

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

12/18/2023

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	18.64	19.17	19.39	14.97	14.37	16.56	20.93	23.48	24.55	30.26	31.28	26.20	23.09	24.82	22.35	24.09	27.14	26.69	24.77	22.11	22.81	22.56	22.07	19.07
24138	0.87	0.81	0.74	0.55	0.51	0.63	0.92	1.17	1.32	1.55	1.62	1.55	1.49	1.57	1.43	1.56	1.87	2.01	1.66	1.35	1.36	1.34	1.14	0.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.64	19.17	19.39	14.97	14.37	16.56	20.94	23.47	24.55	30.27	31.31	26.20	23.08	24.83	22.37	24.11	27.17	26.73	24.79	22.14	22.84	22.59	22.10	19.09
24260	0.88	0.81	0.74	0.56	0.51	0.64	0.93	1.16	1.31	1.56	1.64	1.55	1.48	1.58	1.45	1.57	1.91	2.05	1.69	1.38	1.39	1.37	1.17	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.64	19.17	19.39	14.97	14.37	16.56	20.94	23.47	24.55	30.27	31.31	26.20	23.08	24.83	22.37	24.11	27.17	26.73	24.79	22.14	22.84	22.59	22.10	19.09
24261	0.88	0.81	0.74	0.56	0.51	0.64	0.93	1.16	1.31	1.56	1.64	1.55	1.48	1.58	1.45	1.57	1.91	2.05	1.69	1.38	1.39	1.37	1.17	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.46	19.01	19.23	14.86	14.26	16.48	20.92	23.54	24.49	30.32	31.38	26.06	23.00	24.96	22.42	24.24	27.11	26.63	24.71	22.05	22.74	22.55	22.15	19.12
24011	0.70	0.65	0.58	0.45	0.40	0.56	0.91	1.22	1.25	1.61	1.72	1.42	1.39	1.71	1.50	1.71	1.84	1.95	1.60	1.29	1.29	1.33	1.22	0.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.51	19.07	19.27	14.90	14.30	16.56	21.08	23.75	24.69	30.61	31.68	26.30	23.22	25.20	22.62	24.47	27.34	26.88	24.88	22.18	22.86	22.71	22.30	19.24
23798	0.75	0.70	0.62	0.48	0.44	0.64	1.07	1.44	1.46	1.90	2.02	1.65	1.62	1.96	1.70	1.94	2.07	2.20	1.77	1.42	1.41	1.49	1.37	1.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	18.46	19.01	19.23	14.86	14.26	16.48	20.92	23.54	24.49	30.32	31.38	26.06	23.00	24.96	22.42	24.24	27.11	26.63	24.71	22.05	22.74	22.55	22.15	19.12
24028	0.70	0.65	0.58	0.45	0.40	0.56	0.91	1.22	1.25	1.61	1.72	1.42	1.39	1.71	1.50	1.71	1.84	1.95	1.60	1.29	1.29	1.33	1.22	0.98
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.17	18.72	18.94	14.64	14.07	16.16	20.39	22.90	23.79	29.48	30.59	25.48	22.46	24.24	21.84	23.63	26.48	25.89	23.95	21.36	22.18	21.99	21.58	18.63
23527	0.41	0.35	0.29	0.22	0.22	0.23	0.38	0.59	0.56	0.77	0.93	0.84	0.86	0.99	0.92	1.10	1.22	1.21	0.84	0.60	0.73	0.77	0.64	0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	17.74	18.22	18.49	14.37	13.81	15.88	19.90	22.30	23.20	28.68	29.71	24.75	21.79	23.49	21.18	22.84	25.66	25.14	23.37	20.89	21.60	21.36	20.99	18.19
24190	-0.02	-0.14	-0.16	-0.05	-0.04	-0.04	-0.11	-0.02	-0.04	-0.02	0.04	0.10	0.19	0.24	0.26	0.30	0.40	0.46	0.26	0.14	0.15	0.14	0.06	0.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	17.91	18.57	18.94	14.65	14.08	16.14	20.25	22.55	23.45	29.08	30.12	24.92	21.70	23.29	20.90	22.51	25.09	24.40	23.08	20.84	21.56	21.36	21.13	18.37
355683	0.14	0.20	0.29	0.24	0.22	0.21	0.24	0.23	0.22	0.37	0.46	0.27	0.09	0.04	-0.02	-0.03	-0.17	-0.28	-0.03	0.08	0.11	0.14	0.20	0.23
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	18.05	18.58	18.86	14.62	14.06	16.17	20.31	22.73	23.65	29.22	30.25	25.17	22.15	23.90	21.55	23.25	26.10	25.57	23.78	21.27	21.98	21.73	21.37	18.50
323833	0.29	0.22	0.21	0.20	0.20	0.25	0.30	0.41	0.42	0.52	0.59	0.53	0.55	0.65	0.63	0.71	0.84	0.89	0.68	0.51	0.53	0.52	0.43	0.35
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	18.05	18.57	18.86	14.62	14.06	16.16	20.31	22.72	23.64	29.22	30.25	25.17	22.15	23.89	21.54	23.24	26.10	25.56	23.77	21.26	21.98	21.73	21.37	18.49
323834	0.28	0.21	0.20	0.20	0.20	0.24	0.30	0.40	0.41	0.51	0.59	0.52	0.55	0.65	0.62	0.71	0.84	0.88	0.67	0.51	0.52	0.51	0.43	0.35
	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	17.74	18.22	18.49	14.37	13.81	15.88	19.90	22.30	23.20	28.68	29.71	24.75	21.79	23.49	21.18	22.84	25.66	25.14	23.37	20.89	21.60	21.36	20.99	18.19
23571	-0.02	-0.14	-0.16	-0.05	-0.04	-0.04	-0.11	-0.02	-0.04	-0.02	0.04	0.10	0.19	0.24	0.26	0.30	0.40	0.46	0.26	0.14	0.15	0.14	0.06	0.05
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.30 -0.02 0.00	23.20 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.19 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.89 0.14 0.00	21.60 0.15 0.00	21.36 0.14 0.00	20.99 0.06 0.00	18.19 0.05 0.00
ALBANY___3 23573	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.30 -0.02 0.00	23.20 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.19 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.89 0.14 0.00	21.60 0.15 0.00	21.36 0.14 0.00	20.99 0.06 0.00	18.19 0.05 0.00
ALBANY___4 23574	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.30 -0.02 0.00	23.20 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.19 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.89 0.14 0.00	21.60 0.15 0.00	21.36 0.14 0.00	20.99 0.06 0.00	18.19 0.05 0.00
ALBANY___LFGE 323615	17.90 0.14 0.00	18.39 0.03 0.00	18.66 0.01 0.00	14.49 0.07 0.00	13.93 0.07 0.00	16.02 0.09 0.00	20.09 0.08 0.00	22.53 0.21 0.00	23.45 0.21 0.00	29.00 0.29 0.00	30.04 0.37 0.00	25.02 0.37 0.00	22.03 0.42 0.00	23.75 0.51 0.00	21.41 0.50 0.00	23.10 0.56 0.00	25.96 0.69 0.00	25.43 0.75 0.00	23.63 0.52 0.00	21.12 0.37 0.00	21.83 0.38 0.00	21.60 0.38 0.00	21.22 0.29 0.00	18.38 0.24 0.00
ALCOA_PA_115KV_PL-6C 55860	18.03 0.27 0.00	18.70 0.34 0.00	19.09 0.44 0.00	14.77 0.35 0.00	14.19 0.33 0.00	16.25 0.32 0.00	20.38 0.36 0.00	22.69 0.37 0.00	23.59 0.36 0.00	29.25 0.54 0.00	30.31 0.64 0.00	25.08 0.43 0.00	21.83 0.22 0.00	23.43 0.18 0.00	21.01 0.09 0.00	22.63 0.09 0.00	25.59 -0.01 -0.34	24.71 -0.07 -0.10	24.38 0.10 -1.17	21.23 0.19 -0.28	21.68 0.23 0.00	21.47 0.25 0.00	21.26 0.33 0.00	18.50 0.35 0.00
ALCOA_RYNLDS___DRP 24188	18.03 0.27 0.00	18.70 0.34 0.00	19.09 0.44 0.00	14.77 0.35 0.00	14.19 0.33 0.00	16.25 0.32 0.00	20.38 0.36 0.00	22.69 0.37 0.00	23.59 0.36 0.00	29.25 0.54 0.00	30.31 0.64 0.00	25.08 0.43 0.00	21.83 0.22 0.00	23.43 0.18 0.00	21.01 0.09 0.00	22.63 0.09 0.00	25.59 -0.01 -0.34	24.71 -0.07 -0.10	24.38 0.10 -1.17	21.23 0.19 -0.28	21.68 0.23 0.00	21.47 0.25 0.00	21.26 0.33 0.00	18.50 0.35 0.00
ALCOA___DSASP 323711	18.03 0.27 0.00	18.70 0.34 0.00	19.09 0.44 0.00	14.77 0.35 0.00	14.19 0.33 0.00	16.25 0.32 0.00	20.38 0.36 0.00	22.69 0.37 0.00	23.59 0.36 0.00	29.25 0.54 0.00	30.31 0.64 0.00	25.08 0.43 0.00	21.83 0.22 0.00	23.43 0.18 0.00	21.01 0.10 0.00	22.63 0.09 0.00	25.59 -0.01 -0.34	24.71 -0.07 -0.10	24.38 0.10 -1.17	21.23 0.19 -0.28	21.68 0.23 0.00	21.47 0.25 0.00	21.26 0.33 0.00	18.49 0.35 0.00
ALLEGHENY___COGEN 23514	18.11 0.35 0.00	18.85 0.49 0.00	18.98 0.33 0.00	14.57 0.16 0.00	13.97 0.12 0.00	16.14 0.21 0.00	20.39 0.37 0.00	22.74 0.42 0.00	23.72 0.49 0.00	29.01 0.30 0.00	29.65 -0.01 0.00	24.51 -0.14 0.00	21.29 -0.31 0.00	22.86 -0.39 0.00	20.51 -0.41 0.00	21.96 -0.57 0.00	24.74 -0.52 0.00	24.40 -0.28 0.00	22.76 -0.34 0.00	20.57 -0.19 0.00	21.31 -0.14 0.00	20.85 -0.38 0.00	20.53 -0.40 0.00	17.65 -0.49 0.00
ALTAMONT_115KV_TB 2 55880	17.98 0.22 0.00	18.52 0.16 0.00	18.79 0.14 0.00	14.55 0.13 0.00	13.98 0.12 0.00	16.07 0.15 0.00	20.21 0.20 0.00	22.64 0.32 0.00	23.56 0.33 0.00	29.12 0.41 0.00	30.14 0.47 0.00	25.10 0.44 0.00	22.07 0.47 0.00	23.79 0.54 0.00	21.43 0.51 0.00	23.12 0.59 0.00	25.97 0.71 0.00	25.44 0.77 0.00	23.68 0.57 0.00	21.19 0.43 0.00	21.90 0.45 0.00	21.66 0.44 0.00	21.30 0.36 0.00	18.42 0.28 0.00
ALTONA_WT_PWR 323606	17.27 -0.49 0.00	18.03 -0.33 0.00	18.76 0.11 0.00	14.64 0.22 0.00	14.18 0.33 0.00	16.33 0.41 0.00	20.43 0.41 0.00	22.80 0.48 0.00	23.77 0.54 0.00	29.94 1.24 0.00	31.32 1.66 0.00	25.70 1.05 0.00	22.04 0.43 0.00	23.02 -0.23 0.00	20.56 -0.36 0.00	22.11 -0.43 0.00	11.74 12.64 3.66	20.11 -0.91 43.42	-21.01 -0.70 10.36	10.08 -0.31 10.36	21.25 -0.20 0.00	21.25 0.03 0.00	21.10 0.17 0.00	18.37 0.23 0.00
AMERICAN_REF_FUEL 24010	16.81 -0.95 0.00	17.55 -0.81 0.00	17.74 -0.91 0.00	13.68 -0.73 0.00	13.21 -0.65 0.00	15.24 -0.69 0.00	19.10 -0.91 0.00	21.05 -1.27 0.00	21.94 -1.29 0.00	26.85 -1.86 0.00	27.51 -2.16 0.00	22.68 -1.98 0.00	19.68 -1.93 0.00	21.16 -2.09 0.00	18.90 -2.02 0.00	20.32 -2.21 0.00	22.47 -2.79 0.00	21.83 -2.85 0.00	20.37 -2.73 0.00	18.59 -2.17 0.00	19.30 -2.15 0.00	18.98 -2.24 0.00	18.88 -2.06 0.00	16.29 -1.85 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	17.67 -0.10 0.00	18.36 -0.01 0.00	18.45 -0.20 0.00	14.16 -0.26 0.00	13.65 -0.20 0.00	15.77 -0.16 0.00	19.81 -0.20 0.00	21.92 -0.40 0.00	22.85 -0.39 0.00	28.13 -0.58 0.00	28.62 -1.05 0.00	23.50 -1.15 0.00	20.30 -1.30 0.00	21.95 -1.30 0.00	19.77 -1.15 0.00	21.25 -1.29 0.00	23.56 -1.71 0.00	22.98 -1.70 0.00	21.26 -1.85 0.00	19.19 -1.57 0.00	19.94 -1.51 0.00	19.64 -1.59 0.00	19.50 -1.43 0.00	16.87 -1.27 0.00
ARTHUR KILL_GT_1 23520	18.66 0.89 0.00	19.19 0.83 0.00	19.42 0.76 0.00	14.99 0.58 0.00	14.41 0.55 0.00	16.62 0.69 0.00	21.04 1.02 -0.01	23.46 1.14 0.00	24.52 1.28 -0.01	30.15 1.44 0.00	31.16 1.49 0.00	26.14 1.49 0.00	23.00 1.39 0.00	24.78 1.53 0.00	22.28 1.36 0.00	24.04 1.50 0.00	27.07 1.81 0.00	26.68 2.00 0.00	24.77 1.66 0.00	22.16 1.40 0.00	22.86 1.41 0.00	22.59 1.37 0.00	22.10 1.16 0.00	19.07 0.93 0.00
ARTHUR_KILL_2 23512	18.61 0.85 0.00	19.15 0.78 0.00	19.37 0.71 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.57 0.64 0.00	20.98 0.97 -0.01	23.39 1.07 0.00	24.45 1.21 -0.01	30.06 1.35 0.00	31.07 1.41 0.00	26.06 1.41 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.43 0.00	26.99 1.73 0.00	26.60 1.92 0.00	24.69 1.58 0.00	22.09 1.33 0.00	22.79 1.34 0.00	22.52 1.30 0.00	22.03 1.10 0.00	19.02 0.88 0.00
ARTHUR_KILL_3 23513	18.44 0.68 0.00	18.97 0.61 0.00	19.20 0.55 0.00	14.82 0.41 0.00	14.23 0.37 0.00	16.38 0.46 0.00	20.71 0.69 0.00	23.20 0.88 0.00	24.26 1.02 -0.01	29.89 1.18 0.00	30.90 1.23 0.00	25.85 1.20 0.00	22.77 1.17 0.00	24.49 1.25 0.00	22.06 1.14 0.00	23.56 1.26 0.24	26.48 1.55 0.33	26.39 1.71 0.00	24.50 1.39 0.00	21.89 1.12 0.00	22.59 1.13 0.00	22.33 1.11 0.00	21.85 0.92 0.00	18.88 0.74 0.00



ARTHUR_KILL_COGEN 323718	18.66 0.89 0.00	19.19 0.83 0.00	19.42 0.76 0.00	14.99 0.58 0.00	14.41 0.55 0.00	16.62 0.69 0.00	21.04 1.02 -0.01	23.46 1.14 0.00	24.52 1.28 -0.01	30.15 1.44 0.00	31.16 1.49 0.00	26.14 1.49 0.00	23.00 1.39 0.00	24.78 1.53 0.00	22.28 1.36 0.00	24.04 1.50 0.00	27.07 1.81 0.00	26.68 2.00 0.00	24.77 1.66 0.00	22.16 1.40 0.00	22.86 1.41 0.00	22.59 1.37 0.00	22.10 1.16 0.00	19.07 0.93 0.00
ASHOKAN____ 23654	18.28 0.51 0.00	18.79 0.43 0.00	19.07 0.41 0.00	14.76 0.35 0.00	14.20 0.34 0.00	16.36 0.43 0.00	20.63 0.62 0.00	23.18 0.85 0.00	24.18 0.94 0.00	29.87 1.17 0.00	30.86 1.20 0.00	25.79 1.14 0.00	22.75 1.14 0.00	24.54 1.30 0.00	22.12 1.20 0.00	23.93 1.39 0.00	26.88 1.61 0.00	26.41 1.73 0.00	24.56 1.45 0.00	21.94 1.19 0.00	22.65 1.20 0.00	22.36 1.13 0.00	21.90 0.96 0.00	18.90 0.75 0.00
ASTORIA_EAST_ENERGY_CC1 323581	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.57 0.64 0.00	20.97 0.96 0.00	23.47 1.15 0.00	24.51 1.27 0.00	30.04 1.33 0.00	31.13 1.46 0.00	26.10 1.46 0.00	22.97 1.36 0.00	24.70 1.46 0.00	22.28 1.35 0.00	24.01 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.12 1.36 0.00	22.74 1.29 0.00	22.54 1.32 0.00	22.05 1.11 0.00	19.06 0.92 0.00
ASTORIA_EAST_ENERGY_CC2 323582	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.57 0.64 0.00	20.97 0.96 0.00	23.47 1.15 0.00	24.51 1.27 0.00	30.04 1.33 0.00	31.13 1.46 0.00	26.10 1.46 0.00	22.97 1.36 0.00	24.70 1.46 0.00	22.27 1.35 0.00	24.01 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.12 1.36 0.00	22.74 1.29 0.00	22.54 1.32 0.00	22.05 1.11 0.00	19.06 0.91 0.00
ASTORIA_GT2_1 24094	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT2_2 24095	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT2_3 24096	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT2_4 24097	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT3_1 24098	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT3_2 24099	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT3_3 24100	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT3_4 24101	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT4_1 24102	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT4_2 24103	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT4_3 24104	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00



ASTORIA_GT4_4 24105	18.62 0.85 0.00	19.16 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.58 0.65 0.00	20.99 0.97 0.00	23.44 1.12 0.00	24.52 1.29 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.73 1.49 0.00	22.31 1.39 0.00	24.02 1.48 0.00	27.07 1.80 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.15 1.39 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.06 0.92 0.00
ASTORIA_GT_1 23523	18.64 0.88 0.00	19.19 0.82 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.54 0.00	16.60 0.67 0.00	21.01 1.00 0.00	23.52 1.20 0.00	24.56 1.33 0.00	30.12 1.41 0.00	31.21 1.55 0.00	26.17 1.52 0.00	23.02 1.42 0.00	24.77 1.52 0.00	22.33 1.41 0.00	24.07 1.53 0.00	27.13 1.87 0.00	26.72 2.04 0.00	24.75 1.65 0.00	22.17 1.42 0.00	22.80 1.35 0.00	22.60 1.38 0.00	22.10 1.17 0.00	19.10 0.96 0.00
ASTORIA_GT_10 24110	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.91 1.31 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.92 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	22.00 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.00 0.86 0.00
ASTORIA_GT_11 24225	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.91 1.31 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.92 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	22.00 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.00 0.86 0.00
ASTORIA_GT_12 24226	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.91 1.31 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.92 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	22.00 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.00 0.86 0.00
ASTORIA_GT_13 24227	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.91 1.31 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.92 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	22.00 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.00 0.86 0.00
ASTORIA_GT_5 24106	18.64 0.88 0.00	19.19 0.82 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.54 0.00	16.60 0.67 0.00	21.02 1.00 0.00	23.48 1.17 0.00	24.56 1.33 0.00	30.12 1.41 0.00	31.22 1.55 0.00	26.17 1.52 0.00	23.02 1.42 0.00	24.78 1.53 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.13 1.87 0.00	26.72 2.04 0.00	24.75 1.64 0.00	22.20 1.44 0.00	22.79 1.34 0.00	22.60 1.38 0.00	22.10 1.17 0.00	19.10 0.96 0.00
ASTORIA_GT_7 24107	18.64 0.88 0.00	19.19 0.82 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.54 0.00	16.60 0.67 0.00	21.02 1.00 0.00	23.48 1.17 0.00	24.56 1.33 0.00	30.12 1.41 0.00	31.22 1.55 0.00	26.17 1.52 0.00	23.02 1.42 0.00	24.78 1.53 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.13 1.87 0.00	26.72 2.04 0.00	24.75 1.64 0.00	22.20 1.44 0.00	22.79 1.34 0.00	22.60 1.38 0.00	22.10 1.17 0.00	19.10 0.96 0.00
ASTORIA_GT_8 24108	18.64 0.88 0.00	19.19 0.82 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.54 0.00	16.60 0.67 0.00	21.02 1.00 0.00	23.48 1.17 0.00	24.56 1.33 0.00	30.12 1.41 0.00	31.22 1.55 0.00	26.17 1.52 0.00	23.02 1.42 0.00	24.78 1.53 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.13 1.87 0.00	26.72 2.04 0.00	24.75 1.64 0.00	22.20 1.44 0.00	22.79 1.34 0.00	22.60 1.38 0.00	22.10 1.17 0.00	19.10 0.96 0.00
ASTORIA___2 24149	18.62 0.85 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.52 0.00	16.57 0.65 0.00	20.99 0.98 0.00	23.48 1.16 0.00	24.52 1.28 0.00	30.06 1.35 0.00	31.15 1.49 0.00	26.12 1.47 0.00	22.98 1.38 0.00	24.72 1.47 0.00	22.28 1.36 0.00	24.02 1.48 0.00	27.07 1.81 0.00	26.66 1.98 0.00	24.70 1.59 0.00	22.13 1.37 0.00	22.75 1.30 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.07 0.93 0.00
ASTORIA___3 23516	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.38 1.06 0.00	24.43 1.20 0.00	30.08 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.92 1.31 0.00	24.62 1.37 0.00	22.17 1.25 0.00	23.91 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	21.99 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.01 0.87 0.00
ASTORIA___4 23517	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.91 1.31 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.92 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	22.00 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.00 0.86 0.00
ASTORIA___5 23518	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.38 1.06 0.00	24.43 1.20 0.00	30.08 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.92 1.31 0.00	24.62 1.37 0.00	22.17 1.25 0.00	23.91 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	21.99 1.23 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.01 0.87 0.00
AST_ENERGY_2_CC3 323677	18.52 0.75 0.00	19.05 0.68 0.00	19.26 0.61 0.00	14.87 0.45 0.00	14.27 0.41 0.00	16.44 0.52 0.00	20.76 0.75 0.00	23.27 0.95 0.00	24.32 1.08 0.00	29.96 1.26 0.00	30.99 1.33 0.00	25.94 1.29 0.00	22.86 1.25 0.00	24.59 1.34 0.00	22.14 1.22 0.00	23.87 1.33 0.00	26.91 1.65 0.00	26.48 1.80 0.00	24.57 1.46 0.00	21.95 1.19 0.00	22.64 1.19 0.00	22.39 1.17 0.00	21.91 0.98 0.00	18.96 0.82 0.00
AST_ENERGY_2_CC4 323678	18.52 0.75 0.00	19.05 0.68 0.00	19.26 0.61 0.00	14.87 0.45 0.00	14.27 0.41 0.00	16.44 0.52 0.00	20.76 0.75 0.00	23.27 0.95 0.00	24.32 1.08 0.00	29.96 1.26 0.00	30.99 1.33 0.00	25.94 1.29 0.00	22.86 1.25 0.00	24.59 1.34 0.00	22.14 1.22 0.00	23.87 1.33 0.00	26.91 1.65 0.00	26.48 1.80 0.00	24.57 1.46 0.00	21.95 1.19 0.00	22.64 1.19 0.00	22.39 1.17 0.00	21.91 0.98 0.00	18.96 0.82 0.00



ATHENS_STG_1 23668	18.11 0.35 0.00	18.66 0.30 0.00	18.93 0.28 0.00	14.63 0.22 0.00	14.06 0.20 0.00	16.15 0.23 0.00	20.36 0.34 0.00	22.79 0.48 0.00	23.75 0.51 0.00	29.34 0.63 0.00	30.35 0.68 0.00	25.31 0.66 0.00	22.28 0.67 0.00	24.00 0.75 0.00	21.61 0.69 0.00	23.31 0.77 0.00	26.21 0.95 0.00	25.71 1.03 0.00	23.91 0.80 0.00	21.38 0.62 0.00	22.09 0.64 0.00	21.86 0.64 0.00	21.47 0.53 0.00	18.56 0.42 0.00
ATHENS_STG_2 23670	18.11 0.35 0.00	18.66 0.30 0.00	18.93 0.28 0.00	14.63 0.22 0.00	14.06 0.20 0.00	16.15 0.23 0.00	20.36 0.34 0.00	22.79 0.48 0.00	23.75 0.51 0.00	29.34 0.63 0.00	30.35 0.68 0.00	25.31 0.66 0.00	22.28 0.67 0.00	24.00 0.75 0.00	21.61 0.69 0.00	23.31 0.77 0.00	26.21 0.95 0.00	25.71 1.03 0.00	23.91 0.80 0.00	21.38 0.62 0.00	22.09 0.64 0.00	21.86 0.64 0.00	21.47 0.53 0.00	18.56 0.42 0.00
ATHENS_STG_3 23677	18.11 0.35 0.00	18.66 0.30 0.00	18.93 0.28 0.00	14.63 0.22 0.00	14.06 0.20 0.00	16.15 0.23 0.00	20.36 0.34 0.00	22.79 0.48 0.00	23.75 0.51 0.00	29.34 0.63 0.00	30.35 0.68 0.00	25.31 0.66 0.00	22.28 0.67 0.00	24.00 0.75 0.00	21.61 0.69 0.00	23.31 0.77 0.00	26.21 0.95 0.00	25.71 1.03 0.00	23.91 0.80 0.00	21.38 0.62 0.00	22.09 0.64 0.00	21.86 0.64 0.00	21.47 0.53 0.00	18.56 0.42 0.00
AUBURN___LFGE 323710	18.06 0.30 0.00	18.66 0.30 0.00	18.89 0.24 0.00	14.59 0.18 0.00	13.97 0.12 0.00	16.11 0.19 0.00	20.40 0.39 0.00	22.68 0.36 0.00	23.69 0.46 0.00	28.95 0.25 0.00	29.54 -0.13 0.00	24.49 -0.16 0.00	21.51 -0.10 0.00	23.18 -0.06 0.00	20.80 -0.13 0.00	22.45 -0.09 0.00	25.18 -0.08 0.00	24.58 -0.10 0.00	23.00 -0.10 0.00	20.72 -0.04 0.00	21.34 -0.11 0.00	21.09 -0.13 0.00	20.80 -0.13 0.00	18.02 -0.13 0.00
BABYLON_RES_REC 323704	18.83 1.07 0.00	19.32 0.96 0.00	19.56 0.90 0.00	15.09 0.67 0.00	14.51 0.65 0.00	16.75 0.82 0.00	21.22 1.21 0.00	23.83 1.51 0.00	24.92 1.69 0.00	30.59 1.89 0.00	31.66 1.99 0.00	26.52 1.87 0.00	23.43 1.83 0.00	25.19 1.94 0.00	22.61 1.69 0.00	24.36 1.82 0.00	27.59 2.32 0.00	27.14 2.46 0.00	25.15 2.04 0.00	22.46 1.70 0.00	23.10 1.65 0.00	22.89 1.67 0.00	22.44 1.51 0.00	19.54 1.30 -0.09
BABYLON__69_KV_BK2 356345	19.01 1.24 0.00	19.50 1.13 0.00	19.73 1.09 0.00	15.22 0.81 0.00	14.63 0.78 0.00	16.91 0.99 0.00	21.43 1.42 0.00	24.08 1.76 0.00	25.18 1.95 0.00	30.89 2.18 0.00	31.93 2.27 0.00	26.76 2.11 0.00	23.66 2.05 0.00	25.43 2.18 0.00	22.82 1.90 0.00	24.58 2.04 0.00	27.86 2.60 0.00	27.44 2.76 0.00	25.42 2.31 0.00	22.70 1.95 0.00	23.34 1.89 0.00	23.13 1.91 0.00	22.67 1.74 0.00	19.74 1.50 -0.09
BALL_HILL_WT_PWR 323825	17.47 -0.29 0.00	18.19 -0.17 0.00	18.32 -0.33 0.00	14.09 -0.33 0.00	13.58 -0.27 0.00	15.69 -0.24 0.00	19.70 -0.31 0.00	21.81 -0.51 0.00	22.74 -0.49 0.00	27.93 -0.78 0.00	28.50 -1.17 0.00	23.48 -1.17 0.00	20.37 -1.23 0.00	21.95 -1.30 0.00	19.74 -1.18 0.00	21.18 -1.36 0.00	23.48 -1.78 0.00	22.99 -1.69 0.00	21.35 -1.76 0.00	19.32 -1.44 0.00	20.06 -1.40 0.00	19.73 -1.49 0.00	19.59 -1.35 0.00	16.88 -1.26 0.00
BARON_WINDS___WT_PWR 323822	17.58 -0.18 0.00	18.31 -0.06 0.00	18.34 -0.31 0.00	14.04 -0.38 0.00	13.35 -0.50 0.00	15.35 -0.57 0.00	19.26 -0.75 0.00	21.42 -0.90 0.00	22.38 -0.85 0.00	27.56 -1.15 0.00	28.20 -1.47 0.00	23.43 -1.22 0.00	20.34 -1.26 0.00	21.86 -1.39 0.00	19.64 -1.28 0.00	21.10 -1.43 0.00	23.54 -1.72 0.00	23.21 -1.47 0.00	21.59 -1.52 0.00	19.45 -1.31 0.00	20.16 -1.29 0.00	19.78 -1.45 0.00	19.49 -1.45 0.00	16.82 -1.32 0.00
BARRETT_IC_1 23704	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_10 23701	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_11 23702	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_12 23703	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_2 23705	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_3 23706	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_4 23707	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09



BARRETT_IC_5 23708	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_6 23709	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_7 23710	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.23 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.33 1.66 0.00	26.25 1.61 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.40 1.48 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.24 1.48 0.00	22.90 1.45 0.00	22.66 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_8 23711	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT_IC_9 23700	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT___1 23545	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BARRETT___2 23546	18.64 0.88 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.36 0.51 0.00	16.58 0.65 0.00	20.98 0.97 0.00	23.55 1.24 0.00	24.61 1.38 0.00	30.26 1.55 0.00	31.32 1.66 0.00	26.25 1.60 0.00	23.16 1.56 0.00	24.91 1.66 0.00	22.39 1.47 0.00	24.13 1.60 0.00	27.26 2.00 0.00	26.81 2.13 0.00	24.86 1.75 0.00	22.23 1.47 0.00	22.90 1.45 0.00	22.67 1.45 0.00	22.23 1.29 0.00	19.29 1.06 -0.09
BATAVIA___115KV_TB1 55881	17.49 -0.27 0.00	18.22 -0.14 0.00	18.41 -0.23 0.00	14.21 -0.21 0.00	13.72 -0.14 0.00	15.88 -0.05 0.00	20.00 -0.01 0.00	22.17 -0.15 0.00	23.14 -0.10 0.00	28.35 -0.36 0.00	29.02 -0.64 0.00	23.96 -0.69 0.00	20.82 -0.79 0.00	22.39 -0.86 0.00	20.05 -0.87 0.00	21.58 -0.96 0.00	23.96 -1.30 0.00	23.37 -1.31 0.00	21.81 -1.30 0.00	19.80 -0.96 0.00	20.53 -0.92 0.00	20.15 -1.07 0.00	19.97 -0.96 0.00	17.21 -0.93 0.00
BAYONEEC___CTG1 323682	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG10 323750	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG2 323683	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG3 323684	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG4 323685	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG5 323686	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG6 323687	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00



BAYONEEC___CTG7 323688	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG8 323689	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BAYONEEC___CTG9 323749	18.52 0.76 0.00	19.05 0.69 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.02 1.36 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.61 1.36 0.00	22.17 1.25 0.00	23.91 1.37 0.00	26.94 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.94 1.01 0.00	18.97 0.82 0.00
BEACON___LESR 323632	17.98 0.22 0.00	18.47 0.10 0.00	18.75 0.10 0.00	14.54 0.13 0.00	13.98 0.12 0.00	16.11 0.19 0.00	20.26 0.25 0.00	22.75 0.43 0.00	23.62 0.39 0.00	29.26 0.55 0.00	30.25 0.58 0.00	25.19 0.54 0.00	22.19 0.58 0.00	23.92 0.67 0.00	21.58 0.66 0.00	23.32 0.78 0.00	26.20 0.93 0.00	25.69 1.01 0.00	23.89 0.78 0.00	21.33 0.57 0.00	22.07 0.62 0.00	21.78 0.56 0.00	21.40 0.46 0.00	18.50 0.36 0.00
BEAVER RIVER___HYD 24048	17.26 -0.50 0.00	18.12 -0.25 0.00	18.49 -0.16 0.00	14.21 -0.21 0.00	13.79 -0.06 0.00	15.90 -0.03 0.00	19.86 -0.15 0.00	22.16 -0.16 0.00	22.93 -0.30 0.00	28.40 -0.31 0.00	29.32 -0.34 0.00	24.06 -0.59 0.00	20.92 -0.69 0.00	22.53 -0.71 0.00	20.17 -0.75 0.00	21.60 -0.94 0.00	24.95 -1.07 -0.75	23.98 -0.92 -0.22	25.02 -0.66 -2.57	20.75 -0.62 -0.61	20.60 -0.85 0.00	20.44 -0.78 0.00	20.50 -0.44 0.00	17.83 -0.31 0.00
BEEBEE_GT_13 23619	17.39 -0.37 0.00	18.07 -0.29 0.00	18.29 -0.37 0.00	14.12 -0.30 0.00	13.61 -0.25 0.00	15.72 -0.21 0.00	19.79 -0.22 0.00	21.97 -0.35 0.00	22.90 -0.33 0.00	28.12 -0.59 0.00	28.86 -0.80 0.00	23.87 -0.78 0.00	20.80 -0.80 0.00	22.40 -0.85 0.00	20.09 -0.83 0.00	21.63 -0.91 0.00	24.08 -1.18 0.00	23.50 -1.18 0.00	21.95 -1.15 0.00	19.86 -0.90 0.00	20.56 -0.89 0.00	20.25 -0.97 0.00	20.04 -0.90 0.00	17.31 -0.83 0.00
BENSHRST_27_KV_BENSHRST_1 355998	18.71 0.94 0.00	19.24 0.88 0.00	19.45 0.80 0.00	15.02 0.60 0.00	14.42 0.56 0.00	16.63 0.71 0.00	21.11 1.09 -0.01	23.60 1.28 0.00	24.70 1.46 -0.01	30.41 1.70 0.00	31.44 1.77 0.00	26.31 1.66 0.00	23.14 1.54 0.00	24.92 1.67 0.00	22.43 1.51 0.00	24.19 1.65 0.00	27.24 1.98 0.00	26.83 2.16 0.00	24.90 1.79 0.00	22.28 1.52 0.00	22.97 1.51 0.00	22.70 1.48 0.00	22.20 1.27 0.00	19.15 1.01 0.00
BETHLEHEM___GRP 23843	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.30 -0.02 0.00	23.20 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.19 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.89 0.14 0.00	21.60 0.15 0.00	21.36 0.14 0.00	20.99 0.06 0.00	18.19 0.05 0.00
BETHLEHEM___GS1 323560	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.29 -0.03 0.00	23.19 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.18 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.90 0.14 0.00	21.60 0.15 0.00	21.37 0.15 0.00	21.00 0.06 0.00	18.20 0.06 0.00
BETHLEHEM___GS2 323561	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.29 -0.03 0.00	23.19 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.18 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.90 0.14 0.00	21.60 0.15 0.00	21.37 0.15 0.00	21.00 0.06 0.00	18.20 0.06 0.00
BETHLEHEM___GS3 323562	17.74 -0.02 0.00	18.22 -0.14 0.00	18.49 -0.16 0.00	14.37 -0.05 0.00	13.81 -0.04 0.00	15.88 -0.04 0.00	19.90 -0.11 0.00	22.29 -0.03 0.00	23.19 -0.04 0.00	28.68 -0.02 0.00	29.71 0.04 0.00	24.75 0.10 0.00	21.79 0.18 0.00	23.49 0.24 0.00	21.18 0.26 0.00	22.84 0.30 0.00	25.66 0.40 0.00	25.14 0.46 0.00	23.37 0.26 0.00	20.90 0.14 0.00	21.60 0.15 0.00	21.37 0.15 0.00	21.00 0.06 0.00	18.20 0.06 0.00
BETHLEHEM___STEEL 23779	17.47 -0.29 0.00	18.21 -0.16 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.23 0.00	15.73 -0.19 0.00	19.75 -0.26 0.00	21.84 -0.48 0.00	22.78 -0.46 0.00	27.92 -0.78 0.00	28.55 -1.12 0.00	23.56 -1.09 0.00	20.44 -1.17 0.00	22.00 -1.26 0.00	19.69 -1.23 0.00	21.19 -1.35 0.00	23.45 -1.81 0.00	22.88 -1.79 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.11 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.92 -1.22 0.00
BETHLHEM_115KV_TB1 79974	17.79 0.03 0.00	18.29 -0.08 0.00	18.56 -0.10 0.00	14.41 -0.01 0.00	13.85 -0.01 0.00	15.92 0.00 0.00	19.96 -0.05 0.00	22.37 0.05 0.00	23.27 0.04 0.00	28.77 0.07 0.00	29.80 0.13 0.00	24.82 0.17 0.00	21.85 0.25 0.00	23.56 0.31 0.00	21.24 0.32 0.00	22.90 0.37 0.00	25.73 0.47 0.00	25.21 0.53 0.00	23.43 0.32 0.00	20.96 0.20 0.00	21.66 0.21 0.00	21.43 0.21 0.00	21.06 0.12 0.00	18.23 0.09 0.00
BETHPAGE_CC_5 323564	18.78 1.02 0.00	19.28 0.92 0.00	19.51 0.85 0.00	15.05 0.64 0.00	14.46 0.61 0.00	16.71 0.78 0.00	21.15 1.14 0.00	23.74 1.42 0.00	24.81 1.58 0.00	30.48 1.78 0.00	31.56 1.89 0.00	26.45 1.80 0.00	23.35 1.75 0.00	25.11 1.86 0.00	22.55 1.64 0.00	24.29 1.76 0.00	27.50 2.23 0.00	27.04 2.36 0.00	25.06 1.95 0.00	22.40 1.64 0.00	23.04 1.59 0.00	22.83 1.61 0.00	22.39 1.45 0.00	19.47 1.24 -0.09
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	17.57 -0.19 0.00	18.31 -0.05 0.00	18.46 -0.19 0.00	14.22 -0.19 0.00	13.70 -0.15 0.00	15.81 -0.11 0.00	19.86 -0.15 0.00	21.98 -0.34 0.00	22.92 -0.31 0.00	28.10 -0.61 0.00	28.73 -0.94 0.00	23.72 -0.93 0.00	20.57 -1.03 0.00	22.14 -1.11 0.00	19.83 -1.09 0.00	21.34 -1.20 0.00	23.63 -1.63 0.00	23.08 -1.60 0.00	21.51 -1.60 0.00	19.51 -1.25 0.00	20.25 -1.20 0.00	19.91 -1.31 0.00	19.75 -1.18 0.00	17.03 -1.12 0.00



BINGHAMTON___COGEN 23790	17.77 0.01 0.00	18.39 0.03 0.00	18.61 -0.04 0.00	14.35 -0.07 0.00	13.79 -0.07 0.00	15.89 -0.04 0.00	19.99 -0.02 0.00	22.31 -0.01 0.00	23.25 0.02 0.00	28.68 -0.03 0.00	29.45 -0.21 0.00	24.52 -0.13 0.00	21.46 -0.14 0.00	23.13 -0.12 0.00	20.85 -0.07 0.00	22.40 -0.13 0.00	25.12 -0.14 0.00	24.69 0.02 0.00	23.02 -0.09 0.00	20.66 -0.09 0.00	21.36 -0.10 0.00	21.08 -0.14 0.00	20.79 -0.14 0.00	17.96 -0.18 0.00
BIXINCNT_115KV_LOAD 355685	17.96 0.20 0.00	18.65 0.29 0.00	18.74 0.09 0.00	14.41 -0.01 0.00	13.78 -0.07 0.00	15.84 -0.08 0.00	19.94 -0.07 0.00	22.09 -0.24 0.00	23.05 -0.19 0.00	28.14 -0.57 0.00	28.80 -0.87 0.00	23.87 -0.78 0.00	20.57 -1.03 0.00	22.05 -1.20 0.00	19.84 -1.08 0.00	21.55 -0.99 0.00	23.80 -1.46 0.00	23.42 -1.26 0.00	21.79 -1.32 0.00	19.54 -1.22 0.00	20.19 -1.27 0.00	20.04 -1.18 0.00	19.76 -1.18 0.00	16.98 -1.16 0.00
BLACK RIVER___HYD 24047	17.14 -0.62 0.00	18.03 -0.34 0.00	18.40 -0.25 0.00	14.13 -0.29 0.00	13.74 -0.12 0.00	15.88 -0.04 0.00	19.85 -0.16 0.00	22.16 -0.16 0.00	22.95 -0.28 0.00	28.37 -0.34 0.00	29.18 -0.49 0.00	23.90 -0.75 0.00	20.76 -0.85 0.00	22.38 -0.87 0.00	20.04 -0.88 0.00	21.47 -1.06 0.00	24.65 -1.13 -0.52	23.85 -0.98 -0.15	24.15 -0.75 -1.79	20.48 -0.71 -0.43	20.51 -0.94 0.00	20.35 -0.87 0.00	20.35 -0.59 0.00	17.67 -0.47 0.00
BLACKRVR_115KV_TB2 79977	17.14 -0.62 0.00	18.03 -0.34 0.00	18.40 -0.25 0.00	14.13 -0.29 0.00	13.74 -0.12 0.00	15.88 -0.04 0.00	19.85 -0.16 0.00	22.16 -0.16 0.00	22.95 -0.28 0.00	28.37 -0.34 0.00	29.18 -0.49 0.00	23.90 -0.75 0.00	20.76 -0.85 0.00	22.38 -0.87 0.00	20.04 -0.88 0.00	21.47 -1.06 0.00	24.65 -1.13 -0.52	23.85 -0.98 -0.15	24.15 -0.75 -1.79	20.48 -0.71 -0.43	20.51 -0.94 0.00	20.35 -0.87 0.00	20.35 -0.59 0.00	17.67 -0.47 0.00
BLISS_WT_PWR 323608	17.98 0.22 0.00	18.66 0.30 0.00	18.73 0.08 0.00	14.39 -0.02 0.00	13.75 -0.11 0.00	15.77 -0.15 0.00	19.85 -0.16 0.00	21.97 -0.35 0.00	22.93 -0.30 0.00	27.97 -0.73 0.00	28.68 -0.99 0.00	23.78 -0.87 0.00	20.45 -1.16 0.00	21.89 -1.36 0.00	19.72 -1.20 0.00	21.47 -1.07 0.00	23.67 -1.59 0.00	23.31 -1.37 0.00	21.68 -1.43 0.00	19.41 -1.35 0.00	20.01 -1.44 0.00	19.92 -1.30 0.00	19.61 -1.33 0.00	16.81 -1.33 0.00
BLUESTONE___WT_PWR 323821	18.30 0.54 0.00	18.76 0.39 0.00	19.15 0.50 0.00	14.48 0.06 0.00	13.93 0.07 0.00	16.14 0.21 0.00	20.53 0.52 0.00	22.30 -0.02 0.00	23.12 -0.12 0.00	28.55 -0.16 0.00	29.27 -0.40 0.00	24.40 -0.25 0.00	21.46 -0.14 0.00	23.09 -0.15 0.00	20.89 -0.03 0.00	22.56 0.02 0.00	25.53 0.27 0.00	25.26 0.58 0.00	23.44 0.33 0.00	21.35 0.59 0.00	22.04 0.59 0.00	21.61 0.39 0.00	21.04 0.10 0.00	18.23 0.09 0.00
BLUE_CIRC_CHEM_DRP 24182	17.96 0.20 0.00	18.49 0.13 0.00	18.78 0.13 0.00	14.55 0.14 0.00	13.99 0.14 0.00	16.09 0.16 0.00	20.20 0.19 0.00	22.60 0.29 0.00	23.52 0.28 0.00	29.06 0.35 0.00	30.09 0.42 0.00	25.05 0.40 0.00	22.03 0.43 0.00	23.75 0.51 0.00	21.41 0.49 0.00	23.11 0.57 0.00	25.93 0.67 0.00	25.39 0.71 0.00	23.62 0.51 0.00	21.13 0.37 0.00	21.84 0.39 0.00	21.61 0.39 0.00	21.25 0.31 0.00	18.39 0.25 0.00
BOC_GAS_DRP 24189	17.92 0.16 0.00	18.46 0.09 0.00	18.73 0.08 0.00	14.50 0.09 0.00	13.94 0.08 0.00	16.02 0.09 0.00	20.13 0.12 0.00	22.53 0.21 0.00	23.46 0.23 0.00	29.00 0.29 0.00	30.00 0.34 0.00	24.99 0.34 0.00	21.99 0.38 0.00	23.69 0.45 0.00	21.34 0.42 0.00	23.02 0.48 0.00	25.86 0.59 0.00	25.34 0.66 0.00	23.57 0.46 0.00	21.09 0.33 0.00	21.80 0.35 0.00	21.57 0.35 0.00	21.20 0.27 0.00	18.35 0.21 0.00
BOONVILLE_115KV_TB1 79983	17.82 0.05 0.00	18.54 0.18 0.00	18.85 0.20 0.00	14.52 0.11 0.00	14.03 0.17 0.00	16.19 0.26 0.00	20.34 0.33 0.00	22.71 0.39 0.00	23.60 0.36 0.00	29.18 0.47 0.00	30.13 0.46 0.00	24.91 0.26 0.00	21.77 0.17 0.00	23.45 0.20 0.00	21.08 0.16 0.00	22.62 0.08 0.00	25.68 0.13 -0.29	24.98 0.22 -0.08	24.38 0.26 -1.01	21.20 0.20 -0.24	21.53 0.07 0.00	21.29 0.07 0.00	21.15 0.21 0.00	18.33 0.19 0.00
BORALEX_4TH_BRANCH 23824	18.17 0.41 0.00	18.72 0.35 0.00	18.94 0.29 0.00	14.64 0.22 0.00	14.07 0.22 0.00	16.16 0.24 0.00	20.40 0.38 0.00	22.90 0.59 0.00	23.79 0.56 0.00	29.48 0.77 0.00	30.59 0.93 0.00	25.49 0.84 0.00	22.46 0.86 0.00	24.24 1.00 0.00	21.84 0.92 0.00	23.63 1.10 0.00	26.49 1.22 0.00	25.89 1.22 0.00	23.95 0.84 0.00	21.36 0.60 0.00	22.18 0.73 0.00	21.99 0.77 0.00	21.58 0.64 0.00	18.63 0.49 0.00
BOWLINE___1 23526	18.37 0.61 0.00	18.92 0.55 0.00	19.15 0.49 0.00	14.77 0.36 0.00	14.19 0.33 0.00	16.35 0.42 0.00	20.66 0.64 0.00	23.14 0.82 0.00	24.17 0.94 0.00	29.82 1.12 0.00	30.80 1.13 0.00	25.74 1.09 0.00	22.67 1.06 0.00	24.40 1.15 0.00	21.98 1.06 0.00	23.69 1.15 0.00	26.73 1.47 0.00	26.30 1.63 0.00	24.43 1.31 0.00	21.81 1.05 0.00	22.52 1.07 0.00	22.27 1.05 0.00	21.82 0.88 0.00	18.84 0.70 0.00
BOWLINE___2 23595	18.38 0.62 0.00	18.92 0.55 0.00	19.15 0.49 0.00	14.77 0.36 0.00	14.19 0.33 0.00	16.35 0.42 0.00	20.66 0.64 0.00	23.15 0.83 0.00	24.17 0.94 0.00	29.82 1.12 0.00	30.80 1.13 0.00	25.75 1.10 0.00	22.67 1.06 0.00	24.40 1.15 0.00	21.98 1.06 0.00	23.69 1.15 0.00	26.73 1.47 0.00	26.30 1.63 0.00	24.43 1.31 0.00	21.81 1.05 0.00	22.52 1.07 0.00	22.27 1.05 0.00	21.82 0.88 0.00	18.84 0.70 0.00
BRADY___115KV_TB2 356060	18.14 0.38 0.00	18.83 0.46 0.00	19.23 0.58 0.00	14.88 0.47 0.00	14.30 0.45 0.00	16.36 0.43 0.00	20.53 0.52 0.00	22.89 0.57 0.00	23.80 0.57 0.00	29.51 0.80 0.00	30.59 0.92 0.00	25.32 0.67 0.00	22.03 0.43 0.00	23.64 0.39 0.00	21.18 0.25 0.00	22.81 0.27 0.00	26.31 0.16 -0.89	25.06 0.12 -0.26	26.44 0.28 -3.05	21.86 0.37 -0.73	21.86 0.40 0.00	21.64 0.42 0.00	21.43 0.49 0.00	18.64 0.50 0.00
BRANSCOMB___SOLAR 323811	18.28 0.52 0.00	18.83 0.47 0.00	19.07 0.42 0.00	14.75 0.33 0.00	14.16 0.31 0.00	16.33 0.41 0.00	20.65 0.64 0.00	23.18 0.86 0.00	24.12 0.88 0.00	29.86 1.15 0.00	30.91 1.24 0.00	25.69 1.04 0.00	22.63 1.03 0.00	24.48 1.23 0.00	22.02 1.10 0.00	23.82 1.28 0.00	26.70 1.43 0.00	26.18 1.50 0.00	24.31 1.20 0.00	21.72 0.96 0.00	22.43 0.98 0.00	22.22 1.00 0.00	21.83 0.89 0.00	18.85 0.71 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	18.93 1.17 0.00	19.43 1.07 0.00	19.67 1.02 0.00	15.17 0.76 0.00	14.59 0.73 0.00	16.86 0.93 0.00	21.34 1.33 0.00	23.98 1.66 0.00	25.09 1.85 0.00	30.74 2.04 0.00	31.80 2.13 0.00	26.65 2.00 0.00	23.55 1.95 0.00	25.30 2.06 0.00	22.74 1.82 0.00	24.47 1.93 0.00	27.73 2.47 0.00	27.27 2.59 0.00	25.26 2.15 0.00	22.56 1.80 0.00	23.18 1.73 0.00	22.99 1.77 0.00	22.55 1.62 0.00	19.66 1.43 -0.09



