 0.30 0.00	32.34 0.33 0.00	31.67 0.28 0.00	30.60 0.24 0.00	33.73 0.27 0.00	17.46 0.39 17.54	-21.25 0.60 59.46	-11.26 0.72 50.99	1.52 0.49 34.96	30.47 0.16 0.00	35.76 0.41 0.00	37.58 0.50 0.00	39.75 0.56 0.00	40.84 0.59 0.00	39.54 0.63 0.00	37.56 0.73 0.00	34.97 0.94 0.00	36.99 1.08 0.00	35.64 0.99 0.00	37.81 0.90 0.00	40.10 0.82 0.00	37.46 0.75 0.00	32.95 0.59 0.00	30.34 0.43 0.00
GREENDGE_115KV_TB5 80291	37.62 0.15 0.00	31.95 -0.06 0.00	31.51 0.11 0.00	30.53 0.16 0.00	33.77 0.32 0.00	34.96 0.36 0.00	38.37 0.76 0.00	41.58 0.59 -1.99	37.11 1.13 0.00	31.32 1.01 0.00	36.10 0.74 0.00	38.13 1.05 0.00	40.00 0.82 0.00	41.08 0.83 0.00	39.73 0.82 0.00	37.59 0.75 0.00	35.00 0.96 0.00	37.13 1.22 0.00	35.55 0.90 0.00	37.88 0.96 0.00	39.88 0.60 0.00	37.38 0.67 0.00	32.98 0.62 0.00	30.60 0.69 0.00
GREENIDGE___3 23582	37.62 0.15 0.00	31.95 -0.06 0.00	31.51 0.11 0.00	30.53 0.16 0.00	33.77 0.32 0.00	34.96 0.36 0.00	38.37 0.76 0.00	41.58 0.59 -1.99	37.11 1.13 0.00	31.32 1.01 0.00	36.10 0.74 0.00	38.13 1.05 0.00	40.00 0.82 0.00	41.08 0.83 0.00	39.73 0.82 0.00	37.59 0.75 0.00	35.00 0.96 0.00	37.13 1.22 0.00	35.55 0.90 0.00	37.88 0.96 0.00	39.88 0.60 0.00	37.38 0.67 0.00	32.98 0.62 0.00	30.60 0.69 0.00
GREENIDGE___4 23583	40.14 0.16 -2.50	32.36 -0.05 -0.40	31.89 0.12 -0.38	30.99 0.16 -0.46	34.41 0.33 -0.63	35.78 0.35 -0.82	38.49 0.75 -0.14	41.63 0.64 -1.99	38.54 1.12 -1.43	31.68 1.02 -0.36	36.09 0.74 0.00	38.13 1.06 0.00	40.00 0.81 0.00	41.08 0.83 0.00	39.73 0.83 0.00	37.59 0.75 0.00	35.00 0.96 0.00	37.13 1.22 0.00	35.56 0.90 0.00	38.04 0.96 -0.16	40.18 0.60 -0.29	37.46 0.67 -0.08	33.49 0.62 -0.51	30.84 0.69 -0.24
GREENLWN_69_KV_BK 3 55738	39.43 1.95 0.00	33.59 1.59 0.00	32.95 1.56 0.00	31.80 1.43 0.00	35.16 1.71 0.00	45.73 2.38 -8.75	53.56 3.41 -12.54	62.72 3.63 -20.10	46.45 3.09 -7.38	32.61 2.30 0.00	38.08 2.72 0.00	40.17 3.10 0.00	42.29 3.10 0.00	43.41 3.16 0.00	42.09 3.18 0.00	40.42 3.59 0.00	37.96 3.92 0.00	40.06 4.15 0.00	38.39 3.73 0.00	40.54 3.62 0.00	42.98 3.69 0.00	40.35 3.63 0.00	35.48 3.11 0.00	32.48 2.58 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	38.57 1.09 0.00	33.01 1.01 0.00	32.32 0.93 0.00	31.17 0.81 0.00	34.42 0.97 0.00	39.65 1.35 -3.70	52.61 2.46 -12.54	61.94 2.85 -20.09	45.80 2.43 -7.37	32.05 1.74 0.00	37.42 2.07 0.00	39.59 2.51 0.00	41.94 2.75 0.00	43.12 2.86 0.00	41.84 2.93 0.00	39.90 3.07 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.46 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.92 0.00
GRISSOM___SOLAR 323813	41.01 3.54 0.00	34.95 2.95 0.00	34.25 2.86 0.00	33.13 2.77 0.00	36.66 3.20 0.00	46.64 3.59 -8.45	70.55 4.28 -28.66	96.54 4.67 -52.87	57.23 4.39 -16.85	33.86 3.56 0.00	39.42 4.06 0.00	41.25 4.17 0.00	43.44 4.25 0.00	44.64 4.39 0.00	43.33 4.42 0.00	41.14 4.31 0.00	38.46 4.43 0.00	40.69 4.78 0.00	39.14 4.49 0.00	41.71 4.80 0.00	44.11 4.83 0.00	40.99 4.28 0.00	35.95 3.59 0.00	33.04 3.14 0.00
GROVEVILLE___HYD 323602	38.72 1.24 0.00	33.14 1.13 0.00	32.45 1.06 0.00	31.34 0.98 0.00	34.63 1.17 0.00	36.14 1.54 0.00	43.48 2.53 -3.34	57.34 2.84 -15.49	38.49 2.50 0.00	32.11 1.81 0.00	37.57 2.21 0.00	39.64 2.57 0.00	42.00 2.82 0.00	43.20 2.95 0.00	41.88 2.98 0.00	39.89 3.05 0.00	37.34 3.31 0.00	39.59 3.68 0.00	38.08 3.43 0.00	40.22 3.30 0.00	42.52 3.23 0.00	39.69 2.98 0.00	34.79 2.43 0.00	31.86 1.96 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
HAMLTNNY_34_KV_TB 80303	37.16 -0.31 0.00	31.65 -0.36 0.00	31.05 -0.35 0.00	30.06 -0.30 0.00	33.19 -0.27 0.00	34.36 -0.24 0.00	37.68 0.08 0.00	40.27 0.06 -1.21	36.21 0.22 0.00	30.45 0.14 0.00	35.45 0.09 0.00	37.26 0.19 0.00	39.28 0.09 0.00	40.33 0.08 0.00	39.02 0.11 0.00	36.96 0.13 0.00	34.33 0.30 0.00	36.34 0.43 0.00	34.91 0.26 0.00	37.14 0.23 0.00	39.31 0.02 0.00	36.69 -0.02 0.00	32.28 -0.08 0.00	29.85 -0.05 0.00
HAMPSHIRE___PAPER_HYD 323593	37.88 0.40 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.46 0.00	34.88 0.27 0.00	37.71 0.11 0.00	39.17 0.16 0.00	36.15 0.16 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.82 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
HARDSCRABBLE_WT_PWR 323673	36.70 -0.77 0.00	31.46 -0.54 0.00	30.77 -0.63 0.00	29.71 -0.66 0.00	32.79 -0.66 0.00	34.27 -0.33 0.00	38.11 0.50 0.00	39.80 0.80 0.00	36.62 0.64 0.00	30.53 0.23 0.00	35.79 0.43 0.00	37.71 0.63 0.00	39.82 0.63 0.00	40.84 0.59 0.00	39.63 0.72 0.00	37.71 0.87 0.00	35.22 1.19 0.00	37.40 1.49 0.00	36.06 1.41 0.00	38.08 1.16 0.00	40.33 1.04 0.00	37.63 0.91 0.00	32.95 0.59 0.00	30.23 0.33 0.00



HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	38.31 0.84 0.00	32.78 0.78 0.00	32.10 0.71 0.00	31.01 0.64 0.00	34.28 0.83 0.00	35.79 1.19 0.00	39.80 2.19 0.00	47.34 2.47 -5.86	38.11 2.13 0.00	31.76 1.46 0.00	37.07 1.72 0.00	39.16 2.08 0.00	41.50 2.31 0.00	42.67 2.42 0.00	41.35 2.45 0.00	39.35 2.52 0.00	36.87 2.83 0.00	39.06 3.15 0.00	37.58 2.92 0.00	39.65 2.74 0.00	41.96 2.67 0.00	39.17 2.46 0.00	34.32 1.96 0.00	31.45 1.54 0.00
HARSNRAD_115KV_TB1 81005	37.02 -0.45 0.00	31.14 -0.87 0.00	30.94 -0.46 0.00	29.96 -0.41 0.00	33.07 -0.39 0.00	33.93 -0.67 0.00	36.78 -0.82 0.00	39.42 -1.25 -1.66	35.68 -0.31 0.00	30.22 -0.09 0.00	35.02 -0.34 0.00	36.52 -0.55 0.00	38.56 -0.64 0.00	39.63 -0.63 0.00	38.21 -0.70 0.00	35.87 -0.96 0.00	33.33 -0.70 0.00	35.33 -0.58 0.00	33.51 -1.14 0.00	36.06 -0.86 0.00	37.91 -1.37 0.00	35.43 -1.29 0.00	31.54 -0.83 0.00	29.74 -0.16 0.00
HARZA MOOSE__RIVER 24016	38.08 0.61 0.00	32.47 0.46 0.00	31.87 0.47 0.00	30.85 0.49 0.00	34.04 0.59 0.00	35.30 0.69 0.00	38.60 1.00 0.00	40.12 1.12 0.00	37.12 1.14 0.00	31.31 1.00 0.00	36.52 1.16 0.00	38.27 1.20 0.00	40.38 1.19 0.00	41.46 1.21 0.00	40.08 1.17 0.00	37.89 1.06 0.00	35.15 1.11 0.00	37.07 1.16 0.00	35.74 1.09 0.00	38.06 1.15 0.00	40.44 1.15 0.00	37.76 1.05 0.00	33.18 0.82 0.00	30.57 0.66 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	36.74 -0.74 0.00	31.29 -0.72 0.00	30.73 -0.67 0.00	29.74 -0.63 0.00	32.80 -0.66 0.00	33.93 -0.67 0.00	37.09 -0.52 0.00	39.58 -0.52 -1.09	35.67 -0.32 0.00	30.02 -0.29 0.00	34.99 -0.37 0.00	36.70 -0.37 0.00	38.76 -0.43 0.00	39.82 -0.43 0.00	38.50 -0.41 0.00	36.48 -0.35 0.00	33.88 -0.16 0.00	35.84 -0.07 0.00	34.44 -0.21 0.00	36.64 -0.27 0.00	38.80 -0.49 0.00	36.21 -0.50 0.00	31.86 -0.50 0.00	29.45 -0.45 0.00
HELLGATE_13_KV_LD 55870	38.41 0.93 0.00	32.89 0.89 0.00	32.22 0.82 0.00	31.11 0.74 0.00	34.36 0.90 0.00	39.57 1.27 -3.70	52.50 2.35 -12.54	61.82 2.73 -20.09	45.71 2.35 -7.37	32.00 1.69 0.00	37.37 2.01 0.00	39.49 2.41 0.00	41.85 2.66 0.00	43.08 2.83 0.00	41.79 2.88 0.00	39.85 3.01 0.00	37.31 3.28 0.00	39.51 3.60 0.00	38.00 3.34 0.00	40.04 3.12 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.66 2.30 0.00	31.70 1.79 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	38.41 0.93 0.00	32.89 0.89 0.00	32.22 0.82 0.00	31.11 0.74 0.00	34.36 0.90 0.00	39.57 1.27 -3.70	52.50 2.35 -12.54	61.82 2.73 -20.09	45.71 2.35 -7.37	32.00 1.69 0.00	37.37 2.01 0.00	39.49 2.41 0.00	41.85 2.66 0.00	43.08 2.83 0.00	41.79 2.88 0.00	39.85 3.01 0.00	37.31 3.28 0.00	39.51 3.60 0.00	38.00 3.34 0.00	40.04 3.12 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.66 2.30 0.00	31.70 1.79 0.00
HEMPSTEAD____ 23647	39.01 1.53 0.00	33.26 1.26 0.00	32.61 1.22 0.00	31.47 1.10 0.00	34.80 1.35 0.00	44.05 1.90 -7.55	53.13 2.98 -12.54	62.26 3.16 -20.10	46.07 2.70 -7.38	32.31 2.00 0.00	37.82 2.47 0.00	39.95 2.87 0.00	42.20 3.01 0.00	43.35 3.09 0.00	42.04 3.13 0.00	40.27 3.43 0.00	37.76 3.71 0.00	39.88 3.97 0.00	38.26 3.60 0.00	40.42 3.50 0.00	42.80 3.52 0.00	40.07 3.36 0.00	35.14 2.78 0.00	32.15 2.25 0.00
HEWLETT__69_KV_BK3 55828	39.46 1.98 0.00	33.64 1.64 0.00	32.98 1.59 0.00	31.82 1.45 0.00	35.19 1.73 0.00	44.81 2.17 -8.03	53.37 3.23 -12.54	62.54 3.44 -20.10	46.33 2.97 -7.38	32.52 2.21 0.00	38.07 2.72 0.00	40.22 3.14 0.00	42.46 3.27 0.00	43.62 3.37 0.00	42.30 3.39 0.00	40.55 3.71 0.00	38.01 3.96 0.00	40.12 4.20 0.00	38.50 3.85 0.00	40.72 3.81 0.00	43.17 3.88 0.00	40.41 3.70 0.00	35.43 3.07 0.00	32.55 2.64 0.00
HICKLING____1 23621	37.61 0.13 0.00	31.85 -0.16 0.00	31.52 0.13 0.00	30.51 0.14 0.00	33.69 0.23 0.00	34.89 0.29 0.00	38.32 0.71 0.00	42.10 0.66 -2.44	37.23 1.24 0.00	31.31 1.00 0.00	36.39 1.04 0.00	38.35 1.27 0.00	40.48 1.29 0.00	41.53 1.28 0.00	40.18 1.27 0.00	37.97 1.13 0.00	35.32 1.29 0.00	37.49 1.58 0.00	35.88 1.23 0.00	38.18 1.27 0.00	40.11 0.83 0.00	37.57 0.86 0.00	33.02 0.66 0.00	30.67 0.77 0.00
HICKLING____2 23622	37.61 0.13 0.00	31.85 -0.16 0.00	31.52 0.13 0.00	30.51 0.14 0.00	33.69 0.23 0.00	34.89 0.29 0.00	38.32 0.71 0.00	42.10 0.66 -2.44	37.23 1.24 0.00	31.31 1.00 0.00	36.39 1.04 0.00	38.35 1.27 0.00	40.48 1.29 0.00	41.53 1.28 0.00	40.18 1.27 0.00	37.97 1.13 0.00	35.32 1.29 0.00	37.49 1.58 0.00	35.88 1.23 0.00	38.18 1.27 0.00	40.11 0.83 0.00	37.57 0.86 0.00	33.02 0.66 0.00	30.67 0.77 0.00
HIGH FALLS____HY 23754	38.65 1.17 0.00	33.04 1.03 0.00	32.36 0.96 0.00	31.27 0.90 0.00	34.56 1.11 0.00	36.13 1.52 0.00	40.03 2.42 0.00	48.81 2.75 -7.06	38.42 2.43 0.00	32.03 1.72 0.00	37.39 2.04 0.00	39.39 2.32 0.00	41.77 2.59 0.00	43.03 2.78 0.00	41.78 2.87 0.00	39.76 2.93 0.00	37.27 3.23 0.00	39.58 3.67 0.00	38.10 3.45 0.00	40.24 3.32 0.00	42.52 3.23 0.00	39.66 2.95 0.00	34.73 2.37 0.00	31.80 1.90 0.00
HILLBURN____GT 23639	38.14 0.66 0.00	32.66 0.66 0.00	31.98 0.59 0.00	30.89 0.52 0.00	34.15 0.69 0.00	35.67 1.06 0.00	39.71 2.11 0.00	47.32 2.39 -5.92	38.00 2.01 0.00	31.65 1.34 0.00	36.92 1.56 0.00	39.02 1.94 0.00	41.35 2.16 0.00	42.50 2.25 0.00	41.19 2.29 0.00	39.21 2.37 0.00	36.73 2.70 0.00	38.91 2.99 0.00	37.42 2.77 0.00	39.47 2.56 0.00	41.76 2.48 0.00	39.00 2.29 0.00	34.19 1.83 0.00	31.32 1.42 0.00
HILLSIDE_115KV_TB1 80332	37.01 -0.47 0.00	31.36 -0.64 0.00	31.04 -0.36 0.00	30.02 -0.35 0.00	33.13 -0.32 0.00	34.27 -0.33 0.00	37.63 0.03 0.00	41.49 -0.04 -2.53	36.52 0.54 0.00	30.69 0.38 0.00	35.72 0.36 0.00	37.66 0.59 0.00	39.79 0.60 0.00	40.80 0.55 0.00	39.51 0.60 0.00	37.32 0.48 0.00	34.70 0.66 0.00	36.81 0.90 0.00	35.27 0.61 0.00	37.48 0.56 0.00	39.37 0.08 0.00	36.94 0.23 0.00	32.43 0.07 0.00	30.11 0.20 0.00
HISHELDN_WT_PWR 323625	29.90 -0.14 7.43	30.23 -0.59 1.19	30.04 -0.23 1.12	28.87 -0.11 1.38	31.56 -0.01 1.88	31.98 -0.18 2.45	37.05 -0.15 0.40	40.56 -0.31 -1.87	32.24 0.50 4.25	29.79 0.54 1.05	35.72 0.37 0.00	37.41 0.33 0.00	39.50 0.31 0.00	40.57 0.32 0.00	39.15 0.24 0.00	36.82 -0.02 0.00	34.23 0.19 0.00	36.32 0.41 0.00	34.55 -0.11 0.00	36.58 0.13 0.47	38.07 -0.35 0.86	36.15 -0.31 0.25	30.76 -0.10 1.51	29.55 0.37 0.72
HOLTSVILLE_IC_1 23690	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00



HOLTSVILLE_IC_10 23699	40.02 2.55 0.00	34.03 2.02 0.00	33.42 2.03 0.00	32.23 1.86 0.00	35.68 2.23 0.00	46.34 2.94 -8.80	54.24 4.10 -12.54	63.45 4.35 -20.10	47.12 3.75 -7.38	33.13 2.82 0.00	38.66 3.30 0.00	40.85 3.77 0.00	43.12 3.93 0.00	44.32 4.07 0.00	42.98 4.07 0.00	41.37 4.53 0.00	38.91 4.87 0.00	41.10 5.19 0.00	39.35 4.70 0.00	41.54 4.62 0.00	43.99 4.71 0.00	41.28 4.56 0.00	36.19 3.83 0.00	33.08 3.17 0.00
HOLTSVILLE_IC_2 23691	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00
HOLTSVILLE_IC_3 23692	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00
HOLTSVILLE_IC_4 23693	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00
HOLTSVILLE_IC_5 23694	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00
HOLTSVILLE_IC_6 23695	40.02 2.55 0.00	34.03 2.02 0.00	33.42 2.03 0.00	32.23 1.86 0.00	35.68 2.23 0.00	46.34 2.94 -8.80	54.24 4.10 -12.54	63.45 4.35 -20.10	47.12 3.75 -7.38	33.13 2.82 0.00	38.66 3.30 0.00	40.85 3.77 0.00	43.12 3.93 0.00	44.32 4.07 0.00	42.98 4.07 0.00	41.37 4.53 0.00	38.91 4.87 0.00	41.10 5.19 0.00	39.35 4.70 0.00	41.54 4.62 0.00	43.99 4.71 0.00	41.28 4.56 0.00	36.19 3.83 0.00	33.08 3.17 0.00
HOLTSVILLE_IC_7 23696	40.02 2.55 0.00	34.03 2.02 0.00	33.42 2.03 0.00	32.23 1.86 0.00	35.68 2.23 0.00	46.34 2.94 -8.80	54.24 4.10 -12.54	63.45 4.35 -20.10	47.12 3.75 -7.38	33.13 2.82 0.00	38.66 3.30 0.00	40.85 3.77 0.00	43.12 3.93 0.00	44.32 4.07 0.00	42.98 4.07 0.00	41.37 4.53 0.00	38.91 4.87 0.00	41.10 5.19 0.00	39.35 4.70 0.00	41.54 4.62 0.00	43.99 4.71 0.00	41.28 4.56 0.00	36.19 3.83 0.00	33.08 3.17 0.00
HOLTSVILLE_IC_8 23697	40.02 2.55 0.00	34.03 2.02 0.00	33.42 2.03 0.00	32.23 1.86 0.00	35.68 2.23 0.00	46.34 2.94 -8.80	54.24 4.10 -12.54	63.45 4.35 -20.10	47.12 3.75 -7.38	33.13 2.82 0.00	38.66 3.30 0.00	40.85 3.77 0.00	43.12 3.93 0.00	44.32 4.07 0.00	42.98 4.07 0.00	41.37 4.53 0.00	38.91 4.87 0.00	41.10 5.19 0.00	39.35 4.70 0.00	41.54 4.62 0.00	43.99 4.71 0.00	41.28 4.56 0.00	36.19 3.83 0.00	33.08 3.17 0.00
HOLTSVILLE_IC_9 23698	40.02 2.55 0.00	34.03 2.02 0.00	33.42 2.03 0.00	32.23 1.86 0.00	35.68 2.23 0.00	46.34 2.94 -8.80	54.24 4.10 -12.54	63.45 4.35 -20.10	47.12 3.75 -7.38	33.13 2.82 0.00	38.66 3.30 0.00	40.85 3.77 0.00	43.12 3.93 0.00	44.32 4.07 0.00	42.98 4.07 0.00	41.37 4.53 0.00	38.91 4.87 0.00	41.10 5.19 0.00	39.35 4.70 0.00	41.54 4.62 0.00	43.99 4.71 0.00	41.28 4.56 0.00	36.19 3.83 0.00	33.08 3.17 0.00
HOMER_HL_115KV_TB2 355744	39.10 1.63 0.00	33.00 1.00 0.00	32.78 1.39 0.00	31.64 1.27 0.00	35.00 1.54 0.00	35.85 1.24 0.00	38.91 1.31 0.00	42.09 1.24 -1.85	38.10 2.12 0.00	31.99 1.68 0.00	36.96 1.60 0.00	38.93 1.85 0.00	41.19 2.00 0.00	42.31 2.06 0.00	40.79 1.88 0.00	38.35 1.52 0.00	35.70 1.67 0.00	37.93 2.02 0.00	36.12 1.46 0.00	38.63 1.71 0.00	40.58 1.29 0.00	38.01 1.30 0.00	33.77 1.40 0.00	31.55 1.64 0.00
HOWARD_WT_PWR 323690	40.73 -0.02 -3.27	32.25 -0.28 -0.52	31.90 0.02 -0.49	31.07 0.10 -0.61	34.60 0.32 -0.83	36.11 0.42 -1.08	38.66 0.87 -0.18	41.99 0.87 -2.11	39.45 1.59 -1.87	32.18 1.40 -0.47	36.76 1.40 0.00	38.62 1.55 0.00	40.74 1.55 0.00	41.84 1.59 0.00	40.44 1.53 0.00	38.15 1.31 0.00	35.53 1.49 0.00	37.73 1.82 0.00	36.01 1.36 0.00	38.67 1.55 -0.21	40.76 1.10 -0.38	37.86 1.03 -0.11	33.94 0.92 -0.66	31.37 1.15 -0.32
HQ_GEN_CEDARS 23644	38.54 1.06 0.00	33.12 1.11 0.00	32.49 1.10 0.00	31.45 1.09 0.00	34.56 1.10 0.00	35.32 0.72 0.00	37.87 0.27 0.00	39.25 0.25 0.00	36.16 0.17 0.00	30.68 0.37 0.00	35.81 0.46 0.00	37.42 0.34 0.00	39.57 0.38 0.00	40.67 0.42 0.00	39.21 0.30 0.00	36.84 0.00 0.00	33.71 -0.32 0.00	35.04 -0.87 0.00	34.33 -0.32 0.00	36.78 -0.14 0.00	39.40 0.11 0.00	36.94 0.23 0.00	32.74 0.38 0.00	30.35 0.44 0.00
HQ_GEN_CEDARS_PROXY 323590	38.54 1.06 0.00	33.12 1.11 0.00	32.49 1.10 0.00	31.45 1.09 0.00	34.56 1.10 0.00	35.32 0.72 0.00	37.89 0.29 0.00	39.26 0.26 0.00	36.19 0.20 0.00	30.68 0.37 0.00	35.81 0.46 0.00	37.42 0.34 0.00	39.57 0.38 0.00	40.67 0.42 0.00	39.21 0.30 0.00	42.07 0.00 -5.23	33.71 -0.32 0.00	35.04 -0.87 0.00	34.33 -0.32 0.00	36.78 -0.14 0.00	39.40 0.11 0.00	36.95 0.23 0.00	32.74 0.38 0.00	30.35 0.44 0.00
HQ_GEN_IMPORT 323601	38.49 0.47 -0.55	31.71 0.42 0.72	31.80 0.41 0.00	30.78 0.41 0.00	33.86 0.40 0.00	34.90 0.30 0.00	37.56 -0.05 0.00	48.28 -0.11 -9.39	32.22 -0.12 3.65	30.34 0.04 0.00	35.36 0.00 0.00	37.00 -0.07 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.79 -0.12 0.00	36.62 -0.21 0.00	33.59 -0.45 0.00	35.31 -0.60 0.00	34.19 -0.46 0.00	36.56 -0.35 0.00	39.10 -0.19 0.00	36.57 -0.15 0.00	32.33 -0.04 0.00	29.95 0.05 0.00
HQ_GEN_WHEEL 23651	38.49 0.47 -0.55	31.71 0.42 0.72	31.80 0.41 0.00	30.78 0.41 0.00	33.86 0.40 0.00	34.90 0.30 0.00	37.56 -0.05 0.00	48.28 -0.11 -9.39	32.22 -0.12 3.65	30.34 0.04 0.00	35.36 0.00 0.00	37.00 -0.07 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.79 -0.12 0.00	36.62 -0.21 0.00	33.59 -0.45 0.00	35.31 -0.60 0.00	34.19 -0.46 0.00	36.56 -0.35 0.00	39.10 -0.19 0.00	36.57 -0.15 0.00	32.33 -0.04 0.00	29.95 0.05 0.00



HUDSON AVE_GT_3 23810	38.49 1.01 0.00	32.93 0.92 0.00	32.26 0.87 0.00	31.14 0.77 0.00	34.40 0.94 0.00	39.60 1.29 -3.70	52.56 2.42 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.05 1.74 0.00	37.43 2.07 0.00	39.55 2.47 0.00	41.89 2.70 0.00	43.09 2.84 0.00	41.80 2.90 0.00	39.86 3.02 0.00	37.34 3.30 0.00	39.54 3.63 0.00	38.02 3.36 0.00	40.06 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.33 0.00	31.73 1.83 0.00
HUDSON AVE_GT_4 23540	38.49 1.01 0.00	32.93 0.92 0.00	32.26 0.87 0.00	31.14 0.77 0.00	34.40 0.94 0.00	39.60 1.29 -3.70	52.56 2.42 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.05 1.74 0.00	37.43 2.07 0.00	39.55 2.47 0.00	41.89 2.70 0.00	43.09 2.84 0.00	41.80 2.90 0.00	39.86 3.02 0.00	37.34 3.30 0.00	39.54 3.63 0.00	38.02 3.36 0.00	40.06 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.33 0.00	31.73 1.83 0.00
HUDSON AVE_GT_5 23657	38.49 1.01 0.00	32.93 0.92 0.00	32.26 0.87 0.00	31.14 0.77 0.00	34.40 0.94 0.00	39.60 1.29 -3.70	52.56 2.42 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.05 1.74 0.00	37.43 2.07 0.00	39.55 2.47 0.00	41.89 2.70 0.00	43.09 2.84 0.00	41.80 2.90 0.00	39.86 3.02 0.00	37.34 3.30 0.00	39.54 3.63 0.00	38.02 3.36 0.00	40.06 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.33 0.00	31.73 1.83 0.00
HUDSON_AVE_10 24168	38.31 0.83 0.00	32.80 0.79 0.00	32.14 0.75 0.00	31.03 0.66 0.00	34.27 0.81 0.00	39.45 1.15 -3.70	52.41 2.27 -12.54	61.72 2.63 -20.09	45.62 2.26 -7.37	31.92 1.61 0.00	37.27 1.91 0.00	39.39 2.31 0.00	41.72 2.53 0.00	42.93 2.68 0.00	41.65 2.74 0.00	39.71 2.87 0.00	37.20 3.17 0.00	39.41 3.50 0.00	37.90 3.24 0.00	39.92 3.00 0.00	42.21 2.93 0.00	39.42 2.71 0.00	34.56 2.19 0.00	31.60 1.70 0.00
HUDSON___115KV_TB 4 355613	38.73 1.25 0.00	33.12 1.11 0.00	32.43 1.04 0.00	31.33 0.97 0.00	34.55 1.10 0.00	23.35 1.23 12.48	-3.18 1.53 42.32	6.79 1.71 33.92	12.50 1.40 24.88	31.24 0.93 0.00	36.66 1.30 0.00	38.47 1.40 0.00	40.67 1.48 0.00	41.75 1.50 0.00	40.47 1.57 0.00	38.46 1.62 0.00	35.80 1.77 0.00	37.94 2.03 0.00	36.56 1.91 0.00	38.83 1.92 0.00	41.19 1.90 0.00	38.42 1.71 0.00	33.74 1.37 0.00	31.03 1.13 0.00
HUNTER MOUNT___DRP 323613	39.10 1.63 0.00	33.43 1.43 0.00	32.74 1.35 0.00	31.65 1.28 0.00	34.91 1.46 0.00	26.85 1.62 9.36	7.84 1.98 31.75	17.64 2.18 23.55	19.13 1.81 18.67	31.57 1.26 0.00	37.06 1.70 0.00	38.87 1.79 0.00	41.07 1.88 0.00	42.15 1.90 0.00	40.87 1.96 0.00	38.82 1.99 0.00	36.13 2.09 0.00	38.28 2.37 0.00	36.90 2.25 0.00	39.23 2.31 0.00	41.61 2.32 0.00	38.79 2.08 0.00	34.05 1.68 0.00	31.34 1.43 0.00
HUNTINGTON_RES_REC 323705	39.78 2.30 0.00	33.84 1.83 0.00	33.22 1.83 0.00	32.04 1.68 0.00	35.46 2.01 0.00	46.08 2.70 -8.78	53.97 3.83 -12.54	63.15 4.06 -20.10	46.84 3.48 -7.38	32.91 2.60 0.00	38.40 3.04 0.00	40.55 3.48 0.00	42.77 3.58 0.00	43.94 3.69 0.00	42.60 3.69 0.00	40.99 4.16 0.00	38.57 4.53 0.00	40.75 4.83 0.00	39.04 4.39 0.00	41.21 4.29 0.00	43.65 4.37 0.00	40.94 4.22 0.00	35.92 3.56 0.00	32.84 2.94 0.00
HUNTLEY___63 23557	37.38 -0.10 0.00	31.43 -0.58 0.00	31.24 -0.15 0.00	30.26 -0.11 0.00	33.40 -0.05 0.00	34.35 -0.26 0.00	37.24 -0.36 0.00	39.86 -0.83 -1.70	36.11 0.12 0.00	30.55 0.25 0.00	35.37 0.02 0.00	36.92 -0.15 0.00	38.98 -0.20 0.00	40.07 -0.18 0.00	38.65 -0.26 0.00	36.26 -0.57 0.00	33.70 -0.33 0.00	35.74 -0.18 0.00	33.90 -0.76 0.00	36.45 -0.46 0.00	38.34 -0.95 0.00	35.81 -0.90 0.00	31.86 -0.50 0.00	30.07 0.16 0.00
HUNTLEY___64 23558	37.38 -0.10 0.00	31.43 -0.58 0.00	31.24 -0.15 0.00	30.26 -0.11 0.00	33.40 -0.05 0.00	34.35 -0.26 0.00	37.24 -0.36 0.00	39.86 -0.83 -1.70	36.11 0.12 0.00	30.55 0.25 0.00	35.37 0.02 0.00	36.92 -0.15 0.00	38.98 -0.20 0.00	40.07 -0.18 0.00	38.65 -0.26 0.00	36.26 -0.57 0.00	33.70 -0.33 0.00	35.74 -0.18 0.00	33.90 -0.76 0.00	36.45 -0.46 0.00	38.34 -0.95 0.00	35.81 -0.90 0.00	31.86 -0.50 0.00	30.07 0.16 0.00
HUNTLEY___65 23559	37.38 -0.10 0.00	31.43 -0.58 0.00	31.24 -0.15 0.00	30.26 -0.11 0.00	33.40 -0.05 0.00	34.35 -0.26 0.00	37.24 -0.36 0.00	39.86 -0.83 -1.70	36.11 0.12 0.00	30.55 0.25 0.00	35.37 0.02 0.00	36.92 -0.15 0.00	38.98 -0.20 0.00	40.07 -0.18 0.00	38.65 -0.26 0.00	36.26 -0.57 0.00	33.70 -0.33 0.00	35.74 -0.18 0.00	33.90 -0.76 0.00	36.45 -0.46 0.00	38.34 -0.95 0.00	35.81 -0.90 0.00	31.86 -0.50 0.00	30.07 0.16 0.00
HUNTLEY___66 23560	37.38 -0.10 0.00	31.43 -0.58 0.00	31.24 -0.15 0.00	30.26 -0.11 0.00	33.40 -0.05 0.00	34.35 -0.26 0.00	37.24 -0.36 0.00	39.86 -0.83 -1.70	36.11 0.12 0.00	30.55 0.25 0.00	35.37 0.02 0.00	36.92 -0.15 0.00	38.98 -0.20 0.00	40.07 -0.18 0.00	38.65 -0.26 0.00	36.26 -0.57 0.00	33.70 -0.33 0.00	35.74 -0.18 0.00	33.90 -0.76 0.00	36.45 -0.46 0.00	38.34 -0.95 0.00	35.81 -0.90 0.00	31.86 -0.50 0.00	30.07 0.16 0.00
HUNTLEY___67 23561	37.15 -0.33 0.00	31.26 -0.74 0.00	31.07 -0.33 0.00	30.07 -0.30 0.00	33.19 -0.27 0.00	34.08 -0.52 0.00	36.94 -0.66 0.00	39.67 -1.05 -1.72	35.88 -0.11 0.00	30.36 0.05 0.00	35.16 -0.19 0.00	36.72 -0.36 0.00	38.77 -0.41 0.00	39.83 -0.42 0.00	38.42 -0.49 0.00	36.05 -0.78 0.00	33.49 -0.54 0.00	35.52 -0.39 0.00	33.70 -0.96 0.00	36.26 -0.65 0.00	38.14 -1.15 0.00	35.64 -1.08 0.00	31.72 -0.65 0.00	29.86 -0.04 0.00
HUNTLEY___68 23562	37.15 -0.33 0.00	31.26 -0.74 0.00	31.07 -0.33 0.00	30.07 -0.30 0.00	33.19 -0.27 0.00	34.08 -0.52 0.00	36.94 -0.66 0.00	39.67 -1.05 -1.72	35.88 -0.11 0.00	30.36 0.05 0.00	35.16 -0.19 0.00	36.72 -0.36 0.00	38.77 -0.41 0.00	39.83 -0.42 0.00	38.42 -0.49 0.00	36.05 -0.78 0.00	33.49 -0.54 0.00	35.52 -0.39 0.00	33.70 -0.96 0.00	36.26 -0.65 0.00	38.14 -1.15 0.00	35.64 -1.08 0.00	31.72 -0.65 0.00	29.86 -0.04 0.00
HYLAND___LFGE 323620	38.90 1.43 0.00	32.83 0.83 0.00	32.47 1.07 0.00	31.48 1.11 0.00	34.82 1.37 0.00	36.03 1.43 0.00	39.63 2.02 0.00	43.06 2.22 -1.84	38.67 2.68 0.00	32.83 2.53 0.00	38.03 2.67 0.00	39.74 2.67 0.00	41.96 2.77 0.00	43.05 2.80 0.00	41.64 2.74 0.00	39.29 2.45 0.00	36.77 2.73 0.00	39.09 3.18 0.00	37.30 2.65 0.00	39.60 2.69 0.00	41.57 2.28 0.00	38.70 1.99 0.00	34.07 1.71 0.00	31.69 1.79 0.00
INDECK___CORINTH 23802	38.13 0.65 0.00	32.68 0.68 0.00	32.14 0.74 0.00	31.03 0.67 0.00	34.25 0.80 0.00	75.99 1.14 -40.26	176.28 2.22 -136.46	214.66 2.31 -173.34	118.31 2.08 -80.24	31.71 1.40 0.00	37.04 1.68 0.00	38.67 1.60 0.00	40.59 1.41 0.00	41.68 1.43 0.00	40.27 1.36 0.00	38.28 1.45 0.00	35.73 1.70 0.00	37.75 1.84 0.00	36.35 1.69 0.00	38.47 1.56 0.00	40.69 1.40 0.00	38.22 1.51 0.00	33.51 1.15 0.00	30.81 0.91 0.00



INDECK___ILION 23567	37.24 -0.23 0.00	31.86 -0.15 0.00	31.21 -0.18 0.00	30.16 -0.21 0.00	33.27 -0.19 0.00	34.58 -0.02 0.00	38.02 0.42 0.00	39.57 0.57 0.00	36.46 0.47 0.00	30.52 0.21 0.00	35.69 0.34 0.00	37.53 0.46 0.00	39.65 0.46 0.00	40.70 0.45 0.00	39.42 0.51 0.00	37.44 0.61 0.00	34.82 0.78 0.00	36.87 0.96 0.00	35.56 0.91 0.00	37.69 0.77 0.00	39.99 0.71 0.00	37.34 0.62 0.00	32.78 0.42 0.00	30.16 0.26 0.00
INDECK___OLEAN 23982	19.60 1.65 19.52	29.89 1.00 3.12	29.83 1.39 2.95	28.01 1.27 3.63	30.09 1.57 4.93	29.41 1.24 6.44	37.81 1.28 1.06	42.19 1.34 -1.85	26.93 2.11 11.17	29.25 1.71 2.77	36.96 1.60 0.00	38.93 1.85 0.00	41.17 1.99 0.00	42.30 2.05 0.00	40.78 1.87 0.00	38.35 1.51 0.00	35.70 1.67 0.00	37.93 2.02 0.00	36.13 1.47 0.00	37.39 1.71 1.24	38.31 1.30 2.27	37.35 1.30 0.66	29.80 1.40 3.96	29.64 1.64 1.91
INDECK___OSWEGO 23783	36.35 -1.13 0.00	30.96 -1.04 0.00	30.39 -1.00 0.00	29.41 -0.95 0.00	32.43 -1.03 0.00	33.55 -1.06 0.00	36.69 -0.92 0.00	39.05 -0.93 -0.98	35.23 -0.75 0.00	29.65 -0.66 0.00	34.56 -0.79 0.00	36.26 -0.82 0.00	38.24 -0.96 0.00	39.10 -1.15 0.00	37.67 -1.24 0.00	35.66 -1.18 0.00	33.10 -0.94 0.00	35.02 -0.89 0.00	33.68 -0.98 0.00	35.84 -1.08 0.00	38.02 -1.26 0.00	35.49 -1.22 0.00	31.23 -1.13 0.00	28.85 -1.05 0.00
INDECK___YERKES 23781	24.94 -0.03 12.51	29.47 -0.53 2.00	29.39 -0.12 1.89	27.97 -0.07 2.33	30.32 0.02 3.16	30.26 -0.22 4.12	36.54 -0.38 0.68	40.01 -0.69 -1.70	28.99 0.15 7.16	28.84 0.30 1.78	35.41 0.05 0.00	36.97 -0.10 0.00	39.02 -0.17 0.00	40.12 -0.13 0.00	38.69 -0.22 0.00	36.30 -0.53 0.00	33.75 -0.29 0.00	35.78 -0.13 0.00	33.95 -0.71 0.00	35.70 -0.42 0.79	36.94 -0.89 1.45	35.42 -0.87 0.42	29.37 -0.46 2.53	28.89 0.20 1.22
INDIAN POINT_GT_1 24139	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.79 0.00	31.08 0.71 0.00	34.33 0.87 0.00	39.52 1.23 -3.69	52.40 2.30 -12.49	61.63 2.60 -20.03	45.57 2.24 -7.35	31.89 1.59 0.00	37.28 1.92 0.00	39.36 2.29 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.57 2.67 0.00	39.62 2.78 0.00	37.10 3.07 0.00	39.29 3.38 0.00	37.79 3.14 0.00	39.87 2.95 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.54 2.18 0.00	31.62 1.72 0.00
INDIAN POINT_GT_2 23659	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.79 0.00	31.08 0.71 0.00	34.33 0.87 0.00	39.52 1.23 -3.69	52.40 2.30 -12.49	61.63 2.60 -20.03	45.57 2.24 -7.35	31.89 1.59 0.00	37.28 1.92 0.00	39.36 2.29 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.57 2.67 0.00	39.62 2.78 0.00	37.10 3.07 0.00	39.29 3.38 0.00	37.79 3.14 0.00	39.87 2.95 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.54 2.18 0.00	31.62 1.72 0.00
INDIAN POINT_GT_3 24019	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.79 0.00	31.08 0.71 0.00	34.33 0.87 0.00	39.52 1.23 -3.69	52.40 2.30 -12.49	61.63 2.60 -20.03	45.57 2.24 -7.35	31.89 1.59 0.00	37.28 1.92 0.00	39.36 2.29 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.57 2.67 0.00	39.62 2.78 0.00	37.10 3.07 0.00	39.29 3.38 0.00	37.79 3.14 0.00	39.87 2.95 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.54 2.18 0.00	31.62 1.72 0.00
INDIAN POINT___2 23530	38.43 0.96 0.00	32.90 0.89 0.00	32.21 0.82 0.00	31.10 0.74 0.00	34.35 0.89 0.00	39.56 1.26 -3.70	52.45 2.32 -12.53	61.70 2.63 -20.07	45.60 2.25 -7.37	31.92 1.61 0.00	37.31 1.96 0.00	39.40 2.33 0.00	41.73 2.54 0.00	42.92 2.67 0.00	41.62 2.71 0.00	39.67 2.83 0.00	37.14 3.11 0.00	39.34 3.43 0.00	37.83 3.17 0.00	39.90 2.99 0.00	42.21 2.93 0.00	39.43 2.72 0.00	34.57 2.21 0.00	31.65 1.75 0.00
INDIAN POINT___3 23531	38.24 0.77 0.00	32.74 0.73 0.00	32.06 0.67 0.00	30.96 0.59 0.00	34.22 0.76 0.00	39.29 1.10 -3.59	51.93 2.14 -12.18	61.03 2.43 -19.60	45.21 2.06 -7.16	31.72 1.41 0.00	37.05 1.70 0.00	39.13 2.05 0.00	41.44 2.26 0.00	42.62 2.37 0.00	41.32 2.41 0.00	39.36 2.52 0.00	36.86 2.82 0.00	39.03 3.11 0.00	37.54 2.89 0.00	39.60 2.69 0.00	41.90 2.62 0.00	39.14 2.43 0.00	34.33 1.96 0.00	31.45 1.54 0.00
INGHAM_C_115KV_TB7 356103	36.71 -0.77 0.00	31.46 -0.54 0.00	30.78 -0.61 0.00	29.72 -0.65 0.00	32.82 -0.63 0.00	34.30 -0.31 0.00	38.19 0.59 0.00	39.89 0.89 0.00	36.70 0.71 0.00	30.51 0.19 0.00	35.79 0.43 0.00	37.75 0.68 0.00	39.86 0.68 0.00	40.90 0.65 0.00	39.70 0.79 0.00	37.84 1.00 0.00	35.41 1.38 0.00	37.65 1.74 0.00	36.31 1.66 0.00	38.26 1.35 0.00	40.48 1.19 0.00	37.77 1.06 0.00	33.02 0.65 0.00	30.25 0.34 0.00
IP CORINTH___1 23988	38.35 0.87 0.00	32.87 0.86 0.00	32.32 0.92 0.00	31.21 0.84 0.00	34.45 0.99 0.00	76.18 1.33 -40.26	176.52 2.46 -136.46	214.90 2.56 -173.34	118.56 2.33 -80.24	31.89 1.58 0.00	37.26 1.90 0.00	38.89 1.82 0.00	40.83 1.65 0.00	41.93 1.68 0.00	40.51 1.61 0.00	38.50 1.67 0.00	35.94 1.91 0.00	37.98 2.06 0.00	36.56 1.90 0.00	38.69 1.78 0.00	40.92 1.64 0.00	38.44 1.73 0.00	33.71 1.34 0.00	30.99 1.09 0.00
IP___TICONDEROGA 23804	39.66 2.18 0.00	34.12 2.12 0.00	33.50 2.11 0.00	32.23 1.86 0.00	35.53 2.08 0.00	81.03 2.66 -43.77	191.22 5.24 -148.37	230.38 5.02 -186.35	128.06 4.83 -87.25	33.62 3.31 0.00	39.04 3.68 0.00	41.12 4.05 0.00	43.13 3.94 0.00	44.30 4.05 0.00	42.70 3.79 0.00	40.64 3.81 0.00	38.17 4.14 0.00	40.27 4.36 0.00	38.62 3.96 0.00	40.75 3.84 0.00	42.56 3.28 0.00	39.90 3.18 0.00	35.11 2.75 0.00	32.03 2.12 0.00
ISLIP_RES_REC 323679	40.17 2.70 0.00	34.15 2.15 0.00	33.54 2.14 0.00	32.35 1.98 0.00	35.82 2.36 0.00	46.49 3.10 -8.79	54.42 4.27 -12.54	63.67 4.57 -20.10	47.32 3.96 -7.38	33.27 2.96 0.00	38.83 3.47 0.00	41.02 3.95 0.00	43.32 4.13 0.00	44.53 4.28 0.00	43.19 4.29 0.00	41.57 4.74 0.00	39.13 5.09 0.00	41.35 5.44 0.00	39.57 4.92 0.00	41.77 4.85 0.00	44.23 4.94 0.00	41.50 4.79 0.00	36.37 4.00 0.00	33.23 3.32 0.00
JAMAICA__27_KV_LOAD 355505	38.48 1.00 0.00	32.95 0.95 0.00	32.33 0.94 0.00	31.22 0.85 0.00	34.48 1.03 0.00	39.67 1.37 -3.70	52.69 2.55 -12.54	62.02 2.93 -20.09	45.89 2.53 -7.37	32.14 1.84 0.00	37.51 2.15 0.00	39.64 2.57 0.00	42.00 2.82 0.00	43.23 2.98 0.00	41.94 3.04 0.00	39.99 3.15 0.00	37.48 3.45 0.00	39.73 3.82 0.00	38.20 3.55 0.00	40.21 3.29 0.00	42.52 3.23 0.00	39.70 2.99 0.00	34.80 2.44 0.00	31.78 1.87 0.00
JANIS___SOLAR 323808	42.16 1.35 -3.33	33.52 0.98 -0.53	32.86 0.96 -0.50	31.97 0.99 -0.62	35.62 1.32 -0.84	37.30 1.60 -1.10	40.29 2.50 -0.18	44.66 2.78 -2.88	40.80 2.90 -1.91	33.20 2.42 -0.47	37.95 2.59 0.00	39.82 2.75 0.00	42.11 2.92 0.00	43.36 3.11 0.00	42.00 3.09 0.00	39.70 2.86 0.00	37.07 3.03 0.00	39.33 3.42 0.00	37.76 3.10 0.00	40.37 3.25 -0.21	42.76 3.09 -0.39	39.58 2.76 -0.11	35.25 2.21 -0.68	32.22 1.99 -0.32



JARVIS____ 23743	37.43 -0.05 0.00	31.97 -0.03 0.00	31.36 -0.03 0.00	30.32 -0.05 0.00	33.42 -0.03 0.00	34.62 0.01 0.00	37.74 0.14 0.00	39.18 0.18 0.00	36.14 0.15 0.00	30.40 0.09 0.00	35.48 0.12 0.00	37.22 0.15 0.00	39.34 0.15 0.00	40.37 0.12 0.00	39.06 0.15 0.00	37.01 0.17 0.00	34.26 0.23 0.00	36.18 0.27 0.00	34.89 0.24 0.00	37.11 0.20 0.00	39.48 0.19 0.00	36.88 0.17 0.00	32.49 0.13 0.00	29.99 0.08 0.00
JENNISON____1 23625	38.00 0.53 0.00	32.20 0.20 0.00	31.66 0.27 0.00	30.64 0.28 0.00	34.14 0.69 0.00	35.57 0.97 0.00	39.56 1.95 0.00	45.14 2.22 -3.92	38.61 2.62 0.00	32.45 2.14 0.00	37.70 2.34 0.00	39.52 2.45 0.00	41.90 2.72 0.00	43.24 2.99 0.00	41.93 3.03 0.00	39.77 2.93 0.00	37.09 3.05 0.00	39.34 3.43 0.00	37.73 3.08 0.00	40.12 3.20 0.00	42.37 3.09 0.00	39.52 2.81 0.00	34.62 2.25 0.00	31.89 1.99 0.00
JENNISON____2 23626	38.00 0.53 0.00	32.20 0.20 0.00	31.66 0.27 0.00	30.64 0.28 0.00	34.14 0.69 0.00	35.57 0.97 0.00	39.56 1.95 0.00	45.14 2.22 -3.92	38.61 2.62 0.00	32.45 2.14 0.00	37.70 2.34 0.00	39.52 2.45 0.00	41.90 2.72 0.00	43.24 2.99 0.00	41.93 3.03 0.00	39.77 2.93 0.00	37.09 3.05 0.00	39.34 3.43 0.00	37.73 3.08 0.00	40.12 3.20 0.00	42.37 3.09 0.00	39.52 2.81 0.00	34.62 2.25 0.00	31.89 1.99 0.00
JERICHO_RISE_WT_PWR 323719	39.60 2.13 0.00	33.86 1.85 0.00	33.17 1.78 0.00	32.09 1.73 0.00	35.22 1.76 0.00	36.16 1.56 0.00	38.75 1.14 0.00	40.30 1.30 0.00	37.01 1.03 0.00	31.35 1.05 0.00	36.38 1.02 0.00	38.10 1.03 0.00	40.29 1.10 0.00	41.36 1.11 0.00	39.87 0.96 0.00	37.66 0.82 0.00	34.59 0.56 0.00	36.35 0.44 0.00	35.15 0.49 0.00	37.65 0.74 0.00	40.22 0.93 0.00	37.56 0.85 0.00	33.20 0.84 0.00	30.80 0.90 0.00
KATONAH__115KV_46KV_TB4 355592	38.62 1.15 0.00	33.05 1.05 0.00	32.37 0.97 0.00	31.26 0.89 0.00	34.53 1.07 0.00	39.75 1.43 -3.71	52.70 2.51 -12.59	62.02 2.82 -20.20	45.87 2.48 -7.40	32.10 1.79 0.00	37.53 2.18 0.00	39.60 2.53 0.00	41.95 2.76 0.00	43.14 2.89 0.00	41.82 2.91 0.00	39.85 3.02 0.00	37.33 3.30 0.00	39.59 3.68 0.00	38.07 3.41 0.00	40.17 3.26 0.00	42.48 3.20 0.00	39.65 2.94 0.00	34.76 2.40 0.00	31.82 1.92 0.00
KCE_NY_1 323755	38.89 1.41 0.00	33.28 1.27 0.00	32.62 1.23 0.00	31.55 1.18 0.00	34.80 1.34 0.00	84.96 1.63 -48.72	205.25 2.48 -165.16	246.31 2.63 -204.68	135.45 2.35 -97.11	32.03 1.72 0.00	37.42 2.06 0.00	39.22 2.15 0.00	41.41 2.23 0.00	42.56 2.30 0.00	41.15 2.25 0.00	39.09 2.25 0.00	36.37 2.34 0.00	38.43 2.51 0.00	37.02 2.36 0.00	39.19 2.28 0.00	41.64 2.36 0.00	38.95 2.24 0.00	34.14 1.77 0.00	31.40 1.49 0.00
KCE_NY_6_ESR 323823	23.99 0.30 13.78	29.57 -0.24 2.20	29.50 0.19 2.08	28.04 0.23 2.56	30.31 0.34 3.48	30.18 0.12 4.54	36.95 0.10 0.75	40.68 -0.08 -1.76	28.85 0.75 7.88	29.12 0.76 1.96	35.94 0.59 0.00	37.61 0.54 0.00	39.72 0.53 0.00	40.81 0.56 0.00	39.34 0.43 0.00	36.94 0.11 0.00	34.34 0.31 0.00	36.44 0.53 0.00	34.62 -0.03 0.00	36.30 0.26 0.88	37.48 -0.20 1.60	36.06 -0.18 0.47	29.64 0.07 2.79	29.12 0.56 1.35
KEDC_PORT_JEFF_GT2 24210	39.99 2.51 0.00	34.00 2.00 0.00	33.39 2.00 0.00	32.20 1.83 0.00	35.66 2.20 0.00	46.31 2.90 -8.80	54.21 4.06 -12.54	63.40 4.30 -20.10	47.07 3.71 -7.38	33.10 2.79 0.00	38.63 3.27 0.00	40.80 3.73 0.00	43.08 3.89 0.00	44.28 4.03 0.00	42.93 4.03 0.00	41.32 4.48 0.00	38.87 4.83 0.00	41.07 5.15 0.00	39.32 4.66 0.00	41.50 4.59 0.00	43.95 4.67 0.00	41.22 4.51 0.00	36.15 3.79 0.00	33.04 3.13 0.00
KEDC_PORT_JEFF_GT3 24211	39.99 2.51 0.00	34.00 2.00 0.00	33.39 2.00 0.00	32.20 1.83 0.00	35.66 2.20 0.00	46.31 2.90 -8.80	54.21 4.06 -12.54	63.40 4.30 -20.10	47.07 3.71 -7.38	33.10 2.79 0.00	38.63 3.27 0.00	40.80 3.73 0.00	43.08 3.89 0.00	44.28 4.03 0.00	42.93 4.03 0.00	41.32 4.48 0.00	38.87 4.83 0.00	41.07 5.15 0.00	39.32 4.66 0.00	41.50 4.59 0.00	43.95 4.67 0.00	41.22 4.51 0.00	36.15 3.79 0.00	33.04 3.13 0.00
KEDC_GLWD_GT4 24219	39.01 1.53 0.00	33.30 1.30 0.00	32.63 1.24 0.00	31.50 1.13 0.00	34.83 1.37 0.00	43.36 1.86 -6.90	53.09 2.95 -12.54	62.18 3.09 -20.10	46.01 2.65 -7.38	32.27 1.96 0.00	37.86 2.50 0.00	39.99 2.91 0.00	42.29 3.10 0.00	43.45 3.20 0.00	42.13 3.23 0.00	40.28 3.44 0.00	37.66 3.62 -0.01	39.81 3.90 0.00	38.21 3.56 0.00	40.35 3.43 0.00	42.71 3.42 0.00	39.95 3.24 0.00	35.03 2.66 0.00	32.06 2.16 0.00
KEDC_GLWD_GT5 24220	39.01 1.53 0.00	33.30 1.30 0.00	32.63 1.24 0.00	31.50 1.13 0.00	34.83 1.37 0.00	43.36 1.86 -6.90	53.09 2.95 -12.54	62.18 3.09 -20.10	46.01 2.65 -7.38	32.27 1.96 0.00	37.86 2.50 0.00	39.99 2.91 0.00	42.29 3.10 0.00	43.45 3.20 0.00	42.13 3.23 0.00	40.28 3.44 0.00	37.66 3.62 -0.01	39.81 3.90 0.00	38.21 3.56 0.00	40.35 3.43 0.00	42.71 3.42 0.00	39.95 3.24 0.00	35.03 2.66 0.00	32.06 2.16 0.00
KENSICO____ 23655	38.43 0.96 0.00	32.90 0.89 0.00	32.22 0.82 0.00	31.10 0.74 0.00	34.36 0.90 0.00	39.55 1.26 -3.69	52.44 2.33 -12.51	61.69 2.64 -20.05	45.62 2.27 -7.36	31.93 1.62 0.00	37.31 1.96 0.00	39.40 2.32 0.00	41.72 2.53 0.00	42.91 2.66 0.00	41.61 2.70 0.00	39.65 2.82 0.00	37.13 3.10 0.00	39.33 3.42 0.00	37.82 3.16 0.00	39.90 2.98 0.00	42.21 2.92 0.00	39.42 2.71 0.00	34.57 2.20 0.00	31.65 1.75 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	38.71 1.23 0.00	33.09 1.09 0.00	32.41 1.02 0.00	31.32 0.95 0.00	34.63 1.17 0.00	36.17 1.56 0.00	40.11 2.50 0.00	48.29 2.83 -6.47	38.47 2.48 0.00	32.05 1.74 0.00	37.44 2.08 0.00	39.43 2.36 0.00	41.81 2.62 0.00	43.07 2.82 0.00	41.81 2.91 0.00	39.79 2.96 0.00	37.30 3.26 0.00	39.60 3.69 0.00	38.12 3.47 0.00	40.26 3.34 0.00	42.55 3.26 0.00	39.69 2.97 0.00	34.75 2.39 0.00	31.84 1.93 0.00
KIAC_JFK_GT1 23816	38.35 0.87 0.00	32.84 0.84 0.00	32.23 0.83 0.00	31.12 0.76 0.00	34.38 0.92 0.00	39.56 1.26 -3.70	52.54 2.40 -12.54	61.87 2.78 -20.09	45.75 2.39 -7.37	32.03 1.72 0.00	37.38 2.02 0.00	39.50 2.43 0.00	41.86 2.67 0.00	43.08 2.83 0.00	41.79 2.89 0.00	39.85 3.01 0.00	37.34 3.31 0.00	39.57 3.66 0.00	38.05 3.39 0.00	40.05 3.14 0.00	42.35 3.06 0.00	39.55 2.84 0.00	34.67 2.31 0.00	31.66 1.76 0.00
KIAC_JFK_GT2 23817	38.35 0.87 0.00	32.84 0.84 0.00	32.23 0.83 0.00	31.12 0.76 0.00	34.38 0.92 0.00	39.56 1.26 -3.70	52.54 2.40 -12.54	61.87 2.78 -20.09	45.75 2.39 -7.37	32.03 1.72 0.00	37.38 2.02 0.00	39.50 2.43 0.00	41.86 2.67 0.00	43.08 2.83 0.00	41.79 2.89 0.00	39.85 3.01 0.00	37.34 3.31 0.00	39.57 3.66 0.00	38.05 3.39 0.00	40.05 3.14 0.00	42.35 3.06 0.00	39.55 2.84 0.00	34.67 2.31 0.00	31.66 1.76 0.00



KIAC_JFK____ 323774	38.35 0.87 0.00	32.84 0.83 0.00	32.23 0.84 0.00	31.12 0.76 0.00	34.37 0.91 0.00	39.56 1.26 -3.70	52.54 2.39 -12.54	61.86 2.77 -20.09	45.73 2.37 -7.37	32.03 1.72 0.00	37.37 2.01 0.00	39.50 2.43 0.00	41.86 2.67 0.00	43.08 2.83 0.00	41.79 2.88 0.00	39.85 3.02 0.00	37.35 3.31 0.00	39.57 3.66 0.00	38.05 3.40 0.00	40.05 3.14 0.00	42.35 3.06 0.00	39.55 2.84 0.00	34.67 2.31 0.00	31.66 1.76 0.00
KINTIGH____ 23543	36.65 -0.82 0.00	30.92 -1.08 0.00	30.64 -0.75 0.00	29.66 -0.70 0.00	32.73 -0.72 0.00	33.62 -0.99 0.00	36.50 -1.10 0.00	38.99 -1.40 -1.39	35.35 -0.63 0.00	29.91 -0.40 0.00	34.71 -0.65 0.00	36.25 -0.82 0.00	38.28 -0.91 0.00	39.34 -0.91 0.00	37.93 -0.97 0.00	35.67 -1.17 0.00	33.12 -0.91 0.00	35.10 -0.81 0.00	33.37 -1.29 0.00	35.82 -1.09 0.00	37.75 -1.53 0.00	35.28 -1.43 0.00	31.35 -1.01 0.00	29.42 -0.49 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	40.36 2.88 0.00	34.50 2.50 0.00	33.80 2.41 0.00	32.68 2.31 0.00	35.85 2.39 0.00	36.78 2.18 0.00	39.41 1.81 0.00	41.11 2.10 0.00	37.65 1.67 0.00	31.91 1.60 0.00	36.93 1.57 0.00	38.74 1.66 0.00	40.95 1.76 0.00	42.04 1.78 0.00	40.49 1.58 0.00	38.32 1.49 0.00	35.28 1.24 0.00	37.12 1.21 0.00	35.86 1.20 0.00	38.41 1.49 0.00	40.94 1.65 0.00	38.16 1.45 0.00	33.68 1.32 0.00	31.24 1.34 0.00
LACHUTE____HYDRO 323717	39.65 2.18 0.00	34.12 2.12 0.00	33.50 2.11 0.00	32.23 1.86 0.00	35.53 2.08 0.00	81.03 2.66 -43.77	191.21 5.23 -148.37	230.37 5.01 -186.35	128.04 4.81 -87.25	33.62 3.31 0.00	39.04 3.68 0.00	41.12 4.05 0.00	43.13 3.94 0.00	44.30 4.05 0.00	42.70 3.80 0.00	40.64 3.80 0.00	38.17 4.13 0.00	40.27 4.36 0.00	38.62 3.96 0.00	40.75 3.84 0.00	42.56 3.28 0.00	39.90 3.18 0.00	35.12 2.75 0.00	32.03 2.12 0.00
LAWRNCV_115KV_TB1 80681	38.56 1.08 0.00	33.10 1.10 0.00	32.48 1.09 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.70 0.00	37.76 0.15 0.00	39.18 0.17 0.00	36.06 0.07 0.00	30.60 0.29 0.00	35.83 0.47 0.00	37.44 0.36 0.00	39.59 0.40 0.00	40.69 0.44 0.00	39.21 0.30 0.00	36.63 -0.21 0.00	33.46 -0.57 0.00	34.84 -1.08 0.00	34.11 -0.55 0.00	36.56 -0.35 0.00	39.25 -0.04 0.00	36.97 0.26 0.00	32.80 0.44 0.00	30.39 0.48 0.00
LEDERLE____ 23769	38.28 0.81 0.00	32.76 0.76 0.00	32.08 0.69 0.00	30.99 0.62 0.00	34.27 0.82 0.00	39.14 1.18 -3.35	51.21 2.24 -11.36	60.04 2.52 -18.52	44.83 2.16 -6.68	31.75 1.44 0.00	37.05 1.69 0.00	39.15 2.08 0.00	41.48 2.29 0.00	42.65 2.40 0.00	41.34 2.43 0.00	39.35 2.52 0.00	36.87 2.83 0.00	39.05 3.14 0.00	37.56 2.91 0.00	39.61 2.70 0.00	41.92 2.63 0.00	39.14 2.43 0.00	34.32 1.96 0.00	31.44 1.53 0.00
LIGHTHSE_115KV_TB6 355974	36.62 -0.85 0.00	31.19 -0.82 0.00	30.61 -0.78 0.00	29.63 -0.74 0.00	32.69 -0.77 0.00	33.86 -0.74 0.00	37.09 -0.52 0.00	39.40 -0.49 -0.89	35.67 -0.32 0.00	30.03 -0.28 0.00	34.99 -0.37 0.00	36.70 -0.37 0.00	38.73 -0.46 0.00	39.75 -0.51 0.00	38.41 -0.50 0.00	36.34 -0.50 0.00	33.75 -0.28 0.00	35.70 -0.21 0.00	34.34 -0.31 0.00	36.55 -0.36 0.00	38.75 -0.53 0.00	36.15 -0.56 0.00	31.77 -0.59 0.00	29.31 -0.59 0.00
LINDEN COGEN____ 23786	38.19 0.71 0.00	32.68 0.68 0.00	32.02 0.62 0.00	30.89 0.53 0.00	34.13 0.67 0.00	39.33 1.03 -3.70	52.26 2.11 -12.54	61.53 2.44 -20.09	45.40 2.04 -7.37	30.58 1.43 1.16	34.60 1.70 2.46	39.17 2.09 0.00	41.50 2.31 0.00	42.70 2.45 0.00	41.42 2.52 0.00	39.47 2.64 0.00	36.99 2.96 0.00	39.19 3.27 0.00	37.67 3.02 0.00	39.69 2.77 0.00	42.02 2.74 0.00	39.24 2.53 0.00	34.39 2.03 0.00	31.45 1.55 0.00
LINDHRST_69_KV_BK1 356055	39.79 2.32 0.00	33.86 1.85 0.00	33.24 1.85 0.00	32.05 1.68 0.00	35.48 2.03 0.00	45.76 2.71 -8.45	53.98 3.83 -12.54	63.17 4.07 -20.10	46.88 3.52 -7.38	32.94 2.64 0.00	38.48 3.12 0.00	40.65 3.58 0.00	42.87 3.68 0.00	44.01 3.77 0.00	42.67 3.76 0.00	41.02 4.18 0.00	38.57 4.53 0.00	40.73 4.81 0.00	39.02 4.36 0.00	41.21 4.30 0.00	43.70 4.41 0.00	40.95 4.24 0.00	35.94 3.58 0.00	32.86 2.96 0.00
LIPA_MISC_IPP 23656	40.00 2.53 0.00	34.01 2.00 0.00	33.39 2.00 0.00	32.22 1.85 0.00	35.69 2.23 0.00	46.38 2.96 -8.81	54.26 4.11 -12.54	63.48 4.38 -20.10	47.12 3.76 -7.38	33.08 2.77 0.00	38.60 3.25 0.00	40.80 3.73 0.00	43.10 3.91 0.00	44.30 4.05 0.00	42.98 4.08 0.00	41.38 4.54 0.00	38.91 4.87 0.00	41.11 5.19 0.00	39.36 4.70 0.00	41.54 4.63 0.00	43.99 4.70 0.00	41.26 4.55 0.00	36.17 3.81 0.00	33.06 3.15 0.00
LISF____SOLAR 323691	40.06 2.59 0.00	34.05 2.05 0.00	33.45 2.06 0.00	32.26 1.89 0.00	35.73 2.28 0.00	46.41 2.99 -8.81	54.32 4.18 -12.54	63.54 4.44 -20.10	47.16 3.79 -7.38	33.11 2.80 0.00	38.65 3.29 0.00	40.85 3.78 0.00	43.18 3.99 0.00	44.37 4.13 0.00	43.07 4.16 0.00	41.46 4.63 0.00	38.99 4.95 0.00	41.21 5.30 0.00	39.44 4.78 0.00	41.63 4.72 0.00	44.07 4.78 0.00	41.36 4.64 0.00	36.25 3.89 0.00	33.12 3.21 0.00
LITTLE FALLS____HYD 24013	36.71 -0.77 0.00	31.46 -0.54 0.00	30.78 -0.61 0.00	29.72 -0.65 0.00	32.82 -0.63 0.00	34.30 -0.31 0.00	38.19 0.59 0.00	39.89 0.89 0.00	36.70 0.71 0.00	30.51 0.19 0.00	35.79 0.43 0.00	37.75 0.68 0.00	39.86 0.68 0.00	40.90 0.65 0.00	39.70 0.79 0.00	37.84 1.00 0.00	35.41 1.38 0.00	37.65 1.74 0.00	36.31 1.66 0.00	38.26 1.35 0.00	40.48 1.19 0.00	37.77 1.06 0.00	33.02 0.65 0.00	30.25 0.34 0.00
LITTLRIV_115KV_TB1 356100	39.06 1.58 0.00	33.53 1.52 0.00	32.90 1.51 0.00	31.85 1.48 0.00	35.06 1.60 0.00	35.90 1.30 0.00	38.48 0.88 0.00	39.93 0.92 0.00	36.69 0.70 0.00	31.14 0.84 0.00	36.49 1.13 0.00	38.06 0.99 0.00	40.25 1.07 0.00	41.44 1.19 0.00	39.88 0.98 0.00	37.24 0.41 0.00	34.02 -0.02 0.00	35.49 -0.42 0.00	34.78 0.13 0.00	37.37 0.45 0.00	40.05 0.76 0.00	37.68 0.96 0.00	33.38 1.01 0.00	30.90 0.99 0.00
LI_NEWBRDGE____DRP 323616	39.07 1.59 0.00	33.30 1.30 0.00	32.66 1.26 0.00	31.51 1.14 0.00	34.86 1.41 0.00	45.57 1.98 -8.99	53.16 3.01 -12.54	62.31 3.21 -20.10	46.11 2.75 -7.38	32.34 2.03 0.00	37.80 2.45 0.00	39.93 2.86 0.00	42.13 2.94 0.00	43.28 3.03 0.00	41.96 3.05 0.00	40.25 3.41 0.00	37.75 3.71 0.00	39.85 3.93 0.00	38.21 3.56 0.00	40.37 3.46 0.00	42.79 3.50 0.00	40.10 3.39 0.00	35.19 2.83 0.00	32.21 2.31 0.00
LOCKPORT_115KV_TB60_63_64 80432	37.02 -0.46 0.00	31.12 -0.88 0.00	30.91 -0.48 0.00	29.95 -0.41 0.00	33.05 -0.40 0.00	33.93 -0.68 0.00	36.79 -0.81 0.00	39.43 -1.23 -1.65	35.68 -0.30 0.00	30.22 -0.09 0.00	35.03 -0.33 0.00	36.53 -0.55 0.00	38.56 -0.63 0.00	39.63 -0.62 0.00	38.22 -0.69 0.00	35.88 -0.96 0.00	33.35 -0.69 0.00	35.35 -0.56 0.00	33.52 -1.14 0.00	36.06 -0.85 0.00	37.92 -1.36 0.00	35.42 -1.29 0.00	31.53 -0.83 0.00	29.75 -0.16 0.00