BRISTLHL_115KV_TB1 79998	17.37 -0.39 0.00	17.97 -0.39 0.00	18.22 -0.43 0.00	14.07 -0.35 0.00	13.54 -0.32 0.00	15.59 -0.34 0.00	19.56 -0.45 0.00	21.76 -0.56 0.00	22.64 -0.59 0.00	27.92 -0.79 0.00	28.76 -0.90 0.00	23.89 -0.75 0.00	20.96 -0.65 0.00	22.56 -0.68 0.00	20.32 -0.60 0.00	21.88 -0.65 0.00	24.53 -0.73 0.00	24.01 -0.67 0.00	22.44 -0.67 0.00	20.18 -0.58 0.00	20.84 -0.61 0.00	20.59 -0.63 0.00	20.35 -0.58 0.00	17.62 -0.52 0.00
BROOKHAVEN___DRP 24191	18.83 1.06 0.00	19.35 0.99 0.00	19.58 0.93 0.00	15.11 0.70 0.00	14.53 0.68 0.00	16.77 0.84 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.94 1.71 0.00	30.35 1.64 0.00	31.34 1.67 0.00	26.26 1.61 0.00	23.23 1.63 0.00	24.99 1.74 0.00	22.47 1.55 0.00	24.13 1.60 0.00	27.37 2.11 0.00	26.95 2.28 0.00	24.96 1.86 0.00	22.29 1.53 0.00	22.90 1.45 0.00	22.75 1.53 0.00	22.36 1.42 0.00	19.56 1.33 -0.09
BROOKLYN_NAVY_YARD 23515	18.51 0.75 0.00	19.04 0.68 0.00	19.26 0.61 0.00	14.86 0.45 0.00	14.27 0.41 0.00	16.44 0.51 0.00	20.77 0.76 0.00	23.30 0.98 0.00	24.35 1.12 0.00	30.03 1.32 0.00	31.04 1.38 0.00	25.98 1.33 0.00	22.89 1.29 0.00	24.63 1.38 0.00	22.20 1.27 0.00	23.91 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.63 1.52 0.00	22.01 1.25 0.00	22.69 1.24 0.00	22.44 1.22 0.00	21.95 1.01 0.00	18.98 0.84 0.00
BROOKLYN___ARMY_DRP 323595	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
BROOKVLE_69_KV_TB1 55790	18.80 1.04 0.00	19.30 0.94 0.00	19.52 0.87 0.00	15.07 0.66 0.00	14.48 0.62 0.00	16.71 0.79 0.00	21.16 1.15 0.00	23.77 1.45 0.00	24.83 1.60 0.00	30.55 1.84 0.00	31.63 1.96 0.00	26.50 1.85 0.00	23.39 1.79 0.00	25.16 1.91 0.00	22.61 1.69 0.00	24.37 1.83 0.00	27.55 2.29 0.00	27.04 2.36 0.00	25.08 1.97 0.00	22.46 1.70 0.00	23.12 1.67 0.00	22.87 1.65 0.00	22.41 1.48 0.00	19.46 1.23 -0.09
BROOME_2_LFGE 323671	17.77 0.01 0.00	18.39 0.03 0.00	18.61 -0.04 0.00	14.35 -0.07 0.00	13.79 -0.07 0.00	15.89 -0.04 0.00	19.99 -0.02 0.00	22.31 -0.01 0.00	23.25 0.02 0.00	28.68 -0.03 0.00	29.45 -0.21 0.00	24.51 -0.13 0.00	21.47 -0.14 0.00	23.13 -0.12 0.00	20.85 -0.07 0.00	22.40 -0.13 0.00	25.13 -0.14 0.00	24.69 0.02 0.00	23.02 -0.09 0.00	20.66 -0.09 0.00	21.36 -0.10 0.00	21.08 -0.14 0.00	20.79 -0.14 0.00	17.96 -0.18 0.00
BROOME___LFGE 323600	17.77 0.01 0.00	18.39 0.03 0.00	18.61 -0.04 0.00	14.35 -0.07 0.00	13.79 -0.07 0.00	15.89 -0.04 0.00	19.99 -0.02 0.00	22.31 -0.01 0.00	23.25 0.02 0.00	28.68 -0.03 0.00	29.45 -0.21 0.00	24.51 -0.13 0.00	21.47 -0.14 0.00	23.13 -0.12 0.00	20.85 -0.07 0.00	22.40 -0.13 0.00	25.13 -0.14 0.00	24.69 0.02 0.00	23.02 -0.09 0.00	20.66 -0.09 0.00	21.36 -0.10 0.00	21.08 -0.14 0.00	20.79 -0.14 0.00	17.96 -0.18 0.00
BROWNFLS_115KV_TB_3_5 80003	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.37 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.66 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.26 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00
BROWNSV1_27_KV_LOAD 356125	18.70 0.94 0.00	19.23 0.86 0.00	19.44 0.79 0.00	15.00 0.59 0.00	14.40 0.54 0.00	16.59 0.67 0.00	20.98 0.97 0.00	23.53 1.21 0.00	24.60 1.36 0.00	30.32 1.61 0.00	31.36 1.70 0.00	26.25 1.60 0.00	23.13 1.53 0.00	24.89 1.64 0.00	22.41 1.49 0.00	24.16 1.62 0.00	27.23 1.96 0.00	26.80 2.12 0.00	24.87 1.75 0.00	22.22 1.47 0.00	22.93 1.47 0.00	22.67 1.45 0.00	22.17 1.23 0.00	19.15 1.01 0.00
BURROWS___LYONSDAL 23803	17.66 -0.10 0.00	18.43 0.07 0.00	18.76 0.11 0.00	14.44 0.02 0.00	13.97 0.12 0.00	16.12 0.20 0.00	20.22 0.21 0.00	22.56 0.24 0.00	23.41 0.18 0.00	28.96 0.25 0.00	29.92 0.25 0.00	24.67 0.02 0.00	21.53 -0.07 0.00	23.20 -0.05 0.00	20.83 -0.09 0.00	22.33 -0.21 0.00	25.43 -0.21 -0.38	24.69 -0.09 -0.11	24.44 0.01 -1.31	21.05 -0.03 -0.31	21.26 -0.20 0.00	21.05 -0.18 0.00	20.98 0.04 0.00	18.20 0.06 0.00
CAITHNESS_CC_1 323624	18.80 1.04 0.00	19.32 0.95 0.00	19.55 0.90 0.00	15.09 0.67 0.00	14.51 0.65 0.00	16.74 0.82 0.00	21.18 1.17 0.00	23.81 1.49 0.00	24.90 1.67 0.00	30.36 1.65 0.00	31.35 1.69 0.00	26.28 1.63 0.00	23.25 1.64 0.00	24.99 1.75 0.00	22.49 1.57 0.00	24.14 1.60 0.00	27.37 2.11 0.00	26.94 2.27 0.00	24.95 1.85 0.00	22.28 1.52 0.00	22.90 1.45 0.00	22.74 1.52 0.00	22.34 1.41 0.00	19.53 1.30 -0.09
CALPINE BETH_PAGE_GT4 24209	18.75 0.98 0.00	19.25 0.88 0.00	19.47 0.82 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.66 1.35 0.00	24.75 1.51 0.00	30.41 1.70 0.00	31.47 1.81 0.00	26.39 1.74 0.00	23.30 1.69 0.00	25.04 1.80 0.00	22.50 1.58 0.00	24.24 1.71 0.00	27.43 2.17 0.00	26.98 2.30 0.00	25.00 1.89 0.00	22.36 1.60 0.00	23.00 1.54 0.00	22.79 1.57 0.00	22.34 1.41 0.00	19.43 1.20 -0.09
CALPINE_BETH_PAGE_GT_4 323586	18.75 0.98 0.00	19.25 0.88 0.00	19.47 0.82 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.68 1.36 0.00	24.74 1.51 0.00	30.41 1.70 0.00	31.47 1.80 0.00	26.39 1.74 0.00	23.30 1.69 0.00	25.04 1.79 0.00	22.50 1.58 0.00	24.24 1.70 0.00	27.43 2.17 0.00	26.97 2.30 0.00	25.00 1.89 0.00	22.35 1.59 0.00	23.00 1.54 0.00	22.79 1.56 0.00	22.34 1.41 0.00	19.43 1.20 -0.09
CALPINE_BP_GT1 23823	18.75 0.98 0.00	19.25 0.88 0.00	19.47 0.82 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.68 1.36 0.00	24.74 1.51 0.00	30.41 1.70 0.00	31.47 1.80 0.00	26.39 1.74 0.00	23.30 1.69 0.00	25.04 1.79 0.00	22.50 1.58 0.00	24.24 1.70 0.00	27.43 2.17 0.00	26.97 2.30 0.00	25.00 1.89 0.00	22.35 1.59 0.00	23.00 1.54 0.00	22.79 1.56 0.00	22.34 1.41 0.00	19.43 1.20 -0.09
CALSPAN___DRP 24200	17.47 -0.29 0.00	18.21 -0.16 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.23 0.00	15.73 -0.19 0.00	19.75 -0.26 0.00	21.84 -0.48 0.00	22.78 -0.46 0.00	27.92 -0.78 0.00	28.55 -1.12 0.00	23.56 -1.09 0.00	20.44 -1.17 0.00	22.00 -1.26 0.00	19.69 -1.23 0.00	21.19 -1.35 0.00	23.45 -1.81 0.00	22.88 -1.79 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.11 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.92 -1.22 0.00



CALVERTON___SOLAR 323806	18.86 1.10 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.80 0.88 0.00	21.25 1.24 0.00	23.90 1.58 0.00	25.00 1.77 0.00	30.38 1.67 0.00	31.35 1.69 0.00	26.27 1.62 0.00	23.25 1.65 0.00	25.01 1.76 0.00	22.50 1.58 0.00	24.16 1.62 0.00	27.41 2.15 0.00	27.00 2.32 0.00	25.00 1.89 0.00	22.31 1.56 0.00	22.93 1.48 0.00	22.78 1.56 0.00	22.39 1.45 0.00	19.60 1.37 -0.09
CANDIGU_WT_PWR 323617	17.58 -0.18 0.00	18.31 -0.06 0.00	18.34 -0.31 0.00	14.04 -0.38 0.00	13.35 -0.50 0.00	15.35 -0.57 0.00	19.26 -0.75 0.00	21.42 -0.90 0.00	22.38 -0.85 0.00	27.56 -1.15 0.00	28.20 -1.47 0.00	23.43 -1.22 0.00	20.34 -1.26 0.00	21.86 -1.39 0.00	19.64 -1.28 0.00	21.10 -1.43 0.00	23.54 -1.72 0.00	23.21 -1.47 0.00	21.59 -1.52 0.00	19.45 -1.31 0.00	20.16 -1.29 0.00	19.78 -1.45 0.00	19.49 -1.45 0.00	16.82 -1.32 0.00
CARR STREET_E_SYR 24060	17.57 -0.19 0.00	18.16 -0.20 0.00	18.40 -0.25 0.00	14.22 -0.20 0.00	13.67 -0.19 0.00	15.74 -0.18 0.00	19.78 -0.23 0.00	22.02 -0.30 0.00	22.93 -0.31 0.00	28.17 -0.54 0.00	28.91 -0.75 0.00	24.03 -0.63 0.00	21.07 -0.53 0.00	22.70 -0.55 0.00	20.45 -0.47 0.00	22.00 -0.54 0.00	24.65 -0.62 0.00	24.12 -0.56 0.00	22.53 -0.59 0.00	20.26 -0.50 0.00	20.99 -0.46 0.00	20.79 -0.43 0.00	20.55 -0.39 0.00	17.78 -0.36 0.00
CARTHAGE___PAPER 23857	17.35 -0.42 0.00	18.22 -0.15 0.00	18.60 -0.05 0.00	14.29 -0.13 0.00	13.88 0.03 0.00	16.02 0.10 0.00	20.03 0.02 0.00	22.36 0.04 0.00	23.14 -0.09 0.00	28.64 -0.07 0.00	29.52 -0.15 0.00	24.21 -0.44 0.00	21.02 -0.58 0.00	22.66 -0.59 0.00	20.29 -0.63 0.00	21.73 -0.81 0.00	25.00 -0.88 -0.61	24.12 -0.74 -0.18	24.71 -0.50 -2.09	20.78 -0.48 -0.50	20.75 -0.70 0.00	20.58 -0.64 0.00	20.61 -0.33 0.00	17.91 -0.23 0.00
CASSADAGA_WT_PWR 323784	17.88 0.12 0.00	18.57 0.21 0.00	18.67 0.02 0.00	14.31 -0.10 0.00	13.78 -0.07 0.00	15.95 0.02 0.00	20.09 0.08 0.00	22.21 -0.10 0.00	23.17 -0.07 0.00	28.53 -0.17 0.00	28.97 -0.70 0.00	23.78 -0.87 0.00	20.50 -1.11 0.00	22.25 -1.00 0.00	20.02 -0.90 0.00	21.51 -1.03 0.00	23.90 -1.37 0.00	23.25 -1.43 0.00	21.48 -1.63 0.00	19.35 -1.41 0.00	20.13 -1.33 0.00	19.85 -1.37 0.00	19.71 -1.22 0.00	17.14 -1.01 0.00
CE_DUNWOOD___DRP 24194	18.46 0.69 0.00	18.99 0.63 0.00	19.22 0.57 0.00	14.84 0.42 0.00	14.24 0.39 0.00	16.41 0.49 0.00	20.73 0.72 0.00	23.24 0.92 0.00	24.28 1.04 0.00	29.95 1.24 0.00	30.96 1.30 0.00	25.90 1.25 0.00	22.81 1.21 0.00	24.55 1.31 0.00	22.12 1.20 0.00	23.84 1.30 0.00	26.88 1.61 0.00	26.44 1.76 0.00	24.54 1.43 0.00	21.92 1.16 0.00	22.62 1.17 0.00	22.38 1.16 0.00	21.91 0.97 0.00	18.92 0.78 0.00
CE_MILLWOOD___DRP 24193	18.42 0.66 0.00	18.96 0.60 0.00	19.19 0.54 0.00	14.82 0.40 0.00	14.22 0.37 0.00	16.39 0.46 0.00	20.70 0.69 0.00	23.20 0.88 0.00	24.23 1.00 0.00	29.89 1.18 0.00	30.90 1.24 0.00	25.84 1.19 0.00	22.76 1.16 0.00	24.50 1.25 0.00	22.08 1.16 0.00	23.79 1.25 0.00	26.82 1.56 0.00	26.39 1.71 0.00	24.49 1.39 0.00	21.88 1.12 0.00	22.58 1.13 0.00	22.34 1.12 0.00	21.88 0.95 0.00	18.90 0.76 0.00
CE_NYC2_DRP 24202	18.59 0.83 0.00	19.13 0.76 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.51 0.58 0.00	20.88 0.87 0.00	23.37 1.05 0.00	24.45 1.22 0.00	30.11 1.41 0.00	31.15 1.49 0.00	26.06 1.41 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.94 1.40 0.00	26.99 1.72 0.00	26.57 1.89 0.00	24.64 1.52 0.00	22.02 1.26 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.01 0.87 0.00
CE_NYC_DRP 24195	18.55 0.79 0.00	19.08 0.72 0.00	19.30 0.65 0.00	14.90 0.48 0.00	14.29 0.44 0.00	16.47 0.54 0.00	20.81 0.80 0.00	23.32 1.00 0.00	24.39 1.15 0.00	30.06 1.35 0.00	31.09 1.43 0.00	26.02 1.38 0.00	22.93 1.33 0.00	24.67 1.42 0.00	22.22 1.30 0.00	23.95 1.41 0.00	26.99 1.73 0.00	26.56 1.88 0.00	24.64 1.53 0.00	22.02 1.26 0.00	22.71 1.25 0.00	22.45 1.23 0.00	21.97 1.03 0.00	18.99 0.85 0.00
CHAFFEE___LFGE 323603	17.46 -0.30 0.00	18.20 -0.16 0.00	18.36 -0.29 0.00	14.14 -0.27 0.00	13.63 -0.23 0.00	15.74 -0.19 0.00	19.76 -0.25 0.00	21.87 -0.45 0.00	22.81 -0.42 0.00	27.97 -0.74 0.00	28.60 -1.06 0.00	23.61 -1.04 0.00	20.50 -1.11 0.00	22.05 -1.20 0.00	19.78 -1.14 0.00	21.26 -1.28 0.00	23.55 -1.71 0.00	23.00 -1.67 0.00	21.44 -1.66 0.00	19.47 -1.29 0.00	20.21 -1.24 0.00	19.86 -1.36 0.00	19.69 -1.25 0.00	16.97 -1.17 0.00
CHATEAUG_35_KV_LOAD 355732	17.38 -0.38 0.00	18.12 -0.25 0.00	18.84 0.18 0.00	14.68 0.27 0.00	14.21 0.35 0.00	16.34 0.42 0.00	20.43 0.42 0.00	22.82 0.50 0.00	23.77 0.54 0.00	29.86 1.16 0.00	31.16 1.50 0.00	25.53 0.88 0.00	21.91 0.31 0.00	22.96 -0.29 0.00	20.52 -0.40 0.00	22.08 -0.46 0.00	10.84 -0.86 13.56	19.89 -0.86 3.92	-24.13 -0.67 46.57	9.35 -0.29 11.12	21.28 -0.18 0.00	21.25 0.03 0.00	21.08 0.14 0.00	18.35 0.20 0.00
CHATEAUG_WT_PWR 323614	17.28 -0.48 0.00	18.02 -0.35 0.00	18.74 0.09 0.00	14.62 0.20 0.00	14.15 0.29 0.00	16.29 0.36 0.00	20.35 0.34 0.00	22.72 0.40 0.00	23.69 0.46 0.00	29.78 1.07 0.00	31.11 1.45 0.00	25.53 0.88 0.00	21.89 0.29 0.00	22.90 -0.35 0.00	20.43 -0.48 0.00	22.00 -0.54 0.00	11.66 -0.99 12.61	20.03 -1.00 3.65	-21.04 -0.84 43.31	9.98 -0.44 10.34	21.13 -0.32 0.00	21.14 -0.08 0.00	20.99 0.05 0.00	18.27 0.12 0.00
CHAT_HIGH_FALL_HYD 323578	17.38 -0.38 0.00	18.11 -0.25 0.00	18.84 0.19 0.00	14.68 0.27 0.00	14.21 0.35 0.00	16.34 0.42 0.00	20.43 0.42 0.00	22.82 0.50 0.00	23.77 0.54 0.00	29.86 1.16 0.00	31.16 1.50 0.00	25.53 0.88 0.00	21.91 0.31 0.00	22.96 -0.29 0.00	20.52 -0.40 0.00	22.08 -0.46 0.00	10.84 -0.86 13.56	19.89 -0.87 3.92	-24.13 -0.67 46.57	9.35 -0.29 11.12	21.28 -0.18 0.00	21.25 0.03 0.00	21.08 0.14 0.00	18.35 0.20 0.00
CHAUTAUQUA___LFGE 323629	17.59 -0.17 0.00	18.31 -0.05 0.00	18.42 -0.23 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.77 -0.15 0.00	19.82 -0.19 0.00	21.96 -0.36 0.00	22.89 -0.34 0.00	28.14 -0.56 0.00	28.68 -0.99 0.00	23.62 -1.02 0.00	20.47 -1.14 0.00	22.08 -1.16 0.00	19.87 -1.05 0.00	21.33 -1.21 0.00	23.66 -1.60 0.00	23.14 -1.54 0.00	21.47 -1.64 0.00	19.42 -1.34 0.00	20.16 -1.29 0.00	19.83 -1.39 0.00	19.67 -1.27 0.00	16.97 -1.17 0.00
CHERRYST_13_KV_LD 356241	18.59 0.83 0.00	19.13 0.76 0.00	19.35 0.70 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.51 0.59 0.00	20.86 0.85 0.00	23.39 1.07 0.00	24.46 1.23 0.00	30.15 1.45 0.00	31.21 1.54 0.00	26.11 1.46 0.00	23.00 1.40 0.00	24.75 1.51 0.00	22.29 1.37 0.00	24.03 1.49 0.00	27.07 1.81 0.00	26.64 1.96 0.00	24.72 1.61 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.51 1.29 0.00	22.02 1.09 0.00	19.03 0.89 0.00



CHESTROR_138KV_BK263 355645	18.29 0.53 0.00	18.83 0.47 0.00	19.08 0.42 0.00	14.72 0.31 0.00	14.14 0.29 0.00	16.29 0.37 0.00	20.57 0.56 0.00	23.04 0.72 0.00	24.05 0.81 0.00	29.68 0.97 0.00	30.67 1.00 0.00	25.62 0.97 0.00	22.55 0.95 0.00	24.28 1.03 0.00	21.87 0.95 0.00	23.57 1.03 0.00	26.59 1.32 0.00	26.14 1.46 0.00	24.29 1.18 0.00	21.71 0.95 0.00	22.41 0.95 0.00	22.16 0.94 0.00	21.72 0.79 0.00	18.76 0.62 0.00
CH_MIDHUDSON___DRP 24192	18.40 0.63 0.00	18.94 0.57 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.22 0.36 0.00	16.38 0.45 0.00	20.67 0.66 0.00	23.19 0.87 0.00	24.19 0.96 0.00	29.86 1.15 0.00	30.89 1.22 0.00	25.83 1.19 0.00	22.77 1.16 0.00	24.52 1.28 0.00	22.08 1.16 0.00	23.81 1.28 0.00	26.84 1.58 0.00	26.39 1.71 0.00	24.49 1.39 0.00	21.88 1.13 0.00	22.58 1.12 0.00	22.34 1.12 0.00	21.88 0.95 0.00	18.90 0.76 0.00
CH_MISC_IPPS 23765	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.80 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.07 1.36 0.00	31.08 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.41 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.01 0.87 0.00
CH_RES_BVR_FALLS 23983	17.52 -0.24 0.00	18.32 -0.05 0.00	18.73 0.08 0.00	14.47 0.06 0.00	13.93 0.08 0.00	15.98 0.06 0.00	20.01 0.00 0.00	22.27 -0.05 0.00	23.10 -0.14 0.00	28.63 -0.08 0.00	29.66 -0.01 0.00	24.49 -0.16 0.00	21.33 -0.28 0.00	22.94 -0.30 0.00	20.57 -0.35 0.00	22.11 -0.43 0.00	24.72 -0.54 0.00	24.17 -0.51 0.00	22.81 -0.30 0.00	20.48 -0.27 0.00	21.08 -0.38 0.00	20.81 -0.42 0.00	20.65 -0.29 0.00	18.09 -0.05 0.00
CH_RES_NIAGARA 23895	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.50 -2.17 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.88 -2.04 0.00	20.27 -2.27 0.00	22.30 -2.96 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.84 -2.39 0.00	18.75 -2.19 0.00	16.21 -1.93 0.00
CH_RES_SYRACUSE 23985	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.14 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.24 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.25 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
CLINTON_WT_PWR 323605	17.28 -0.48 0.00	18.02 -0.35 0.00	18.74 0.09 0.00	14.62 0.20 0.00	14.15 0.29 0.00	16.29 0.36 0.00	20.35 0.34 0.00	22.72 0.40 0.00	23.69 0.46 0.00	29.78 1.07 0.00	31.11 1.45 0.00	25.53 0.88 0.00	21.89 0.29 0.00	22.90 -0.35 0.00	20.43 -0.48 0.00	22.00 -0.54 0.00	11.66 -0.99 12.61	20.03 -1.00 3.65	-21.04 -0.84 43.31	9.98 -0.44 10.34	21.13 -0.32 0.00	21.14 -0.08 0.00	20.99 0.05 0.00	18.27 0.12 0.00
CLINTON___LFGE 323618	17.41 -0.35 0.00	18.14 -0.22 0.00	18.85 0.20 0.00	14.70 0.29 0.00	14.25 0.39 0.00	16.43 0.50 0.00	20.58 0.57 0.00	23.05 0.73 0.00	24.02 0.79 0.00	30.22 1.51 0.00	31.59 1.93 0.00	25.95 1.30 0.00	22.25 0.64 0.00	23.25 0.01 0.00	20.78 -0.14 0.00	22.35 -0.19 0.00	11.83 -0.57 12.86	20.39 -0.57 3.72	-21.46 -0.41 44.16	10.16 -0.05 10.54	21.50 0.04 0.00	21.48 0.25 0.00	21.30 0.36 0.00	18.52 0.38 0.00
COBBLENY_34_KV_TB1 80064	17.46 -0.30 0.00	18.20 -0.17 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.23 0.00	15.74 -0.19 0.00	19.76 -0.25 0.00	21.87 -0.45 0.00	22.81 -0.42 0.00	27.96 -0.75 0.00	28.58 -1.09 0.00	23.61 -1.04 0.00	20.49 -1.11 0.00	22.05 -1.20 0.00	19.76 -1.16 0.00	21.25 -1.29 0.00	23.55 -1.71 0.00	23.00 -1.68 0.00	21.45 -1.66 0.00	19.47 -1.29 0.00	20.21 -1.24 0.00	19.86 -1.36 0.00	19.69 -1.25 0.00	16.98 -1.16 0.00
COFFEEN___115KV_TB3 355620	17.23 -0.53 0.00	18.10 -0.26 0.00	18.47 -0.18 0.00	14.18 -0.24 0.00	13.79 -0.07 0.00	15.95 0.02 0.00	19.97 -0.04 0.00	22.31 -0.01 0.00	23.11 -0.13 0.00	28.56 -0.15 0.00	29.37 -0.30 0.00	24.07 -0.58 0.00	20.91 -0.69 0.00	22.56 -0.69 0.00	20.19 -0.73 0.00	21.65 -0.89 0.00	24.86 -0.91 -0.51	24.06 -0.76 -0.15	24.30 -0.55 -1.74	20.64 -0.53 -0.42	20.70 -0.76 0.00	20.52 -0.70 0.00	20.48 -0.45 0.00	17.76 -0.38 0.00
COLDSPRG_115KV_BK1 355956	18.24 0.48 0.00	18.96 0.60 0.00	19.08 0.43 0.00	14.67 0.25 0.00	14.12 0.26 0.00	16.37 0.45 0.00	20.65 0.64 0.00	22.96 0.65 0.00	23.97 0.74 0.00	29.43 0.73 0.00	29.97 0.30 0.00	24.68 0.03 0.00	21.38 -0.22 0.00	23.13 -0.12 0.00	20.79 -0.13 0.00	22.32 -0.22 0.00	24.82 -0.44 0.00	24.31 -0.37 0.00	22.59 -0.52 0.00	20.33 -0.43 0.00	21.12 -0.33 0.00	20.80 -0.42 0.00	20.64 -0.29 0.00	17.84 -0.31 0.00
COLONIE_LFGE___ 323577	18.06 0.30 0.00	18.60 0.24 0.00	18.84 0.19 0.00	14.58 0.16 0.00	14.01 0.16 0.00	16.12 0.20 0.00	20.32 0.31 0.00	22.79 0.47 0.00	23.70 0.46 0.00	29.34 0.64 0.00	30.40 0.73 0.00	25.30 0.65 0.00	22.28 0.67 0.00	24.04 0.79 0.00	21.65 0.73 0.00	23.39 0.85 0.00	26.25 0.98 0.00	25.71 1.03 0.00	23.87 0.75 0.00	21.32 0.56 0.00	22.06 0.61 0.00	21.85 0.63 0.00	21.46 0.52 0.00	18.55 0.41 0.00
COOPERNY_115KV_TB1 80082	18.15 0.39 0.00	18.72 0.35 0.00	18.96 0.31 0.00	14.64 0.23 0.00	14.06 0.21 0.00	16.20 0.27 0.00	20.43 0.41 0.00	22.84 0.53 0.00	23.83 0.60 0.00	29.41 0.71 0.00	30.37 0.71 0.00	25.35 0.70 0.00	22.28 0.68 0.00	23.99 0.75 0.00	21.62 0.70 0.00	23.28 0.75 0.00	26.22 0.96 0.00	25.76 1.08 0.00	23.97 0.86 0.00	21.46 0.70 0.00	22.15 0.69 0.00	21.90 0.68 0.00	21.50 0.57 0.00	18.58 0.44 0.00
COPENHAGEN_WT_PWR 323753	16.99 -0.77 0.00	17.93 -0.43 0.00	18.33 -0.33 0.00	14.05 -0.36 0.00	13.69 -0.16 0.00	15.83 -0.10 0.00	19.72 -0.29 0.00	22.01 -0.31 0.00	22.77 -0.46 0.00	28.15 -0.56 0.00	28.93 -0.74 0.00	23.65 -1.00 0.00	20.50 -1.10 0.00	22.12 -1.13 0.00	19.80 -1.12 0.00	21.21 -1.33 0.00	24.30 -1.44 -0.48	23.54 -1.27 -0.14	23.75 -1.01 -1.65	20.21 -0.94 -0.39	20.25 -1.20 0.00	20.13 -1.09 0.00	20.16 -0.78 0.00	17.52 -0.62 0.00
CORNELL_____ 23752	18.07 0.31 0.00	18.69 0.33 0.00	18.92 0.27 0.00	14.58 0.17 0.00	14.01 0.15 0.00	16.16 0.24 0.00	20.39 0.37 0.00	22.71 0.39 0.00	23.69 0.46 0.00	29.17 0.46 0.00	29.94 0.27 0.00	24.89 0.24 0.00	21.81 0.20 0.00	23.49 0.24 0.00	21.14 0.22 0.00	22.78 0.24 0.00	25.57 0.31 0.00	25.09 0.41 0.00	23.43 0.32 0.00	21.06 0.30 0.00	21.75 0.29 0.00	21.44 0.22 0.00	21.13 0.19 0.00	18.25 0.11 0.00



CORONA__69_KV_TB1 355595	18.74 0.98 0.00	19.25 0.89 0.00	19.47 0.82 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.66 0.73 0.00	21.09 1.08 0.00	23.67 1.35 0.00	24.74 1.50 0.00	30.42 1.72 0.00	31.49 1.83 0.00	26.40 1.75 0.00	23.28 1.68 0.00	25.04 1.79 0.00	22.52 1.60 0.00	24.26 1.72 0.00	27.38 2.12 0.00	26.93 2.25 0.00	24.98 1.87 0.00	22.38 1.62 0.00	23.04 1.59 0.00	22.80 1.58 0.00	22.35 1.42 0.00	19.39 1.16 -0.09
CORTLAND__115KV_TB3 80093	17.89 0.14 0.00	18.51 0.15 0.00	18.75 0.10 0.00	14.46 0.05 0.00	13.91 0.05 0.00	16.03 0.10 0.00	20.18 0.17 0.00	22.50 0.19 0.00	23.45 0.22 0.00	28.92 0.20 0.00	29.73 0.07 0.00	24.72 0.07 0.00	21.67 0.07 0.00	23.34 0.09 0.00	21.03 0.10 0.00	22.62 0.09 0.00	25.39 0.13 0.00	24.90 0.22 0.00	23.24 0.13 0.00	20.88 0.12 0.00	21.55 0.10 0.00	21.28 0.06 0.00	20.99 0.05 0.00	18.13 -0.01 0.00
COXSACKIE__GT 23611	18.58 0.81 0.00	19.08 0.72 0.00	19.37 0.72 0.00	15.04 0.62 0.00	14.47 0.62 0.00	16.69 0.76 0.00	21.04 1.03 0.00	23.67 1.35 0.00	24.66 1.43 0.00	30.46 1.76 0.00	31.55 1.89 0.00	26.19 1.54 0.00	23.01 1.41 0.00	24.85 1.60 0.00	22.41 1.49 0.00	24.30 1.76 0.00	27.28 2.01 0.00	26.76 2.08 0.00	24.89 1.78 0.00	22.22 1.46 0.00	22.93 1.48 0.00	22.60 1.37 0.00	22.15 1.22 0.00	19.12 0.98 0.00
CPV__VALLEY__CC1 323721	18.17 0.41 0.00	18.72 0.36 0.00	18.96 0.31 0.00	14.64 0.22 0.00	14.06 0.20 0.00	16.19 0.27 0.00	20.43 0.42 0.00	22.87 0.55 0.00	23.86 0.63 0.00	29.46 0.75 0.00	30.43 0.77 0.00	25.41 0.76 0.00	22.36 0.76 0.00	24.08 0.83 0.00	21.69 0.77 0.00	23.37 0.83 0.00	26.35 1.08 0.00	25.89 1.22 0.00	24.07 0.96 0.00	21.53 0.77 0.00	22.22 0.77 0.00	21.98 0.76 0.00	21.56 0.62 0.00	18.62 0.47 0.00
CPV__VALLEY__CC2 323722	18.17 0.41 0.00	18.72 0.36 0.00	18.96 0.31 0.00	14.64 0.22 0.00	14.06 0.20 0.00	16.19 0.27 0.00	20.43 0.42 0.00	22.87 0.55 0.00	23.86 0.63 0.00	29.46 0.75 0.00	30.43 0.77 0.00	25.41 0.76 0.00	22.36 0.76 0.00	24.08 0.83 0.00	21.69 0.77 0.00	23.37 0.83 0.00	26.35 1.08 0.00	25.89 1.22 0.00	24.07 0.96 0.00	21.53 0.77 0.00	22.22 0.77 0.00	21.98 0.76 0.00	21.56 0.62 0.00	18.62 0.47 0.00
CRESCENT__HYD 24018	18.06 0.30 0.00	18.60 0.24 0.00	18.84 0.19 0.00	14.58 0.16 0.00	14.01 0.16 0.00	16.12 0.20 0.00	20.32 0.31 0.00	22.79 0.47 0.00	23.70 0.46 0.00	29.34 0.64 0.00	30.40 0.73 0.00	25.30 0.65 0.00	22.28 0.67 0.00	24.04 0.79 0.00	21.65 0.73 0.00	23.39 0.85 0.00	26.25 0.98 0.00	25.71 1.03 0.00	23.87 0.75 0.00	21.32 0.56 0.00	22.06 0.61 0.00	21.85 0.63 0.00	21.46 0.52 0.00	18.55 0.41 0.00
CRICKET__VALLEY_CC1 323756	18.17 0.41 0.00	18.70 0.34 0.00	18.94 0.29 0.00	14.63 0.21 0.00	14.05 0.19 0.00	16.16 0.24 0.00	20.38 0.37 0.00	22.88 0.56 0.00	23.84 0.61 0.00	29.45 0.74 0.00	30.51 0.85 0.00	25.56 0.91 0.00	22.57 0.96 0.00	24.33 1.08 0.00	21.90 0.98 0.00	23.65 1.12 0.00	26.62 1.36 0.00	26.15 1.47 0.00	24.23 1.12 0.00	21.62 0.86 0.00	22.31 0.86 0.00	22.12 0.90 0.00	21.67 0.73 0.00	18.72 0.58 0.00
CRICKET__VALLEY_CC2 323757	18.17 0.41 0.00	18.70 0.34 0.00	18.94 0.29 0.00	14.63 0.21 0.00	14.05 0.19 0.00	16.16 0.24 0.00	20.38 0.37 0.00	22.88 0.56 0.00	23.84 0.61 0.00	29.45 0.74 0.00	30.51 0.85 0.00	25.56 0.91 0.00	22.57 0.96 0.00	24.33 1.08 0.00	21.90 0.98 0.00	23.65 1.12 0.00	26.62 1.36 0.00	26.15 1.47 0.00	24.23 1.12 0.00	21.62 0.86 0.00	22.31 0.86 0.00	22.12 0.90 0.00	21.67 0.73 0.00	18.72 0.58 0.00
CRICKET__VALLEY_CC3 323758	18.17 0.41 0.00	18.70 0.34 0.00	18.94 0.29 0.00	14.63 0.21 0.00	14.05 0.19 0.00	16.16 0.24 0.00	20.38 0.37 0.00	22.88 0.56 0.00	23.84 0.61 0.00	29.45 0.74 0.00	30.51 0.85 0.00	25.56 0.91 0.00	22.57 0.96 0.00	24.33 1.08 0.00	21.90 0.98 0.00	23.65 1.12 0.00	26.62 1.36 0.00	26.15 1.47 0.00	24.23 1.12 0.00	21.62 0.86 0.00	22.31 0.86 0.00	22.12 0.90 0.00	21.67 0.73 0.00	18.72 0.58 0.00
CRUCIBLE__METL_DRP 24180	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
DAHOWA__HYDRO 323763	18.32 0.56 0.00	18.88 0.52 0.00	19.11 0.46 0.00	14.78 0.36 0.00	14.19 0.33 0.00	16.37 0.44 0.00	20.72 0.71 0.00	23.28 0.97 0.00	24.23 0.99 0.00	30.00 1.29 0.00	31.05 1.38 0.00	25.80 1.15 0.00	22.74 1.14 0.00	24.61 1.37 0.00	22.14 1.22 0.00	23.95 1.41 0.00	26.83 1.56 0.00	26.33 1.65 0.00	24.44 1.33 0.00	21.82 1.06 0.00	22.54 1.08 0.00	22.33 1.11 0.00	21.93 0.99 0.00	18.93 0.79 0.00
DANC__LFGE 323619	17.11 -0.65 0.00	17.91 -0.46 0.00	18.23 -0.42 0.00	14.03 -0.39 0.00	13.59 -0.26 0.00	15.69 -0.23 0.00	19.62 -0.40 0.00	21.87 -0.45 0.00	22.68 -0.56 0.00	28.00 -0.71 0.00	28.80 -0.86 0.00	23.70 -0.95 0.00	20.64 -0.96 0.00	22.25 -1.00 0.00	19.96 -0.96 0.00	21.42 -1.11 0.00	24.38 -1.21 -0.33	23.69 -1.09 -0.09	23.32 -0.92 -1.13	20.19 -0.84 -0.27	20.45 -1.01 0.00	20.27 -0.96 0.00	20.18 -0.75 0.00	17.52 -0.62 0.00
DANSKAMMER__1 23586	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.80 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.07 1.36 0.00	31.08 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.41 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.01 0.87 0.00
DANSKAMMER__2 23589	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.80 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.07 1.36 0.00	31.08 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.41 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.01 0.87 0.00
DANSKAMMER__3 23590	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.80 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.07 1.36 0.00	31.08 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.41 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.01 0.87 0.00



DANSKAMMER___4 23591	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.80 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.07 1.36 0.00	31.08 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.41 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.01 0.87 0.00
DANSKAMMER___DIESEL 23592	18.50 0.74 0.00	19.05 0.68 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.81 0.00	23.34 1.02 0.00	24.37 1.14 0.00	30.07 1.37 0.00	31.09 1.42 0.00	25.99 1.34 0.00	22.90 1.30 0.00	24.67 1.42 0.00	22.21 1.29 0.00	23.94 1.40 0.00	27.01 1.74 0.00	26.57 1.89 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.02 1.09 0.00	19.00 0.86 0.00
DARBY___SOLAR 323810	18.30 0.54 0.00	18.85 0.49 0.00	19.09 0.44 0.00	14.76 0.35 0.00	14.17 0.32 0.00	16.34 0.42 0.00	20.67 0.66 0.00	23.21 0.89 0.00	24.15 0.91 0.00	29.90 1.19 0.00	30.94 1.28 0.00	25.71 1.06 0.00	22.66 1.06 0.00	24.52 1.27 0.00	22.06 1.14 0.00	23.85 1.32 0.00	26.72 1.46 0.00	26.22 1.54 0.00	24.34 1.23 0.00	21.74 0.98 0.00	22.45 1.00 0.00	22.24 1.02 0.00	21.85 0.91 0.00	18.87 0.73 0.00
DASHVILLE___HYD 23610	18.30 0.54 0.00	18.86 0.50 0.00	19.11 0.46 0.00	14.75 0.33 0.00	14.16 0.30 0.00	16.30 0.37 0.00	20.58 0.57 0.00	23.06 0.74 0.00	24.08 0.84 0.00	29.72 1.01 0.00	30.71 1.05 0.00	25.69 1.04 0.00	22.63 1.02 0.00	24.37 1.12 0.00	21.93 1.02 0.00	23.64 1.11 0.00	26.65 1.39 0.00	26.19 1.51 0.00	24.34 1.23 0.00	21.75 0.99 0.00	22.45 1.00 0.00	22.21 0.99 0.00	21.76 0.83 0.00	18.79 0.65 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	19.07 1.31 0.00	19.61 1.24 0.00	19.85 1.19 0.00	15.33 0.91 0.00	14.76 0.90 0.00	17.02 1.10 0.00	21.55 1.53 0.00	24.23 1.91 0.00	25.36 2.13 0.00	30.78 2.08 0.00	31.78 2.12 0.00	26.59 1.94 0.00	23.53 1.93 0.00	25.32 2.08 0.00	22.77 1.85 0.00	24.47 1.93 0.00	27.78 2.52 0.00	27.39 2.71 0.00	25.37 2.26 0.00	22.64 1.88 0.00	23.25 1.80 0.00	23.08 1.86 0.00	22.68 1.75 0.00	19.85 1.61 -0.09
DELAWARE___LFGE 323621	18.17 0.40 0.00	18.76 0.40 0.00	19.03 0.38 0.00	14.68 0.27 0.00	14.10 0.25 0.00	16.23 0.31 0.00	20.47 0.46 0.00	22.85 0.53 0.00	23.79 0.56 0.00	29.36 0.65 0.00	30.28 0.61 0.00	25.21 0.56 0.00	22.13 0.52 0.00	23.83 0.58 0.00	21.46 0.54 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.49 0.81 0.00	23.78 0.67 0.00	21.33 0.58 0.00	22.04 0.59 0.00	21.76 0.54 0.00	21.40 0.47 0.00	18.50 0.36 0.00
DERFIELD_115KV_TB7 355931	17.76 -0.01 0.00	18.36 -0.01 0.00	18.64 -0.02 0.00	14.40 -0.01 0.00	13.84 -0.01 0.00	15.91 -0.01 0.00	20.00 -0.01 0.00	22.32 0.00 0.00	23.23 0.00 0.00	28.70 -0.01 0.00	29.67 0.01 0.00	24.70 0.05 0.00	21.66 0.06 0.00	23.33 0.09 0.00	21.01 0.08 0.00	22.63 0.09 0.00	25.40 0.14 0.00	24.87 0.19 0.00	23.23 0.12 0.00	20.83 0.07 0.00	21.50 0.05 0.00	21.26 0.03 0.00	20.96 0.02 0.00	18.15 0.01 0.00
DOGLEVILLE___HYD 23807	17.46 -0.30 0.00	17.94 -0.42 0.00	18.09 -0.57 0.00	14.01 -0.40 0.00	13.42 -0.44 0.00	15.45 -0.48 0.00	19.69 -0.32 0.00	22.14 -0.18 0.00	22.97 -0.26 0.00	28.28 -0.43 0.00	29.22 -0.44 0.00	24.46 -0.19 0.00	21.61 0.00 0.00	23.31 0.07 0.00	21.10 0.18 0.00	22.79 0.25 0.00	25.67 0.41 0.00	25.27 0.59 0.00	23.42 0.31 0.00	20.88 0.12 0.00	21.71 0.25 0.00	21.43 0.21 0.00	20.93 -0.01 0.00	18.01 -0.13 0.00
DUNKIRK___115KV_TB_200 55889	17.56 -0.21 0.00	18.28 -0.09 0.00	18.40 -0.25 0.00	14.15 -0.27 0.00	13.64 -0.22 0.00	15.76 -0.17 0.00	19.79 -0.22 0.00	21.92 -0.39 0.00	22.86 -0.37 0.00	28.10 -0.61 0.00	28.63 -1.04 0.00	23.62 -1.03 0.00	20.46 -1.14 0.00	22.08 -1.17 0.00	19.84 -1.08 0.00	21.30 -1.24 0.00	23.64 -1.63 0.00	23.13 -1.55 0.00	21.48 -1.63 0.00	19.42 -1.34 0.00	20.17 -1.29 0.00	19.82 -1.40 0.00	19.67 -1.26 0.00	16.97 -1.17 0.00
DUNKIRK___1 23563	17.56 -0.21 0.00	18.28 -0.09 0.00	18.40 -0.25 0.00	14.15 -0.27 0.00	13.64 -0.22 0.00	15.76 -0.17 0.00	19.79 -0.22 0.00	21.92 -0.39 0.00	22.86 -0.37 0.00	28.10 -0.61 0.00	28.63 -1.04 0.00	23.62 -1.03 0.00	20.46 -1.14 0.00	22.08 -1.17 0.00	19.84 -1.08 0.00	21.30 -1.24 0.00	23.64 -1.63 0.00	23.13 -1.55 0.00	21.48 -1.63 0.00	19.42 -1.34 0.00	20.17 -1.29 0.00	19.82 -1.40 0.00	19.67 -1.26 0.00	16.97 -1.17 0.00
DUNKIRK___2 23564	17.56 -0.21 0.00	18.28 -0.09 0.00	18.40 -0.25 0.00	14.15 -0.27 0.00	13.64 -0.22 0.00	15.76 -0.17 0.00	19.79 -0.22 0.00	21.92 -0.39 0.00	22.86 -0.37 0.00	28.10 -0.61 0.00	28.63 -1.04 0.00	23.62 -1.03 0.00	20.46 -1.14 0.00	22.08 -1.17 0.00	19.84 -1.08 0.00	21.30 -1.24 0.00	23.64 -1.63 0.00	23.13 -1.55 0.00	21.48 -1.63 0.00	19.42 -1.34 0.00	20.17 -1.29 0.00	19.82 -1.40 0.00	19.67 -1.26 0.00	16.97 -1.17 0.00
DUNKIRK___3 23565	17.50 -0.26 0.00	18.22 -0.14 0.00	18.34 -0.31 0.00	14.11 -0.31 0.00	13.60 -0.26 0.00	15.71 -0.21 0.00	19.73 -0.28 0.00	21.87 -0.45 0.00	22.81 -0.42 0.00	28.02 -0.68 0.00	28.54 -1.13 0.00	23.56 -1.09 0.00	20.43 -1.18 0.00	22.03 -1.22 0.00	19.81 -1.11 0.00	21.25 -1.28 0.00	23.59 -1.67 0.00	23.12 -1.56 0.00	21.47 -1.63 0.00	19.40 -1.36 0.00	20.15 -1.31 0.00	19.82 -1.40 0.00	19.68 -1.26 0.00	16.97 -1.17 0.00
DUNKIRK___4 23566	17.54 -0.22 0.00	18.27 -0.09 0.00	18.40 -0.25 0.00	14.16 -0.26 0.00	13.64 -0.21 0.00	15.76 -0.17 0.00	19.80 -0.21 0.00	21.92 -0.39 0.00	22.86 -0.37 0.00	28.07 -0.64 0.00	28.62 -1.04 0.00	23.61 -1.04 0.00	20.47 -1.14 0.00	22.06 -1.18 0.00	19.80 -1.12 0.00	21.28 -1.26 0.00	23.60 -1.67 0.00	23.07 -1.61 0.00	21.46 -1.65 0.00	19.42 -1.34 0.00	20.16 -1.29 0.00	19.82 -1.40 0.00	19.67 -1.26 0.00	16.97 -1.17 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	18.50 0.73 0.00	19.03 0.67 0.00	19.27 0.61 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.53 0.00	20.79 0.77 0.00	23.30 0.98 0.00	24.33 1.10 0.00	29.99 1.29 0.00	31.02 1.35 0.00	25.95 1.30 0.00	22.86 1.25 0.00	24.60 1.35 0.00	22.16 1.24 0.00	23.88 1.35 0.00	26.93 1.66 0.00	26.49 1.81 0.00	24.58 1.47 0.00	21.96 1.21 0.00	22.66 1.21 0.00	22.41 1.19 0.00	21.95 1.02 0.00	18.96 0.82 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	18.39 0.63 0.00	18.94 0.57 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.45 0.00	20.69 0.68 0.00	23.18 0.86 0.00	24.21 0.97 0.00	29.86 1.15 0.00	30.86 1.19 0.00	25.79 1.14 0.00	22.71 1.10 0.00	24.46 1.21 0.00	22.03 1.11 0.00	23.73 1.20 0.00	26.78 1.51 0.00	26.34 1.66 0.00	24.46 1.36 0.00	21.87 1.11 0.00	22.56 1.11 0.00	22.31 1.09 0.00	21.86 0.92 0.00	18.87 0.73 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	18.56 0.80 0.00	19.10 0.73 0.00	19.31 0.66 0.00	14.91 0.50 0.00	14.32 0.47 0.00	16.52 0.59 0.00	20.91 0.90 0.00	23.38 1.07 0.00	24.46 1.23 0.00	30.03 1.32 0.00	31.11 1.44 0.00	26.06 1.41 0.00	22.93 1.33 0.00	24.67 1.42 0.00	22.25 1.33 0.00	23.96 1.43 0.00	27.01 1.75 0.00	26.60 1.92 0.00	24.66 1.55 0.00	22.08 1.32 0.00	22.70 1.25 0.00	22.49 1.27 0.00	22.00 1.07 0.00	19.01 0.87 0.00
E179THST_13_KV_LOAD 356214	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.73 0.00	14.96 0.55 0.00	14.38 0.52 0.00	16.58 0.65 0.00	20.99 0.98 0.00	23.49 1.17 0.00	24.57 1.33 0.00	30.16 1.46 0.00	31.26 1.59 0.00	26.18 1.53 0.00	23.03 1.43 0.00	24.79 1.54 0.00	22.35 1.43 0.00	24.08 1.54 0.00	27.14 1.88 0.00	26.73 2.04 0.00	24.77 1.66 0.00	22.19 1.43 0.00	22.81 1.36 0.00	22.59 1.37 0.00	22.10 1.16 0.00	19.08 0.94 0.00
EAST HAMPTON___GT 23717	19.20 1.44 0.00	19.74 1.38 0.00	19.98 1.33 0.00	15.45 1.04 0.00	14.88 1.02 0.00	17.18 1.25 0.00	21.75 1.74 0.00	24.48 2.16 0.00	25.62 2.39 0.00	31.10 2.39 0.00	32.11 2.45 0.00	26.85 2.20 0.00	23.77 2.17 0.00	25.58 2.34 0.00	23.01 2.09 0.00	24.72 2.18 0.00	28.08 2.82 0.00	27.71 3.03 0.00	25.67 2.56 0.00	22.89 2.13 0.00	23.51 2.06 0.00	23.33 2.11 0.00	22.90 1.97 0.00	20.02 1.79 -0.09
EAST RIVER___6 23660	18.59 0.83 0.00	19.13 0.76 0.00	19.35 0.69 0.00	14.92 0.51 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.83 0.81 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.11 1.40 0.00	31.17 1.50 0.00	26.08 1.44 0.00	22.97 1.37 0.00	24.72 1.47 0.00	22.25 1.33 0.00	23.99 1.46 0.00	27.04 1.78 0.00	26.60 1.92 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.74 1.28 0.00	22.48 1.26 0.00	21.99 1.05 0.00	19.00 0.86 0.00
EAST RIVER___7 23524	18.59 0.83 0.00	19.13 0.76 0.00	19.35 0.69 0.00	14.92 0.51 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.83 0.81 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.11 1.40 0.00	31.17 1.50 0.00	26.08 1.44 0.00	22.97 1.37 0.00	24.72 1.47 0.00	22.25 1.33 0.00	23.99 1.46 0.00	27.04 1.78 0.00	26.60 1.92 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.74 1.28 0.00	22.48 1.26 0.00	21.99 1.05 0.00	19.00 0.86 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	18.46 0.69 0.00	18.99 0.63 0.00	19.22 0.57 0.00	14.84 0.42 0.00	14.24 0.39 0.00	16.41 0.49 0.00	20.73 0.72 0.00	23.24 0.92 0.00	24.28 1.04 0.00	29.95 1.24 0.00	30.96 1.30 0.00	25.90 1.25 0.00	22.81 1.21 0.00	24.55 1.31 0.00	22.12 1.20 0.00	23.84 1.30 0.00	26.88 1.61 0.00	26.44 1.76 0.00	24.54 1.43 0.00	21.92 1.16 0.00	22.62 1.17 0.00	22.38 1.16 0.00	21.91 0.97 0.00	18.92 0.78 0.00
EAST_HAMPTON___DIESEL 23722	19.20 1.44 0.00	19.74 1.38 0.00	19.98 1.33 0.00	15.45 1.04 0.00	14.88 1.02 0.00	17.18 1.25 0.00	21.75 1.74 0.00	24.48 2.16 0.00	25.62 2.39 0.00	31.10 2.39 0.00	32.11 2.45 0.00	26.85 2.20 0.00	23.77 2.17 0.00	25.58 2.34 0.00	23.01 2.09 0.00	24.72 2.18 0.00	28.08 2.82 0.00	27.71 3.03 0.00	25.67 2.56 0.00	22.90 2.14 0.00	23.51 2.06 0.00	23.33 2.11 0.00	22.90 1.97 0.00	20.02 1.79 -0.09
EAST_PULASKI___ESR 323781	17.28 -0.48 0.00	17.94 -0.42 0.00	18.20 -0.45 0.00	14.04 -0.38 0.00	13.55 -0.31 0.00	15.61 -0.31 0.00	19.58 -0.43 0.00	21.80 -0.52 0.00	22.66 -0.58 0.00	27.94 -0.76 0.00	28.78 -0.88 0.00	23.82 -0.82 0.00	20.85 -0.76 0.00	22.45 -0.80 0.00	20.19 -0.73 0.00	21.71 -0.83 0.00	24.36 -0.90 0.00	23.86 -0.82 0.00	22.35 -0.76 0.00	20.09 -0.67 0.00	20.70 -0.76 0.00	20.47 -0.75 0.00	20.29 -0.65 0.00	17.58 -0.56 0.00
EAST_RIVER___1 323558	18.55 0.79 0.00	19.08 0.72 0.00	19.30 0.65 0.00	14.89 0.48 0.00	14.29 0.44 0.00	16.47 0.54 0.00	20.81 0.80 0.00	23.33 1.01 0.00	24.38 1.15 0.00	30.06 1.35 0.00	31.09 1.43 0.00	26.02 1.38 0.00	22.93 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.42 0.00	26.99 1.72 0.00	26.56 1.88 0.00	24.64 1.53 0.00	22.01 1.25 0.00	22.70 1.25 0.00	22.45 1.22 0.00	21.97 1.03 0.00	18.99 0.85 0.00
EAST_RIVER___2 323559	18.59 0.83 0.00	19.13 0.76 0.00	19.35 0.69 0.00	14.92 0.51 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.83 0.81 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.11 1.40 0.00	31.17 1.50 0.00	26.08 1.44 0.00	22.97 1.37 0.00	24.72 1.47 0.00	22.25 1.33 0.00	23.99 1.46 0.00	27.04 1.78 0.00	26.60 1.92 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.74 1.28 0.00	22.48 1.26 0.00	21.99 1.05 0.00	19.00 0.86 0.00
EAST___DELAWARE_HYD 23607	18.61 0.85 0.00	19.26 0.90 0.00	19.50 0.85 0.00	15.04 0.62 0.00	14.45 0.59 0.00	16.66 0.73 0.00	21.07 1.06 0.00	23.62 1.30 0.00	24.65 1.42 0.00	30.42 1.71 0.00	31.38 1.71 0.00	26.23 1.58 0.00	23.10 1.49 0.00	24.89 1.64 0.00	22.39 1.47 0.00	24.09 1.55 0.00	27.25 1.99 0.00	26.82 2.14 0.00	24.94 1.83 0.00	22.29 1.53 0.00	23.00 1.55 0.00	22.73 1.51 0.00	22.25 1.32 0.00	19.19 1.05 0.00
EIGHT_POINT___WT_PWR 323820	17.77 0.01 0.00	18.54 0.18 0.00	18.52 -0.13 0.00	14.04 -0.37 0.00	13.18 -0.68 0.00	15.12 -0.81 0.00	18.93 -1.08 0.00	20.98 -1.34 0.00	22.05 -1.19 0.00	27.10 -1.60 0.00	27.66 -2.01 0.00	23.03 -1.62 0.00	19.85 -1.75 0.00	21.28 -1.96 0.00	19.04 -1.88 0.00	20.46 -2.07 0.00	22.81 -2.46 0.00	22.57 -2.11 0.00	20.93 -2.18 0.00	18.94 -1.81 0.00	19.65 -1.80 0.00	19.15 -2.07 0.00	18.83 -2.10 0.00	16.28 -1.85 0.00
ELBRIDGE_115KV_TB2 80188	17.90 0.14 0.00	18.51 0.14 0.00	18.74 0.09 0.00	14.47 0.06 0.00	13.89 0.03 0.00	16.01 0.09 0.00	20.22 0.21 0.00	22.49 0.17 0.00	23.45 0.22 0.00	28.55 -0.15 0.00	29.08 -0.59 0.00	24.15 -0.50 0.00	21.20 -0.40 0.00	22.84 -0.41 0.00	20.54 -0.38 0.00	22.13 -0.41 0.00	24.81 -0.45 0.00	24.25 -0.43 0.00	22.68 -0.43 0.00	20.40 -0.35 0.00	21.06 -0.39 0.00	20.81 -0.41 0.00	20.56 -0.38 0.00	17.80 -0.34 0.00
ELEC_TRO_TEK 24086	18.66 0.89 0.00	19.17 0.81 0.00	19.39 0.74 0.00	14.97 0.55 0.00	14.38 0.52 0.00	16.59 0.67 0.00	21.00 0.99 0.00	23.57 1.25 0.00	24.63 1.39 0.00	30.29 1.59 0.00	31.35 1.69 0.00	26.28 1.63 0.00	23.17 1.57 0.00	24.93 1.68 0.00	22.42 1.50 0.00	24.15 1.62 0.00	27.30 2.04 0.00	26.83 2.15 0.00	24.89 1.78 0.00	22.25 1.49 0.00	22.90 1.45 0.00	22.68 1.45 0.00	22.23 1.30 0.00	19.30 1.07 -0.09
ELLENBURG_WT_PWR 323604	17.28 -0.48 0.00	18.02 -0.35 0.00	18.74 0.09 0.00	14.62 0.20 0.00	14.15 0.29 0.00	16.29 0.36 0.00	20.35 0.34 0.00	22.72 0.40 0.00	23.69 0.46 0.00	29.78 1.07 0.00	31.11 1.45 0.00	25.53 0.88 0.00	21.89 0.29 0.00	22.90 -0.35 0.00	20.43 -0.48 0.00	22.00 -0.54 0.00	11.66 -0.99 12.61	20.03 -1.00 3.65	-21.04 -0.84 43.31	9.98 -0.44 10.34	21.13 -0.32 0.00	21.14 -0.08 0.00	20.99 0.05 0.00	18.27 0.12 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	17.32 -0.44 0.00	18.06 -0.31 0.00	18.22 -0.43 0.00	14.04 -0.37 0.00	13.53 -0.32 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.68 -0.64 0.00	22.60 -0.63 0.00	27.70 -1.01 0.00	28.32 -1.35 0.00	23.37 -1.28 0.00	20.27 -1.33 0.00	21.81 -1.44 0.00	19.52 -1.40 0.00	20.99 -1.54 0.00	23.24 -2.03 0.00	22.64 -2.04 0.00	21.11 -2.00 0.00	19.18 -1.58 0.00	19.93 -1.53 0.00	19.58 -1.64 0.00	19.44 -1.49 0.00	16.78 -1.36 0.00
EMPIRE_CC_1 323656	17.90 0.14 0.00	18.42 0.06 0.00	18.67 0.02 0.00	14.45 0.04 0.00	13.89 0.04 0.00	15.97 0.04 0.00	20.03 0.01 0.00	22.45 0.13 0.00	23.35 0.11 0.00	28.90 0.19 0.00	29.96 0.29 0.00	24.95 0.30 0.00	21.98 0.38 0.00	23.71 0.46 0.00	21.35 0.43 0.00	23.07 0.53 0.00	25.90 0.64 0.00	25.36 0.69 0.00	23.53 0.43 0.00	21.02 0.26 0.00	21.75 0.30 0.00	21.56 0.34 0.00	21.23 0.30 0.00	18.37 0.23 0.00
EMPIRE_CC_2 323658	17.90 0.14 0.00	18.42 0.06 0.00	18.67 0.02 0.00	14.45 0.04 0.00	13.89 0.04 0.00	15.97 0.04 0.00	20.03 0.01 0.00	22.45 0.13 0.00	23.35 0.11 0.00	28.90 0.19 0.00	29.96 0.29 0.00	24.95 0.30 0.00	21.98 0.38 0.00	23.71 0.46 0.00	21.35 0.43 0.00	23.07 0.53 0.00	25.90 0.64 0.00	25.36 0.69 0.00	23.53 0.43 0.00	21.02 0.26 0.00	21.75 0.30 0.00	21.56 0.34 0.00	21.23 0.30 0.00	18.37 0.23 0.00
ENORWICH_115KV_TB1 80156	18.88 1.12 0.00	19.48 1.12 0.00	19.72 1.07 0.00	15.06 0.65 0.00	14.45 0.59 0.00	16.76 0.84 0.00	21.24 1.23 0.00	23.43 1.11 0.00	24.32 1.09 0.00	30.02 1.31 0.00	30.75 1.09 0.00	25.63 0.98 0.00	22.53 0.93 0.00	24.30 1.05 0.00	21.89 0.97 0.00	23.61 1.08 0.00	26.65 1.39 0.00	26.33 1.65 0.00	24.60 1.49 0.00	22.21 1.45 0.00	22.88 1.43 0.00	22.50 1.28 0.00	22.04 1.11 0.00	19.00 0.86 0.00
ERIE_ST__34_KV_TB1-2 80199	17.79 0.03 0.00	18.53 0.17 0.00	18.69 0.04 0.00	14.40 -0.01 0.00	13.88 0.02 0.00	16.03 0.10 0.00	20.14 0.13 0.00	22.33 0.01 0.00	23.30 0.07 0.00	28.56 -0.15 0.00	29.20 -0.47 0.00	24.09 -0.56 0.00	20.92 -0.68 0.00	22.54 -0.71 0.00	20.18 -0.74 0.00	21.71 -0.83 0.00	24.05 -1.21 0.00	23.50 -1.18 0.00	21.90 -1.21 0.00	19.86 -0.89 0.00	20.62 -0.83 0.00	20.27 -0.95 0.00	20.13 -0.81 0.00	17.35 -0.79 0.00
ERIE_WT_PWR 323693	17.47 -0.29 0.00	18.22 -0.15 0.00	18.37 -0.28 0.00	14.15 -0.26 0.00	13.64 -0.21 0.00	15.75 -0.18 0.00	19.76 -0.25 0.00	21.85 -0.47 0.00	22.78 -0.46 0.00	27.93 -0.77 0.00	28.57 -1.09 0.00	23.57 -1.08 0.00	20.45 -1.16 0.00	22.00 -1.25 0.00	19.71 -1.21 0.00	21.20 -1.33 0.00	23.46 -1.80 0.00	22.88 -1.80 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.12 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.91 -1.23 0.00
ESPRGFLD_115KV_TB1 80157	18.67 0.91 0.00	19.38 1.02 0.00	19.67 1.02 0.00	15.15 0.74 0.00	14.54 0.69 0.00	16.75 0.83 0.00	21.20 1.19 0.00	23.59 1.27 0.00	24.49 1.25 0.00	30.16 1.45 0.00	30.99 1.32 0.00	25.65 1.00 0.00	22.46 0.85 0.00	24.17 0.92 0.00	21.72 0.81 0.00	23.36 0.82 0.00	26.24 0.97 0.00	25.73 1.05 0.00	24.17 1.06 0.00	21.82 1.06 0.00	22.55 1.10 0.00	22.22 0.99 0.00	21.90 0.96 0.00	18.96 0.82 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	18.05 0.29 0.00	18.67 0.30 0.00	18.89 0.24 0.00	14.57 0.15 0.00	13.99 0.14 0.00	16.14 0.22 0.00	20.36 0.34 0.00	22.68 0.37 0.00	23.66 0.42 0.00	29.12 0.41 0.00	29.90 0.23 0.00	24.85 0.20 0.00	21.78 0.17 0.00	23.46 0.21 0.00	21.12 0.20 0.00	22.75 0.21 0.00	25.54 0.28 0.00	25.05 0.37 0.00	23.39 0.28 0.00	21.04 0.28 0.00	21.71 0.26 0.00	21.42 0.19 0.00	21.10 0.17 0.00	18.23 0.09 0.00
ETNA____115KV_TB2 80207	18.05 0.29 0.00	18.67 0.30 0.00	18.89 0.24 0.00	14.57 0.15 0.00	13.99 0.14 0.00	16.14 0.22 0.00	20.36 0.34 0.00	22.68 0.37 0.00	23.66 0.42 0.00	29.12 0.41 0.00	29.90 0.23 0.00	24.85 0.20 0.00	21.78 0.17 0.00	23.46 0.21 0.00	21.12 0.20 0.00	22.75 0.21 0.00	25.54 0.28 0.00	25.05 0.37 0.00	23.39 0.28 0.00	21.04 0.28 0.00	21.71 0.26 0.00	21.42 0.19 0.00	21.10 0.17 0.00	18.23 0.09 0.00
EUCLID__115KV_TB2 356179	17.48 -0.28 0.00	18.08 -0.29 0.00	18.32 -0.33 0.00	14.16 -0.26 0.00	13.61 -0.24 0.00	15.67 -0.26 0.00	19.68 -0.33 0.00	21.89 -0.42 0.00	22.80 -0.44 0.00	28.06 -0.65 0.00	28.88 -0.79 0.00	24.00 -0.65 0.00	21.05 -0.56 0.00	22.65 -0.60 0.00	20.41 -0.51 0.00	21.96 -0.57 0.00	24.61 -0.65 0.00	24.07 -0.61 0.00	22.50 -0.61 0.00	20.23 -0.53 0.00	20.92 -0.54 0.00	20.68 -0.54 0.00	20.44 -0.50 0.00	17.70 -0.44 0.00
E_CANADA_CAP_HY 24051	18.79 1.03 0.00	19.55 1.18 0.00	19.83 1.18 0.00	15.30 0.88 0.00	14.70 0.84 0.00	16.92 0.99 0.00	21.44 1.43 0.00	23.87 1.55 0.00	24.72 1.49 0.00	30.43 1.73 0.00	31.28 1.62 0.00	25.81 1.16 0.00	22.59 0.99 0.00	24.34 1.09 0.00	21.85 0.93 0.00	23.53 0.99 0.00	26.37 1.11 0.00	25.84 1.16 0.00	24.31 1.20 0.00	21.95 1.20 0.00	22.70 1.24 0.00	22.37 1.15 0.00	22.08 1.14 0.00	19.14 1.00 0.00
E_CANADA_MHWK_HY 24050	17.46 -0.30 0.00	17.94 -0.42 0.00	18.09 -0.57 0.00	14.01 -0.40 0.00	13.42 -0.44 0.00	15.45 -0.48 0.00	19.69 -0.32 0.00	22.14 -0.18 0.00	22.97 -0.26 0.00	28.28 -0.43 0.00	29.22 -0.44 0.00	24.46 -0.19 0.00	21.61 0.00 0.00	23.31 0.07 0.00	21.10 0.18 0.00	22.79 0.25 0.00	25.67 0.41 0.00	25.27 0.59 0.00	23.42 0.31 0.00	20.88 0.12 0.00	21.71 0.25 0.00	21.43 0.21 0.00	20.93 -0.01 0.00	18.01 -0.13 0.00
E_FISHKILL__LBMP 23776	18.33 0.57 0.00	18.87 0.50 0.00	19.11 0.45 0.00	14.75 0.34 0.00	14.17 0.31 0.00	16.31 0.39 0.00	20.59 0.58 0.00	23.08 0.76 0.00	24.09 0.86 0.00	29.73 1.02 0.00	30.75 1.08 0.00	25.71 1.06 0.00	22.66 1.06 0.00	24.40 1.15 0.00	21.98 1.06 0.00	23.70 1.16 0.00	26.70 1.44 0.00	26.25 1.57 0.00	24.36 1.25 0.00	21.77 1.00 0.00	22.46 1.01 0.00	22.23 1.01 0.00	21.78 0.85 0.00	18.81 0.67 0.00
FALCON__SEABRD_CC1 323796	17.32 -0.45 0.00	18.04 -0.32 0.00	18.76 0.11 0.00	14.64 0.22 0.00	14.18 0.32 0.00	16.35 0.43 0.00	20.47 0.45 0.00	22.84 0.52 0.00	23.80 0.57 0.00	30.10 1.39 0.00	31.57 1.90 0.00	25.92 1.27 0.00	22.23 0.62 0.00	23.23 -0.02 0.00	20.75 -0.17 0.00	22.31 -0.22 0.00	11.90 -0.64 12.73	20.34 -0.66 3.68	-21.08 -0.49 43.71	10.19 -0.13 10.43	21.42 -0.03 0.00	21.43 0.20 0.00	21.26 0.33 0.00	18.49 0.35 0.00
FALCON__SEABRD_CC2 323797	17.32 -0.45 0.00	18.04 -0.32 0.00	18.76 0.11 0.00	14.64 0.22 0.00	14.18 0.32 0.00	16.35 0.43 0.00	20.47 0.45 0.00	22.84 0.52 0.00	23.80 0.57 0.00	30.10 1.39 0.00	31.57 1.90 0.00	25.92 1.27 0.00	22.23 0.62 0.00	23.23 -0.02 0.00	20.75 -0.17 0.00	22.31 -0.22 0.00	11.90 -0.64 12.73	20.34 -0.66 3.68	-21.08 -0.49 43.71	10.19 -0.13 10.43	21.42 -0.03 0.00	21.43 0.20 0.00	21.26 0.33 0.00	18.49 0.35 0.00