LOCKPORT___CC1 323769	25.79 -0.43 11.26	29.34 -0.87 1.80	29.23 -0.46 1.70	27.87 -0.41 2.09	30.25 -0.35 2.85	30.22 -0.67 3.71	36.13 -0.86 0.61	39.54 -1.12 -1.66	29.25 -0.29 6.44	28.65 -0.06 1.60	35.01 -0.34 0.00	36.52 -0.55 0.00	38.55 -0.64 0.00	39.62 -0.63 0.00	38.20 -0.71 0.00	35.87 -0.97 0.00	33.33 -0.71 0.00	35.34 -0.58 0.00	33.52 -1.13 0.00	35.34 -0.86 0.72	36.61 -1.37 1.31	35.04 -1.29 0.38	29.26 -0.82 2.28	28.65 -0.16 1.10
LOCKPORT___CC2 323770	25.79 -0.43 11.26	29.34 -0.87 1.80	29.23 -0.46 1.70	27.87 -0.41 2.09	30.25 -0.35 2.85	30.22 -0.67 3.71	36.13 -0.86 0.61	39.54 -1.12 -1.66	29.25 -0.29 6.44	28.65 -0.06 1.60	35.01 -0.34 0.00	36.52 -0.55 0.00	38.55 -0.64 0.00	39.62 -0.63 0.00	38.20 -0.71 0.00	35.87 -0.97 0.00	33.33 -0.71 0.00	35.34 -0.58 0.00	33.52 -1.13 0.00	35.34 -0.86 0.72	36.61 -1.37 1.31	35.04 -1.29 0.38	29.26 -0.82 2.28	28.65 -0.16 1.10
LOCKPORT___CC3 323771	25.79 -0.43 11.26	29.34 -0.87 1.80	29.23 -0.46 1.70	27.87 -0.41 2.09	30.25 -0.35 2.85	30.22 -0.67 3.71	36.13 -0.86 0.61	39.54 -1.12 -1.66	29.25 -0.29 6.44	28.65 -0.06 1.60	35.01 -0.34 0.00	36.52 -0.55 0.00	38.55 -0.64 0.00	39.62 -0.63 0.00	38.20 -0.71 0.00	35.87 -0.97 0.00	33.33 -0.71 0.00	35.34 -0.58 0.00	33.52 -1.13 0.00	35.34 -0.86 0.72	36.61 -1.37 1.31	35.04 -1.29 0.38	29.26 -0.82 2.28	28.65 -0.16 1.10
LONG_LAKE_PHOENIX 24014	36.56 -0.91 0.00	31.13 -0.87 0.00	30.56 -0.83 0.00	29.59 -0.77 0.00	32.62 -0.84 0.00	33.75 -0.85 0.00	36.92 -0.69 0.00	39.31 -0.70 -1.01	35.46 -0.53 0.00	29.84 -0.47 0.00	34.77 -0.58 0.00	36.47 -0.60 0.00	38.50 -0.69 0.00	39.51 -0.74 0.00	38.19 -0.72 0.00	36.17 -0.66 0.00	33.60 -0.43 0.00	35.54 -0.37 0.00	34.18 -0.48 0.00	36.37 -0.55 0.00	38.53 -0.76 0.00	35.95 -0.76 0.00	31.64 -0.72 0.00	29.25 -0.66 0.00
LOVETT___3 23632	38.11 0.64 0.00	32.64 0.63 0.00	31.95 0.56 0.00	30.87 0.50 0.00	34.12 0.67 0.00	39.00 1.02 -3.38	51.11 2.05 -11.46	59.96 2.31 -18.65	44.67 1.95 -6.74	31.58 1.27 0.00	36.85 1.49 0.00	38.93 1.86 0.00	41.25 2.06 0.00	42.42 2.17 0.00	41.12 2.21 0.00	39.15 2.32 0.00	36.67 2.63 0.00	38.83 2.92 0.00	37.35 2.70 0.00	39.39 2.48 0.00	41.68 2.40 0.00	38.95 2.24 0.00	34.16 1.80 0.00	31.30 1.39 0.00
LOVETT___4 23642	38.11 0.64 0.00	32.64 0.63 0.00	31.95 0.56 0.00	30.87 0.50 0.00	34.12 0.67 0.00	39.00 1.02 -3.38	51.11 2.05 -11.46	59.96 2.31 -18.65	44.67 1.95 -6.74	31.58 1.27 0.00	36.85 1.49 0.00	38.93 1.86 0.00	41.25 2.06 0.00	42.42 2.17 0.00	41.12 2.21 0.00	39.15 2.32 0.00	36.67 2.63 0.00	38.83 2.92 0.00	37.35 2.70 0.00	39.39 2.48 0.00	41.68 2.40 0.00	38.95 2.24 0.00	34.16 1.80 0.00	31.30 1.39 0.00
LOVETT___5 23593	38.11 0.64 0.00	32.64 0.63 0.00	31.95 0.56 0.00	30.87 0.50 0.00	34.12 0.67 0.00	39.00 1.02 -3.38	51.11 2.05 -11.46	59.96 2.31 -18.65	44.67 1.95 -6.74	31.58 1.27 0.00	36.85 1.49 0.00	38.93 1.86 0.00	41.25 2.06 0.00	42.42 2.17 0.00	41.12 2.21 0.00	39.15 2.32 0.00	36.67 2.63 0.00	38.83 2.92 0.00	37.35 2.70 0.00	39.39 2.48 0.00	41.68 2.40 0.00	38.95 2.24 0.00	34.16 1.80 0.00	31.30 1.39 0.00
LOWER_RAQUET___HYD 24057	38.57 1.09 0.00	33.10 1.10 0.00	32.48 1.08 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.69 0.00	37.75 0.15 0.00	39.15 0.14 0.00	36.05 0.07 0.00	30.58 0.27 0.00	35.85 0.49 0.00	37.45 0.37 0.00	39.59 0.40 0.00	40.71 0.46 0.00	39.21 0.30 0.00	36.57 -0.27 0.00	33.38 -0.65 0.00	34.78 -1.14 0.00	34.03 -0.62 0.00	36.50 -0.41 0.00	39.20 -0.08 0.00	36.99 0.27 0.00	32.82 0.46 0.00	30.41 0.50 0.00
LOWER___HUDSON 24059	38.51 1.03 0.00	32.99 0.98 0.00	32.30 0.91 0.00	31.21 0.85 0.00	34.41 0.96 0.00	134.52 1.11 -98.81	374.66 2.11 -334.95	430.85 2.25 -389.61	234.73 1.79 -196.95	31.48 1.17 0.00	36.97 1.61 0.00	38.77 1.70 0.00	41.03 1.84 0.00	42.19 1.94 0.00	40.82 1.91 0.00	38.76 1.92 0.00	35.99 1.95 0.00	37.99 2.07 0.00	36.60 1.95 0.00	38.81 1.90 0.00	41.31 2.02 0.00	38.61 1.90 0.00	33.92 1.55 0.00	31.20 1.29 0.00
LOWVILLE_115KV_TB2 356335	38.00 0.52 0.00	32.37 0.37 0.00	31.78 0.39 0.00	30.77 0.40 0.00	33.97 0.51 0.00	35.21 0.60 0.00	38.48 0.87 0.00	40.00 1.00 0.00	37.00 1.02 0.00	31.23 0.93 0.00	36.42 1.07 0.00	38.17 1.10 0.00	40.27 1.08 0.00	41.35 1.10 0.00	39.97 1.06 0.00	37.72 0.89 0.00	34.98 0.95 0.00	36.85 0.94 0.00	35.56 0.91 0.00	37.90 0.99 0.00	40.30 1.01 0.00	37.64 0.93 0.00	33.08 0.72 0.00	30.47 0.57 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	38.87 1.39 0.00	33.27 1.27 0.00	32.61 1.21 0.00	31.51 1.15 0.00	34.79 1.33 0.00	84.90 1.57 -48.72	205.25 2.49 -165.16	246.32 2.63 -204.68	135.42 2.32 -97.11	31.96 1.65 0.00	37.39 2.03 0.00	39.19 2.11 0.00	41.38 2.19 0.00	42.52 2.27 0.00	41.11 2.21 0.00	39.05 2.22 0.00	36.36 2.32 0.00	38.41 2.50 0.00	36.98 2.33 0.00	39.20 2.29 0.00	41.61 2.32 0.00	38.91 2.20 0.00	34.14 1.78 0.00	31.40 1.49 0.00
LUTHERNY_35_KV_BK2 355980	38.89 1.41 0.00	33.28 1.27 0.00	32.62 1.23 0.00	31.55 1.18 0.00	34.80 1.35 0.00	84.96 1.63 -48.72	205.26 2.50 -165.16	246.34 2.65 -204.68	135.47 2.37 -97.11	32.03 1.72 0.00	37.42 2.06 0.00	39.22 2.15 0.00	41.41 2.23 0.00	42.56 2.31 0.00	41.15 2.24 0.00	39.09 2.25 0.00	36.37 2.34 0.00	38.43 2.51 0.00	37.02 2.36 0.00	39.19 2.28 0.00	41.64 2.36 0.00	38.95 2.24 0.00	34.14 1.77 0.00	31.40 1.49 0.00
LWR___OSWEGATCHIE_HYD 23850	37.88 0.41 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.45 0.00	34.88 0.27 0.00	37.70 0.10 0.00	39.16 0.16 0.00	36.12 0.14 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.81 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
LYONS_FALL_HYD 23570	38.08 0.61 0.00	32.47 0.46 0.00	31.87 0.47 0.00	30.85 0.48 0.00	34.05 0.59 0.00	35.29 0.69 0.00	38.60 1.00 0.00	40.13 1.13 0.00	37.12 1.14 0.00	31.31 1.00 0.00	36.52 1.16 0.00	38.27 1.20 0.00	40.38 1.19 0.00	41.46 1.21 0.00	40.08 1.17 0.00	37.89 1.05 0.00	35.15 1.11 0.00	37.07 1.16 0.00	35.74 1.09 0.00	38.06 1.15 0.00	40.44 1.15 0.00	37.76 1.05 0.00	33.18 0.82 0.00	30.57 0.66 0.00
MADISON___COUNTY_LFGE 323628	38.28 0.80 0.00	32.67 0.67 0.00	32.08 0.69 0.00	31.06 0.69 0.00	34.28 0.83 0.00	35.59 0.98 0.00	39.00 1.40 0.00	41.14 1.52 -0.61	37.55 1.57 0.00	31.64 1.33 0.00	36.86 1.50 0.00	38.67 1.59 0.00	40.82 1.63 0.00	41.91 1.65 0.00	40.53 1.63 0.00	38.41 1.58 0.00	35.68 1.64 0.00	37.61 1.70 0.00	36.18 1.53 0.00	38.48 1.57 0.00	40.79 1.51 0.00	38.05 1.34 0.00	33.42 1.06 0.00	30.81 0.91 0.00



MALONE___115KV_TB1 356076	39.88 2.40 0.00	34.10 2.10 0.00	33.43 2.03 0.00	32.34 1.97 0.00	35.51 2.05 0.00	36.44 1.84 0.00	39.05 1.45 0.00	40.69 1.69 0.00	37.39 1.40 0.00	31.72 1.41 0.00	36.89 1.53 0.00	38.61 1.54 0.00	40.82 1.63 0.00	41.91 1.66 0.00	40.41 1.50 0.00	38.04 1.21 0.00	34.95 0.91 0.00	36.69 0.78 0.00	35.56 0.91 0.00	38.10 1.18 0.00	40.71 1.42 0.00	38.08 1.37 0.00	33.67 1.30 0.00	31.19 1.29 0.00
MAPLEWOD_115KV_TB3 80458	38.26 0.79 0.00	32.76 0.75 0.00	32.06 0.67 0.00	30.99 0.63 0.00	34.17 0.71 0.00	18.42 0.85 17.04	-19.06 1.10 57.77	-6.67 1.24 46.91	3.04 1.02 33.97	30.96 0.65 0.00	36.34 0.98 0.00	38.17 1.10 0.00	40.38 1.19 0.00	41.50 1.25 0.00	40.16 1.26 0.00	38.15 1.32 0.00	35.52 1.48 0.00	37.55 1.64 0.00	36.17 1.52 0.00	38.37 1.46 0.00	40.69 1.41 0.00	38.01 1.30 0.00	33.40 1.04 0.00	30.73 0.83 0.00
MAPLE_RIDGE_WT_1 323574	37.72 0.25 0.00	32.22 0.21 0.00	31.58 0.18 0.00	30.56 0.19 0.00	33.66 0.20 0.00	34.74 0.14 0.00	37.58 -0.03 0.00	38.96 -0.04 0.00	35.94 -0.05 0.00	30.34 0.04 0.00	35.40 0.04 0.00	37.06 -0.02 0.00	39.16 -0.03 0.00	40.21 -0.04 0.00	38.86 -0.05 0.00	36.72 -0.12 0.00	33.81 -0.22 0.00	35.59 -0.32 0.00	34.42 -0.23 0.00	36.73 -0.18 0.00	39.18 -0.10 0.00	36.64 -0.08 0.00	32.37 0.01 0.00	29.95 0.05 0.00
MAPLE_RIDGE_WT_2 323611	37.72 0.25 0.00	32.22 0.21 0.00	31.58 0.18 0.00	30.56 0.19 0.00	33.66 0.20 0.00	34.74 0.14 0.00	37.58 -0.03 0.00	38.96 -0.04 0.00	35.94 -0.05 0.00	30.34 0.04 0.00	35.40 0.04 0.00	37.06 -0.02 0.00	39.16 -0.03 0.00	40.21 -0.04 0.00	38.86 -0.05 0.00	36.72 -0.12 0.00	33.81 -0.22 0.00	35.59 -0.32 0.00	34.42 -0.23 0.00	36.73 -0.18 0.00	39.18 -0.10 0.00	36.64 -0.08 0.00	32.37 0.01 0.00	29.95 0.05 0.00
MARBLE_RIVER_WT_PWR 323696	39.67 2.20 0.00	33.92 1.92 0.00	33.24 1.85 0.00	32.15 1.79 0.00	35.29 1.84 0.00	36.22 1.61 0.00	38.82 1.21 0.00	40.39 1.39 0.00	37.08 1.09 0.00	31.39 1.09 0.00	36.40 1.05 0.00	38.16 1.08 0.00	40.34 1.15 0.00	41.40 1.15 0.00	39.91 1.01 0.00	37.73 0.89 0.00	34.68 0.64 0.00	36.44 0.53 0.00	35.22 0.57 0.00	37.73 0.81 0.00	40.27 0.98 0.00	37.59 0.88 0.00	33.22 0.86 0.00	30.82 0.91 0.00
MARSHVLE_115KV_TB1 80742	39.55 2.08 0.00	33.74 1.73 0.00	33.07 1.68 0.00	32.01 1.64 0.00	35.35 1.89 0.00	44.58 2.12 -7.85	66.55 2.34 -26.61	90.86 2.58 -49.27	54.20 2.56 -15.65	32.58 2.27 0.00	37.89 2.53 0.00	39.57 2.50 0.00	41.85 2.66 0.00	42.87 2.62 0.00	41.44 2.53 0.00	39.19 2.35 0.00	36.26 2.22 0.00	38.31 2.40 0.00	36.89 2.24 0.00	39.46 2.55 0.00	41.82 2.54 0.00	38.96 2.24 0.00	34.32 1.96 0.00	31.67 1.76 0.00
MARSH_HILL_WT_PWR 323713	40.43 -0.05 -3.01	32.18 -0.31 -0.48	31.84 -0.01 -0.45	31.00 0.07 -0.56	34.51 0.29 -0.76	35.98 0.38 -0.99	38.59 0.82 -0.16	41.90 0.80 -2.10	39.25 1.54 -1.72	32.09 1.36 -0.43	36.71 1.36 0.00	38.57 1.50 0.00	40.70 1.51 0.00	41.79 1.54 0.00	40.39 1.48 0.00	38.10 1.26 0.00	35.47 1.43 0.00	37.67 1.76 0.00	35.95 1.30 0.00	38.60 1.49 -0.19	40.66 1.03 -0.35	37.80 0.98 -0.10	33.85 0.87 -0.61	31.32 1.12 -0.29
MCINTYRE_115KV_TB2 80467	39.30 1.83 0.00	33.74 1.74 0.00	33.11 1.72 0.00	32.05 1.69 0.00	35.30 1.84 0.00	36.18 1.58 0.00	38.83 1.22 0.00	40.27 1.27 0.00	37.00 1.01 0.00	31.39 1.09 0.00	36.71 1.35 0.00	38.28 1.21 0.00	40.50 1.32 0.00	41.71 1.46 0.00	40.13 1.23 0.00	37.55 0.72 0.00	34.32 0.28 0.00	35.83 -0.09 0.00	35.12 0.46 0.00	37.74 0.83 0.00	40.41 1.13 0.00	37.93 1.21 0.00	33.58 1.21 0.00	31.10 1.19 0.00
MECO___69_KV_BK1 80468	41.01 3.54 0.00	34.96 2.95 0.00	34.25 2.86 0.00	33.13 2.77 0.00	36.66 3.20 0.00	46.64 3.58 -8.45	70.56 4.30 -28.66	96.55 4.68 -52.87	57.25 4.41 -16.85	33.86 3.55 0.00	39.42 4.06 0.00	41.25 4.17 0.00	43.44 4.25 0.00	44.64 4.39 0.00	43.33 4.43 0.00	41.14 4.31 0.00	38.46 4.43 0.00	40.69 4.78 0.00	39.14 4.49 0.00	41.71 4.80 0.00	44.11 4.83 0.00	41.00 4.28 0.00	35.95 3.59 0.00	33.04 3.14 0.00
MENANDS__115KV_TB5 355628	38.05 0.58 0.00	32.58 0.57 0.00	31.90 0.50 0.00	30.83 0.46 0.00	33.98 0.53 0.00	17.30 0.66 17.96	-22.43 0.85 60.88	-10.83 0.98 50.81	0.93 0.75 35.80	30.72 0.41 0.00	36.06 0.71 0.00	37.89 0.82 0.00	40.08 0.89 0.00	41.19 0.94 0.00	39.86 0.96 0.00	37.87 1.04 0.00	35.26 1.22 0.00	37.28 1.37 0.00	35.92 1.27 0.00	38.10 1.18 0.00	40.41 1.13 0.00	37.74 1.03 0.00	33.18 0.82 0.00	30.55 0.64 0.00
MG INDUSTRY___DRP 24185	38.25 0.78 0.00	32.75 0.75 0.00	32.09 0.70 0.00	31.01 0.65 0.00	34.19 0.73 0.00	25.50 0.86 9.96	4.84 1.01 33.77	14.96 1.10 25.14	17.02 0.89 19.86	30.85 0.55 0.00	36.16 0.81 0.00	37.97 0.90 0.00	40.14 0.95 0.00	41.23 0.97 0.00	39.93 1.02 0.00	37.91 1.08 0.00	35.25 1.21 0.00	37.30 1.39 0.00	35.95 1.30 0.00	38.21 1.29 0.00	40.54 1.26 0.00	37.87 1.16 0.00	33.32 0.95 0.00	30.70 0.79 0.00
MID___OSWEGATCHIE_HYD 23849	37.88 0.41 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.45 0.00	34.88 0.27 0.00	37.70 0.10 0.00	39.16 0.16 0.00	36.12 0.14 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.81 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
MID___RAQUETTE_HYD 23851	38.57 1.09 0.00	33.10 1.10 0.00	32.48 1.08 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.69 0.00	37.72 0.12 0.00	39.14 0.14 0.00	36.02 0.03 0.00	30.58 0.27 0.00	35.85 0.49 0.00	37.45 0.37 0.00	39.59 0.40 0.00	40.71 0.46 0.00	39.21 0.30 0.00	36.56 -0.27 0.00	33.38 -0.65 0.00	34.78 -1.14 0.00	34.04 -0.62 0.00	36.50 -0.41 0.00	39.20 -0.08 0.00	36.98 0.27 0.00	32.82 0.46 0.00	30.41 0.50 0.00
MILLIKEN___1 23584	38.00 0.52 0.00	32.32 0.31 0.00	31.71 0.32 0.00	30.71 0.35 0.00	33.95 0.50 0.00	35.23 0.62 0.00	38.76 1.16 0.00	42.30 1.23 -2.08	37.37 1.38 0.00	31.39 1.08 0.00	36.51 1.15 0.00	38.38 1.31 0.00	40.50 1.31 0.00	41.59 1.34 0.00	40.25 1.34 0.00	38.11 1.28 0.00	35.49 1.45 0.00	37.60 1.69 0.00	36.12 1.46 0.00	38.42 1.51 0.00	40.57 1.29 0.00	37.85 1.14 0.00	33.25 0.88 0.00	30.71 0.80 0.00
MILLIKEN___2 23585	38.00 0.52 0.00	32.32 0.31 0.00	31.71 0.32 0.00	30.71 0.35 0.00	33.95 0.50 0.00	35.23 0.62 0.00	38.76 1.16 0.00	42.30 1.23 -2.08	37.37 1.38 0.00	31.39 1.08 0.00	36.51 1.15 0.00	38.38 1.31 0.00	40.50 1.31 0.00	41.59 1.34 0.00	40.25 1.34 0.00	38.11 1.28 0.00	35.49 1.45 0.00	37.60 1.69 0.00	36.12 1.46 0.00	38.42 1.51 0.00	40.57 1.29 0.00	37.85 1.14 0.00	33.25 0.88 0.00	30.71 0.80 0.00



MILLIKEN___DIESEL 23629	38.00 0.52 0.00	32.32 0.31 0.00	31.71 0.32 0.00	30.71 0.35 0.00	33.95 0.50 0.00	35.23 0.62 0.00	38.76 1.16 0.00	42.30 1.23 -2.08	37.37 1.38 0.00	31.39 1.08 0.00	36.51 1.15 0.00	38.38 1.31 0.00	40.50 1.31 0.00	41.59 1.34 0.00	40.25 1.34 0.00	38.11 1.28 0.00	35.49 1.45 0.00	37.60 1.69 0.00	36.12 1.46 0.00	38.42 1.51 0.00	40.57 1.29 0.00	37.85 1.14 0.00	33.25 0.88 0.00	30.71 0.80 0.00
MILLSEAT___LFGE 323607	27.48 0.19 10.19	30.07 -0.31 1.63	29.90 0.05 1.54	28.56 0.09 1.89	31.09 0.21 2.58	31.22 -0.02 3.36	37.05 0.00 0.55	40.50 -0.12 -1.62	30.74 0.58 5.83	29.52 0.66 1.45	35.87 0.51 0.00	37.41 0.34 0.00	39.46 0.27 0.00	40.58 0.32 0.00	39.16 0.25 0.00	36.81 -0.03 0.00	34.25 0.22 0.00	36.32 0.41 0.00	34.49 -0.16 0.00	36.39 0.13 0.65	37.76 -0.34 1.18	35.99 -0.38 0.35	30.18 -0.12 2.06	29.30 0.39 0.99
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	38.39 0.91 0.00	32.85 0.85 0.00	32.18 0.79 0.00	31.07 0.71 0.00	34.32 0.87 0.00	39.50 1.22 -3.68	52.35 2.26 -12.49	61.59 2.57 -20.02	45.54 2.21 -7.34	31.87 1.56 0.00	37.25 1.89 0.00	39.33 2.25 0.00	41.65 2.46 0.00	42.85 2.59 0.00	41.54 2.63 0.00	39.58 2.74 0.00	37.06 3.03 0.00	39.25 3.34 0.00	37.75 3.09 0.00	39.82 2.91 0.00	42.13 2.85 0.00	39.36 2.65 0.00	34.51 2.15 0.00	31.60 1.70 0.00
MILLWOOD_13_KV_LOAD 356217	38.47 0.99 0.00	32.93 0.92 0.00	32.25 0.85 0.00	31.14 0.77 0.00	34.40 0.94 0.00	39.59 1.30 -3.68	52.46 2.37 -12.49	61.71 2.69 -20.02	45.65 2.32 -7.34	31.95 1.65 0.00	37.35 1.99 0.00	39.44 2.36 0.00	41.76 2.58 0.00	42.96 2.72 0.00	41.66 2.75 0.00	39.70 2.87 0.00	37.18 3.15 0.00	39.37 3.46 0.00	37.87 3.21 0.00	39.94 3.03 0.00	42.25 2.97 0.00	39.46 2.75 0.00	34.60 2.24 0.00	31.68 1.78 0.00
MODEL_CITY_ENERGY 24167	24.69 -0.88 11.91	28.84 -1.26 1.90	28.74 -0.86 1.80	27.38 -0.77 2.21	29.67 -0.78 3.01	29.55 -1.13 3.93	35.59 -1.36 0.65	39.02 -1.65 -1.67	28.37 -0.81 6.81	28.13 -0.49 1.69	34.55 -0.81 0.00	36.01 -1.06 0.00	38.01 -1.18 0.00	39.07 -1.18 0.00	37.67 -1.24 0.00	35.35 -1.48 0.00	32.86 -1.18 0.00	34.83 -1.08 0.00	33.02 -1.63 0.00	34.76 -1.39 0.76	35.99 -1.91 1.38	34.52 -1.79 0.40	28.70 -1.25 2.41	28.21 -0.53 1.16
MODERN_LFGE___ 323580	24.69 -0.88 11.91	28.84 -1.26 1.90	28.74 -0.86 1.80	27.38 -0.77 2.21	29.67 -0.78 3.01	29.55 -1.13 3.93	35.59 -1.36 0.65	39.02 -1.65 -1.67	28.37 -0.81 6.81	28.13 -0.49 1.69	34.55 -0.81 0.00	36.01 -1.06 0.00	38.01 -1.18 0.00	39.07 -1.18 0.00	37.67 -1.24 0.00	35.35 -1.48 0.00	32.86 -1.18 0.00	34.83 -1.08 0.00	33.02 -1.63 0.00	34.76 -1.39 0.76	35.99 -1.91 1.38	34.52 -1.79 0.40	28.70 -1.25 2.41	28.21 -0.53 1.16
MOHAWK_PAPER___DRP 24187	38.26 0.79 0.00	32.76 0.75 0.00	32.06 0.67 0.00	30.99 0.63 0.00	34.17 0.71 0.00	18.42 0.85 17.04	-19.06 1.10 57.77	-6.67 1.24 46.91	3.04 1.02 33.97	30.96 0.65 0.00	36.34 0.98 0.00	38.17 1.10 0.00	40.38 1.19 0.00	41.50 1.25 0.00	40.16 1.26 0.00	38.15 1.32 0.00	35.52 1.48 0.00	37.55 1.64 0.00	36.17 1.52 0.00	38.37 1.46 0.00	40.69 1.41 0.00	38.01 1.30 0.00	33.40 1.04 0.00	30.73 0.83 0.00
MOHICAN___35_KV_115KV_LD 80490	38.71 1.24 0.00	33.16 1.16 0.00	32.60 1.20 0.00	31.47 1.11 0.00	34.73 1.28 0.00	82.06 1.63 -45.83	195.88 2.92 -155.35	235.99 3.01 -193.97	130.07 2.74 -91.35	32.19 1.89 0.00	37.61 2.25 0.00	39.34 2.26 0.00	41.35 2.16 0.00	42.48 2.23 0.00	41.04 2.13 0.00	39.02 2.18 0.00	36.41 2.37 0.00	38.47 2.56 0.00	37.02 2.37 0.00	39.19 2.28 0.00	41.42 2.13 0.00	38.85 2.14 0.00	34.09 1.72 0.00	31.30 1.40 0.00
MONGAUP___HYD 23641	38.53 1.05 0.00	32.92 0.92 0.00	32.25 0.85 0.00	31.15 0.78 0.00	34.40 0.95 0.00	35.82 1.22 0.00	39.54 1.93 0.00	46.93 2.20 -5.73	37.78 1.79 0.00	31.76 1.45 0.00	36.97 1.61 0.00	38.94 1.87 0.00	41.31 2.12 0.00	42.53 2.28 0.00	41.00 2.10 0.00	38.78 1.95 0.00	36.18 2.15 0.00	38.41 2.50 0.00	37.14 2.48 0.00	39.12 2.21 0.00	41.71 2.43 0.00	39.08 2.37 0.00	34.38 2.02 0.00	31.59 1.69 0.00
MONTAUK___DIESEL 23721	41.26 3.78 0.00	35.04 3.03 0.00	34.43 3.04 0.00	33.24 2.87 0.00	36.87 3.41 0.00	47.68 4.27 -8.81	55.80 5.65 -12.54	65.11 6.02 -20.10	48.60 5.23 -7.38	34.21 3.90 0.00	39.95 4.59 0.00	42.24 5.17 0.00	44.73 5.54 0.00	46.00 5.75 0.00	44.65 5.74 0.00	43.00 6.16 0.00	40.53 6.49 0.00	42.88 6.97 0.00	41.00 6.34 0.00	43.28 6.37 0.00	45.73 6.45 0.00	42.64 5.93 0.00	37.32 4.96 0.00	34.07 4.16 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	38.26 0.78 0.00	32.07 0.06 0.00	32.02 0.63 0.00	30.93 0.57 0.00	34.27 0.81 0.00	35.37 0.77 0.00	38.68 1.07 0.00	41.72 0.91 -1.81	37.79 1.80 0.00	31.88 1.57 0.00	36.92 1.57 0.00	38.78 1.71 0.00	40.95 1.76 0.00	42.09 1.83 0.00	40.59 1.69 0.00	38.15 1.32 0.00	35.50 1.47 0.00	37.75 1.83 0.00	35.89 1.24 0.00	38.35 1.44 0.00	40.14 0.85 0.00	37.52 0.81 0.00	33.18 0.81 0.00	31.02 1.11 0.00
MORTIMER_115KV_TB3 55949	37.18 -0.29 0.00	31.46 -0.55 0.00	31.07 -0.32 0.00	30.07 -0.29 0.00	33.20 -0.26 0.00	34.21 -0.39 0.00	37.31 -0.30 0.00	39.92 -0.41 -1.32	36.10 0.11 0.00	30.52 0.21 0.00	35.47 0.11 0.00	37.09 0.01 0.00	39.16 -0.03 0.00	40.22 -0.03 0.00	38.82 -0.09 0.00	36.60 -0.24 0.00	34.02 -0.02 0.00	36.04 0.13 0.00	34.37 -0.28 0.00	36.79 -0.12 0.00	38.82 -0.47 0.00	36.22 -0.50 0.00	32.03 -0.33 0.00	29.85 -0.05 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	38.47 0.99 0.00	32.92 0.92 0.00	32.24 0.85 0.00	31.13 0.76 0.00	34.38 0.93 0.00	39.58 1.28 -3.70	52.53 2.38 -12.54	61.82 2.73 -20.09	45.72 2.35 -7.37	32.00 1.69 0.00	37.38 2.03 0.00	39.48 2.41 0.00	41.83 2.64 0.00	43.03 2.78 0.00	41.73 2.83 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.08 0.00	42.31 3.02 0.00	39.52 2.81 0.00	34.65 2.28 0.00	31.71 1.81 0.00
MUNSVILLE_WIND_PWR 323609	43.04 1.94 -3.63	34.11 1.52 -0.58	33.32 1.38 -0.55	32.46 1.42 -0.68	36.34 1.97 -0.92	38.26 2.46 -1.20	41.58 3.78 -0.20	46.61 4.21 -3.40	42.45 4.38 -2.08	34.56 3.73 -0.52	39.47 4.11 0.00	41.38 4.31 0.00	43.83 4.64 0.00	45.19 4.94 0.00	43.81 4.91 0.00	41.38 4.54 0.00	38.66 4.63 0.00	41.04 5.13 0.00	39.37 4.72 0.00	42.08 4.93 -0.23	44.56 4.85 -0.42	41.21 4.37 -0.12	36.63 3.54 -0.74	33.41 3.15 -0.36
N SALMON___HYD 24042	39.88 2.40 0.00	34.10 2.10 0.00	33.43 2.03 0.00	32.34 1.97 0.00	35.51 2.06 0.00	36.44 1.84 0.00	39.10 1.49 0.00	40.69 1.69 0.00	37.42 1.43 0.00	31.72 1.41 0.00	36.89 1.53 0.00	38.61 1.54 0.00	40.82 1.63 0.00	41.91 1.66 0.00	40.41 1.50 0.00	38.04 1.20 0.00	34.95 0.91 0.00	36.69 0.78 0.00	35.56 0.91 0.00	38.10 1.18 0.00	40.71 1.42 0.00	38.08 1.37 0.00	33.67 1.30 0.00	31.19 1.29 0.00



N.AKRON__115KV_KNAPP 355671	37.49 0.01 0.00	31.54 -0.46 0.00	31.32 -0.07 0.00	30.34 -0.03 0.00	33.49 0.04 0.00	34.42 -0.18 0.00	37.44 -0.17 0.00	40.14 -0.50 -1.63	36.34 0.35 0.00	30.76 0.45 0.00	35.66 0.30 0.00	37.18 0.11 0.00	39.24 0.05 0.00	40.34 0.09 0.00	38.91 0.01 0.00	36.56 -0.27 0.00	34.01 -0.03 0.00	36.06 0.15 0.00	34.21 -0.44 0.00	36.77 -0.14 0.00	38.65 -0.63 0.00	36.08 -0.63 0.00	32.06 -0.30 0.00	30.16 0.25 0.00
N.BELMOR_69_KV_BK1 55787	39.27 1.79 0.00	33.46 1.46 0.00	32.80 1.41 0.00	31.65 1.29 0.00	35.02 1.57 0.00	44.61 2.17 -7.83	53.39 3.24 -12.54	62.53 3.43 -20.10	46.33 2.96 -7.38	32.51 2.20 0.00	38.01 2.65 0.00	40.16 3.09 0.00	42.41 3.22 0.00	43.54 3.29 0.00	42.23 3.32 0.00	40.51 3.67 0.00	38.01 3.97 0.00	40.16 4.25 0.00	38.52 3.86 0.00	40.71 3.79 0.00	43.12 3.84 0.00	40.38 3.67 0.00	35.43 3.07 0.00	32.40 2.49 0.00
N.E_GEN_SANDY PD 24062	39.19 0.92 -0.80	32.22 0.94 0.72	32.22 0.83 0.00	31.14 0.77 0.00	34.24 0.85 0.07	57.38 1.07 -21.71	113.99 2.81 -73.58	120.70 3.03 -78.67	56.33 2.36 -17.99	31.91 1.60 0.00	41.76 2.19 -4.21	50.97 2.42 -11.48	57.35 2.66 -15.49	60.01 2.83 -16.93	50.60 2.82 -8.87	53.07 2.85 -13.38	44.14 3.00 -7.11	66.71 3.16 -27.63	56.10 2.98 -18.47	43.36 2.87 -3.58	43.91 3.01 -1.63	40.98 2.80 -1.46	40.49 2.34 -5.78	39.09 1.94 -7.24
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	38.17 0.70 0.00	32.67 0.67 0.00	31.99 0.60 0.00	30.91 0.54 0.00	34.17 0.72 0.00	39.04 1.07 -3.37	51.13 2.11 -11.41	59.96 2.38 -18.58	44.72 2.02 -6.71	31.64 1.33 0.00	36.92 1.56 0.00	39.02 1.94 0.00	41.34 2.15 0.00	42.50 2.25 0.00	41.20 2.29 0.00	39.23 2.39 0.00	36.74 2.71 0.00	38.91 3.00 0.00	37.43 2.78 0.00	39.48 2.56 0.00	41.77 2.49 0.00	39.02 2.31 0.00	34.22 1.85 0.00	31.35 1.44 0.00
N.QUEENS_27_KV_LOAD 356247	38.36 0.89 0.00	32.88 0.88 0.00	32.17 0.78 0.00	31.11 0.74 0.00	34.35 0.89 0.00	39.56 1.26 -3.70	52.55 2.40 -12.54	61.82 2.73 -20.09	45.68 2.31 -7.37	31.97 1.66 0.00	37.36 2.01 0.00	39.42 2.35 0.00	41.78 2.60 0.00	42.92 2.67 0.00	41.63 2.72 0.00	39.74 2.91 0.00	37.25 3.21 0.00	39.44 3.52 0.00	37.90 3.25 0.00	39.95 3.04 0.00	42.24 2.96 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.61 1.70 0.00
N.TROY___115KV_TB1 355778	38.52 1.04 0.00	32.99 0.98 0.00	32.30 0.91 0.00	31.21 0.85 0.00	34.42 0.96 0.00	134.52 1.11 -98.81	374.67 2.12 -334.95	430.88 2.27 -389.61	234.76 1.82 -196.95	31.48 1.17 0.00	36.96 1.61 0.00	38.77 1.69 0.00	41.03 1.84 0.00	42.19 1.94 0.00	40.82 1.91 0.00	38.76 1.92 0.00	35.99 1.95 0.00	37.99 2.08 0.00	36.61 1.95 0.00	38.81 1.90 0.00	41.30 2.02 0.00	38.61 1.90 0.00	33.91 1.55 0.00	31.20 1.29 0.00
NARROWS_GT1_1 24228	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_2 24229	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_3 24230	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_4 24231	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_5 24232	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_6 24233	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_7 24234	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT1_8 24235	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_1 24236	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00