FAR ROCKAWAY___4 23548	18.85 1.09 0.00	19.37 1.00 0.00	19.59 0.94 0.00	15.11 0.70 0.00	14.52 0.66 0.00	16.77 0.84 0.00	21.23 1.22 0.00	23.84 1.52 0.00	24.91 1.68 0.00	30.63 1.93 0.00	31.70 2.04 0.00	26.58 1.93 0.00	23.45 1.85 0.00	25.22 1.98 0.00	22.67 1.75 0.00	24.42 1.88 0.00	27.43 2.17 0.00	26.98 2.31 0.00	25.04 1.93 0.00	22.55 1.79 0.00	23.22 1.77 0.00	22.97 1.75 0.00	22.50 1.57 0.00	19.51 1.28 -0.09
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	18.55 0.79 0.00	19.08 0.72 0.00	19.30 0.65 0.00	14.90 0.48 0.00	14.30 0.44 0.00	16.47 0.55 0.00	20.82 0.81 0.00	23.33 1.01 0.00	24.40 1.16 0.00	30.06 1.36 0.00	31.09 1.43 0.00	26.02 1.38 0.00	22.93 1.33 0.00	24.68 1.43 0.00	22.23 1.31 0.00	23.96 1.42 0.00	27.00 1.74 0.00	26.56 1.88 0.00	24.66 1.54 0.00	22.03 1.27 0.00	22.71 1.26 0.00	22.47 1.25 0.00	21.98 1.05 0.00	19.00 0.86 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	18.56 0.80 0.00	19.09 0.73 0.00	19.32 0.66 0.00	14.91 0.49 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.83 0.82 0.00	23.34 1.03 0.00	24.41 1.18 0.00	30.08 1.38 0.00	31.12 1.45 0.00	26.04 1.39 0.00	22.94 1.34 0.00	24.69 1.44 0.00	22.24 1.32 0.00	23.97 1.43 0.00	27.01 1.75 0.00	26.58 1.90 0.00	24.67 1.56 0.00	22.04 1.28 0.00	22.73 1.28 0.00	22.48 1.26 0.00	21.99 1.06 0.00	19.01 0.87 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	18.54 0.78 0.00	19.07 0.71 0.00	19.30 0.65 0.00	14.89 0.48 0.00	14.30 0.44 0.00	16.47 0.54 0.00	20.81 0.80 0.00	23.32 1.00 0.00	24.39 1.15 0.00	30.06 1.35 0.00	31.09 1.43 0.00	26.02 1.37 0.00	22.92 1.32 0.00	24.66 1.41 0.00	22.22 1.30 0.00	23.95 1.41 0.00	26.99 1.72 0.00	26.55 1.88 0.00	24.64 1.53 0.00	22.02 1.26 0.00	22.71 1.25 0.00	22.45 1.23 0.00	21.97 1.04 0.00	18.99 0.85 0.00
FARRAGUT___LBMP 323566	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.53 0.00	20.79 0.78 0.00	23.30 0.98 0.00	24.36 1.13 0.00	30.03 1.32 0.00	31.06 1.40 0.00	25.99 1.35 0.00	22.90 1.30 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.96 1.70 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.96 1.02 0.00	18.97 0.83 0.00
FENNER___WINDPWR 24204	18.01 0.25 0.00	18.66 0.29 0.00	18.92 0.27 0.00	14.59 0.17 0.00	14.03 0.17 0.00	16.17 0.25 0.00	20.38 0.36 0.00	22.69 0.37 0.00	23.63 0.39 0.00	29.13 0.42 0.00	30.02 0.35 0.00	24.93 0.28 0.00	21.85 0.25 0.00	23.53 0.28 0.00	21.19 0.27 0.00	22.78 0.25 0.00	25.59 0.33 0.00	25.06 0.39 0.00	23.42 0.31 0.00	21.03 0.27 0.00	21.68 0.23 0.00	21.43 0.21 0.00	21.14 0.20 0.00	18.26 0.12 0.00
FIBERTEK___ENERGY 23856	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
FITZPATRICK___ 23598	17.23 -0.53 0.00	17.82 -0.54 0.00	18.08 -0.57 0.00	13.97 -0.45 0.00	13.44 -0.42 0.00	15.45 -0.48 0.00	19.37 -0.64 0.00	21.52 -0.79 0.00	22.40 -0.83 0.00	27.63 -1.08 0.00	28.49 -1.17 0.00	23.68 -0.97 0.00	20.77 -0.84 0.00	22.34 -0.90 0.00	20.13 -0.79 0.00	21.66 -0.87 0.00	24.26 -1.00 0.00	23.72 -0.96 0.00	22.19 -0.92 0.00	19.97 -0.79 0.00	20.62 -0.83 0.00	20.40 -0.83 0.00	20.19 -0.75 0.00	17.49 -0.65 0.00
FLOWRFLD_69_KV_BK1 356044	18.86 1.10 0.00	19.35 0.99 0.00	19.58 0.93 0.00	15.11 0.70 0.00	14.53 0.67 0.00	16.78 0.85 0.00	21.24 1.23 0.00	23.88 1.56 0.00	24.97 1.74 0.00	30.57 1.86 0.00	31.60 1.94 0.00	26.48 1.83 0.00	23.42 1.82 0.00	25.19 1.94 0.00	22.64 1.72 0.00	24.35 1.81 0.00	27.59 2.32 0.00	27.17 2.49 0.00	25.16 2.05 0.00	22.47 1.71 0.00	23.08 1.63 0.00	22.90 1.68 0.00	22.46 1.53 0.00	19.60 1.37 -0.09
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	18.53 0.77 0.00	19.08 0.72 0.00	19.32 0.66 0.00	14.91 0.50 0.00	14.32 0.46 0.00	16.50 0.57 0.00	20.85 0.84 0.00	23.39 1.07 0.00	24.42 1.18 0.00	30.12 1.42 0.00	31.15 1.48 0.00	26.04 1.39 0.00	22.95 1.35 0.00	24.72 1.47 0.00	22.26 1.34 0.00	24.00 1.46 0.00	27.06 1.80 0.00	26.62 1.94 0.00	24.72 1.61 0.00	22.08 1.33 0.00	22.79 1.34 0.00	22.53 1.31 0.00	22.06 1.13 0.00	19.04 0.90 0.00
FORT ORANGE___ 23900	17.91 0.14 0.00	18.40 0.04 0.00	18.67 0.02 0.00	14.49 0.08 0.00	13.93 0.08 0.00	16.03 0.10 0.00	20.11 0.10 0.00	22.55 0.23 0.00	23.47 0.23 0.00	29.02 0.31 0.00	30.06 0.39 0.00	25.02 0.37 0.00	22.02 0.42 0.00	23.75 0.51 0.00	21.42 0.50 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.45 0.78 0.00	23.66 0.55 0.00	21.15 0.39 0.00	21.86 0.41 0.00	21.62 0.40 0.00	21.24 0.30 0.00	18.39 0.24 0.00
FORT_DRUM_COGEN 23780	17.15 -0.61 0.00	18.03 -0.33 0.00	18.41 -0.24 0.00	14.13 -0.28 0.00	13.75 -0.11 0.00	15.88 -0.04 0.00	19.85 -0.16 0.00	22.16 -0.15 0.00	22.95 -0.29 0.00	28.37 -0.34 0.00	29.19 -0.48 0.00	23.92 -0.73 0.00	20.77 -0.84 0.00	22.40 -0.85 0.00	20.05 -0.87 0.00	21.49 -1.05 0.00	24.68 -1.12 -0.54	23.86 -0.97 -0.16	24.22 -0.74 -1.85	20.50 -0.70 -0.44	20.52 -0.93 0.00	20.36 -0.86 0.00	20.36 -0.57 0.00	17.68 -0.46 0.00
FOX_HILLS___ESR 323835	18.63 0.87 0.00	19.17 0.80 0.00	19.38 0.73 0.00	14.97 0.55 0.00	14.37 0.51 0.00	16.58 0.65 0.00	21.01 1.00 -0.01	23.44 1.12 0.00	24.54 1.30 -0.01	30.18 1.47 0.00	31.20 1.53 0.00	26.12 1.47 0.00	22.98 1.37 0.00	24.76 1.51 0.00	22.28 1.36 0.00	24.02 1.48 0.00	27.05 1.78 0.00	26.65 1.97 0.00	24.74 1.63 0.00	22.13 1.37 0.00	22.82 1.37 0.00	22.56 1.34 0.00	22.07 1.13 0.00	19.04 0.90 0.00
FPL_FAR_ROCK_GT1 24212	18.85 1.09 0.00	19.37 1.00 0.00	19.59 0.93 0.00	15.11 0.70 0.00	14.52 0.66 0.00	16.77 0.84 0.00	21.23 1.22 0.00	23.84 1.52 0.00	24.91 1.68 0.00	30.63 1.93 0.00	31.70 2.03 0.00	26.58 1.93 0.00	23.45 1.85 0.00	25.22 1.97 0.00	22.66 1.74 0.00	24.42 1.88 0.00	27.43 2.17 0.00	26.98 2.31 0.00	25.04 1.93 0.00	22.54 1.78 0.00	23.22 1.77 0.00	22.97 1.74 0.00	22.51 1.57 0.00	19.51 1.28 -0.09
FPL_FAR_ROCK_GT2 23815	18.85 1.09 0.00	19.37 1.00 0.00	19.59 0.93 0.00	15.11 0.70 0.00	14.52 0.66 0.00	16.77 0.84 0.00	21.23 1.22 0.00	23.84 1.52 0.00	24.91 1.68 0.00	30.63 1.93 0.00	31.70 2.03 0.00	26.58 1.93 0.00	23.45 1.85 0.00	25.22 1.97 0.00	22.66 1.74 0.00	24.42 1.88 0.00	27.43 2.17 0.00	26.98 2.31 0.00	25.04 1.93 0.00	22.54 1.78 0.00	23.22 1.77 0.00	22.97 1.74 0.00	22.51 1.57 0.00	19.51 1.28 -0.09



FRANKLIN_FALL_HYD 24054	17.61 -0.15 0.00	18.34 -0.02 0.00	18.99 0.34 0.00	14.77 0.36 0.00	14.29 0.43 0.00	16.40 0.47 0.00	20.51 0.50 0.00	22.91 0.59 0.00	23.87 0.64 0.00	29.90 1.19 0.00	31.17 1.51 0.00	25.62 0.97 0.00	22.03 0.43 0.00	23.20 -0.05 0.00	20.73 -0.18 0.00	22.32 -0.22 0.00	33.43 -0.55 -8.72	26.64 -0.56 -2.52	52.66 -0.39 -29.94	27.84 -0.06 -7.15	21.48 0.03 0.00	21.38 0.16 0.00	21.23 0.30 0.00	18.50 0.36 0.00
FREEPORT_EQUS_GT1 23764	18.78 1.02 0.00	19.27 0.91 0.00	19.50 0.85 0.00	15.04 0.63 0.00	14.46 0.60 0.00	16.70 0.78 0.00	21.14 1.12 0.00	23.74 1.42 0.00	24.81 1.58 0.00	30.48 1.77 0.00	31.55 1.89 0.00	26.45 1.80 0.00	23.35 1.74 0.00	25.11 1.86 0.00	22.56 1.64 0.00	24.31 1.77 0.00	27.50 2.23 0.00	27.06 2.39 0.00	25.08 1.98 0.00	22.42 1.66 0.00	23.08 1.63 0.00	22.85 1.63 0.00	22.39 1.46 0.00	19.45 1.21 -0.09
FREEPORT___CT2 23818	18.78 1.02 0.00	19.27 0.91 0.00	19.50 0.85 0.00	15.04 0.63 0.00	14.46 0.60 0.00	16.70 0.78 0.00	21.14 1.12 0.00	23.74 1.42 0.00	24.81 1.58 0.00	30.48 1.77 0.00	31.55 1.89 0.00	26.45 1.80 0.00	23.35 1.74 0.00	25.11 1.86 0.00	22.56 1.64 0.00	24.31 1.77 0.00	27.50 2.23 0.00	27.06 2.39 0.00	25.08 1.98 0.00	22.42 1.66 0.00	23.08 1.63 0.00	22.85 1.63 0.00	22.39 1.46 0.00	19.45 1.21 -0.09
FRESHKLS_33_KV_LOAD 356253	18.66 0.89 0.00	19.19 0.83 0.00	19.42 0.76 0.00	14.99 0.58 0.00	14.41 0.55 0.00	16.62 0.69 0.00	21.04 1.02 -0.01	23.45 1.13 0.00	24.52 1.28 -0.01	30.15 1.44 0.00	31.17 1.50 0.00	26.14 1.49 0.00	23.00 1.39 0.00	24.78 1.54 0.00	22.30 1.38 0.00	24.04 1.50 0.00	27.07 1.81 0.00	26.68 2.00 0.00	24.77 1.66 0.00	22.16 1.41 0.00	22.86 1.41 0.00	22.59 1.37 0.00	22.10 1.16 0.00	19.07 0.93 0.00
FULTON COGEN____ 23766	17.37 -0.39 0.00	17.97 -0.39 0.00	18.22 -0.43 0.00	14.07 -0.35 0.00	13.54 -0.32 0.00	15.59 -0.34 0.00	19.56 -0.45 0.00	21.76 -0.56 0.00	22.64 -0.59 0.00	27.92 -0.79 0.00	28.76 -0.90 0.00	23.89 -0.75 0.00	20.96 -0.65 0.00	22.56 -0.68 0.00	20.32 -0.60 0.00	21.88 -0.65 0.00	24.53 -0.73 0.00	24.01 -0.67 0.00	22.44 -0.67 0.00	20.18 -0.58 0.00	20.84 -0.61 0.00	20.59 -0.63 0.00	20.35 -0.58 0.00	17.62 -0.52 0.00
FULTON___LFGE 323630	19.47 1.71 0.00	20.20 1.84 0.00	20.48 1.82 0.00	15.81 1.39 0.00	15.21 1.36 0.00	17.58 1.65 0.00	22.40 2.38 0.00	25.05 2.73 0.00	25.97 2.73 0.00	31.97 3.26 0.00	32.74 3.08 0.00	26.98 2.33 0.00	23.77 2.17 0.00	25.66 2.41 0.00	23.12 2.21 0.00	24.94 2.40 0.00	28.10 2.83 0.00	27.63 2.96 0.00	25.90 2.79 0.00	23.32 2.56 0.00	24.06 2.60 0.00	23.63 2.41 0.00	23.23 2.29 0.00	20.00 1.86 0.00
G.F.CEMENT___DRP 24184	18.46 0.70 0.00	19.01 0.65 0.00	19.23 0.58 0.00	14.86 0.45 0.00	14.26 0.40 0.00	16.48 0.56 0.00	20.92 0.91 0.00	23.54 1.22 0.00	24.49 1.25 0.00	30.32 1.61 0.00	31.38 1.72 0.00	26.06 1.42 0.00	23.00 1.39 0.00	24.96 1.71 0.00	22.42 1.50 0.00	24.24 1.71 0.00	27.11 1.84 0.00	26.63 1.95 0.00	24.71 1.60 0.00	22.05 1.29 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.15 1.22 0.00	19.12 0.98 0.00
GARDENVILLE___LBMP 24039	17.40 -0.36 0.00	18.14 -0.22 0.00	18.30 -0.35 0.00	14.10 -0.32 0.00	13.58 -0.27 0.00	15.68 -0.24 0.00	19.68 -0.34 0.00	21.76 -0.55 0.00	22.69 -0.55 0.00	27.81 -0.90 0.00	28.43 -1.24 0.00	23.46 -1.19 0.00	20.35 -1.25 0.00	21.90 -1.35 0.00	19.61 -1.31 0.00	21.22 -1.44 -0.13	23.53 -1.91 -0.18	22.78 -1.90 0.00	21.23 -1.88 0.00	19.28 -1.48 0.00	20.02 -1.43 0.00	19.67 -1.55 0.00	19.54 -1.40 0.00	16.85 -1.29 0.00
GARDNVLA_35_KV_LD 355827	17.49 -0.28 0.00	18.23 -0.13 0.00	18.38 -0.27 0.00	14.16 -0.25 0.00	13.64 -0.21 0.00	15.75 -0.17 0.00	19.77 -0.24 0.00	21.87 -0.45 0.00	22.81 -0.43 0.00	27.96 -0.75 0.00	28.58 -1.08 0.00	23.60 -1.05 0.00	20.47 -1.13 0.00	22.02 -1.22 0.00	19.72 -1.20 0.00	21.22 -1.32 0.00	23.49 -1.78 0.00	22.92 -1.76 0.00	21.37 -1.74 0.00	19.41 -1.35 0.00	20.14 -1.31 0.00	19.80 -1.42 0.00	19.64 -1.29 0.00	16.94 -1.20 0.00
GELCKHM___115KV_LOAD 80723	17.62 -0.14 0.00	18.22 -0.14 0.00	18.46 -0.19 0.00	14.26 -0.15 0.00	13.71 -0.15 0.00	15.79 -0.14 0.00	19.85 -0.16 0.00	22.10 -0.22 0.00	23.02 -0.22 0.00	28.26 -0.45 0.00	29.02 -0.65 0.00	24.12 -0.53 0.00	21.15 -0.45 0.00	22.77 -0.48 0.00	20.51 -0.41 0.00	22.08 -0.46 0.00	24.74 -0.52 0.00	24.20 -0.48 0.00	22.62 -0.49 0.00	20.35 -0.42 0.00	21.02 -0.43 0.00	20.77 -0.45 0.00	20.53 -0.41 0.00	17.77 -0.37 0.00
GENERAL___MILLS 23808	17.47 -0.29 0.00	18.21 -0.16 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.23 0.00	15.73 -0.19 0.00	19.75 -0.26 0.00	21.84 -0.48 0.00	22.78 -0.46 0.00	27.92 -0.78 0.00	28.55 -1.12 0.00	23.56 -1.09 0.00	20.44 -1.17 0.00	22.00 -1.26 0.00	19.69 -1.23 0.00	21.19 -1.35 0.00	23.45 -1.81 0.00	22.88 -1.79 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.11 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.92 -1.22 0.00
GE_PLASTICS___DRP 24183	17.90 0.14 0.00	18.42 0.06 0.00	18.70 0.05 0.00	14.49 0.08 0.00	13.93 0.07 0.00	16.01 0.09 0.00	20.11 0.10 0.00	22.52 0.20 0.00	23.44 0.21 0.00	28.98 0.27 0.00	30.00 0.33 0.00	24.98 0.34 0.00	21.98 0.38 0.00	23.70 0.45 0.00	21.36 0.44 0.00	23.04 0.50 0.00	25.88 0.61 0.00	25.35 0.67 0.00	23.58 0.47 0.00	21.09 0.33 0.00	21.79 0.34 0.00	21.57 0.35 0.00	21.20 0.27 0.00	18.35 0.21 0.00
GILBOA___1 23756	18.02 0.26 0.00	18.59 0.22 0.00	18.91 0.26 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.09 0.17 0.00	20.26 0.25 0.00	22.67 0.35 0.00	23.62 0.39 0.00	29.17 0.46 0.00	30.15 0.49 0.00	25.13 0.48 0.00	22.10 0.49 0.00	23.81 0.56 0.00	21.44 0.52 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.47 0.79 0.00	23.70 0.59 0.00	21.22 0.46 0.00	21.93 0.47 0.00	21.69 0.47 0.00	21.32 0.38 0.00	18.44 0.30 0.00
GILBOA___2 23757	18.02 0.26 0.00	18.59 0.22 0.00	18.91 0.26 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.09 0.17 0.00	20.26 0.25 0.00	22.67 0.35 0.00	23.62 0.39 0.00	29.17 0.46 0.00	30.15 0.49 0.00	25.13 0.48 0.00	22.10 0.49 0.00	23.81 0.56 0.00	21.44 0.52 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.47 0.79 0.00	23.70 0.59 0.00	21.22 0.46 0.00	21.93 0.47 0.00	21.69 0.47 0.00	21.32 0.38 0.00	18.44 0.30 0.00
GILBOA___3 23758	18.02 0.26 0.00	18.59 0.22 0.00	18.91 0.26 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.09 0.17 0.00	20.26 0.25 0.00	22.67 0.35 0.00	23.62 0.39 0.00	29.17 0.46 0.00	30.15 0.49 0.00	25.13 0.48 0.00	22.10 0.49 0.00	23.81 0.56 0.00	21.44 0.52 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.47 0.79 0.00	23.70 0.59 0.00	21.22 0.46 0.00	21.93 0.47 0.00	21.69 0.47 0.00	21.32 0.38 0.00	18.44 0.30 0.00



GILBOA___4 23759	18.02 0.26 0.00	18.59 0.22 0.00	18.91 0.26 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.09 0.17 0.00	20.26 0.25 0.00	22.67 0.35 0.00	23.62 0.39 0.00	29.17 0.46 0.00	30.15 0.49 0.00	25.13 0.48 0.00	22.10 0.49 0.00	23.81 0.56 0.00	21.44 0.52 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.47 0.79 0.00	23.70 0.59 0.00	21.22 0.46 0.00	21.93 0.47 0.00	21.69 0.47 0.00	21.32 0.38 0.00	18.44 0.30 0.00
GILBOA____ 23599	18.02 0.26 0.00	18.59 0.22 0.00	18.91 0.26 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.09 0.17 0.00	20.26 0.25 0.00	22.67 0.35 0.00	23.62 0.39 0.00	29.17 0.47 0.00	30.16 0.49 0.00	25.13 0.48 0.00	22.10 0.49 0.00	23.81 0.56 0.00	21.44 0.52 0.00	23.11 0.58 0.00	25.98 0.71 0.00	25.47 0.79 0.00	23.70 0.59 0.00	21.22 0.46 0.00	21.93 0.47 0.00	21.69 0.47 0.00	21.32 0.38 0.00	18.43 0.30 0.00
GINNA____ 23603	16.64 -1.13 0.00	17.26 -1.11 0.00	17.49 -1.17 0.00	13.50 -0.91 0.00	13.02 -0.84 0.00	15.04 -0.88 0.00	18.94 -1.07 0.00	21.04 -1.27 0.00	21.93 -1.30 0.00	26.95 -1.75 0.00	27.69 -1.98 0.00	22.92 -1.72 0.00	20.00 -1.60 0.00	21.52 -1.72 0.00	19.33 -1.59 0.00	20.81 -1.72 0.00	23.23 -2.03 0.00	22.65 -2.03 0.00	21.16 -1.95 0.00	19.12 -1.64 0.00	19.77 -1.68 0.00	19.48 -1.75 0.00	19.25 -1.69 0.00	16.63 -1.51 0.00
GLEN PARK____ 23778	17.19 -0.57 0.00	18.06 -0.31 0.00	18.43 -0.22 0.00	14.15 -0.27 0.00	13.76 -0.10 0.00	15.91 -0.02 0.00	19.91 -0.10 0.00	22.24 -0.07 0.00	23.04 -0.19 0.00	28.48 -0.23 0.00	29.28 -0.38 0.00	24.00 -0.65 0.00	20.85 -0.76 0.00	22.49 -0.76 0.00	20.14 -0.78 0.00	21.58 -0.96 0.00	24.78 -0.99 -0.51	23.97 -0.85 -0.15	24.23 -0.64 -1.76	20.57 -0.61 -0.42	20.62 -0.83 0.00	20.44 -0.78 0.00	20.42 -0.52 0.00	17.71 -0.43 0.00
GLENDALE_27_KV_LOAD 356172	18.66 0.90 0.00	19.19 0.83 0.00	19.41 0.76 0.00	14.98 0.56 0.00	14.38 0.52 0.00	16.57 0.64 0.00	20.97 0.96 0.00	23.48 1.16 0.00	24.56 1.33 0.00	30.25 1.55 0.00	31.30 1.63 0.00	26.18 1.53 0.00	23.04 1.43 0.00	24.77 1.52 0.00	22.32 1.40 0.00	24.05 1.51 0.00	27.11 1.85 0.00	26.69 2.01 0.00	24.75 1.64 0.00	22.13 1.37 0.00	22.81 1.36 0.00	22.58 1.36 0.00	22.09 1.16 0.00	19.09 0.94 0.00
GLENWOOD_IC_1_G5 23712	18.75 0.99 0.00	19.26 0.90 0.00	19.48 0.83 0.00	15.04 0.62 0.00	14.45 0.59 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.70 1.38 0.00	24.77 1.54 0.00	30.47 1.77 0.00	31.54 1.88 0.00	26.43 1.78 0.00	23.33 1.73 0.00	25.09 1.84 0.00	22.55 1.63 0.00	24.30 1.77 0.00	27.47 2.21 0.00	26.91 2.24 0.00	24.96 1.85 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.81 1.59 0.00	22.35 1.42 0.00	19.41 1.17 -0.09
GLENWOOD_IC_2_G1 23688	18.71 0.94 0.00	19.22 0.86 0.00	19.44 0.79 0.00	15.00 0.59 0.00	14.42 0.56 0.00	16.64 0.71 0.00	21.05 1.04 0.00	23.64 1.32 0.00	24.69 1.46 0.00	30.38 1.68 0.00	31.44 1.78 0.00	26.35 1.70 0.00	23.25 1.64 0.00	25.00 1.75 0.00	22.48 1.56 0.00	24.23 1.69 0.00	27.37 2.11 0.00	26.89 2.21 0.00	24.94 1.83 0.00	22.31 1.56 0.00	22.98 1.53 0.00	22.74 1.52 0.00	22.29 1.36 0.00	19.36 1.12 -0.09
GLENWOOD_IC_3_G1 23689	18.71 0.94 0.00	19.22 0.86 0.00	19.44 0.79 0.00	15.00 0.59 0.00	14.42 0.56 0.00	16.64 0.71 0.00	21.05 1.04 0.00	23.64 1.32 0.00	24.69 1.46 0.00	30.38 1.68 0.00	31.44 1.78 0.00	26.35 1.70 0.00	23.25 1.64 0.00	25.00 1.75 0.00	22.48 1.56 0.00	24.23 1.69 0.00	27.37 2.11 0.00	26.89 2.21 0.00	24.94 1.83 0.00	22.31 1.56 0.00	22.98 1.53 0.00	22.74 1.52 0.00	22.29 1.36 0.00	19.36 1.12 -0.09
GLENWOOD___4 23550	18.75 0.99 0.00	19.26 0.90 0.00	19.48 0.83 0.00	15.04 0.62 0.00	14.45 0.59 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.70 1.38 0.00	24.77 1.54 0.00	30.47 1.77 0.00	31.54 1.88 0.00	26.43 1.78 0.00	23.33 1.73 0.00	25.09 1.84 0.00	22.55 1.63 0.00	24.30 1.77 0.00	27.47 2.21 0.00	26.95 2.27 0.00	24.99 1.88 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.81 1.59 0.00	22.35 1.42 0.00	19.41 1.17 -0.09
GLENWOOD___5 23614	18.75 0.99 0.00	19.26 0.90 0.00	19.48 0.83 0.00	15.04 0.62 0.00	14.45 0.59 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.70 1.38 0.00	24.77 1.54 0.00	30.47 1.77 0.00	31.54 1.88 0.00	26.43 1.78 0.00	23.33 1.73 0.00	25.09 1.84 0.00	22.55 1.63 0.00	24.30 1.77 0.00	27.47 2.21 0.00	26.95 2.27 0.00	24.99 1.88 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.81 1.59 0.00	22.35 1.42 0.00	19.41 1.17 -0.09
GLOBAL GREEN_PORT_GT1 23814	19.20 1.44 0.00	19.73 1.37 0.00	19.96 1.31 0.00	15.43 1.02 0.00	14.86 1.00 0.00	17.15 1.22 0.00	21.73 1.71 0.00	24.45 2.13 0.00	25.58 2.35 0.00	31.04 2.33 0.00	32.06 2.40 0.00	26.81 2.16 0.00	23.75 2.15 0.00	25.56 2.31 0.00	22.99 2.07 0.00	24.69 2.15 0.00	28.06 2.80 0.00	27.69 3.01 0.00	25.64 2.53 0.00	22.87 2.11 0.00	23.49 2.04 0.00	23.31 2.09 0.00	22.88 1.94 0.00	20.01 1.77 -0.09
GLOBE___DSASP 323697	16.78 -0.98 0.00	17.52 -0.85 0.00	17.71 -0.94 0.00	13.67 -0.75 0.00	13.19 -0.67 0.00	15.22 -0.70 0.00	19.07 -0.94 0.00	21.00 -1.31 0.00	21.88 -1.35 0.00	26.77 -1.93 0.00	27.42 -2.25 0.00	22.61 -2.04 0.00	19.61 -1.99 0.00	21.09 -2.16 0.00	18.82 -2.10 0.00	20.21 -2.33 0.00	22.23 -3.03 0.00	21.57 -3.11 0.00	20.14 -2.97 0.00	18.39 -2.37 0.00	19.10 -2.35 0.00	18.78 -2.44 0.00	18.70 -2.24 0.00	16.18 -1.96 0.00
GOETHSLN___LBMP 323567	18.44 0.68 0.00	18.97 0.61 0.00	19.19 0.54 0.00	14.82 0.40 0.00	14.22 0.37 0.00	16.38 0.46 0.00	20.70 0.69 0.00	23.19 0.87 0.00	24.25 1.01 0.00	29.89 1.18 0.00	30.89 1.23 0.00	25.85 1.20 0.00	22.76 1.16 0.00	24.49 1.24 0.00	22.07 1.15 0.00	23.55 1.25 0.24	26.47 1.55 0.34	26.39 1.71 0.00	24.49 1.38 0.00	21.89 1.13 0.00	22.58 1.13 0.00	22.33 1.11 0.00	21.84 0.91 0.00	18.88 0.74 0.00
GOLAH___69_KV_TB 1_2 80279	17.48 -0.28 0.00	18.17 -0.19 0.00	18.38 -0.27 0.00	14.19 -0.23 0.00	13.68 -0.17 0.00	15.82 -0.11 0.00	19.93 -0.09 0.00	22.12 -0.20 0.00	23.07 -0.17 0.00	28.30 -0.40 0.00	29.03 -0.63 0.00	23.99 -0.66 0.00	20.90 -0.71 0.00	22.50 -0.75 0.00	20.17 -0.75 0.00	21.72 -0.82 0.00	24.18 -1.08 0.00	23.60 -1.08 0.00	22.04 -1.07 0.00	19.96 -0.80 0.00	20.67 -0.79 0.00	20.33 -0.89 0.00	20.12 -0.81 0.00	17.37 -0.78 0.00
GOODYEAR_LAKE_HYD 323669	18.39 0.63 0.00	19.02 0.65 0.00	19.30 0.65 0.00	14.87 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.77 0.76 0.00	23.17 0.85 0.00	24.11 0.87 0.00	29.72 1.02 0.00	30.60 0.94 0.00	25.44 0.79 0.00	22.33 0.72 0.00	24.03 0.78 0.00	21.63 0.71 0.00	23.27 0.73 0.00	26.18 0.91 0.00	25.69 1.01 0.00	24.01 0.90 0.00	21.60 0.84 0.00	22.30 0.85 0.00	21.99 0.77 0.00	21.63 0.70 0.00	18.70 0.56 0.00



GOUDEY___1 345031	17.78 0.02 0.00	18.40 0.04 0.00	18.62 -0.04 0.00	14.35 -0.07 0.00	13.79 -0.06 0.00	15.90 -0.03 0.00	20.00 -0.01 0.00	22.32 0.00 0.00	23.26 0.02 0.00	28.68 -0.03 0.00	29.44 -0.22 0.00	24.51 -0.13 0.00	21.46 -0.15 0.00	23.12 -0.13 0.00	20.85 -0.07 0.00	22.40 -0.13 0.00	25.12 -0.15 0.00	24.70 0.02 0.00	23.02 -0.09 0.00	20.66 -0.10 0.00	21.36 -0.09 0.00	21.08 -0.14 0.00	20.80 -0.14 0.00	17.96 -0.18 0.00
GOUDEY___7 23579	17.79 0.03 0.00	18.42 0.05 0.00	18.63 -0.02 0.00	14.36 -0.05 0.00	13.80 -0.05 0.00	15.91 -0.01 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.28 0.05 0.00	28.71 0.00 0.00	29.47 -0.19 0.00	24.54 -0.11 0.00	21.48 -0.12 0.00	23.14 -0.10 0.00	20.87 -0.05 0.00	22.42 -0.12 0.00	25.14 -0.12 0.00	24.72 0.05 0.00	23.05 -0.06 0.00	20.68 -0.07 0.00	21.38 -0.07 0.00	21.10 -0.12 0.00	20.82 -0.12 0.00	17.97 -0.17 0.00
GOUDEY___8 23580	17.78 0.02 0.00	18.40 0.04 0.00	18.62 -0.04 0.00	14.35 -0.07 0.00	13.79 -0.06 0.00	15.90 -0.03 0.00	20.00 -0.01 0.00	22.32 0.00 0.00	23.26 0.02 0.00	28.68 -0.03 0.00	29.44 -0.22 0.00	24.51 -0.13 0.00	21.46 -0.15 0.00	23.12 -0.13 0.00	20.85 -0.07 0.00	22.40 -0.13 0.00	25.12 -0.15 0.00	24.70 0.02 0.00	23.02 -0.09 0.00	20.66 -0.10 0.00	21.36 -0.09 0.00	21.08 -0.14 0.00	20.80 -0.14 0.00	17.96 -0.18 0.00
GOWANUS_GT1_1 24077	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_2 24078	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_3 24079	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_4 24080	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_5 24084	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_6 24111	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_7 24112	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT1_8 24113	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.58 1.34 -0.01	30.27 1.56 0.00	31.28 1.62 0.00	26.22 1.57 0.00	23.05 1.45 0.00	24.82 1.57 0.00	22.35 1.43 0.00	24.10 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.19 1.43 0.00	22.87 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT2_1 24114	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_2 24115	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_3 24116	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_4 24117	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00



GOWANUS_GT2_5 24118	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_6 24119	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_7 24120	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT2_8 24121	18.61 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.29 0.97 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.46 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT3_1 24122	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_2 24123	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_3 24124	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_4 24125	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_5 24126	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_6 24127	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_7 24128	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT3_8 24129	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.26 1.55 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.81 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
GOWANUS_GT4_1 24130	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_2 24131	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_3 24132	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00



GOWANUS_GT4_4 24133	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_5 24134	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_6 24135	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_7 24136	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GOWANUS_GT4_8 24137	18.62 0.85 0.00	19.15 0.79 0.00	19.36 0.71 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.55 0.63 0.00	20.89 0.87 0.00	23.28 0.96 0.00	24.34 1.11 0.00	30.00 1.29 0.00	31.13 1.47 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GREENBSH_115KV_TB3 55895	17.82 0.06 0.00	18.31 -0.05 0.00	18.57 -0.08 0.00	14.42 0.00 0.00	13.86 0.01 0.00	15.94 0.01 0.00	19.99 -0.02 0.00	22.40 0.08 0.00	23.31 0.07 0.00	28.83 0.12 0.00	29.86 0.19 0.00	24.87 0.22 0.00	21.89 0.29 0.00	23.61 0.36 0.00	21.28 0.36 0.00	22.96 0.42 0.00	25.80 0.53 0.00	25.27 0.59 0.00	23.49 0.38 0.00	20.99 0.23 0.00	21.71 0.25 0.00	21.47 0.25 0.00	21.10 0.17 0.00	18.27 0.13 0.00
GREENDGE_115KV_TB5 80291	17.82 0.05 0.00	18.47 0.10 0.00	18.62 -0.03 0.00	14.32 -0.09 0.00	13.74 -0.12 0.00	15.87 -0.05 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.31 0.08 0.00	28.64 -0.07 0.00	29.33 -0.34 0.00	24.33 -0.32 0.00	21.23 -0.38 0.00	22.85 -0.39 0.00	20.57 -0.35 0.00	22.12 -0.42 0.00	24.64 -0.62 0.00	24.15 -0.53 0.00	22.57 -0.54 0.00	20.45 -0.30 0.00	21.13 -0.32 0.00	20.76 -0.46 0.00	20.48 -0.46 0.00	17.74 -0.40 0.00
GREENIDGE___3 23582	17.82 0.05 0.00	18.47 0.10 0.00	18.62 -0.03 0.00	14.32 -0.09 0.00	13.74 -0.12 0.00	15.87 -0.05 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.31 0.08 0.00	28.64 -0.07 0.00	29.33 -0.34 0.00	24.33 -0.32 0.00	21.23 -0.38 0.00	22.85 -0.39 0.00	20.57 -0.35 0.00	22.12 -0.42 0.00	24.64 -0.62 0.00	24.15 -0.53 0.00	22.57 -0.54 0.00	20.45 -0.30 0.00	21.13 -0.32 0.00	20.76 -0.46 0.00	20.48 -0.46 0.00	17.74 -0.40 0.00
GREENIDGE___4 23583	17.82 0.05 0.00	18.47 0.10 0.00	18.62 -0.04 0.00	14.32 -0.09 0.00	13.74 -0.12 0.00	15.88 -0.05 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.31 0.07 0.00	28.64 -0.07 0.00	29.33 -0.34 0.00	24.33 -0.32 0.00	21.23 -0.37 0.00	22.85 -0.39 0.00	20.57 -0.35 0.00	22.13 -0.41 0.00	24.64 -0.62 0.00	24.15 -0.53 0.00	22.57 -0.54 0.00	20.45 -0.30 0.00	21.13 -0.32 0.00	20.77 -0.46 0.00	20.48 -0.46 0.00	17.74 -0.40 0.00
GREENLWN_69_KV_BK 3 55738	18.68 0.91 0.00	19.17 0.81 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.53 0.00	16.60 0.68 0.00	20.99 0.98 0.00	23.55 1.24 0.00	24.58 1.35 0.00	30.26 1.56 0.00	31.36 1.69 0.00	26.29 1.64 0.00	23.21 1.61 0.00	24.95 1.70 0.00	22.42 1.51 0.00	24.14 1.60 0.00	27.27 2.01 0.00	26.76 2.08 0.00	24.79 1.68 0.00	22.16 1.40 0.00	22.79 1.34 0.00	22.60 1.38 0.00	22.20 1.26 0.00	19.37 1.14 -0.09
GREENWD_138_KV_38B11_REV_LBMP_J 345004	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
GRISSOM___SOLAR 323813	19.47 1.71 0.00	20.20 1.84 0.00	20.48 1.82 0.00	15.81 1.39 0.00	15.21 1.36 0.00	17.58 1.65 0.00	22.40 2.38 0.00	25.05 2.73 0.00	25.97 2.73 0.00	31.97 3.26 0.00	32.74 3.08 0.00	26.98 2.33 0.00	23.77 2.17 0.00	25.66 2.41 0.00	23.12 2.21 0.00	24.94 2.40 0.00	28.10 2.83 0.00	27.63 2.96 0.00	25.90 2.79 0.00	23.32 2.56 0.00	24.06 2.60 0.00	23.63 2.41 0.00	23.23 2.29 0.00	20.00 1.86 0.00
GROVEVILLE___HYD 323602	18.53 0.77 0.00	19.08 0.72 0.00	19.32 0.66 0.00	14.91 0.50 0.00	14.32 0.46 0.00	16.50 0.57 0.00	20.85 0.84 0.00	23.39 1.07 0.00	24.42 1.18 0.00	30.12 1.42 0.00	31.15 1.48 0.00	26.04 1.39 0.00	22.95 1.35 0.00	24.72 1.47 0.00	22.26 1.34 0.00	24.00 1.46 0.00	27.06 1.80 0.00	26.62 1.94 0.00	24.72 1.61 0.00	22.08 1.33 0.00	22.79 1.34 0.00	22.53 1.31 0.00	22.06 1.13 0.00	19.04 0.90 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
HAMLTNNY_34_KV_TB 80303	17.99 0.23 0.00	18.61 0.24 0.00	18.84 0.19 0.00	14.55 0.14 0.00	13.97 0.11 0.00	16.11 0.19 0.00	20.35 0.34 0.00	22.65 0.33 0.00	23.62 0.38 0.00	28.76 0.06 0.00	29.27 -0.39 0.00	24.33 -0.32 0.00	21.35 -0.26 0.00	22.99 -0.25 0.00	20.68 -0.24 0.00	22.29 -0.25 0.00	24.98 -0.28 0.00	24.43 -0.25 0.00	22.84 -0.27 0.00	20.55 -0.21 0.00	21.21 -0.24 0.00	20.95 -0.27 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00



HAMPSHIRE___PAPER_HYD 323593	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.36 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.65 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.25 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00
HARDSCRABBLE_WT_PWR 323673	17.46 -0.30 0.00	17.98 -0.38 0.00	18.10 -0.56 0.00	14.03 -0.38 0.00	13.42 -0.44 0.00	15.44 -0.49 0.00	19.73 -0.28 0.00	22.15 -0.17 0.00	22.96 -0.28 0.00	28.17 -0.54 0.00	29.04 -0.63 0.00	24.27 -0.38 0.00	21.41 -0.20 0.00	23.10 -0.15 0.00	20.87 -0.05 0.00	22.53 0.00 0.00	25.35 0.09 0.00	24.93 0.25 0.00	23.17 0.07 0.00	20.71 -0.05 0.00	21.62 0.16 0.00	21.35 0.13 0.00	20.87 -0.06 0.00	18.01 -0.13 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	18.44 0.68 0.00	18.98 0.62 0.00	19.21 0.56 0.00	14.83 0.42 0.00	14.24 0.39 0.00	16.42 0.50 0.00	20.75 0.74 0.00	23.25 0.93 0.00	24.28 1.05 0.00	29.97 1.26 0.00	30.96 1.30 0.00	25.87 1.22 0.00	22.77 1.17 0.00	24.52 1.28 0.00	22.10 1.18 0.00	23.81 1.27 0.00	26.89 1.62 0.00	26.45 1.77 0.00	24.57 1.46 0.00	21.95 1.19 0.00	22.64 1.20 0.00	22.39 1.17 0.00	21.93 0.99 0.00	18.92 0.78 0.00
HARSNRAD_115KV_TB1 81005	17.08 -0.68 0.00	17.83 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.46 0.00	15.48 -0.45 0.00	19.42 -0.59 0.00	21.43 -0.89 0.00	22.34 -0.89 0.00	27.35 -1.36 0.00	27.98 -1.68 0.00	23.09 -1.56 0.00	20.03 -1.58 0.00	21.54 -1.71 0.00	19.24 -1.68 0.00	20.71 -1.83 0.00	22.91 -2.35 0.00	22.28 -2.39 0.00	20.79 -2.32 0.00	18.94 -1.82 0.00	19.67 -1.78 0.00	19.32 -1.90 0.00	19.21 -1.73 0.00	16.58 -1.56 0.00
HARZA MOOSE___RIVER 24016	17.66 -0.10 0.00	18.43 0.07 0.00	18.76 0.11 0.00	14.44 0.02 0.00	13.97 0.12 0.00	16.12 0.20 0.00	20.22 0.21 0.00	22.56 0.24 0.00	23.41 0.18 0.00	28.96 0.25 0.00	29.92 0.25 0.00	24.67 0.02 0.00	21.53 -0.07 0.00	23.20 -0.05 0.00	20.83 -0.09 0.00	22.33 -0.21 0.00	25.43 -0.21 -0.38	24.69 -0.09 -0.11	24.44 0.01 -1.31	21.05 -0.03 -0.31	21.26 -0.20 0.00	21.05 -0.18 0.00	20.98 0.04 0.00	18.20 0.06 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	17.55 -0.21 0.00	18.15 -0.21 0.00	18.40 -0.25 0.00	14.20 -0.21 0.00	13.67 -0.19 0.00	15.73 -0.19 0.00	19.77 -0.24 0.00	22.01 -0.31 0.00	22.91 -0.32 0.00	28.20 -0.51 0.00	29.00 -0.67 0.00	24.10 -0.55 0.00	21.14 -0.47 0.00	22.75 -0.49 0.00	20.50 -0.42 0.00	22.06 -0.48 0.00	24.72 -0.54 0.00	24.19 -0.49 0.00	22.59 -0.52 0.00	20.32 -0.44 0.00	21.02 -0.43 0.00	20.79 -0.43 0.00	20.54 -0.39 0.00	17.77 -0.36 0.00
HELLGATE_13_KV_LD 55870	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.70 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.51 0.58 0.00	20.89 0.87 0.00	23.37 1.05 0.00	24.44 1.21 0.00	30.09 1.39 0.00	31.14 1.47 0.00	26.05 1.40 0.00	22.93 1.32 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.55 1.87 0.00	24.62 1.51 0.00	22.02 1.26 0.00	22.70 1.25 0.00	22.48 1.26 0.00	22.00 1.06 0.00	19.01 0.87 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.70 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.51 0.58 0.00	20.89 0.87 0.00	23.37 1.05 0.00	24.44 1.21 0.00	30.09 1.39 0.00	31.14 1.47 0.00	26.05 1.40 0.00	22.93 1.32 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.55 1.87 0.00	24.62 1.51 0.00	22.02 1.26 0.00	22.70 1.25 0.00	22.48 1.26 0.00	22.00 1.06 0.00	19.01 0.87 0.00
HEMPSTEAD___ 23647	18.66 0.90 0.00	19.17 0.80 0.00	19.39 0.74 0.00	14.96 0.55 0.00	14.38 0.52 0.00	16.60 0.67 0.00	21.01 1.00 0.00	23.59 1.27 0.00	24.65 1.42 0.00	30.31 1.60 0.00	31.38 1.72 0.00	26.30 1.65 0.00	23.22 1.61 0.00	24.97 1.72 0.00	22.44 1.52 0.00	24.18 1.64 0.00	27.35 2.09 0.00	26.87 2.19 0.00	24.91 1.80 0.00	22.27 1.52 0.00	22.93 1.48 0.00	22.70 1.48 0.00	22.25 1.32 0.00	19.33 1.10 -0.09
HEWLETT__69_KV_BK3 55828	18.78 1.02 0.00	19.29 0.93 0.00	19.51 0.86 0.00	15.06 0.64 0.00	14.46 0.61 0.00	16.69 0.77 0.00	21.13 1.12 0.00	23.73 1.41 0.00	24.80 1.57 0.00	30.50 1.79 0.00	31.57 1.90 0.00	26.46 1.81 0.00	23.34 1.74 0.00	25.11 1.86 0.00	22.57 1.65 0.00	24.32 1.78 0.00	27.40 2.13 0.00	26.94 2.26 0.00	24.99 1.88 0.00	22.44 1.68 0.00	23.10 1.65 0.00	22.86 1.64 0.00	22.41 1.47 0.00	19.43 1.20 -0.09
HICKLING___1 23621	17.76 0.00 0.00	18.45 0.09 0.00	18.57 -0.08 0.00	14.26 -0.15 0.00	13.66 -0.19 0.00	15.75 -0.17 0.00	19.80 -0.21 0.00	22.12 -0.20 0.00	23.07 -0.16 0.00	28.44 -0.27 0.00	29.06 -0.60 0.00	24.18 -0.46 0.00	21.06 -0.55 0.00	22.68 -0.56 0.00	20.45 -0.47 0.00	21.94 -0.59 0.00	24.53 -0.73 0.00	24.21 -0.47 0.00	22.54 -0.57 0.00	20.25 -0.51 0.00	20.96 -0.50 0.00	20.60 -0.61 0.00	20.32 -0.61 0.00	17.51 -0.63 0.00
HICKLING___2 23622	17.76 0.00 0.00	18.45 0.09 0.00	18.57 -0.08 0.00	14.26 -0.15 0.00	13.66 -0.19 0.00	15.75 -0.17 0.00	19.80 -0.21 0.00	22.12 -0.20 0.00	23.07 -0.16 0.00	28.44 -0.27 0.00	29.06 -0.60 0.00	24.18 -0.46 0.00	21.06 -0.55 0.00	22.68 -0.56 0.00	20.45 -0.47 0.00	21.94 -0.59 0.00	24.53 -0.73 0.00	24.21 -0.47 0.00	22.54 -0.57 0.00	20.25 -0.51 0.00	20.96 -0.50 0.00	20.60 -0.61 0.00	20.32 -0.61 0.00	17.51 -0.63 0.00
HIGH FALLS___HY 23754	18.64 0.88 0.00	19.22 0.86 0.00	19.46 0.81 0.00	15.00 0.59 0.00	14.40 0.54 0.00	16.60 0.68 0.00	21.01 1.00 0.00	23.56 1.24 0.00	24.60 1.37 0.00	30.36 1.65 0.00	31.32 1.65 0.00	26.20 1.55 0.00	23.08 1.48 0.00	24.86 1.61 0.00	22.37 1.45 0.00	24.04 1.51 0.00	27.22 1.95 0.00	26.81 2.13 0.00	24.92 1.81 0.00	22.27 1.51 0.00	22.97 1.51 0.00	22.70 1.48 0.00	22.23 1.29 0.00	19.16 1.02 0.00
HILLBURN___GT 23639	18.42 0.65 0.00	18.96 0.60 0.00	19.19 0.54 0.00	14.81 0.40 0.00	14.22 0.36 0.00	16.41 0.48 0.00	20.73 0.72 0.00	23.23 0.91 0.00	24.26 1.03 0.00	29.94 1.23 0.00	30.92 1.25 0.00	25.83 1.19 0.00	22.74 1.14 0.00	24.48 1.23 0.00	22.05 1.13 0.00	23.77 1.23 0.00	26.84 1.58 0.00	26.41 1.73 0.00	24.53 1.42 0.00	21.91 1.15 0.00	22.62 1.17 0.00	22.36 1.14 0.00	21.90 0.96 0.00	18.91 0.76 0.00
HILLSIDE_115KV_TB1 80332	17.52 -0.24 0.00	18.18 -0.18 0.00	18.32 -0.34 0.00	14.10 -0.32 0.00	13.52 -0.34 0.00	15.60 -0.32 0.00	19.59 -0.42 0.00	21.92 -0.40 0.00	22.86 -0.38 0.00	28.17 -0.53 0.00	28.77 -0.90 0.00	23.97 -0.68 0.00	20.92 -0.69 0.00	22.56 -0.69 0.00	20.37 -0.55 0.00	21.83 -0.71 0.00	24.41 -0.86 0.00	24.10 -0.58 0.00	22.43 -0.68 0.00	20.12 -0.64 0.00	20.82 -0.63 0.00	20.51 -0.71 0.00	20.26 -0.68 0.00	17.47 -0.67 0.00



HISHELDN_WT_PWR 323625	17.39 -0.37 0.00	18.13 -0.24 0.00	18.23 -0.42 0.00	14.00 -0.41 0.00	13.42 -0.43 0.00	15.45 -0.47 0.00	19.40 -0.62 0.00	21.47 -0.85 0.00	22.38 -0.85 0.00	27.41 -1.29 0.00	28.07 -1.60 0.00	23.19 -1.46 0.00	20.11 -1.50 0.00	21.58 -1.66 0.00	19.32 -1.60 0.00	20.81 -1.73 0.00	23.08 -2.18 0.00	22.57 -2.11 0.00	21.03 -2.08 0.00	19.09 -1.67 0.00	19.82 -1.63 0.00	19.43 -1.79 0.00	19.22 -1.72 0.00	16.55 -1.59 0.00
HOLTSVILLE_IC_1 23690	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
HOLTSVILLE_IC_10 23699	18.90 1.14 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.82 0.89 0.00	21.30 1.28 0.00	23.94 1.62 0.00	25.05 1.82 0.00	30.60 1.89 0.00	31.59 1.93 0.00	26.48 1.83 0.00	23.43 1.82 0.00	25.18 1.94 0.00	22.66 1.74 0.00	24.34 1.81 0.00	27.60 2.33 0.00	27.17 2.49 0.00	25.16 2.06 0.00	22.47 1.71 0.00	23.09 1.64 0.00	22.92 1.70 0.00	22.49 1.56 0.00	19.64 1.40 -0.09
HOLTSVILLE_IC_2 23691	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
HOLTSVILLE_IC_3 23692	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
HOLTSVILLE_IC_4 23693	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
HOLTSVILLE_IC_5 23694	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
HOLTSVILLE_IC_6 23695	18.90 1.14 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.82 0.89 0.00	21.30 1.28 0.00	23.94 1.62 0.00	25.05 1.82 0.00	30.60 1.89 0.00	31.59 1.93 0.00	26.48 1.83 0.00	23.43 1.82 0.00	25.18 1.94 0.00	22.66 1.74 0.00	24.34 1.81 0.00	27.60 2.33 0.00	27.17 2.49 0.00	25.16 2.06 0.00	22.47 1.71 0.00	23.09 1.64 0.00	22.92 1.70 0.00	22.49 1.56 0.00	19.64 1.40 -0.09
HOLTSVILLE_IC_7 23696	18.90 1.14 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.82 0.89 0.00	21.30 1.28 0.00	23.94 1.62 0.00	25.05 1.82 0.00	30.60 1.89 0.00	31.59 1.93 0.00	26.48 1.83 0.00	23.43 1.82 0.00	25.18 1.94 0.00	22.66 1.74 0.00	24.34 1.81 0.00	27.60 2.33 0.00	27.17 2.49 0.00	25.16 2.06 0.00	22.47 1.71 0.00	23.09 1.64 0.00	22.92 1.70 0.00	22.49 1.56 0.00	19.64 1.40 -0.09
HOLTSVILLE_IC_8 23697	18.90 1.14 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.82 0.89 0.00	21.30 1.28 0.00	23.94 1.62 0.00	25.05 1.82 0.00	30.60 1.89 0.00	31.59 1.93 0.00	26.48 1.83 0.00	23.43 1.82 0.00	25.18 1.94 0.00	22.66 1.74 0.00	24.34 1.81 0.00	27.60 2.33 0.00	27.17 2.49 0.00	25.16 2.06 0.00	22.47 1.71 0.00	23.09 1.64 0.00	22.92 1.70 0.00	22.49 1.56 0.00	19.64 1.40 -0.09
HOLTSVILLE_IC_9 23698	18.90 1.14 0.00	19.40 1.04 0.00	19.63 0.98 0.00	15.15 0.73 0.00	14.57 0.71 0.00	16.82 0.89 0.00	21.30 1.28 0.00	23.94 1.62 0.00	25.05 1.82 0.00	30.60 1.89 0.00	31.59 1.93 0.00	26.48 1.83 0.00	23.43 1.82 0.00	25.18 1.94 0.00	22.66 1.74 0.00	24.34 1.81 0.00	27.60 2.33 0.00	27.17 2.49 0.00	25.16 2.06 0.00	22.47 1.71 0.00	23.09 1.64 0.00	22.92 1.70 0.00	22.49 1.56 0.00	19.64 1.40 -0.09
HOMER_HL_115KV_TB2 355744	18.11 0.34 0.00	18.84 0.48 0.00	18.98 0.33 0.00	14.60 0.19 0.00	14.04 0.18 0.00	16.26 0.34 0.00	20.47 0.46 0.00	22.80 0.48 0.00	23.80 0.57 0.00	29.12 0.41 0.00	29.68 0.02 0.00	24.47 -0.18 0.00	21.27 -0.33 0.00	22.95 -0.30 0.00	20.62 -0.30 0.00	22.15 -0.38 0.00	24.65 -0.62 0.00	24.19 -0.49 0.00	22.56 -0.55 0.00	20.27 -0.49 0.00	21.08 -0.38 0.00	20.80 -0.42 0.00	20.70 -0.24 0.00	17.88 -0.26 0.00
HOWARD_WT_PWR 323690	17.79 0.03 0.00	18.57 0.21 0.00	18.54 -0.11 0.00	14.06 -0.36 0.00	13.19 -0.67 0.00	15.13 -0.80 0.00	18.93 -1.08 0.00	20.99 -1.33 0.00	22.07 -1.17 0.00	27.14 -1.56 0.00	27.69 -1.97 0.00	23.05 -1.60 0.00	19.86 -1.74 0.00	21.30 -1.95 0.00	19.05 -1.87 0.00	20.48 -2.06 0.00	22.83 -2.43 0.00	22.60 -2.08 0.00	20.97 -2.13 0.00	18.98 -1.78 0.00	19.68 -1.77 0.00	19.19 -2.03 0.00	18.85 -2.09 0.00	16.30 -1.84 0.00
HQ_GEN_CEDARS 23644	18.04 0.27 0.00	18.72 0.36 0.00	19.11 0.45 0.00	14.78 0.37 0.00	14.21 0.35 0.00	16.25 0.33 0.00	20.38 0.37 0.00	22.70 0.38 0.00	23.60 0.36 0.00	29.26 0.55 0.00	30.32 0.66 0.00	25.09 0.44 0.00	21.83 0.23 0.00	23.42 0.18 0.00	21.01 0.09 0.00	22.62 0.09 0.00	25.79 -0.04 -0.56	24.75 -0.09 -0.16	25.13 0.09 -1.94	21.40 0.18 -0.46	21.67 0.22 0.00	21.46 0.24 0.00	21.27 0.33 0.00	18.50 0.36 0.00
HQ_GEN_CEDARS_PROXY 323590	18.03 0.27 0.00	18.72 0.36 0.00	19.11 0.45 0.00	14.78 0.37 0.00	14.21 0.35 0.00	16.25 0.33 0.00	20.38 0.36 0.00	22.70 0.38 0.00	23.59 0.36 0.00	29.26 0.55 0.00	30.32 0.66 0.00	25.09 0.44 0.00	21.83 0.23 0.00	23.42 0.18 0.00	21.01 0.09 0.00	22.62 0.09 0.00	26.08 -0.04 -0.85	24.75 -0.09 -0.16	25.27 0.09 -2.08	21.40 0.18 -0.46	21.67 0.22 0.00	21.51 0.24 -0.05	21.27 0.33 0.00	18.51 0.36 0.00



HQ_GEN_IMPORT 323601	17.85 0.09 0.00	18.49 0.12 0.00	18.82 0.17 0.00	14.56 0.14 0.00	13.99 0.13 0.00	16.05 0.13 0.00	20.16 0.15 0.00	22.46 0.14 0.00	23.37 0.14 0.00	28.93 0.23 0.00	29.94 0.28 0.00	24.81 0.16 0.00	21.67 0.07 0.00	23.28 0.03 0.00	20.92 0.00 0.00	22.53 0.00 0.00	25.22 -0.06 -0.02	24.52 -0.16 0.00	23.10 0.00 0.00	20.81 0.05 0.00	21.53 0.07 0.00	21.31 0.09 0.00	21.06 0.12 0.00	18.28 0.14 0.00
HQ_GEN_WHEEL 23651	17.85 0.09 0.00	18.49 0.12 0.00	18.82 0.17 0.00	14.56 0.14 0.00	13.99 0.13 0.00	16.05 0.13 0.00	20.16 0.15 0.00	22.46 0.14 0.00	23.37 0.14 0.00	28.93 0.23 0.00	29.94 0.28 0.00	24.81 0.16 0.00	21.67 0.07 0.00	23.28 0.03 0.00	20.92 0.00 0.00	22.53 0.00 0.00	25.22 -0.06 -0.02	24.52 -0.16 0.00	23.10 0.00 0.00	20.81 0.05 0.00	21.53 0.07 0.00	21.31 0.09 0.00	21.06 0.12 0.00	18.28 0.14 0.00
HUDSON AVE_GT_3 23810	18.57 0.81 0.00	19.10 0.74 0.00	19.32 0.67 0.00	14.91 0.50 0.00	14.31 0.46 0.00	16.49 0.57 0.00	20.84 0.83 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.10 1.39 0.00	31.13 1.47 0.00	26.06 1.41 0.00	22.96 1.36 0.00	24.71 1.46 0.00	22.25 1.33 0.00	23.98 1.45 0.00	27.03 1.77 0.00	26.59 1.92 0.00	24.68 1.57 0.00	22.05 1.30 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.01 1.07 0.00	19.02 0.88 0.00
HUDSON AVE_GT_4 23540	18.57 0.81 0.00	19.10 0.74 0.00	19.32 0.67 0.00	14.91 0.50 0.00	14.31 0.46 0.00	16.49 0.57 0.00	20.84 0.83 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.10 1.39 0.00	31.13 1.47 0.00	26.06 1.41 0.00	22.96 1.36 0.00	24.71 1.46 0.00	22.25 1.33 0.00	23.98 1.45 0.00	27.03 1.77 0.00	26.59 1.92 0.00	24.68 1.57 0.00	22.05 1.30 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.01 1.07 0.00	19.02 0.88 0.00
HUDSON AVE_GT_5 23657	18.57 0.81 0.00	19.10 0.74 0.00	19.32 0.67 0.00	14.91 0.50 0.00	14.31 0.46 0.00	16.49 0.57 0.00	20.84 0.83 0.00	23.36 1.04 0.00	24.42 1.19 0.00	30.10 1.39 0.00	31.13 1.47 0.00	26.06 1.41 0.00	22.96 1.36 0.00	24.71 1.46 0.00	22.25 1.33 0.00	23.98 1.45 0.00	27.03 1.77 0.00	26.59 1.92 0.00	24.68 1.57 0.00	22.05 1.30 0.00	22.75 1.29 0.00	22.49 1.27 0.00	22.01 1.07 0.00	19.02 0.88 0.00
HUDSON_AVE_10 24168	18.51 0.75 0.00	19.04 0.68 0.00	19.26 0.61 0.00	14.86 0.45 0.00	14.27 0.41 0.00	16.44 0.51 0.00	20.77 0.76 0.00	23.28 0.97 0.00	24.35 1.12 0.00	30.03 1.32 0.00	31.05 1.39 0.00	25.98 1.33 0.00	22.89 1.29 0.00	24.63 1.39 0.00	22.21 1.29 0.00	23.91 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.63 1.52 0.00	22.02 1.26 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.95 1.01 0.00	18.97 0.83 0.00
HUDSON___115KV_TB 4 355613	18.13 0.37 0.00	18.63 0.27 0.00	18.90 0.25 0.00	14.67 0.26 0.00	14.11 0.25 0.00	16.24 0.31 0.00	20.42 0.41 0.00	22.91 0.59 0.00	23.86 0.62 0.00	29.49 0.78 0.00	30.53 0.87 0.00	25.41 0.76 0.00	22.36 0.75 0.00	24.13 0.88 0.00	21.76 0.84 0.00	23.51 0.98 0.00	26.42 1.15 0.00	25.90 1.22 0.00	24.09 0.98 0.00	21.53 0.77 0.00	22.25 0.80 0.00	21.97 0.75 0.00	21.57 0.63 0.00	18.65 0.51 0.00
HUNTER MOUNT___DRP 323613	18.21 0.44 0.00	18.71 0.35 0.00	18.99 0.34 0.00	14.75 0.33 0.00	14.19 0.33 0.00	16.33 0.41 0.00	20.55 0.54 0.00	23.07 0.75 0.00	24.02 0.79 0.00	29.69 0.98 0.00	30.74 1.07 0.00	25.56 0.90 0.00	22.48 0.87 0.00	24.26 1.02 0.00	21.88 0.96 0.00	23.68 1.14 0.00	26.57 1.31 0.00	26.05 1.37 0.00	24.22 1.12 0.00	21.65 0.89 0.00	22.37 0.92 0.00	22.08 0.86 0.00	21.67 0.73 0.00	18.73 0.59 0.00
HUNTINGTON_RES_REC 323705	18.75 0.98 0.00	19.24 0.88 0.00	19.46 0.81 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.67 0.75 0.00	21.09 1.08 0.00	23.69 1.38 0.00	24.75 1.52 0.00	30.38 1.68 0.00	31.44 1.78 0.00	26.35 1.71 0.00	23.29 1.69 0.00	25.04 1.79 0.00	22.51 1.59 0.00	24.22 1.68 0.00	27.40 2.14 0.00	26.95 2.27 0.00	24.97 1.86 0.00	22.30 1.54 0.00	22.92 1.47 0.00	22.74 1.52 0.00	22.32 1.38 0.00	19.47 1.24 -0.09
HUNTLEY___63 23557	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.53 -0.33 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.64 -0.68 0.00	22.57 -0.67 0.00	27.67 -1.04 0.00	28.29 -1.37 0.00	23.35 -1.30 0.00	20.26 -1.34 0.00	21.78 -1.46 0.00	19.47 -1.45 0.00	20.93 -1.61 0.00	23.14 -2.12 0.00	22.52 -2.15 0.00	21.00 -2.11 0.00	19.13 -1.63 0.00	19.86 -1.59 0.00	19.52 -1.71 0.00	19.38 -1.55 0.00	16.73 -1.41 0.00
HUNTLEY___64 23558	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.53 -0.33 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.64 -0.68 0.00	22.57 -0.67 0.00	27.67 -1.04 0.00	28.29 -1.37 0.00	23.35 -1.30 0.00	20.26 -1.34 0.00	21.78 -1.46 0.00	19.47 -1.45 0.00	20.93 -1.61 0.00	23.14 -2.12 0.00	22.52 -2.15 0.00	21.00 -2.11 0.00	19.13 -1.63 0.00	19.86 -1.59 0.00	19.52 -1.71 0.00	19.38 -1.55 0.00	16.73 -1.41 0.00
HUNTLEY___65 23559	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.53 -0.33 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.64 -0.68 0.00	22.57 -0.67 0.00	27.67 -1.04 0.00	28.29 -1.37 0.00	23.35 -1.30 0.00	20.26 -1.34 0.00	21.78 -1.46 0.00	19.47 -1.45 0.00	20.93 -1.61 0.00	23.14 -2.12 0.00	22.52 -2.15 0.00	21.00 -2.11 0.00	19.13 -1.63 0.00	19.86 -1.59 0.00	19.52 -1.71 0.00	19.38 -1.55 0.00	16.73 -1.41 0.00
HUNTLEY___66 23560	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.53 -0.33 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.64 -0.68 0.00	22.57 -0.67 0.00	27.67 -1.04 0.00	28.29 -1.37 0.00	23.35 -1.30 0.00	20.26 -1.34 0.00	21.78 -1.46 0.00	19.47 -1.45 0.00	20.93 -1.61 0.00	23.14 -2.12 0.00	22.52 -2.15 0.00	21.00 -2.11 0.00	19.13 -1.63 0.00	19.86 -1.59 0.00	19.52 -1.71 0.00	19.38 -1.55 0.00	16.73 -1.41 0.00
HUNTLEY___67 23561	17.17 -0.59 0.00	17.91 -0.45 0.00	18.09 -0.56 0.00	13.94 -0.47 0.00	13.45 -0.41 0.00	15.52 -0.40 0.00	19.47 -0.55 0.00	21.50 -0.82 0.00	22.40 -0.83 0.00	27.45 -1.26 0.00	28.07 -1.60 0.00	23.16 -1.49 0.00	20.09 -1.51 0.00	21.62 -1.63 0.00	19.33 -1.59 0.00	20.80 -1.74 0.00	22.99 -2.27 0.00	22.38 -2.30 0.00	20.88 -2.23 0.00	19.00 -1.76 0.00	19.73 -1.72 0.00	19.40 -1.82 0.00	19.27 -1.66 0.00	16.64 -1.50 0.00
HUNTLEY___68 23562	17.17 -0.59 0.00	17.91 -0.45 0.00	18.09 -0.56 0.00	13.94 -0.47 0.00	13.45 -0.41 0.00	15.52 -0.40 0.00	19.47 -0.55 0.00	21.50 -0.82 0.00	22.40 -0.83 0.00	27.45 -1.26 0.00	28.07 -1.60 0.00	23.16 -1.49 0.00	20.09 -1.51 0.00	21.62 -1.63 0.00	19.33 -1.59 0.00	20.80 -1.74 0.00	22.99 -2.27 0.00	22.38 -2.30 0.00	20.88 -2.23 0.00	19.00 -1.76 0.00	19.73 -1.72 0.00	19.40 -1.82 0.00	19.27 -1.66 0.00	16.64 -1.50 0.00



HYLAND___LFGE 323620	18.19 0.42 0.00	18.92 0.56 0.00	19.05 0.39 0.00	14.63 0.21 0.00	14.02 0.17 0.00	16.20 0.28 0.00	20.48 0.47 0.00	22.86 0.54 0.00	23.84 0.61 0.00	29.12 0.41 0.00	29.76 0.09 0.00	24.59 -0.06 0.00	21.36 -0.25 0.00	22.92 -0.32 0.00	20.57 -0.35 0.00	22.01 -0.53 0.00	24.85 -0.41 0.00	24.53 -0.15 0.00	22.90 -0.21 0.00	20.69 -0.07 0.00	21.43 -0.02 0.00	20.96 -0.26 0.00	20.63 -0.30 0.00	17.72 -0.42 0.00
INDECK___CORINTH 23802	18.41 0.65 0.00	18.97 0.61 0.00	19.17 0.52 0.00	14.82 0.41 0.00	14.20 0.35 0.00	16.41 0.49 0.00	20.81 0.80 0.00	23.40 1.08 0.00	24.35 1.12 0.00	30.15 1.45 0.00	31.21 1.55 0.00	25.94 1.29 0.00	22.89 1.29 0.00	24.87 1.62 0.00	22.34 1.42 0.00	24.15 1.61 0.00	26.97 1.71 0.00	26.50 1.82 0.00	24.62 1.51 0.00	21.98 1.22 0.00	22.66 1.21 0.00	22.45 1.23 0.00	22.07 1.13 0.00	19.06 0.92 0.00
INDECK___ILION 23567	17.69 -0.08 0.00	18.24 -0.13 0.00	18.46 -0.19 0.00	14.28 -0.13 0.00	13.71 -0.15 0.00	15.77 -0.15 0.00	19.94 -0.07 0.00	22.33 0.01 0.00	23.21 -0.02 0.00	28.64 -0.07 0.00	29.61 -0.06 0.00	24.68 0.03 0.00	21.71 0.11 0.00	23.40 0.15 0.00	21.11 0.19 0.00	22.77 0.24 0.00	25.60 0.33 0.00	25.11 0.43 0.00	23.39 0.28 0.00	20.92 0.16 0.00	21.66 0.21 0.00	21.40 0.18 0.00	21.01 0.07 0.00	18.15 0.01 0.00
INDECK___OLEAN 23982	18.11 0.34 0.00	18.84 0.48 0.00	18.98 0.33 0.00	14.61 0.19 0.00	14.04 0.18 0.00	16.26 0.34 0.00	20.47 0.46 0.00	22.79 0.47 0.00	23.80 0.57 0.00	29.12 0.42 0.00	29.70 0.04 0.00	24.47 -0.18 0.00	21.27 -0.33 0.00	22.95 -0.30 0.00	20.64 -0.28 0.00	22.16 -0.38 0.00	24.65 -0.61 0.00	24.19 -0.49 0.00	22.56 -0.55 0.00	20.28 -0.48 0.00	21.07 -0.38 0.00	20.80 -0.42 0.00	20.70 -0.24 0.00	17.87 -0.27 0.00
INDECK___OSWEGO 23783	17.28 -0.48 0.00	17.89 -0.47 0.00	18.13 -0.52 0.00	14.01 -0.41 0.00	13.48 -0.38 0.00	15.51 -0.41 0.00	19.45 -0.56 0.00	21.63 -0.69 0.00	22.51 -0.72 0.00	27.76 -0.94 0.00	28.61 -1.05 0.00	23.76 -0.89 0.00	20.84 -0.77 0.00	22.43 -0.81 0.00	20.20 -0.72 0.00	21.74 -0.80 0.00	24.37 -0.89 0.00	23.85 -0.83 0.00	22.31 -0.80 0.00	20.06 -0.70 0.00	20.71 -0.75 0.00	20.47 -0.75 0.00	20.25 -0.68 0.00	17.55 -0.59 0.00
INDECK___YERKES 23781	17.28 -0.48 0.00	18.02 -0.34 0.00	18.21 -0.44 0.00	14.04 -0.38 0.00	13.54 -0.32 0.00	15.65 -0.28 0.00	19.63 -0.38 0.00	21.66 -0.66 0.00	22.59 -0.64 0.00	27.70 -1.00 0.00	28.35 -1.31 0.00	23.37 -1.27 0.00	20.29 -1.32 0.00	21.81 -1.44 0.00	19.51 -1.41 0.00	20.96 -1.58 0.00	23.18 -2.09 0.00	22.55 -2.13 0.00	21.03 -2.08 0.00	19.15 -1.61 0.00	19.88 -1.57 0.00	19.54 -1.68 0.00	19.40 -1.53 0.00	16.74 -1.41 0.00
INDIAN POINT_GT_1 24139	18.41 0.65 0.00	18.95 0.58 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.45 0.00	20.69 0.68 0.00	23.18 0.87 0.00	24.22 0.98 0.00	29.87 1.17 0.00	30.88 1.21 0.00	25.81 1.16 0.00	22.74 1.13 0.00	24.48 1.23 0.00	22.05 1.13 0.00	23.76 1.23 0.00	26.80 1.54 0.00	26.37 1.69 0.00	24.48 1.37 0.00	21.87 1.12 0.00	22.57 1.12 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.89 0.75 0.00
INDIAN POINT_GT_2 23659	18.41 0.65 0.00	18.95 0.58 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.45 0.00	20.69 0.68 0.00	23.18 0.87 0.00	24.22 0.98 0.00	29.87 1.17 0.00	30.88 1.21 0.00	25.81 1.16 0.00	22.74 1.13 0.00	24.48 1.23 0.00	22.05 1.13 0.00	23.76 1.23 0.00	26.80 1.54 0.00	26.37 1.69 0.00	24.48 1.37 0.00	21.87 1.12 0.00	22.57 1.12 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.89 0.75 0.00
INDIAN POINT_GT_3 24019	18.41 0.65 0.00	18.95 0.58 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.45 0.00	20.69 0.68 0.00	23.18 0.87 0.00	24.22 0.98 0.00	29.87 1.17 0.00	30.88 1.21 0.00	25.81 1.16 0.00	22.74 1.13 0.00	24.48 1.23 0.00	22.05 1.13 0.00	23.76 1.23 0.00	26.80 1.54 0.00	26.37 1.69 0.00	24.48 1.37 0.00	21.87 1.12 0.00	22.57 1.12 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.89 0.75 0.00
INDIAN POINT___2 23530	18.40 0.64 0.00	18.94 0.58 0.00	19.17 0.52 0.00	14.79 0.38 0.00	14.20 0.34 0.00	16.37 0.44 0.00	20.68 0.67 0.00	23.17 0.85 0.00	24.20 0.96 0.00	29.85 1.15 0.00	30.84 1.18 0.00	25.78 1.13 0.00	22.71 1.10 0.00	24.44 1.19 0.00	22.01 1.09 0.00	23.73 1.20 0.00	26.77 1.51 0.00	26.34 1.66 0.00	24.45 1.35 0.00	21.85 1.09 0.00	22.55 1.09 0.00	22.30 1.08 0.00	21.85 0.91 0.00	18.86 0.72 0.00
INDIAN POINT___3 23531	18.40 0.63 0.00	18.94 0.57 0.00	19.17 0.52 0.00	14.79 0.38 0.00	14.20 0.35 0.00	16.37 0.44 0.00	20.67 0.66 0.00	23.17 0.85 0.00	24.19 0.96 0.00	29.85 1.14 0.00	30.85 1.18 0.00	25.79 1.14 0.00	22.72 1.11 0.00	24.46 1.21 0.00	22.03 1.12 0.00	23.74 1.21 0.00	26.78 1.51 0.00	26.34 1.66 0.00	24.45 1.34 0.00	21.85 1.09 0.00	22.55 1.09 0.00	22.30 1.08 0.00	21.85 0.91 0.00	18.87 0.73 0.00
INGHAM_C_115KV_TB7 356103	17.46 -0.30 0.00	17.94 -0.42 0.00	18.09 -0.57 0.00	14.01 -0.40 0.00	13.42 -0.44 0.00	15.45 -0.48 0.00	19.69 -0.32 0.00	22.14 -0.18 0.00	22.97 -0.26 0.00	28.28 -0.43 0.00	29.22 -0.44 0.00	24.46 -0.19 0.00	21.61 0.00 0.00	23.31 0.07 0.00	21.10 0.18 0.00	22.79 0.25 0.00	25.67 0.41 0.00	25.27 0.59 0.00	23.42 0.31 0.00	20.88 0.12 0.00	21.71 0.25 0.00	21.43 0.21 0.00	20.93 -0.01 0.00	18.01 -0.13 0.00
IP CORINTH___1 23988	18.42 0.65 0.00	18.97 0.61 0.00	19.17 0.52 0.00	14.82 0.41 0.00	14.21 0.35 0.00	16.41 0.49 0.00	20.81 0.80 0.00	23.40 1.08 0.00	24.35 1.12 0.00	30.15 1.45 0.00	31.21 1.55 0.00	25.94 1.29 0.00	22.89 1.29 0.00	24.87 1.62 0.00	22.34 1.43 0.00	24.15 1.62 0.00	26.97 1.71 0.00	26.50 1.82 0.00	24.62 1.51 0.00	21.98 1.22 0.00	22.66 1.21 0.00	22.45 1.23 0.00	22.07 1.13 0.00	19.06 0.92 0.00
IP___TICONDEROGA 23804	18.78 1.01 0.00	19.30 0.94 0.00	19.52 0.87 0.00	15.08 0.66 0.00	14.51 0.65 0.00	16.93 1.01 0.00	21.73 1.72 0.00	24.60 2.28 0.00	25.51 2.28 0.00	31.70 2.99 0.00	32.82 3.15 0.00	27.19 2.54 0.00	24.05 2.44 0.00	26.06 2.81 0.00	23.31 2.39 0.00	25.28 2.74 0.00	28.22 2.95 0.00	27.80 3.12 0.00	25.54 2.43 0.00	22.72 1.96 0.00	23.38 1.93 0.00	23.33 2.12 0.00	22.90 1.97 0.00	19.70 1.56 0.00
ISLIP_RES_REC 323679	18.95 1.19 0.00	19.45 1.09 0.00	19.69 1.04 0.00	15.19 0.78 0.00	14.61 0.75 0.00	16.88 0.95 0.00	21.38 1.37 0.00	24.05 1.73 0.00	25.17 1.94 0.00	30.75 2.04 0.00	31.73 2.07 0.00	26.58 1.93 0.00	23.53 1.93 0.00	25.31 2.06 0.00	22.76 1.84 0.00	24.46 1.92 0.00	27.72 2.46 0.00	27.31 2.63 0.00	25.29 2.18 0.00	22.58 1.83 0.00	23.21 1.75 0.00	23.02 1.80 0.00	22.59 1.65 0.00	19.71 1.48 -0.09



JAMAICA__27_KV_LOAD 355505	18.64 0.88 0.00	19.18 0.82 0.00	19.40 0.75 0.00	14.96 0.55 0.00	14.36 0.51 0.00	16.55 0.63 0.00	20.93 0.92 0.00	23.47 1.15 0.00	24.54 1.31 0.00	30.28 1.57 0.00	31.30 1.63 0.00	26.20 1.55 0.00	23.07 1.46 0.00	24.84 1.59 0.00	22.41 1.49 0.00	24.10 1.57 0.00	27.19 1.93 0.00	26.75 2.08 0.00	24.88 1.77 0.00	22.26 1.50 0.00	22.92 1.47 0.00	22.66 1.43 0.00	22.14 1.20 0.00	19.15 1.01 0.00
JANIS__SOLAR 323808	18.48 0.71 0.00	19.09 0.73 0.00	19.32 0.67 0.00	14.83 0.42 0.00	14.24 0.38 0.00	16.48 0.55 0.00	20.84 0.83 0.00	23.13 0.81 0.00	24.07 0.83 0.00	29.65 0.94 0.00	30.39 0.72 0.00	25.29 0.64 0.00	22.18 0.58 0.00	23.89 0.64 0.00	21.50 0.59 0.00	23.20 0.66 0.00	26.13 0.87 0.00	25.71 1.04 0.00	24.03 0.92 0.00	21.65 0.89 0.00	22.32 0.87 0.00	21.98 0.76 0.00	21.59 0.66 0.00	18.63 0.49 0.00
JARVIS____ 23743	17.76 -0.01 0.00	18.36 -0.01 0.00	18.64 -0.02 0.00	14.40 -0.01 0.00	13.84 -0.01 0.00	15.91 -0.01 0.00	20.00 -0.01 0.00	22.32 0.00 0.00	23.23 0.00 0.00	28.70 -0.01 0.00	29.67 0.01 0.00	24.70 0.05 0.00	21.66 0.06 0.00	23.33 0.09 0.00	21.01 0.08 0.00	22.63 0.09 0.00	25.40 0.14 0.00	24.86 0.19 0.00	23.23 0.12 0.00	20.83 0.07 0.00	21.50 0.05 0.00	21.25 0.03 0.00	20.96 0.02 0.00	18.15 0.01 0.00
JENNISON____1 23625	18.37 0.61 0.00	18.91 0.54 0.00	19.22 0.57 0.00	14.65 0.23 0.00	14.08 0.23 0.00	16.30 0.37 0.00	20.67 0.66 0.00	22.72 0.40 0.00	23.61 0.37 0.00	29.14 0.44 0.00	29.89 0.22 0.00	24.92 0.27 0.00	21.88 0.28 0.00	23.57 0.32 0.00	21.28 0.36 0.00	22.94 0.41 0.00	25.89 0.63 0.00	25.56 0.88 0.00	23.78 0.67 0.00	21.52 0.76 0.00	22.21 0.76 0.00	21.83 0.61 0.00	21.35 0.42 0.00	18.46 0.32 0.00
JENNISON____2 23626	18.37 0.61 0.00	18.91 0.54 0.00	19.22 0.57 0.00	14.65 0.23 0.00	14.08 0.23 0.00	16.30 0.37 0.00	20.67 0.66 0.00	22.72 0.40 0.00	23.61 0.37 0.00	29.14 0.44 0.00	29.89 0.22 0.00	24.92 0.27 0.00	21.88 0.28 0.00	23.57 0.32 0.00	21.28 0.36 0.00	22.94 0.41 0.00	25.89 0.63 0.00	25.56 0.88 0.00	23.78 0.67 0.00	21.52 0.76 0.00	22.21 0.76 0.00	21.83 0.61 0.00	21.35 0.42 0.00	18.46 0.32 0.00
JERICOHO_RISE_WT_PWR 323719	17.31 -0.46 0.00	18.04 -0.32 0.00	18.77 0.12 0.00	14.63 0.21 0.00	14.16 0.30 0.00	16.29 0.36 0.00	20.36 0.34 0.00	22.72 0.40 0.00	23.69 0.46 0.00	29.74 1.04 0.00	31.04 1.38 0.00	25.47 0.82 0.00	21.84 0.24 0.00	22.87 -0.37 0.00	20.43 -0.49 0.00	21.99 -0.55 0.00	10.72 -0.97 13.58	19.74 -1.01 3.93	-24.32 -0.79 46.63	9.23 -0.40 11.13	21.17 -0.28 0.00	21.14 -0.08 0.00	20.99 0.05 0.00	18.27 0.13 0.00
KATONAH__115KV_46KV_TB4 355592	18.51 0.75 0.00	19.05 0.68 0.00	19.27 0.62 0.00	14.88 0.46 0.00	14.28 0.43 0.00	16.46 0.54 0.00	20.79 0.78 0.00	23.30 0.98 0.00	24.33 1.10 0.00	30.01 1.30 0.00	31.04 1.38 0.00	25.97 1.32 0.00	22.89 1.28 0.00	24.65 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.99 1.72 0.00	26.56 1.88 0.00	24.66 1.55 0.00	22.04 1.28 0.00	22.73 1.28 0.00	22.48 1.26 0.00	22.01 1.07 0.00	19.00 0.87 0.00
KCE_NY_1 323755	18.33 0.57 0.00	18.89 0.52 0.00	19.14 0.49 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.39 0.47 0.00	20.72 0.71 0.00	23.23 0.92 0.00	24.18 0.94 0.00	29.97 1.26 0.00	31.00 1.34 0.00	25.76 1.10 0.00	22.68 1.08 0.00	24.49 1.24 0.00	22.05 1.13 0.00	23.86 1.33 0.00	26.74 1.48 0.00	26.23 1.55 0.00	24.35 1.24 0.00	21.78 1.02 0.00	22.48 1.03 0.00	22.27 1.05 0.00	21.87 0.94 0.00	18.88 0.74 0.00
KCE_NY_6_ESR 323823	17.47 -0.29 0.00	18.22 -0.15 0.00	18.37 -0.28 0.00	14.15 -0.26 0.00	13.64 -0.21 0.00	15.75 -0.18 0.00	19.76 -0.25 0.00	21.85 -0.47 0.00	22.78 -0.46 0.00	27.93 -0.77 0.00	28.57 -1.09 0.00	23.57 -1.08 0.00	20.45 -1.16 0.00	22.00 -1.25 0.00	19.71 -1.21 0.00	21.20 -1.33 0.00	23.46 -1.80 0.00	22.88 -1.80 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.12 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.91 -1.23 0.00
KEDC_PORT_JEFF_GT2 24210	18.86 1.10 0.00	19.37 1.01 0.00	19.60 0.95 0.00	15.12 0.71 0.00	14.55 0.69 0.00	16.79 0.87 0.00	21.25 1.24 0.00	23.89 1.58 0.00	24.99 1.76 0.00	30.54 1.83 0.00	31.55 1.89 0.00	26.44 1.79 0.00	23.38 1.78 0.00	25.14 1.90 0.00	22.62 1.70 0.00	24.30 1.76 0.00	27.55 2.29 0.00	27.12 2.44 0.00	25.12 2.01 0.00	22.43 1.67 0.00	23.05 1.60 0.00	22.87 1.65 0.00	22.45 1.52 0.00	19.60 1.37 -0.09
KEDC_PORT_JEFF_GT3 24211	18.86 1.10 0.00	19.37 1.01 0.00	19.60 0.95 0.00	15.12 0.71 0.00	14.55 0.69 0.00	16.79 0.87 0.00	21.25 1.24 0.00	23.89 1.58 0.00	24.99 1.76 0.00	30.54 1.83 0.00	31.55 1.89 0.00	26.44 1.79 0.00	23.38 1.78 0.00	25.14 1.90 0.00	22.62 1.70 0.00	24.30 1.76 0.00	27.55 2.29 0.00	27.12 2.44 0.00	25.12 2.01 0.00	22.43 1.67 0.00	23.05 1.60 0.00	22.87 1.65 0.00	22.45 1.52 0.00	19.60 1.37 -0.09
KEDC_GLWD_GT4 24219	18.75 0.99 0.00	19.26 0.90 0.00	19.48 0.83 0.00	15.03 0.62 0.00	14.45 0.59 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.71 1.39 0.00	24.77 1.54 0.00	30.47 1.77 0.00	31.54 1.87 0.00	26.43 1.78 0.00	23.33 1.73 0.00	25.08 1.84 0.00	22.55 1.63 0.00	24.30 1.76 0.00	27.47 2.21 0.00	26.91 2.24 0.00	24.96 1.85 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.81 1.59 0.00	22.35 1.42 0.00	19.41 1.17 -0.09
KEDC_GLWD_GT5 24220	18.75 0.99 0.00	19.26 0.90 0.00	19.48 0.83 0.00	15.03 0.62 0.00	14.45 0.59 0.00	16.67 0.75 0.00	21.11 1.10 0.00	23.71 1.39 0.00	24.77 1.54 0.00	30.47 1.77 0.00	31.54 1.87 0.00	26.43 1.78 0.00	23.33 1.73 0.00	25.08 1.84 0.00	22.55 1.63 0.00	24.30 1.76 0.00	27.47 2.21 0.00	26.91 2.24 0.00	24.96 1.85 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.81 1.59 0.00	22.35 1.42 0.00	19.41 1.17 -0.09
KENSICO____ 23655	18.46 0.69 0.00	18.99 0.63 0.00	19.22 0.57 0.00	14.84 0.42 0.00	14.24 0.39 0.00	16.41 0.49 0.00	20.73 0.72 0.00	23.24 0.92 0.00	24.28 1.04 0.00	29.95 1.24 0.00	30.96 1.30 0.00	25.90 1.25 0.00	22.81 1.21 0.00	24.55 1.31 0.00	22.12 1.20 0.00	23.84 1.30 0.00	26.88 1.61 0.00	26.44 1.76 0.00	24.54 1.43 0.00	21.92 1.16 0.00	22.62 1.17 0.00	22.38 1.16 0.00	21.91 0.97 0.00	18.92 0.78 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	18.64 0.88 0.00	19.23 0.86 0.00	19.46 0.81 0.00	15.01 0.60 0.00	14.42 0.56 0.00	16.62 0.70 0.00	21.03 1.01 0.00	23.58 1.26 0.00	24.62 1.39 0.00	30.38 1.67 0.00	31.34 1.68 0.00	26.22 1.57 0.00	23.10 1.49 0.00	24.89 1.64 0.00	22.40 1.48 0.00	24.09 1.55 0.00	27.25 1.98 0.00	26.83 2.16 0.00	24.94 1.83 0.00	22.28 1.53 0.00	22.99 1.53 0.00	22.72 1.50 0.00	22.24 1.30 0.00	19.17 1.03 0.00



23816	18.59 0.83 0.00	19.13 0.76 0.00	19.34 0.69 0.00	14.92 0.51 0.00	14.32 0.47 0.00	16.51 0.58 0.00	20.87 0.85 0.00	23.38 1.06 0.00	24.46 1.22 0.00	30.18 1.47 0.00	31.18 1.52 0.00	26.11 1.46 0.00	22.99 1.39 0.00	24.75 1.50 0.00	22.33 1.42 0.00	24.02 1.49 0.00	27.09 1.83 0.00	26.66 1.98 0.00	24.78 1.67 0.00	22.17 1.41 0.00	22.84 1.39 0.00	22.57 1.35 0.00	22.05 1.12 0.00	19.09 0.95 0.00
KIAC_JFK_GT2 23817	18.59 0.83 0.00	19.13 0.76 0.00	19.34 0.69 0.00	14.92 0.51 0.00	14.32 0.47 0.00	16.51 0.58 0.00	20.87 0.85 0.00	23.38 1.06 0.00	24.46 1.22 0.00	30.18 1.47 0.00	31.18 1.52 0.00	26.11 1.46 0.00	22.99 1.39 0.00	24.75 1.50 0.00	22.33 1.42 0.00	24.02 1.49 0.00	27.09 1.83 0.00	26.66 1.98 0.00	24.78 1.67 0.00	22.17 1.41 0.00	22.84 1.39 0.00	22.57 1.35 0.00	22.05 1.12 0.00	19.09 0.95 0.00
KIAC_JFK____ 323774	18.59 0.83 0.00	19.13 0.76 0.00	19.34 0.68 0.00	14.92 0.51 0.00	14.32 0.47 0.00	16.50 0.58 0.00	20.87 0.85 0.00	23.39 1.07 0.00	24.46 1.22 0.00	30.18 1.47 0.00	31.18 1.51 0.00	26.10 1.46 0.00	22.99 1.39 0.00	24.75 1.50 0.00	22.33 1.41 0.00	24.02 1.49 0.00	27.09 1.83 0.00	26.66 1.98 0.00	24.78 1.67 0.00	22.17 1.41 0.00	22.84 1.39 0.00	22.57 1.35 0.00	22.05 1.12 0.00	19.09 0.95 0.00
KINTIGH____ 23543	17.02 -0.74 0.00	17.73 -0.63 0.00	17.93 -0.72 0.00	13.83 -0.58 0.00	13.34 -0.52 0.00	15.41 -0.52 0.00	19.33 -0.68 0.00	21.38 -0.94 0.00	22.28 -0.95 0.00	27.31 -1.39 0.00	27.96 -1.70 0.00	23.08 -1.57 0.00	20.05 -1.56 0.00	21.58 -1.66 0.00	19.32 -1.60 0.00	20.79 -1.74 0.00	23.04 -2.22 0.00	22.43 -2.25 0.00	20.95 -2.16 0.00	19.02 -1.74 0.00	19.75 -1.71 0.00	19.44 -1.78 0.00	19.31 -1.63 0.00	16.69 -1.45 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	17.41 -0.35 0.00	18.14 -0.22 0.00	18.85 0.20 0.00	14.70 0.29 0.00	14.25 0.39 0.00	16.43 0.50 0.00	20.58 0.57 0.00	23.05 0.73 0.00	24.02 0.79 0.00	30.22 1.51 0.00	31.59 1.93 0.00	25.95 1.30 0.00	22.25 0.64 0.00	23.25 0.01 0.00	20.78 -0.14 0.00	22.35 -0.19 0.00	11.83 -0.57 12.86	20.39 -0.57 3.72	-21.45 -0.41 44.16	10.16 -0.05 10.54	21.50 0.04 0.00	21.48 0.25 0.00	21.30 0.36 0.00	18.52 0.38 0.00
LACHUTE___HYDRO 323717	18.78 1.01 0.00	19.30 0.94 0.00	19.52 0.87 0.00	15.08 0.66 0.00	14.51 0.66 0.00	16.93 1.01 0.00	21.73 1.72 0.00	24.60 2.28 0.00	25.51 2.28 0.00	31.70 2.99 0.00	32.82 3.15 0.00	27.19 2.54 0.00	24.05 2.44 0.00	26.06 2.81 0.00	23.31 2.39 0.00	25.27 2.74 0.00	28.22 2.95 0.00	27.80 3.12 0.00	25.54 2.43 0.00	22.72 1.96 0.00	23.38 1.93 0.00	23.34 2.12 0.00	22.90 1.97 0.00	19.70 1.56 0.00
LAWRNCV_115KV_TB1 80681	17.83 0.06 0.00	18.53 0.16 0.00	18.95 0.30 0.00	14.66 0.24 0.00	14.11 0.25 0.00	16.06 0.14 0.00	20.08 0.07 0.00	22.39 0.07 0.00	23.26 0.03 0.00	28.89 0.18 0.00	29.97 0.31 0.00	24.82 0.17 0.00	21.56 -0.04 0.00	23.10 -0.15 0.00	20.69 -0.23 0.00	22.26 -0.28 0.00	26.37 -0.52 -1.63	24.60 -0.54 -0.47	28.38 -0.32 -5.58	21.92 -0.17 -1.33	21.29 -0.16 0.00	21.10 -0.12 0.00	21.00 0.06 0.00	18.30 0.16 0.00
LEDERLE____ 23769	18.47 0.71 0.00	19.01 0.65 0.00	19.24 0.59 0.00	14.85 0.43 0.00	14.26 0.40 0.00	16.44 0.52 0.00	20.78 0.77 0.00	23.29 0.97 0.00	24.33 1.09 0.00	30.02 1.31 0.00	31.00 1.34 0.00	25.91 1.26 0.00	22.81 1.20 0.00	24.55 1.31 0.00	22.12 1.20 0.00	23.84 1.31 0.00	26.91 1.65 0.00	26.49 1.81 0.00	24.59 1.48 0.00	21.97 1.22 0.00	22.68 1.23 0.00	22.42 1.20 0.00	21.95 1.02 0.00	18.94 0.80 0.00
LIGHTHSE_115KV_TB6 355974	17.24 -0.52 0.00	17.93 -0.44 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.54 -0.31 0.00	15.61 -0.31 0.00	19.57 -0.44 0.00	21.79 -0.52 0.00	22.65 -0.59 0.00	27.93 -0.78 0.00	28.75 -0.92 0.00	23.78 -0.87 0.00	20.79 -0.81 0.00	22.39 -0.86 0.00	20.13 -0.79 0.00	21.64 -0.90 0.00	24.27 -0.99 0.00	23.79 -0.89 0.00	22.30 -0.81 0.00	20.03 -0.73 0.00	20.63 -0.82 0.00	20.41 -0.81 0.00	20.25 -0.68 0.00	17.55 -0.59 0.00
LINDEN COGEN____ 23786	18.43 0.67 0.00	18.96 0.60 0.00	19.18 0.53 0.00	14.81 0.40 0.00	14.22 0.36 0.00	16.38 0.45 0.00	20.70 0.68 0.00	23.18 0.86 0.00	24.24 1.00 0.00	29.87 1.17 0.00	30.87 1.21 0.00	25.83 1.18 0.00	22.75 1.15 0.00	24.47 1.23 0.00	22.04 1.13 0.00	23.54 1.24 0.24	26.46 1.53 0.34	26.37 1.69 0.00	24.48 1.37 0.00	21.87 1.11 0.00	22.57 1.12 0.00	22.31 1.10 0.00	21.83 0.90 0.00	18.87 0.73 0.00
LINDHRST_69_KV_BK1 356055	18.92 1.16 0.00	19.41 1.05 0.00	19.65 1.00 0.00	15.16 0.74 0.00	14.57 0.72 0.00	16.83 0.91 0.00	21.33 1.32 0.00	23.95 1.63 0.00	25.06 1.82 0.00	30.74 2.04 0.00	31.80 2.13 0.00	26.65 2.00 0.00	23.55 1.95 0.00	25.32 2.07 0.00	22.72 1.80 0.00	24.48 1.94 0.00	27.73 2.47 0.00	27.30 2.63 0.00	25.30 2.19 0.00	22.60 1.85 0.00	23.25 1.80 0.00	23.03 1.81 0.00	22.58 1.64 0.00	19.64 1.41 -0.09
LIPA_MISC_IPP 23656	18.83 1.06 0.00	19.35 0.99 0.00	19.58 0.93 0.00	15.11 0.70 0.00	14.53 0.68 0.00	16.77 0.84 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.94 1.71 0.00	30.35 1.64 0.00	31.34 1.67 0.00	26.26 1.61 0.00	23.23 1.63 0.00	24.99 1.74 0.00	22.47 1.55 0.00	24.13 1.60 0.00	27.37 2.11 0.00	26.95 2.28 0.00	24.96 1.86 0.00	22.29 1.53 0.00	22.90 1.45 0.00	22.75 1.53 0.00	22.36 1.42 0.00	19.56 1.33 -0.09
LISF___SOLAR 323691	18.86 1.10 0.00	19.38 1.02 0.00	19.61 0.96 0.00	15.13 0.72 0.00	14.56 0.70 0.00	16.79 0.86 0.00	21.25 1.24 0.00	23.89 1.57 0.00	24.99 1.76 0.00	30.40 1.69 0.00	31.36 1.69 0.00	26.29 1.64 0.00	23.27 1.66 0.00	25.03 1.78 0.00	22.51 1.59 0.00	24.17 1.64 0.00	27.42 2.16 0.00	27.01 2.33 0.00	25.01 1.90 0.00	22.33 1.57 0.00	22.94 1.49 0.00	22.78 1.56 0.00	22.39 1.45 0.00	19.59 1.36 -0.09
LITTLE FALLS___HYD 24013	17.46 -0.30 0.00	17.94 -0.42 0.00	18.09 -0.57 0.00	14.01 -0.40 0.00	13.42 -0.44 0.00	15.45 -0.48 0.00	19.69 -0.32 0.00	22.14 -0.18 0.00	22.97 -0.26 0.00	28.28 -0.43 0.00	29.22 -0.44 0.00	24.46 -0.19 0.00	21.61 0.00 0.00	23.31 0.07 0.00	21.10 0.18 0.00	22.79 0.25 0.00	25.67 0.41 0.00	25.27 0.59 0.00	23.42 0.31 0.00	20.88 0.12 0.00	21.71 0.25 0.00	21.43 0.21 0.00	20.93 -0.01 0.00	18.01 -0.13 0.00
LITTLRIV_115KV_TB1 356100	18.04 0.28 0.00	18.75 0.38 0.00	19.17 0.52 0.00	14.84 0.43 0.00	14.28 0.42 0.00	16.27 0.34 0.00	20.39 0.38 0.00	22.76 0.44 0.00	23.66 0.43 0.00	29.36 0.66 0.00	30.46 0.80 0.00	25.24 0.59 0.00	21.95 0.34 0.00	23.52 0.27 0.00	21.04 0.12 0.00	22.63 0.10 -1.80	26.96 -0.10 -0.52	25.07 -0.13 -0.52	29.37 0.08 -6.18	22.43 0.19 -1.48	21.67 0.22 0.00	21.46 0.24 0.00	21.31 0.37 0.00	18.56 0.42 0.00