NARROWS_GT2_2 24237	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_3 24238	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_4 24239	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_5 24240	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_6 24241	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_7 24242	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NARROWS_GT2_8 24243	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	39.10 1.63 0.00	33.43 1.43 0.00	32.74 1.35 0.00	31.65 1.28 0.00	34.91 1.46 0.00	26.85 1.62 9.36	7.84 1.98 31.75	17.64 2.18 23.55	19.13 1.81 18.67	31.57 1.26 0.00	37.06 1.70 0.00	38.87 1.79 0.00	41.07 1.88 0.00	42.15 1.90 0.00	40.87 1.96 0.00	38.82 1.99 0.00	36.13 2.09 0.00	38.28 2.37 0.00	36.90 2.25 0.00	39.23 2.31 0.00	41.61 2.32 0.00	38.79 2.08 0.00	34.05 1.68 0.00	31.34 1.43 0.00
NCHELSEA_115KV_TR2 355582	38.67 1.19 0.00	33.09 1.08 0.00	32.41 1.01 0.00	31.30 0.93 0.00	34.57 1.12 0.00	36.08 1.48 0.00	40.08 2.47 0.00	48.08 2.77 -6.31	38.42 2.43 0.00	32.07 1.76 0.00	37.50 2.14 0.00	39.57 2.49 0.00	41.94 2.75 0.00	43.12 2.87 0.00	41.81 2.90 0.00	39.82 2.98 0.00	37.29 3.25 0.00	39.52 3.61 0.00	38.01 3.36 0.00	40.15 3.24 0.00	42.45 3.17 0.00	39.62 2.91 0.00	34.73 2.36 0.00	31.82 1.91 0.00
NEG CAPITAL___MECHNVIL 23645	38.94 1.46 0.00	33.31 1.31 0.00	32.59 1.20 0.00	31.52 1.15 0.00	34.82 1.37 0.00	100.86 1.59 -64.66	259.34 2.54 -219.20	305.42 2.71 -263.70	167.26 2.38 -128.89	32.01 1.70 0.00	37.43 2.07 0.00	39.25 2.18 0.00	41.53 2.34 0.00	42.68 2.42 0.00	41.20 2.30 0.00	39.14 2.30 0.00	36.48 2.45 0.00	38.55 2.64 0.00	37.07 2.42 0.00	39.29 2.38 0.00	41.72 2.44 0.00	38.99 2.28 0.00	34.21 1.84 0.00	31.45 1.55 0.00
NEG CENTRAL_HIGH_ACRES 23767	31.94 -1.06 4.48	30.14 -1.15 0.71	29.75 -0.97 0.68	28.63 -0.91 0.83	31.40 -0.93 1.13	32.09 -1.03 1.48	36.43 -0.93 0.24	39.33 -0.96 -1.30	32.88 -0.55 2.56	29.29 -0.39 0.63	34.78 -0.58 0.00	36.41 -0.66 0.00	38.42 -0.77 0.00	39.47 -0.78 0.00	38.11 -0.79 0.00	35.99 -0.84 0.00	33.47 -0.57 0.00	35.45 -0.47 0.00	33.85 -0.80 0.00	35.88 -0.76 0.28	37.66 -1.10 0.52	35.46 -1.11 0.15	30.53 -0.92 0.91	28.80 -0.67 0.44
NEG CENTRAL___DRP 24199	37.33 -0.15 0.00	31.72 -0.28 0.00	31.20 -0.19 0.00	30.22 -0.15 0.00	33.39 -0.06 0.00	34.60 -0.01 0.00	37.99 0.38 0.00	40.66 0.30 -1.36	36.64 0.65 0.00	30.83 0.52 0.00	35.79 0.43 0.00	37.71 0.64 0.00	39.70 0.51 0.00	40.79 0.53 0.00	39.45 0.54 0.00	37.34 0.51 0.00	34.74 0.70 0.00	36.83 0.91 0.00	35.30 0.65 0.00	37.56 0.64 0.00	39.64 0.36 0.00	37.04 0.33 0.00	32.59 0.23 0.00	30.18 0.28 0.00
NEG CENTRAL___INDECK 23768	38.48 1.01 0.00	32.48 0.47 0.00	32.13 0.74 0.00	31.15 0.78 0.00	34.46 1.00 0.00	35.60 1.00 0.00	39.07 1.46 0.00	42.43 1.58 -1.84	38.10 2.11 0.00	32.19 1.88 0.00	37.29 1.94 0.00	39.03 1.95 0.00	41.20 2.01 0.00	42.27 2.02 0.00	40.85 1.95 0.00	38.53 1.70 0.00	35.94 1.90 0.00	38.16 2.25 0.00	36.41 1.75 0.00	38.91 1.99 0.00	40.90 1.62 0.00	38.13 1.42 0.00	33.60 1.24 0.00	31.29 1.39 0.00
NEG CENTRAL___SENECA 23627	37.50 0.03 0.00	31.84 -0.17 0.00	31.37 -0.02 0.00	30.39 0.02 0.00	33.59 0.14 0.00	34.79 0.19 0.00	38.22 0.62 0.00	41.14 0.51 -1.63	36.95 0.97 0.00	31.13 0.82 0.00	36.04 0.68 0.00	38.01 0.93 0.00	39.96 0.77 0.00	41.06 0.81 0.00	39.71 0.80 0.00	37.57 0.74 0.00	34.98 0.95 0.00	37.10 1.19 0.00	35.53 0.88 0.00	37.82 0.90 0.00	39.84 0.56 0.00	37.27 0.56 0.00	32.81 0.45 0.00	30.41 0.50 0.00
NEG CENTRAL___STATE_STREET 24147	37.47 -0.01 0.00	31.87 -0.13 0.00	31.24 -0.15 0.00	30.25 -0.12 0.00	33.47 0.02 0.00	34.72 0.12 0.00	38.12 0.52 0.00	40.78 0.44 -1.34	36.62 0.63 0.00	30.75 0.45 0.00	35.80 0.44 0.00	37.73 0.65 0.00	39.66 0.47 0.00	40.72 0.47 0.00	39.38 0.48 0.00	37.29 0.45 0.00	34.65 0.61 0.00	36.68 0.77 0.00	35.21 0.56 0.00	37.47 0.56 0.00	39.61 0.33 0.00	36.98 0.27 0.00	32.53 0.16 0.00	30.09 0.19 0.00



NEG MILLWOOD___DRP 24198	38.80 1.33 0.00	33.20 1.20 0.00	32.51 1.11 0.00	31.40 1.03 0.00	34.69 1.24 0.00	39.78 1.60 -3.57	52.39 2.67 -12.11	61.71 3.00 -19.71	45.76 2.64 -7.13	32.25 1.94 0.00	37.71 2.36 0.00	39.78 2.71 0.00	42.16 2.97 0.00	43.36 3.11 0.00	42.04 3.13 0.00	40.04 3.21 0.00	37.52 3.48 0.00	39.78 3.87 0.00	38.27 3.62 0.00	40.40 3.49 0.00	42.71 3.43 0.00	39.86 3.15 0.00	34.92 2.56 0.00	31.97 2.07 0.00
NEG NORTH_FLCN_SEA 23793	40.28 2.81 0.00	34.45 2.45 0.00	33.75 2.35 0.00	32.62 2.25 0.00	35.75 2.30 0.00	36.62 2.02 0.00	39.17 1.56 0.00	40.83 1.83 0.00	37.39 1.40 0.00	31.66 1.35 0.00	36.62 1.26 0.00	38.44 1.36 0.00	40.63 1.44 0.00	41.68 1.43 0.00	40.17 1.26 0.00	38.04 1.21 0.00	34.99 0.95 0.00	36.78 0.87 0.00	35.51 0.86 0.00	38.04 1.13 0.00	40.56 1.28 0.00	37.81 1.10 0.00	33.38 1.01 0.00	31.01 1.10 0.00
NEG NORTH_KES_CHATEGAY 23792	39.77 2.29 0.00	33.99 1.99 0.00	33.31 1.92 0.00	32.22 1.85 0.00	35.35 1.90 0.00	36.30 1.70 0.00	38.86 1.25 0.00	40.48 1.49 0.00	37.15 1.16 0.00	31.49 1.18 0.00	36.53 1.18 0.00	38.27 1.20 0.00	40.46 1.27 0.00	41.53 1.27 0.00	40.04 1.13 0.00	37.83 1.00 0.00	34.76 0.73 0.00	36.56 0.64 0.00	35.34 0.69 0.00	37.85 0.93 0.00	40.42 1.13 0.00	37.74 1.02 0.00	33.36 1.00 0.00	30.93 1.03 0.00
NEG NORTH___ALICE_FALLS 23915	40.36 2.88 0.00	34.50 2.50 0.00	33.80 2.41 0.00	32.68 2.31 0.00	35.85 2.39 0.00	36.78 2.18 0.00	39.41 1.81 0.00	41.11 2.10 0.00	37.65 1.67 0.00	31.91 1.60 0.00	36.93 1.57 0.00	38.74 1.66 0.00	40.95 1.76 0.00	42.04 1.78 0.00	40.49 1.58 0.00	38.32 1.49 0.00	35.28 1.24 0.00	37.12 1.21 0.00	35.86 1.20 0.00	38.41 1.49 0.00	40.94 1.65 0.00	38.16 1.45 0.00	33.68 1.32 0.00	31.24 1.34 0.00
NEG NORTH___LWR_SARANAC 23913	40.36 2.88 0.00	34.50 2.50 0.00	33.80 2.41 0.00	32.68 2.31 0.00	35.85 2.39 0.00	36.78 2.18 0.00	39.41 1.81 0.00	41.11 2.10 0.00	37.65 1.67 0.00	31.91 1.60 0.00	36.93 1.57 0.00	38.74 1.66 0.00	40.95 1.76 0.00	42.04 1.78 0.00	40.49 1.58 0.00	38.32 1.49 0.00	35.28 1.24 0.00	37.12 1.21 0.00	35.86 1.20 0.00	38.41 1.49 0.00	40.94 1.65 0.00	38.16 1.45 0.00	33.68 1.32 0.00	31.24 1.34 0.00
NEG NORTH___PLATTSBURG 23628	40.36 2.89 0.00	34.50 2.50 0.00	33.80 2.41 0.00	32.68 2.31 0.00	35.85 2.39 0.00	36.78 2.18 0.00	39.46 1.85 0.00	41.12 2.11 0.00	37.68 1.70 0.00	31.90 1.60 0.00	36.93 1.57 0.00	38.74 1.66 0.00	40.95 1.76 0.00	42.04 1.78 0.00	40.49 1.58 0.00	38.32 1.49 0.00	35.27 1.24 0.00	37.13 1.21 0.00	35.86 1.20 0.00	38.41 1.49 0.00	40.93 1.65 0.00	38.16 1.45 0.00	33.68 1.32 0.00	31.25 1.34 0.00
NEG WEST_LEA_LOCKPORT 23791	37.02 -0.45 0.00	31.14 -0.87 0.00	30.94 -0.46 0.00	29.96 -0.41 0.00	33.07 -0.39 0.00	33.93 -0.67 0.00	36.78 -0.82 0.00	39.42 -1.25 -1.66	35.68 -0.31 0.00	30.22 -0.09 0.00	35.02 -0.34 0.00	36.52 -0.55 0.00	38.56 -0.64 0.00	39.63 -0.63 0.00	38.21 -0.70 0.00	35.87 -0.96 0.00	33.33 -0.70 0.00	35.33 -0.58 0.00	33.51 -1.14 0.00	36.06 -0.86 0.00	37.91 -1.37 0.00	35.43 -1.29 0.00	31.54 -0.83 0.00	29.74 -0.16 0.00
NEG WEST___LANCASTR 23811	38.81 1.33 0.00	32.73 0.72 0.00	32.52 1.12 0.00	31.40 1.03 0.00	34.71 1.25 0.00	35.62 1.02 0.00	38.63 1.03 0.00	41.61 0.81 -1.80	37.74 1.76 0.00	31.82 1.51 0.00	36.76 1.40 0.00	38.52 1.45 0.00	40.71 1.53 0.00	41.81 1.56 0.00	40.34 1.43 0.00	37.91 1.07 0.00	35.23 1.19 0.00	37.40 1.49 0.00	35.55 0.89 0.00	38.21 1.29 0.00	40.17 0.88 0.00	37.54 0.83 0.00	33.35 0.99 0.00	31.23 1.33 0.00
NEG_PENN_ALLEGHNY 23528	42.71 -0.04 -5.27	32.68 -0.16 -0.84	32.12 -0.07 -0.80	31.28 -0.07 -0.98	34.80 0.01 -1.33	36.44 0.10 -1.74	38.38 0.48 -0.29	42.59 0.55 -3.04	39.74 0.74 -3.02	31.60 0.55 -0.75	35.95 0.59 0.00	37.80 0.73 0.00	39.95 0.76 0.00	41.04 0.79 0.00	39.71 0.80 0.00	37.61 0.78 0.00	34.98 0.94 0.00	37.07 1.16 0.00	35.60 0.95 0.00	38.17 0.92 -0.33	40.58 0.69 -0.61	37.53 0.64 -0.18	33.89 0.46 -1.07	30.84 0.42 -0.51
NEG___GEN_MONROE 24207	37.55 0.07 0.00	31.91 -0.09 0.00	31.54 0.15 0.00	30.55 0.18 0.00	33.77 0.32 0.00	34.75 0.14 0.00	37.83 0.22 0.00	40.30 -0.03 -1.33	36.56 0.57 0.00	30.90 0.59 0.00	35.90 0.54 0.00	37.53 0.45 0.00	39.54 0.36 0.00	40.60 0.35 0.00	39.21 0.30 0.00	36.94 0.10 0.00	34.35 0.31 0.00	36.42 0.51 0.00	34.71 0.06 0.00	37.17 0.25 0.00	39.23 -0.06 0.00	36.54 -0.17 0.00	32.40 0.04 0.00	30.30 0.39 0.00
NEPA___ENERGY 23901	37.29 -0.19 0.00	31.37 -0.63 0.00	31.24 -0.15 0.00	30.20 -0.16 0.00	33.38 -0.08 0.00	34.39 -0.21 0.00	37.63 0.02 0.00	40.56 -0.27 -1.84	36.61 0.62 0.00	30.79 0.48 0.00	35.72 0.36 0.00	37.62 0.55 0.00	39.75 0.56 0.00	40.78 0.52 0.00	39.39 0.49 0.00	37.04 0.21 0.00	34.45 0.42 0.00	36.59 0.68 0.00	34.85 0.19 0.00	37.18 0.26 0.00	38.94 -0.34 0.00	36.54 -0.17 0.00	32.23 -0.13 0.00	30.16 0.26 0.00
NEVERSink___HYD 23608	38.42 0.94 0.00	32.83 0.82 0.00	32.16 0.77 0.00	31.08 0.71 0.00	34.36 0.90 0.00	35.90 1.29 0.00	39.77 2.16 0.00	47.57 2.47 -6.10	38.12 2.14 0.00	31.86 1.55 0.00	37.13 1.77 0.00	39.09 2.02 0.00	41.45 2.27 0.00	42.68 2.43 0.00	41.42 2.51 0.00	39.39 2.55 0.00	36.90 2.86 0.00	39.16 3.25 0.00	37.71 3.06 0.00	39.84 2.93 0.00	42.11 2.83 0.00	39.29 2.58 0.00	34.40 2.04 0.00	31.54 1.63 0.00
NEWKRMKL_115KV_TB1 55635	37.84 0.37 0.00	32.39 0.39 0.00	31.71 0.32 0.00	30.65 0.28 0.00	33.79 0.33 0.00	20.89 0.48 14.19	-9.79 0.72 48.12	2.72 0.86 37.14	8.32 0.63 28.29	30.59 0.29 0.00	35.90 0.55 0.00	37.73 0.65 0.00	39.91 0.72 0.00	41.00 0.75 0.00	39.70 0.79 0.00	37.72 0.88 0.00	35.13 1.10 0.00	37.15 1.24 0.00	35.79 1.14 0.00	37.96 1.04 0.00	40.24 0.96 0.00	37.59 0.87 0.00	33.05 0.69 0.00	30.43 0.52 0.00
NEWTON___FALLS_HYD 23847	37.88 0.41 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.45 0.00	34.88 0.27 0.00	37.70 0.10 0.00	39.16 0.16 0.00	36.12 0.14 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.81 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
NGRID_A1_DSASP 323792	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23



NGRID_A2_DSASP 323793	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23
NGRID_A4_DSASP 323807	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23
NIAGARA_115E_LBMP 323715	24.09 -1.12 12.26	28.59 -1.46 1.96	28.49 -1.05 1.85	27.12 -0.96 2.28	29.36 -0.99 3.10	29.20 -1.36 4.04	35.30 -1.64 0.67	38.74 -1.94 -1.68	27.88 -1.09 7.02	27.85 -0.72 1.74	34.29 -1.07 0.00	35.73 -1.34 0.00	37.72 -1.47 0.00	38.76 -1.49 0.00	37.37 -1.54 0.00	35.08 -1.75 0.00	32.59 -1.45 0.00	34.54 -1.37 0.00	32.74 -1.91 0.00	34.46 -1.68 0.78	35.64 -2.22 1.43	34.23 -2.07 0.42	28.40 -1.48 2.49	27.99 -0.72 1.20
NIAGARA_115W_LBMP 323714	23.77 -1.16 12.55	28.47 -1.53 2.00	28.38 -1.11 1.90	26.97 -1.07 2.33	29.23 -1.05 3.17	29.20 -1.26 4.14	35.19 -1.73 0.68	38.50 -2.19 -1.68	27.57 -1.24 7.18	27.62 -0.90 1.78	34.00 -1.35 0.00	35.43 -1.64 0.00	37.41 -1.78 0.00	38.45 -1.80 0.00	37.05 -1.86 0.00	34.77 -2.06 0.00	32.29 -1.75 0.00	34.21 -1.70 0.00	32.43 -2.23 0.00	34.15 -1.97 0.80	35.33 -2.50 1.46	33.94 -2.35 0.43	28.11 -1.71 2.54	27.90 -0.79 1.23
NIAGARA_230_LBMP 323716	24.13 -0.80 12.54	28.84 -1.16 2.00	28.74 -0.76 1.90	27.31 -0.73 2.33	29.58 -0.71 3.17	29.42 -1.04 4.14	35.57 -1.35 0.68	39.01 -1.66 -1.67	28.00 -0.82 7.17	28.02 -0.50 1.78	34.49 -0.87 0.00	35.96 -1.11 0.00	37.96 -1.22 0.00	39.02 -1.23 0.00	37.62 -1.29 0.00	35.31 -1.53 0.00	32.78 -1.25 0.00	34.74 -1.17 0.00	32.95 -1.71 0.00	34.68 -1.44 0.80	35.91 -1.92 1.46	34.49 -1.80 0.43	28.58 -1.25 2.54	28.14 -0.54 1.22
NIAGARA__115KV_198_GIBSON 55903	36.29 -1.18 0.00	30.47 -1.53 0.00	30.28 -1.11 0.00	29.30 -1.07 0.00	32.38 -1.08 0.00	33.34 -1.27 0.00	35.98 -1.62 0.00	38.42 -2.27 -1.68	34.77 -1.22 0.00	29.38 -0.92 0.00	34.00 -1.35 0.00	35.43 -1.64 0.00	37.41 -1.78 0.00	38.45 -1.85 0.00	37.06 -1.85 0.00	34.78 -2.06 0.00	32.29 -1.75 0.00	34.21 -1.70 0.00	32.41 -2.24 0.00	34.94 -1.97 0.00	36.78 -2.51 0.00	34.36 -2.35 0.00	30.66 -1.70 0.00	29.12 -0.79 0.00
NIAGARA____ 23760	24.29 -0.80 12.38	28.87 -1.16 1.98	28.76 -0.76 1.88	27.33 -0.73 2.31	29.61 -0.71 3.14	29.47 -1.04 4.09	35.58 -1.35 0.68	39.02 -1.66 -1.68	28.05 -0.82 7.12	28.03 -0.50 1.77	34.49 -0.87 0.00	35.96 -1.11 0.00	37.96 -1.22 0.00	39.02 -1.23 0.00	37.62 -1.29 0.00	35.31 -1.53 0.00	32.78 -1.25 0.00	34.74 -1.17 0.00	32.95 -1.71 0.00	34.69 -1.44 0.79	35.91 -1.92 1.45	34.49 -1.80 0.42	28.59 -1.25 2.52	28.16 -0.54 1.21
NINE_MILE_1 23575	36.12 -1.35 0.00	30.79 -1.22 0.00	30.23 -1.16 0.00	29.25 -1.12 0.00	32.23 -1.22 0.00	33.31 -1.30 0.00	36.35 -1.25 0.00	38.55 -1.29 -0.84	34.89 -1.10 0.00	29.37 -0.93 0.00	34.24 -1.12 0.00	35.92 -1.16 0.00	37.93 -1.26 0.00	38.95 -1.30 0.00	37.64 -1.27 0.00	35.65 -1.19 0.00	33.06 -0.98 0.00	34.95 -0.97 0.00	33.63 -1.02 0.00	35.80 -1.12 0.00	37.96 -1.32 0.00	35.45 -1.26 0.00	31.23 -1.13 0.00	28.89 -1.01 0.00
NINE_MILE_2 23744	36.12 -1.35 0.00	30.79 -1.21 0.00	30.23 -1.16 0.00	29.25 -1.12 0.00	32.23 -1.22 0.00	33.31 -1.30 0.00	36.35 -1.25 0.00	38.55 -1.29 -0.83	34.89 -1.10 0.00	29.37 -0.93 0.00	34.24 -1.12 0.00	35.92 -1.16 0.00	37.93 -1.26 0.00	38.95 -1.30 0.00	37.64 -1.27 0.00	35.65 -1.19 0.00	33.06 -0.98 0.00	34.95 -0.97 0.00	33.63 -1.02 0.00	35.80 -1.12 0.00	37.96 -1.32 0.00	35.46 -1.26 0.00	31.23 -1.13 0.00	28.89 -1.01 0.00
NM_CAPITAL____DRP 24208	37.96 0.48 0.00	32.50 0.49 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.89 0.44 0.00	16.23 0.56 18.94	-25.82 0.77 64.20	-15.16 0.89 55.06	-1.10 0.66 37.75	30.63 0.32 0.00	35.96 0.61 0.00	37.78 0.71 0.00	39.97 0.78 0.00	41.07 0.82 0.00	39.77 0.86 0.00	37.78 0.94 0.00	35.17 1.13 0.00	37.19 1.27 0.00	35.83 1.17 0.00	38.00 1.09 0.00	40.30 1.01 0.00	37.65 0.93 0.00	33.11 0.75 0.00	30.48 0.57 0.00
NM_CENTRAL____DRP 24181	36.77 -0.71 0.00	31.32 -0.69 0.00	30.76 -0.64 0.00	29.77 -0.60 0.00	32.83 -0.62 0.00	33.97 -0.64 0.00	37.13 -0.48 0.00	39.59 -0.48 -1.06	35.71 -0.28 0.00	30.06 -0.25 0.00	35.02 -0.33 0.00	36.75 -0.32 0.00	38.81 -0.38 0.00	39.86 -0.39 0.00	38.54 -0.36 0.00	36.52 -0.32 0.00	33.91 -0.12 0.00	35.87 -0.04 0.00	34.47 -0.19 0.00	36.68 -0.24 0.00	38.83 -0.46 0.00	36.24 -0.47 0.00	31.88 -0.48 0.00	29.47 -0.43 0.00
NM_FRONTIER____DRP 24179	36.29 -1.18 0.00	30.47 -1.53 0.00	30.28 -1.11 0.00	29.30 -1.07 0.00	32.38 -1.08 0.00	33.34 -1.27 0.00	35.98 -1.62 0.00	38.42 -2.27 -1.68	34.77 -1.22 0.00	29.38 -0.92 0.00	34.00 -1.35 0.00	35.43 -1.64 0.00	37.41 -1.78 0.00	38.45 -1.80 0.00	37.06 -1.85 0.00	34.78 -2.06 0.00	32.29 -1.75 0.00	34.21 -1.70 0.00	32.41 -2.24 0.00	34.94 -1.97 0.00	36.78 -2.51 0.00	34.36 -2.35 0.00	30.66 -1.70 0.00	29.12 -0.79 0.00
NM_ST_REGIS____HYD 24053	38.93 1.45 0.00	33.39 1.38 0.00	32.74 1.35 0.00	31.70 1.33 0.00	34.83 1.37 0.00	35.61 1.01 0.00	38.08 0.47 0.00	39.56 0.56 0.00	36.39 0.40 0.00	30.89 0.58 0.00	36.12 0.76 0.00	37.75 0.68 0.00	39.91 0.73 0.00	41.03 0.78 0.00	39.52 0.62 0.00	36.94 0.11 0.00	33.79 -0.25 0.00	35.27 -0.64 0.00	34.43 -0.23 0.00	36.91 0.00 0.00	39.60 0.31 0.00	37.28 0.57 0.00	33.05 0.69 0.00	30.62 0.71 0.00
NORTHPORT____1 23551	39.53 2.06 0.00	33.65 1.64 0.00	33.06 1.67 0.00	31.88 1.52 0.00	35.30 1.85 0.00	45.95 2.49 -8.85	53.57 3.43 -12.54	62.68 3.59 -20.10	46.42 3.05 -7.38	32.66 2.35 0.00	38.13 2.77 0.00	40.28 3.20 0.00	42.33 3.14 0.00	43.47 3.22 0.00	42.12 3.22 0.00	40.53 3.69 0.00	38.07 4.03 0.00	40.13 4.22 0.00	38.39 3.73 0.00	40.54 3.62 0.00	42.99 3.70 0.00	40.39 3.68 0.00	35.53 3.17 0.00	32.56 2.66 0.00
NORTHPORT____2 23552	39.53 2.06 0.00	33.65 1.64 0.00	33.06 1.67 0.00	31.88 1.52 0.00	35.30 1.85 0.00	45.95 2.49 -8.85	53.57 3.43 -12.54	62.68 3.59 -20.10	46.42 3.05 -7.38	32.66 2.35 0.00	38.13 2.77 0.00	40.28 3.20 0.00	42.33 3.14 0.00	43.47 3.22 0.00	42.12 3.22 0.00	40.53 3.69 0.00	38.07 4.03 0.00	40.13 4.22 0.00	38.39 3.73 0.00	40.54 3.62 0.00	42.99 3.70 0.00	40.39 3.68 0.00	35.53 3.17 0.00	32.56 2.66 0.00



NORTHPORT___3 23553	39.35 1.87 0.00	33.51 1.51 0.00	32.90 1.50 0.00	31.74 1.37 0.00	35.08 1.63 0.00	45.72 2.28 -8.83	53.45 3.31 -12.54	62.59 3.49 -20.10	46.32 2.96 -7.38	32.50 2.19 0.00	37.94 2.58 0.00	39.99 2.92 0.00	42.09 2.91 0.00	43.17 2.92 0.00	41.86 2.96 0.00	40.18 3.35 0.00	37.74 3.70 0.00	39.82 3.90 0.00	38.13 3.48 0.00	40.28 3.37 0.00	42.71 3.42 0.00	40.13 3.42 0.00	35.34 2.98 0.00	32.38 2.47 0.00
NORTHPORT___4 23650	39.35 1.87 0.00	33.51 1.51 0.00	32.90 1.50 0.00	31.74 1.37 0.00	35.08 1.63 0.00	45.72 2.28 -8.83	53.45 3.31 -12.54	62.59 3.49 -20.10	46.32 2.96 -7.38	32.50 2.19 0.00	37.94 2.58 0.00	39.99 2.92 0.00	42.09 2.91 0.00	43.17 2.92 0.00	41.86 2.96 0.00	40.18 3.35 0.00	37.74 3.70 0.00	39.82 3.90 0.00	38.13 3.48 0.00	40.28 3.37 0.00	42.71 3.42 0.00	40.13 3.42 0.00	35.34 2.98 0.00	32.38 2.47 0.00
NORTHPORT___IC 23718	39.53 2.06 0.00	33.65 1.64 0.00	33.06 1.67 0.00	31.88 1.52 0.00	35.30 1.85 0.00	45.95 2.49 -8.85	53.57 3.43 -12.54	62.68 3.59 -20.10	46.42 3.05 -7.38	32.66 2.35 0.00	38.13 2.77 0.00	40.28 3.20 0.00	42.33 3.14 0.00	43.47 3.22 0.00	42.12 3.22 0.00	40.53 3.69 0.00	38.07 4.03 0.00	40.13 4.22 0.00	38.39 3.73 0.00	40.54 3.62 0.00	42.99 3.70 0.00	40.39 3.68 0.00	35.53 3.17 0.00	32.56 2.66 0.00
NORTH___COUNTRY_ESR 323785	39.60 2.13 0.00	33.86 1.85 0.00	33.17 1.78 0.00	32.09 1.73 0.00	35.22 1.76 0.00	36.16 1.56 0.00	38.75 1.14 0.00	40.30 1.30 0.00	37.01 1.03 0.00	31.35 1.05 0.00	36.38 1.02 0.00	38.10 1.03 0.00	40.29 1.10 0.00	41.36 1.11 0.00	39.87 0.96 0.00	37.66 0.82 0.00	34.59 0.56 0.00	36.35 0.44 0.00	35.15 0.49 0.00	37.65 0.74 0.00	40.22 0.93 0.00	37.56 0.85 0.00	33.20 0.84 0.00	30.80 0.90 0.00
NPX_GEN_1385_PROXY 323591	40.09 2.61 0.00	33.97 1.97 0.00	33.70 2.30 0.00	32.45 2.08 0.00	35.94 2.48 0.00	46.95 3.49 -8.85	54.09 3.94 -12.54	63.26 4.16 -20.10	46.83 3.47 -7.38	33.07 2.76 0.00	38.30 2.94 0.00	40.80 3.73 0.00	42.86 3.68 0.00	50.28 3.82 -6.21	65.46 3.81 -22.74	65.63 4.25 -24.54	38.59 4.55 0.00	40.68 4.77 0.00	38.89 4.24 0.00	41.08 4.17 0.00	43.58 4.30 0.00	40.94 4.23 0.00	36.02 3.66 0.00	33.01 3.11 0.00
NPX_GEN_CSC 323557	40.22 2.75 0.00	34.18 2.18 0.00	33.57 2.18 0.00	32.38 2.01 0.00	35.88 2.42 0.00	46.57 3.15 -8.81	54.52 4.38 -12.54	63.75 4.65 -20.10	47.36 3.99 -7.38	33.26 2.95 0.00	38.81 3.45 0.00	41.02 3.95 0.00	43.39 4.20 0.00	44.61 4.36 0.00	43.28 4.37 0.00	46.91 4.84 -5.23	39.21 5.17 0.00	41.46 5.55 0.00	39.67 5.02 0.00	41.88 4.97 0.00	44.33 5.05 0.00	41.56 4.85 0.00	36.42 4.06 0.00	33.27 3.36 0.00
NSINS_S_GLNS_FALLS 23858	38.63 1.15 0.00	33.09 1.09 0.00	32.52 1.13 0.00	31.41 1.04 0.00	34.66 1.21 0.00	79.86 1.56 -43.70	188.53 2.79 -148.14	227.98 2.89 -186.09	125.71 2.62 -87.10	32.12 1.81 0.00	37.52 2.17 0.00	39.22 2.14 0.00	41.20 2.01 0.00	42.33 2.08 0.00	40.90 1.99 0.00	38.87 2.03 0.00	36.29 2.26 0.00	38.34 2.43 0.00	36.90 2.25 0.00	39.05 2.14 0.00	41.29 2.01 0.00	38.74 2.03 0.00	33.99 1.62 0.00	31.23 1.33 0.00
NUCOR_STEEL___DRP 24197	37.42 -0.05 0.00	31.84 -0.16 0.00	31.20 -0.19 0.00	30.21 -0.16 0.00	33.42 -0.04 0.00	34.68 0.08 0.00	38.07 0.47 0.00	40.70 0.39 -1.31	36.55 0.57 0.00	30.64 0.34 0.00	35.66 0.30 0.00	37.59 0.52 0.00	39.53 0.34 0.00	40.58 0.33 0.00	39.25 0.34 0.00	37.18 0.34 0.00	34.56 0.53 0.00	36.58 0.67 0.00	35.13 0.47 0.00	37.38 0.47 0.00	39.53 0.24 0.00	36.90 0.18 0.00	32.46 0.10 0.00	30.02 0.11 0.00
NUMBER_THREE_WT_PWR 323818	37.95 0.47 0.00	32.34 0.34 0.00	31.74 0.35 0.00	30.74 0.38 0.00	33.93 0.48 0.00	35.15 0.55 0.00	38.43 0.83 0.00	39.94 0.94 0.00	36.96 0.97 0.00	31.19 0.88 0.00	36.38 1.02 0.00	38.12 1.05 0.00	40.21 1.02 0.00	41.29 1.04 0.00	39.92 1.01 0.00	37.66 0.83 0.00	34.92 0.88 0.00	36.79 0.88 0.00	35.50 0.85 0.00	37.83 0.92 0.00	40.23 0.95 0.00	37.58 0.87 0.00	33.03 0.67 0.00	30.43 0.52 0.00
NYISO_LBMP_REFERENCE 24008	37.48 0.00 0.00	32.00 0.00 0.00	31.39 0.00 0.00	30.37 0.00 0.00	33.45 0.00 0.00	34.60 0.00 0.00	37.60 0.00 0.00	39.00 0.00 0.00	35.99 0.00 0.00	30.31 0.00 0.00	35.36 0.00 0.00	37.07 0.00 0.00	39.19 0.00 0.00	40.25 0.00 0.00	38.91 0.00 0.00	36.84 0.00 0.00	34.04 0.00 0.00	35.91 0.00 0.00	34.65 0.00 0.00	36.92 0.00 0.00	39.28 0.00 0.00	36.71 0.00 0.00	32.36 0.00 0.00	29.91 0.00 0.00
NYPA_BRENTWD____GT 24164	39.94 2.47 0.00	33.98 1.98 0.00	33.38 1.99 0.00	32.19 1.83 0.00	35.63 2.18 0.00	46.23 2.86 -8.77	54.10 3.96 -12.54	63.29 4.19 -20.10	46.98 3.62 -7.38	33.06 2.75 0.00	38.59 3.24 0.00	40.79 3.71 0.00	42.94 3.76 0.00	44.13 3.88 0.00	42.78 3.87 0.00	41.16 4.33 0.00	38.70 4.66 0.00	40.84 4.93 0.00	39.11 4.46 0.00	41.28 4.37 0.00	43.75 4.47 0.00	41.04 4.32 0.00	36.03 3.67 0.00	32.97 3.06 0.00
NYPA_GOWANUS____GT5 24156	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NYPA_GOWANUS____GT6 24157	38.56 1.08 0.00	33.01 1.00 0.00	32.32 0.93 0.00	31.18 0.81 0.00	34.41 0.96 0.00	39.66 1.36 -3.70	52.61 2.46 -12.54	61.94 2.84 -20.09	45.78 2.42 -7.37	32.04 1.74 0.00	37.42 2.06 0.00	39.59 2.51 0.00	41.94 2.76 0.00	43.12 2.87 0.00	41.84 2.94 0.00	39.90 3.06 0.00	37.38 3.35 0.00	39.59 3.68 0.00	38.11 3.45 0.00	40.16 3.24 0.00	42.49 3.20 0.00	39.71 3.00 0.00	34.80 2.44 0.00	31.82 1.91 0.00
NYPA_HARLEM__RVR__GT1 24160	38.34 0.86 0.00	32.85 0.84 0.00	32.17 0.78 0.00	31.10 0.74 0.01	34.33 0.88 0.00	39.56 1.26 -3.70	52.50 2.35 -12.54	61.77 2.67 -20.09	45.61 2.25 -7.37	31.92 1.61 0.00	37.31 1.96 0.00	39.37 2.30 0.00	41.74 2.55 0.00	42.87 2.62 0.00	41.58 2.67 0.00	39.69 2.86 0.00	37.20 3.16 0.00	39.39 3.48 0.00	37.86 3.20 0.00	39.90 2.98 0.00	42.20 2.92 0.00	39.43 2.71 0.00	34.56 2.20 0.00	31.58 1.67 0.00
NYPA_HARLEM__RVR__GT2 24161	38.34 0.86 0.00	32.85 0.84 0.00	32.17 0.78 0.00	31.10 0.74 0.01	34.33 0.88 0.00	39.56 1.26 -3.70	52.50 2.35 -12.54	61.77 2.67 -20.09	45.61 2.25 -7.37	31.92 1.61 0.00	37.31 1.96 0.00	39.37 2.30 0.00	41.74 2.55 0.00	42.87 2.62 0.00	41.58 2.67 0.00	39.69 2.86 0.00	37.20 3.16 0.00	39.39 3.48 0.00	37.86 3.20 0.00	39.90 2.98 0.00	42.20 2.92 0.00	39.43 2.71 0.00	34.56 2.20 0.00	31.58 1.67 0.00