LI_NEWBRDGE___DRP 323616	18.60 0.84 0.00	19.11 0.75 0.00	19.34 0.68 0.00	14.92 0.51 0.00	14.34 0.48 0.00	16.54 0.62 0.00	20.93 0.92 0.00	23.48 1.17 0.00	24.54 1.31 0.00	30.18 1.48 0.00	31.24 1.58 0.00	26.18 1.53 0.00	23.10 1.49 0.00	24.83 1.59 0.00	22.34 1.42 0.00	24.06 1.52 0.00	27.19 1.92 0.00	26.72 2.04 0.00	24.77 1.66 0.00	22.15 1.39 0.00	22.80 1.35 0.00	22.59 1.37 0.00	22.14 1.21 0.00	19.25 1.02 -0.09
LOCKPORT_115KV_TB60_63_64 80432	17.08 -0.68 0.00	17.82 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.45 0.00	15.48 -0.44 0.00	19.43 -0.58 0.00	21.45 -0.87 0.00	22.36 -0.87 0.00	27.37 -1.34 0.00	28.01 -1.65 0.00	23.11 -1.54 0.00	20.06 -1.55 0.00	21.57 -1.68 0.00	19.26 -1.65 0.00	20.74 -1.80 0.00	22.95 -2.32 0.00	22.32 -2.35 0.00	20.83 -2.28 0.00	18.97 -1.79 0.00	19.70 -1.75 0.00	19.36 -1.86 0.00	19.23 -1.70 0.00	16.60 -1.54 0.00
LOCKPORT___CC1 323769	17.08 -0.68 0.00	17.82 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.46 0.00	15.48 -0.45 0.00	19.42 -0.59 0.00	21.43 -0.89 0.00	22.34 -0.89 0.00	27.35 -1.36 0.00	28.00 -1.66 0.00	23.09 -1.56 0.00	20.03 -1.58 0.00	21.54 -1.71 0.00	19.26 -1.66 0.00	20.71 -1.83 0.00	22.92 -2.35 0.00	22.28 -2.39 0.00	20.79 -2.32 0.00	18.95 -1.81 0.00	19.67 -1.78 0.00	19.33 -1.89 0.00	19.20 -1.73 0.00	16.57 -1.57 0.00
LOCKPORT___CC2 323770	17.08 -0.68 0.00	17.82 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.46 0.00	15.48 -0.45 0.00	19.42 -0.59 0.00	21.43 -0.89 0.00	22.34 -0.89 0.00	27.35 -1.36 0.00	28.00 -1.66 0.00	23.09 -1.56 0.00	20.03 -1.58 0.00	21.54 -1.71 0.00	19.26 -1.66 0.00	20.71 -1.83 0.00	22.92 -2.35 0.00	22.28 -2.39 0.00	20.79 -2.32 0.00	18.95 -1.81 0.00	19.67 -1.78 0.00	19.33 -1.89 0.00	19.20 -1.73 0.00	16.57 -1.57 0.00
LOCKPORT___CC3 323771	17.08 -0.68 0.00	17.82 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.46 0.00	15.48 -0.45 0.00	19.42 -0.59 0.00	21.43 -0.89 0.00	22.34 -0.89 0.00	27.35 -1.36 0.00	28.00 -1.66 0.00	23.09 -1.56 0.00	20.03 -1.58 0.00	21.54 -1.71 0.00	19.26 -1.66 0.00	20.71 -1.83 0.00	22.92 -2.35 0.00	22.28 -2.39 0.00	20.79 -2.32 0.00	18.95 -1.81 0.00	19.67 -1.78 0.00	19.33 -1.89 0.00	19.20 -1.73 0.00	16.57 -1.57 0.00
LONG_LAKE_PHOENIX 24014	17.37 -0.39 0.00	17.97 -0.39 0.00	18.22 -0.43 0.00	14.07 -0.35 0.00	13.54 -0.32 0.00	15.59 -0.34 0.00	19.56 -0.45 0.00	21.76 -0.56 0.00	22.64 -0.59 0.00	27.92 -0.79 0.00	28.76 -0.90 0.00	23.89 -0.75 0.00	20.96 -0.65 0.00	22.56 -0.68 0.00	20.32 -0.60 0.00	21.88 -0.65 0.00	24.53 -0.73 0.00	24.01 -0.67 0.00	22.44 -0.67 0.00	20.18 -0.58 0.00	20.84 -0.61 0.00	20.59 -0.63 0.00	20.35 -0.58 0.00	17.62 -0.52 0.00
LOVETT___3 23632	18.38 0.62 0.00	18.92 0.56 0.00	19.15 0.50 0.00	14.78 0.37 0.00	14.19 0.34 0.00	16.36 0.43 0.00	20.67 0.66 0.00	23.15 0.83 0.00	24.19 0.96 0.00	29.84 1.14 0.00	30.82 1.16 0.00	25.76 1.11 0.00	22.68 1.08 0.00	24.41 1.17 0.00	22.00 1.08 0.00	23.71 1.17 0.00	26.75 1.49 0.00	26.32 1.64 0.00	24.44 1.33 0.00	21.84 1.08 0.00	22.54 1.08 0.00	22.29 1.07 0.00	21.83 0.89 0.00	18.85 0.71 0.00
LOVETT___4 23642	18.38 0.62 0.00	18.92 0.56 0.00	19.15 0.50 0.00	14.78 0.37 0.00	14.19 0.34 0.00	16.36 0.43 0.00	20.67 0.66 0.00	23.15 0.83 0.00	24.19 0.96 0.00	29.84 1.14 0.00	30.82 1.16 0.00	25.76 1.11 0.00	22.68 1.08 0.00	24.41 1.17 0.00	22.00 1.08 0.00	23.71 1.17 0.00	26.75 1.49 0.00	26.32 1.64 0.00	24.44 1.33 0.00	21.84 1.08 0.00	22.54 1.08 0.00	22.29 1.07 0.00	21.83 0.89 0.00	18.85 0.71 0.00
LOVETT___5 23593	18.38 0.62 0.00	18.92 0.56 0.00	19.15 0.50 0.00	14.78 0.37 0.00	14.19 0.34 0.00	16.36 0.43 0.00	20.67 0.66 0.00	23.15 0.83 0.00	24.19 0.96 0.00	29.84 1.14 0.00	30.82 1.16 0.00	25.76 1.11 0.00	22.68 1.08 0.00	24.41 1.17 0.00	22.00 1.08 0.00	23.71 1.17 0.00	26.75 1.49 0.00	26.32 1.64 0.00	24.44 1.33 0.00	21.84 1.08 0.00	22.54 1.08 0.00	22.29 1.07 0.00	21.83 0.89 0.00	18.85 0.71 0.00
LOWER RAQUET___HYD 24057	17.76 0.00 0.00	18.47 0.10 0.00	18.90 0.25 0.00	14.62 0.20 0.00	14.07 0.22 0.00	16.00 0.08 0.00	19.98 -0.03 0.00	22.29 -0.03 0.00	23.16 -0.08 0.00	28.77 0.06 0.00	29.85 0.18 0.00	24.74 0.09 0.00	21.47 -0.13 0.00	22.99 -0.26 0.00	20.59 -0.33 0.00	22.15 -0.39 0.00	26.55 -0.68 -1.96	24.56 -0.69 -0.57	29.41 -0.44 -6.74	22.09 -0.28 -1.61	21.17 -0.28 0.00	20.99 -0.23 0.00	20.90 -0.03 0.00	18.24 0.10 0.00
LOWER___HUDSON 24059	18.06 0.30 0.00	18.60 0.24 0.00	18.84 0.19 0.00	14.58 0.16 0.00	14.01 0.16 0.00	16.12 0.20 0.00	20.32 0.31 0.00	22.79 0.47 0.00	23.70 0.46 0.00	29.34 0.64 0.00	30.40 0.73 0.00	25.30 0.65 0.00	22.28 0.67 0.00	24.04 0.79 0.00	21.65 0.73 0.00	23.39 0.85 0.00	26.25 0.98 0.00	25.71 1.03 0.00	23.87 0.75 0.00	21.32 0.56 0.00	22.06 0.61 0.00	21.85 0.63 0.00	21.46 0.52 0.00	18.55 0.41 0.00
LOWVILLE_115KV_TB2 356335	17.40 -0.36 0.00	18.27 -0.09 0.00	18.63 -0.02 0.00	14.31 -0.11 0.00	13.90 0.05 0.00	16.05 0.12 0.00	20.04 0.02 0.00	22.35 0.03 0.00	23.12 -0.12 0.00	28.62 -0.09 0.00	29.57 -0.09 0.00	24.27 -0.38 0.00	21.12 -0.49 0.00	22.75 -0.50 0.00	20.38 -0.54 0.00	21.80 -0.74 0.00	24.99 -0.84 -0.57	24.17 -0.67 -0.16	24.63 -0.43 -1.96	20.78 -0.45 -0.47	20.75 -0.70 0.00	20.59 -0.63 0.00	20.69 -0.25 0.00	18.00 -0.14 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	18.33 0.57 0.00	18.89 0.53 0.00	19.15 0.49 0.00	14.80 0.39 0.00	14.22 0.36 0.00	16.39 0.46 0.00	20.71 0.70 0.00	23.22 0.91 0.00	24.17 0.94 0.00	29.92 1.21 0.00	30.97 1.30 0.00	25.74 1.09 0.00	22.67 1.06 0.00	24.49 1.24 0.00	22.04 1.12 0.00	23.83 1.30 0.00	26.72 1.45 0.00	26.20 1.52 0.00	24.35 1.24 0.00	21.76 1.00 0.00	22.47 1.02 0.00	22.25 1.03 0.00	21.86 0.92 0.00	18.88 0.74 0.00
LUTHERNY_35_KV_BK2 355980	18.33 0.57 0.00	18.89 0.53 0.00	19.15 0.49 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.39 0.47 0.00	20.72 0.71 0.00	23.23 0.92 0.00	24.17 0.94 0.00	29.96 1.26 0.00	31.00 1.34 0.00	25.76 1.10 0.00	22.68 1.08 0.00	24.49 1.24 0.00	22.05 1.13 0.00	23.86 1.33 0.00	26.74 1.48 0.00	26.23 1.55 0.00	24.36 1.24 0.00	21.78 1.02 0.00	22.48 1.03 0.00	22.27 1.05 0.00	21.87 0.94 0.00	18.88 0.74 0.00
LWR___OSWEGATCHIE_HYD 23850	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.37 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.66 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.26 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00



LYONS_FALL_HYD 23570	17.66 -0.10 0.00	18.43 0.07 0.00	18.76 0.11 0.00	14.44 0.02 0.00	13.97 0.12 0.00	16.12 0.19 0.00	20.22 0.21 0.00	22.56 0.24 0.00	23.41 0.18 0.00	28.96 0.25 0.00	29.92 0.25 0.00	24.67 0.02 0.00	21.53 -0.07 0.00	23.20 -0.05 0.00	20.83 -0.09 0.00	22.33 -0.21 0.00	25.43 -0.21 -0.38	24.69 -0.09 -0.11	24.44 0.01 -1.31	21.05 -0.03 -0.31	21.26 -0.20 0.00	21.05 -0.17 0.00	20.98 0.04 0.00	18.20 0.06 0.00
MADISON___COUNTY_LFGE 323628	18.10 0.34 0.00	18.77 0.41 0.00	19.03 0.38 0.00	14.68 0.27 0.00	14.14 0.28 0.00	16.31 0.38 0.00	20.57 0.56 0.00	22.95 0.64 0.00	23.90 0.67 0.00	29.49 0.79 0.00	30.41 0.75 0.00	25.25 0.60 0.00	22.12 0.52 0.00	23.83 0.58 0.00	21.46 0.54 0.00	23.07 0.54 0.00	25.92 0.66 0.00	25.37 0.69 0.00	23.71 0.60 0.00	21.27 0.51 0.00	21.93 0.48 0.00	21.66 0.44 0.00	21.36 0.43 0.00	18.46 0.32 0.00
MALONE___115KV_TB1 356076	17.61 -0.15 0.00	18.34 -0.02 0.00	18.99 0.34 0.00	14.77 0.36 0.00	14.29 0.43 0.00	16.40 0.47 0.00	20.51 0.50 0.00	22.91 0.59 0.00	23.87 0.64 0.00	29.90 1.19 0.00	31.17 1.51 0.00	25.62 0.97 0.00	22.03 0.43 0.00	23.20 -0.05 0.00	20.73 -0.18 0.00	22.32 -0.22 0.00	33.43 -0.55 -8.72	26.64 -0.56 -2.52	52.66 -0.39 -29.94	27.84 -0.06 -7.15	21.48 0.03 0.00	21.38 0.16 0.00	21.23 0.30 0.00	18.50 0.36 0.00
MAPLEWOD_115KV_TB3 80458	18.00 0.24 0.00	18.52 0.15 0.00	18.78 0.13 0.00	14.55 0.14 0.00	13.99 0.13 0.00	16.09 0.17 0.00	20.22 0.21 0.00	22.68 0.36 0.00	23.61 0.37 0.00	29.20 0.49 0.00	30.25 0.59 0.00	25.19 0.54 0.00	22.17 0.57 0.00	23.92 0.67 0.00	21.55 0.63 0.00	23.27 0.73 0.00	26.14 0.87 0.00	25.61 0.93 0.00	23.79 0.68 0.00	21.26 0.51 0.00	21.99 0.54 0.00	21.75 0.53 0.00	21.38 0.44 0.00	18.49 0.35 0.00
MAPLE_RIDGE_WT_1 323574	17.42 -0.35 0.00	18.26 -0.10 0.00	18.69 0.04 0.00	14.44 0.02 0.00	13.91 0.05 0.00	15.96 0.03 0.00	19.96 -0.05 0.00	22.20 -0.11 0.00	23.01 -0.22 0.00	28.52 -0.18 0.00	29.55 -0.12 0.00	24.37 -0.28 0.00	21.22 -0.38 0.00	22.86 -0.39 0.00	20.47 -0.45 0.00	22.00 -0.54 0.00	24.61 -0.66 0.00	24.10 -0.58 0.00	22.74 -0.37 0.00	20.39 -0.37 0.00	20.93 -0.52 0.00	20.64 -0.58 0.00	20.50 -0.43 0.00	18.01 -0.13 0.00
MAPLE_RIDGE_WT_2 323611	17.42 -0.35 0.00	18.26 -0.10 0.00	18.69 0.04 0.00	14.44 0.02 0.00	13.91 0.05 0.00	15.96 0.03 0.00	19.96 -0.05 0.00	22.20 -0.11 0.00	23.01 -0.22 0.00	28.52 -0.18 0.00	29.55 -0.12 0.00	24.37 -0.28 0.00	21.22 -0.38 0.00	22.86 -0.39 0.00	20.47 -0.45 0.00	22.00 -0.54 0.00	24.61 -0.66 0.00	24.10 -0.58 0.00	22.74 -0.37 0.00	20.39 -0.37 0.00	20.93 -0.52 0.00	20.64 -0.58 0.00	20.50 -0.43 0.00	18.01 -0.13 0.00
MARBLE_RIVER_WT_PWR 323696	17.26 -0.50 0.00	18.00 -0.36 0.00	18.74 0.08 0.00	14.62 0.20 0.00	14.15 0.29 0.00	16.28 0.35 0.00	20.34 0.33 0.00	22.71 0.39 0.00	23.67 0.44 0.00	29.78 1.07 0.00	31.11 1.44 0.00	25.52 0.87 0.00	21.88 0.27 0.00	22.87 -0.37 0.00	20.42 -0.50 0.00	21.98 -0.56 0.00	11.65 -1.00 12.61	20.00 -1.03 3.65	-21.00 -0.81 43.30	9.99 -0.43 10.34	21.14 -0.31 0.00	21.13 -0.09 0.00	20.98 0.04 0.00	18.27 0.13 0.00
MARSHVLE_115KV_TB1 80742	18.82 1.06 0.00	19.57 1.21 0.00	19.85 1.20 0.00	15.31 0.90 0.00	14.72 0.86 0.00	16.95 1.02 0.00	21.48 1.47 0.00	23.93 1.61 0.00	24.80 1.57 0.00	30.54 1.83 0.00	31.39 1.73 0.00	25.91 1.26 0.00	22.69 1.09 0.00	24.45 1.20 0.00	21.96 1.04 0.00	23.65 1.11 0.00	26.51 1.25 0.00	25.99 1.31 0.00	24.44 1.33 0.00	22.06 1.30 0.00	22.80 1.35 0.00	22.46 1.24 0.00	22.16 1.23 0.00	19.19 1.05 0.00
MARSH_HILL_WT_PWR 323713	17.77 0.01 0.00	18.54 0.18 0.00	18.52 -0.13 0.00	14.04 -0.37 0.00	13.18 -0.68 0.00	15.12 -0.81 0.00	18.93 -1.08 0.00	20.98 -1.34 0.00	22.05 -1.19 0.00	27.10 -1.60 0.00	27.66 -2.01 0.00	23.03 -1.62 0.00	19.85 -1.75 0.00	21.28 -1.96 0.00	19.04 -1.88 0.00	20.46 -2.07 0.00	22.81 -2.46 0.00	22.57 -2.11 0.00	20.93 -2.18 0.00	18.94 -1.81 0.00	19.65 -1.80 0.00	19.15 -2.07 0.00	18.83 -2.10 0.00	16.28 -1.85 0.00
MCINTYRE_115KV_TB2 80467	18.24 0.48 0.00	18.94 0.58 0.00	19.35 0.70 0.00	14.98 0.56 0.00	14.40 0.55 0.00	16.45 0.53 0.00	20.66 0.65 0.00	23.06 0.74 0.00	23.97 0.74 0.00	29.73 1.02 0.00	30.83 1.17 0.00	25.52 0.87 0.00	22.22 0.62 0.00	23.84 0.59 0.00	21.32 0.40 0.00	22.96 0.42 0.00	27.09 0.29 -1.54	25.37 0.25 -0.45	28.82 0.44 -5.28	22.53 0.52 -1.26	22.01 0.56 0.00	21.78 0.56 0.00	21.58 0.64 0.00	18.78 0.64 0.00
MECO____69_KV_BK1 80468	19.47 1.71 0.00	20.20 1.84 0.00	20.47 1.82 0.00	15.81 1.39 0.00	15.21 1.36 0.00	17.58 1.65 0.00	22.40 2.38 0.00	25.05 2.73 0.00	25.97 2.74 0.00	31.97 3.26 0.00	32.74 3.08 0.00	26.98 2.33 0.00	23.77 2.17 0.00	25.66 2.41 0.00	23.13 2.21 0.00	24.94 2.40 0.00	28.10 2.84 0.00	27.64 2.96 0.00	25.90 2.79 0.00	23.32 2.56 0.00	24.06 2.60 0.00	23.63 2.41 0.00	23.23 2.29 0.00	20.00 1.86 0.00
MENANDS__115KV_TB5 355628	17.91 0.15 0.00	18.42 0.05 0.00	18.68 0.03 0.00	14.49 0.07 0.00	13.93 0.06 0.00	16.01 0.09 0.00	20.10 0.09 0.00	22.54 0.22 0.00	23.45 0.21 0.00	29.01 0.30 0.00	30.06 0.40 0.00	25.04 0.39 0.00	22.04 0.44 0.00	23.77 0.52 0.00	21.42 0.50 0.00	23.12 0.58 0.00	25.98 0.71 0.00	25.44 0.76 0.00	23.63 0.52 0.00	21.12 0.36 0.00	21.84 0.39 0.00	21.61 0.39 0.00	21.24 0.31 0.00	18.38 0.24 0.00
MG INDUSTRY___DRP 24185	17.96 0.20 0.00	18.49 0.13 0.00	18.78 0.13 0.00	14.55 0.14 0.00	13.99 0.14 0.00	16.09 0.16 0.00	20.20 0.19 0.00	22.60 0.29 0.00	23.52 0.28 0.00	29.06 0.35 0.00	30.09 0.42 0.00	25.05 0.40 0.00	22.03 0.43 0.00	23.75 0.51 0.00	21.41 0.49 0.00	23.11 0.57 0.00	25.93 0.67 0.00	25.39 0.71 0.00	23.62 0.51 0.00	21.13 0.37 0.00	21.84 0.39 0.00	21.61 0.39 0.00	21.25 0.31 0.00	18.39 0.25 0.00
MID___OSWEGATCHIE_HYD 23849	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.37 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.66 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.26 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00
MID___RAQUETTE_HYD 23851	17.76 0.00 0.00	18.47 0.10 0.00	18.90 0.25 0.00	14.62 0.20 0.00	14.07 0.22 0.00	16.00 0.07 0.00	19.98 -0.03 0.00	22.28 -0.03 0.00	23.16 -0.08 0.00	28.76 0.06 0.00	29.85 0.18 0.00	24.74 0.09 0.00	21.47 -0.13 0.00	22.99 -0.26 0.00	20.59 -0.33 0.00	22.15 -0.39 0.00	26.55 -0.67 -1.96	24.56 -0.69 -0.57	29.41 -0.44 -6.74	22.09 -0.28 -1.61	21.17 -0.28 0.00	20.99 -0.23 0.00	20.90 -0.03 0.00	18.24 0.10 0.00



MILLIKEN___1 23584	18.10 0.34 0.00	18.72 0.35 0.00	18.95 0.30 0.00	14.61 0.19 0.00	14.03 0.17 0.00	16.18 0.25 0.00	20.43 0.42 0.00	22.75 0.43 0.00	23.74 0.50 0.00	29.18 0.47 0.00	29.91 0.24 0.00	24.85 0.20 0.00	21.79 0.19 0.00	23.48 0.23 0.00	21.12 0.20 0.00	22.76 0.22 0.00	25.56 0.29 0.00	25.05 0.37 0.00	23.39 0.28 0.00	21.04 0.28 0.00	21.71 0.25 0.00	21.42 0.19 0.00	21.11 0.17 0.00	18.24 0.10 0.00
MILLIKEN___2 23585	18.10 0.34 0.00	18.72 0.35 0.00	18.95 0.30 0.00	14.61 0.19 0.00	14.03 0.17 0.00	16.18 0.25 0.00	20.43 0.42 0.00	22.75 0.43 0.00	23.74 0.50 0.00	29.18 0.47 0.00	29.91 0.24 0.00	24.85 0.20 0.00	21.79 0.19 0.00	23.48 0.23 0.00	21.12 0.20 0.00	22.76 0.22 0.00	25.56 0.29 0.00	25.05 0.37 0.00	23.39 0.28 0.00	21.04 0.28 0.00	21.71 0.25 0.00	21.42 0.19 0.00	21.11 0.17 0.00	18.24 0.10 0.00
MILLIKEN___DIESEL 23629	18.10 0.34 0.00	18.72 0.35 0.00	18.95 0.30 0.00	14.61 0.19 0.00	14.03 0.17 0.00	16.18 0.25 0.00	20.43 0.42 0.00	22.75 0.43 0.00	23.74 0.50 0.00	29.18 0.47 0.00	29.91 0.24 0.00	24.85 0.20 0.00	21.79 0.19 0.00	23.48 0.23 0.00	21.12 0.20 0.00	22.76 0.22 0.00	25.56 0.29 0.00	25.05 0.37 0.00	23.39 0.28 0.00	21.04 0.28 0.00	21.71 0.25 0.00	21.42 0.19 0.00	21.11 0.17 0.00	18.24 0.10 0.00
MILLSEAT___LFGE 323607	17.35 -0.41 0.00	18.09 -0.28 0.00	18.28 -0.37 0.00	14.10 -0.31 0.00	13.61 -0.24 0.00	15.75 -0.18 0.00	19.82 -0.19 0.00	21.93 -0.38 0.00	22.89 -0.34 0.00	28.04 -0.66 0.00	28.73 -0.94 0.00	23.69 -0.96 0.00	20.57 -1.03 0.00	22.12 -1.12 0.00	19.81 -1.11 0.00	21.31 -1.23 0.00	23.64 -1.62 0.00	23.04 -1.64 0.00	21.49 -1.62 0.00	19.54 -1.22 0.00	20.26 -1.19 0.00	19.90 -1.32 0.00	19.73 -1.21 0.00	17.00 -1.14 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	18.42 0.66 0.00	18.96 0.60 0.00	19.19 0.54 0.00	14.82 0.40 0.00	14.22 0.37 0.00	16.39 0.46 0.00	20.70 0.69 0.00	23.20 0.88 0.00	24.23 1.00 0.00	29.89 1.18 0.00	30.90 1.24 0.00	25.84 1.19 0.00	22.76 1.16 0.00	24.50 1.25 0.00	22.08 1.16 0.00	23.79 1.25 0.00	26.82 1.56 0.00	26.39 1.71 0.00	24.49 1.39 0.00	21.88 1.12 0.00	22.58 1.13 0.00	22.34 1.12 0.00	21.88 0.95 0.00	18.90 0.76 0.00
MILLWOOD_13_KV_LOAD 356217	18.46 0.70 0.00	19.00 0.64 0.00	19.23 0.58 0.00	14.85 0.43 0.00	14.25 0.40 0.00	16.42 0.50 0.00	20.75 0.74 0.00	23.26 0.94 0.00	24.30 1.06 0.00	29.97 1.26 0.00	30.98 1.32 0.00	25.91 1.26 0.00	22.83 1.23 0.00	24.57 1.32 0.00	22.13 1.22 0.00	23.85 1.32 0.00	26.90 1.64 0.00	26.46 1.78 0.00	24.56 1.45 0.00	21.94 1.18 0.00	22.64 1.19 0.00	22.39 1.17 0.00	21.93 0.99 0.00	18.94 0.80 0.00
MODEL_CITY_ENERGY 24167	16.89 -0.87 0.00	17.62 -0.74 0.00	17.81 -0.84 0.00	13.74 -0.68 0.00	13.26 -0.60 0.00	15.30 -0.62 0.00	19.19 -0.82 0.00	21.16 -1.15 0.00	22.06 -1.17 0.00	27.00 -1.71 0.00	27.66 -2.01 0.00	22.80 -1.85 0.00	19.79 -1.82 0.00	21.27 -1.97 0.00	19.01 -1.91 0.00	20.45 -2.09 0.00	22.61 -2.65 0.00	21.97 -2.71 0.00	20.51 -2.60 0.00	18.71 -2.06 0.00	19.42 -2.04 0.00	19.09 -2.13 0.00	18.98 -1.95 0.00	16.38 -1.76 0.00
MODERN_LFGE___ 323580	16.89 -0.87 0.00	17.62 -0.74 0.00	17.81 -0.84 0.00	13.74 -0.68 0.00	13.26 -0.60 0.00	15.30 -0.62 0.00	19.19 -0.82 0.00	21.16 -1.15 0.00	22.06 -1.17 0.00	27.00 -1.71 0.00	27.66 -2.01 0.00	22.80 -1.85 0.00	19.79 -1.82 0.00	21.27 -1.97 0.00	19.01 -1.91 0.00	20.45 -2.09 0.00	22.61 -2.65 0.00	21.97 -2.71 0.00	20.51 -2.60 0.00	18.71 -2.06 0.00	19.42 -2.04 0.00	19.09 -2.13 0.00	18.98 -1.95 0.00	16.38 -1.76 0.00
MOHAWK_PAPER___DRP 24187	18.00 0.24 0.00	18.52 0.15 0.00	18.78 0.13 0.00	14.55 0.14 0.00	13.99 0.13 0.00	16.09 0.17 0.00	20.22 0.21 0.00	22.68 0.36 0.00	23.61 0.37 0.00	29.20 0.49 0.00	30.25 0.59 0.00	25.19 0.54 0.00	22.17 0.57 0.00	23.92 0.67 0.00	21.55 0.63 0.00	23.27 0.73 0.00	26.14 0.87 0.00	25.61 0.93 0.00	23.79 0.68 0.00	21.26 0.51 0.00	21.99 0.54 0.00	21.75 0.53 0.00	21.38 0.44 0.00	18.49 0.35 0.00
MOHICAN___35_KV_115KV_LD 80490	18.46 0.70 0.00	19.01 0.65 0.00	19.23 0.58 0.00	14.86 0.45 0.00	14.26 0.40 0.00	16.48 0.56 0.00	20.92 0.91 0.00	23.54 1.22 0.00	24.49 1.25 0.00	30.32 1.61 0.00	31.38 1.72 0.00	26.06 1.42 0.00	23.00 1.39 0.00	24.96 1.71 0.00	22.42 1.50 0.00	24.24 1.71 0.00	27.11 1.84 0.00	26.63 1.95 0.00	24.71 1.60 0.00	22.05 1.29 0.00	22.74 1.29 0.00	22.55 1.33 0.00	22.15 1.22 0.00	19.12 0.98 0.00
MONGAUP___HYD 23641	18.09 0.33 0.00	18.64 0.28 0.00	18.86 0.20 0.00	14.56 0.14 0.00	13.99 0.13 0.00	16.12 0.19 0.00	20.43 0.42 0.00	22.91 0.59 0.00	23.84 0.60 0.00	29.41 0.70 0.00	30.37 0.71 0.00	25.34 0.69 0.00	22.38 0.77 0.00	24.06 0.81 0.00	21.61 0.69 0.00	23.34 0.81 0.00	26.36 1.09 0.00	25.95 1.27 0.00	24.21 1.10 0.00	21.58 0.82 0.00	22.33 0.87 0.00	22.00 0.78 0.00	21.54 0.60 0.00	18.58 0.44 0.00
MONTAUK___DIESEL 23721	19.20 1.44 0.00	19.74 1.38 0.00	19.98 1.33 0.00	15.45 1.04 0.00	14.88 1.02 0.00	17.18 1.25 0.00	21.75 1.74 0.00	24.47 2.16 0.00	25.62 2.38 0.00	31.10 2.39 0.00	32.12 2.45 0.00	26.85 2.20 0.00	23.77 2.17 0.00	25.59 2.34 0.00	23.00 2.08 0.00	24.72 2.18 0.00	28.08 2.82 0.00	27.71 3.03 0.00	25.67 2.56 0.00	22.90 2.14 0.00	23.51 2.06 0.00	23.33 2.11 0.00	22.90 1.97 0.00	20.03 1.79 -0.09
MOONROAD_115KV_HARTFLD_TB1-2 355988	17.88 0.12 0.00	18.57 0.21 0.00	18.67 0.02 0.00	14.31 -0.10 0.00	13.78 -0.07 0.00	15.95 0.03 0.00	20.09 0.08 0.00	22.21 -0.10 0.00	23.16 -0.07 0.00	28.53 -0.18 0.00	28.95 -0.71 0.00	23.78 -0.86 0.00	20.50 -1.11 0.00	22.25 -0.99 0.00	20.00 -0.92 0.00	21.51 -1.03 0.00	23.89 -1.37 0.00	23.25 -1.43 0.00	21.48 -1.63 0.00	19.35 -1.41 0.00	20.13 -1.33 0.00	19.85 -1.37 0.00	19.71 -1.22 0.00	17.14 -1.00 0.00
MORTIMER_115KV_TB3 55949	17.38 -0.39 0.00	18.05 -0.31 0.00	18.27 -0.38 0.00	14.10 -0.31 0.00	13.60 -0.26 0.00	15.71 -0.21 0.00	19.77 -0.24 0.00	21.94 -0.38 0.00	22.88 -0.36 0.00	28.09 -0.62 0.00	28.83 -0.84 0.00	23.84 -0.81 0.00	20.77 -0.83 0.00	22.36 -0.89 0.00	20.06 -0.86 0.00	21.60 -0.94 0.00	24.05 -1.22 0.00	23.45 -1.23 0.00	21.91 -1.20 0.00	19.83 -0.92 0.00	20.54 -0.91 0.00	20.21 -1.00 0.00	20.01 -0.93 0.00	17.29 -0.85 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.80 0.79 0.00	23.32 1.00 0.00	24.37 1.14 0.00	30.04 1.33 0.00	31.07 1.40 0.00	26.00 1.35 0.00	22.90 1.30 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00



MUNSVILLE_WIND_PWR 323609	18.99 1.23 0.00	19.59 1.23 0.00	19.83 1.18 0.00	15.13 0.71 0.00	14.50 0.64 0.00	16.85 0.92 0.00	21.33 1.32 0.00	23.50 1.18 0.00	24.39 1.16 0.00	30.12 1.42 0.00	30.84 1.18 0.00	25.72 1.06 0.00	22.63 1.02 0.00	24.40 1.16 0.00	21.98 1.06 0.00	23.72 1.18 0.00	26.77 1.51 0.00	26.47 1.80 0.00	24.76 1.65 0.00	22.35 1.59 0.00	23.01 1.56 0.00	22.64 1.42 0.00	22.17 1.23 0.00	19.09 0.95 0.00
N SALMON___HYD 24042	17.61 -0.15 0.00	18.34 -0.02 0.00	18.99 0.34 0.00	14.77 0.36 0.00	14.29 0.43 0.00	16.40 0.47 0.00	20.51 0.50 0.00	22.91 0.59 0.00	23.87 0.64 0.00	29.90 1.19 0.00	31.17 1.51 0.00	25.62 0.97 0.00	22.04 0.43 0.00	23.20 -0.05 0.00	20.73 -0.19 0.00	22.32 -0.22 0.00	33.43 -0.55 -8.72	26.64 -0.56 -2.52	52.65 -0.39 -29.94	27.84 -0.06 -7.15	21.48 0.03 0.00	21.38 0.16 0.00	21.23 0.30 0.00	18.50 0.36 0.00
N.AKRON___115KV_KNAPP 355671	17.35 -0.41 0.00	18.09 -0.27 0.00	18.28 -0.37 0.00	14.10 -0.31 0.00	13.61 -0.24 0.00	15.75 -0.18 0.00	19.81 -0.20 0.00	21.92 -0.40 0.00	22.87 -0.36 0.00	28.02 -0.69 0.00	28.69 -0.98 0.00	23.67 -0.98 0.00	20.56 -1.05 0.00	22.11 -1.14 0.00	19.78 -1.14 0.00	21.28 -1.26 0.00	23.61 -1.65 0.00	23.01 -1.67 0.00	21.46 -1.65 0.00	19.51 -1.25 0.00	20.24 -1.21 0.00	19.87 -1.35 0.00	19.71 -1.22 0.00	16.99 -1.14 0.00
N.BELMOR_69_KV_BK1 55787	18.75 0.99 0.00	19.25 0.89 0.00	19.47 0.82 0.00	15.03 0.61 0.00	14.44 0.58 0.00	16.67 0.75 0.00	21.10 1.09 0.00	23.69 1.37 0.00	24.77 1.53 0.00	30.42 1.72 0.00	31.51 1.84 0.00	26.41 1.76 0.00	23.32 1.71 0.00	25.07 1.82 0.00	22.53 1.61 0.00	24.27 1.74 0.00	27.46 2.19 0.00	27.01 2.34 0.00	25.05 1.94 0.00	22.39 1.63 0.00	23.05 1.60 0.00	22.82 1.59 0.00	22.36 1.43 0.00	19.42 1.19 -0.09
N.E._GEN_SANDY PD 24062	18.11 0.34 0.00	18.63 0.27 0.00	18.87 0.22 0.00	14.59 0.18 0.00	14.02 0.16 0.00	16.12 0.19 0.00	20.15 0.31 0.16	22.99 0.48 -0.19	23.72 0.48 0.00	29.35 0.64 0.00	33.60 0.76 -3.18	25.40 0.75 0.00	22.40 0.79 0.00	24.16 0.92 0.00	21.61 0.83 0.14	23.51 0.97 0.00	26.44 1.16 -0.02	26.60 1.22 -0.71	22.63 0.88 1.36	21.41 0.65 0.00	22.15 0.69 0.00	21.95 0.73 0.00	21.52 0.59 0.00	18.60 0.46 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	18.41 0.65 0.00	18.96 0.60 0.00	19.18 0.53 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.46 0.00	20.71 0.69 0.00	23.20 0.88 0.00	24.23 1.00 0.00	29.90 1.20 0.00	30.88 1.22 0.00	25.81 1.16 0.00	22.72 1.12 0.00	24.46 1.21 0.00	22.04 1.12 0.00	23.75 1.22 0.00	26.80 1.54 0.00	26.38 1.70 0.00	24.49 1.39 0.00	21.88 1.12 0.00	22.58 1.13 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.88 0.74 0.00
N.QUEENS_27_KV_LOAD 356247	18.64 0.88 0.00	19.19 0.82 0.00	19.40 0.75 0.00	14.98 0.56 0.00	14.39 0.54 0.00	16.60 0.67 0.00	21.02 1.00 0.00	23.48 1.17 0.00	24.56 1.33 0.00	30.12 1.41 0.00	31.22 1.55 0.00	26.17 1.52 0.00	23.02 1.42 0.00	24.78 1.53 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.13 1.87 0.00	26.72 2.04 0.00	24.75 1.64 0.00	22.20 1.44 0.00	22.79 1.34 0.00	22.60 1.38 0.00	22.10 1.17 0.00	19.10 0.96 0.00
N.TROY___115KV_TB1 355778	18.06 0.30 0.00	18.60 0.23 0.00	18.84 0.19 0.00	14.58 0.16 0.00	14.01 0.16 0.00	16.12 0.20 0.00	20.32 0.31 0.00	22.79 0.47 0.00	23.70 0.46 0.00	29.34 0.63 0.00	30.40 0.74 0.00	25.30 0.65 0.00	22.28 0.67 0.00	24.04 0.79 0.00	21.65 0.73 0.00	23.39 0.85 0.00	26.25 0.99 0.00	25.71 1.03 0.00	23.87 0.75 0.00	21.32 0.57 0.00	22.06 0.61 0.00	21.85 0.62 0.00	21.46 0.52 0.00	18.55 0.41 0.00
NARROWS_GT1_1 24228	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_2 24229	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_3 24230	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_4 24231	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_5 24232	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_6 24233	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT1_7 24234	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00



NARROWS_GT1_8 24235	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NARROWS_GT2_1 24236	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_2 24237	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_3 24238	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_4 24239	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_5 24240	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_6 24241	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_7 24242	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NARROWS_GT2_8 24243	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.28 1.61 0.00	26.22 1.57 0.00	23.06 1.45 0.00	24.82 1.57 0.00	22.33 1.42 0.00	24.09 1.56 0.00	27.14 1.88 0.00	26.73 2.05 0.00	24.80 1.69 0.00	22.18 1.42 0.00	22.88 1.42 0.00	22.61 1.39 0.00	22.12 1.18 0.00	19.09 0.95 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	18.21 0.44 0.00	18.71 0.35 0.00	18.99 0.34 0.00	14.75 0.33 0.00	14.19 0.33 0.00	16.33 0.41 0.00	20.55 0.54 0.00	23.07 0.75 0.00	24.02 0.79 0.00	29.69 0.98 0.00	30.74 1.07 0.00	25.56 0.90 0.00	22.48 0.87 0.00	24.26 1.02 0.00	21.88 0.96 0.00	23.68 1.14 0.00	26.57 1.31 0.00	26.05 1.37 0.00	24.22 1.12 0.00	21.65 0.89 0.00	22.37 0.92 0.00	22.08 0.86 0.00	21.67 0.73 0.00	18.73 0.59 0.00
NCHELSEA_115KV_TR2 355582	18.51 0.75 0.00	19.05 0.69 0.00	19.28 0.63 0.00	14.89 0.48 0.00	14.30 0.44 0.00	16.48 0.55 0.00	20.83 0.82 0.00	23.35 1.03 0.00	24.37 1.14 0.00	30.08 1.38 0.00	31.10 1.43 0.00	26.01 1.36 0.00	22.91 1.31 0.00	24.69 1.43 0.00	22.23 1.31 0.00	23.96 1.42 0.00	27.02 1.76 0.00	26.58 1.90 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.75 1.30 0.00	22.49 1.28 0.00	22.03 1.10 0.00	19.01 0.87 0.00
NEG CAPITAL___MECHNVIL 23645	18.31 0.55 0.00	18.86 0.50 0.00	19.11 0.46 0.00	14.78 0.36 0.00	14.20 0.34 0.00	16.36 0.44 0.00	20.67 0.66 0.00	23.20 0.88 0.00	24.14 0.90 0.00	29.88 1.17 0.00	30.95 1.28 0.00	25.72 1.07 0.00	22.65 1.04 0.00	24.46 1.21 0.00	22.03 1.11 0.00	23.82 1.28 0.00	26.72 1.45 0.00	26.20 1.53 0.00	24.33 1.23 0.00	21.75 0.99 0.00	22.47 1.02 0.00	22.23 1.01 0.00	21.84 0.90 0.00	18.86 0.72 0.00
NEG CENTRAL_HIGH_ACRES 23767	17.13 -0.63 0.00	17.77 -0.59 0.00	18.00 -0.65 0.00	13.89 -0.52 0.00	13.39 -0.47 0.00	15.46 -0.46 0.00	19.47 -0.54 0.00	21.64 -0.68 0.00	22.56 -0.67 0.00	27.71 -0.99 0.00	28.44 -1.22 0.00	23.54 -1.11 0.00	20.55 -1.05 0.00	22.13 -1.12 0.00	19.86 -1.06 0.00	21.40 -1.14 0.00	23.88 -1.38 0.00	23.30 -1.38 0.00	21.77 -1.34 0.00	19.68 -1.09 0.00	20.35 -1.10 0.00	20.05 -1.18 0.00	19.82 -1.12 0.00	17.11 -1.03 0.00
NEG CENTRAL___DRP 24199	17.85 0.09 0.00	18.48 0.12 0.00	18.68 0.03 0.00	14.41 -0.01 0.00	13.82 -0.04 0.00	15.96 0.03 0.00	20.14 0.13 0.00	22.46 0.15 0.00	23.43 0.20 0.00	28.69 -0.02 0.00	29.31 -0.36 0.00	24.33 -0.32 0.00	21.29 -0.32 0.00	22.92 -0.33 0.00	20.61 -0.31 0.00	22.20 -0.34 0.00	24.83 -0.43 0.00	24.32 -0.36 0.00	22.72 -0.39 0.00	20.49 -0.26 0.00	21.15 -0.30 0.00	20.84 -0.38 0.00	20.55 -0.39 0.00	17.77 -0.37 0.00
NEG CENTRAL___INDECK 23768	17.99 0.23 0.00	18.72 0.36 0.00	18.85 0.19 0.00	14.47 0.06 0.00	13.87 0.01 0.00	16.01 0.09 0.00	20.20 0.19 0.00	22.51 0.19 0.00	23.49 0.26 0.00	28.79 0.09 0.00	29.46 -0.20 0.00	24.36 -0.29 0.00	21.15 -0.45 0.00	22.74 -0.51 0.00	20.40 -0.52 0.00	21.87 -0.67 0.00	24.54 -0.72 0.00	24.14 -0.54 0.00	22.51 -0.60 0.00	20.34 -0.42 0.00	21.08 -0.37 0.00	20.64 -0.58 0.00	20.34 -0.60 0.00	17.50 -0.64 0.00



NEG CENTRAL___SENECA 23627	17.80 0.04 0.00	18.45 0.08 0.00	18.62 -0.03 0.00	14.34 -0.07 0.00	13.77 -0.09 0.00	15.90 -0.02 0.00	20.05 0.05 0.00	22.40 0.08 0.00	23.36 0.13 0.00	28.69 -0.02 0.00	29.36 -0.30 0.00	24.38 -0.27 0.00	21.28 -0.33 0.00	22.92 -0.33 0.00	20.61 -0.31 0.00	22.18 -0.36 0.00	24.77 -0.50 0.00	24.29 -0.39 0.00	22.69 -0.42 0.00	20.50 -0.26 0.00	21.16 -0.29 0.00	20.81 -0.41 0.00	20.51 -0.42 0.00	17.73 -0.41 0.00
NEG CENTRAL___STATE_STREET 24147	18.06 0.30 0.00	18.66 0.30 0.00	18.89 0.24 0.00	14.59 0.18 0.00	13.97 0.12 0.00	16.11 0.19 0.00	20.40 0.39 0.00	22.68 0.36 0.00	23.69 0.46 0.00	28.95 0.25 0.00	29.54 -0.13 0.00	24.49 -0.16 0.00	21.51 -0.10 0.00	23.18 -0.06 0.00	20.80 -0.13 0.00	22.45 -0.09 0.00	25.18 -0.08 0.00	24.58 -0.10 0.00	23.00 -0.10 0.00	20.72 -0.04 0.00	21.34 -0.11 0.00	21.09 -0.13 0.00	20.80 -0.13 0.00	18.02 -0.13 0.00
NEG MILLWOOD___DRP 24198	18.57 0.81 0.00	19.12 0.75 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.34 0.48 0.00	16.53 0.60 0.00	20.89 0.88 0.00	23.43 1.11 0.00	24.46 1.23 0.00	30.19 1.48 0.00	31.22 1.55 0.00	26.11 1.46 0.00	23.02 1.42 0.00	24.78 1.54 0.00	22.32 1.41 0.00	24.07 1.53 0.00	27.16 1.89 0.00	26.70 2.02 0.00	24.79 1.68 0.00	22.15 1.39 0.00	22.84 1.39 0.00	22.59 1.37 0.00	22.11 1.17 0.00	19.08 0.94 0.00
NEG NORTH_FLCN_SEA 23793	17.31 -0.45 0.00	18.04 -0.32 0.00	18.76 0.11 0.00	14.64 0.22 0.00	14.18 0.33 0.00	16.35 0.43 0.00	20.47 0.45 0.00	22.84 0.52 0.00	23.81 0.57 0.00	30.10 1.39 0.00	31.56 1.90 0.00	25.92 1.27 0.00	22.23 0.62 0.00	23.23 -0.02 0.00	20.75 -0.17 0.00	22.31 -0.22 0.00	11.90 -0.64 12.73	20.34 -0.66 3.68	-21.08 -0.49 43.71	10.19 -0.13 10.43	21.42 -0.03 0.00	21.42 0.20 0.00	21.26 0.33 0.00	18.49 0.35 0.00
NEG NORTH_KES_CHATEGAY 23792	17.38 -0.38 0.00	18.12 -0.25 0.00	18.84 0.18 0.00	14.68 0.27 0.00	14.21 0.35 0.00	16.34 0.42 0.00	20.43 0.42 0.00	22.82 0.50 0.00	23.77 0.54 0.00	29.86 1.16 0.00	31.16 1.50 0.00	25.53 0.88 0.00	21.91 0.31 0.00	22.96 -0.29 0.00	20.52 -0.40 0.00	22.08 -0.46 0.00	10.84 -0.86 13.56	19.89 -0.86 3.92	-24.13 -0.67 46.57	9.35 -0.29 11.12	21.28 -0.18 0.00	21.25 0.03 0.00	21.08 0.14 0.00	18.35 0.20 0.00
NEG NORTH___ALICE_FALLS 23915	17.41 -0.35 0.00	18.14 -0.22 0.00	18.85 0.20 0.00	14.70 0.29 0.00	14.25 0.39 0.00	16.43 0.50 0.00	20.58 0.57 0.00	23.05 0.73 0.00	24.02 0.79 0.00	30.22 1.51 0.00	31.59 1.93 0.00	25.95 1.30 0.00	22.25 0.64 0.00	23.25 0.01 0.00	20.78 -0.14 0.00	22.35 -0.19 0.00	11.83 -0.57 12.86	20.39 -0.57 3.72	-21.45 -0.41 44.16	10.16 -0.05 10.54	21.50 0.04 0.00	21.48 0.25 0.00	21.30 0.36 0.00	18.52 0.38 0.00
NEG NORTH___LWR_SARANAC 23913	17.41 -0.35 0.00	18.14 -0.22 0.00	18.85 0.20 0.00	14.70 0.29 0.00	14.25 0.39 0.00	16.43 0.50 0.00	20.58 0.57 0.00	23.05 0.73 0.00	24.02 0.79 0.00	30.22 1.51 0.00	31.59 1.93 0.00	25.95 1.30 0.00	22.25 0.64 0.00	23.25 0.01 0.00	20.78 -0.14 0.00	22.35 -0.19 0.00	11.83 -0.57 12.86	20.39 -0.57 3.72	-21.45 -0.41 44.16	10.16 -0.05 10.54	21.50 0.04 0.00	21.48 0.25 0.00	21.30 0.36 0.00	18.52 0.38 0.00
NEG NORTH___PLATTSBURG 23628	17.41 -0.35 0.00	18.14 -0.22 0.00	18.85 0.20 0.00	14.70 0.29 0.00	14.25 0.39 0.00	16.43 0.50 0.00	20.58 0.57 0.00	23.05 0.73 0.00	24.02 0.79 0.00	30.22 1.51 0.00	31.59 1.93 0.00	25.95 1.30 0.00	22.25 0.64 0.00	23.25 0.01 0.00	20.78 -0.14 0.00	22.35 -0.19 0.00	11.83 -0.57 12.86	20.39 -0.57 3.72	-21.46 -0.41 44.16	10.16 -0.05 10.54	21.50 0.04 0.00	21.48 0.25 0.00	21.30 0.36 0.00	18.52 0.38 0.00
NEG WEST_LEA_LOCKPORT 23791	17.08 -0.68 0.00	17.83 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.46 0.00	15.48 -0.45 0.00	19.42 -0.59 0.00	21.43 -0.89 0.00	22.34 -0.89 0.00	27.35 -1.36 0.00	27.98 -1.68 0.00	23.09 -1.56 0.00	20.03 -1.58 0.00	21.54 -1.71 0.00	19.24 -1.68 0.00	20.71 -1.83 0.00	22.91 -2.35 0.00	22.28 -2.39 0.00	20.79 -2.32 0.00	18.94 -1.82 0.00	19.67 -1.78 0.00	19.32 -1.90 0.00	19.21 -1.73 0.00	16.58 -1.56 0.00
NEG WEST___LANCASTR 23811	17.92 0.16 0.00	18.67 0.31 0.00	18.83 0.18 0.00	14.51 0.10 0.00	13.98 0.12 0.00	16.14 0.22 0.00	20.28 0.26 0.00	22.49 0.17 0.00	23.45 0.22 0.00	28.76 0.05 0.00	29.37 -0.30 0.00	24.25 -0.40 0.00	21.06 -0.54 0.00	22.68 -0.56 0.00	20.34 -0.58 0.00	21.87 -0.67 0.00	24.22 -1.04 0.00	23.68 -1.00 0.00	22.09 -1.02 0.00	20.00 -0.76 0.00	20.76 -0.69 0.00	20.42 -0.80 0.00	20.31 -0.62 0.00	17.52 -0.62 0.00
NEG_PENN_ALLEGHNY 23528	17.79 0.03 0.00	18.41 0.05 0.00	18.63 -0.02 0.00	14.36 -0.05 0.00	13.80 -0.06 0.00	15.91 -0.02 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.28 0.05 0.00	28.71 0.01 0.00	29.49 -0.17 0.00	24.55 -0.10 0.00	21.49 -0.11 0.00	23.16 -0.09 0.00	20.88 -0.04 0.00	22.44 -0.10 0.00	25.16 -0.10 0.00	24.73 0.06 0.00	23.05 -0.06 0.00	20.70 -0.06 0.00	21.40 -0.05 0.00	21.11 -0.11 0.00	20.82 -0.12 0.00	17.97 -0.17 0.00
NEG___GEN_MONROE 24207	17.48 -0.28 0.00	18.17 -0.19 0.00	18.38 -0.27 0.00	14.19 -0.23 0.00	13.68 -0.17 0.00	15.82 -0.11 0.00	19.93 -0.09 0.00	22.12 -0.20 0.00	23.07 -0.17 0.00	28.30 -0.40 0.00	29.03 -0.63 0.00	23.99 -0.66 0.00	20.90 -0.71 0.00	22.50 -0.75 0.00	20.17 -0.75 0.00	21.72 -0.82 0.00	24.18 -1.08 0.00	23.60 -1.08 0.00	22.04 -1.07 0.00	19.96 -0.80 0.00	20.67 -0.79 0.00	20.33 -0.89 0.00	20.12 -0.81 0.00	17.37 -0.78 0.00
NEPA___ENERGY 23901	17.42 -0.34 0.00	18.14 -0.23 0.00	18.24 -0.41 0.00	14.03 -0.38 0.00	13.51 -0.34 0.00	15.64 -0.29 0.00	19.62 -0.39 0.00	21.81 -0.50 0.00	22.77 -0.47 0.00	27.99 -0.72 0.00	28.40 -1.27 0.00	23.53 -1.11 0.00	20.42 -1.18 0.00	22.05 -1.20 0.00	19.87 -1.05 0.00	21.27 -1.27 0.00	23.66 -1.61 0.00	23.29 -1.39 0.00	21.64 -1.47 0.00	19.49 -1.27 0.00	20.23 -1.23 0.00	19.90 -1.32 0.00	19.77 -1.17 0.00	17.03 -1.11 0.00
NEVERSINK___HYD 23608	18.63 0.87 0.00	19.26 0.90 0.00	19.50 0.85 0.00	15.05 0.63 0.00	14.45 0.59 0.00	16.66 0.74 0.00	21.08 1.07 0.00	23.62 1.31 0.00	24.65 1.42 0.00	30.42 1.71 0.00	31.38 1.72 0.00	26.23 1.58 0.00	23.10 1.49 0.00	24.89 1.64 0.00	22.39 1.47 0.00	24.09 1.56 0.00	27.25 1.99 0.00	26.82 2.14 0.00	24.94 1.83 0.00	22.29 1.54 0.00	23.00 1.55 0.00	22.73 1.51 0.00	22.26 1.32 0.00	19.19 1.05 0.00
NEWKRMKL_115KV_TB1 55635	17.85 0.09 0.00	18.34 -0.02 0.00	18.61 -0.04 0.00	14.45 0.03 0.00	13.89 0.04 0.00	15.98 0.05 0.00	20.04 0.03 0.00	22.46 0.14 0.00	23.38 0.14 0.00	28.91 0.20 0.00	29.94 0.28 0.00	24.94 0.29 0.00	21.96 0.35 0.00	23.67 0.43 0.00	21.35 0.43 0.00	23.02 0.48 0.00	25.87 0.61 0.00	25.34 0.66 0.00	23.55 0.45 0.00	21.06 0.29 0.00	21.76 0.31 0.00	21.53 0.31 0.00	21.15 0.21 0.00	18.32 0.18 0.00



NEWTON___FALLS_HYD 23847	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.37 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.66 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.26 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00
NGRID_A1_DSASP 323792	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.50 -2.17 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.88 -2.04 0.00	20.27 -2.27 0.00	22.30 -2.96 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.84 -2.39 0.00	18.75 -2.19 0.00	16.21 -1.93 0.00
NGRID_A2_DSASP 323793	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.50 -2.17 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.88 -2.04 0.00	20.27 -2.27 0.00	22.30 -2.96 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.84 -2.39 0.00	18.75 -2.19 0.00	16.21 -1.93 0.00
NGRID_A4_DSASP 323807	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.50 -2.17 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.88 -2.04 0.00	20.27 -2.27 0.00	22.30 -2.96 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.84 -2.39 0.00	18.75 -2.19 0.00	16.21 -1.93 0.00
NIAGARA_115E_LBMP 323715	16.78 -0.98 0.00	17.51 -0.85 0.00	17.70 -0.94 0.00	13.66 -0.76 0.00	13.18 -0.67 0.00	15.21 -0.72 0.00	19.07 -0.94 0.00	21.01 -1.31 0.00	21.90 -1.34 0.00	26.79 -1.92 0.00	27.45 -2.21 0.00	22.62 -2.03 0.00	19.64 -1.97 0.00	21.11 -2.14 0.00	18.85 -2.07 0.00	20.28 -2.26 0.00	22.42 -2.84 0.00	21.78 -2.90 0.00	20.32 -2.78 0.00	18.55 -2.21 0.00	19.26 -2.19 0.00	18.94 -2.29 0.00	18.84 -2.10 0.00	16.26 -1.88 0.00
NIAGARA_115W_LBMP 323714	16.78 -0.98 0.00	17.52 -0.85 0.00	17.71 -0.93 0.00	13.67 -0.75 0.00	13.19 -0.67 0.00	15.22 -0.70 0.00	19.07 -0.94 0.00	21.00 -1.32 0.00	21.88 -1.35 0.00	26.78 -1.93 0.00	27.44 -2.22 0.00	22.61 -2.04 0.00	19.61 -1.99 0.00	21.09 -2.16 0.00	18.83 -2.09 0.00	20.22 -2.32 0.00	22.24 -3.02 0.00	21.57 -3.11 0.00	20.14 -2.97 0.00	18.39 -2.37 0.00	19.10 -2.35 0.00	18.79 -2.44 0.00	18.70 -2.24 0.00	16.17 -1.97 0.00
NIAGARA_230_LBMP 323716	16.92 -0.84 0.00	17.66 -0.70 0.00	17.86 -0.80 0.00	13.77 -0.64 0.00	13.29 -0.57 0.00	15.34 -0.58 0.00	19.23 -0.78 0.00	21.20 -1.12 0.00	22.08 -1.15 0.00	27.04 -1.67 0.00	27.69 -1.98 0.00	22.81 -1.84 0.00	19.79 -1.82 0.00	21.29 -1.96 0.00	19.04 -1.88 0.00	20.47 -2.07 0.00	22.60 -2.66 0.00	21.95 -2.73 0.00	20.50 -2.61 0.00	18.68 -2.08 0.00	19.41 -2.04 0.00	19.09 -2.13 0.00	18.99 -1.94 0.00	16.41 -1.73 0.00
NIAGARA___115KV_198_GIBSON 55903	16.78 -0.98 0.00	17.52 -0.85 0.00	17.71 -0.94 0.00	13.67 -0.75 0.00	13.19 -0.67 0.00	15.22 -0.70 0.00	19.07 -0.94 0.00	21.00 -1.31 0.00	21.88 -1.35 0.00	26.77 -1.93 0.00	27.42 -2.25 0.00	22.61 -2.04 0.00	19.61 -1.99 0.00	21.09 -2.16 0.00	18.82 -2.10 0.00	20.21 -2.33 0.00	22.23 -3.03 0.00	21.57 -3.11 0.00	20.14 -2.97 0.00	18.39 -2.37 0.00	19.10 -2.35 0.00	18.78 -2.44 0.00	18.70 -2.24 0.00	16.18 -1.96 0.00
NIAGARA____ 23760	16.92 -0.84 0.00	17.66 -0.70 0.00	17.86 -0.80 0.00	13.77 -0.64 0.00	13.29 -0.57 0.00	15.34 -0.58 0.00	19.23 -0.78 0.00	21.20 -1.12 0.00	22.08 -1.15 0.00	27.04 -1.67 0.00	27.69 -1.98 0.00	22.81 -1.84 0.00	19.79 -1.82 0.00	21.29 -1.96 0.00	19.04 -1.88 0.00	20.47 -2.07 0.00	22.60 -2.66 0.00	21.95 -2.73 0.00	20.50 -2.61 0.00	18.68 -2.08 0.00	19.41 -2.04 0.00	19.09 -2.13 0.00	18.99 -1.94 0.00	16.41 -1.73 0.00
NINE_MILE_1 23575	17.23 -0.53 0.00	17.82 -0.54 0.00	18.08 -0.58 0.00	13.97 -0.45 0.00	13.44 -0.42 0.00	15.45 -0.48 0.00	19.37 -0.65 0.00	21.52 -0.80 0.00	22.40 -0.83 0.00	27.63 -1.08 0.00	28.49 -1.17 0.00	23.67 -0.98 0.00	20.77 -0.84 0.00	22.34 -0.91 0.00	20.13 -0.80 0.00	21.66 -0.87 0.00	24.26 -1.00 0.00	23.72 -0.96 0.00	22.19 -0.92 0.00	19.96 -0.79 0.00	20.62 -0.83 0.00	20.39 -0.83 0.00	20.18 -0.75 0.00	17.49 -0.65 0.00
NINE_MILE_2 23744	17.23 -0.53 0.00	17.82 -0.54 0.00	18.08 -0.57 0.00	13.97 -0.45 0.00	13.44 -0.42 0.00	15.45 -0.48 0.00	19.37 -0.64 0.00	21.52 -0.79 0.00	22.40 -0.83 0.00	27.63 -1.08 0.00	28.49 -1.17 0.00	23.67 -0.98 0.00	20.77 -0.84 0.00	22.34 -0.90 0.00	20.13 -0.79 0.00	21.66 -0.87 0.00	24.26 -1.00 0.00	23.72 -0.96 0.00	22.19 -0.92 0.00	19.97 -0.79 0.00	20.62 -0.83 0.00	20.40 -0.83 0.00	20.19 -0.75 0.00	17.49 -0.65 0.00
NM_CAPITAL___DRP 24208	17.88 0.12 0.00	18.38 0.02 0.00	18.64 -0.01 0.00	14.46 0.05 0.00	13.90 0.05 0.00	15.99 0.06 0.00	20.06 0.04 0.00	22.49 0.17 0.00	23.40 0.17 0.00	28.95 0.24 0.00	30.00 0.33 0.00	24.98 0.33 0.00	22.00 0.39 0.00	23.72 0.47 0.00	21.38 0.46 0.00	23.07 0.53 0.00	25.91 0.65 0.00	25.38 0.71 0.00	23.58 0.47 0.00	21.08 0.32 0.00	21.79 0.34 0.00	21.57 0.35 0.00	21.19 0.25 0.00	18.35 0.20 0.00
NM_CENTRAL___DRP 24181	17.58 -0.18 0.00	18.18 -0.18 0.00	18.42 -0.23 0.00	14.23 -0.19 0.00	13.68 -0.17 0.00	15.76 -0.16 0.00	19.80 -0.21 0.00	22.05 -0.27 0.00	22.96 -0.27 0.00	28.24 -0.47 0.00	29.03 -0.64 0.00	24.12 -0.52 0.00	21.16 -0.44 0.00	22.78 -0.47 0.00	20.52 -0.40 0.00	22.09 -0.45 0.00	24.75 -0.51 0.00	24.21 -0.47 0.00	22.61 -0.49 0.00	20.34 -0.42 0.00	21.04 -0.41 0.00	20.81 -0.41 0.00	20.57 -0.37 0.00	17.79 -0.35 0.00
NM_FRONTIER___DRP 24179	16.78 -0.98 0.00	17.52 -0.85 0.00	17.71 -0.94 0.00	13.67 -0.75 0.00	13.19 -0.67 0.00	15.22 -0.70 0.00	19.07 -0.94 0.00	21.00 -1.31 0.00	21.88 -1.35 0.00	26.77 -1.93 0.00	27.42 -2.25 0.00	22.61 -2.04 0.00	19.61 -1.99 0.00	21.09 -2.16 0.00	18.82 -2.10 0.00	20.21 -2.33 0.00	22.23 -3.03 0.00	21.57 -3.11 0.00	20.14 -2.97 0.00	18.39 -2.37 0.00	19.10 -2.35 0.00	18.78 -2.44 0.00	18.70 -2.24 0.00	16.18 -1.96 0.00
NM_ST_REGIS___HYD 24053	17.72 -0.05 0.00	18.43 0.07 0.00	18.92 0.27 0.00	14.66 0.25 0.00	14.13 0.28 0.00	16.11 0.18 0.00	20.12 0.11 0.00	22.45 0.13 0.00	23.34 0.11 0.00	29.07 0.37 0.00	30.21 0.55 0.00	24.98 0.33 0.00	21.62 0.02 0.00	23.04 -0.21 0.00	20.63 -0.29 0.00	22.18 -0.35 0.00	27.96 -0.66 -3.35	24.98 -0.67 -0.97	34.19 -0.44 -11.52	23.28 -0.23 -2.75	21.25 -0.21 0.00	21.09 -0.13 0.00	21.00 0.06 0.00	18.31 0.17 0.00



NORTHPORT___1 23551	18.78 1.02 0.00	19.27 0.91 0.00	19.52 0.87 0.00	15.06 0.65 0.00	14.48 0.62 0.00	16.73 0.80 0.00	21.15 1.14 0.00	23.72 1.41 0.00	24.78 1.54 0.00	30.39 1.68 0.00	31.48 1.82 0.00	26.40 1.75 0.00	23.31 1.71 0.00	25.01 1.76 0.00	22.52 1.60 0.00	24.20 1.67 0.00	27.39 2.13 0.00	26.89 2.21 0.00	24.89 1.78 0.00	22.24 1.48 0.00	22.86 1.41 0.00	22.69 1.46 0.00	22.29 1.35 0.00	19.46 1.22 -0.09
NORTHPORT___2 23552	18.78 1.02 0.00	19.27 0.91 0.00	19.52 0.87 0.00	15.06 0.65 0.00	14.48 0.62 0.00	16.73 0.80 0.00	21.15 1.14 0.00	23.72 1.41 0.00	24.78 1.54 0.00	30.39 1.68 0.00	31.48 1.82 0.00	26.40 1.75 0.00	23.31 1.71 0.00	25.01 1.76 0.00	22.52 1.60 0.00	24.20 1.67 0.00	27.39 2.13 0.00	26.89 2.21 0.00	24.89 1.78 0.00	22.24 1.48 0.00	22.86 1.41 0.00	22.69 1.46 0.00	22.29 1.35 0.00	19.46 1.22 -0.09
NORTHPORT___3 23553	18.64 0.88 0.00	19.13 0.77 0.00	19.36 0.71 0.00	14.95 0.53 0.00	14.36 0.50 0.00	16.57 0.64 0.00	20.94 0.93 0.00	23.48 1.17 0.00	24.50 1.27 0.00	30.16 1.45 0.00	31.27 1.60 0.00	26.21 1.56 0.00	23.15 1.54 0.00	24.87 1.62 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.17 1.91 0.00	26.64 1.96 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.69 1.23 0.00	22.51 1.29 0.00	22.13 1.19 0.00	19.32 1.08 -0.09
NORTHPORT___4 23650	18.64 0.88 0.00	19.13 0.77 0.00	19.36 0.71 0.00	14.95 0.53 0.00	14.36 0.50 0.00	16.57 0.64 0.00	20.94 0.93 0.00	23.48 1.17 0.00	24.50 1.27 0.00	30.16 1.45 0.00	31.27 1.60 0.00	26.21 1.56 0.00	23.15 1.54 0.00	24.87 1.62 0.00	22.36 1.44 0.00	24.07 1.53 0.00	27.17 1.91 0.00	26.64 1.96 0.00	24.68 1.57 0.00	22.05 1.29 0.00	22.69 1.23 0.00	22.51 1.29 0.00	22.13 1.19 0.00	19.32 1.08 -0.09
NORTHPORT___IC 23718	18.78 1.02 0.00	19.27 0.91 0.00	19.52 0.87 0.00	15.06 0.65 0.00	14.48 0.62 0.00	16.73 0.80 0.00	21.15 1.14 0.00	23.72 1.41 0.00	24.78 1.54 0.00	30.39 1.68 0.00	31.48 1.82 0.00	26.40 1.75 0.00	23.31 1.71 0.00	25.01 1.76 0.00	22.52 1.60 0.00	24.20 1.67 0.00	27.39 2.13 0.00	26.89 2.21 0.00	24.89 1.78 0.00	22.24 1.48 0.00	22.86 1.41 0.00	22.69 1.46 0.00	22.29 1.35 0.00	19.46 1.22 -0.09
NORTH___COUNTRY_ESR 323785	17.31 -0.46 0.00	18.04 -0.32 0.00	18.77 0.12 0.00	14.63 0.21 0.00	14.16 0.30 0.00	16.29 0.36 0.00	20.36 0.34 0.00	22.72 0.40 0.00	23.69 0.46 0.00	29.74 1.04 0.00	31.04 1.38 0.00	25.47 0.82 0.00	21.84 0.24 0.00	22.87 -0.37 0.00	20.43 -0.49 0.00	21.99 -0.55 0.00	10.72 -0.97 13.58	19.74 -1.01 3.93	-24.32 -0.79 46.63	9.23 -0.40 11.13	21.17 -0.28 0.00	21.14 -0.08 0.00	20.99 0.05 0.00	18.27 0.13 0.00
NPX_GEN_1385_PROXY 323591	18.68 0.92 0.00	19.08 0.71 0.00	19.42 0.78 0.00	14.99 0.57 0.00	14.41 0.55 0.00	16.70 0.78 0.00	21.12 1.11 0.00	23.64 1.32 0.00	24.64 1.41 0.00	30.13 1.43 0.00	31.17 1.50 0.00	26.19 1.54 0.00	23.04 1.44 0.00	24.44 1.19 0.00	22.17 1.25 0.00	23.69 1.15 0.00	27.06 1.51 -0.29	26.39 1.71 0.00	24.47 1.23 -0.14	21.73 0.97 0.00	22.26 0.81 0.00	22.16 0.89 -0.05	21.83 0.89 0.00	19.20 0.96 -0.09
NPX_GEN_CSC 323557	18.83 1.07 0.00	19.38 1.02 0.00	19.61 0.96 0.00	15.13 0.72 0.00	14.56 0.70 0.00	16.77 0.84 0.00	21.20 1.18 0.00	23.84 1.52 0.00	24.93 1.70 0.00	30.19 1.48 0.00	31.16 1.49 0.00	26.12 1.47 0.00	23.11 1.51 0.00	24.86 1.61 0.00	22.36 1.44 0.00	24.02 1.48 0.00	27.54 1.99 -0.29	26.84 2.16 0.00	24.99 1.75 -0.14	22.19 1.43 0.00	22.80 1.34 0.00	22.69 1.42 -0.05	22.29 1.36 0.00	19.56 1.32 -0.09
NSINS_S_GLNS_FALLS 23858	18.46 0.70 0.00	19.01 0.65 0.00	19.22 0.57 0.00	14.86 0.45 0.00	14.25 0.39 0.00	16.47 0.54 0.00	20.90 0.88 0.00	23.50 1.19 0.00	24.46 1.23 0.00	30.28 1.57 0.00	31.34 1.67 0.00	26.04 1.39 0.00	22.97 1.37 0.00	24.94 1.69 0.00	22.41 1.49 0.00	24.24 1.70 0.00	27.08 1.82 0.00	26.61 1.93 0.00	24.70 1.59 0.00	22.05 1.29 0.00	22.74 1.28 0.00	22.53 1.31 0.00	22.14 1.21 0.00	19.11 0.97 0.00
NUCOR_STEEL___DRP 24197	18.07 0.31 0.00	18.67 0.30 0.00	18.90 0.25 0.00	14.60 0.19 0.00	13.98 0.12 0.00	16.12 0.19 0.00	20.41 0.40 0.00	22.67 0.35 0.00	23.68 0.44 0.00	28.90 0.20 0.00	29.44 -0.22 0.00	24.42 -0.23 0.00	21.48 -0.13 0.00	23.16 -0.09 0.00	20.76 -0.16 0.00	22.41 -0.13 0.00	25.16 -0.10 0.00	24.54 -0.14 0.00	22.99 -0.12 0.00	20.68 -0.07 0.00	21.31 -0.14 0.00	21.06 -0.16 0.00	20.79 -0.14 0.00	18.02 -0.13 0.00
NUMBER_THREE_WT_PWR 323818	17.36 -0.40 0.00	18.24 -0.13 0.00	18.60 -0.05 0.00	14.28 -0.13 0.00	13.88 0.03 0.00	16.02 0.10 0.00	20.00 -0.02 0.00	22.30 -0.02 0.00	23.06 -0.18 0.00	28.55 -0.16 0.00	29.50 -0.16 0.00	24.20 -0.45 0.00	21.05 -0.55 0.00	22.68 -0.57 0.00	20.31 -0.61 0.00	21.72 -0.82 0.00	24.92 -0.93 -0.59	24.09 -0.76 -0.17	24.63 -0.50 -2.02	20.73 -0.51 -0.48	20.67 -0.78 0.00	20.52 -0.70 0.00	20.64 -0.30 0.00	17.96 -0.18 0.00
NYISO_LBMP_REFERENCE 24008	17.76 0.00 0.00	18.36 0.00 0.00	18.65 0.00 0.00	14.42 0.00 0.00	13.86 0.00 0.00	15.92 0.00 0.00	20.01 0.00 0.00	22.32 0.00 0.00	23.23 0.00 0.00	28.71 0.00 0.00	29.67 0.00 0.00	24.65 0.00 0.00	21.60 0.00 0.00	23.25 0.00 0.00	20.92 0.00 0.00	22.53 0.00 0.00	25.26 0.00 0.00	24.68 0.00 0.00	23.11 0.00 0.00	20.76 0.00 0.00	21.45 0.00 0.00	21.22 0.00 0.00	20.94 0.00 0.00	18.14 0.00 0.00
NYPA_BRENTWD___GT 24164	18.93 1.17 0.00	19.43 1.07 0.00	19.67 1.02 0.00	15.17 0.76 0.00	14.59 0.73 0.00	16.86 0.93 0.00	21.35 1.33 0.00	23.98 1.66 0.00	25.09 1.85 0.00	30.75 2.04 0.00	31.79 2.13 0.00	26.65 2.00 0.00	23.55 1.95 0.00	25.30 2.05 0.00	22.75 1.83 0.00	24.47 1.93 0.00	27.73 2.46 0.00	27.27 2.59 0.00	25.25 2.14 0.00	22.56 1.80 0.00	23.19 1.73 0.00	22.99 1.77 0.00	22.55 1.62 0.00	19.66 1.43 -0.09
NYPA_GOWANUS___GT5 24156	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00
NYPA_GOWANUS___GT6 24157	18.63 0.87 0.00	19.16 0.80 0.00	19.38 0.72 0.00	14.96 0.54 0.00	14.36 0.51 0.00	16.56 0.64 0.00	21.02 1.00 -0.01	23.50 1.18 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.46 0.00	22.22 1.30 0.00	23.97 1.44 0.00	26.99 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.32 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00



NYPA_HARLEM__RVR__GT1 24160	18.60 0.84 0.00	19.14 0.77 0.00	19.35 0.70 0.00	14.94 0.53 0.00	14.36 0.50 0.00	16.56 0.63 0.00	20.97 0.95 0.00	23.46 1.14 0.00	24.51 1.27 0.00	30.05 1.34 0.00	31.13 1.47 0.00	26.10 1.45 0.00	22.96 1.36 0.00	24.70 1.45 0.00	22.27 1.35 0.00	24.00 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.11 1.35 0.00	22.74 1.29 0.00	22.53 1.31 0.00	22.04 1.11 0.00	19.05 0.91 0.00
NYPA_HARLEM__RVR__GT2 24161	18.60 0.84 0.00	19.14 0.77 0.00	19.35 0.70 0.00	14.94 0.53 0.00	14.36 0.50 0.00	16.56 0.63 0.00	20.97 0.95 0.00	23.46 1.14 0.00	24.51 1.27 0.00	30.05 1.34 0.00	31.13 1.47 0.00	26.10 1.45 0.00	22.96 1.36 0.00	24.70 1.45 0.00	22.27 1.35 0.00	24.00 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.11 1.35 0.00	22.74 1.29 0.00	22.53 1.31 0.00	22.04 1.11 0.00	19.05 0.91 0.00
NYPA_KENT____GT 24152	18.62 0.85 0.00	19.15 0.79 0.00	19.37 0.72 0.00	14.95 0.54 0.00	14.35 0.50 0.00	16.54 0.62 0.00	20.96 0.95 0.00	23.46 1.14 0.00	24.53 1.29 0.00	30.21 1.49 0.00	31.23 1.56 0.00	26.15 1.50 0.00	23.00 1.40 0.00	24.74 1.49 0.00	22.27 1.35 0.00	24.02 1.48 0.00	27.07 1.81 0.00	26.65 1.97 0.00	24.73 1.62 0.00	22.10 1.34 0.00	22.80 1.34 0.00	22.55 1.33 0.00	22.06 1.13 0.00	19.05 0.91 0.00
NYPA_POUCH1____GT 24155	18.63 0.87 0.00	19.17 0.80 0.00	19.38 0.73 0.00	14.97 0.55 0.00	14.37 0.51 0.00	16.58 0.65 0.00	21.01 1.00 -0.01	23.44 1.13 0.00	24.54 1.29 -0.01	30.18 1.47 0.00	31.19 1.53 0.00	26.09 1.44 0.00	22.95 1.35 0.00	24.73 1.48 0.00	22.24 1.32 0.00	23.99 1.46 0.00	27.02 1.75 0.00	26.62 1.94 0.00	24.71 1.60 0.00	22.10 1.34 0.00	22.80 1.35 0.00	22.53 1.31 0.00	22.04 1.10 0.00	19.02 0.88 0.00
NYPA_VERNON____GT2 24162	18.61 0.85 0.00	19.14 0.78 0.00	19.36 0.71 0.00	14.94 0.53 0.00	14.34 0.49 0.00	16.52 0.59 0.00	20.91 0.89 0.00	23.41 1.09 0.00	24.48 1.24 0.00	30.14 1.44 0.00	31.18 1.51 0.00	26.08 1.43 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.02 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.02 0.88 0.00
NYPA_VERNON____GT3 24163	18.61 0.85 0.00	19.14 0.78 0.00	19.36 0.71 0.00	14.94 0.53 0.00	14.34 0.49 0.00	16.52 0.59 0.00	20.91 0.89 0.00	23.41 1.09 0.00	24.48 1.24 0.00	30.14 1.44 0.00	31.18 1.51 0.00	26.08 1.43 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.02 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.02 0.88 0.00
NYPA__ASTORIA_CC1 323568	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.38 1.06 0.00	24.43 1.20 0.00	30.08 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.92 1.31 0.00	24.62 1.37 0.00	22.17 1.25 0.00	23.91 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	21.99 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.01 0.87 0.00
NYPA__ASTORIA_CC2 323569	18.60 0.84 0.00	19.13 0.77 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.33 0.47 0.00	16.50 0.58 0.00	20.87 0.86 0.00	23.38 1.06 0.00	24.43 1.20 0.00	30.08 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.92 1.31 0.00	24.62 1.37 0.00	22.17 1.25 0.00	23.91 1.38 0.00	26.95 1.69 0.00	26.53 1.85 0.00	24.60 1.49 0.00	21.99 1.24 0.00	22.69 1.24 0.00	22.46 1.24 0.00	21.99 1.05 0.00	19.01 0.87 0.00
NYPA__HOLTSVILL 23794	18.82 1.06 0.00	19.33 0.97 0.00	19.57 0.92 0.00	15.10 0.68 0.00	14.52 0.66 0.00	16.76 0.83 0.00	21.21 1.20 0.00	23.84 1.52 0.00	24.93 1.69 0.00	30.46 1.76 0.00	31.49 1.82 0.00	26.38 1.74 0.00	23.33 1.73 0.00	25.08 1.83 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.47 2.21 0.00	27.03 2.35 0.00	25.03 1.92 0.00	22.36 1.60 0.00	22.97 1.52 0.00	22.81 1.59 0.00	22.39 1.46 0.00	19.55 1.32 -0.09
NYPA__HELLGATE_GT1 24158	18.60 0.84 0.00	19.14 0.77 0.00	19.35 0.70 0.00	14.94 0.53 0.00	14.36 0.50 0.00	16.56 0.63 0.00	20.97 0.95 0.00	23.46 1.14 0.00	24.51 1.27 0.00	30.05 1.34 0.00	31.13 1.47 0.00	26.10 1.45 0.00	22.96 1.36 0.00	24.70 1.45 0.00	22.27 1.35 0.00	24.00 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.11 1.35 0.00	22.74 1.29 0.00	22.53 1.31 0.00	22.04 1.11 0.00	19.05 0.91 0.00
NYPA__HELLGATE_GT2 24159	18.60 0.84 0.00	19.14 0.77 0.00	19.35 0.70 0.00	14.94 0.53 0.00	14.36 0.50 0.00	16.56 0.63 0.00	20.97 0.95 0.00	23.46 1.14 0.00	24.51 1.27 0.00	30.05 1.34 0.00	31.13 1.47 0.00	26.10 1.45 0.00	22.96 1.36 0.00	24.70 1.45 0.00	22.27 1.35 0.00	24.00 1.47 0.00	27.05 1.79 0.00	26.65 1.97 0.00	24.69 1.58 0.00	22.11 1.35 0.00	22.74 1.29 0.00	22.53 1.31 0.00	22.04 1.11 0.00	19.05 0.91 0.00
NYS_BARGE__HYD 23848	17.08 -0.68 0.00	17.82 -0.54 0.00	18.01 -0.64 0.00	13.89 -0.53 0.00	13.40 -0.45 0.00	15.48 -0.44 0.00	19.43 -0.58 0.00	21.45 -0.87 0.00	22.36 -0.87 0.00	27.37 -1.33 0.00	28.04 -1.63 0.00	23.11 -1.54 0.00	20.06 -1.55 0.00	21.57 -1.68 0.00	19.28 -1.64 0.00	20.74 -1.80 0.00	22.96 -2.31 0.00	22.32 -2.35 0.00	20.82 -2.29 0.00	18.98 -1.78 0.00	19.70 -1.75 0.00	19.36 -1.86 0.00	19.23 -1.70 0.00	16.59 -1.55 0.00
OAK ORCHARD__HYD 24046	17.38 -0.38 0.00	18.05 -0.31 0.00	18.27 -0.38 0.00	14.10 -0.31 0.00	13.60 -0.26 0.00	15.71 -0.21 0.00	19.77 -0.24 0.00	21.94 -0.38 0.00	22.88 -0.36 0.00	28.09 -0.61 0.00	28.84 -0.83 0.00	23.84 -0.81 0.00	20.77 -0.83 0.00	22.36 -0.89 0.00	20.07 -0.85 0.00	21.60 -0.94 0.00	24.05 -1.22 0.00	23.45 -1.23 0.00	21.91 -1.20 0.00	19.83 -0.92 0.00	20.54 -0.91 0.00	20.21 -1.01 0.00	20.01 -0.93 0.00	17.28 -0.86 0.00
OAKDALE__35_KV_LOAD 356122	17.77 0.01 0.00	18.39 0.03 0.00	18.61 -0.05 0.00	14.34 -0.07 0.00	13.79 -0.07 0.00	15.88 -0.04 0.00	19.98 -0.03 0.00	22.29 -0.03 0.00	23.23 0.00 0.00	28.65 -0.06 0.00	29.43 -0.23 0.00	24.50 -0.15 0.00	21.45 -0.15 0.00	23.11 -0.14 0.00	20.83 -0.09 0.00	22.39 -0.14 0.00	25.11 -0.16 0.00	24.67 -0.01 0.00	22.99 -0.11 0.00	20.65 -0.11 0.00	21.34 -0.11 0.00	21.06 -0.16 0.00	20.79 -0.15 0.00	17.95 -0.19 0.00
OCC_CHEM__DRP 24175	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.48 -2.19 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.86 -2.06 0.00	20.27 -2.27 0.00	22.29 -2.97 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.83 -2.39 0.00	18.75 -2.18 0.00	16.22 -1.92 0.00



OH_GEN_PROXY 24063	16.94 -0.82 0.00	17.68 -0.68 0.00	17.88 -0.78 0.00	13.79 -0.62 0.00	13.30 -0.55 0.00	15.36 -0.56 0.00	19.26 -0.76 0.00	21.25 -1.06 0.00	22.15 -1.09 0.00	27.13 -1.58 0.00	27.76 -1.90 0.00	22.88 -1.77 0.00	19.84 -1.76 0.00	32.90 -1.88 -11.53	32.15 -1.80 -13.03	38.05 -1.99 -17.50	23.00 -2.56 -0.29	22.05 -2.63 0.00	24.79 -2.52 -4.19	18.76 -2.00 0.00	31.46 -1.96 -11.97	30.35 -2.04 -11.16	27.13 -1.87 -8.06	25.24 -1.67 -8.76
OLIN_CORP_DRP 24177	16.81 -0.95 0.00	17.55 -0.81 0.00	17.74 -0.91 0.00	13.68 -0.73 0.00	13.21 -0.65 0.00	15.24 -0.69 0.00	19.10 -0.91 0.00	21.06 -1.26 0.00	21.94 -1.30 0.00	26.84 -1.87 0.00	27.48 -2.18 0.00	22.67 -1.98 0.00	19.68 -1.93 0.00	21.16 -2.09 0.00	18.88 -2.04 0.00	20.32 -2.22 0.00	22.48 -2.79 0.00	21.83 -2.85 0.00	20.37 -2.74 0.00	18.58 -2.17 0.00	19.30 -2.15 0.00	18.98 -2.25 0.00	18.88 -2.06 0.00	16.31 -1.83 0.00
OLIN_CORP_DSASP 323712	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.50 -2.17 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.88 -2.04 0.00	20.27 -2.27 0.00	22.30 -2.96 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.84 -2.39 0.00	18.75 -2.19 0.00	16.21 -1.93 0.00
ONEIDA_HERK_LFGE 323681	17.82 0.06 0.00	18.54 0.18 0.00	18.85 0.19 0.00	14.52 0.11 0.00	14.03 0.17 0.00	16.18 0.25 0.00	20.34 0.32 0.00	22.70 0.38 0.00	23.60 0.37 0.00	29.17 0.47 0.00	30.12 0.46 0.00	24.91 0.26 0.00	21.78 0.18 0.00	23.46 0.22 0.00	21.09 0.17 0.00	22.63 0.10 0.00	25.69 0.15 -0.28	24.99 0.23 -0.08	24.34 0.27 -0.96	21.20 0.21 -0.23	21.55 0.09 0.00	21.31 0.09 0.00	21.15 0.21 0.00	18.33 0.19 0.00
ONEIDA___115KV_TB4 55905	18.10 0.34 0.00	18.77 0.41 0.00	19.03 0.38 0.00	14.68 0.27 0.00	14.14 0.28 0.00	16.31 0.38 0.00	20.57 0.56 0.00	22.95 0.64 0.00	23.90 0.67 0.00	29.49 0.79 0.00	30.41 0.75 0.00	25.25 0.60 0.00	22.12 0.52 0.00	23.83 0.58 0.00	21.46 0.54 0.00	23.07 0.54 0.00	25.92 0.66 0.00	25.37 0.69 0.00	23.71 0.60 0.00	21.27 0.51 0.00	21.93 0.48 0.00	21.66 0.44 0.00	21.36 0.43 0.00	18.46 0.32 0.00
ONONDAGA_REF_OCCRA 23987	17.72 -0.04 0.00	18.32 -0.04 0.00	18.56 -0.09 0.00	14.33 -0.08 0.00	13.79 -0.07 0.00	15.88 -0.05 0.00	19.97 -0.04 0.00	22.25 -0.07 0.00	23.17 -0.07 0.00	28.50 -0.20 0.00	29.28 -0.38 0.00	24.34 -0.31 0.00	21.35 -0.26 0.00	22.98 -0.27 0.00	20.70 -0.22 0.00	22.27 -0.26 0.00	24.97 -0.29 0.00	24.45 -0.23 0.00	22.84 -0.27 0.00	20.53 -0.22 0.00	21.23 -0.22 0.00	20.98 -0.24 0.00	20.72 -0.22 0.00	17.92 -0.22 0.00
ONONDAGA___COGEN 23986	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
ONTARIO___LFGE 23819	17.80 0.04 0.00	18.45 0.08 0.00	18.62 -0.03 0.00	14.34 -0.07 0.00	13.77 -0.09 0.00	15.90 -0.02 0.00	20.06 0.05 0.00	22.40 0.08 0.00	23.36 0.13 0.00	28.69 -0.02 0.00	29.37 -0.30 0.00	24.38 -0.27 0.00	21.28 -0.33 0.00	22.92 -0.33 0.00	20.62 -0.30 0.00	22.18 -0.36 0.00	24.77 -0.50 0.00	24.29 -0.38 0.00	22.69 -0.42 0.00	20.50 -0.26 0.00	21.16 -0.29 0.00	20.81 -0.41 0.00	20.51 -0.43 0.00	17.73 -0.41 0.00
ORANGEVILLE_WT_PWR 323706	17.43 -0.33 0.00	18.15 -0.21 0.00	18.23 -0.42 0.00	14.00 -0.42 0.00	13.39 -0.47 0.00	15.40 -0.52 0.00	19.33 -0.68 0.00	21.40 -0.91 0.00	22.32 -0.91 0.00	27.36 -1.35 0.00	28.01 -1.65 0.00	23.16 -1.49 0.00	20.09 -1.51 0.00	21.54 -1.71 0.00	19.29 -1.63 0.00	20.78 -1.75 0.00	23.07 -2.19 0.00	22.60 -2.08 0.00	21.05 -2.06 0.00	19.08 -1.68 0.00	19.81 -1.65 0.00	19.42 -1.80 0.00	19.17 -1.77 0.00	16.51 -1.63 0.00
ORANGEVILLE___ESR 323794	17.43 -0.33 0.00	18.15 -0.21 0.00	18.23 -0.42 0.00	14.00 -0.42 0.00	13.39 -0.47 0.00	15.40 -0.52 0.00	19.33 -0.68 0.00	21.40 -0.91 0.00	22.32 -0.91 0.00	27.36 -1.35 0.00	28.01 -1.65 0.00	23.16 -1.49 0.00	20.09 -1.51 0.00	21.54 -1.71 0.00	19.29 -1.63 0.00	20.78 -1.75 0.00	23.07 -2.19 0.00	22.60 -2.08 0.00	21.05 -2.06 0.00	19.08 -1.68 0.00	19.81 -1.65 0.00	19.42 -1.80 0.00	19.17 -1.77 0.00	16.51 -1.63 0.00
OSWEGATCHIE___HYD 24044	17.37 -0.39 0.00	18.16 -0.21 0.00	18.55 -0.10 0.00	14.30 -0.11 0.00	13.83 -0.03 0.00	15.83 -0.09 0.00	19.78 -0.24 0.00	22.06 -0.25 0.00	22.88 -0.36 0.00	28.37 -0.34 0.00	29.36 -0.30 0.00	24.21 -0.44 0.00	21.03 -0.57 0.00	22.59 -0.65 0.00	20.23 -0.69 0.00	21.71 -0.83 0.00	25.56 -1.04 -1.34	24.10 -0.96 -0.39	26.99 -0.71 -4.59	21.25 -0.60 -1.10	20.73 -0.73 0.00	20.55 -0.67 0.00	20.55 -0.39 0.00	17.90 -0.24 0.00
OSWEGO___5 23606	17.34 -0.42 0.00	17.93 -0.43 0.00	18.19 -0.46 0.00	14.05 -0.36 0.00	13.52 -0.34 0.00	15.55 -0.38 0.00	19.50 -0.51 0.00	21.68 -0.64 0.00	22.57 -0.66 0.00	27.85 -0.86 0.00	28.72 -0.95 0.00	23.86 -0.79 0.00	20.92 -0.68 0.00	22.52 -0.73 0.00	20.28 -0.64 0.00	21.83 -0.71 0.00	24.45 -0.81 0.00	23.92 -0.77 0.00	22.36 -0.75 0.00	20.12 -0.64 0.00	20.78 -0.67 0.00	20.55 -0.67 0.00	20.32 -0.62 0.00	17.60 -0.54 0.00
OSWEGO___6 23613	17.34 -0.42 0.00	17.93 -0.43 0.00	18.19 -0.46 0.00	14.05 -0.36 0.00	13.52 -0.34 0.00	15.55 -0.38 0.00	19.50 -0.51 0.00	21.68 -0.64 0.00	22.57 -0.66 0.00	27.85 -0.86 0.00	28.72 -0.95 0.00	23.86 -0.79 0.00	20.92 -0.68 0.00	22.52 -0.73 0.00	20.28 -0.64 0.00	21.83 -0.71 0.00	24.45 -0.81 0.00	23.92 -0.77 0.00	22.36 -0.75 0.00	20.12 -0.64 0.00	20.78 -0.67 0.00	20.55 -0.67 0.00	20.32 -0.62 0.00	17.60 -0.54 0.00
OUTOKUMPU-AB___DRP 24206	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.53 -0.33 0.00	15.63 -0.30 0.00	19.61 -0.40 0.00	21.64 -0.68 0.00	22.57 -0.67 0.00	27.67 -1.04 0.00	28.29 -1.37 0.00	23.35 -1.30 0.00	20.26 -1.34 0.00	21.78 -1.46 0.00	19.47 -1.45 0.00	20.93 -1.61 0.00	23.14 -2.12 0.00	22.52 -2.15 0.00	21.00 -2.11 0.00	19.13 -1.63 0.00	19.86 -1.59 0.00	19.52 -1.71 0.00	19.38 -1.55 0.00	16.73 -1.41 0.00
OXBOW___BTM 323836	17.08 -0.68 0.00	17.82 -0.54 0.00	18.02 -0.64 0.00	13.89 -0.52 0.00	13.41 -0.45 0.00	15.48 -0.44 0.00	19.42 -0.60 0.00	21.41 -0.91 0.00	22.32 -0.91 0.00	27.34 -1.37 0.00	27.98 -1.69 0.00	23.08 -1.57 0.00	20.03 -1.58 0.00	21.53 -1.72 0.00	19.23 -1.69 0.00	20.67 -1.87 0.00	22.80 -2.46 0.00	22.16 -2.51 0.00	20.68 -2.42 0.00	18.85 -1.91 0.00	19.58 -1.88 0.00	19.24 -1.98 0.00	19.13 -1.81 0.00	16.53 -1.61 0.00



OXBOW____ 24026	17.08 -0.68 0.00	17.82 -0.54 0.00	18.02 -0.63 0.00	13.90 -0.52 0.00	13.41 -0.45 0.00	15.49 -0.44 0.00	19.42 -0.59 0.00	21.41 -0.91 0.00	22.32 -0.91 0.00	27.34 -1.36 0.00	28.00 -1.67 0.00	23.08 -1.57 0.00	20.03 -1.58 0.00	21.53 -1.71 0.00	19.25 -1.67 0.00	20.68 -1.86 0.00	22.81 -2.46 0.00	22.17 -2.51 0.00	20.68 -2.43 0.00	18.85 -1.90 0.00	19.58 -1.88 0.00	19.24 -1.98 0.00	19.13 -1.81 0.00	16.52 -1.62 0.00
OXY_CHEM_DSASP 323612	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.48 -2.19 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.86 -2.06 0.00	20.27 -2.27 0.00	22.29 -2.97 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.83 -2.39 0.00	18.75 -2.18 0.00	16.22 -1.92 0.00
OZONE_PARK_ESR 323760	18.70 0.94 0.00	19.23 0.86 0.00	19.44 0.79 0.00	15.00 0.59 0.00	14.40 0.54 0.00	16.60 0.67 0.00	20.98 0.97 0.00	23.53 1.21 0.00	24.60 1.37 0.00	30.32 1.61 0.00	31.36 1.70 0.00	26.25 1.60 0.00	23.13 1.53 0.00	24.89 1.64 0.00	22.41 1.49 0.00	24.16 1.62 0.00	27.23 1.96 0.00	26.80 2.13 0.00	24.87 1.77 0.00	22.23 1.47 0.00	22.93 1.48 0.00	22.67 1.45 0.00	22.17 1.23 0.00	19.15 1.01 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.48 -2.19 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.86 -2.06 0.00	20.27 -2.27 0.00	22.29 -2.97 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.83 -2.39 0.00	18.75 -2.18 0.00	16.22 -1.92 0.00
PACKARD__115KV_DUPONT_184 80571	16.81 -0.95 0.00	17.56 -0.81 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.11 -0.90 0.00	21.05 -1.27 0.00	21.93 -1.30 0.00	26.84 -1.87 0.00	27.48 -2.19 0.00	22.66 -1.99 0.00	19.66 -1.95 0.00	21.14 -2.11 0.00	18.86 -2.06 0.00	20.27 -2.27 0.00	22.29 -2.97 0.00	21.63 -3.05 0.00	20.20 -2.91 0.00	18.44 -2.32 0.00	19.15 -2.30 0.00	18.83 -2.39 0.00	18.75 -2.18 0.00	16.22 -1.92 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	18.54 0.78 0.00	19.08 0.72 0.00	19.29 0.64 0.00	14.90 0.48 0.00	14.31 0.45 0.00	16.50 0.57 0.00	20.89 0.88 0.00	23.36 1.05 0.00	24.44 1.21 0.00	30.02 1.31 0.00	31.11 1.44 0.00	26.05 1.40 0.00	22.92 1.32 0.00	24.67 1.42 0.00	22.25 1.33 0.00	23.96 1.43 0.00	27.01 1.75 0.00	26.60 1.92 0.00	24.65 1.54 0.00	22.08 1.32 0.00	22.70 1.25 0.00	22.49 1.27 0.00	22.00 1.06 0.00	19.00 0.86 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	18.59 0.83 0.00	19.14 0.77 0.00	19.35 0.70 0.00	15.00 0.58 0.00	14.42 0.56 0.00	16.63 0.71 0.00	21.06 1.05 0.00	23.55 1.23 0.00	24.66 1.43 0.00	30.17 1.47 0.00	31.23 1.57 0.00	26.17 1.52 0.00	23.03 1.42 0.00	24.81 1.56 0.00	22.37 1.45 0.00	24.10 1.56 0.00	27.14 1.87 0.00	26.75 2.07 0.00	24.79 1.68 0.00	22.19 1.43 0.00	22.81 1.36 0.00	22.60 1.38 0.00	22.09 1.16 0.00	19.08 0.94 0.00
PATROON__115KV_TB1 80586	17.90 0.13 0.00	18.39 0.03 0.00	18.66 0.01 0.00	14.49 0.07 0.00	13.93 0.07 0.00	16.02 0.09 0.00	20.10 0.08 0.00	22.53 0.21 0.00	23.45 0.22 0.00	29.00 0.29 0.00	30.04 0.37 0.00	25.02 0.37 0.00	22.03 0.42 0.00	23.75 0.50 0.00	21.41 0.49 0.00	23.10 0.56 0.00	25.96 0.69 0.00	25.43 0.75 0.00	23.63 0.52 0.00	21.12 0.37 0.00	21.83 0.38 0.00	21.60 0.38 0.00	21.22 0.28 0.00	18.37 0.23 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	17.79 0.03 0.00	18.53 0.17 0.00	18.70 0.05 0.00	14.41 -0.01 0.00	13.88 0.02 0.00	16.03 0.11 0.00	20.14 0.13 0.00	22.32 0.01 0.00	23.29 0.05 0.00	28.54 -0.16 0.00	29.17 -0.49 0.00	24.08 -0.57 0.00	20.91 -0.69 0.00	22.52 -0.73 0.00	20.17 -0.75 0.00	21.69 -0.85 0.00	24.03 -1.23 0.00	23.48 -1.19 0.00	21.89 -1.22 0.00	19.85 -0.91 0.00	20.61 -0.84 0.00	20.26 -0.96 0.00	20.13 -0.81 0.00	17.36 -0.78 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	18.57 0.81 0.00	19.12 0.75 0.00	19.35 0.69 0.00	14.93 0.52 0.00	14.34 0.48 0.00	16.53 0.60 0.00	20.89 0.88 0.00	23.43 1.11 0.00	24.46 1.23 0.00	30.19 1.48 0.00	31.22 1.55 0.00	26.11 1.46 0.00	23.02 1.42 0.00	24.78 1.54 0.00	22.32 1.41 0.00	24.07 1.53 0.00	27.16 1.89 0.00	26.70 2.02 0.00	24.79 1.68 0.00	22.15 1.39 0.00	22.84 1.39 0.00	22.59 1.37 0.00	22.11 1.17 0.00	19.08 0.94 0.00
PEEKSKILL____ 23653	18.41 0.65 0.00	18.95 0.58 0.00	19.17 0.52 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.45 0.00	20.69 0.68 0.00	23.19 0.87 0.00	24.22 0.98 0.00	29.87 1.17 0.00	30.87 1.21 0.00	25.81 1.16 0.00	22.74 1.13 0.00	24.47 1.23 0.00	22.04 1.12 0.00	23.76 1.22 0.00	26.80 1.54 0.00	26.36 1.69 0.00	24.48 1.37 0.00	21.87 1.11 0.00	22.57 1.12 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.89 0.75 0.00
PGE MADISON__WINDPWR 24146	18.99 1.23 0.00	19.59 1.23 0.00	19.83 1.18 0.00	15.13 0.71 0.00	14.50 0.64 0.00	16.85 0.92 0.00	21.33 1.32 0.00	23.50 1.18 0.00	24.39 1.16 0.00	30.12 1.42 0.00	30.84 1.18 0.00	25.72 1.06 0.00	22.63 1.02 0.00	24.40 1.16 0.00	21.98 1.06 0.00	23.72 1.18 0.00	26.77 1.51 0.00	26.47 1.80 0.00	24.76 1.65 0.00	22.35 1.59 0.00	23.01 1.56 0.00	22.64 1.42 0.00	22.17 1.23 0.00	19.09 0.95 0.00
PIERCEFIELD__HYD 23852	17.76 0.00 0.00	18.47 0.10 0.00	18.90 0.25 0.00	14.62 0.20 0.00	14.07 0.22 0.00	16.00 0.07 0.00	19.98 -0.03 0.00	22.28 -0.03 0.00	23.16 -0.08 0.00	28.76 0.06 0.00	29.85 0.18 0.00	24.74 0.09 0.00	21.47 -0.13 0.00	22.99 -0.26 0.00	20.59 -0.33 0.00	22.15 -0.39 0.00	26.55 -0.67 -1.96	24.56 -0.69 -0.57	29.41 -0.44 -6.74	22.09 -0.28 -1.61	21.17 -0.28 0.00	20.99 -0.23 0.00	20.90 -0.03 0.00	18.24 0.10 0.00
PINELAWN_CC_1 323563	18.83 1.07 0.00	19.32 0.96 0.00	19.56 0.90 0.00	15.09 0.67 0.00	14.51 0.65 0.00	16.75 0.82 0.00	21.22 1.21 0.00	23.83 1.51 0.00	24.92 1.69 0.00	30.59 1.89 0.00	31.66 1.99 0.00	26.52 1.87 0.00	23.43 1.83 0.00	25.19 1.94 0.00	22.61 1.69 0.00	24.36 1.82 0.00	27.59 2.32 0.00	27.14 2.46 0.00	25.15 2.04 0.00	22.46 1.70 0.00	23.10 1.65 0.00	22.89 1.67 0.00	22.44 1.51 0.00	19.54 1.30 -0.09
PJM_GEN_HTP_PROXY 323702	18.51 0.75 0.00	19.04 0.68 0.00	19.27 0.62 0.00	14.87 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.30 0.98 0.00	24.35 1.11 0.00	30.01 1.30 0.00	31.03 1.37 0.00	25.97 1.33 0.00	22.89 1.29 0.00	24.62 1.38 0.00	22.18 1.26 0.00	23.91 1.38 0.00	26.96 1.68 -0.02	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.67 1.22 0.00	22.42 1.20 0.00	21.95 1.01 0.00	18.97 0.82 0.00



PJM_GEN_KEYSTONE 24065	17.87 0.11 0.00	18.49 0.13 0.00	18.68 0.03 0.00	14.40 -0.01 0.00	13.84 -0.02 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.47 0.15 0.00	23.45 0.22 0.00	28.85 0.15 0.00	30.10 -0.03 -0.47	24.65 0.00 0.00	21.58 -0.03 0.00	23.24 0.00 0.00	20.93 0.01 0.00	22.49 -0.02 0.02	25.24 -0.02 0.01	24.81 0.13 0.00	23.08 -0.03 0.00	20.69 -0.06 0.00	21.42 -0.03 0.00	21.16 -0.06 0.00	20.85 -0.09 0.00	18.00 -0.14 0.00
PJM_GEN_NEPTUNE_PROXY 323594	18.59 0.83 0.00	19.10 0.74 0.00	19.32 0.67 0.00	14.91 0.50 0.00	14.33 0.47 0.00	16.53 0.61 0.00	20.91 0.90 0.00	23.47 1.15 0.00	24.52 1.29 0.00	30.16 1.45 0.00	31.21 1.55 0.00	26.16 1.51 0.00	23.08 1.48 0.00	24.81 1.57 0.00	22.32 1.40 0.00	24.04 1.51 0.00	27.19 1.90 -0.02	26.70 2.02 0.00	24.75 1.64 0.00	22.13 1.37 0.00	22.79 1.34 0.00	22.57 1.35 0.00	22.13 1.19 0.00	19.23 1.00 -0.09
PJM_GEN_VFT_PROXY 323633	18.43 0.67 0.00	18.96 0.60 0.00	19.18 0.53 0.00	14.81 0.40 0.00	14.22 0.36 0.00	16.38 0.45 0.00	20.70 0.68 0.00	23.18 0.86 0.00	24.24 1.00 0.00	29.87 1.17 0.00	30.87 1.21 0.00	25.83 1.18 0.00	22.75 1.15 0.00	24.47 1.23 0.00	22.04 1.13 0.00	23.54 1.24 0.24	26.48 1.53 0.32	26.37 1.69 0.00	24.48 1.37 0.00	21.87 1.11 0.00	22.57 1.12 0.00	22.31 1.10 0.00	21.83 0.90 0.00	18.87 0.73 0.00
PLATSBRG_115KV_PMLD1 355749	17.36 -0.40 0.00	18.09 -0.27 0.00	18.81 0.15 0.00	14.67 0.26 0.00	14.22 0.36 0.00	16.40 0.47 0.00	20.51 0.50 0.00	22.90 0.58 0.00	23.86 0.63 0.00	30.10 1.39 0.00	31.53 1.87 0.00	25.89 1.25 0.00	22.20 0.60 0.00	23.21 -0.04 0.00	20.72 -0.19 0.00	22.29 -0.25 0.00	11.88 -0.66 12.72	20.32 -0.68 3.68	-21.10 -0.52 43.70	10.17 -0.15 10.43	21.40 -0.05 0.00	21.40 0.18 0.00	21.24 0.31 0.00	18.48 0.34 0.00
PLEASANTVLY___LBMP 24000	18.31 0.55 0.00	18.85 0.48 0.00	19.08 0.43 0.00	14.73 0.32 0.00	14.15 0.30 0.00	16.29 0.36 0.00	20.56 0.55 0.00	23.05 0.73 0.00	24.05 0.81 0.00	29.69 0.98 0.00	30.71 1.05 0.00	25.69 1.04 0.00	22.64 1.03 0.00	24.38 1.13 0.00	21.96 1.04 0.00	23.68 1.14 0.00	26.68 1.42 0.00	26.22 1.54 0.00	24.33 1.22 0.00	21.73 0.98 0.00	22.43 0.98 0.00	22.21 0.98 0.00	21.76 0.82 0.00	18.80 0.65 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	18.46 0.70 0.00	18.99 0.63 0.00	19.21 0.57 0.00	14.84 0.42 0.00	14.25 0.39 0.00	16.41 0.49 0.00	20.73 0.72 0.00	23.24 0.92 0.00	24.28 1.05 0.00	29.95 1.24 0.00	30.97 1.30 0.00	25.90 1.25 0.00	22.82 1.22 0.00	24.57 1.32 0.00	22.13 1.21 0.00	23.85 1.32 0.00	26.90 1.63 0.00	26.45 1.77 0.00	24.55 1.44 0.00	21.94 1.18 0.00	22.62 1.17 0.00	22.38 1.16 0.00	21.93 0.99 0.00	18.93 0.79 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	18.46 0.70 0.00	18.99 0.63 0.00	19.21 0.57 0.00	14.84 0.42 0.00	14.25 0.39 0.00	16.41 0.49 0.00	20.73 0.72 0.00	23.24 0.92 0.00	24.28 1.05 0.00	29.95 1.24 0.00	30.97 1.30 0.00	25.90 1.25 0.00	22.82 1.22 0.00	24.57 1.32 0.00	22.13 1.21 0.00	23.85 1.32 0.00	26.90 1.63 0.00	26.45 1.77 0.00	24.55 1.44 0.00	21.94 1.18 0.00	22.62 1.17 0.00	22.38 1.16 0.00	21.93 0.99 0.00	18.93 0.79 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	18.42 0.66 0.00	18.97 0.61 0.00	19.20 0.55 0.00	14.83 0.42 0.00	14.25 0.39 0.00	16.41 0.48 0.00	20.72 0.70 0.00	23.24 0.92 0.00	24.25 1.02 0.00	29.93 1.22 0.00	30.94 1.28 0.00	25.89 1.24 0.00	22.82 1.22 0.00	24.59 1.34 0.00	22.14 1.22 0.00	23.87 1.34 0.00	26.91 1.65 0.00	26.47 1.79 0.00	24.58 1.47 0.00	21.96 1.20 0.00	22.65 1.20 0.00	22.40 1.18 0.00	21.94 1.01 0.00	18.94 0.80 0.00
POLETTI_____ 23519	18.52 0.76 0.00	19.05 0.68 0.00	19.26 0.61 0.00	14.87 0.46 0.00	14.27 0.42 0.00	16.44 0.52 0.00	20.77 0.76 0.00	23.27 0.95 0.00	24.32 1.09 0.00	29.97 1.27 0.00	31.00 1.34 0.00	25.95 1.30 0.00	22.86 1.26 0.00	24.59 1.34 0.00	22.15 1.24 0.00	23.88 1.35 0.00	26.91 1.65 0.00	26.48 1.80 0.00	24.57 1.46 0.00	21.96 1.20 0.00	22.64 1.19 0.00	22.39 1.17 0.00	21.92 0.98 0.00	18.95 0.81 0.00
POMONA___ESR 323819	18.41 0.65 0.00	18.96 0.60 0.00	19.18 0.53 0.00	14.80 0.39 0.00	14.21 0.36 0.00	16.38 0.46 0.00	20.70 0.69 0.00	23.20 0.88 0.00	24.24 1.00 0.00	29.90 1.20 0.00	30.88 1.21 0.00	25.81 1.16 0.00	22.72 1.12 0.00	24.46 1.21 0.00	22.03 1.11 0.00	23.75 1.21 0.00	26.80 1.54 0.00	26.38 1.70 0.00	24.49 1.39 0.00	21.88 1.12 0.00	22.58 1.13 0.00	22.33 1.11 0.00	21.87 0.93 0.00	18.88 0.74 0.00
PORT_JEFF_3 23555	18.86 1.10 0.00	19.36 1.00 0.00	19.60 0.94 0.00	15.12 0.71 0.00	14.54 0.68 0.00	16.79 0.86 0.00	21.25 1.24 0.00	23.89 1.57 0.00	24.98 1.75 0.00	30.53 1.82 0.00	31.55 1.88 0.00	26.43 1.79 0.00	23.38 1.78 0.00	25.13 1.88 0.00	22.60 1.68 0.00	24.29 1.76 0.00	27.53 2.27 0.00	27.10 2.42 0.00	25.10 1.99 0.00	22.42 1.66 0.00	23.03 1.58 0.00	22.86 1.64 0.00	22.44 1.51 0.00	19.59 1.36 -0.09
PORT_JEFF_4 23616	18.86 1.10 0.00	19.36 1.00 0.00	19.60 0.94 0.00	15.12 0.71 0.00	14.54 0.68 0.00	16.79 0.86 0.00	21.25 1.24 0.00	23.89 1.57 0.00	24.98 1.75 0.00	30.53 1.82 0.00	31.55 1.88 0.00	26.43 1.79 0.00	23.38 1.78 0.00	25.13 1.88 0.00	22.60 1.68 0.00	24.29 1.76 0.00	27.53 2.27 0.00	27.10 2.42 0.00	25.10 1.99 0.00	22.42 1.66 0.00	23.03 1.58 0.00	22.86 1.64 0.00	22.44 1.51 0.00	19.59 1.36 -0.09
PORT_JEFF_IC 23713	18.86 1.10 0.00	19.37 1.01 0.00	19.60 0.95 0.00	15.12 0.71 0.00	14.55 0.69 0.00	16.79 0.87 0.00	21.25 1.24 0.00	23.89 1.58 0.00	24.99 1.76 0.00	30.54 1.83 0.00	31.55 1.89 0.00	26.44 1.79 0.00	23.38 1.78 0.00	25.14 1.90 0.00	22.62 1.70 0.00	24.30 1.76 0.00	27.55 2.29 0.00	27.12 2.44 0.00	25.12 2.01 0.00	22.43 1.67 0.00	23.05 1.60 0.00	22.87 1.65 0.00	22.45 1.52 0.00	19.60 1.37 -0.09
PPL PILGRIM_ST_GT1 24216	18.93 1.17 0.00	19.43 1.07 0.00	19.67 1.02 0.00	15.17 0.76 0.00	14.59 0.73 0.00	16.86 0.93 0.00	21.35 1.33 0.00	23.98 1.66 0.00	25.09 1.85 0.00	30.75 2.04 0.00	31.79 2.13 0.00	26.65 2.00 0.00	23.55 1.95 0.00	25.30 2.05 0.00	22.75 1.83 0.00	24.47 1.93 0.00	27.73 2.46 0.00	27.27 2.59 0.00	25.25 2.14 0.00	22.56 1.80 0.00	23.19 1.73 0.00	22.99 1.77 0.00	22.55 1.62 0.00	19.66 1.43 -0.09
PPL PILGRIM_ST_GT2 24217	18.93 1.17 0.00	19.43 1.07 0.00	19.67 1.02 0.00	15.17 0.76 0.00	14.59 0.73 0.00	16.86 0.93 0.00	21.35 1.33 0.00	23.98 1.66 0.00	25.09 1.85 0.00	30.75 2.04 0.00	31.79 2.13 0.00	26.65 2.00 0.00	23.55 1.95 0.00	25.30 2.05 0.00	22.75 1.83 0.00	24.47 1.93 0.00	27.73 2.46 0.00	27.27 2.59 0.00	25.25 2.14 0.00	22.56 1.80 0.00	23.19 1.73 0.00	22.99 1.77 0.00	22.55 1.62 0.00	19.66 1.43 -0.09