NYPA_KENT____GT 24152	38.52 1.04 0.00	32.98 0.97 0.00	32.29 0.89 0.00	31.15 0.79 0.00	34.40 0.95 0.00	39.64 1.33 -3.70	52.57 2.43 -12.54	61.90 2.81 -20.09	45.77 2.41 -7.37	32.04 1.74 0.00	37.43 2.07 0.00	39.57 2.50 0.00	41.93 2.74 0.00	43.14 2.89 0.00	41.85 2.95 0.00	39.90 3.07 0.00	37.38 3.34 0.00	39.58 3.67 0.00	38.08 3.43 0.00	40.13 3.22 0.00	42.45 3.17 0.00	39.67 2.96 0.00	34.76 2.39 0.00	31.78 1.88 0.00
NYPA_POUCH1____GT 24155	38.51 1.04 0.00	32.94 0.93 0.00	32.25 0.86 0.00	31.14 0.77 0.00	34.39 0.93 0.00	39.65 1.34 -3.70	52.56 2.42 -12.54	61.89 2.80 -20.09	45.72 2.36 -7.37	31.97 1.66 0.00	37.30 1.94 0.00	39.48 2.40 0.00	41.84 2.65 0.00	42.99 2.75 0.00	41.74 2.83 0.00	39.78 2.94 0.00	37.28 3.24 0.00	39.47 3.56 0.00	38.00 3.35 0.00	40.03 3.12 0.00	42.37 3.08 0.00	39.64 2.93 0.00	34.75 2.39 0.00	31.78 1.88 0.00
NYPA_VERNON____GT2 24162	38.48 1.00 0.00	32.93 0.93 0.00	32.25 0.86 0.00	31.14 0.77 0.00	34.39 0.93 0.00	39.62 1.32 -3.70	52.55 2.41 -12.54	61.87 2.78 -20.09	45.75 2.39 -7.37	32.04 1.73 0.00	37.43 2.07 0.00	39.55 2.48 0.00	41.91 2.73 0.00	43.15 2.90 0.00	41.85 2.95 0.00	39.90 3.07 0.00	37.38 3.34 0.00	39.57 3.66 0.00	38.05 3.40 0.00	40.10 3.19 0.00	42.42 3.14 0.00	39.62 2.91 0.00	34.71 2.35 0.00	31.74 1.84 0.00
NYPA_VERNON____GT3 24163	38.48 1.00 0.00	32.93 0.93 0.00	32.25 0.86 0.00	31.14 0.77 0.00	34.39 0.93 0.00	39.62 1.32 -3.70	52.55 2.41 -12.54	61.87 2.78 -20.09	45.75 2.39 -7.37	32.04 1.73 0.00	37.43 2.07 0.00	39.55 2.48 0.00	41.91 2.73 0.00	43.15 2.90 0.00	41.85 2.95 0.00	39.90 3.07 0.00	37.38 3.34 0.00	39.57 3.66 0.00	38.05 3.40 0.00	40.10 3.19 0.00	42.42 3.14 0.00	39.62 2.91 0.00	34.71 2.35 0.00	31.74 1.84 0.00
NYPA____ASTORIA_CC1 323568	38.39 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.87 0.00	39.55 1.25 -3.70	52.47 2.33 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.35 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.79 2.88 0.00	39.83 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
NYPA____ASTORIA_CC2 323569	38.39 0.92 0.00	32.87 0.87 0.00	32.19 0.80 0.00	31.08 0.72 0.00	34.33 0.87 0.00	39.55 1.25 -3.70	52.47 2.33 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.35 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.07 2.82 0.00	41.79 2.88 0.00	39.83 3.00 0.00	37.31 3.27 0.00	39.50 3.59 0.00	37.98 3.33 0.00	40.03 3.12 0.00	42.35 3.06 0.00	39.56 2.85 0.00	34.65 2.29 0.00	31.68 1.77 0.00
NYPA____HOLTSVILL 23794	39.79 2.32 0.00	33.85 1.85 0.00	33.24 1.84 0.00	32.06 1.69 0.00	35.50 2.05 0.00	46.14 2.72 -8.82	53.97 3.83 -12.54	63.16 4.06 -20.10	46.84 3.48 -7.38	32.92 2.62 0.00	38.43 3.07 0.00	40.61 3.54 0.00	42.83 3.65 0.00	44.01 3.76 0.00	42.68 3.77 0.00	41.06 4.23 0.00	38.59 4.55 0.00	40.74 4.83 0.00	39.01 4.35 0.00	41.17 4.26 0.00	43.63 4.35 0.00	40.93 4.22 0.00	35.92 3.56 0.00	32.85 2.94 0.00
NYPA____HELLGATE_GT1 24158	38.30 0.82 0.00	32.83 0.82 0.00	32.12 0.73 0.00	31.05 0.69 0.01	34.27 0.82 0.00	39.50 1.20 -3.70	52.47 2.32 -12.54	61.72 2.63 -20.09	45.58 2.22 -7.37	31.89 1.58 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.87 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.53 2.17 0.00	31.55 1.64 0.00
NYPA____HELLGATE_GT2 24159	38.30 0.82 0.00	32.83 0.82 0.00	32.12 0.73 0.00	31.05 0.69 0.01	34.27 0.82 0.00	39.50 1.20 -3.70	52.47 2.32 -12.54	61.72 2.63 -20.09	45.58 2.22 -7.37	31.89 1.58 0.00	37.29 1.93 0.00	39.33 2.26 0.00	41.70 2.51 0.00	42.82 2.57 0.00	41.54 2.64 0.00	39.66 2.82 0.00	37.17 3.13 0.00	39.36 3.44 0.00	37.82 3.16 0.00	39.87 2.95 0.00	42.16 2.87 0.00	39.39 2.68 0.00	34.53 2.17 0.00	31.55 1.64 0.00
NYS_BARGE____HYD 23848	25.87 -0.43 11.18	29.34 -0.88 1.79	29.23 -0.48 1.69	27.88 -0.41 2.08	30.26 -0.37 2.83	30.24 -0.68 3.68	36.14 -0.85 0.61	39.54 -1.11 -1.65	29.30 -0.29 6.39	28.66 -0.06 1.59	35.03 -0.33 0.00	36.53 -0.54 0.00	38.55 -0.64 0.00	39.63 -0.62 0.00	38.22 -0.69 0.00	35.87 -0.97 0.00	33.35 -0.69 0.00	35.35 -0.56 0.00	33.53 -1.13 0.00	35.35 -0.85 0.71	36.63 -1.36 1.30	35.05 -1.29 0.38	29.27 -0.82 2.26	28.66 -0.15 1.09
OAK ORCHARD____HYD 24046	31.09 -0.28 6.11	30.48 -0.55 0.97	30.15 -0.32 0.92	28.94 -0.29 1.14	31.67 -0.24 1.54	32.19 -0.40 2.01	36.96 -0.31 0.33	39.99 -0.34 -1.32	32.62 0.12 3.49	29.66 0.22 0.87	35.47 0.11 0.00	37.09 0.01 0.00	39.16 -0.03 0.00	40.21 -0.04 0.00	38.81 -0.09 0.00	36.60 -0.24 0.00	34.02 -0.01 0.00	36.05 0.14 0.00	34.38 -0.27 0.00	36.40 -0.13 0.39	38.11 -0.47 0.71	36.01 -0.50 0.21	30.79 -0.34 1.24	29.26 -0.05 0.60
OAKDALE__35_KV_LOAD 356122	37.41 -0.06 0.00	31.83 -0.18 0.00	31.31 -0.08 0.00	30.30 -0.07 0.00	33.45 -0.01 0.00	34.68 0.08 0.00	38.05 0.45 0.00	42.54 0.48 -3.06	36.69 0.70 0.00	30.81 0.51 0.00	35.91 0.55 0.00	37.75 0.67 0.00	39.89 0.70 0.00	40.99 0.74 0.00	39.66 0.75 0.00	37.56 0.73 0.00	34.92 0.88 0.00	36.99 1.08 0.00	35.53 0.88 0.00	37.77 0.85 0.00	39.90 0.61 0.00	37.30 0.59 0.00	32.79 0.42 0.00	30.30 0.40 0.00
OCC_CHEM____DRP 24175	36.38 -1.09 0.00	30.55 -1.46 0.00	30.36 -1.03 0.00	29.38 -0.99 0.00	32.46 -0.99 0.00	33.41 -1.19 0.00	36.07 -1.53 0.00	38.52 -2.17 -1.68	34.86 -1.12 0.00	29.47 -0.84 0.00	34.11 -1.25 0.00	35.53 -1.54 0.00	37.53 -1.66 0.00	38.57 -1.68 0.00	37.18 -1.73 0.00	34.88 -1.96 0.00	32.38 -1.65 0.00	34.31 -1.60 0.00	32.52 -2.14 0.00	35.05 -1.86 0.00	36.89 -2.39 0.00	34.46 -2.25 0.00	30.75 -1.62 0.00	29.18 -0.72 0.00
OH_GEN_PROXY 24063	23.46 -0.78 13.24	28.77 -1.12 2.11	28.67 -0.72 2.00	27.22 -0.69 2.46	29.44 -0.67 3.35	29.23 -1.01 4.36	35.62 -1.26 0.72	39.16 -1.50 -1.65	27.72 -0.70 7.57	28.02 -0.41 1.88	34.63 -0.73 0.00	36.12 -0.95 0.00	38.13 -1.06 0.00	39.19 -1.06 0.00	37.78 -1.13 0.00	40.69 -1.38 -5.23	32.92 -1.12 0.00	34.90 -1.01 0.00	33.11 -1.54 0.00	34.79 -1.28 0.84	35.99 -1.75 1.54	34.62 -1.64 0.45	31.88 -1.13 -0.65	28.12 -0.50 1.29
OLIN_CORP_DRP 24177	36.41 -1.07 0.00	30.61 -1.39 0.00	30.41 -0.98 0.00	29.47 -0.90 0.00	32.50 -0.95 0.00	33.32 -1.29 0.00	36.09 -1.51 0.00	38.70 -1.99 -1.69	34.96 -1.03 0.00	29.63 -0.68 0.00	34.36 -1.00 0.00	35.81 -1.26 0.00	37.80 -1.39 0.00	38.86 -1.39 0.00	37.45 -1.45 0.00	35.16 -1.67 0.00	32.66 -1.38 0.00	34.61 -1.31 0.00	32.81 -1.85 0.00	35.32 -1.60 0.00	37.15 -2.14 0.00	34.73 -1.99 0.00	30.95 -1.42 0.00	29.23 -0.68 0.00



OLIN_CORP_DSASP 323712	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23
ONEIDA_HERK_LFGE 323681	38.17 0.69 0.00	32.55 0.54 0.00	31.95 0.55 0.00	30.92 0.55 0.00	34.11 0.66 0.00	35.37 0.77 0.00	38.70 1.09 0.00	40.22 1.22 0.00	37.20 1.22 0.00	31.37 1.06 0.00	36.57 1.22 0.00	38.34 1.27 0.00	40.47 1.28 0.00	41.55 1.29 0.00	40.16 1.26 0.00	38.00 1.17 0.00	35.26 1.22 0.00	37.19 1.28 0.00	35.86 1.21 0.00	38.17 1.25 0.00	40.53 1.25 0.00	37.84 1.13 0.00	33.26 0.89 0.00	30.64 0.73 0.00
ONEIDA___115KV_TB4 55905	38.28 0.80 0.00	32.67 0.67 0.00	32.08 0.69 0.00	31.06 0.69 0.00	34.28 0.83 0.00	35.59 0.98 0.00	39.00 1.40 0.00	41.14 1.52 -0.61	37.55 1.57 0.00	31.64 1.33 0.00	36.86 1.50 0.00	38.67 1.59 0.00	40.82 1.63 0.00	41.91 1.65 0.00	40.53 1.63 0.00	38.41 1.58 0.00	35.68 1.64 0.00	37.61 1.70 0.00	36.18 1.53 0.00	38.48 1.57 0.00	40.79 1.51 0.00	38.05 1.34 0.00	33.42 1.06 0.00	30.81 0.91 0.00
ONONDAGA_REF_OCCRA 23987	37.07 -0.40 0.00	31.57 -0.44 0.00	30.99 -0.40 0.00	30.00 -0.37 0.00	33.10 -0.35 0.00	34.26 -0.34 0.00	37.50 -0.11 0.00	40.12 -0.09 -1.21	36.07 0.08 0.00	30.36 0.05 0.00	35.38 0.02 0.00	37.12 0.04 0.00	39.20 0.01 0.00	40.26 0.01 0.00	38.94 0.04 0.00	36.90 0.07 0.00	34.28 0.24 0.00	36.27 0.36 0.00	34.86 0.21 0.00	37.09 0.17 0.00	39.24 -0.04 0.00	36.63 -0.08 0.00	32.21 -0.15 0.00	29.77 -0.14 0.00
ONONDAGA___COGEN 23986	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
ONTARIO___LFGE 23819	37.51 0.04 0.00	31.83 -0.17 0.00	31.37 -0.02 0.00	30.39 0.02 0.00	33.61 0.15 0.00	34.79 0.19 0.00	38.21 0.60 0.00	41.19 0.57 -1.63	36.96 0.97 0.00	31.14 0.83 0.00	36.04 0.68 0.00	38.01 0.94 0.00	39.96 0.77 0.00	41.06 0.81 0.00	39.71 0.80 0.00	37.57 0.73 0.00	34.98 0.95 0.00	37.11 1.19 0.00	35.54 0.88 0.00	37.82 0.90 0.00	39.84 0.56 0.00	37.27 0.56 0.00	32.80 0.44 0.00	30.41 0.50 0.00
ORANGEVILLE_WT_PWR 323706	31.89 -0.18 5.41	30.53 -0.61 0.86	30.31 -0.27 0.82	29.24 -0.13 1.01	32.06 -0.03 1.37	32.67 -0.15 1.78	37.24 -0.06 0.29	40.70 -0.22 -1.91	33.49 0.59 3.09	30.14 0.61 0.77	35.81 0.45 0.00	37.53 0.45 0.00	39.62 0.43 0.00	40.70 0.45 0.00	39.27 0.36 0.00	36.96 0.12 0.00	34.37 0.33 0.00	36.47 0.55 0.00	34.72 0.06 0.00	36.85 0.28 0.34	38.46 -0.20 0.63	36.36 -0.16 0.18	31.27 0.00 1.10	29.80 0.42 0.53
ORANGEVILLE___ESR 323794	31.89 -0.18 5.41	30.53 -0.61 0.86	30.31 -0.27 0.82	29.24 -0.13 1.01	32.06 -0.03 1.37	32.67 -0.15 1.78	37.24 -0.06 0.29	40.70 -0.22 -1.91	33.49 0.59 3.09	30.14 0.61 0.77	35.81 0.45 0.00	37.53 0.45 0.00	39.62 0.43 0.00	40.70 0.45 0.00	39.27 0.36 0.00	36.96 0.12 0.00	34.37 0.33 0.00	36.47 0.55 0.00	34.72 0.06 0.00	36.85 0.28 0.34	38.46 -0.20 0.63	36.36 -0.16 0.18	31.27 0.00 1.10	29.80 0.42 0.53
OSWEGATCHIE___HYD 24044	37.88 0.40 0.00	32.41 0.40 0.00	31.79 0.40 0.00	30.79 0.42 0.00	33.91 0.46 0.00	34.88 0.27 0.00	37.71 0.11 0.00	39.17 0.16 0.00	36.15 0.16 0.00	30.58 0.27 0.00	35.75 0.39 0.00	37.41 0.34 0.00	39.50 0.32 0.00	40.60 0.35 0.00	39.18 0.27 0.00	36.75 -0.09 0.00	33.82 -0.21 0.00	35.45 -0.46 0.00	34.44 -0.21 0.00	36.82 -0.10 0.00	39.33 0.05 0.00	36.92 0.21 0.00	32.60 0.23 0.00	30.10 0.19 0.00
OSWEGO___5 23606	36.47 -1.01 0.00	31.08 -0.93 0.00	30.52 -0.88 0.00	29.53 -0.84 0.00	32.55 -0.90 0.00	33.66 -0.95 0.00	36.76 -0.84 0.00	39.10 -0.86 -0.95	35.30 -0.69 0.00	29.71 -0.60 0.00	34.63 -0.72 0.00	36.33 -0.74 0.00	38.36 -0.83 0.00	39.38 -0.87 0.00	38.06 -0.84 0.00	36.05 -0.78 0.00	33.44 -0.60 0.00	35.35 -0.56 0.00	34.01 -0.64 0.00	36.21 -0.71 0.00	38.39 -0.90 0.00	35.84 -0.87 0.00	31.56 -0.80 0.00	29.19 -0.71 0.00
OSWEGO___6 23613	36.47 -1.01 0.00	31.08 -0.93 0.00	30.52 -0.88 0.00	29.53 -0.84 0.00	32.55 -0.90 0.00	33.66 -0.95 0.00	36.76 -0.84 0.00	39.10 -0.86 -0.95	35.30 -0.69 0.00	29.71 -0.60 0.00	34.63 -0.72 0.00	36.33 -0.74 0.00	38.36 -0.83 0.00	39.38 -0.87 0.00	38.06 -0.84 0.00	36.05 -0.78 0.00	33.44 -0.60 0.00	35.35 -0.56 0.00	34.01 -0.64 0.00	36.21 -0.71 0.00	38.39 -0.90 0.00	35.84 -0.87 0.00	31.56 -0.80 0.00	29.19 -0.71 0.00
OUTOKUMPU-AB___DRP 24206	37.38 -0.10 0.00	31.43 -0.58 0.00	31.24 -0.15 0.00	30.26 -0.11 0.00	33.40 -0.05 0.00	34.35 -0.26 0.00	37.24 -0.36 0.00	39.86 -0.83 -1.70	36.11 0.12 0.00	30.55 0.25 0.00	35.37 0.02 0.00	36.92 -0.15 0.00	38.98 -0.20 0.00	40.07 -0.18 0.00	38.65 -0.26 0.00	36.26 -0.57 0.00	33.70 -0.33 0.00	35.74 -0.18 0.00	33.90 -0.76 0.00	36.45 -0.46 0.00	38.34 -0.95 0.00	35.81 -0.90 0.00	31.86 -0.50 0.00	30.07 0.16 0.00
OXBOW____ 24026	24.49 -0.46 12.53	29.09 -0.92 2.00	28.99 -0.51 1.90	27.57 -0.46 2.33	29.90 -0.39 3.17	29.85 -0.62 4.13	36.01 -0.91 0.68	39.41 -1.28 -1.69	28.43 -0.39 7.17	28.37 -0.16 1.78	34.87 -0.49 0.00	36.37 -0.71 0.00	38.38 -0.80 0.00	39.46 -0.79 0.00	38.04 -0.87 0.00	35.70 -1.13 0.00	33.17 -0.87 0.00	35.16 -0.75 0.00	33.35 -1.31 0.00	35.09 -1.03 0.80	36.30 -1.52 1.46	34.83 -1.45 0.42	28.88 -0.95 2.54	28.50 -0.18 1.22
OXY_CHEM_DSASP 323612	36.38 -1.09 0.00	30.55 -1.46 0.00	30.36 -1.03 0.00	29.38 -0.99 0.00	32.46 -0.99 0.00	33.41 -1.19 0.00	36.07 -1.53 0.00	38.52 -2.17 -1.68	34.86 -1.12 0.00	29.47 -0.84 0.00	34.11 -1.25 0.00	35.53 -1.54 0.00	37.53 -1.66 0.00	38.57 -1.68 0.00	37.18 -1.73 0.00	34.88 -1.96 0.00	32.38 -1.65 0.00	34.31 -1.60 0.00	32.52 -2.14 0.00	35.05 -1.86 0.00	36.89 -2.39 0.00	34.46 -2.25 0.00	30.75 -1.62 0.00	29.18 -0.72 0.00
OZONE_PARK_ESR 323760	38.78 1.30 0.00	33.17 1.16 0.00	32.49 1.10 0.00	31.36 1.00 0.00	34.64 1.19 0.00	39.86 1.56 -3.70	52.88 2.73 -12.54	62.22 3.13 -20.09	46.08 2.72 -7.37	32.31 2.00 0.00	37.73 2.37 0.00	39.87 2.80 0.00	42.24 3.05 0.00	43.45 3.20 0.00	42.15 3.24 0.00	40.18 3.35 0.00	37.66 3.62 0.00	39.90 3.99 0.00	38.36 3.71 0.00	40.43 3.51 0.00	42.75 3.46 0.00	39.92 3.21 0.00	34.98 2.62 0.00	32.00 2.09 0.00



PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	36.38 -1.09 0.00	30.55 -1.46 0.00	30.36 -1.03 0.00	29.38 -0.99 0.00	32.46 -0.99 0.00	33.41 -1.19 0.00	36.07 -1.53 0.00	38.52 -2.17 -1.68	34.86 -1.12 0.00	29.47 -0.84 0.00	34.11 -1.25 0.00	35.53 -1.54 0.00	37.53 -1.66 0.00	38.57 -1.68 0.00	37.18 -1.73 0.00	34.88 -1.96 0.00	32.38 -1.65 0.00	34.31 -1.60 0.00	32.52 -2.14 0.00	35.05 -1.86 0.00	36.89 -2.39 0.00	34.46 -2.25 0.00	30.75 -1.62 0.00	29.18 -0.72 0.00
PACKARD__115KV_DUPONT_184 80571	36.38 -1.09 0.00	30.55 -1.46 0.00	30.36 -1.03 0.00	29.38 -0.99 0.00	32.46 -0.99 0.00	33.41 -1.19 0.00	36.07 -1.53 0.00	38.52 -2.17 -1.68	34.86 -1.12 0.00	29.47 -0.84 0.00	34.11 -1.25 0.00	35.53 -1.54 0.00	37.53 -1.66 0.00	38.57 -1.68 0.00	37.18 -1.73 0.00	34.88 -1.96 0.00	32.38 -1.65 0.00	34.31 -1.60 0.00	32.52 -2.14 0.00	35.05 -1.86 0.00	36.89 -2.39 0.00	34.46 -2.25 0.00	30.75 -1.62 0.00	29.18 -0.72 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	38.46 0.99 0.00	32.95 0.94 0.00	32.26 0.87 0.00	31.19 0.82 0.00	34.43 0.98 0.00	39.65 1.35 -3.70	52.56 2.41 -12.54	61.86 2.77 -20.09	45.74 2.38 -7.37	32.00 1.69 0.00	37.38 2.02 0.00	39.46 2.39 0.00	41.82 2.64 0.00	42.99 2.74 0.00	41.70 2.80 0.00	39.77 2.94 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.93 3.27 0.00	39.98 3.07 0.00	42.29 3.01 0.00	39.50 2.79 0.00	34.62 2.26 0.00	31.64 1.73 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	38.68 1.21 0.00	33.14 1.13 0.00	32.49 1.10 0.00	31.43 1.06 0.00	34.74 1.29 0.00	39.98 1.67 -3.70	52.85 2.71 -12.54	62.18 3.09 -20.09	46.00 2.64 -7.37	32.20 1.89 0.00	37.61 2.25 0.00	39.66 2.58 0.00	42.05 2.87 0.00	43.19 2.94 0.00	41.88 2.97 0.00	39.93 3.10 0.00	37.43 3.40 0.00	39.67 3.75 0.00	38.13 3.47 0.00	40.15 3.23 0.00	42.48 3.20 0.00	39.66 2.95 0.00	34.78 2.42 0.00	31.86 1.95 0.00
PATROON__115KV_TB1 80586	37.96 0.48 0.00	32.49 0.49 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.90 0.44 0.00	21.72 0.59 13.48	-7.26 0.83 45.70	6.33 0.98 33.65	9.87 0.75 26.87	30.71 0.40 0.00	36.04 0.68 0.00	37.86 0.79 0.00	40.06 0.87 0.00	41.15 0.90 0.00	39.85 0.95 0.00	37.86 1.02 0.00	35.26 1.23 0.00	37.29 1.38 0.00	35.92 1.26 0.00	38.09 1.18 0.00	40.38 1.09 0.00	37.71 1.00 0.00	33.15 0.79 0.00	30.52 0.61 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	38.53 1.05 0.00	32.46 0.45 0.00	32.25 0.86 0.00	31.17 0.80 0.00	34.45 0.99 0.00	35.37 0.77 0.00	38.39 0.78 0.00	41.32 0.55 -1.77	37.48 1.49 0.00	31.63 1.32 0.00	36.57 1.21 0.00	38.31 1.23 0.00	40.46 1.27 0.00	41.56 1.31 0.00	40.09 1.18 0.00	37.66 0.83 0.00	35.01 0.98 0.00	37.18 1.27 0.00	35.32 0.66 0.00	37.95 1.03 0.00	39.88 0.59 0.00	37.27 0.56 0.00	33.10 0.74 0.00	31.03 1.12 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	38.80 1.33 0.00	33.20 1.20 0.00	32.51 1.11 0.00	31.40 1.03 0.00	34.69 1.24 0.00	39.78 1.60 -3.57	52.39 2.67 -12.11	61.71 3.00 -19.71	45.76 2.64 -7.13	32.25 1.94 0.00	37.71 2.36 0.00	39.78 2.71 0.00	42.16 2.97 0.00	43.36 3.11 0.00	42.04 3.13 0.00	40.04 3.21 0.00	37.52 3.48 0.00	39.78 3.87 0.00	38.27 3.62 0.00	40.40 3.49 0.00	42.71 3.43 0.00	39.86 3.15 0.00	34.92 2.56 0.00	31.97 2.07 0.00
PEEKSKILL____ 23653	38.40 0.92 0.00	32.87 0.86 0.00	32.18 0.79 0.00	31.08 0.71 0.00	34.32 0.87 0.00	39.52 1.23 -3.69	52.39 2.29 -12.49	61.63 2.59 -20.03	45.55 2.22 -7.35	31.89 1.58 0.00	37.28 1.92 0.00	39.36 2.29 0.00	41.68 2.49 0.00	42.88 2.63 0.00	41.58 2.67 0.00	39.62 2.79 0.00	37.10 3.07 0.00	39.29 3.38 0.00	37.79 3.13 0.00	39.87 2.95 0.00	42.17 2.89 0.00	39.39 2.68 0.00	34.54 2.18 0.00	31.62 1.72 0.00
PGE MADISON____WINDPWR 24146	43.04 1.94 -3.63	34.11 1.52 -0.58	33.32 1.38 -0.55	32.46 1.42 -0.68	36.34 1.97 -0.92	38.26 2.46 -1.20	41.58 3.78 -0.20	46.61 4.21 -3.40	42.45 4.38 -2.08	34.56 3.73 -0.52	39.47 4.11 0.00	41.38 4.31 0.00	43.83 4.64 0.00	45.19 4.94 0.00	43.81 4.91 0.00	41.38 4.54 0.00	38.66 4.63 0.00	41.04 5.13 0.00	39.37 4.72 0.00	42.08 4.93 -0.23	44.56 4.85 -0.42	41.21 4.37 -0.12	36.63 3.54 -0.74	33.41 3.15 -0.36
PIERCEFIELD____HYD 23852	38.57 1.09 0.00	33.10 1.10 0.00	32.48 1.08 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.69 0.00	37.72 0.12 0.00	39.14 0.14 0.00	36.02 0.03 0.00	30.58 0.27 0.00	35.85 0.49 0.00	37.45 0.37 0.00	39.59 0.40 0.00	40.71 0.46 0.00	39.21 0.30 0.00	36.56 -0.27 0.00	33.38 -0.65 0.00	34.78 -1.14 0.00	34.04 -0.62 0.00	36.50 -0.41 0.00	39.20 -0.08 0.00	36.98 0.27 0.00	32.82 0.46 0.00	30.41 0.50 0.00
PINELAWN_CC_I 323563	39.59 2.11 0.00	33.70 1.69 0.00	33.08 1.69 0.00	31.89 1.53 0.00	35.31 1.85 0.00	45.67 2.50 -8.56	53.76 3.61 -12.54	62.95 3.85 -20.10	46.67 3.31 -7.38	32.78 2.47 0.00	38.30 2.94 0.00	40.45 3.38 0.00	42.47 3.28 0.00	43.50 3.25 0.00	42.14 3.24 0.00	40.45 3.62 0.00	38.00 3.95 0.00	39.99 4.08 0.00	38.32 3.66 0.00	40.47 3.55 0.00	43.03 3.75 0.00	40.42 3.70 0.00	35.73 3.36 0.00	32.68 2.78 0.00
PJM_GEN_HTP_PROXY 323702	38.96 0.94 -0.55	32.15 0.86 0.72	32.20 0.81 0.00	31.09 0.72 0.00	34.33 0.88 0.00	39.54 1.24 -3.70	52.49 2.35 -12.54	71.17 2.69 -29.48	42.01 2.29 -3.73	31.97 1.66 0.00	37.33 1.97 0.00	39.44 2.36 0.00	41.79 2.60 0.00	42.98 2.74 0.00	41.70 2.79 0.00	39.75 2.91 0.00	37.23 3.20 0.00	39.43 3.52 0.00	37.91 3.26 0.00	39.95 3.03 0.00	42.25 2.97 0.00	39.46 2.75 0.00	34.61 2.25 0.00	31.66 1.76 0.00
PJM_GEN_KEystone 24065	36.70 0.16 0.93	28.86 0.00 3.14	29.24 0.14 2.30	27.65 0.10 2.82	29.84 0.23 3.84	29.90 0.30 5.01	37.63 0.86 0.83	53.46 0.94 -13.52	24.73 1.07 12.33	28.80 0.73 2.24	35.93 0.74 0.17	38.03 0.96 0.00	40.25 1.06 0.00	41.36 1.11 0.00	40.01 1.11 0.00	37.90 1.06 0.00	35.37 1.33 0.00	37.49 1.58 0.00	35.91 1.25 0.00	37.14 1.19 0.96	38.45 0.93 1.76	37.10 0.90 0.51	30.05 0.76 3.07	29.16 0.74 1.48
PJM_GEN_NEPTUNE_PROXY 323594	39.58 1.56 -0.55	32.56 1.27 0.72	32.64 1.25 0.00	31.49 1.12 0.00	34.83 1.37 0.00	41.72 1.93 -5.18	53.11 2.97 -12.54	71.65 3.17 -29.48	42.41 2.69 -3.73	32.31 2.00 0.00	37.79 2.43 0.00	39.91 2.84 0.00	42.10 2.91 0.00	43.25 3.00 0.00	41.94 3.04 0.00	40.22 3.38 0.00	37.73 3.69 0.00	39.82 3.91 0.00	38.18 3.53 0.00	40.35 3.43 0.00	42.76 3.48 0.00	40.07 3.36 0.00	35.17 2.81 0.00	32.19 2.28 0.00
PJM_GEN_VFT_PROXY 323633	38.73 0.71 -0.55	31.97 0.68 0.72	32.02 0.62 0.00	30.89 0.53 0.00	34.13 0.67 0.00	39.33 1.03 -3.70	52.26 2.11 -12.54	70.92 2.44 -29.48	41.76 2.04 -3.73	30.58 1.43 1.16	34.60 1.70 2.46	39.17 2.09 0.00	41.50 2.31 0.00	42.70 2.45 0.00	41.42 2.52 0.00	39.47 2.64 0.00	36.99 2.96 0.00	39.19 3.27 0.00	37.67 3.02 0.00	39.69 2.77 0.00	42.02 2.74 0.00	39.24 2.53 0.00	34.39 2.03 0.00	31.45 1.55 0.00



PLATSBRG_115KV_PMLD1 355749	40.24 2.76 0.00	34.42 2.41 0.00	33.71 2.32 0.00	32.59 2.22 0.00	35.74 2.29 0.00	36.65 2.05 0.00	39.21 1.60 0.00	40.87 1.87 0.00	37.42 1.44 0.00	31.72 1.41 0.00	36.68 1.32 0.00	38.49 1.42 0.00	40.70 1.51 0.00	41.76 1.51 0.00	40.24 1.33 0.00	38.10 1.27 0.00	35.04 1.01 0.00	36.84 0.93 0.00	35.57 0.92 0.00	38.11 1.19 0.00	40.63 1.34 0.00	37.90 1.19 0.00	33.47 1.10 0.00	31.07 1.17 0.00
PLEASANTVLY___LBMP 24000	38.27 0.80 0.00	32.79 0.78 0.00	32.09 0.70 0.00	31.00 0.64 0.00	34.22 0.77 0.00	39.66 1.09 -3.97	53.13 2.06 -13.47	62.66 2.34 -21.32	45.92 2.01 -7.92	31.72 1.41 0.00	37.14 1.78 0.00	39.18 2.11 0.00	41.48 2.29 0.00	42.66 2.41 0.00	41.36 2.45 0.00	39.39 2.55 0.00	36.85 2.82 0.00	39.03 3.11 0.00	37.55 2.89 0.00	39.65 2.74 0.00	41.96 2.67 0.00	39.21 2.49 0.00	34.40 2.04 0.00	31.52 1.62 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	38.48 1.00 0.00	32.93 0.92 0.00	32.25 0.85 0.00	31.13 0.77 0.00	34.39 0.94 0.00	39.62 1.28 -3.73	52.62 2.38 -12.64	61.87 2.65 -20.22	45.71 2.29 -7.43	31.95 1.64 0.00	37.35 1.99 0.00	39.43 2.36 0.00	41.78 2.59 0.00	42.95 2.70 0.00	41.64 2.73 0.00	39.68 2.84 0.00	37.16 3.13 0.00	39.37 3.46 0.00	37.85 3.20 0.00	39.95 3.03 0.00	42.25 2.97 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.68 1.78 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	38.48 1.00 0.00	32.93 0.92 0.00	32.25 0.85 0.00	31.13 0.77 0.00	34.39 0.94 0.00	39.62 1.28 -3.73	52.62 2.38 -12.64	61.87 2.65 -20.22	45.71 2.29 -7.43	31.95 1.64 0.00	37.35 1.99 0.00	39.43 2.36 0.00	41.78 2.59 0.00	42.95 2.70 0.00	41.64 2.73 0.00	39.68 2.84 0.00	37.16 3.13 0.00	39.37 3.46 0.00	37.85 3.20 0.00	39.95 3.03 0.00	42.25 2.97 0.00	39.46 2.75 0.00	34.59 2.23 0.00	31.68 1.78 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	38.54 1.07 0.00	33.02 1.01 0.00	32.32 0.92 0.00	31.22 0.85 0.00	34.48 1.02 0.00	40.29 1.37 -4.32	54.54 2.28 -14.65	64.30 2.58 -22.72	46.90 2.30 -8.62	31.96 1.65 0.00	37.44 2.08 0.00	39.50 2.42 0.00	41.84 2.66 0.00	43.03 2.78 0.00	41.73 2.82 0.00	39.74 2.91 0.00	37.22 3.19 0.00	39.49 3.58 0.00	37.99 3.33 0.00	40.12 3.21 0.00	42.39 3.10 0.00	39.57 2.86 0.00	34.70 2.33 0.00	31.78 1.88 0.00
POLETTI_____ 23519	38.32 0.84 0.00	32.80 0.79 0.00	32.13 0.74 0.00	31.02 0.65 0.00	34.25 0.80 0.00	39.44 1.14 -3.70	52.37 2.23 -12.54	61.69 2.60 -20.09	45.58 2.22 -7.37	31.89 1.59 0.00	37.25 1.89 0.00	39.36 2.28 0.00	41.69 2.50 0.00	42.89 2.64 0.00	41.61 2.70 0.00	39.68 2.85 0.00	37.17 3.14 0.00	39.36 3.45 0.00	37.86 3.20 0.00	39.88 2.96 0.00	42.18 2.89 0.00	39.39 2.68 0.00	34.55 2.19 0.00	31.62 1.71 0.00
POMONA____ESR 323819	38.16 0.69 0.00	32.67 0.66 0.00	31.99 0.59 0.00	30.91 0.54 0.00	34.16 0.71 0.00	39.04 1.07 -3.37	51.12 2.11 -11.41	59.96 2.38 -18.58	44.69 2.00 -6.71	31.64 1.33 0.00	36.92 1.56 0.00	39.02 1.94 0.00	41.34 2.15 0.00	42.50 2.25 0.00	41.19 2.29 0.00	39.23 2.40 0.00	36.74 2.71 0.00	38.91 3.00 0.00	37.43 2.78 0.00	39.47 2.56 0.00	41.77 2.49 0.00	39.03 2.31 0.00	34.22 1.85 0.00	31.34 1.44 0.00
PORT_JEFF_3 23555	39.95 2.47 0.00	33.97 1.96 0.00	33.36 1.97 0.00	32.17 1.80 0.00	35.62 2.17 0.00	46.28 2.87 -8.81	54.15 4.00 -12.54	63.36 4.26 -20.10	47.02 3.66 -7.38	33.06 2.75 0.00	38.59 3.23 0.00	40.76 3.69 0.00	43.02 3.83 0.00	44.20 3.96 0.00	42.87 3.97 0.00	41.26 4.42 0.00	38.80 4.76 0.00	40.98 5.07 0.00	39.23 4.58 0.00	41.43 4.51 0.00	43.87 4.59 0.00	41.15 4.44 0.00	36.09 3.73 0.00	33.00 3.09 0.00
PORT_JEFF_4 23616	39.95 2.47 0.00	33.97 1.96 0.00	33.36 1.97 0.00	32.17 1.80 0.00	35.62 2.17 0.00	46.28 2.87 -8.81	54.15 4.00 -12.54	63.36 4.26 -20.10	47.02 3.66 -7.38	33.06 2.75 0.00	38.59 3.23 0.00	40.76 3.69 0.00	43.02 3.83 0.00	44.20 3.96 0.00	42.87 3.97 0.00	41.26 4.42 0.00	38.80 4.76 0.00	40.98 5.07 0.00	39.23 4.58 0.00	41.43 4.51 0.00	43.87 4.59 0.00	41.15 4.44 0.00	36.09 3.73 0.00	33.00 3.09 0.00
PORT_JEFF_IC 23713	39.99 2.51 0.00	34.00 2.00 0.00	33.39 2.00 0.00	32.20 1.83 0.00	35.66 2.20 0.00	46.31 2.90 -8.80	54.21 4.06 -12.54	63.40 4.30 -20.10	47.07 3.71 -7.38	33.10 2.79 0.00	38.63 3.27 0.00	40.80 3.73 0.00	43.08 3.89 0.00	44.28 4.03 0.00	42.93 4.03 0.00	41.32 4.48 0.00	38.87 4.83 0.00	41.07 5.15 0.00	39.32 4.66 0.00	41.50 4.59 0.00	43.95 4.67 0.00	41.22 4.51 0.00	36.15 3.79 0.00	33.04 3.13 0.00
PPL PILGRIM_ST_GT1 24216	39.94 2.47 0.00	33.98 1.98 0.00	33.38 1.99 0.00	32.19 1.83 0.00	35.63 2.18 0.00	46.23 2.86 -8.77	54.10 3.96 -12.54	63.29 4.19 -20.10	46.98 3.62 -7.38	33.06 2.75 0.00	38.59 3.24 0.00	40.79 3.71 0.00	42.94 3.76 0.00	44.13 3.88 0.00	42.78 3.87 0.00	41.16 4.33 0.00	38.70 4.66 0.00	40.84 4.93 0.00	39.11 4.46 0.00	41.28 4.37 0.00	43.75 4.47 0.00	41.04 4.32 0.00	36.03 3.67 0.00	32.97 3.06 0.00
PPL PILGRIM_ST_GT2 24217	39.94 2.47 0.00	33.98 1.98 0.00	33.38 1.99 0.00	32.19 1.83 0.00	35.63 2.18 0.00	46.23 2.86 -8.77	54.10 3.96 -12.54	63.29 4.19 -20.10	46.98 3.62 -7.38	33.06 2.75 0.00	38.59 3.24 0.00	40.79 3.71 0.00	42.94 3.76 0.00	44.13 3.88 0.00	42.78 3.87 0.00	41.16 4.33 0.00	38.70 4.66 0.00	40.84 4.93 0.00	39.11 4.46 0.00	41.28 4.37 0.00	43.75 4.47 0.00	41.04 4.32 0.00	36.03 3.67 0.00	32.97 3.06 0.00
PPL_SHRM_GT3 24213	40.22 2.75 0.00	34.18 2.18 0.00	33.57 2.18 0.00	32.38 2.01 0.00	35.87 2.42 0.00	46.56 3.15 -8.81	54.51 4.37 -12.54	63.74 4.64 -20.10	47.35 3.99 -7.38	33.25 2.95 0.00	38.80 3.45 0.00	41.01 3.93 0.00	43.37 4.18 0.00	44.59 4.35 0.00	43.27 4.36 0.00	41.67 4.83 0.00	39.21 5.17 0.00	41.44 5.53 0.00	39.66 5.01 0.00	41.87 4.96 0.00	44.33 5.04 0.00	41.57 4.85 0.00	36.42 4.06 0.00	33.27 3.36 0.00
PPL_SHRM_GT4 24214	40.22 2.75 0.00	34.18 2.18 0.00	33.57 2.18 0.00	32.38 2.01 0.00	35.87 2.42 0.00	46.56 3.15 -8.81	54.51 4.37 -12.54	63.74 4.64 -20.10	47.35 3.99 -7.38	33.25 2.95 0.00	38.80 3.45 0.00	41.01 3.93 0.00	43.37 4.18 0.00	44.59 4.35 0.00	43.27 4.36 0.00	41.67 4.83 0.00	39.21 5.17 0.00	41.44 5.53 0.00	39.66 5.01 0.00	41.87 4.96 0.00	44.33 5.04 0.00	41.57 4.85 0.00	36.42 4.06 0.00	33.27 3.36 0.00
PROJECT___ORANGE I 24174	36.79 -0.68 0.00	31.33 -0.67 0.00	30.77 -0.62 0.00	29.78 -0.59 0.00	32.84 -0.61 0.00	33.98 -0.62 0.00	37.16 -0.44 0.00	39.62 -0.45 -1.07	35.74 -0.25 0.00	30.08 -0.23 0.00	35.06 -0.30 0.00	36.78 -0.30 0.00	38.84 -0.35 0.00	39.89 -0.36 0.00	38.57 -0.33 0.00	36.55 -0.28 0.00	33.95 -0.09 0.00	35.91 0.00 0.00	34.50 -0.16 0.00	36.71 -0.20 0.00	38.87 -0.42 0.00	36.27 -0.45 0.00	31.91 -0.45 0.00	29.50 -0.40 0.00



PROJECT___ORANGE 2 24166	36.79 -0.68 0.00	31.33 -0.67 0.00	30.77 -0.62 0.00	29.78 -0.59 0.00	32.84 -0.61 0.00	33.98 -0.62 0.00	37.16 -0.44 0.00	39.62 -0.45 -1.07	35.74 -0.25 0.00	30.08 -0.23 0.00	35.06 -0.30 0.00	36.78 -0.30 0.00	38.84 -0.35 0.00	39.89 -0.36 0.00	38.57 -0.33 0.00	36.55 -0.28 0.00	33.95 -0.09 0.00	35.91 0.00 0.00	34.50 -0.16 0.00	36.71 -0.20 0.00	38.87 -0.42 0.00	36.27 -0.45 0.00	31.91 -0.45 0.00	29.50 -0.40 0.00
PUCKETT___SOLAR 323809	42.58 0.19 -4.92	32.78 -0.01 -0.79	32.21 0.07 -0.74	31.36 0.08 -0.91	34.96 0.26 -1.24	36.63 0.41 -1.62	38.86 0.99 -0.27	43.45 1.13 -3.31	40.15 1.34 -2.81	32.02 1.02 -0.70	36.46 1.10 0.00	38.32 1.25 0.00	40.49 1.30 0.00	41.73 1.48 0.00	40.45 1.55 0.00	38.39 1.55 0.00	35.73 1.69 0.00	37.83 1.92 0.00	36.31 1.66 0.00	38.92 1.70 -0.31	41.35 1.49 -0.57	38.25 1.37 -0.17	34.43 1.07 -1.00	31.34 0.96 -0.48
PYRITES___HYD 24023	39.26 1.78 0.00	33.72 1.72 0.00	33.09 1.70 0.00	32.03 1.67 0.00	35.29 1.84 0.00	36.20 1.60 0.00	38.85 1.25 0.00	40.32 1.32 0.00	36.99 1.01 0.00	31.41 1.10 0.00	36.77 1.41 0.00	38.33 1.26 0.00	40.57 1.38 0.00	41.79 1.54 0.00	40.18 1.27 0.00	37.55 0.71 0.00	34.29 0.25 0.00	35.81 -0.10 0.00	35.14 0.49 0.00	37.79 0.88 0.00	40.46 1.17 0.00	38.01 1.30 0.00	33.64 1.28 0.00	31.14 1.24 0.00
QUAKERRD_115KV_BK1 80622	36.26 -1.22 0.00	30.73 -1.27 0.00	30.30 -1.09 0.00	29.33 -1.04 0.00	32.37 -1.08 0.00	33.41 -1.20 0.00	36.47 -1.14 0.00	39.03 -1.26 -1.29	35.22 -0.77 0.00	29.74 -0.57 0.00	34.57 -0.79 0.00	36.19 -0.89 0.00	38.19 -1.00 0.00	39.24 -1.01 0.00	37.89 -1.01 0.00	35.77 -1.07 0.00	33.24 -0.79 0.00	35.20 -0.71 0.00	33.63 -1.03 0.00	35.92 -1.00 0.00	37.95 -1.34 0.00	35.39 -1.32 0.00	31.27 -1.09 0.00	29.08 -0.82 0.00
QUENSBRY_115KV_TB8 356137	38.60 1.12 0.00	33.08 1.08 0.00	32.52 1.13 0.00	31.39 1.03 0.00	34.65 1.20 0.00	78.03 1.58 -41.84	182.34 2.89 -141.85	221.21 2.98 -179.23	122.13 2.74 -83.41	32.19 1.88 0.00	37.58 2.22 0.00	39.29 2.21 0.00	41.24 2.05 0.00	42.36 2.11 0.00	40.91 2.00 0.00	38.89 2.06 0.00	36.33 2.29 0.00	38.37 2.46 0.00	36.92 2.27 0.00	39.07 2.15 0.00	41.25 1.97 0.00	38.73 2.02 0.00	33.97 1.61 0.00	31.20 1.29 0.00
RAMAPO___LBMP 323565	38.02 0.54 0.00	32.55 0.54 0.00	31.88 0.49 0.00	30.80 0.43 0.00	34.05 0.59 0.00	35.54 0.94 0.00	39.57 1.96 0.00	47.18 2.22 -5.96	37.85 1.86 0.00	31.51 1.20 0.00	36.77 1.41 0.00	38.85 1.78 0.00	41.17 1.98 0.00	42.33 2.07 0.00	41.03 2.12 0.00	39.05 2.22 0.00	36.57 2.53 0.00	38.73 2.81 0.00	37.26 2.61 0.00	39.29 2.38 0.00	41.58 2.30 0.00	38.85 2.14 0.00	34.06 1.70 0.00	31.21 1.31 0.00
RANKINE____ 23646	37.75 0.27 0.00	31.78 -0.23 0.00	31.57 0.18 0.00	30.57 0.20 0.00	33.76 0.31 0.00	34.69 0.09 0.00	37.69 0.09 0.00	40.53 -0.23 -1.76	36.69 0.70 0.00	31.01 0.70 0.00	35.91 0.55 0.00	37.56 0.49 0.00	39.67 0.48 0.00	40.74 0.49 0.00	39.30 0.39 0.00	36.90 0.07 0.00	34.30 0.27 0.00	36.41 0.50 0.00	34.56 -0.09 0.00	37.15 0.23 0.00	39.04 -0.25 0.00	36.48 -0.23 0.00	32.40 0.04 0.00	30.43 0.53 0.00
RAVENSWOOD_GT2_1 24244	38.45 0.97 0.00	32.90 0.89 0.00	32.22 0.83 0.00	31.10 0.74 0.00	34.36 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.70 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.36 2.00 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT2_2 24245	38.45 0.97 0.00	32.90 0.89 0.00	32.22 0.83 0.00	31.10 0.74 0.00	34.36 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.70 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.36 2.00 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT2_3 24246	38.47 0.99 0.00	32.91 0.91 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.28 -3.70	52.53 2.38 -12.54	61.83 2.73 -20.09	45.72 2.35 -7.37	32.01 1.70 0.00	37.38 2.03 0.00	39.49 2.41 0.00	41.83 2.65 0.00	43.04 2.79 0.00	41.75 2.84 0.00	39.80 2.97 0.00	37.28 3.24 0.00	39.48 3.57 0.00	37.96 3.31 0.00	40.01 3.10 0.00	42.32 3.03 0.00	39.53 2.82 0.00	34.65 2.29 0.00	31.71 1.80 0.00
RAVENSWOOD_GT2_4 24247	38.47 0.99 0.00	32.91 0.91 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.28 -3.70	52.53 2.38 -12.54	61.83 2.73 -20.09	45.72 2.35 -7.37	32.01 1.70 0.00	37.38 2.03 0.00	39.49 2.41 0.00	41.83 2.65 0.00	43.04 2.79 0.00	41.75 2.84 0.00	39.80 2.97 0.00	37.28 3.24 0.00	39.48 3.57 0.00	37.96 3.31 0.00	40.01 3.10 0.00	42.32 3.03 0.00	39.53 2.82 0.00	34.65 2.29 0.00	31.71 1.80 0.00
RAVENSWOOD_GT3_1 24248	38.45 0.98 0.00	32.90 0.89 0.00	32.22 0.83 0.00	31.11 0.74 0.00	34.36 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.70 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.64 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT3_2 24249	38.45 0.98 0.00	32.90 0.89 0.00	32.22 0.83 0.00	31.11 0.74 0.00	34.36 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.70 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.64 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT3_3 24250	38.50 1.03 0.00	32.94 0.94 0.00	32.27 0.87 0.00	31.15 0.78 0.00	34.41 0.95 0.00	39.62 1.31 -3.70	52.56 2.42 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.04 1.73 0.00	37.43 2.07 0.00	39.54 2.47 0.00	41.88 2.70 0.00	43.09 2.84 0.00	41.79 2.88 0.00	39.85 3.01 0.00	37.33 3.29 0.00	39.53 3.62 0.00	38.01 3.35 0.00	40.06 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.32 0.00	31.74 1.83 0.00
RAVENSWOOD_GT3_4 24251	38.50 1.03 0.00	32.94 0.94 0.00	32.27 0.87 0.00	31.15 0.78 0.00	34.41 0.95 0.00	39.62 1.31 -3.70	52.56 2.42 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.04 1.73 0.00	37.43 2.07 0.00	39.54 2.47 0.00	41.88 2.70 0.00	43.09 2.84 0.00	41.79 2.88 0.00	39.85 3.01 0.00	37.33 3.29 0.00	39.53 3.62 0.00	38.01 3.35 0.00	40.06 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.32 0.00	31.74 1.83 0.00



RAVENSWOOD_GT_1 23729	38.48 1.00 0.00	32.94 0.93 0.00	32.26 0.86 0.00	31.14 0.77 0.00	34.39 0.94 0.00	39.62 1.31 -3.70	52.56 2.41 -12.54	61.89 2.80 -20.09	45.78 2.41 -7.37	32.04 1.74 0.00	37.43 2.07 0.00	39.55 2.48 0.00	41.92 2.73 0.00	43.15 2.90 0.00	41.86 2.95 0.00	39.90 3.07 0.00	37.38 3.34 0.00	39.58 3.66 0.00	38.05 3.40 0.00	40.10 3.19 0.00	42.42 3.14 0.00	39.62 2.91 0.00	34.71 2.35 0.00	31.74 1.84 0.00
RAVENSWOOD_GT_10 24258	38.45 0.98 0.00	32.90 0.90 0.00	32.23 0.83 0.00	31.11 0.74 0.00	34.37 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.71 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT_11 24259	38.45 0.98 0.00	32.90 0.90 0.00	32.23 0.83 0.00	31.11 0.74 0.00	34.37 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.71 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT_4 24252	38.46 0.99 0.00	32.90 0.90 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.27 -3.70	52.52 2.37 -12.54	61.82 2.72 -20.09	45.70 2.34 -7.37	31.99 1.69 0.00	37.37 2.02 0.00	39.48 2.41 0.00	41.82 2.64 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.71 1.80 0.00
RAVENSWOOD_GT_5 24254	38.46 0.99 0.00	32.90 0.90 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.27 -3.70	52.52 2.37 -12.54	61.82 2.72 -20.09	45.70 2.34 -7.37	31.99 1.69 0.00	37.37 2.02 0.00	39.48 2.41 0.00	41.82 2.64 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.71 1.80 0.00
RAVENSWOOD_GT_6 24253	38.46 0.99 0.00	32.90 0.90 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.27 -3.70	52.52 2.37 -12.54	61.82 2.72 -20.09	45.70 2.34 -7.37	31.99 1.69 0.00	37.37 2.02 0.00	39.48 2.41 0.00	41.82 2.64 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.71 1.80 0.00
RAVENSWOOD_GT_7 24255	38.46 0.99 0.00	32.90 0.90 0.00	32.24 0.84 0.00	31.12 0.75 0.00	34.37 0.92 0.00	39.58 1.27 -3.70	52.52 2.37 -12.54	61.82 2.72 -20.09	45.70 2.34 -7.37	31.99 1.69 0.00	37.37 2.02 0.00	39.48 2.41 0.00	41.82 2.64 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.71 1.80 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	38.45 0.98 0.00	32.90 0.90 0.00	32.23 0.83 0.00	31.11 0.74 0.00	34.37 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.71 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD_GT_9 24257	38.45 0.98 0.00	32.90 0.90 0.00	32.23 0.83 0.00	31.11 0.74 0.00	34.37 0.91 0.00	39.56 1.26 -3.70	52.51 2.37 -12.54	61.80 2.71 -20.09	45.70 2.33 -7.37	31.99 1.68 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.81 2.62 0.00	43.01 2.76 0.00	41.73 2.82 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.46 3.55 0.00	37.95 3.29 0.00	39.99 3.07 0.00	42.30 3.01 0.00	39.51 2.79 0.00	34.63 2.27 0.00	31.69 1.79 0.00
RAVENSWOOD___1 23533	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.80 0.00	31.08 0.71 0.00	34.32 0.87 0.00	39.55 1.24 -3.70	52.47 2.32 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.36 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.04 2.79 0.00	41.75 2.85 0.00	39.80 2.97 0.00	37.29 3.26 0.00	39.48 3.57 0.00	37.97 3.31 0.00	40.01 3.09 0.00	42.33 3.04 0.00	39.54 2.83 0.00	34.64 2.28 0.00	31.67 1.77 0.00
RAVENSWOOD___2 23534	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.80 0.00	31.08 0.71 0.00	34.32 0.87 0.00	39.55 1.24 -3.70	52.47 2.32 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.36 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.04 2.79 0.00	41.75 2.85 0.00	39.80 2.97 0.00	37.29 3.26 0.00	39.48 3.57 0.00	37.97 3.31 0.00	40.01 3.09 0.00	42.33 3.04 0.00	39.54 2.83 0.00	34.64 2.28 0.00	31.67 1.77 0.00
RAVENSWOOD___3 23535	38.45 0.97 0.00	32.90 0.90 0.00	32.22 0.83 0.00	31.11 0.74 0.00	34.36 0.90 0.00	39.57 1.27 -3.70	52.51 2.36 -12.54	61.80 2.71 -20.09	45.68 2.32 -7.37	31.98 1.67 0.00	37.37 2.01 0.00	39.47 2.40 0.00	41.82 2.63 0.00	43.02 2.77 0.00	41.74 2.83 0.00	39.78 2.95 0.00	37.27 3.23 0.00	39.47 3.56 0.00	37.94 3.29 0.00	39.99 3.07 0.00	42.30 3.02 0.00	39.51 2.80 0.00	34.64 2.28 0.00	31.69 1.79 0.00
RAVENSWOOD___4 23820	38.40 0.92 0.00	32.87 0.86 0.00	32.19 0.80 0.00	31.08 0.71 0.00	34.32 0.87 0.00	39.55 1.24 -3.70	52.47 2.32 -12.54	61.78 2.69 -20.09	45.67 2.31 -7.37	31.97 1.66 0.00	37.36 2.00 0.00	39.47 2.39 0.00	41.83 2.64 0.00	43.04 2.79 0.00	41.75 2.85 0.00	39.80 2.97 0.00	37.29 3.26 0.00	39.48 3.57 0.00	37.97 3.31 0.00	40.01 3.09 0.00	42.33 3.04 0.00	39.54 2.83 0.00	34.64 2.28 0.00	31.67 1.77 0.00
RCPI_TRUST___DRP 24196	38.49 1.01 0.00	32.93 0.92 0.00	32.27 0.88 0.00	31.15 0.78 0.00	34.40 0.95 0.00	39.60 1.30 -3.70	52.58 2.44 -12.54	61.87 2.78 -20.09	45.76 2.40 -7.37	32.06 1.75 0.00	37.43 2.08 0.00	39.55 2.47 0.00	41.91 2.72 0.00	43.11 2.86 0.00	41.82 2.91 0.00	39.87 3.03 0.00	37.34 3.30 0.00	39.54 3.63 0.00	38.01 3.36 0.00	40.05 3.14 0.00	42.36 3.08 0.00	39.57 2.86 0.00	34.69 2.32 0.00	31.74 1.83 0.00
RED___ROCHESTER 323720	31.26 -0.08 6.14	30.64 -0.39 0.98	30.29 -0.18 0.93	29.08 -0.15 1.14	31.83 -0.08 1.55	32.37 -0.21 2.03	37.18 -0.09 0.33	40.24 -0.08 -1.32	32.84 0.36 3.51	29.86 0.43 0.87	35.71 0.35 0.00	37.34 0.27 0.00	39.43 0.24 0.00	40.49 0.24 0.00	39.08 0.18 0.00	36.85 0.02 0.00	34.27 0.23 0.00	36.32 0.41 0.00	34.65 0.00 0.00	36.68 0.16 0.39	38.40 -0.17 0.71	36.26 -0.25 0.21	30.99 -0.13 1.25	29.43 0.13 0.60



REGAN___SOLAR 323812	41.01 3.54 0.00	34.95 2.95 0.00	34.25 2.86 0.00	33.13 2.77 0.00	36.66 3.20 0.00	46.64 3.59 -8.45	70.55 4.28 -28.66	96.54 4.67 -52.87	57.23 4.39 -16.85	33.86 3.56 0.00	39.42 4.06 0.00	41.25 4.17 0.00	43.44 4.25 0.00	44.64 4.39 0.00	43.33 4.42 0.00	41.14 4.31 0.00	38.46 4.43 0.00	40.69 4.78 0.00	39.14 4.49 0.00	41.71 4.80 0.00	44.11 4.83 0.00	40.99 4.28 0.00	35.95 3.59 0.00	33.04 3.14 0.00
RENSSELAER___COGEN 23796	37.77 0.29 0.00	32.34 0.33 0.00	31.67 0.28 0.00	30.60 0.24 0.00	33.72 0.27 0.00	17.46 0.40 17.54	-21.27 0.59 59.46	-11.32 0.67 50.99	1.48 0.44 34.96	30.47 0.17 0.00	35.77 0.41 0.00	37.57 0.50 0.00	39.75 0.56 0.00	40.84 0.59 0.00	39.54 0.64 0.00	37.56 0.72 0.00	34.97 0.94 0.00	36.99 1.08 0.00	35.64 0.99 0.00	37.81 0.90 0.00	40.11 0.82 0.00	37.46 0.75 0.00	32.96 0.59 0.00	30.34 0.43 0.00
REPUBLIC_115KV_BARTNBRK 55605	39.79 2.31 0.00	34.24 2.23 0.00	33.60 2.21 0.00	32.31 1.94 0.00	35.63 2.17 0.00	81.15 2.77 -43.77	191.37 5.39 -148.37	230.56 5.21 -186.35	128.24 5.01 -87.25	33.78 3.48 0.00	39.22 3.86 0.00	41.32 4.25 0.00	43.33 4.14 0.00	44.52 4.27 0.00	42.92 4.01 0.00	40.83 3.99 0.00	38.37 4.34 0.00	40.48 4.57 0.00	38.83 4.17 0.00	40.96 4.05 0.00	42.77 3.49 0.00	40.08 3.37 0.00	35.26 2.89 0.00	32.14 2.24 0.00
REVERE_CPPR_DRP 24186	38.68 1.20 0.00	32.99 0.98 0.00	32.39 0.99 0.00	31.35 0.99 0.00	34.61 1.16 0.00	35.92 1.31 0.00	39.38 1.78 0.00	41.46 1.94 -0.52	37.97 1.98 0.00	32.02 1.71 0.00	37.31 1.95 0.00	39.11 2.04 0.00	41.26 2.07 0.00	42.36 2.11 0.00	40.97 2.06 0.00	38.81 1.97 0.00	36.07 2.03 0.00	38.03 2.12 0.00	36.61 1.95 0.00	38.95 2.04 0.00	41.29 2.01 0.00	38.52 1.81 0.00	33.81 1.44 0.00	31.14 1.23 0.00
REYNOLDS_115KV_TB3 80639	38.11 0.63 0.00	32.63 0.63 0.00	31.93 0.54 0.00	30.87 0.50 0.00	34.02 0.57 0.00	12.18 0.69 23.11	-39.91 0.84 78.36	-30.85 0.95 70.81	-9.37 0.71 46.07	30.69 0.38 0.00	36.05 0.69 0.00	37.87 0.79 0.00	40.07 0.88 0.00	41.16 0.91 0.00	39.85 0.95 0.00	37.85 1.02 0.00	35.22 1.19 0.00	37.24 1.33 0.00	35.88 1.23 0.00	38.08 1.16 0.00	40.40 1.11 0.00	37.74 1.03 0.00	33.18 0.82 0.00	30.54 0.63 0.00
RIVERBAY____ 323610	38.68 1.21 0.00	33.14 1.13 0.00	32.49 1.10 0.00	31.43 1.06 0.00	34.74 1.29 0.00	39.98 1.67 -3.70	52.85 2.71 -12.54	62.18 3.09 -20.09	46.00 2.64 -7.37	32.20 1.89 0.00	37.61 2.25 0.00	39.66 2.58 0.00	42.05 2.87 0.00	43.19 2.94 0.00	41.88 2.97 0.00	39.93 3.10 0.00	37.43 3.40 0.00	39.67 3.75 0.00	38.13 3.47 0.00	40.15 3.23 0.00	42.48 3.20 0.00	39.66 2.95 0.00	34.78 2.42 0.00	31.86 1.95 0.00
RIVERSDE_115KV_TB3 55908	37.96 0.48 0.00	32.50 0.49 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.89 0.44 0.00	16.23 0.56 18.94	-25.82 0.77 64.20	-15.16 0.89 55.06	-1.10 0.66 37.75	30.63 0.32 0.00	35.96 0.61 0.00	37.78 0.71 0.00	39.97 0.78 0.00	41.07 0.82 0.00	39.77 0.86 0.00	37.78 0.94 0.00	35.17 1.13 0.00	37.19 1.27 0.00	35.83 1.17 0.00	38.00 1.09 0.00	40.30 1.01 0.00	37.65 0.93 0.00	33.11 0.75 0.00	30.48 0.57 0.00
ROARING___BROOK_WT_PWR 323790	37.72 0.25 0.00	32.22 0.21 0.00	31.58 0.18 0.00	30.56 0.19 0.00	33.66 0.20 0.00	34.74 0.14 0.00	37.58 -0.03 0.00	38.96 -0.04 0.00	35.94 -0.05 0.00	30.34 0.04 0.00	35.40 0.04 0.00	37.06 -0.02 0.00	39.16 -0.03 0.00	40.21 -0.04 0.00	38.86 -0.05 0.00	36.72 -0.12 0.00	33.81 -0.22 0.00	35.59 -0.32 0.00	34.42 -0.23 0.00	36.73 -0.18 0.00	39.18 -0.10 0.00	36.64 -0.08 0.00	32.37 0.01 0.00	29.95 0.05 0.00
ROCHESRG_115KV_T4 355643	37.00 -0.47 0.00	31.31 -0.70 0.00	30.93 -0.47 0.00	29.93 -0.44 0.00	33.03 -0.42 0.00	34.03 -0.57 0.00	37.11 -0.49 0.00	39.68 -0.64 -1.31	35.89 -0.09 0.00	30.33 0.02 0.00	35.25 -0.10 0.00	36.86 -0.21 0.00	38.92 -0.27 0.00	39.97 -0.27 0.00	38.59 -0.32 0.00	36.38 -0.46 0.00	33.80 -0.24 0.00	35.81 -0.11 0.00	34.15 -0.50 0.00	36.55 -0.36 0.00	38.58 -0.70 0.00	36.01 -0.70 0.00	31.85 -0.51 0.00	29.70 -0.21 0.00
ROCHESTER_9_IC 23652	37.22 -0.26 0.00	31.48 -0.52 0.00	31.09 -0.30 0.00	30.10 -0.27 0.00	33.22 -0.24 0.00	34.24 -0.36 0.00	37.35 -0.25 0.00	39.96 -0.36 -1.32	36.16 0.17 0.00	30.55 0.24 0.00	35.51 0.15 0.00	37.14 0.07 0.00	39.20 0.01 0.00	40.26 0.01 0.00	38.87 -0.04 0.00	36.64 -0.19 0.00	34.06 0.02 0.00	36.09 0.18 0.00	34.42 -0.23 0.00	36.84 -0.07 0.00	38.88 -0.41 0.00	36.26 -0.45 0.00	32.07 -0.29 0.00	29.89 -0.02 0.00
ROCKVIEW_13_KV_LD 356306	38.56 1.09 0.00	33.00 0.99 0.00	32.30 0.91 0.00	31.18 0.81 0.00	34.45 1.00 0.00	39.66 1.36 -3.70	52.62 2.47 -12.54	61.89 2.80 -20.09	45.78 2.42 -7.37	32.05 1.74 0.00	37.46 2.10 0.00	39.55 2.47 0.00	41.90 2.72 0.00	43.09 2.84 0.00	41.78 2.88 0.00	39.83 3.00 0.00	37.31 3.28 0.00	39.52 3.61 0.00	38.01 3.35 0.00	40.08 3.17 0.00	42.40 3.12 0.00	39.61 2.89 0.00	34.70 2.34 0.00	31.76 1.85 0.00
ROME____115KV_TB2 80656	38.68 1.20 0.00	32.99 0.98 0.00	32.39 0.99 0.00	31.35 0.99 0.00	34.61 1.16 0.00	35.92 1.31 0.00	39.38 1.78 0.00	41.46 1.94 -0.52	37.97 1.98 0.00	32.02 1.71 0.00	37.31 1.95 0.00	39.11 2.04 0.00	41.26 2.07 0.00	42.36 2.11 0.00	40.97 2.06 0.00	38.81 1.97 0.00	36.07 2.03 0.00	38.03 2.12 0.00	36.61 1.95 0.00	38.95 2.04 0.00	41.29 2.01 0.00	38.52 1.81 0.00	33.81 1.44 0.00	31.14 1.23 0.00
ROSETON___1 23587	38.20 0.72 0.00	32.71 0.71 0.00	32.03 0.64 0.00	30.94 0.57 0.00	34.16 0.71 0.00	39.21 1.03 -3.58	51.72 1.99 -12.13	60.80 2.26 -19.54	45.04 1.92 -7.13	31.65 1.34 0.00	37.03 1.67 0.00	39.06 1.99 0.00	41.37 2.18 0.00	42.54 2.29 0.00	41.24 2.33 0.00	39.27 2.43 0.00	36.75 2.71 0.00	38.92 3.00 0.00	37.44 2.78 0.00	39.53 2.62 0.00	41.83 2.55 0.00	39.08 2.37 0.00	34.28 1.92 0.00	31.42 1.51 0.00
ROSETON___2 23588	38.20 0.72 0.00	32.71 0.71 0.00	32.03 0.64 0.00	30.94 0.57 0.00	34.16 0.71 0.00	39.21 1.03 -3.58	51.72 1.99 -12.13	60.80 2.26 -19.54	45.04 1.92 -7.13	31.65 1.34 0.00	37.03 1.67 0.00	39.06 1.99 0.00	41.37 2.18 0.00	42.54 2.29 0.00	41.24 2.33 0.00	39.27 2.43 0.00	36.75 2.71 0.00	38.92 3.00 0.00	37.44 2.78 0.00	39.53 2.62 0.00	41.83 2.55 0.00	39.08 2.37 0.00	34.28 1.92 0.00	31.42 1.51 0.00
ROTTDRAM_115KV_TB3 80664	38.40 0.92 0.00	32.86 0.85 0.00	32.19 0.80 0.00	31.12 0.75 0.00	34.32 0.87 0.00	45.34 1.06 -9.68	71.88 1.47 -32.80	100.76 1.62 -60.13	56.69 1.42 -19.29	31.31 1.00 0.00	36.65 1.29 0.00	38.45 1.38 0.00	40.65 1.46 0.00	41.75 1.50 0.00	40.41 1.50 0.00	38.36 1.53 0.00	35.67 1.63 0.00	37.74 1.82 0.00	36.36 1.70 0.00	38.59 1.68 0.00	40.94 1.65 0.00	38.25 1.54 0.00	33.61 1.25 0.00	30.93 1.03 0.00