PPL_SHRM_GT3 24213	18.84 1.08 0.00	19.38 1.02 0.00	19.62 0.97 0.00	15.14 0.73 0.00	14.56 0.71 0.00	16.78 0.85 0.00	21.21 1.20 0.00	23.85 1.53 0.00	24.94 1.71 0.00	30.21 1.50 0.00	31.18 1.52 0.00	26.13 1.48 0.00	23.13 1.52 0.00	24.87 1.62 0.00	22.38 1.46 0.00	24.03 1.49 0.00	27.27 2.01 0.00	26.87 2.19 0.00	24.88 1.77 0.00	22.21 1.45 0.00	22.82 1.36 0.00	22.67 1.45 0.00	22.32 1.38 0.00	19.57 1.34 -0.09
PPL_SHRM_GT4 24214	18.84 1.08 0.00	19.38 1.02 0.00	19.62 0.97 0.00	15.14 0.73 0.00	14.56 0.71 0.00	16.78 0.85 0.00	21.21 1.20 0.00	23.85 1.53 0.00	24.94 1.71 0.00	30.21 1.50 0.00	31.18 1.52 0.00	26.13 1.48 0.00	23.13 1.52 0.00	24.87 1.62 0.00	22.38 1.46 0.00	24.03 1.49 0.00	27.27 2.01 0.00	26.87 2.19 0.00	24.88 1.77 0.00	22.21 1.45 0.00	22.82 1.36 0.00	22.67 1.45 0.00	22.32 1.38 0.00	19.57 1.34 -0.09
PROJECT___ORANGE 1 24174	17.59 -0.17 0.00	18.19 -0.17 0.00	18.43 -0.22 0.00	14.23 -0.18 0.00	13.69 -0.16 0.00	15.77 -0.16 0.00	19.81 -0.20 0.00	22.05 -0.27 0.00	22.96 -0.27 0.00	28.26 -0.45 0.00	29.05 -0.62 0.00	24.14 -0.51 0.00	21.17 -0.43 0.00	22.80 -0.45 0.00	20.53 -0.39 0.00	22.11 -0.43 0.00	24.77 -0.50 0.00	24.23 -0.45 0.00	22.63 -0.47 0.00	20.36 -0.41 0.00	21.06 -0.40 0.00	20.82 -0.40 0.00	20.58 -0.36 0.00	17.80 -0.34 0.00
PROJECT___ORANGE 2 24166	17.59 -0.17 0.00	18.19 -0.17 0.00	18.43 -0.22 0.00	14.23 -0.18 0.00	13.69 -0.16 0.00	15.77 -0.16 0.00	19.81 -0.20 0.00	22.05 -0.27 0.00	22.96 -0.27 0.00	28.26 -0.45 0.00	29.05 -0.62 0.00	24.14 -0.51 0.00	21.17 -0.43 0.00	22.80 -0.45 0.00	20.53 -0.39 0.00	22.11 -0.43 0.00	24.77 -0.50 0.00	24.23 -0.45 0.00	22.63 -0.47 0.00	20.36 -0.41 0.00	21.06 -0.40 0.00	20.82 -0.40 0.00	20.58 -0.36 0.00	17.80 -0.34 0.00
PUCKETT___SOLAR 323809	18.03 0.27 0.00	18.62 0.26 0.00	18.87 0.22 0.00	14.49 0.08 0.00	13.93 0.07 0.00	16.08 0.15 0.00	20.29 0.28 0.00	22.55 0.23 0.00	23.47 0.23 0.00	28.94 0.23 0.00	29.70 0.04 0.00	24.75 0.10 0.00	21.67 0.07 0.00	23.35 0.10 0.00	21.06 0.14 0.00	22.67 0.13 0.00	25.48 0.22 0.00	25.09 0.41 0.00	23.37 0.26 0.00	21.03 0.27 0.00	21.73 0.28 0.00	21.42 0.20 0.00	21.06 0.12 0.00	18.18 0.04 0.00
PYRITES___HYD 24023	18.16 0.40 0.00	18.87 0.50 0.00	19.28 0.63 0.00	14.93 0.52 0.00	14.36 0.51 0.00	16.39 0.46 0.00	20.55 0.54 0.00	22.97 0.65 0.00	23.88 0.65 0.00	29.63 0.92 0.00	30.74 1.07 0.00	25.46 0.81 0.00	22.15 0.55 0.00	23.75 0.50 0.00	21.22 0.31 0.00	22.84 0.30 0.00	27.14 0.12 -1.75	25.28 0.09 -0.51	29.41 0.28 -6.02	22.58 0.39 -1.44	21.87 0.42 0.00	21.64 0.42 0.00	21.47 0.54 0.00	18.69 0.55 0.00
QUAKERRD_115KV_BK1 80622	17.04 -0.72 0.00	17.68 -0.68 0.00	17.91 -0.74 0.00	13.83 -0.59 0.00	13.32 -0.53 0.00	15.38 -0.54 0.00	19.36 -0.66 0.00	21.50 -0.82 0.00	22.41 -0.83 0.00	27.53 -1.17 0.00	28.27 -1.39 0.00	23.41 -1.24 0.00	20.43 -1.18 0.00	21.99 -1.26 0.00	19.74 -1.18 0.00	21.26 -1.27 0.00	23.71 -1.55 0.00	23.13 -1.55 0.00	21.61 -1.50 0.00	19.53 -1.23 0.00	20.22 -1.24 0.00	19.91 -1.31 0.00	19.70 -1.24 0.00	17.03 -1.12 0.00
QUENSBRY_115KV_TB8 356137	18.48 0.72 0.00	19.04 0.67 0.00	19.24 0.59 0.00	14.87 0.46 0.00	14.26 0.40 0.00	16.49 0.57 0.00	20.95 0.94 0.00	23.58 1.26 0.00	24.53 1.29 0.00	30.37 1.67 0.00	31.45 1.79 0.00	26.12 1.48 0.00	23.06 1.46 0.00	25.05 1.80 0.00	22.49 1.57 0.00	24.32 1.78 0.00	27.17 1.91 0.00	26.70 2.03 0.00	24.77 1.66 0.00	22.10 1.34 0.00	22.78 1.33 0.00	22.59 1.37 0.00	22.20 1.27 0.00	19.16 1.02 0.00
RAMAPO___LBMP 323565	18.35 0.59 0.00	18.90 0.53 0.00	19.12 0.47 0.00	14.76 0.35 0.00	14.17 0.31 0.00	16.33 0.41 0.00	20.64 0.62 0.00	23.11 0.79 0.00	24.14 0.91 0.00	29.79 1.08 0.00	30.76 1.10 0.00	25.71 1.06 0.00	22.63 1.02 0.00	24.36 1.11 0.00	21.95 1.03 0.00	23.65 1.11 0.00	26.69 1.43 0.00	26.26 1.59 0.00	24.39 1.28 0.00	21.79 1.03 0.00	22.49 1.04 0.00	22.24 1.02 0.00	21.79 0.85 0.00	18.81 0.67 0.00
RANKINE____ 23646	17.47 -0.29 0.00	18.21 -0.16 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.23 0.00	15.73 -0.19 0.00	19.75 -0.26 0.00	21.84 -0.48 0.00	22.78 -0.46 0.00	27.92 -0.78 0.00	28.55 -1.12 0.00	23.56 -1.09 0.00	20.44 -1.17 0.00	22.00 -1.26 0.00	19.69 -1.23 0.00	21.19 -1.35 0.00	23.45 -1.81 0.00	22.88 -1.79 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.11 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.92 -1.22 0.00
RAVENSWOOD_GT2_1 24244	18.53 0.77 0.00	19.07 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.81 0.80 0.00	23.31 1.00 0.00	24.38 1.14 0.00	30.04 1.34 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT2_2 24245	18.53 0.77 0.00	19.07 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.81 0.80 0.00	23.31 1.00 0.00	24.38 1.14 0.00	30.04 1.34 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT2_3 24246	18.54 0.78 0.00	19.07 0.71 0.00	19.30 0.65 0.00	14.89 0.48 0.00	14.30 0.44 0.00	16.47 0.54 0.00	20.81 0.80 0.00	23.32 1.01 0.00	24.38 1.15 0.00	30.06 1.35 0.00	31.09 1.43 0.00	26.01 1.37 0.00	22.92 1.31 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.94 1.40 0.00	26.98 1.72 0.00	26.55 1.87 0.00	24.63 1.52 0.00	22.01 1.25 0.00	22.70 1.25 0.00	22.45 1.23 0.00	21.97 1.04 0.00	18.99 0.85 0.00
RAVENSWOOD_GT2_4 24247	18.54 0.78 0.00	19.07 0.71 0.00	19.30 0.65 0.00	14.89 0.48 0.00	14.30 0.44 0.00	16.47 0.54 0.00	20.81 0.80 0.00	23.32 1.01 0.00	24.38 1.15 0.00	30.06 1.35 0.00	31.09 1.43 0.00	26.01 1.37 0.00	22.92 1.31 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.94 1.40 0.00	26.98 1.72 0.00	26.55 1.87 0.00	24.63 1.52 0.00	22.01 1.25 0.00	22.70 1.25 0.00	22.45 1.23 0.00	21.97 1.04 0.00	18.99 0.85 0.00
RAVENSWOOD_GT3_1 24248	18.53 0.77 0.00	19.07 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.81 0.80 0.00	23.31 1.00 0.00	24.38 1.14 0.00	30.05 1.34 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.65 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00



RAVENSWOOD_GT3_2 24249	18.53 0.77 0.00	19.07 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.81 0.80 0.00	23.31 1.00 0.00	24.38 1.14 0.00	30.05 1.34 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.65 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT3_3 24250	18.56 0.80 0.00	19.09 0.73 0.00	19.31 0.66 0.00	14.91 0.49 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.84 0.82 0.00	23.35 1.03 0.00	24.41 1.18 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.94 1.34 0.00	24.69 1.44 0.00	22.24 1.32 0.00	23.96 1.43 0.00	27.01 1.75 0.00	26.58 1.90 0.00	24.66 1.54 0.00	22.03 1.27 0.00	22.72 1.27 0.00	22.47 1.25 0.00	21.99 1.06 0.00	19.01 0.87 0.00
RAVENSWOOD_GT3_4 24251	18.56 0.80 0.00	19.09 0.73 0.00	19.31 0.66 0.00	14.91 0.49 0.00	14.31 0.45 0.00	16.48 0.56 0.00	20.84 0.82 0.00	23.35 1.03 0.00	24.41 1.18 0.00	30.09 1.38 0.00	31.12 1.46 0.00	26.05 1.40 0.00	22.94 1.34 0.00	24.69 1.44 0.00	22.24 1.32 0.00	23.96 1.43 0.00	27.01 1.75 0.00	26.58 1.90 0.00	24.66 1.54 0.00	22.03 1.27 0.00	22.72 1.27 0.00	22.47 1.25 0.00	21.99 1.06 0.00	19.01 0.87 0.00
RAVENSWOOD_GT_1 23729	18.61 0.85 0.00	19.14 0.78 0.00	19.36 0.70 0.00	14.94 0.53 0.00	14.34 0.49 0.00	16.52 0.60 0.00	20.91 0.89 0.00	23.40 1.08 0.00	24.48 1.24 0.00	30.15 1.44 0.00	31.18 1.52 0.00	26.08 1.44 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.22 1.30 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.03 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.01 1.07 0.00	19.01 0.87 0.00
RAVENSWOOD_GT_10 24258	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.80 0.79 0.00	23.31 0.99 0.00	24.37 1.14 0.00	30.04 1.33 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.96 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT_11 24259	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.80 0.79 0.00	23.31 0.99 0.00	24.37 1.14 0.00	30.04 1.33 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.96 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT_4 24252	18.53 0.76 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.88 0.47 0.00	14.28 0.43 0.00	16.46 0.53 0.00	20.80 0.78 0.00	23.31 0.99 0.00	24.36 1.13 0.00	30.04 1.33 0.00	31.07 1.40 0.00	25.99 1.34 0.00	22.90 1.29 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.92 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.61 1.50 0.00	21.99 1.23 0.00	22.68 1.23 0.00	22.43 1.21 0.00	21.95 1.02 0.00	18.97 0.83 0.00
RAVENSWOOD_GT_5 24254	18.53 0.76 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.88 0.47 0.00	14.28 0.43 0.00	16.46 0.53 0.00	20.80 0.78 0.00	23.31 0.99 0.00	24.36 1.13 0.00	30.04 1.33 0.00	31.07 1.40 0.00	25.99 1.34 0.00	22.90 1.29 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.92 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.61 1.50 0.00	21.99 1.23 0.00	22.68 1.23 0.00	22.43 1.21 0.00	21.95 1.02 0.00	18.97 0.83 0.00
RAVENSWOOD_GT_6 24253	18.53 0.76 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.88 0.47 0.00	14.28 0.43 0.00	16.46 0.53 0.00	20.80 0.78 0.00	23.31 0.99 0.00	24.36 1.13 0.00	30.04 1.33 0.00	31.07 1.40 0.00	25.99 1.34 0.00	22.90 1.29 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.92 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.61 1.50 0.00	21.99 1.23 0.00	22.68 1.23 0.00	22.43 1.21 0.00	21.95 1.02 0.00	18.97 0.83 0.00
RAVENSWOOD_GT_7 24255	18.53 0.76 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.88 0.47 0.00	14.28 0.43 0.00	16.46 0.53 0.00	20.80 0.78 0.00	23.31 0.99 0.00	24.36 1.13 0.00	30.04 1.33 0.00	31.07 1.40 0.00	25.99 1.34 0.00	22.90 1.29 0.00	24.64 1.39 0.00	22.20 1.28 0.00	23.92 1.38 0.00	26.97 1.70 0.00	26.53 1.85 0.00	24.61 1.50 0.00	21.99 1.23 0.00	22.68 1.23 0.00	22.43 1.21 0.00	21.95 1.02 0.00	18.97 0.83 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.80 0.79 0.00	23.31 0.99 0.00	24.37 1.14 0.00	30.04 1.33 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.96 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD_GT_9 24257	18.53 0.77 0.00	19.06 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.43 0.00	16.46 0.54 0.00	20.80 0.79 0.00	23.31 0.99 0.00	24.37 1.14 0.00	30.04 1.33 0.00	31.07 1.41 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.40 0.00	22.20 1.28 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.85 0.00	24.62 1.51 0.00	22.00 1.24 0.00	22.68 1.23 0.00	22.44 1.22 0.00	21.96 1.03 0.00	18.98 0.84 0.00
RAVENSWOOD___1 23533	18.58 0.81 0.00	19.11 0.74 0.00	19.32 0.67 0.00	14.92 0.50 0.00	14.32 0.47 0.00	16.49 0.57 0.00	20.87 0.86 0.00	23.37 1.05 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.13 1.46 0.00	26.05 1.40 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.02 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.02 0.88 0.00
RAVENSWOOD___2 23534	18.58 0.81 0.00	19.11 0.74 0.00	19.32 0.67 0.00	14.92 0.50 0.00	14.32 0.47 0.00	16.49 0.57 0.00	20.87 0.86 0.00	23.37 1.05 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.13 1.46 0.00	26.05 1.40 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.02 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.02 0.88 0.00
RAVENSWOOD___3 23535	18.53 0.77 0.00	19.07 0.70 0.00	19.28 0.63 0.00	14.89 0.47 0.00	14.29 0.44 0.00	16.46 0.54 0.00	20.81 0.80 0.00	23.32 1.00 0.00	24.37 1.14 0.00	30.05 1.34 0.00	31.07 1.40 0.00	26.00 1.35 0.00	22.91 1.30 0.00	24.64 1.39 0.00	22.19 1.27 0.00	23.93 1.39 0.00	26.97 1.71 0.00	26.53 1.86 0.00	24.62 1.51 0.00	21.99 1.23 0.00	22.69 1.24 0.00	22.44 1.22 0.00	21.97 1.03 0.00	18.98 0.84 0.00



RAVENSWOOD___4 23820	18.58 0.81 0.00	19.11 0.74 0.00	19.32 0.67 0.00	14.92 0.50 0.00	14.32 0.47 0.00	16.49 0.57 0.00	20.87 0.86 0.00	23.37 1.05 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.13 1.46 0.00	26.05 1.40 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.02 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.00 1.07 0.00	19.02 0.88 0.00
RCPI_TRUST___DRP 24196	18.54 0.78 0.00	19.08 0.72 0.00	19.30 0.65 0.00	14.90 0.48 0.00	14.30 0.45 0.00	16.47 0.55 0.00	20.82 0.81 0.00	23.34 1.02 0.00	24.40 1.17 0.00	30.08 1.37 0.00	31.11 1.44 0.00	26.03 1.38 0.00	22.94 1.34 0.00	24.69 1.44 0.00	22.23 1.31 0.00	23.96 1.42 0.00	27.00 1.73 0.00	26.56 1.88 0.00	24.65 1.53 0.00	22.02 1.26 0.00	22.71 1.25 0.00	22.46 1.24 0.00	21.98 1.04 0.00	18.99 0.85 0.00
RED___ROCHESTER 323720	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.28 -0.43 0.00	29.02 -0.64 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.52 -0.73 0.00	20.21 -0.71 0.00	21.75 -0.79 0.00	24.23 -1.03 0.00	23.64 -1.03 0.00	22.09 -1.01 0.00	19.99 -0.77 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.38 -0.76 0.00
REGAN___SOLAR 323812	19.47 1.71 0.00	20.20 1.84 0.00	20.48 1.82 0.00	15.81 1.39 0.00	15.21 1.36 0.00	17.58 1.65 0.00	22.40 2.38 0.00	25.05 2.73 0.00	25.97 2.73 0.00	31.97 3.26 0.00	32.74 3.08 0.00	26.98 2.33 0.00	23.77 2.17 0.00	25.66 2.41 0.00	23.12 2.21 0.00	24.94 2.40 0.00	28.10 2.83 0.00	27.63 2.96 0.00	25.90 2.79 0.00	23.32 2.56 0.00	24.06 2.60 0.00	23.63 2.41 0.00	23.23 2.29 0.00	20.00 1.86 0.00
RENSSELAER___COGEN 23796	17.82 0.06 0.00	18.31 -0.05 0.00	18.57 -0.08 0.00	14.42 0.00 0.00	13.86 0.01 0.00	15.94 0.01 0.00	19.99 -0.03 0.00	22.40 0.08 0.00	23.31 0.07 0.00	28.83 0.12 0.00	29.86 0.19 0.00	24.87 0.22 0.00	21.89 0.29 0.00	23.61 0.36 0.00	21.29 0.37 0.00	22.96 0.42 0.00	25.80 0.53 0.00	25.27 0.59 0.00	23.48 0.38 0.00	20.99 0.23 0.00	21.71 0.25 0.00	21.47 0.25 0.00	21.10 0.17 0.00	18.28 0.14 0.00
REPUBLIC_115KV_BARTNBRK 55605	18.84 1.07 0.00	19.35 0.99 0.00	19.57 0.92 0.00	15.11 0.70 0.00	14.54 0.68 0.00	16.98 1.05 0.00	21.81 1.79 0.00	24.71 2.39 0.00	25.63 2.39 0.00	31.84 3.14 0.00	32.98 3.31 0.00	27.33 2.68 0.00	24.17 2.57 0.00	26.18 2.93 0.00	23.42 2.50 0.00	25.39 2.85 0.00	28.36 3.10 0.00	27.95 3.27 0.00	25.66 2.55 0.00	22.86 2.10 0.00	23.52 2.06 0.00	23.46 2.24 0.00	23.02 2.08 0.00	19.79 1.65 0.00
REVERE_CPPR_DRP 24186	18.19 0.43 0.00	18.87 0.51 0.00	19.15 0.49 0.00	14.77 0.35 0.00	14.23 0.38 0.00	16.43 0.51 0.00	20.74 0.72 0.00	23.15 0.83 0.00	24.13 0.90 0.00	29.79 1.08 0.00	30.72 1.06 0.00	25.47 0.81 0.00	22.30 0.70 0.00	24.03 0.78 0.00	21.64 0.72 0.00	23.23 0.69 0.00	26.10 0.84 0.00	25.57 0.89 0.00	23.93 0.82 0.00	21.46 0.70 0.00	22.11 0.66 0.00	21.82 0.60 0.00	21.56 0.62 0.00	18.63 0.49 0.00
REYNOLDS_115KV_TB3 80639	17.92 0.16 0.00	18.42 0.06 0.00	18.69 0.04 0.00	14.49 0.07 0.00	13.92 0.06 0.00	16.01 0.08 0.00	20.10 0.09 0.00	22.53 0.21 0.00	23.44 0.21 0.00	29.00 0.30 0.00	30.06 0.40 0.00	25.03 0.38 0.00	22.04 0.44 0.00	23.77 0.53 0.00	21.42 0.50 0.00	23.13 0.59 0.00	25.98 0.71 0.00	25.44 0.76 0.00	23.62 0.51 0.00	21.11 0.35 0.00	21.83 0.38 0.00	21.62 0.40 0.00	21.25 0.32 0.00	18.39 0.25 0.00
RIVERBAY____ 323610	18.59 0.83 0.00	19.14 0.77 0.00	19.35 0.70 0.00	15.00 0.58 0.00	14.42 0.56 0.00	16.63 0.71 0.00	21.06 1.05 0.00	23.55 1.23 0.00	24.66 1.43 0.00	30.17 1.47 0.00	31.23 1.57 0.00	26.17 1.52 0.00	23.03 1.42 0.00	24.81 1.56 0.00	22.37 1.45 0.00	24.10 1.56 0.00	27.14 1.87 0.00	26.75 2.07 0.00	24.79 1.68 0.00	22.19 1.43 0.00	22.81 1.36 0.00	22.60 1.38 0.00	22.09 1.16 0.00	19.08 0.94 0.00
RIVERSDE_115KV_TB3 55908	17.88 0.12 0.00	18.38 0.02 0.00	18.64 -0.01 0.00	14.46 0.05 0.00	13.90 0.05 0.00	15.99 0.06 0.00	20.06 0.04 0.00	22.49 0.17 0.00	23.40 0.17 0.00	28.95 0.24 0.00	30.00 0.33 0.00	24.98 0.33 0.00	22.00 0.39 0.00	23.72 0.47 0.00	21.38 0.46 0.00	23.07 0.53 0.00	25.91 0.65 0.00	25.38 0.71 0.00	23.58 0.47 0.00	21.08 0.32 0.00	21.79 0.34 0.00	21.57 0.35 0.00	21.19 0.25 0.00	18.35 0.20 0.00
ROARING___BROOK_WT_PWR 323790	17.42 -0.35 0.00	18.26 -0.10 0.00	18.69 0.04 0.00	14.44 0.02 0.00	13.91 0.05 0.00	15.96 0.03 0.00	19.96 -0.05 0.00	22.20 -0.11 0.00	23.01 -0.22 0.00	28.52 -0.18 0.00	29.55 -0.12 0.00	24.37 -0.28 0.00	21.22 -0.38 0.00	22.86 -0.39 0.00	20.47 -0.45 0.00	22.00 -0.54 0.00	24.61 -0.66 0.00	24.10 -0.58 0.00	22.74 -0.37 0.00	20.39 -0.37 0.00	20.93 -0.52 0.00	20.64 -0.58 0.00	20.50 -0.43 0.00	18.01 -0.13 0.00
ROCHESRG_115KV_T4 355643	17.31 -0.46 0.00	17.98 -0.39 0.00	18.20 -0.45 0.00	14.04 -0.37 0.00	13.54 -0.31 0.00	15.64 -0.29 0.00	19.67 -0.34 0.00	21.82 -0.49 0.00	22.75 -0.49 0.00	27.94 -0.77 0.00	28.67 -1.00 0.00	23.71 -0.94 0.00	20.66 -0.94 0.00	22.24 -1.01 0.00	19.95 -0.97 0.00	21.48 -1.06 0.00	23.91 -1.35 0.00	23.32 -1.36 0.00	21.79 -1.32 0.00	19.71 -1.04 0.00	20.42 -1.03 0.00	20.11 -1.11 0.00	19.92 -1.02 0.00	17.21 -0.93 0.00
ROCHESTER_9_IC 23652	17.39 -0.37 0.00	18.07 -0.29 0.00	18.29 -0.37 0.00	14.12 -0.30 0.00	13.61 -0.25 0.00	15.72 -0.21 0.00	19.79 -0.22 0.00	21.97 -0.35 0.00	22.90 -0.33 0.00	28.12 -0.59 0.00	28.86 -0.80 0.00	23.87 -0.78 0.00	20.80 -0.80 0.00	22.40 -0.85 0.00	20.09 -0.83 0.00	21.63 -0.91 0.00	24.08 -1.18 0.00	23.50 -1.18 0.00	21.95 -1.15 0.00	19.86 -0.90 0.00	20.56 -0.89 0.00	20.25 -0.97 0.00	20.04 -0.90 0.00	17.31 -0.83 0.00
ROCKVIEW_13_KV_LD 356306	18.53 0.77 0.00	19.07 0.70 0.00	19.29 0.64 0.00	14.90 0.48 0.00	14.30 0.45 0.00	16.48 0.55 0.00	20.82 0.81 0.00	23.34 1.02 0.00	24.38 1.15 0.00	30.06 1.35 0.00	31.09 1.42 0.00	26.01 1.36 0.00	22.91 1.31 0.00	24.66 1.41 0.00	22.21 1.29 0.00	23.94 1.40 0.00	27.00 1.73 0.00	26.56 1.88 0.00	24.66 1.54 0.00	22.02 1.26 0.00	22.72 1.27 0.00	22.47 1.25 0.00	22.00 1.07 0.00	19.00 0.86 0.00
ROME____115KV_TB2 80656	18.19 0.43 0.00	18.87 0.51 0.00	19.15 0.49 0.00	14.77 0.35 0.00	14.23 0.38 0.00	16.43 0.51 0.00	20.74 0.72 0.00	23.15 0.83 0.00	24.13 0.90 0.00	29.79 1.08 0.00	30.72 1.06 0.00	25.47 0.81 0.00	22.30 0.70 0.00	24.03 0.78 0.00	21.64 0.72 0.00	23.23 0.69 0.00	26.10 0.84 0.00	25.57 0.89 0.00	23.93 0.82 0.00	21.46 0.70 0.00	22.11 0.66 0.00	21.82 0.60 0.00	21.56 0.62 0.00	18.63 0.49 0.00



ROSETON___1 23587	18.31 0.55 0.00	18.86 0.49 0.00	19.09 0.44 0.00	14.74 0.33 0.00	14.15 0.30 0.00	16.30 0.37 0.00	20.57 0.56 0.00	23.06 0.74 0.00	24.07 0.84 0.00	29.70 1.00 0.00	30.71 1.05 0.00	25.68 1.03 0.00	22.62 1.01 0.00	24.36 1.11 0.00	21.94 1.02 0.00	23.65 1.11 0.00	26.66 1.39 0.00	26.21 1.53 0.00	24.33 1.22 0.00	21.73 0.97 0.00	22.43 0.98 0.00	22.20 0.98 0.00	21.75 0.81 0.00	18.79 0.65 0.00
ROSETON___2 23588	18.31 0.55 0.00	18.86 0.49 0.00	19.09 0.44 0.00	14.74 0.33 0.00	14.15 0.30 0.00	16.30 0.37 0.00	20.57 0.56 0.00	23.06 0.74 0.00	24.07 0.84 0.00	29.70 1.00 0.00	30.71 1.05 0.00	25.68 1.03 0.00	22.62 1.01 0.00	24.36 1.11 0.00	21.94 1.02 0.00	23.65 1.11 0.00	26.66 1.39 0.00	26.21 1.53 0.00	24.33 1.22 0.00	21.73 0.97 0.00	22.43 0.98 0.00	22.20 0.98 0.00	21.75 0.81 0.00	18.79 0.65 0.00
ROTTTRDAM_115KV_TB3 80664	18.12 0.36 0.00	18.69 0.33 0.00	18.96 0.31 0.00	14.66 0.24 0.00	14.08 0.23 0.00	16.20 0.27 0.00	20.42 0.41 0.00	22.85 0.54 0.00	23.80 0.57 0.00	29.41 0.71 0.00	30.42 0.76 0.00	25.32 0.66 0.00	22.26 0.66 0.00	24.00 0.75 0.00	21.61 0.69 0.00	23.32 0.78 0.00	26.18 0.91 0.00	25.65 0.97 0.00	23.89 0.78 0.00	21.38 0.63 0.00	22.09 0.64 0.00	21.86 0.63 0.00	21.49 0.55 0.00	18.58 0.44 0.00
RUSSELL___1 23602	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
RUSSELL___2 23532	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
RUSSELL___3 23549	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
RUSSELL___4 23556	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
RUSSELL___STATION 23914	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
S SALMON___HYD 24043	17.24 -0.52 0.00	17.93 -0.44 0.00	18.19 -0.46 0.00	14.02 -0.39 0.00	13.54 -0.31 0.00	15.61 -0.31 0.00	19.57 -0.44 0.00	21.80 -0.52 0.00	22.65 -0.59 0.00	27.93 -0.78 0.00	28.75 -0.91 0.00	23.78 -0.87 0.00	20.79 -0.81 0.00	22.39 -0.85 0.00	20.13 -0.79 0.00	21.64 -0.90 0.00	24.27 -0.99 0.00	23.79 -0.89 0.00	22.30 -0.81 0.00	20.04 -0.72 0.00	20.63 -0.82 0.00	20.41 -0.81 0.00	20.25 -0.68 0.00	17.55 -0.59 0.00
S.PERRY__115KV_TB1 80734	17.99 0.23 0.00	18.72 0.36 0.00	18.85 0.19 0.00	14.47 0.06 0.00	13.87 0.01 0.00	16.01 0.09 0.00	20.20 0.19 0.00	22.51 0.19 0.00	23.49 0.26 0.00	28.79 0.08 0.00	29.45 -0.22 0.00	24.36 -0.29 0.00	21.15 -0.45 0.00	22.73 -0.51 0.00	20.39 -0.53 0.00	21.87 -0.67 0.00	24.54 -0.72 0.00	24.14 -0.54 0.00	22.51 -0.60 0.00	20.34 -0.42 0.00	21.08 -0.37 0.00	20.64 -0.58 0.00	20.34 -0.60 0.00	17.50 -0.64 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	17.22 -0.54 0.00	17.96 -0.41 0.00	18.14 -0.52 0.00	13.98 -0.43 0.00	13.48 -0.38 0.00	15.57 -0.36 0.00	19.53 -0.49 0.00	21.57 -0.75 0.00	22.47 -0.76 0.00	27.54 -1.17 0.00	28.17 -1.50 0.00	23.24 -1.41 0.00	20.15 -1.45 0.00	21.69 -1.56 0.00	19.40 -1.52 0.00	20.87 -1.67 0.00	23.07 -2.19 0.00	22.46 -2.22 0.00	20.95 -2.15 0.00	19.07 -1.69 0.00	19.80 -1.65 0.00	19.47 -1.75 0.00	19.34 -1.59 0.00	16.70 -1.44 0.00
SAWYER___23_KV_LOAD 55526	17.22 -0.54 0.00	17.96 -0.41 0.00	18.14 -0.52 0.00	13.98 -0.43 0.00	13.48 -0.38 0.00	15.57 -0.36 0.00	19.53 -0.49 0.00	21.57 -0.75 0.00	22.47 -0.76 0.00	27.54 -1.17 0.00	28.17 -1.50 0.00	23.24 -1.41 0.00	20.15 -1.45 0.00	21.69 -1.56 0.00	19.40 -1.52 0.00	20.87 -1.67 0.00	23.07 -2.19 0.00	22.46 -2.22 0.00	20.95 -2.15 0.00	19.07 -1.69 0.00	19.80 -1.65 0.00	19.47 -1.75 0.00	19.34 -1.59 0.00	16.70 -1.44 0.00
SELKIRK___I 23801	17.96 0.20 0.00	18.49 0.13 0.00	18.78 0.13 0.00	14.55 0.14 0.00	13.99 0.14 0.00	16.09 0.16 0.00	20.20 0.19 0.00	22.60 0.28 0.00	23.52 0.28 0.00	29.06 0.35 0.00	30.08 0.42 0.00	25.05 0.40 0.00	22.03 0.43 0.00	23.75 0.51 0.00	21.41 0.49 0.00	23.10 0.57 0.00	25.93 0.67 0.00	25.39 0.71 0.00	23.62 0.51 0.00	21.13 0.37 0.00	21.84 0.39 0.00	21.61 0.39 0.00	21.25 0.31 0.00	18.40 0.26 0.00
SELKIRK___II 23799	17.90 0.14 0.00	18.43 0.06 0.00	18.70 0.05 0.00	14.49 0.08 0.00	13.93 0.07 0.00	16.01 0.09 0.00	20.11 0.10 0.00	22.52 0.20 0.00	23.44 0.21 0.00	28.97 0.27 0.00	30.00 0.33 0.00	24.98 0.34 0.00	21.98 0.38 0.00	23.70 0.45 0.00	21.36 0.44 0.00	23.04 0.50 0.00	25.88 0.61 0.00	25.35 0.67 0.00	23.58 0.47 0.00	21.09 0.33 0.00	21.79 0.34 0.00	21.57 0.35 0.00	21.20 0.27 0.00	18.35 0.21 0.00
SENECA OSWGO___HYD 24041	17.37 -0.39 0.00	17.97 -0.39 0.00	18.22 -0.43 0.00	14.07 -0.35 0.00	13.54 -0.32 0.00	15.58 -0.34 0.00	19.56 -0.45 0.00	21.76 -0.56 0.00	22.64 -0.59 0.00	27.92 -0.79 0.00	28.77 -0.90 0.00	23.90 -0.75 0.00	20.96 -0.65 0.00	22.57 -0.68 0.00	20.33 -0.60 0.00	21.88 -0.65 0.00	24.53 -0.73 0.00	24.01 -0.67 0.00	22.44 -0.67 0.00	20.19 -0.57 0.00	20.84 -0.61 0.00	20.59 -0.63 0.00	20.36 -0.58 0.00	17.62 -0.52 0.00



SENECA___115KV_TB3 355854	17.49 -0.27 0.00	18.23 -0.13 0.00	18.39 -0.26 0.00	14.16 -0.25 0.00	13.65 -0.21 0.00	15.76 -0.16 0.00	19.78 -0.23 0.00	21.89 -0.43 0.00	22.81 -0.42 0.00	27.97 -0.73 0.00	28.60 -1.07 0.00	23.60 -1.04 0.00	20.48 -1.12 0.00	22.04 -1.21 0.00	19.73 -1.19 0.00	21.23 -1.31 0.00	23.50 -1.76 0.00	22.93 -1.75 0.00	21.37 -1.73 0.00	19.41 -1.35 0.00	20.15 -1.30 0.00	19.80 -1.42 0.00	19.65 -1.28 0.00	16.95 -1.19 0.00
SENECA___ENERGY 23797	17.75 -0.02 0.00	18.36 -0.01 0.00	18.56 -0.09 0.00	14.32 -0.10 0.00	13.73 -0.12 0.00	15.85 -0.08 0.00	20.02 0.01 0.00	22.33 0.01 0.00	23.30 0.06 0.00	28.50 -0.21 0.00	29.10 -0.56 0.00	24.17 -0.48 0.00	21.15 -0.45 0.00	22.76 -0.48 0.00	20.47 -0.45 0.00	22.04 -0.50 0.00	24.66 -0.60 0.00	24.13 -0.55 0.00	22.56 -0.55 0.00	20.33 -0.43 0.00	21.00 -0.45 0.00	20.70 -0.53 0.00	20.41 -0.53 0.00	17.66 -0.48 0.00
SHOEMAKER___GT 23640	18.24 0.48 0.00	18.79 0.43 0.00	19.03 0.38 0.00	14.69 0.28 0.00	14.11 0.25 0.00	16.25 0.33 0.00	20.52 0.50 0.00	22.97 0.65 0.00	23.97 0.74 0.00	29.59 0.88 0.00	30.56 0.90 0.00	25.52 0.87 0.00	22.47 0.86 0.00	24.19 0.94 0.00	21.78 0.86 0.00	23.48 0.94 0.00	26.47 1.20 0.00	26.01 1.34 0.00	24.18 1.07 0.00	21.63 0.87 0.00	22.32 0.87 0.00	22.07 0.85 0.00	21.65 0.71 0.00	18.69 0.55 0.00
SHOEMAKR_138KV_BK 111 55601	18.24 0.48 0.00	18.79 0.43 0.00	19.03 0.38 0.00	14.69 0.28 0.00	14.11 0.25 0.00	16.25 0.33 0.00	20.52 0.51 0.00	22.97 0.65 0.00	23.97 0.74 0.00	29.59 0.88 0.00	30.57 0.90 0.00	25.53 0.87 0.00	22.47 0.86 0.00	24.20 0.95 0.00	21.79 0.88 0.00	23.48 0.95 0.00	26.47 1.21 0.00	26.02 1.34 0.00	24.19 1.08 0.00	21.63 0.87 0.00	22.32 0.87 0.00	22.08 0.86 0.00	21.65 0.71 0.00	18.70 0.55 0.00
SHOREHAM_IC_1 23715	18.84 1.08 0.00	19.38 1.02 0.00	19.62 0.97 0.00	15.14 0.73 0.00	14.56 0.71 0.00	16.78 0.85 0.00	21.21 1.20 0.00	23.85 1.53 0.00	24.94 1.71 0.00	30.21 1.50 0.00	31.18 1.52 0.00	26.13 1.48 0.00	23.13 1.52 0.00	24.87 1.62 0.00	22.38 1.46 0.00	24.03 1.49 0.00	27.27 2.01 0.00	26.87 2.19 0.00	24.88 1.77 0.00	22.21 1.45 0.00	22.82 1.36 0.00	22.67 1.45 0.00	22.32 1.38 0.00	19.57 1.34 -0.09
SHOREHAM_IC_2 23716	18.84 1.08 0.00	19.38 1.02 0.00	19.62 0.97 0.00	15.14 0.73 0.00	14.56 0.71 0.00	16.78 0.85 0.00	21.21 1.20 0.00	23.85 1.53 0.00	24.94 1.71 0.00	30.21 1.50 0.00	31.18 1.52 0.00	26.13 1.48 0.00	23.13 1.52 0.00	24.87 1.62 0.00	22.38 1.46 0.00	24.03 1.49 0.00	27.27 2.01 0.00	26.87 2.19 0.00	24.88 1.77 0.00	22.21 1.45 0.00	22.82 1.36 0.00	22.67 1.45 0.00	22.32 1.38 0.00	19.57 1.34 -0.09
SISSONVILLE____ 23735	17.76 0.00 0.00	18.47 0.10 0.00	18.90 0.25 0.00	14.62 0.20 0.00	14.07 0.22 0.00	16.00 0.07 0.00	19.98 -0.03 0.00	22.28 -0.03 0.00	23.16 -0.08 0.00	28.76 0.06 0.00	29.85 0.18 0.00	24.74 0.09 0.00	21.47 -0.13 0.00	22.99 -0.26 0.00	20.59 -0.33 0.00	22.15 -0.39 0.00	26.55 -0.67 -1.96	24.56 -0.69 -0.57	29.41 -0.44 -6.74	22.09 -0.28 -1.61	21.17 -0.28 0.00	20.99 -0.23 0.00	20.90 -0.03 0.00	18.24 0.10 0.00
SITHE_IND_GS1 24169	17.25 -0.52 0.00	17.83 -0.53 0.00	18.09 -0.56 0.00	13.98 -0.44 0.00	13.44 -0.41 0.00	15.46 -0.47 0.00	19.37 -0.64 0.00	21.50 -0.81 0.00	22.39 -0.85 0.00	27.61 -1.10 0.00	28.47 -1.20 0.00	23.65 -1.00 0.00	20.75 -0.85 0.00	22.32 -0.92 0.00	20.11 -0.81 0.00	21.65 -0.89 0.00	24.24 -1.02 0.00	23.69 -0.98 0.00	22.17 -0.94 0.00	19.96 -0.80 0.00	20.61 -0.84 0.00	20.38 -0.84 0.00	20.18 -0.75 0.00	17.49 -0.65 0.00
SITHE_IND_GS2 24170	17.25 -0.52 0.00	17.83 -0.53 0.00	18.09 -0.56 0.00	13.98 -0.44 0.00	13.44 -0.41 0.00	15.46 -0.47 0.00	19.37 -0.64 0.00	21.50 -0.81 0.00	22.39 -0.85 0.00	27.61 -1.10 0.00	28.47 -1.20 0.00	23.65 -1.00 0.00	20.75 -0.85 0.00	22.32 -0.92 0.00	20.11 -0.81 0.00	21.65 -0.89 0.00	24.24 -1.02 0.00	23.69 -0.98 0.00	22.17 -0.94 0.00	19.96 -0.80 0.00	20.61 -0.84 0.00	20.38 -0.84 0.00	20.18 -0.75 0.00	17.49 -0.65 0.00
SITHE_IND_GS3 24171	17.25 -0.52 0.00	17.83 -0.53 0.00	18.09 -0.56 0.00	13.98 -0.44 0.00	13.44 -0.41 0.00	15.46 -0.47 0.00	19.37 -0.64 0.00	21.50 -0.81 0.00	22.39 -0.85 0.00	27.61 -1.10 0.00	28.47 -1.20 0.00	23.65 -1.00 0.00	20.75 -0.85 0.00	22.32 -0.92 0.00	20.11 -0.81 0.00	21.65 -0.89 0.00	24.24 -1.02 0.00	23.69 -0.98 0.00	22.17 -0.94 0.00	19.96 -0.80 0.00	20.61 -0.84 0.00	20.38 -0.84 0.00	20.18 -0.75 0.00	17.49 -0.65 0.00
SITHE_IND_GS4 24172	17.25 -0.52 0.00	17.83 -0.53 0.00	18.09 -0.56 0.00	13.98 -0.44 0.00	13.44 -0.41 0.00	15.46 -0.47 0.00	19.37 -0.64 0.00	21.50 -0.81 0.00	22.39 -0.85 0.00	27.61 -1.10 0.00	28.47 -1.20 0.00	23.65 -1.00 0.00	20.75 -0.85 0.00	22.32 -0.92 0.00	20.11 -0.81 0.00	21.65 -0.89 0.00	24.24 -1.02 0.00	23.69 -0.98 0.00	22.17 -0.94 0.00	19.96 -0.80 0.00	20.61 -0.84 0.00	20.38 -0.84 0.00	20.18 -0.75 0.00	17.49 -0.65 0.00
SITHE___BATAVIA 24024	17.51 -0.25 0.00	18.24 -0.12 0.00	18.44 -0.21 0.00	14.22 -0.19 0.00	13.74 -0.12 0.00	15.90 -0.03 0.00	20.03 0.02 0.00	22.21 -0.11 0.00	23.17 -0.06 0.00	28.40 -0.31 0.00	29.10 -0.56 0.00	24.01 -0.64 0.00	20.86 -0.74 0.00	22.44 -0.81 0.00	20.11 -0.81 0.00	21.63 -0.90 0.00	24.03 -1.23 0.00	23.44 -1.24 0.00	21.87 -1.24 0.00	19.86 -0.90 0.00	20.58 -0.87 0.00	20.20 -1.02 0.00	20.02 -0.92 0.00	17.24 -0.90 0.00
SITHE___INDEPEND 23800	17.24 -0.52 0.00	17.83 -0.53 0.00	18.09 -0.56 0.00	13.98 -0.44 0.00	13.44 -0.41 0.00	15.46 -0.47 0.00	19.37 -0.64 0.00	21.50 -0.81 0.00	22.38 -0.85 0.00	27.61 -1.10 0.00	28.47 -1.20 0.00	23.65 -1.00 0.00	20.75 -0.85 0.00	22.32 -0.92 0.00	20.11 -0.81 0.00	21.65 -0.89 0.00	24.24 -1.02 0.00	23.70 -0.98 0.00	22.17 -0.94 0.00	19.95 -0.80 0.00	20.61 -0.84 0.00	20.38 -0.84 0.00	20.18 -0.75 0.00	17.50 -0.64 0.00
SITHE___MASSENA 23902	18.03 0.27 0.00	18.70 0.34 0.00	19.09 0.44 0.00	14.77 0.35 0.00	14.19 0.33 0.00	16.25 0.32 0.00	20.38 0.37 0.00	22.69 0.38 0.00	23.59 0.36 0.00	29.25 0.55 0.00	30.31 0.65 0.00	25.08 0.43 0.00	21.83 0.22 0.00	23.43 0.18 0.00	21.01 0.10 0.00	22.63 0.10 0.00	25.61 -0.01 -0.36	24.71 -0.07 -0.10	24.46 0.10 -1.25	21.25 0.19 -0.30	21.68 0.23 0.00	21.47 0.25 0.00	21.26 0.33 0.00	18.50 0.36 0.00
SITHE___OGDNSBRG 24021	18.21 0.45 0.00	18.91 0.54 0.00	19.31 0.66 0.00	14.95 0.54 0.00	14.37 0.52 0.00	16.42 0.50 0.00	20.62 0.61 0.00	23.01 0.69 0.00	23.93 0.69 0.00	29.67 0.96 0.00	30.76 1.10 0.00	25.46 0.81 0.00	22.16 0.56 0.00	23.77 0.52 0.00	21.28 0.36 0.00	22.91 0.37 0.00	26.86 0.26 -1.34	25.28 0.21 -0.39	28.11 0.39 -4.61	22.33 0.47 -1.10	21.96 0.51 0.00	21.73 0.51 0.00	21.53 0.60 0.00	18.74 0.59 0.00