RUSSELL___1 23602	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00
RUSSELL___2 23532	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00
RUSSELL___3 23549	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00
RUSSELL___4 23556	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00
RUSSELL___STATION 23914	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00
S SALMON___HYD 24043	36.62 -0.85 0.00	31.19 -0.82 0.00	30.61 -0.78 0.00	29.63 -0.74 0.00	32.69 -0.76 0.00	33.86 -0.74 0.00	37.08 -0.52 0.00	39.42 -0.47 -0.89	35.66 -0.32 0.00	30.04 -0.27 0.00	34.99 -0.37 0.00	36.70 -0.37 0.00	38.73 -0.46 0.00	39.75 -0.51 0.00	38.41 -0.50 0.00	36.33 -0.50 0.00	33.75 -0.28 0.00	35.70 -0.21 0.00	34.34 -0.31 0.00	36.55 -0.36 0.00	38.75 -0.53 0.00	36.15 -0.57 0.00	31.77 -0.59 0.00	29.31 -0.59 0.00
S.PERRY___115KV_TB1 80734	38.47 0.99 0.00	32.48 0.47 0.00	32.13 0.74 0.00	31.15 0.79 0.00	34.44 0.98 0.00	35.60 1.00 0.00	39.09 1.49 0.00	42.34 1.50 -1.84	38.10 2.11 0.00	32.17 1.87 0.00	37.30 1.94 0.00	39.02 1.95 0.00	41.20 2.02 0.00	42.28 2.03 0.00	40.86 1.95 0.00	38.53 1.70 0.00	35.94 1.90 0.00	38.15 2.24 0.00	36.40 1.74 0.00	38.91 2.00 0.00	40.90 1.62 0.00	38.12 1.41 0.00	33.60 1.24 0.00	31.29 1.38 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	37.26 -0.22 0.00	31.35 -0.66 0.00	31.15 -0.25 0.00	30.14 -0.22 0.00	33.28 -0.18 0.00	34.18 -0.43 0.00	37.05 -0.56 0.00	39.79 -0.93 -1.72	35.99 0.00 0.00	30.46 0.15 0.00	35.27 -0.08 0.00	36.84 -0.24 0.00	38.90 -0.29 0.00	39.97 -0.28 0.00	38.53 -0.37 0.00	36.17 -0.66 0.00	33.61 -0.43 0.00	35.64 -0.27 0.00	33.82 -0.83 0.00	36.38 -0.53 0.00	38.27 -1.02 0.00	35.76 -0.95 0.00	31.82 -0.55 0.00	29.95 0.04 0.00
SAWYER___23_KV_LOAD 55526	37.26 -0.22 0.00	31.35 -0.66 0.00	31.15 -0.25 0.00	30.14 -0.22 0.00	33.28 -0.18 0.00	34.18 -0.43 0.00	37.05 -0.56 0.00	39.79 -0.93 -1.72	35.99 0.00 0.00	30.46 0.15 0.00	35.27 -0.08 0.00	36.84 -0.24 0.00	38.90 -0.29 0.00	39.97 -0.28 0.00	38.53 -0.37 0.00	36.17 -0.66 0.00	33.61 -0.43 0.00	35.64 -0.27 0.00	33.82 -0.83 0.00	36.38 -0.53 0.00	38.27 -1.02 0.00	35.76 -0.95 0.00	31.82 -0.55 0.00	29.95 0.04 0.00
SELKIRK___I 23801	38.25 0.77 0.00	32.75 0.75 0.00	32.09 0.70 0.00	31.02 0.65 0.00	34.19 0.73 0.00	25.50 0.86 9.96	4.83 1.00 33.77	14.93 1.07 25.14	16.98 0.86 19.86	30.86 0.55 0.00	36.16 0.81 0.00	37.97 0.90 0.00	40.14 0.95 0.00	41.23 0.98 0.00	39.92 1.02 0.00	37.92 1.08 0.00	35.24 1.21 0.00	37.30 1.39 0.00	35.95 1.29 0.00	38.20 1.29 0.00	40.54 1.26 0.00	37.87 1.16 0.00	33.32 0.95 0.00	30.70 0.79 0.00
SELKIRK___II 23799	37.96 0.48 0.00	32.49 0.48 0.00	31.82 0.43 0.00	30.76 0.39 0.00	33.90 0.45 0.00	23.76 0.59 11.43	-0.38 0.77 38.76	9.82 0.87 30.05	13.86 0.66 22.79	30.68 0.37 0.00	35.97 0.61 0.00	37.78 0.71 0.00	39.96 0.77 0.00	41.06 0.81 0.00	39.76 0.85 0.00	37.76 0.93 0.00	35.13 1.10 0.00	37.17 1.26 0.00	35.83 1.17 0.00	38.03 1.11 0.00	40.33 1.04 0.00	37.67 0.96 0.00	33.14 0.78 0.00	30.51 0.60 0.00
SENECA OSWGO___HYD 24041	36.57 -0.91 0.00	31.13 -0.87 0.00	30.56 -0.83 0.00	29.59 -0.77 0.00	32.63 -0.83 0.00	33.76 -0.85 0.00	36.91 -0.69 0.00	39.33 -0.69 -1.01	35.45 -0.54 0.00	29.84 -0.46 0.00	34.77 -0.59 0.00	36.47 -0.60 0.00	38.50 -0.69 0.00	39.51 -0.74 0.00	38.18 -0.73 0.00	36.17 -0.66 0.00	33.60 -0.43 0.00	35.54 -0.37 0.00	34.18 -0.48 0.00	36.37 -0.55 0.00	38.52 -0.76 0.00	35.95 -0.76 0.00	31.64 -0.72 0.00	29.25 -0.66 0.00
SENECA___115KV_TB3 355854	37.81 0.34 0.00	31.83 -0.18 0.00	31.63 0.23 0.00	30.62 0.25 0.00	33.81 0.36 0.00	34.76 0.15 0.00	37.76 0.16 0.00	40.60 -0.15 -1.76	36.76 0.77 0.00	31.07 0.76 0.00	35.98 0.62 0.00	37.64 0.56 0.00	39.75 0.56 0.00	40.83 0.57 0.00	39.37 0.47 0.00	36.98 0.14 0.00	34.37 0.34 0.00	36.49 0.58 0.00	34.64 -0.01 0.00	37.22 0.30 0.00	39.11 -0.17 0.00	36.55 -0.16 0.00	32.46 0.10 0.00	30.49 0.58 0.00
SENECA___ENERGY 23797	37.10 -0.38 0.00	31.52 -0.49 0.00	30.99 -0.40 0.00	30.01 -0.36 0.00	33.18 -0.28 0.00	34.37 -0.23 0.00	37.75 0.14 0.00	40.47 0.12 -1.35	36.39 0.40 0.00	30.63 0.32 0.00	35.61 0.25 0.00	37.54 0.46 0.00	39.53 0.34 0.00	40.61 0.36 0.00	39.26 0.35 0.00	37.17 0.34 0.00	34.57 0.54 0.00	36.65 0.74 0.00	35.13 0.48 0.00	37.37 0.45 0.00	39.45 0.17 0.00	36.84 0.13 0.00	32.42 0.06 0.00	30.03 0.13 0.00
SHOEMAKER___GT 23640	38.08 0.61 0.00	32.57 0.57 0.00	31.91 0.52 0.00	30.83 0.47 0.00	34.05 0.60 0.00	35.51 0.90 0.00	39.35 1.75 0.00	46.71 1.98 -5.73	37.66 1.67 0.00	31.47 1.16 0.00	36.73 1.38 0.00	38.71 1.64 0.00	41.03 1.84 0.00	42.21 1.95 0.00	40.88 1.97 0.00	38.87 2.03 0.00	36.34 2.30 0.00	38.49 2.57 0.00	37.04 2.38 0.00	39.14 2.23 0.00	41.46 2.18 0.00	38.73 2.02 0.00	33.99 1.62 0.00	31.17 1.27 0.00



SHOEMAKR_138KV_BK 111 55601	38.05 0.57 0.00	32.55 0.54 0.00	31.89 0.49 0.00	30.81 0.44 0.00	34.03 0.58 0.00	35.48 0.87 0.00	39.33 1.73 0.00	46.65 1.95 -5.70	37.66 1.67 0.00	31.44 1.13 0.00	36.71 1.35 0.00	38.70 1.63 0.00	41.01 1.82 0.00	42.18 1.92 0.00	40.85 1.95 0.00	38.85 2.01 0.00	36.33 2.29 0.00	38.47 2.56 0.00	37.02 2.37 0.00	39.12 2.21 0.00	41.43 2.14 0.00	38.71 1.99 0.00	33.96 1.59 0.00	31.15 1.24 0.00
SHOREHAM_IC_1 23715	40.22 2.75 0.00	34.18 2.18 0.00	33.57 2.18 0.00	32.38 2.01 0.00	35.87 2.42 0.00	46.56 3.15 -8.81	54.51 4.37 -12.54	63.74 4.64 -20.10	47.35 3.99 -7.38	33.25 2.95 0.00	38.80 3.45 0.00	41.01 3.93 0.00	43.37 4.18 0.00	44.59 4.35 0.00	43.27 4.36 0.00	41.67 4.83 0.00	39.21 5.17 0.00	41.44 5.53 0.00	39.66 5.01 0.00	41.87 4.96 0.00	44.33 5.04 0.00	41.57 4.85 0.00	36.42 4.06 0.00	33.27 3.36 0.00
SHOREHAM_IC_2 23716	40.22 2.75 0.00	34.18 2.18 0.00	33.57 2.18 0.00	32.38 2.01 0.00	35.87 2.42 0.00	46.56 3.15 -8.81	54.51 4.37 -12.54	63.74 4.64 -20.10	47.35 3.99 -7.38	33.25 2.95 0.00	38.80 3.45 0.00	41.01 3.93 0.00	43.37 4.18 0.00	44.59 4.35 0.00	43.27 4.36 0.00	41.67 4.83 0.00	39.21 5.17 0.00	41.44 5.53 0.00	39.66 5.01 0.00	41.87 4.96 0.00	44.33 5.04 0.00	41.57 4.85 0.00	36.42 4.06 0.00	33.27 3.36 0.00
SISSONVILLE____ 23735	38.57 1.09 0.00	33.10 1.10 0.00	32.48 1.08 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.69 0.00	37.72 0.12 0.00	39.14 0.14 0.00	36.02 0.03 0.00	30.58 0.27 0.00	35.85 0.49 0.00	37.45 0.37 0.00	39.59 0.40 0.00	40.71 0.46 0.00	39.21 0.30 0.00	36.56 -0.27 0.00	33.38 -0.65 0.00	34.78 -1.14 0.00	34.04 -0.62 0.00	36.50 -0.41 0.00	39.20 -0.08 0.00	36.98 0.27 0.00	32.82 0.46 0.00	30.41 0.50 0.00
SITHE_IND_GS1 24169	36.11 -1.36 0.00	30.78 -1.23 0.00	30.22 -1.18 0.00	29.24 -1.13 0.00	32.21 -1.24 0.00	33.28 -1.32 0.00	36.32 -1.28 0.00	38.54 -1.31 -0.85	34.86 -1.13 0.00	29.35 -0.95 0.00	34.21 -1.15 0.00	35.89 -1.19 0.00	37.89 -1.30 0.00	38.91 -1.34 0.00	37.61 -1.29 0.00	35.63 -1.21 0.00	33.03 -1.00 0.00	34.92 -0.99 0.00	33.60 -1.05 0.00	35.77 -1.14 0.00	37.93 -1.36 0.00	35.42 -1.29 0.00	31.21 -1.16 0.00	28.87 -1.03 0.00
SITHE_IND_GS2 24170	36.11 -1.36 0.00	30.78 -1.23 0.00	30.22 -1.18 0.00	29.24 -1.13 0.00	32.21 -1.24 0.00	33.28 -1.32 0.00	36.32 -1.28 0.00	38.54 -1.31 -0.85	34.86 -1.13 0.00	29.35 -0.95 0.00	34.21 -1.15 0.00	35.89 -1.19 0.00	37.89 -1.30 0.00	38.91 -1.34 0.00	37.61 -1.29 0.00	35.63 -1.21 0.00	33.03 -1.00 0.00	34.92 -0.99 0.00	33.60 -1.05 0.00	35.77 -1.14 0.00	37.93 -1.36 0.00	35.42 -1.29 0.00	31.21 -1.16 0.00	28.87 -1.03 0.00
SITHE_IND_GS3 24171	36.11 -1.36 0.00	30.78 -1.23 0.00	30.22 -1.18 0.00	29.24 -1.13 0.00	32.21 -1.24 0.00	33.28 -1.32 0.00	36.32 -1.28 0.00	38.54 -1.31 -0.85	34.86 -1.13 0.00	29.35 -0.95 0.00	34.21 -1.15 0.00	35.89 -1.19 0.00	37.89 -1.30 0.00	38.91 -1.34 0.00	37.61 -1.29 0.00	35.63 -1.21 0.00	33.03 -1.00 0.00	34.92 -0.99 0.00	33.60 -1.05 0.00	35.77 -1.14 0.00	37.93 -1.36 0.00	35.42 -1.29 0.00	31.21 -1.16 0.00	28.87 -1.03 0.00
SITHE_IND_GS4 24172	36.11 -1.36 0.00	30.78 -1.23 0.00	30.22 -1.18 0.00	29.24 -1.13 0.00	32.21 -1.24 0.00	33.28 -1.32 0.00	36.32 -1.28 0.00	38.54 -1.31 -0.85	34.86 -1.13 0.00	29.35 -0.95 0.00	34.21 -1.15 0.00	35.89 -1.19 0.00	37.89 -1.30 0.00	38.91 -1.34 0.00	37.61 -1.29 0.00	35.63 -1.21 0.00	33.03 -1.00 0.00	34.92 -0.99 0.00	33.60 -1.05 0.00	35.77 -1.14 0.00	37.93 -1.36 0.00	35.42 -1.29 0.00	31.21 -1.16 0.00	28.87 -1.03 0.00
SITHE____BATAVIA 24024	28.55 0.54 9.47	30.49 0.00 1.51	30.30 0.34 1.43	28.97 0.36 1.76	31.57 0.51 2.39	31.83 0.35 3.12	37.54 0.46 0.52	41.00 0.41 -1.60	31.60 1.03 5.42	30.00 1.03 1.35	36.31 0.96 0.00	37.88 0.81 0.00	39.94 0.76 0.00	41.08 0.83 0.00	39.65 0.74 0.00	37.30 0.46 0.00	34.72 0.69 0.00	36.83 0.92 0.00	35.01 0.35 0.00	36.96 0.64 0.60	38.40 0.21 1.10	36.50 0.11 0.32	30.70 0.26 1.92	29.66 0.68 0.92
SITHE____INDEPEND 23800	36.11 -1.37 0.00	30.78 -1.23 0.00	30.21 -1.18 0.00	29.24 -1.13 0.00	32.21 -1.25 0.00	33.28 -1.32 0.00	36.33 -1.28 0.00	38.52 -1.33 -0.85	34.87 -1.12 0.00	29.36 -0.95 0.00	34.21 -1.15 0.00	35.89 -1.19 0.00	37.89 -1.30 0.00	38.91 -1.34 0.00	37.62 -1.29 0.00	35.63 -1.20 0.00	33.03 -1.01 0.00	34.92 -0.99 0.00	33.60 -1.05 0.00	35.77 -1.14 0.00	37.93 -1.35 0.00	35.43 -1.29 0.00	31.21 -1.15 0.00	28.87 -1.03 0.00
SITHE____MASSENA 23902	38.53 1.05 0.00	33.05 1.04 0.00	32.42 1.03 0.00	31.38 1.02 0.00	34.49 1.04 0.00	35.33 0.72 0.00	37.93 0.33 0.00	39.29 0.28 0.00	36.22 0.23 0.00	30.70 0.39 0.00	35.82 0.46 0.00	37.43 0.36 0.00	39.58 0.39 0.00	40.68 0.43 0.00	39.23 0.32 0.00	36.89 0.05 0.00	33.77 -0.26 0.00	35.23 -0.68 0.00	34.38 -0.28 0.00	36.83 -0.09 0.00	39.43 0.15 0.00	36.96 0.25 0.00	32.74 0.38 0.00	30.35 0.44 0.00
SITHE____OGDNSBRG 24021	39.19 1.72 0.00	33.64 1.64 0.00	33.01 1.62 0.00	31.96 1.59 0.00	35.18 1.73 0.00	36.06 1.46 0.00	38.71 1.10 0.00	40.14 1.14 0.00	36.89 0.91 0.00	31.29 0.98 0.00	36.57 1.22 0.00	38.16 1.08 0.00	40.36 1.17 0.00	41.56 1.30 0.00	40.00 1.09 0.00	37.45 0.61 0.00	34.24 0.20 0.00	35.74 -0.17 0.00	35.01 0.36 0.00	37.60 0.69 0.00	40.26 0.98 0.00	37.78 1.06 0.00	33.46 1.09 0.00	30.98 1.08 0.00
SITHE____STERLING 23777	38.28 0.80 0.00	32.68 0.67 0.00	32.08 0.69 0.00	31.05 0.69 0.00	34.29 0.83 0.00	35.59 0.98 0.00	38.99 1.39 0.00	41.14 1.53 -0.61	37.56 1.57 0.00	31.64 1.33 0.00	36.86 1.50 0.00	38.67 1.59 0.00	40.82 1.63 0.00	41.91 1.66 0.00	40.53 1.63 0.00	38.41 1.58 0.00	35.68 1.64 0.00	37.61 1.70 0.00	36.19 1.53 0.00	38.48 1.57 0.00	40.79 1.51 0.00	38.05 1.34 0.00	33.42 1.06 0.00	30.81 0.91 0.00
SLEIGHT__34_KV_TB1 80719	37.00 -0.48 0.00	31.38 -0.62 0.00	30.88 -0.51 0.00	29.90 -0.47 0.00	33.03 -0.43 0.00	34.16 -0.44 0.00	37.41 -0.19 0.00	40.05 -0.25 -1.30	36.11 0.13 0.00	30.45 0.14 0.00	35.40 0.05 0.00	37.12 0.04 0.00	39.15 -0.04 0.00	40.20 -0.05 0.00	38.84 -0.07 0.00	36.69 -0.15 0.00	34.12 0.09 0.00	36.14 0.23 0.00	34.56 -0.09 0.00	36.89 -0.03 0.00	38.93 -0.35 0.00	36.30 -0.41 0.00	32.01 -0.35 0.00	29.72 -0.18 0.00
SOUTH CAIRO____GT 23612	39.55 2.07 0.00	33.81 1.81 0.00	33.12 1.73 0.00	32.02 1.65 0.00	35.35 1.90 0.00	27.34 2.11 9.36	8.38 2.53 31.75	18.19 2.74 23.55	19.65 2.34 18.67	32.04 1.73 0.00	37.58 2.22 0.00	39.42 2.35 0.00	41.65 2.46 0.00	42.75 2.50 0.00	41.48 2.57 0.00	39.41 2.58 0.00	36.72 2.68 0.00	38.94 3.03 0.00	37.53 2.88 0.00	39.91 2.99 0.00	42.28 2.99 0.00	39.39 2.68 0.00	34.53 2.17 0.00	31.77 1.86 0.00



SOUTH HAMPTN___IC 23720	40.74 3.27 0.00	34.61 2.60 0.00	34.01 2.61 0.00	32.81 2.44 0.00	36.37 2.92 0.00	47.12 3.70 -8.81	55.16 5.01 -12.54	64.44 5.34 -20.10	47.98 4.61 -7.38	33.74 3.43 0.00	39.37 4.02 0.00	41.64 4.57 0.00	44.07 4.88 0.00	45.30 5.06 0.00	43.97 5.06 0.00	42.34 5.51 0.00	39.88 5.84 0.00	42.15 6.24 0.00	40.33 5.67 0.00	42.57 5.66 0.00	45.00 5.72 0.00	41.94 5.23 0.00	36.75 4.38 0.00	33.56 3.65 0.00
SOUTHDOW_115KV_TB1 355954	38.81 1.34 0.00	32.60 0.59 0.00	32.47 1.08 0.00	31.36 0.99 0.00	34.73 1.27 0.00	35.81 1.20 0.00	39.15 1.55 0.00	42.28 1.45 -1.82	38.31 2.32 0.00	32.30 1.99 0.00	37.41 2.05 0.00	39.31 2.24 0.00	41.53 2.34 0.00	42.68 2.42 0.00	41.16 2.25 0.00	38.67 1.84 0.00	36.01 1.97 0.00	38.30 2.39 0.00	36.44 1.78 0.00	38.87 1.96 0.00	40.66 1.38 0.00	38.01 1.30 0.00	33.60 1.23 0.00	31.37 1.46 0.00
SOUTHOLD_69_KV_BK 2 55809	41.16 3.68 0.00	34.95 2.95 0.00	34.35 2.96 0.00	33.15 2.79 0.00	36.77 3.32 0.00	47.57 4.15 -8.81	55.68 5.54 -12.54	64.99 5.89 -20.10	48.49 5.12 -7.38	34.14 3.83 0.00	39.84 4.48 0.00	42.13 5.06 0.00	44.61 5.42 0.00	45.87 5.62 0.00	44.51 5.61 0.00	42.88 6.04 0.00	40.42 6.37 0.00	42.75 6.84 0.00	40.89 6.23 0.00	43.16 6.24 0.00	45.61 6.32 0.00	42.58 5.87 0.00	37.27 4.91 0.00	34.02 4.12 0.00
SOUTHOLD___IC 23719	41.16 3.69 0.00	34.95 2.94 0.00	34.35 2.96 0.00	33.15 2.79 0.00	36.76 3.30 0.00	47.55 4.13 -8.81	55.66 5.51 -12.54	64.98 5.88 -20.10	48.46 5.10 -7.38	34.14 3.83 0.00	39.84 4.48 0.00	42.14 5.06 0.00	44.62 5.43 0.00	45.87 5.62 0.00	44.53 5.62 0.00	42.87 6.03 0.00	40.42 6.38 0.00	42.75 6.84 0.00	40.89 6.23 0.00	43.16 6.24 0.00	45.60 6.32 0.00	42.59 5.87 0.00	37.28 4.91 0.00	34.02 4.11 0.00
SOUTH_FORK_WT_PWR 323839	41.26 3.79 0.00	35.03 3.03 0.00	34.44 3.04 0.00	33.24 2.87 0.00	36.86 3.41 0.00	47.65 4.24 -8.81	55.80 5.65 -12.54	65.10 6.01 -20.10	48.59 5.22 -7.38	34.22 3.91 0.00	39.95 4.59 0.00	42.25 5.17 0.00	44.74 5.55 0.00	46.00 5.76 0.00	44.65 5.75 0.00	43.00 6.17 0.00	40.54 6.50 0.00	42.88 6.97 0.00	41.00 6.35 0.00	43.28 6.37 0.00	45.74 6.45 0.00	42.64 5.93 0.00	37.32 4.96 0.00	34.07 4.16 0.00
SPIERFLS_115KV_TB 1 80737	38.35 0.87 0.00	32.87 0.86 0.00	32.32 0.92 0.00	31.21 0.84 0.00	34.45 0.99 0.00	76.18 1.33 -40.26	176.52 2.46 -136.46	214.90 2.56 -173.34	118.56 2.33 -80.24	31.89 1.58 0.00	37.26 1.90 0.00	38.89 1.82 0.00	40.83 1.65 0.00	41.93 1.68 0.00	40.51 1.61 0.00	38.50 1.67 0.00	35.94 1.91 0.00	37.98 2.06 0.00	36.56 1.90 0.00	38.69 1.78 0.00	40.92 1.64 0.00	38.44 1.73 0.00	33.71 1.34 0.00	30.99 1.09 0.00
ST LAWRENCE___ 23600	38.05 0.58 0.00	32.54 0.53 0.00	31.92 0.52 0.00	30.90 0.53 0.00	33.95 0.50 0.00	34.90 0.30 0.00	37.47 -0.13 0.00	38.82 -0.18 0.00	35.79 -0.20 0.00	30.34 0.03 0.00	35.37 0.01 0.00	36.96 -0.12 0.00	39.09 -0.11 0.00	40.16 -0.09 0.00	38.73 -0.18 0.00	36.48 -0.35 0.00	33.42 -0.61 0.00	35.06 -0.85 0.00	34.01 -0.65 0.00	36.41 -0.50 0.00	38.97 -0.31 0.00	36.48 -0.23 0.00	32.32 -0.05 0.00	29.96 0.05 0.00
STATE_CA_115KV_115_LB 55624	37.96 0.48 0.00	32.49 0.49 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.90 0.44 0.00	22.01 0.59 13.18	-6.25 0.83 44.69	7.60 0.98 32.37	10.47 0.75 26.28	30.71 0.40 0.00	36.04 0.68 0.00	37.87 0.80 0.00	40.06 0.87 0.00	41.16 0.91 0.00	39.85 0.95 0.00	37.86 1.03 0.00	35.27 1.23 0.00	37.29 1.38 0.00	35.92 1.26 0.00	38.10 1.18 0.00	40.38 1.09 0.00	37.72 1.00 0.00	33.16 0.79 0.00	30.52 0.61 0.00
STATE_ST_34_KV_LOAD 55959	37.47 -0.01 0.00	31.87 -0.13 0.00	31.24 -0.15 0.00	30.25 -0.12 0.00	33.47 0.02 0.00	34.72 0.12 0.00	38.12 0.52 0.00	40.78 0.44 -1.34	36.62 0.63 0.00	30.75 0.45 0.00	35.80 0.44 0.00	37.73 0.65 0.00	39.66 0.47 0.00	40.72 0.47 0.00	39.38 0.48 0.00	37.29 0.45 0.00	34.65 0.61 0.00	36.68 0.77 0.00	35.21 0.56 0.00	37.47 0.56 0.00	39.61 0.33 0.00	36.98 0.27 0.00	32.53 0.16 0.00	30.09 0.19 0.00
STATION 5_MISC_HYD 23604	31.09 -0.25 6.14	30.51 -0.52 0.98	30.16 -0.30 0.93	28.96 -0.27 1.14	31.69 -0.21 1.55	32.22 -0.36 2.03	37.00 -0.27 0.33	40.03 -0.29 -1.32	32.64 0.16 3.51	29.70 0.26 0.87	35.51 0.15 0.00	37.14 0.07 0.00	39.19 0.01 0.00	40.26 0.01 0.00	38.86 -0.05 0.00	36.64 -0.19 0.00	34.06 0.02 0.00	36.09 0.18 0.00	34.43 -0.22 0.00	36.45 -0.07 0.39	38.17 -0.40 0.71	36.06 -0.45 0.21	30.83 -0.29 1.24	29.29 -0.01 0.60
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	37.47 0.00 0.00	31.76 -0.24 0.00	31.31 -0.08 0.00	30.32 -0.05 0.00	33.49 0.03 0.00	34.64 0.03 0.00	37.94 0.33 0.00	40.59 0.27 -1.31	36.67 0.68 0.00	30.93 0.62 0.00	35.93 0.57 0.00	37.69 0.62 0.00	39.72 0.53 0.00	40.81 0.56 0.00	39.42 0.52 0.00	37.26 0.43 0.00	34.66 0.62 0.00	36.72 0.81 0.00	35.11 0.46 0.00	37.31 0.39 0.00	39.44 0.15 0.00	36.82 0.10 0.00	32.46 0.10 0.00	30.14 0.23 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	37.00 -0.48 0.00	31.31 -0.70 0.00	30.90 -0.49 0.00	29.92 -0.45 0.00	33.02 -0.44 0.00	34.05 -0.56 0.00	37.17 -0.44 0.00	39.78 -0.54 -1.31	35.97 -0.02 0.00	30.40 0.09 0.00	35.34 -0.02 0.00	36.97 -0.11 0.00	39.02 -0.17 0.00	40.08 -0.17 0.00	38.70 -0.21 0.00	36.49 -0.35 0.00	33.93 -0.11 0.00	35.94 0.03 0.00	34.29 -0.36 0.00	36.68 -0.24 0.00	38.70 -0.58 0.00	36.10 -0.62 0.00	31.90 -0.46 0.00	29.71 -0.20 0.00
STA_56___34_KV_BUS2 355983	37.00 -0.48 0.00	31.31 -0.70 0.00	30.90 -0.49 0.00	29.92 -0.45 0.00	33.02 -0.44 0.00	34.05 -0.56 0.00	37.17 -0.44 0.00	39.78 -0.54 -1.31	35.97 -0.02 0.00	30.40 0.09 0.00	35.34 -0.02 0.00	36.97 -0.11 0.00	39.02 -0.17 0.00	40.08 -0.17 0.00	38.70 -0.21 0.00	36.49 -0.35 0.00	33.93 -0.11 0.00	35.94 0.03 0.00	34.29 -0.36 0.00	36.68 -0.24 0.00	38.70 -0.58 0.00	36.10 -0.62 0.00	31.90 -0.46 0.00	29.71 -0.20 0.00
STA_67___115KV_BK2 355882	37.14 -0.34 0.00	31.43 -0.58 0.00	31.04 -0.36 0.00	30.04 -0.33 0.00	33.15 -0.30 0.00	34.17 -0.43 0.00	37.27 -0.33 0.00	39.85 -0.46 -1.32	36.06 0.07 0.00	30.48 0.17 0.00	35.43 0.07 0.00	37.04 -0.04 0.00	39.10 -0.09 0.00	40.16 -0.10 0.00	38.77 -0.14 0.00	36.54 -0.29 0.00	33.96 -0.07 0.00	35.99 0.08 0.00	34.33 -0.33 0.00	36.73 -0.18 0.00	38.77 -0.52 0.00	36.16 -0.55 0.00	31.99 -0.38 0.00	29.81 -0.09 0.00
STA_7___115KV_9TRANS 80674	37.38 -0.10 0.00	31.62 -0.39 0.00	31.21 -0.18 0.00	30.22 -0.15 0.00	33.36 -0.10 0.00	34.39 -0.22 0.00	37.54 -0.07 0.00	40.16 -0.16 -1.32	36.35 0.36 0.00	30.73 0.42 0.00	35.71 0.35 0.00	37.35 0.27 0.00	39.43 0.24 0.00	40.50 0.25 0.00	39.09 0.18 0.00	36.86 0.02 0.00	34.27 0.24 0.00	36.32 0.41 0.00	34.65 -0.01 0.00	37.07 0.16 0.00	39.11 -0.17 0.00	36.47 -0.24 0.00	32.23 -0.13 0.00	30.03 0.12 0.00



STA_82___115KV_TB1 80780	37.17 -0.31 0.00	31.44 -0.56 0.00	31.06 -0.34 0.00	30.06 -0.31 0.00	33.17 -0.28 0.00	34.19 -0.41 0.00	37.30 -0.30 0.00	39.89 -0.43 -1.32	36.09 0.10 0.00	30.51 0.20 0.00	35.47 0.11 0.00	37.07 0.00 0.00	39.14 -0.05 0.00	40.19 -0.06 0.00	38.80 -0.10 0.00	36.58 -0.26 0.00	34.00 -0.04 0.00	36.02 0.11 0.00	34.35 -0.30 0.00	36.77 -0.15 0.00	38.80 -0.48 0.00	36.20 -0.51 0.00	32.01 -0.35 0.00	29.84 -0.06 0.00
STEEL___WIND 323596	23.99 0.30 13.78	29.57 -0.24 2.20	29.50 0.19 2.08	28.04 0.23 2.56	30.31 0.34 3.48	30.18 0.12 4.54	36.95 0.10 0.75	40.68 -0.08 -1.76	28.85 0.75 7.88	29.12 0.76 1.96	35.94 0.59 0.00	37.61 0.54 0.00	39.72 0.53 0.00	40.81 0.56 0.00	39.34 0.43 0.00	36.94 0.11 0.00	34.34 0.31 0.00	36.44 0.53 0.00	34.62 -0.03 0.00	36.30 0.26 0.88	37.48 -0.20 1.60	36.06 -0.18 0.47	29.64 0.07 2.79	29.12 0.56 1.35
STEPHTWN_115KV_BK_2 55603	38.24 0.77 0.00	32.63 0.62 0.00	32.07 0.67 0.00	30.99 0.62 0.00	34.12 0.66 0.00	17.89 0.82 17.54	-20.67 1.18 59.46	-10.74 1.25 50.99	2.03 1.01 34.96	30.96 0.65 0.00	36.25 0.89 0.00	38.12 1.04 0.00	40.34 1.15 0.00	41.45 1.20 0.00	40.12 1.22 0.00	38.15 1.32 0.00	35.48 1.45 0.00	37.65 1.74 0.00	36.25 1.60 0.00	38.48 1.57 0.00	40.72 1.44 0.00	38.05 1.34 0.00	33.37 1.01 0.00	30.75 0.85 0.00
STEBEN_REC_LFGE 323667	37.69 0.21 0.00	31.92 -0.09 0.00	31.58 0.18 0.00	30.64 0.27 0.00	33.94 0.48 0.00	35.22 0.61 0.00	38.71 1.11 0.00	42.18 1.02 -2.15	37.77 1.78 0.00	31.85 1.54 0.00	36.92 1.56 0.00	38.81 1.73 0.00	40.90 1.72 0.00	42.00 1.75 0.00	40.59 1.69 0.00	38.30 1.47 0.00	35.68 1.65 0.00	37.89 1.98 0.00	36.18 1.52 0.00	38.65 1.74 0.00	40.57 1.28 0.00	37.92 1.20 0.00	33.42 1.06 0.00	31.17 1.27 0.00
STILLWATER___SOLAR 323814	38.81 1.34 0.00	33.23 1.23 0.00	32.57 1.18 0.00	31.48 1.11 0.00	34.73 1.28 0.00	91.73 1.53 -55.59	228.53 2.49 -188.44	271.73 2.62 -230.11	149.06 2.27 -110.80	31.92 1.61 0.00	37.35 2.00 0.00	39.15 2.08 0.00	41.34 2.16 0.00	42.49 2.24 0.00	41.08 2.18 0.00	39.02 2.19 0.00	36.33 2.29 0.00	38.37 2.46 0.00	36.95 2.30 0.00	39.16 2.25 0.00	41.57 2.28 0.00	38.88 2.17 0.00	34.12 1.76 0.00	31.37 1.47 0.00
STONY___BROOK 24151	39.95 2.48 0.00	33.97 1.97 0.00	33.35 1.96 0.00	32.17 1.80 0.00	35.61 2.16 0.00	46.27 2.87 -8.80	54.18 4.03 -12.54	63.39 4.29 -20.10	47.04 3.68 -7.38	33.07 2.77 0.00	38.61 3.25 0.00	40.77 3.70 0.00	43.05 3.86 0.00	44.24 3.99 0.00	42.89 3.98 0.00	41.28 4.44 0.00	38.84 4.80 0.00	41.05 5.14 0.00	39.30 4.65 0.00	41.49 4.58 0.00	43.94 4.65 0.00	41.20 4.48 0.00	36.12 3.76 0.00	33.00 3.10 0.00
STURGEON_POOL_HYD 23609	38.39 0.91 0.00	32.86 0.85 0.00	32.18 0.79 0.00	31.08 0.72 0.00	34.32 0.87 0.00	35.82 1.22 0.00	39.59 1.99 0.00	48.66 2.24 -7.42	37.94 1.95 0.00	31.67 1.36 0.00	37.04 1.69 0.00	39.03 1.96 0.00	41.36 2.17 0.00	42.54 2.29 0.00	41.26 2.35 0.00	39.27 2.44 0.00	36.70 2.67 0.00	38.95 3.04 0.00	37.52 2.86 0.00	39.65 2.74 0.00	41.95 2.67 0.00	39.17 2.46 0.00	34.35 1.99 0.00	31.48 1.58 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	38.08 0.60 0.00	32.59 0.59 0.00	31.92 0.52 0.00	30.83 0.47 0.00	34.08 0.62 0.00	35.55 0.95 0.00	39.49 1.89 0.00	46.99 2.15 -5.83	37.82 1.83 0.00	31.52 1.21 0.00	36.81 1.45 0.00	38.85 1.77 0.00	41.17 1.98 0.00	42.33 2.07 0.00	41.03 2.12 0.00	39.03 2.20 0.00	36.54 2.50 0.00	38.70 2.79 0.00	37.23 2.58 0.00	39.30 2.39 0.00	41.60 2.32 0.00	38.85 2.14 0.00	34.07 1.71 0.00	31.23 1.33 0.00
SWANROAD_115KV_TB1 355699	36.45 -1.03 0.00	30.64 -1.37 0.00	30.44 -0.96 0.00	29.49 -0.87 0.00	32.53 -0.92 0.00	33.35 -1.26 0.00	36.13 -1.47 0.00	38.74 -1.94 -1.68	35.01 -0.98 0.00	29.68 -0.63 0.00	34.41 -0.94 0.00	35.85 -1.22 0.00	37.85 -1.33 0.00	38.91 -1.34 0.00	37.51 -1.39 0.00	35.20 -1.63 0.00	32.71 -1.32 0.00	34.67 -1.24 0.00	32.86 -1.80 0.00	35.37 -1.55 0.00	37.20 -2.09 0.00	34.77 -1.94 0.00	30.99 -1.38 0.00	29.27 -0.64 0.00
SYNERGY___BIOGAS 323694	28.55 0.54 9.47	30.49 0.00 1.51	30.30 0.34 1.43	28.97 0.36 1.76	31.57 0.51 2.39	31.83 0.35 3.12	37.54 0.46 0.52	41.00 0.41 -1.60	31.60 1.03 5.42	30.00 1.03 1.35	36.31 0.96 0.00	37.88 0.81 0.00	39.94 0.76 0.00	41.08 0.83 0.00	39.65 0.74 0.00	37.30 0.46 0.00	34.72 0.69 0.00	36.83 0.92 0.00	35.01 0.35 0.00	36.96 0.64 0.60	38.40 0.21 1.10	36.50 0.11 0.32	30.70 0.26 1.92	29.66 0.68 0.92
SYRACUSE___ENERGY_ST1 323597	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
SYRACUSE___ENERGY_ST2 323598	37.03 -0.44 0.00	31.55 -0.45 0.00	30.96 -0.43 0.00	29.97 -0.40 0.00	33.07 -0.39 0.00	34.24 -0.36 0.00	37.49 -0.12 0.00	40.06 -0.11 -1.17	36.00 0.02 0.00	30.29 -0.02 0.00	35.30 -0.05 0.00	37.05 -0.02 0.00	39.12 -0.07 0.00	40.17 -0.08 0.00	38.84 -0.07 0.00	36.81 -0.03 0.00	34.18 0.14 0.00	36.16 0.25 0.00	34.76 0.11 0.00	36.99 0.07 0.00	39.16 -0.13 0.00	36.54 -0.17 0.00	32.15 -0.21 0.00	29.71 -0.19 0.00
SYRACUSE___POWER 24017	37.02 -0.45 0.00	31.53 -0.48 0.00	30.96 -0.44 0.00	29.97 -0.40 0.00	33.05 -0.41 0.00	34.21 -0.39 0.00	37.43 -0.17 0.00	40.04 -0.15 -1.19	36.01 0.02 0.00	30.30 -0.01 0.00	35.31 -0.04 0.00	37.04 -0.03 0.00	39.13 -0.07 0.00	40.19 -0.06 0.00	38.87 -0.04 0.00	36.83 -0.01 0.00	34.21 0.18 0.00	36.20 0.28 0.00	34.79 0.14 0.00	37.02 0.10 0.00	39.18 -0.10 0.00	36.56 -0.16 0.00	32.16 -0.20 0.00	29.72 -0.19 0.00
TALLMAN___138KV_BK151 55660	38.10 0.62 0.00	32.62 0.61 0.00	31.94 0.54 0.00	30.85 0.48 0.00	34.11 0.66 0.00	35.62 1.02 0.00	39.67 2.06 0.00	47.29 2.33 -5.96	37.95 1.96 0.00	31.59 1.28 0.00	36.85 1.50 0.00	38.96 1.88 0.00	41.28 2.09 0.00	42.44 2.19 0.00	41.14 2.23 0.00	39.16 2.32 0.00	36.68 2.64 0.00	38.84 2.93 0.00	37.37 2.71 0.00	39.40 2.49 0.00	41.70 2.41 0.00	38.95 2.24 0.00	34.15 1.79 0.00	31.29 1.38 0.00
TEALLAVE_115KV_TB7 355573	36.77 -0.71 0.00	31.32 -0.69 0.00	30.76 -0.64 0.00	29.77 -0.60 0.00	32.83 -0.62 0.00	33.97 -0.64 0.00	37.13 -0.48 0.00	39.59 -0.48 -1.06	35.71 -0.28 0.00	30.06 -0.25 0.00	35.02 -0.33 0.00	36.75 -0.32 0.00	38.81 -0.38 0.00	39.86 -0.39 0.00	38.54 -0.36 0.00	36.52 -0.32 0.00	33.91 -0.12 0.00	35.87 -0.04 0.00	34.47 -0.19 0.00	36.68 -0.24 0.00	38.83 -0.46 0.00	36.24 -0.47 0.00	31.88 -0.48 0.00	29.47 -0.43 0.00