SITHE___STERLING 23777	18.11 0.34 0.00	18.77 0.41 0.00	19.03 0.38 0.00	14.69 0.27 0.00	14.14 0.28 0.00	16.31 0.38 0.00	20.57 0.56 0.00	22.95 0.64 0.00	23.90 0.67 0.00	29.49 0.78 0.00	30.41 0.75 0.00	25.25 0.60 0.00	22.12 0.52 0.00	23.83 0.58 0.00	21.47 0.55 0.00	23.08 0.54 0.00	25.92 0.66 0.00	25.37 0.69 0.00	23.71 0.60 0.00	21.27 0.51 0.00	21.93 0.48 0.00	21.66 0.44 0.00	21.36 0.43 0.00	18.46 0.32 0.00
SLEIGHT__34_KV_TB1 80719	17.47 -0.29 0.00	18.11 -0.25 0.00	18.33 -0.32 0.00	14.15 -0.26 0.00	13.62 -0.24 0.00	15.73 -0.19 0.00	19.85 -0.16 0.00	22.09 -0.23 0.00	23.02 -0.21 0.00	28.26 -0.44 0.00	28.99 -0.68 0.00	24.01 -0.64 0.00	20.98 -0.63 0.00	22.60 -0.66 0.00	20.28 -0.64 0.00	21.85 -0.69 0.00	24.43 -0.83 0.00	23.84 -0.84 0.00	22.27 -0.84 0.00	20.11 -0.66 0.00	20.76 -0.69 0.00	20.46 -0.76 0.00	20.21 -0.73 0.00	17.46 -0.68 0.00
SOUTH CAIRO___GT 23612	18.41 0.65 0.00	18.91 0.55 0.00	19.20 0.55 0.00	14.91 0.49 0.00	14.35 0.49 0.00	16.53 0.60 0.00	20.82 0.81 0.00	23.40 1.08 0.00	24.37 1.13 0.00	30.11 1.40 0.00	31.18 1.51 0.00	25.89 1.24 0.00	22.77 1.17 0.00	24.59 1.35 0.00	22.19 1.27 0.00	24.03 1.50 0.00	26.98 1.72 0.00	26.46 1.78 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.70 1.25 0.00	22.38 1.16 0.00	21.95 1.01 0.00	18.96 0.82 0.00
SOUTH HAMPTN___IC 23720	19.00 1.24 0.00	19.54 1.17 0.00	19.77 1.12 0.00	15.27 0.86 0.00	14.69 0.83 0.00	16.95 1.02 0.00	21.44 1.43 0.00	24.11 1.79 0.00	25.23 2.00 0.00	30.62 1.92 0.00	31.61 1.95 0.00	26.47 1.82 0.00	23.42 1.82 0.00	25.20 1.95 0.00	22.67 1.75 0.00	24.34 1.81 0.00	27.64 2.37 0.00	27.24 2.56 0.00	25.22 2.11 0.00	22.51 1.75 0.00	23.12 1.67 0.00	22.96 1.74 0.00	22.57 1.63 0.00	19.76 1.52 -0.09
SOUTHDOW_115KV_TB1 355954	18.18 0.42 0.00	18.89 0.53 0.00	19.01 0.36 0.00	14.60 0.19 0.00	14.07 0.21 0.00	16.31 0.38 0.00	20.57 0.56 0.00	22.84 0.52 0.00	23.84 0.61 0.00	29.31 0.61 0.00	29.83 0.17 0.00	24.57 -0.08 0.00	21.26 -0.35 0.00	23.02 -0.23 0.00	20.69 -0.23 0.00	22.21 -0.33 0.00	24.70 -0.56 0.00	24.15 -0.52 0.00	22.40 -0.71 0.00	20.18 -0.58 0.00	20.97 -0.49 0.00	20.63 -0.59 0.00	20.46 -0.48 0.00	17.68 -0.46 0.00
SOUTHOLD_69_KV_BK 2 55809	19.20 1.44 0.00	19.73 1.37 0.00	19.96 1.31 0.00	15.43 1.02 0.00	14.86 1.00 0.00	17.15 1.22 0.00	21.73 1.71 0.00	24.44 2.12 0.00	25.59 2.35 0.00	31.04 2.33 0.00	32.07 2.40 0.00	26.81 2.16 0.00	23.75 2.15 0.00	25.56 2.31 0.00	22.97 2.05 0.00	24.69 2.15 0.00	28.06 2.80 0.00	27.69 3.01 0.00	25.64 2.53 0.00	22.88 2.12 0.00	23.49 2.04 0.00	23.31 2.09 0.00	22.88 1.95 0.00	20.01 1.78 -0.09
SOUTHOLD___IC 23719	19.20 1.44 0.00	19.73 1.37 0.00	19.96 1.31 0.00	15.43 1.02 0.00	14.86 1.00 0.00	17.15 1.22 0.00	21.73 1.71 0.00	24.45 2.13 0.00	25.58 2.35 0.00	31.04 2.33 0.00	32.06 2.40 0.00	26.81 2.16 0.00	23.75 2.15 0.00	25.56 2.31 0.00	22.99 2.07 0.00	24.69 2.15 0.00	28.06 2.80 0.00	27.69 3.01 0.00	25.64 2.53 0.00	22.87 2.11 0.00	23.49 2.04 0.00	23.31 2.09 0.00	22.88 1.94 0.00	20.01 1.77 -0.09
SOUTH_FORK_WT_PWR 323839	19.20 1.44 0.00	19.74 1.38 0.00	19.98 1.33 0.00	15.45 1.04 0.00	14.88 1.02 0.00	17.18 1.25 0.00	21.75 1.74 0.00	24.48 2.16 0.00	25.62 2.39 0.00	31.10 2.39 0.00	32.11 2.45 0.00	26.85 2.20 0.00	23.77 2.17 0.00	25.58 2.34 0.00	23.01 2.09 0.00	24.72 2.18 0.00	28.08 2.82 0.00	27.71 3.03 0.00	25.67 2.56 0.00	22.90 2.14 0.00	23.51 2.06 0.00	23.33 2.11 0.00	22.90 1.97 0.00	20.02 1.79 -0.09
SPIERFLS_115KV_TB 1 80737	18.42 0.65 0.00	18.97 0.61 0.00	19.17 0.52 0.00	14.82 0.41 0.00	14.21 0.35 0.00	16.41 0.49 0.00	20.81 0.80 0.00	23.40 1.08 0.00	24.35 1.12 0.00	30.15 1.45 0.00	31.21 1.55 0.00	25.94 1.29 0.00	22.89 1.29 0.00	24.87 1.62 0.00	22.34 1.43 0.00	24.15 1.62 0.00	26.97 1.71 0.00	26.50 1.82 0.00	24.62 1.51 0.00	21.98 1.22 0.00	22.66 1.21 0.00	22.45 1.23 0.00	22.07 1.13 0.00	19.06 0.92 0.00
ST LAWRENCE____ 23600	17.80 0.04 0.00	18.46 0.10 0.00	18.83 0.18 0.00	14.57 0.15 0.00	14.00 0.14 0.00	16.04 0.11 0.00	20.13 0.11 0.00	22.41 0.10 0.00	23.31 0.08 0.00	28.90 0.19 0.00	29.95 0.28 0.00	24.77 0.12 0.00	21.57 -0.03 0.00	23.16 -0.09 0.00	20.78 -0.14 0.00	22.38 -0.15 0.00	24.99 -0.28 0.00	24.32 -0.36 0.00	22.95 -0.16 0.00	20.72 -0.04 0.00	21.45 -0.01 0.00	21.24 0.02 0.00	21.02 0.08 0.00	18.27 0.13 0.00
STATE_CA_115KV_115_LB 55624	17.90 0.14 0.00	18.39 0.03 0.00	18.66 0.01 0.00	14.49 0.07 0.00	13.93 0.07 0.00	16.02 0.09 0.00	20.10 0.08 0.00	22.53 0.21 0.00	23.45 0.22 0.00	29.00 0.29 0.00	30.04 0.38 0.00	25.03 0.38 0.00	22.03 0.43 0.00	23.75 0.50 0.00	21.41 0.49 0.00	23.10 0.57 0.00	25.96 0.70 0.00	25.43 0.75 0.00	23.63 0.52 0.00	21.13 0.37 0.00	21.83 0.38 0.00	21.60 0.38 0.00	21.22 0.29 0.00	18.38 0.24 0.00
STATE_ST_34_KV_LOAD 55959	18.06 0.30 0.00	18.66 0.30 0.00	18.89 0.24 0.00	14.59 0.18 0.00	13.97 0.12 0.00	16.11 0.19 0.00	20.40 0.39 0.00	22.68 0.36 0.00	23.69 0.46 0.00	28.95 0.25 0.00	29.54 -0.13 0.00	24.49 -0.16 0.00	21.51 -0.10 0.00	23.18 -0.06 0.00	20.80 -0.13 0.00	22.45 -0.09 0.00	25.18 -0.08 0.00	24.58 -0.10 0.00	23.00 -0.10 0.00	20.72 -0.04 0.00	21.34 -0.11 0.00	21.09 -0.13 0.00	20.80 -0.13 0.00	18.02 -0.13 0.00
STATION 5_MISC_HYD 23604	17.40 -0.37 0.00	18.07 -0.30 0.00	18.29 -0.37 0.00	14.12 -0.30 0.00	13.61 -0.25 0.00	15.72 -0.21 0.00	19.79 -0.22 0.00	21.97 -0.35 0.00	22.90 -0.33 0.00	28.13 -0.58 0.00	28.88 -0.79 0.00	23.87 -0.78 0.00	20.80 -0.80 0.00	22.39 -0.85 0.00	20.10 -0.82 0.00	21.63 -0.91 0.00	24.09 -1.18 0.00	23.50 -1.18 0.00	21.95 -1.15 0.00	19.87 -0.89 0.00	20.57 -0.89 0.00	20.25 -0.97 0.00	20.04 -0.90 0.00	17.30 -0.84 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	17.66 -0.10 0.00	18.31 -0.06 0.00	18.52 -0.13 0.00	14.29 -0.12 0.00	13.76 -0.09 0.00	15.91 -0.02 0.00	20.06 0.05 0.00	22.34 0.02 0.00	23.30 0.06 0.00	28.58 -0.12 0.00	29.28 -0.39 0.00	24.26 -0.39 0.00	21.18 -0.42 0.00	22.81 -0.44 0.00	20.48 -0.44 0.00	22.06 -0.48 0.00	24.64 -0.63 0.00	24.08 -0.60 0.00	22.51 -0.60 0.00	20.33 -0.43 0.00	21.01 -0.44 0.00	20.68 -0.54 0.00	20.42 -0.52 0.00	17.64 -0.50 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	17.32 -0.44 0.00	17.98 -0.38 0.00	18.20 -0.45 0.00	14.05 -0.37 0.00	13.54 -0.31 0.00	15.65 -0.27 0.00	19.70 -0.31 0.00	21.88 -0.44 0.00	22.81 -0.42 0.00	28.03 -0.68 0.00	28.77 -0.90 0.00	23.81 -0.84 0.00	20.75 -0.85 0.00	22.34 -0.91 0.00	20.04 -0.87 0.00	21.58 -0.96 0.00	24.05 -1.21 0.00	23.47 -1.21 0.00	21.93 -1.18 0.00	19.83 -0.93 0.00	20.52 -0.93 0.00	20.21 -1.02 0.00	19.99 -0.95 0.00	17.26 -0.88 0.00



STA_56___34_KV_BUS2 355983	17.32 -0.44 0.00	17.98 -0.38 0.00	18.20 -0.45 0.00	14.05 -0.37 0.00	13.54 -0.31 0.00	15.65 -0.27 0.00	19.70 -0.31 0.00	21.88 -0.44 0.00	22.81 -0.42 0.00	28.03 -0.68 0.00	28.77 -0.90 0.00	23.81 -0.84 0.00	20.75 -0.85 0.00	22.34 -0.91 0.00	20.04 -0.87 0.00	21.58 -0.96 0.00	24.05 -1.21 0.00	23.47 -1.21 0.00	21.93 -1.18 0.00	19.83 -0.93 0.00	20.52 -0.93 0.00	20.21 -1.02 0.00	19.99 -0.95 0.00	17.26 -0.88 0.00
STA_67___115KV_BK2 355882	17.36 -0.40 0.00	18.04 -0.33 0.00	18.25 -0.39 0.00	14.09 -0.32 0.00	13.58 -0.27 0.00	15.69 -0.23 0.00	19.74 -0.27 0.00	21.91 -0.40 0.00	22.84 -0.39 0.00	28.06 -0.65 0.00	28.79 -0.87 0.00	23.81 -0.84 0.00	20.74 -0.86 0.00	22.34 -0.91 0.00	20.04 -0.88 0.00	21.57 -0.96 0.00	24.02 -1.25 0.00	23.42 -1.25 0.00	21.89 -1.22 0.00	19.81 -0.95 0.00	20.52 -0.94 0.00	20.19 -1.03 0.00	19.99 -0.95 0.00	17.27 -0.87 0.00
STA_7___115KV_9TRANS 80674	17.46 -0.30 0.00	18.14 -0.22 0.00	18.36 -0.30 0.00	14.16 -0.25 0.00	13.66 -0.20 0.00	15.78 -0.14 0.00	19.88 -0.13 0.00	22.07 -0.25 0.00	23.02 -0.21 0.00	28.27 -0.43 0.00	29.01 -0.66 0.00	23.99 -0.66 0.00	20.91 -0.69 0.00	22.51 -0.73 0.00	20.19 -0.73 0.00	21.75 -0.79 0.00	24.23 -1.04 0.00	23.65 -1.03 0.00	22.09 -1.02 0.00	19.98 -0.78 0.00	20.69 -0.76 0.00	20.36 -0.86 0.00	20.14 -0.79 0.00	17.39 -0.75 0.00
STA_82___115KV_TB1 80780	17.37 -0.39 0.00	18.05 -0.31 0.00	18.27 -0.38 0.00	14.10 -0.31 0.00	13.59 -0.26 0.00	15.71 -0.22 0.00	19.76 -0.25 0.00	21.94 -0.38 0.00	22.86 -0.37 0.00	28.08 -0.63 0.00	28.81 -0.86 0.00	23.82 -0.83 0.00	20.76 -0.84 0.00	22.35 -0.89 0.00	20.05 -0.87 0.00	21.58 -0.95 0.00	24.03 -1.23 0.00	23.45 -1.23 0.00	21.91 -1.20 0.00	19.82 -0.94 0.00	20.53 -0.93 0.00	20.21 -1.02 0.00	20.00 -0.93 0.00	17.28 -0.86 0.00
STEEL___WIND 323596	17.47 -0.29 0.00	18.22 -0.15 0.00	18.37 -0.28 0.00	14.15 -0.26 0.00	13.64 -0.21 0.00	15.75 -0.18 0.00	19.76 -0.25 0.00	21.85 -0.47 0.00	22.78 -0.46 0.00	27.93 -0.77 0.00	28.57 -1.09 0.00	23.57 -1.08 0.00	20.45 -1.16 0.00	22.00 -1.25 0.00	19.71 -1.21 0.00	21.20 -1.33 0.00	23.46 -1.80 0.00	22.88 -1.80 0.00	21.33 -1.78 0.00	19.37 -1.39 0.00	20.12 -1.34 0.00	19.76 -1.46 0.00	19.61 -1.32 0.00	16.91 -1.23 0.00
STEPHTWN_115KV_BK_2 55603	17.98 0.22 0.00	18.47 0.10 0.00	18.75 0.10 0.00	14.54 0.13 0.00	13.98 0.12 0.00	16.11 0.19 0.00	20.26 0.25 0.00	22.75 0.43 0.00	23.63 0.40 0.00	29.26 0.55 0.00	30.25 0.58 0.00	25.18 0.54 0.00	22.19 0.58 0.00	23.92 0.67 0.00	21.58 0.66 0.00	23.32 0.78 0.00	26.20 0.93 0.00	25.69 1.01 0.00	23.89 0.78 0.00	21.33 0.57 0.00	22.07 0.61 0.00	21.78 0.56 0.00	21.40 0.46 0.00	18.49 0.35 0.00
STEUBEN_REC_LFGE 323667	17.88 0.11 0.00	18.64 0.28 0.00	18.64 -0.01 0.00	14.16 -0.26 0.00	13.32 -0.53 0.00	15.32 -0.61 0.00	19.19 -0.82 0.00	21.31 -1.01 0.00	22.37 -0.87 0.00	27.50 -1.20 0.00	28.08 -1.59 0.00	23.36 -1.29 0.00	20.14 -1.46 0.00	21.62 -1.63 0.00	19.35 -1.57 0.00	20.81 -1.73 0.00	23.20 -2.06 0.00	22.96 -1.72 0.00	21.32 -1.79 0.00	19.29 -1.47 0.00	19.99 -1.46 0.00	19.50 -1.72 0.00	19.17 -1.77 0.00	16.58 -1.56 0.00
STILLWATER___SOLAR 323814	18.31 0.55 0.00	18.87 0.50 0.00	19.11 0.46 0.00	14.78 0.36 0.00	14.19 0.34 0.00	16.36 0.44 0.00	20.67 0.66 0.00	23.20 0.88 0.00	24.13 0.90 0.00	29.87 1.17 0.00	30.92 1.25 0.00	25.70 1.05 0.00	22.64 1.03 0.00	24.46 1.21 0.00	22.02 1.10 0.00	23.80 1.26 0.00	26.69 1.43 0.00	26.17 1.50 0.00	24.31 1.20 0.00	21.72 0.96 0.00	22.44 0.99 0.00	22.22 1.00 0.00	21.83 0.89 0.00	18.85 0.71 0.00
STONY___BROOK 24151	18.85 1.08 0.00	19.35 0.98 0.00	19.57 0.92 0.00	15.11 0.69 0.00	14.52 0.67 0.00	16.77 0.84 0.00	21.23 1.22 0.00	23.88 1.56 0.00	24.97 1.74 0.00	30.55 1.84 0.00	31.57 1.91 0.00	26.46 1.81 0.00	23.41 1.80 0.00	25.17 1.93 0.00	22.64 1.72 0.00	24.33 1.79 0.00	27.58 2.31 0.00	27.15 2.47 0.00	25.14 2.03 0.00	22.44 1.68 0.00	23.06 1.61 0.00	22.88 1.66 0.00	22.45 1.51 0.00	19.59 1.35 -0.09
STURGEON_POOL_HYD 23609	18.36 0.59 0.00	18.92 0.55 0.00	19.17 0.52 0.00	14.79 0.37 0.00	14.20 0.34 0.00	16.34 0.41 0.00	20.64 0.63 0.00	23.12 0.80 0.00	24.15 0.91 0.00	29.80 1.10 0.00	30.79 1.13 0.00	25.76 1.11 0.00	22.70 1.10 0.00	24.44 1.19 0.00	22.00 1.08 0.00	23.70 1.17 0.00	26.73 1.46 0.00	26.28 1.60 0.00	24.41 1.30 0.00	21.82 1.06 0.00	22.52 1.06 0.00	22.28 1.06 0.00	21.83 0.89 0.00	18.84 0.70 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	18.32 0.56 0.00	18.87 0.50 0.00	19.10 0.45 0.00	14.75 0.33 0.00	14.16 0.30 0.00	16.32 0.39 0.00	20.60 0.59 0.00	23.07 0.75 0.00	24.09 0.86 0.00	29.73 1.03 0.00	30.71 1.05 0.00	25.66 1.01 0.00	22.59 0.99 0.00	24.32 1.07 0.00	21.91 0.99 0.00	23.61 1.07 0.00	26.64 1.38 0.00	26.19 1.52 0.00	24.34 1.23 0.00	21.75 0.99 0.00	22.45 1.00 0.00	22.20 0.98 0.00	21.76 0.82 0.00	18.78 0.64 0.00
SWANROAD_115KV_TB1 355699	16.82 -0.94 0.00	17.56 -0.80 0.00	17.75 -0.90 0.00	13.69 -0.72 0.00	13.22 -0.64 0.00	15.25 -0.67 0.00	19.12 -0.89 0.00	21.08 -1.24 0.00	21.97 -1.26 0.00	26.88 -1.83 0.00	27.52 -2.15 0.00	22.70 -1.95 0.00	19.70 -1.91 0.00	21.18 -2.07 0.00	18.90 -2.02 0.00	20.34 -2.20 0.00	22.50 -2.76 0.00	21.86 -2.82 0.00	20.40 -2.71 0.00	18.61 -2.15 0.00	19.33 -2.13 0.00	19.00 -2.23 0.00	18.90 -2.03 0.00	16.32 -1.82 0.00
SYNERGY___BIOGAS 323694	17.51 -0.25 0.00	18.24 -0.12 0.00	18.44 -0.21 0.00	14.22 -0.19 0.00	13.74 -0.12 0.00	15.90 -0.03 0.00	20.03 0.02 0.00	22.21 -0.11 0.00	23.17 -0.06 0.00	28.40 -0.31 0.00	29.10 -0.56 0.00	24.01 -0.64 0.00	20.86 -0.74 0.00	22.44 -0.81 0.00	20.11 -0.81 0.00	21.63 -0.90 0.00	24.03 -1.23 0.00	23.44 -1.24 0.00	21.87 -1.24 0.00	19.86 -0.90 0.00	20.58 -0.87 0.00	20.20 -1.02 0.00	20.02 -0.92 0.00	17.24 -0.90 0.00
SYRACUSE___ENERGY_ST1 323597	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00
SYRACUSE___ENERGY_ST2 323598	17.84 0.08 0.00	18.45 0.08 0.00	18.69 0.04 0.00	14.43 0.01 0.00	13.87 0.01 0.00	15.98 0.05 0.00	20.13 0.12 0.00	22.41 0.09 0.00	23.35 0.12 0.00	28.57 -0.14 0.00	29.23 -0.43 0.00	24.29 -0.36 0.00	21.31 -0.29 0.00	22.95 -0.30 0.00	20.66 -0.26 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.40 -0.28 0.00	22.81 -0.30 0.00	20.51 -0.24 0.00	21.18 -0.27 0.00	20.93 -0.29 0.00	20.67 -0.26 0.00	17.89 -0.25 0.00



SYRACUSE___POWER 24017	17.70 -0.06 0.00	18.30 -0.06 0.00	18.55 -0.11 0.00	14.32 -0.10 0.00	13.77 -0.08 0.00	15.86 -0.06 0.00	19.95 -0.06 0.00	22.22 -0.10 0.00	23.14 -0.09 0.00	28.46 -0.24 0.00	29.24 -0.43 0.00	24.30 -0.35 0.00	21.31 -0.29 0.00	22.94 -0.30 0.00	20.67 -0.25 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.41 -0.27 0.00	22.80 -0.31 0.00	20.50 -0.26 0.00	21.20 -0.25 0.00	20.95 -0.27 0.00	20.69 -0.24 0.00	17.90 -0.24 0.00
TALLMAN___138KV_BK151 55660	18.40 0.63 0.00	18.94 0.58 0.00	19.17 0.52 0.00	14.79 0.38 0.00	14.20 0.34 0.00	16.37 0.44 0.00	20.69 0.67 0.00	23.17 0.86 0.00	24.21 0.98 0.00	29.87 1.17 0.00	30.85 1.19 0.00	25.78 1.13 0.00	22.69 1.09 0.00	24.43 1.18 0.00	22.01 1.09 0.00	23.72 1.18 0.00	26.77 1.51 0.00	26.34 1.66 0.00	24.47 1.36 0.00	21.86 1.10 0.00	22.56 1.10 0.00	22.30 1.08 0.00	21.85 0.91 0.00	18.85 0.71 0.00
TEALLAVE_115KV_TB7 355573	17.58 -0.18 0.00	18.18 -0.18 0.00	18.42 -0.23 0.00	14.23 -0.19 0.00	13.68 -0.17 0.00	15.76 -0.16 0.00	19.80 -0.21 0.00	22.05 -0.27 0.00	22.96 -0.27 0.00	28.24 -0.47 0.00	29.03 -0.64 0.00	24.12 -0.52 0.00	21.16 -0.44 0.00	22.78 -0.47 0.00	20.52 -0.40 0.00	22.09 -0.45 0.00	24.75 -0.51 0.00	24.21 -0.47 0.00	22.61 -0.49 0.00	20.34 -0.42 0.00	21.04 -0.41 0.00	20.81 -0.41 0.00	20.57 -0.37 0.00	17.79 -0.35 0.00
TELGRAPH_34_KV_EAST 80808	17.26 -0.50 0.00	18.00 -0.36 0.00	18.19 -0.46 0.00	14.03 -0.38 0.00	13.54 -0.32 0.00	15.65 -0.27 0.00	19.67 -0.34 0.00	21.76 -0.55 0.00	22.70 -0.54 0.00	27.80 -0.91 0.00	28.45 -1.21 0.00	23.48 -1.17 0.00	20.39 -1.21 0.00	21.94 -1.31 0.00	19.62 -1.30 0.00	21.11 -1.42 0.00	23.41 -1.86 0.00	22.80 -1.88 0.00	21.26 -1.85 0.00	19.33 -1.42 0.00	20.06 -1.39 0.00	19.71 -1.52 0.00	19.56 -1.38 0.00	16.87 -1.27 0.00
TEMPLE___115KV_TB 2 55572	17.59 -0.17 0.00	18.19 -0.17 0.00	18.43 -0.22 0.00	14.23 -0.18 0.00	13.69 -0.16 0.00	15.77 -0.16 0.00	19.81 -0.20 0.00	22.05 -0.27 0.00	22.96 -0.27 0.00	28.26 -0.45 0.00	29.05 -0.62 0.00	24.14 -0.51 0.00	21.17 -0.43 0.00	22.80 -0.45 0.00	20.53 -0.39 0.00	22.11 -0.43 0.00	24.77 -0.50 0.00	24.23 -0.45 0.00	22.63 -0.47 0.00	20.36 -0.41 0.00	21.06 -0.40 0.00	20.82 -0.40 0.00	20.58 -0.36 0.00	17.80 -0.34 0.00
TIANA___69_KV_BK 1 55817	18.96 1.20 0.00	19.49 1.13 0.00	19.73 1.08 0.00	15.23 0.82 0.00	14.65 0.79 0.00	16.90 0.98 0.00	21.39 1.37 0.00	24.04 1.73 0.00	25.17 1.93 0.00	30.55 1.84 0.00	31.53 1.87 0.00	26.40 1.76 0.00	23.37 1.76 0.00	25.15 1.90 0.00	22.60 1.68 0.00	24.28 1.75 0.00	27.57 2.31 0.00	27.17 2.49 0.00	25.16 2.05 0.00	22.46 1.70 0.00	23.07 1.62 0.00	22.90 1.68 0.00	22.51 1.58 0.00	19.71 1.48 -0.09
TILDEN___115KV_TB1 80814	17.70 -0.06 0.00	18.30 -0.06 0.00	18.55 -0.11 0.00	14.32 -0.10 0.00	13.77 -0.08 0.00	15.86 -0.06 0.00	19.95 -0.06 0.00	22.22 -0.10 0.00	23.14 -0.09 0.00	28.46 -0.24 0.00	29.24 -0.43 0.00	24.30 -0.35 0.00	21.31 -0.29 0.00	22.94 -0.30 0.00	20.67 -0.25 0.00	22.24 -0.29 0.00	24.94 -0.32 0.00	24.41 -0.27 0.00	22.80 -0.31 0.00	20.50 -0.26 0.00	21.20 -0.25 0.00	20.95 -0.27 0.00	20.69 -0.24 0.00	17.90 -0.24 0.00
TRIGEN___CC 323695	18.66 0.89 0.00	19.17 0.81 0.00	19.39 0.74 0.00	14.97 0.55 0.00	14.38 0.52 0.00	16.59 0.67 0.00	21.00 0.99 0.00	23.57 1.25 0.00	24.63 1.39 0.00	30.29 1.59 0.00	31.35 1.69 0.00	26.28 1.63 0.00	23.17 1.57 0.00	24.93 1.68 0.00	22.42 1.50 0.00	24.15 1.62 0.00	27.30 2.04 0.00	26.83 2.15 0.00	24.89 1.78 0.00	22.25 1.49 0.00	22.90 1.45 0.00	22.68 1.45 0.00	22.23 1.30 0.00	19.30 1.07 -0.09
TRINITY___115KV___4 BK 55933	17.84 0.08 0.00	18.33 -0.04 0.00	18.60 -0.06 0.00	14.43 0.02 0.00	13.88 0.02 0.00	15.96 0.03 0.00	20.02 0.00 0.00	22.44 0.12 0.00	23.34 0.10 0.00	28.87 0.16 0.00	29.91 0.24 0.00	24.91 0.26 0.00	21.93 0.33 0.00	23.65 0.40 0.00	21.32 0.40 0.00	23.00 0.46 0.00	25.83 0.57 0.00	25.31 0.63 0.00	23.52 0.41 0.00	21.02 0.26 0.00	21.73 0.28 0.00	21.50 0.28 0.00	21.13 0.19 0.00	18.30 0.16 0.00
UNION___PROCESSING_DRP 323587	17.38 -0.39 0.00	18.05 -0.31 0.00	18.27 -0.38 0.00	14.10 -0.31 0.00	13.60 -0.26 0.00	15.71 -0.21 0.00	19.77 -0.24 0.00	21.94 -0.38 0.00	22.88 -0.36 0.00	28.09 -0.62 0.00	28.83 -0.84 0.00	23.84 -0.81 0.00	20.77 -0.83 0.00	22.36 -0.89 0.00	20.06 -0.86 0.00	21.60 -0.94 0.00	24.05 -1.22 0.00	23.45 -1.23 0.00	21.91 -1.20 0.00	19.83 -0.92 0.00	20.54 -0.91 0.00	20.21 -1.00 0.00	20.01 -0.93 0.00	17.29 -0.85 0.00
UPPER HUDSON___HYD 24058	18.41 0.65 0.00	18.97 0.61 0.00	19.17 0.52 0.00	14.82 0.41 0.00	14.20 0.35 0.00	16.41 0.49 0.00	20.81 0.80 0.00	23.40 1.08 0.00	24.35 1.12 0.00	30.15 1.45 0.00	31.21 1.55 0.00	25.94 1.29 0.00	22.89 1.29 0.00	24.87 1.62 0.00	22.34 1.42 0.00	24.15 1.61 0.00	26.97 1.71 0.00	26.50 1.82 0.00	24.62 1.51 0.00	21.98 1.22 0.00	22.66 1.21 0.00	22.45 1.23 0.00	22.07 1.13 0.00	19.06 0.92 0.00
UPPER RAQUET___HYD 24056	17.76 0.00 0.00	18.47 0.10 0.00	18.90 0.25 0.00	14.62 0.20 0.00	14.07 0.22 0.00	16.00 0.08 0.00	19.98 -0.03 0.00	22.29 -0.03 0.00	23.16 -0.08 0.00	28.77 0.06 0.00	29.85 0.18 0.00	24.74 0.09 0.00	21.47 -0.13 0.00	22.99 -0.26 0.00	20.59 -0.33 0.00	22.15 -0.39 0.00	26.55 -0.68 -1.96	24.56 -0.69 -0.57	29.41 -0.44 -6.74	22.09 -0.28 -1.61	21.17 -0.28 0.00	20.99 -0.23 0.00	20.90 -0.03 0.00	18.24 0.10 0.00
VALLEY44_115KV_TB2 355964	18.01 0.25 0.00	18.75 0.39 0.00	18.88 0.24 0.00	14.54 0.13 0.00	13.98 0.13 0.00	16.19 0.26 0.00	20.37 0.36 0.00	22.66 0.34 0.00	23.65 0.42 0.00	28.95 0.24 0.00	29.49 -0.18 0.00	24.32 -0.33 0.00	21.13 -0.47 0.00	22.79 -0.46 0.00	20.48 -0.44 0.00	22.01 -0.53 0.00	24.46 -0.81 0.00	24.00 -0.68 0.00	22.40 -0.71 0.00	20.16 -0.60 0.00	20.95 -0.51 0.00	20.67 -0.55 0.00	20.56 -0.37 0.00	17.76 -0.38 0.00
VALLEY___115KV_TB 1-4 80826	17.58 -0.18 0.00	18.11 -0.25 0.00	18.27 -0.38 0.00	14.16 -0.26 0.00	13.55 -0.30 0.00	15.60 -0.33 0.00	19.84 -0.17 0.00	22.25 -0.07 0.00	23.08 -0.15 0.00	28.39 -0.32 0.00	29.31 -0.36 0.00	24.47 -0.18 0.00	21.56 -0.05 0.00	23.24 -0.01 0.00	20.98 0.06 0.00	22.64 0.10 0.00	25.47 0.20 0.00	25.01 0.33 0.00	23.27 0.16 0.00	20.82 0.06 0.00	21.66 0.21 0.00	21.39 0.17 0.00	20.95 0.01 0.00	18.10 -0.04 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	18.32 0.56 0.00	18.91 0.55 0.00	19.18 0.53 0.00	14.80 0.38 0.00	14.21 0.36 0.00	16.37 0.44 0.00	20.65 0.64 0.00	23.05 0.73 0.00	23.99 0.76 0.00	29.65 0.95 0.00	30.56 0.90 0.00	25.45 0.80 0.00	22.35 0.75 0.00	24.06 0.82 0.00	21.63 0.72 0.00	23.29 0.75 0.00	26.07 0.81 0.00	25.58 0.90 0.00	23.85 0.74 0.00	21.40 0.64 0.00	22.10 0.65 0.00	21.83 0.60 0.00	21.46 0.52 0.00	18.55 0.41 0.00



VISCHER___FERRY HYD 24020	18.06 0.30 0.00	18.60 0.24 0.00	18.84 0.19 0.00	14.58 0.16 0.00	14.01 0.16 0.00	16.12 0.20 0.00	20.32 0.31 0.00	22.79 0.47 0.00	23.70 0.46 0.00	29.34 0.64 0.00	30.40 0.73 0.00	25.30 0.65 0.00	22.28 0.67 0.00	24.04 0.79 0.00	21.65 0.73 0.00	23.39 0.85 0.00	26.25 0.98 0.00	25.71 1.03 0.00	23.87 0.75 0.00	21.32 0.56 0.00	22.06 0.61 0.00	21.85 0.63 0.00	21.46 0.52 0.00	18.55 0.41 0.00
V_A_10_SYNC_DSASP 323832	17.02 -0.74 0.00	17.73 -0.63 0.00	17.93 -0.72 0.00	13.83 -0.58 0.00	13.34 -0.52 0.00	15.41 -0.52 0.00	19.34 -0.68 0.00	21.38 -0.94 0.00	22.28 -0.95 0.00	27.31 -1.39 0.00	27.98 -1.69 0.00	23.08 -1.57 0.00	20.05 -1.56 0.00	21.58 -1.66 0.00	19.34 -1.58 0.00	20.80 -1.74 0.00	23.05 -2.21 0.00	22.43 -2.25 0.00	20.94 -2.16 0.00	19.03 -1.73 0.00	19.75 -1.70 0.00	19.45 -1.78 0.00	19.31 -1.63 0.00	16.68 -1.46 0.00
V_CMM_10_SYNC_DSASP 323787	17.89 0.12 0.00	18.54 0.18 0.00	18.92 0.27 0.00	14.64 0.22 0.00	14.06 0.21 0.00	16.12 0.20 0.00	20.23 0.22 0.00	22.52 0.20 0.00	23.42 0.19 0.00	29.04 0.33 0.00	30.08 0.42 0.00	24.89 0.24 0.00	21.67 0.07 0.00	23.27 0.02 0.00	20.88 -0.04 0.00	22.48 -0.05 0.00	25.05 -0.21 0.00	24.38 -0.30 0.00	23.05 -0.05 0.00	20.82 0.06 0.00	21.54 0.09 0.00	21.34 0.12 0.00	21.11 0.18 0.00	18.35 0.21 0.00
V_CMP_10_SYNC_DSASP 323788	17.36 -0.40 0.00	18.09 -0.28 0.00	18.81 0.15 0.00	14.67 0.26 0.00	14.22 0.36 0.00	16.39 0.47 0.00	20.51 0.50 0.00	22.90 0.58 0.00	23.86 0.63 0.00	30.10 1.39 0.00	31.53 1.87 0.00	25.89 1.25 0.00	22.20 0.60 0.00	23.21 -0.04 0.00	20.73 -0.19 0.00	22.29 -0.25 0.00	11.88 -0.66 12.72	20.32 -0.68 3.68	-21.10 -0.52 43.70	10.17 -0.15 10.43	21.40 -0.05 0.00	21.40 0.18 0.00	21.24 0.31 0.00	18.48 0.34 0.00
V_D_10_SYNC_DSASP 323841	18.03 0.27 0.00	18.70 0.34 0.00	19.09 0.44 0.00	14.77 0.35 0.00	14.19 0.33 0.00	16.25 0.32 0.00	20.38 0.36 0.00	22.69 0.37 0.00	23.59 0.36 0.00	29.25 0.54 0.00	30.31 0.64 0.00	25.08 0.43 0.00	21.83 0.22 0.00	23.43 0.18 0.00	21.01 0.10 0.00	22.63 0.09 0.00	25.59 -0.01 -0.34	24.71 -0.07 -0.10	24.38 0.10 -1.17	21.23 0.19 -0.28	21.68 0.23 0.00	21.47 0.25 0.00	21.26 0.33 0.00	18.49 0.35 0.00
V_E_10_SYNC_DSASP 323830	18.99 1.23 0.00	19.59 1.23 0.00	19.83 1.18 0.00	15.13 0.71 0.00	14.50 0.64 0.00	16.85 0.92 0.00	21.33 1.32 0.00	23.50 1.18 0.00	24.39 1.16 0.00	30.12 1.42 0.00	30.84 1.18 0.00	25.72 1.06 0.00	22.63 1.02 0.00	24.40 1.16 0.00	21.98 1.06 0.00	23.72 1.18 0.00	26.77 1.51 0.00	26.47 1.80 0.00	24.76 1.65 0.00	22.35 1.59 0.00	23.01 1.56 0.00	22.64 1.42 0.00	22.17 1.23 0.00	19.09 0.95 0.00
V_F_30_NSYNC___DSASP 323816	18.33 0.57 0.00	18.89 0.53 0.00	19.14 0.49 0.00	14.80 0.39 0.00	14.22 0.36 0.00	16.39 0.47 0.00	20.71 0.70 0.00	23.22 0.91 0.00	24.17 0.94 0.00	29.92 1.21 0.00	30.96 1.30 0.00	25.74 1.09 0.00	22.67 1.06 0.00	24.49 1.24 0.00	22.04 1.12 0.00	23.83 1.30 0.00	26.72 1.45 0.00	26.20 1.52 0.00	24.35 1.24 0.00	21.76 1.00 0.00	22.47 1.02 0.00	22.25 1.03 0.00	21.86 0.93 0.00	18.88 0.74 0.00
V_F_30_SYNC_DSASP 323786	17.90 0.13 0.00	18.39 0.03 0.00	18.66 0.01 0.00	14.49 0.07 0.00	13.93 0.07 0.00	16.02 0.09 0.00	20.10 0.08 0.00	22.53 0.21 0.00	23.45 0.22 0.00	29.00 0.29 0.00	30.04 0.37 0.00	25.02 0.37 0.00	22.03 0.42 0.00	23.75 0.50 0.00	21.41 0.49 0.00	23.10 0.56 0.00	25.96 0.69 0.00	25.43 0.75 0.00	23.63 0.52 0.00	21.12 0.37 0.00	21.83 0.38 0.00	21.60 0.38 0.00	21.22 0.28 0.00	18.37 0.23 0.00
V_XM_10_SYNC_DSASP 323789	17.36 -0.40 0.00	18.09 -0.28 0.00	18.81 0.15 0.00	14.67 0.26 0.00	14.22 0.36 0.00	16.39 0.47 0.00	20.51 0.50 0.00	22.90 0.58 0.00	23.86 0.63 0.00	30.10 1.39 0.00	31.53 1.87 0.00	25.89 1.25 0.00	22.20 0.60 0.00	23.21 -0.04 0.00	20.73 -0.19 0.00	22.29 -0.25 0.00	11.88 -0.66 12.72	20.32 -0.68 3.68	-21.10 -0.52 43.70	10.17 -0.15 10.43	21.40 -0.05 0.00	21.40 0.18 0.00	21.24 0.31 0.00	18.48 0.34 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	18.45 0.69 0.00	19.00 0.64 0.00	19.22 0.57 0.00	14.84 0.42 0.00	14.24 0.38 0.00	16.42 0.50 0.00	20.75 0.74 0.00	23.26 0.94 0.00	24.30 1.07 0.00	29.98 1.28 0.00	30.97 1.30 0.00	25.88 1.23 0.00	22.79 1.18 0.00	24.52 1.28 0.00	22.10 1.18 0.00	23.81 1.28 0.00	26.88 1.62 0.00	26.45 1.77 0.00	24.56 1.46 0.00	21.94 1.18 0.00	22.64 1.20 0.00	22.39 1.17 0.00	21.93 0.99 0.00	18.92 0.78 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	18.51 0.75 0.00	19.04 0.68 0.00	19.27 0.61 0.00	14.88 0.46 0.00	14.28 0.42 0.00	16.45 0.52 0.00	20.78 0.77 0.00	23.30 0.98 0.00	24.35 1.12 0.00	30.01 1.30 0.00	31.04 1.37 0.00	25.98 1.33 0.00	22.89 1.29 0.00	24.63 1.38 0.00	22.18 1.27 0.00	23.91 1.38 0.00	26.95 1.68 0.00	26.51 1.83 0.00	24.61 1.50 0.00	21.98 1.22 0.00	22.67 1.22 0.00	22.42 1.20 0.00	21.95 1.01 0.00	18.96 0.82 0.00
W50THST__13_KV_LOAD 356117	18.64 0.88 0.00	19.17 0.81 0.00	19.39 0.74 0.00	14.97 0.56 0.00	14.37 0.51 0.00	16.56 0.64 0.00	20.93 0.92 0.00	23.48 1.17 0.00	24.56 1.32 0.00	30.26 1.56 0.00	31.29 1.63 0.00	26.21 1.56 0.00	23.10 1.49 0.00	24.83 1.58 0.00	22.36 1.44 0.00	24.11 1.57 0.00	27.15 1.88 0.00	26.69 2.02 0.00	24.76 1.65 0.00	22.11 1.35 0.00	22.81 1.36 0.00	22.56 1.34 0.00	22.07 1.14 0.00	19.07 0.93 0.00
WADING RIVER_IC_1 23522	18.84 1.07 0.00	19.38 1.02 0.00	19.61 0.96 0.00	15.14 0.72 0.00	14.56 0.71 0.00	16.77 0.84 0.00	21.20 1.18 0.00	23.84 1.52 0.00	24.93 1.70 0.00	30.17 1.47 0.00	31.15 1.48 0.00	26.10 1.45 0.00	23.11 1.50 0.00	24.85 1.60 0.00	22.35 1.44 0.00	24.00 1.47 0.00	27.25 1.98 0.00	26.84 2.16 0.00	24.85 1.75 0.00	22.19 1.43 0.00	22.79 1.34 0.00	22.64 1.42 0.00	22.29 1.35 0.00	19.56 1.32 -0.09
WADING RIVER_IC_2 23547	18.84 1.07 0.00	19.38 1.02 0.00	19.61 0.96 0.00	15.14 0.72 0.00	14.56 0.71 0.00	16.77 0.84 0.00	21.20 1.18 0.00	23.84 1.52 0.00	24.93 1.70 0.00	30.17 1.47 0.00	31.15 1.48 0.00	26.10 1.45 0.00	23.11 1.50 0.00	24.85 1.60 0.00	22.35 1.44 0.00	24.00 1.47 0.00	27.25 1.98 0.00	26.84 2.16 0.00	24.85 1.75 0.00	22.19 1.43 0.00	22.79 1.34 0.00	22.64 1.42 0.00	22.29 1.35 0.00	19.56 1.32 -0.09
WADING RIVER_IC_3 23601	18.84 1.07 0.00	19.38 1.02 0.00	19.61 0.96 0.00	15.14 0.72 0.00	14.56 0.71 0.00	16.77 0.84 0.00	21.20 1.18 0.00	23.84 1.52 0.00	24.93 1.70 0.00	30.17 1.47 0.00	31.15 1.48 0.00	26.10 1.45 0.00	23.11 1.50 0.00	24.85 1.60 0.00	22.35 1.44 0.00	24.00 1.47 0.00	27.25 1.98 0.00	26.84 2.16 0.00	24.85 1.75 0.00	22.19 1.43 0.00	22.79 1.34 0.00	22.64 1.42 0.00	22.29 1.35 0.00	19.56 1.32 -0.09



WALDENNY_12_KV_BK2 80841	17.46 -0.30 0.00	18.20 -0.17 0.00	18.36 -0.29 0.00	14.15 -0.27 0.00	13.63 -0.22 0.00	15.74 -0.19 0.00	19.76 -0.25 0.00	21.86 -0.46 0.00	22.79 -0.44 0.00	27.94 -0.76 0.00	28.59 -1.08 0.00	23.59 -1.06 0.00	20.47 -1.13 0.00	22.03 -1.21 0.00	19.72 -1.20 0.00	21.21 -1.33 0.00	23.49 -1.77 0.00	22.91 -1.76 0.00	21.35 -1.76 0.00	19.40 -1.36 0.00	20.13 -1.33 0.00	19.78 -1.44 0.00	19.63 -1.30 0.00	16.93 -1.21 0.00
WALDEN___HYDRO 24148	18.47 0.71 0.00	19.01 0.65 0.00	19.25 0.60 0.00	14.85 0.44 0.00	14.26 0.41 0.00	16.45 0.52 0.00	20.79 0.78 0.00	23.31 0.99 0.00	24.33 1.10 0.00	30.02 1.31 0.00	31.00 1.33 0.00	25.89 1.24 0.00	22.81 1.21 0.00	24.58 1.32 0.00	22.12 1.20 0.00	23.81 1.27 0.00	26.93 1.66 0.00	26.51 1.83 0.00	24.63 1.53 0.00	22.02 1.26 0.00	22.71 1.26 0.00	22.45 1.23 0.00	21.98 1.05 0.00	18.97 0.83 0.00
WARRENSBURG___ 23737	18.41 0.65 0.00	18.97 0.61 0.00	19.17 0.52 0.00	14.82 0.41 0.00	14.20 0.35 0.00	16.41 0.49 0.00	20.81 0.80 0.00	23.40 1.08 0.00	24.35 1.12 0.00	30.15 1.45 0.00	31.21 1.55 0.00	25.94 1.29 0.00	22.89 1.29 0.00	24.87 1.62 0.00	22.34 1.42 0.00	24.15 1.61 0.00	26.97 1.71 0.00	26.50 1.82 0.00	24.62 1.51 0.00	21.98 1.22 0.00	22.66 1.21 0.00	22.45 1.23 0.00	22.07 1.13 0.00	19.06 0.92 0.00
WATERSIDE___6 8 9 23538	18.58 0.81 0.00	19.11 0.74 0.00	19.32 0.67 0.00	14.92 0.50 0.00	14.32 0.47 0.00	16.49 0.57 0.00	20.87 0.86 0.00	23.36 1.04 0.00	24.43 1.20 0.00	30.09 1.38 0.00	31.13 1.47 0.00	26.05 1.40 0.00	22.94 1.33 0.00	24.66 1.41 0.00	22.22 1.30 0.00	23.95 1.41 0.00	27.00 1.73 0.00	26.57 1.89 0.00	24.64 1.53 0.00	22.03 1.27 0.00	22.71 1.26 0.00	22.48 1.26 0.00	22.01 1.07 0.00	19.01 0.87 0.00
WATKINRD_115KV_LN8_ILLION 55919	17.69 -0.08 0.00	18.24 -0.13 0.00	18.46 -0.19 0.00	14.28 -0.13 0.00	13.71 -0.15 0.00	15.77 -0.15 0.00	19.94 -0.07 0.00	22.33 0.01 0.00	23.21 -0.02 0.00	28.64 -0.07 0.00	29.61 -0.06 0.00	24.68 0.03 0.00	21.71 0.11 0.00	23.40 0.15 0.00	21.11 0.19 0.00	22.77 0.24 0.00	25.60 0.33 0.00	25.11 0.43 0.00	23.39 0.28 0.00	20.92 0.16 0.00	21.66 0.21 0.00	21.40 0.18 0.00	21.01 0.07 0.00	18.15 0.01 0.00
WATSON___69_KV_BK 1 55734	19.02 1.26 0.00	19.52 1.15 0.00	19.75 1.10 0.00	15.24 0.82 0.00	14.65 0.80 0.00	16.93 1.01 0.00	21.46 1.44 0.00	24.12 1.80 0.00	25.23 2.00 0.00	30.91 2.20 0.00	31.94 2.27 0.00	26.76 2.11 0.00	23.67 2.06 0.00	25.44 2.19 0.00	22.85 1.93 0.00	24.59 2.05 0.00	27.88 2.62 0.00	27.46 2.78 0.00	25.43 2.33 0.00	22.72 1.96 0.00	23.35 1.90 0.00	23.14 1.93 0.00	22.69 1.76 0.00	19.77 1.53 -0.09
WDELAWARE___HYD 323627	18.61 0.85 0.00	19.26 0.90 0.00	19.50 0.85 0.00	15.04 0.63 0.00	14.45 0.59 0.00	16.66 0.74 0.00	21.07 1.06 0.00	23.62 1.30 0.00	24.65 1.42 0.00	30.42 1.71 0.00	31.38 1.72 0.00	26.23 1.58 0.00	23.09 1.49 0.00	24.89 1.64 0.00	22.39 1.47 0.00	24.09 1.55 0.00	27.25 1.99 0.00	26.82 2.14 0.00	24.94 1.83 0.00	22.29 1.53 0.00	23.00 1.55 0.00	22.73 1.51 0.00	22.25 1.32 0.00	19.19 1.05 0.00
WEST BABYLON___IC 23714	18.97 1.21 0.00	19.47 1.10 0.00	19.70 1.05 0.00	15.20 0.79 0.00	14.61 0.76 0.00	16.88 0.96 0.00	21.39 1.38 0.00	24.03 1.71 0.00	25.14 1.91 0.00	30.83 2.13 0.00	31.89 2.22 0.00	26.72 2.07 0.00	23.62 2.02 0.00	25.39 2.14 0.00	22.79 1.87 0.00	24.54 2.01 0.00	27.82 2.56 0.00	27.39 2.72 0.00	25.38 2.27 0.00	22.67 1.91 0.00	23.31 1.86 0.00	23.10 1.88 0.00	22.64 1.70 0.00	19.70 1.47 -0.09
WEST CANADA___HYD 24049	17.76 -0.01 0.00	18.36 -0.01 0.00	18.64 -0.02 0.00	14.40 -0.01 0.00	13.84 -0.01 0.00	15.91 -0.01 0.00	20.00 -0.01 0.00	22.32 0.00 0.00	23.23 0.00 0.00	28.70 -0.01 0.00	29.67 0.01 0.00	24.70 0.05 0.00	21.66 0.06 0.00	23.33 0.09 0.00	21.01 0.08 0.00	22.63 0.09 0.00	25.40 0.14 0.00	24.86 0.19 0.00	23.23 0.12 0.00	20.83 0.07 0.00	21.50 0.05 0.00	21.25 0.03 0.00	20.96 0.02 0.00	18.15 0.01 0.00
WESTERN_NY_WIND 24143	17.49 -0.27 0.00	18.22 -0.14 0.00	18.41 -0.23 0.00	14.21 -0.21 0.00	13.72 -0.14 0.00	15.88 -0.05 0.00	20.00 -0.01 0.00	22.17 -0.15 0.00	23.14 -0.10 0.00	28.35 -0.36 0.00	29.02 -0.64 0.00	23.96 -0.69 0.00	20.82 -0.79 0.00	22.39 -0.86 0.00	20.05 -0.87 0.00	21.58 -0.96 0.00	23.96 -1.30 0.00	23.37 -1.31 0.00	21.81 -1.30 0.00	19.80 -0.96 0.00	20.53 -0.92 0.00	20.15 -1.07 0.00	19.97 -0.96 0.00	17.21 -0.93 0.00
WESTOVER___LESR 323668	17.79 0.03 0.00	18.42 0.05 0.00	18.63 -0.02 0.00	14.36 -0.05 0.00	13.80 -0.05 0.00	15.91 -0.01 0.00	20.01 0.00 0.00	22.34 0.02 0.00	23.28 0.05 0.00	28.71 0.00 0.00	29.47 -0.19 0.00	24.54 -0.11 0.00	21.48 -0.12 0.00	23.14 -0.10 0.00	20.87 -0.05 0.00	22.42 -0.12 0.00	25.14 -0.12 0.00	24.72 0.05 0.00	23.05 -0.06 0.00	20.68 -0.07 0.00	21.38 -0.07 0.00	21.10 -0.12 0.00	20.82 -0.12 0.00	17.97 -0.17 0.00
WETHRSFD_WT_PWR 323626	17.43 -0.33 0.00	18.16 -0.20 0.00	18.24 -0.41 0.00	14.00 -0.42 0.00	13.39 -0.47 0.00	15.39 -0.53 0.00	19.32 -0.69 0.00	21.40 -0.91 0.00	22.32 -0.92 0.00	27.35 -1.35 0.00	28.02 -1.65 0.00	23.17 -1.48 0.00	20.10 -1.51 0.00	21.54 -1.70 0.00	19.30 -1.62 0.00	20.78 -1.75 0.00	23.08 -2.19 0.00	22.62 -2.06 0.00	21.07 -2.04 0.00	19.09 -1.67 0.00	19.82 -1.64 0.00	19.43 -1.79 0.00	19.17 -1.76 0.00	16.52 -1.62 0.00
WHAVSTOR_138KV_BK127 55557	18.38 0.62 0.00	18.92 0.56 0.00	19.15 0.50 0.00	14.78 0.37 0.00	14.19 0.34 0.00	16.36 0.43 0.00	20.67 0.66 0.00	23.15 0.83 0.00	24.19 0.95 0.00	29.84 1.14 0.00	30.82 1.16 0.00	25.76 1.11 0.00	22.68 1.08 0.00	24.41 1.17 0.00	22.00 1.08 0.00	23.71 1.17 0.00	26.75 1.49 0.00	26.32 1.64 0.00	24.44 1.33 0.00	21.84 1.08 0.00	22.54 1.08 0.00	22.29 1.07 0.00	21.83 0.89 0.00	18.85 0.71 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	18.38 0.62 0.00	18.92 0.56 0.00	19.15 0.50 0.00	14.78 0.37 0.00	14.19 0.34 0.00	16.36 0.43 0.00	20.67 0.66 0.00	23.15 0.83 0.00	24.19 0.95 0.00	29.84 1.14 0.00	30.82 1.16 0.00	25.76 1.11 0.00	22.68 1.08 0.00	24.41 1.17 0.00	22.00 1.08 0.00	23.71 1.17 0.00	26.75 1.49 0.00	26.32 1.64 0.00	24.44 1.33 0.00	21.84 1.08 0.00	22.54 1.08 0.00	22.29 1.07 0.00	21.83 0.89 0.00	18.85 0.71 0.00
WHITEHAL_115KV_TB1 80871	18.53 0.77 0.00	19.07 0.70 0.00	19.29 0.64 0.00	14.89 0.48 0.00	14.33 0.47 0.00	16.70 0.77 0.00	21.40 1.39 0.00	24.21 1.89 0.00	25.11 1.87 0.00	31.20 2.49 0.00	32.28 2.61 0.00	26.74 2.09 0.00	23.65 2.05 0.00	25.66 2.41 0.00	22.95 2.03 0.00	24.90 2.36 0.00	27.74 2.48 0.00	27.32 2.64 0.00	25.11 2.01 0.00	22.31 1.55 0.00	22.97 1.52 0.00	22.96 1.74 0.00	22.55 1.61 0.00	19.41 1.27 0.00



WHITEPLN_13_KV_LOAD 356215	18.60 0.84 0.00	19.14 0.78 0.00	19.36 0.71 0.00	14.95 0.53 0.00	14.35 0.49 0.00	16.54 0.61 0.00	20.91 0.90 0.00	23.46 1.14 0.00	24.51 1.28 0.00	30.25 1.55 0.00	31.28 1.61 0.00	26.16 1.51 0.00	23.04 1.44 0.00	24.81 1.56 0.00	22.34 1.42 0.00	24.09 1.55 0.00	27.17 1.91 0.00	26.73 2.06 0.00	24.81 1.70 0.00	22.16 1.40 0.00	22.85 1.40 0.00	22.59 1.37 0.00	22.11 1.17 0.00	19.09 0.95 0.00
WM_FLOYD_69_KV_BK2 356380	18.89 1.13 0.00	19.41 1.05 0.00	19.64 0.99 0.00	15.16 0.74 0.00	14.58 0.72 0.00	16.82 0.89 0.00	21.29 1.28 0.00	23.93 1.61 0.00	25.05 1.81 0.00	30.48 1.77 0.00	31.43 1.77 0.00	26.34 1.70 0.00	23.32 1.72 0.00	25.09 1.85 0.00	22.56 1.64 0.00	24.24 1.70 0.00	27.50 2.24 0.00	27.08 2.40 0.00	25.08 1.97 0.00	22.39 1.63 0.00	23.00 1.55 0.00	22.84 1.62 0.00	22.44 1.51 0.00	19.63 1.39 -0.09
WOODARD__115KV_TB2 355635	17.57 -0.20 0.00	18.16 -0.20 0.00	18.40 -0.25 0.00	14.22 -0.20 0.00	13.67 -0.19 0.00	15.74 -0.19 0.00	19.78 -0.23 0.00	22.01 -0.31 0.00	22.93 -0.31 0.00	28.19 -0.52 0.00	28.97 -0.70 0.00	24.08 -0.57 0.00	21.12 -0.48 0.00	22.74 -0.51 0.00	20.47 -0.45 0.00	22.04 -0.49 0.00	24.70 -0.57 0.00	24.16 -0.51 0.00	22.58 -0.53 0.00	20.31 -0.45 0.00	20.99 -0.46 0.00	20.75 -0.47 0.00	20.51 -0.42 0.00	17.75 -0.39 0.00
YORK___WARBASSE 23770	18.63 0.87 0.00	19.16 0.80 0.00	19.37 0.72 0.00	14.96 0.54 0.00	14.37 0.51 0.00	16.57 0.64 0.00	21.02 1.00 -0.01	23.49 1.17 0.00	24.59 1.35 -0.01	30.27 1.56 0.00	31.27 1.60 0.00	26.07 1.42 0.00	22.93 1.33 0.00	24.71 1.47 0.00	22.24 1.32 0.00	23.98 1.44 0.00	26.98 1.72 0.00	26.59 1.91 0.00	24.68 1.57 0.00	22.08 1.32 0.00	22.77 1.31 0.00	22.50 1.28 0.00	22.01 1.07 0.00	18.99 0.85 0.00