TELGRAPH_34_KV_EAST 80808	37.32 -0.16 0.00	31.39 -0.61 0.00	31.17 -0.23 0.00	30.20 -0.17 0.00	33.33 -0.12 0.00	34.24 -0.36 0.00	37.21 -0.39 0.00	39.90 -0.73 -1.63	36.11 0.13 0.00	30.57 0.27 0.00	35.45 0.09 0.00	36.98 -0.09 0.00	39.03 -0.17 0.00	40.11 -0.14 0.00	38.68 -0.23 0.00	36.34 -0.49 0.00	33.80 -0.24 0.00	35.83 -0.08 0.00	34.00 -0.65 0.00	36.54 -0.37 0.00	38.42 -0.87 0.00	35.88 -0.83 0.00	31.88 -0.48 0.00	30.00 0.09 0.00
TEMPLE___115KV_TB 2 55572	36.79 -0.68 0.00	31.33 -0.67 0.00	30.77 -0.62 0.00	29.78 -0.59 0.00	32.84 -0.61 0.00	33.98 -0.62 0.00	37.16 -0.44 0.00	39.62 -0.45 -1.07	35.74 -0.25 0.00	30.08 -0.23 0.00	35.06 -0.30 0.00	36.78 -0.30 0.00	38.84 -0.35 0.00	39.89 -0.36 0.00	38.57 -0.33 0.00	36.55 -0.28 0.00	33.95 -0.09 0.00	35.91 0.00 0.00	34.50 -0.16 0.00	36.71 -0.20 0.00	38.87 -0.42 0.00	36.27 -0.45 0.00	31.91 -0.45 0.00	29.50 -0.40 0.00
TIANA___69_KV_BK 1 55817	40.60 3.12 0.00	34.49 2.49 0.00	33.88 2.49 0.00	32.68 2.32 0.00	36.23 2.78 0.00	46.98 3.57 -8.81	54.98 4.83 -12.54	64.26 5.16 -20.10	47.81 4.45 -7.38	33.60 3.30 0.00	39.22 3.86 0.00	41.46 4.39 0.00	43.87 4.68 0.00	45.11 4.86 0.00	43.77 4.87 0.00	42.16 5.32 0.00	39.69 5.65 0.00	41.97 6.05 0.00	40.15 5.50 0.00	42.39 5.47 0.00	44.82 5.54 0.00	41.82 5.11 0.00	36.65 4.29 0.00	33.47 3.57 0.00
TILDEN___115KV_TB1 80814	37.02 -0.45 0.00	31.53 -0.48 0.00	30.96 -0.44 0.00	29.97 -0.40 0.00	33.05 -0.41 0.00	34.21 -0.39 0.00	37.43 -0.17 0.00	40.04 -0.15 -1.19	36.01 0.02 0.00	30.30 -0.01 0.00	35.31 -0.04 0.00	37.04 -0.03 0.00	39.13 -0.07 0.00	40.19 -0.06 0.00	38.87 -0.04 0.00	36.83 -0.01 0.00	34.21 0.18 0.00	36.20 0.28 0.00	34.79 0.14 0.00	37.02 0.10 0.00	39.18 -0.10 0.00	36.56 -0.16 0.00	32.16 -0.20 0.00	29.72 -0.19 0.00
TRIGEN___CC 323695	39.08 1.60 0.00	33.34 1.33 0.00	32.67 1.28 0.00	31.53 1.16 0.00	34.88 1.42 0.00	43.50 1.99 -6.90	53.18 3.03 -12.54	62.34 3.24 -20.10	46.15 2.79 -7.38	32.38 2.07 0.00	37.87 2.51 0.00	40.00 2.93 0.00	42.23 3.04 0.00	43.39 3.14 0.00	42.08 3.17 0.00	40.32 3.48 0.00	37.80 3.76 -0.01	39.91 4.00 0.00	38.30 3.64 0.00	40.46 3.55 0.00	42.88 3.60 0.00	40.15 3.44 0.00	35.21 2.85 0.00	32.22 2.32 0.00
TRINITY___115KV___4 BK 55933	37.84 0.36 0.00	32.39 0.39 0.00	31.71 0.32 0.00	30.65 0.28 0.00	33.78 0.33 0.00	18.18 0.46 16.88	-18.94 0.68 57.23	-8.36 0.82 48.18	2.91 0.58 33.65	30.55 0.24 0.00	35.86 0.50 0.00	37.67 0.59 0.00	39.84 0.66 0.00	40.95 0.70 0.00	39.65 0.74 0.00	37.65 0.82 0.00	35.07 1.03 0.00	37.08 1.17 0.00	35.73 1.08 0.00	37.89 0.98 0.00	40.18 0.90 0.00	37.54 0.83 0.00	33.02 0.66 0.00	30.40 0.49 0.00
UNION___PROCESSING_DRP 323587	37.18 -0.29 0.00	31.46 -0.55 0.00	31.07 -0.32 0.00	30.07 -0.29 0.00	33.20 -0.26 0.00	34.21 -0.39 0.00	37.31 -0.30 0.00	39.92 -0.41 -1.32	36.10 0.11 0.00	30.52 0.21 0.00	35.47 0.11 0.00	37.09 0.01 0.00	39.16 -0.03 0.00	40.22 -0.03 0.00	38.82 -0.09 0.00	36.60 -0.24 0.00	34.02 -0.02 0.00	36.04 0.13 0.00	34.37 -0.28 0.00	36.79 -0.12 0.00	38.82 -0.47 0.00	36.22 -0.50 0.00	32.03 -0.33 0.00	29.85 -0.05 0.00
UPPER HUDSON___HYD 24058	38.34 0.87 0.00	32.87 0.86 0.00	32.32 0.92 0.00	31.21 0.84 0.00	34.44 0.99 0.00	76.18 1.32 -40.26	176.51 2.45 -136.46	214.89 2.55 -173.34	118.53 2.30 -80.24	31.89 1.58 0.00	37.25 1.90 0.00	38.89 1.82 0.00	40.83 1.65 0.00	41.93 1.68 0.00	40.51 1.61 0.00	38.50 1.67 0.00	35.94 1.90 0.00	37.98 2.06 0.00	36.56 1.90 0.00	38.69 1.78 0.00	40.92 1.64 0.00	38.44 1.73 0.00	33.71 1.34 0.00	30.99 1.09 0.00
UPPER RAQUET___HYD 24056	38.57 1.09 0.00	33.10 1.10 0.00	32.48 1.08 0.00	31.44 1.07 0.00	34.55 1.10 0.00	35.30 0.69 0.00	37.75 0.15 0.00	39.15 0.14 0.00	36.05 0.07 0.00	30.58 0.27 0.00	35.85 0.49 0.00	37.45 0.37 0.00	39.59 0.40 0.00	40.71 0.46 0.00	39.21 0.30 0.00	36.57 -0.27 0.00	33.38 -0.65 0.00	34.78 -1.14 0.00	34.03 -0.62 0.00	36.50 -0.41 0.00	39.20 -0.08 0.00	36.99 0.27 0.00	32.82 0.46 0.00	30.41 0.50 0.00
VALLEY44_115KV_TB2 355964	38.87 1.40 0.00	32.82 0.81 0.00	32.59 1.20 0.00	31.46 1.09 0.00	34.79 1.33 0.00	35.64 1.04 0.00	38.66 1.06 0.00	41.81 0.96 -1.84	37.82 1.84 0.00	31.79 1.48 0.00	36.73 1.37 0.00	38.66 1.58 0.00	40.90 1.72 0.00	42.00 1.75 0.00	40.50 1.59 0.00	38.07 1.24 0.00	35.44 1.40 0.00	37.65 1.74 0.00	35.85 1.19 0.00	38.36 1.45 0.00	40.31 1.03 0.00	37.76 1.04 0.00	33.54 1.18 0.00	31.36 1.46 0.00
VALLEY___115KV_TB 1-4 80826	37.00 -0.48 0.00	31.67 -0.33 0.00	31.00 -0.40 0.00	29.94 -0.43 0.00	33.04 -0.41 0.00	34.46 -0.14 0.00	38.13 0.53 0.00	39.74 0.74 0.00	36.60 0.62 0.00	30.58 0.27 0.00	35.80 0.44 0.00	37.68 0.60 0.00	39.79 0.61 0.00	40.82 0.56 0.00	39.56 0.66 0.00	37.61 0.77 0.00	35.06 1.02 0.00	37.18 1.27 0.00	35.85 1.19 0.00	37.92 1.00 0.00	40.20 0.91 0.00	37.52 0.81 0.00	32.90 0.53 0.00	30.22 0.32 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	38.55 1.08 0.00	32.90 0.89 0.00	32.31 0.91 0.00	31.28 0.91 0.00	34.57 1.12 0.00	36.00 1.40 0.00	39.54 1.93 0.00	46.71 2.10 -5.61	38.08 2.09 0.00	31.96 1.65 0.00	37.26 1.90 0.00	39.14 2.07 0.00	41.41 2.22 0.00	42.56 2.31 0.00	41.21 2.31 0.00	39.07 2.24 0.00	36.38 2.34 0.00	38.54 2.62 0.00	37.05 2.40 0.00	39.37 2.45 0.00	41.69 2.41 0.00	38.93 2.22 0.00	34.16 1.80 0.00	31.45 1.55 0.00
VISCHER___FERRY HYD 24020	38.51 1.03 0.00	32.99 0.98 0.00	32.30 0.91 0.00	31.21 0.85 0.00	34.41 0.96 0.00	134.52 1.11 -98.81	374.66 2.11 -334.95	430.85 2.25 -389.61	234.73 1.79 -196.95	31.48 1.17 0.00	36.97 1.61 0.00	38.77 1.70 0.00	41.03 1.84 0.00	42.19 1.94 0.00	40.82 1.91 0.00	38.76 1.92 0.00	35.99 1.95 0.00	37.99 2.07 0.00	36.60 1.95 0.00	38.81 1.90 0.00	41.31 2.02 0.00	38.61 1.90 0.00	33.92 1.55 0.00	31.20 1.29 0.00
V_A_10_SYNC_DSASP 323832	26.69 -0.80 9.99	29.33 -1.08 1.60	29.13 -0.75 1.51	27.80 -0.71 1.86	30.23 -0.70 2.52	30.33 -0.99 3.29	35.93 -1.13 0.54	39.10 -1.30 -1.39	29.64 -0.63 5.71	28.51 -0.38 1.42	34.70 -0.65 0.00	36.25 -0.82 0.00	38.28 -0.91 0.00	39.33 -0.92 0.00	37.92 -0.98 0.00	35.66 -1.17 0.00	33.13 -0.91 0.00	35.11 -0.81 0.00	33.38 -1.28 0.00	35.19 -1.09 0.63	36.60 -1.53 1.16	34.94 -1.44 0.34	29.32 -1.02 2.02	28.44 -0.49 0.97
V_CMM_10_SYNC_DSASP 323787	38.23 0.75 0.00	32.69 0.69 0.00	32.06 0.67 0.00	31.03 0.67 0.00	34.10 0.65 0.00	35.07 0.47 0.00	37.66 0.06 0.00	39.01 0.01 0.00	35.97 -0.02 0.00	30.49 0.18 0.00	35.55 0.19 0.00	37.14 0.07 0.00	39.28 0.09 0.00	40.36 0.11 0.00	38.94 0.03 0.00	36.67 -0.17 0.00	33.60 -0.44 0.00	35.25 -0.66 0.00	34.19 -0.47 0.00	36.60 -0.31 0.00	39.17 -0.11 0.00	36.67 -0.05 0.00	32.47 0.11 0.00	30.11 0.20 0.00



V_CMP_10_SYNC_DSASP 323788	40.25 2.77 0.00	34.42 2.42 0.00	33.71 2.32 0.00	32.59 2.22 0.00	35.75 2.29 0.00	36.65 2.05 0.00	39.24 1.64 0.00	40.88 1.88 0.00	37.46 1.47 0.00	31.72 1.41 0.00	36.68 1.32 0.00	38.49 1.42 0.00	40.70 1.51 0.00	41.76 1.51 0.00	40.24 1.33 0.00	38.10 1.27 0.00	35.04 1.01 0.00	36.84 0.93 0.00	35.57 0.92 0.00	38.10 1.19 0.00	40.63 1.34 0.00	37.90 1.19 0.00	33.47 1.10 0.00	31.07 1.17 0.00
V_D_10_SYNC_DSASP 323841	23.86 -1.07 12.55	28.55 -1.45 2.00	28.46 -1.04 1.90	27.05 -0.99 2.33	29.32 -0.96 3.17	29.27 -1.19 4.14	35.29 -1.63 0.68	38.60 -2.08 -1.68	27.67 -1.14 7.18	27.71 -0.81 1.78	34.10 -1.26 0.00	35.54 -1.54 0.00	37.52 -1.67 0.00	38.56 -1.69 0.00	37.17 -1.74 0.00	34.87 -1.96 0.00	32.38 -1.65 0.00	34.32 -1.59 0.00	32.53 -2.13 0.00	34.25 -1.86 0.80	35.45 -2.38 1.46	34.03 -2.25 0.43	28.20 -1.62 2.54	27.97 -0.72 1.23
V_E_10_SYNC_DSASP 323830	43.04 1.94 -3.63	34.11 1.52 -0.58	33.32 1.38 -0.55	32.46 1.42 -0.68	36.34 1.97 -0.92	38.26 2.46 -1.20	41.58 3.78 -0.20	46.61 4.21 -3.40	42.45 4.38 -2.08	34.56 3.73 -0.52	39.47 4.11 0.00	41.38 4.31 0.00	43.83 4.64 0.00	45.19 4.94 0.00	43.81 4.91 0.00	41.38 4.54 0.00	38.66 4.63 0.00	41.04 5.13 0.00	39.37 4.72 0.00	42.08 4.93 -0.23	44.56 4.85 -0.42	41.21 4.37 -0.12	36.63 3.54 -0.74	33.41 3.15 -0.36
V_F_30_NSYNC___DSASP 323816	38.86 1.39 0.00	33.27 1.27 0.00	32.61 1.21 0.00	31.51 1.15 0.00	34.78 1.33 0.00	84.90 1.57 -48.72	205.24 2.47 -165.16	246.30 2.61 -204.68	135.40 2.30 -97.11	31.96 1.65 0.00	37.39 2.03 0.00	39.18 2.11 0.00	41.38 2.19 0.00	42.52 2.27 0.00	41.11 2.21 0.00	39.05 2.22 0.00	36.36 2.32 0.00	38.41 2.50 0.00	36.98 2.33 0.00	39.20 2.29 0.00	41.61 2.32 0.00	38.91 2.20 0.00	34.14 1.78 0.00	31.40 1.49 0.00
V_F_30_SYNC_DSASP 323786	37.96 0.48 0.00	32.49 0.49 0.00	31.81 0.42 0.00	30.75 0.38 0.00	33.90 0.44 0.00	21.72 0.59 13.48	-7.26 0.83 45.70	6.33 0.98 33.65	9.87 0.75 26.87	30.71 0.40 0.00	36.04 0.68 0.00	37.86 0.79 0.00	40.06 0.87 0.00	41.15 0.90 0.00	39.85 0.95 0.00	37.86 1.02 0.00	35.26 1.23 0.00	37.29 1.38 0.00	35.92 1.26 0.00	38.09 1.18 0.00	40.38 1.09 0.00	37.71 1.00 0.00	33.15 0.79 0.00	30.52 0.61 0.00
V_XM_10_SYNC_DSASP 323789	40.25 2.77 0.00	34.42 2.42 0.00	33.71 2.32 0.00	32.59 2.22 0.00	35.75 2.29 0.00	36.65 2.05 0.00	39.24 1.64 0.00	40.88 1.88 0.00	37.46 1.47 0.00	31.72 1.41 0.00	36.68 1.32 0.00	38.49 1.42 0.00	40.70 1.51 0.00	41.76 1.51 0.00	40.24 1.33 0.00	38.10 1.27 0.00	35.04 1.01 0.00	36.84 0.93 0.00	35.57 0.92 0.00	38.10 1.19 0.00	40.63 1.34 0.00	37.90 1.19 0.00	33.47 1.10 0.00	31.07 1.17 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	38.26 0.78 0.00	32.74 0.74 0.00	32.07 0.68 0.00	30.97 0.60 0.00	34.24 0.79 0.00	39.13 1.16 -3.37	51.23 2.21 -11.42	60.08 2.48 -18.59	44.82 2.12 -6.71	31.72 1.41 0.00	37.01 1.65 0.00	39.11 2.04 0.00	41.44 2.25 0.00	42.60 2.35 0.00	41.30 2.39 0.00	39.31 2.48 0.00	36.83 2.79 0.00	39.01 3.10 0.00	37.52 2.87 0.00	39.57 2.65 0.00	41.87 2.59 0.00	39.11 2.40 0.00	34.29 1.93 0.00	31.41 1.51 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	38.41 0.94 0.00	32.87 0.86 0.00	32.21 0.81 0.00	31.09 0.72 0.00	34.34 0.89 0.00	39.54 1.23 -3.70	52.50 2.36 -12.54	61.79 2.69 -20.09	45.67 2.30 -7.37	31.97 1.66 0.00	37.33 1.98 0.00	39.44 2.36 0.00	41.79 2.60 0.00	42.98 2.73 0.00	41.69 2.79 0.00	39.75 2.91 0.00	37.23 3.20 0.00	39.43 3.52 0.00	37.91 3.25 0.00	39.95 3.04 0.00	42.25 2.97 0.00	39.46 2.75 0.00	34.61 2.25 0.00	31.67 1.76 0.00
W50THST__13_KV_LOAD 356117	38.69 1.21 0.00	33.09 1.09 0.00	32.44 1.04 0.00	31.31 0.94 0.00	34.58 1.13 0.00	39.80 1.50 -3.70	52.81 2.67 -12.54	62.14 3.05 -20.09	46.05 2.68 -7.37	32.30 1.99 0.00	37.72 2.36 0.00	39.86 2.78 0.00	42.23 3.04 0.00	43.46 3.22 0.00	42.17 3.25 0.00	40.19 3.35 0.00	37.65 3.61 0.00	39.86 3.95 0.00	38.30 3.65 0.00	40.34 3.42 0.00	42.65 3.37 0.00	39.83 3.12 0.00	34.91 2.55 0.00	31.93 2.03 0.00
WADING RIVER_IC_1 23522	40.24 2.76 0.00	34.19 2.19 0.00	33.58 2.19 0.00	32.39 2.03 0.00	35.88 2.43 0.00	46.59 3.18 -8.81	54.53 4.38 -12.54	63.78 4.68 -20.10	47.38 4.01 -7.38	33.27 2.96 0.00	38.83 3.47 0.00	41.04 3.97 0.00	43.40 4.22 0.00	44.62 4.37 0.00	43.31 4.40 0.00	41.69 4.86 0.00	39.23 5.19 0.00	41.48 5.56 0.00	39.70 5.04 0.00	41.91 4.99 0.00	44.35 5.06 0.00	41.59 4.88 0.00	36.44 4.08 0.00	33.28 3.38 0.00
WADING RIVER_IC_2 23547	40.24 2.76 0.00	34.19 2.19 0.00	33.58 2.19 0.00	32.39 2.03 0.00	35.88 2.43 0.00	46.59 3.18 -8.81	54.53 4.38 -12.54	63.78 4.68 -20.10	47.38 4.01 -7.38	33.27 2.96 0.00	38.83 3.47 0.00	41.04 3.97 0.00	43.40 4.22 0.00	44.62 4.37 0.00	43.31 4.40 0.00	41.69 4.86 0.00	39.23 5.19 0.00	41.48 5.56 0.00	39.70 5.04 0.00	41.91 4.99 0.00	44.35 5.06 0.00	41.59 4.88 0.00	36.44 4.08 0.00	33.28 3.38 0.00
WADING RIVER_IC_3 23601	40.24 2.76 0.00	34.19 2.19 0.00	33.58 2.19 0.00	32.39 2.03 0.00	35.88 2.43 0.00	46.59 3.18 -8.81	54.53 4.38 -12.54	63.78 4.68 -20.10	47.38 4.01 -7.38	33.27 2.96 0.00	38.83 3.47 0.00	41.04 3.97 0.00	43.40 4.22 0.00	44.62 4.37 0.00	43.31 4.40 0.00	41.69 4.86 0.00	39.23 5.19 0.00	41.48 5.56 0.00	39.70 5.04 0.00	41.91 4.99 0.00	44.35 5.06 0.00	41.59 4.88 0.00	36.44 4.08 0.00	33.28 3.38 0.00
WALDENNY_12_KV_BK2 80841	37.75 0.28 0.00	31.77 -0.23 0.00	31.56 0.17 0.00	30.56 0.20 0.00	33.75 0.29 0.00	34.68 0.07 0.00	37.68 0.08 0.00	40.52 -0.23 -1.75	36.69 0.70 0.00	31.03 0.72 0.00	35.94 0.58 0.00	37.58 0.50 0.00	39.68 0.49 0.00	40.76 0.51 0.00	39.30 0.39 0.00	36.92 0.08 0.00	34.32 0.29 0.00	36.43 0.52 0.00	34.56 -0.09 0.00	37.14 0.22 0.00	39.03 -0.26 0.00	36.46 -0.25 0.00	32.39 0.03 0.00	30.43 0.53 0.00
WALDEN___HYDRO 24148	38.48 1.00 0.00	32.92 0.91 0.00	32.23 0.84 0.00	31.13 0.76 0.00	34.39 0.94 0.00	35.92 1.31 0.00	39.86 2.26 0.00	47.70 2.56 -6.13	38.19 2.20 0.00	31.81 1.50 0.00	37.19 1.83 0.00	39.15 2.08 0.00	41.55 2.36 0.00	42.76 2.51 0.00	41.49 2.58 0.00	39.50 2.66 0.00	37.02 2.98 0.00	39.24 3.33 0.00	37.78 3.13 0.00	39.90 2.98 0.00	42.19 2.91 0.00	39.38 2.67 0.00	34.49 2.13 0.00	31.60 1.69 0.00
WARRENSBURG____ 23737	38.34 0.87 0.00	32.87 0.86 0.00	32.32 0.92 0.00	31.21 0.84 0.00	34.44 0.99 0.00	76.18 1.32 -40.26	176.51 2.45 -136.46	214.89 2.55 -173.34	118.53 2.30 -80.24	31.89 1.58 0.00	37.25 1.90 0.00	38.89 1.82 0.00	40.83 1.65 0.00	41.93 1.68 0.00	40.51 1.61 0.00	38.50 1.67 0.00	35.94 1.90 0.00	37.98 2.06 0.00	36.56 1.90 0.00	38.69 1.78 0.00	40.92 1.64 0.00	38.44 1.73 0.00	33.71 1.34 0.00	30.99 1.09 0.00



WATERSIDE___6 8 9 23538	38.41 0.93 0.00	32.88 0.87 0.00	32.19 0.80 0.00	31.08 0.71 0.00	34.33 0.88 0.00	39.55 1.24 -3.70	52.48 2.34 -12.54	61.80 2.70 -20.09	45.69 2.32 -7.37	31.98 1.67 0.00	37.36 2.00 0.00	39.47 2.39 0.00	41.82 2.64 0.00	43.04 2.79 0.00	41.75 2.84 0.00	39.81 2.97 0.00	37.29 3.26 0.00	39.48 3.57 0.00	37.97 3.31 0.00	40.01 3.09 0.00	42.32 3.04 0.00	39.53 2.82 0.00	34.64 2.27 0.00	31.67 1.77 0.00
WATKINRD_115KV_LN8_ILLION 55919	37.24 -0.23 0.00	31.86 -0.15 0.00	31.21 -0.18 0.00	30.16 -0.21 0.00	33.27 -0.19 0.00	34.58 -0.02 0.00	38.02 0.42 0.00	39.57 0.57 0.00	36.46 0.47 0.00	30.52 0.21 0.00	35.69 0.34 0.00	37.53 0.46 0.00	39.65 0.46 0.00	40.70 0.45 0.00	39.42 0.51 0.00	37.44 0.61 0.00	34.82 0.78 0.00	36.87 0.96 0.00	35.56 0.91 0.00	37.69 0.77 0.00	39.99 0.71 0.00	37.34 0.62 0.00	32.78 0.42 0.00	30.16 0.26 0.00
WATSON___69_KV_BK 1 55734	40.20 2.73 0.00	34.18 2.18 0.00	33.57 2.17 0.00	32.38 2.01 0.00	35.86 2.40 0.00	46.47 3.14 -8.73	54.45 4.30 -12.54	63.68 4.58 -20.10	47.35 3.99 -7.38	33.30 2.99 0.00	38.85 3.49 0.00	41.06 3.98 0.00	43.29 4.10 0.00	44.48 4.23 0.00	43.11 4.20 0.00	41.51 4.68 0.00	39.07 5.03 0.00	41.26 5.35 0.00	39.51 4.86 0.00	41.72 4.81 0.00	44.19 4.91 0.00	41.40 4.69 0.00	36.32 3.96 0.00	33.21 3.30 0.00
WDELAWARE___HYD 323627	38.22 0.75 0.00	32.67 0.66 0.00	32.00 0.60 0.00	30.93 0.56 0.00	34.18 0.73 0.00	35.72 1.11 0.00	39.58 1.98 0.00	47.41 2.27 -6.13	37.94 1.95 0.00	31.70 1.39 0.00	36.95 1.59 0.00	38.91 1.83 0.00	41.25 2.06 0.00	42.48 2.23 0.00	41.22 2.31 0.00	39.21 2.37 0.00	36.73 2.70 0.00	38.99 3.08 0.00	37.55 2.89 0.00	39.66 2.75 0.00	41.93 2.64 0.00	39.11 2.40 0.00	34.25 1.88 0.00	31.39 1.49 0.00
WEST BABYLON___IC 23714	39.96 2.48 0.00	33.99 1.99 0.00	33.36 1.97 0.00	32.18 1.82 0.00	35.64 2.18 0.00	46.03 2.89 -8.54	54.17 4.02 -12.54	63.37 4.27 -20.10	47.07 3.70 -7.38	33.08 2.77 0.00	38.63 3.28 0.00	40.83 3.75 0.00	43.01 3.82 0.00	44.15 3.91 0.00	42.80 3.90 0.00	41.16 4.32 0.00	38.72 4.67 0.00	40.88 4.97 0.00	39.15 4.50 0.00	41.35 4.43 0.00	43.84 4.55 0.00	41.09 4.38 0.00	36.10 3.74 0.00	33.00 3.09 0.00
WEST CANADA___HYD 24049	37.43 -0.05 0.00	31.97 -0.03 0.00	31.36 -0.03 0.00	30.32 -0.05 0.00	33.42 -0.03 0.00	34.62 0.01 0.00	37.74 0.14 0.00	39.18 0.18 0.00	36.14 0.15 0.00	30.40 0.09 0.00	35.48 0.12 0.00	37.22 0.15 0.00	39.34 0.15 0.00	40.37 0.12 0.00	39.06 0.15 0.00	37.01 0.17 0.00	34.26 0.23 0.00	36.18 0.27 0.00	34.89 0.24 0.00	37.11 0.20 0.00	39.48 0.19 0.00	36.88 0.17 0.00	32.49 0.13 0.00	29.99 0.08 0.00
WESTERN_NY_WIND 24143	37.95 0.47 0.00	31.96 -0.05 0.00	31.69 0.30 0.00	30.70 0.33 0.00	33.90 0.45 0.00	34.89 0.29 0.00	38.04 0.43 0.00	40.84 0.23 -1.61	36.96 0.97 0.00	31.27 0.97 0.00	36.26 0.90 0.00	37.82 0.75 0.00	39.89 0.70 0.00	41.03 0.78 0.00	39.60 0.70 0.00	37.25 0.41 0.00	34.66 0.63 0.00	36.77 0.86 0.00	34.93 0.28 0.00	37.51 0.59 0.00	39.42 0.14 0.00	36.77 0.06 0.00	32.57 0.21 0.00	30.55 0.64 0.00
WESTOVER___LESR 323668	37.47 0.00 0.00	31.87 -0.13 0.00	31.36 -0.03 0.00	30.34 -0.03 0.00	33.50 0.04 0.00	34.74 0.13 0.00	38.13 0.53 0.00	42.59 0.57 -3.03	36.78 0.80 0.00	30.89 0.58 0.00	35.99 0.64 0.00	37.84 0.77 0.00	40.00 0.81 0.00	41.08 0.83 0.00	39.75 0.85 0.00	37.66 0.82 0.00	35.01 0.98 0.00	37.10 1.19 0.00	35.63 0.98 0.00	37.87 0.95 0.00	40.00 0.72 0.00	37.39 0.68 0.00	32.86 0.49 0.00	30.37 0.46 0.00
WETHRSFD_WT_PWR 323626	32.41 -0.19 4.87	30.62 -0.61 0.78	30.39 -0.27 0.74	29.34 -0.12 0.91	32.19 -0.03 1.23	32.85 -0.15 1.61	37.29 -0.05 0.27	40.74 -0.19 -1.93	33.82 0.62 2.79	30.24 0.62 0.69	35.83 0.47 0.00	37.56 0.48 0.00	39.65 0.47 0.00	40.73 0.47 0.00	39.31 0.40 0.00	37.01 0.17 0.00	34.41 0.37 0.00	36.51 0.60 0.00	34.76 0.11 0.00	36.92 0.31 0.31	38.56 -0.16 0.57	36.42 -0.13 0.17	31.40 0.03 0.99	29.87 0.45 0.48
WHAVSTOR_138KV_BK127 55557	38.11 0.63 0.00	32.63 0.63 0.00	31.95 0.55 0.00	30.86 0.50 0.00	34.12 0.66 0.00	38.99 1.01 -3.38	51.10 2.04 -11.45	59.95 2.31 -18.63	44.67 1.95 -6.73	31.58 1.27 0.00	36.85 1.49 0.00	38.94 1.87 0.00	41.26 2.07 0.00	42.42 2.17 0.00	41.12 2.21 0.00	39.16 2.32 0.00	36.67 2.64 0.00	38.83 2.92 0.00	37.36 2.70 0.00	39.40 2.48 0.00	41.69 2.40 0.00	38.95 2.24 0.00	34.16 1.80 0.00	31.30 1.39 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	38.11 0.63 0.00	32.63 0.63 0.00	31.95 0.55 0.00	30.86 0.50 0.00	34.12 0.66 0.00	38.99 1.01 -3.38	51.10 2.04 -11.45	59.95 2.31 -18.63	44.67 1.95 -6.73	31.58 1.27 0.00	36.85 1.49 0.00	38.94 1.87 0.00	41.26 2.07 0.00	42.42 2.17 0.00	41.12 2.21 0.00	39.16 2.32 0.00	36.67 2.64 0.00	38.83 2.92 0.00	37.36 2.70 0.00	39.40 2.48 0.00	41.69 2.40 0.00	38.95 2.24 0.00	34.16 1.80 0.00	31.30 1.39 0.00
WHITEHAL_115KV_TB1 80871	39.10 1.62 0.00	33.68 1.67 0.00	33.06 1.67 0.00	31.83 1.46 0.00	35.06 1.60 0.00	80.51 2.14 -43.77	190.60 4.62 -148.37	229.73 4.38 -186.35	127.42 4.19 -87.25	33.05 2.74 0.00	38.42 3.07 0.00	40.43 3.36 0.00	42.40 3.21 0.00	43.55 3.30 0.00	41.97 3.07 0.00	39.97 3.14 0.00	37.48 3.44 0.00	39.52 3.60 0.00	37.92 3.27 0.00	40.01 3.09 0.00	41.81 2.53 0.00	39.25 2.54 0.00	34.56 2.20 0.00	31.56 1.66 0.00
WHITEPLN_13_KV_LOAD 356215	38.76 1.28 0.00	33.16 1.15 0.00	32.47 1.08 0.00	31.35 0.99 0.00	34.64 1.19 0.00	39.87 1.57 -3.69	52.81 2.70 -12.51	62.11 3.06 -20.05	46.02 2.67 -7.36	32.26 1.95 0.00	37.71 2.35 0.00	39.80 2.73 0.00	42.14 2.96 0.00	43.36 3.11 0.00	42.04 3.14 0.00	40.08 3.24 0.00	37.56 3.53 0.00	39.78 3.87 0.00	38.25 3.60 0.00	40.35 3.43 0.00	42.65 3.36 0.00	39.82 3.11 0.00	34.86 2.50 0.00	31.87 1.97 0.00
WM_FLOYD_69_KV_BK2 356380	40.13 2.65 0.00	34.10 2.10 0.00	33.49 2.10 0.00	32.31 1.95 0.00	35.79 2.34 0.00	46.49 3.08 -8.81	54.39 4.24 -12.54	63.62 4.53 -20.10	47.26 3.89 -7.38	33.18 2.87 0.00	38.72 3.36 0.00	40.92 3.84 0.00	43.26 4.07 0.00	44.44 4.20 0.00	43.15 4.24 0.00	41.56 4.72 0.00	39.08 5.04 0.00	41.31 5.39 0.00	39.53 4.87 0.00	41.73 4.82 0.00	44.16 4.87 0.00	41.43 4.71 0.00	36.32 3.95 0.00	33.18 3.27 0.00
WOODARD__115KV_TB2 355635	36.69 -0.79 0.00	31.26 -0.75 0.00	30.69 -0.70 0.00	29.70 -0.66 0.00	32.76 -0.70 0.00	33.88 -0.72 0.00	37.05 -0.55 0.00	39.52 -0.56 -1.08	35.60 -0.38 0.00	29.97 -0.34 0.00	34.92 -0.43 0.00	36.64 -0.43 0.00	38.69 -0.50 0.00	39.74 -0.51 0.00	38.42 -0.49 0.00	36.41 -0.43 0.00	33.80 -0.24 0.00	35.75 -0.16 0.00	34.36 -0.30 0.00	36.57 -0.35 0.00	38.73 -0.56 0.00	36.15 -0.56 0.00	31.81 -0.55 0.00	29.41 -0.50 0.00



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