

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

04/23/2024

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	17.07	17.46	12.44	12.08	14.82	21.14	20.10	20.48	16.37	16.26	16.82	7.89	16.01	14.58	16.67	17.28	19.25	19.49	34.05	72.60	29.49	27.85	18.47	18.02
24138	1.11	1.09	0.82	0.79	1.00	1.36	1.38	1.49	1.20	1.26	1.20	0.26	0.22	0.27	0.92	1.05	1.34	1.32	2.14	5.07	2.05	1.67	1.16	1.16
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28	-1.55	-4.45	-12.96	-10.67	-3.61	-2.75	-0.62	0.00	0.00	-0.35	0.00	0.00	0.00
74TH STREET_GT_1	17.05	17.42	12.42	12.06	14.79	21.10	20.07	20.44	16.33	16.21	16.81	7.98	16.28	14.80	16.70	17.29	19.20	19.43	33.96	72.36	29.43	27.82	18.45	18.00
24260	1.09	1.06	0.80	0.77	0.98	1.32	1.35	1.44	1.16	1.20	1.15	0.25	0.21	0.26	0.88	1.00	1.29	1.26	2.05	4.83	1.99	1.64	1.14	1.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28	-1.58	-4.55	-13.24	-10.91	-3.69	-2.81	-0.63	0.00	0.00	-0.36	0.00	0.00	0.00
74TH STREET_GT_2	17.05	17.42	12.42	12.06	14.79	21.10	20.07	20.44	16.33	16.21	16.81	7.98	16.28	14.80	16.70	17.29	19.20	19.43	33.96	72.36	29.43	27.82	18.45	18.00
24261	1.09	1.06	0.80	0.77	0.98	1.32	1.35	1.44	1.16	1.20	1.15	0.25	0.21	0.26	0.88	1.00	1.29	1.26	2.05	4.83	1.99	1.64	1.14	1.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.28	-1.58	-4.55	-13.24	-10.91	-3.69	-2.81	-0.63	0.00	0.00	-0.36	0.00	0.00	0.00
ADK HUDSON___FALLS	16.42	16.80	11.97	11.63	14.28	20.62	19.60	19.83	15.68	15.07	14.34	3.22	2.85	3.65	12.23	13.65	17.66	18.69	33.01	70.16	28.69	27.21	17.78	17.26
24011	0.46	0.43	0.35	0.34	0.47	0.84	0.88	0.83	0.51	0.35	0.26	0.04	0.02	0.02	0.10	0.18	0.38	0.52	1.10	2.99	1.25	1.03	0.47	0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.47	16.81	11.99	11.65	14.33	20.75	19.74	19.95	15.76	15.12	14.35	3.22	2.85	3.66	12.24	13.68	17.74	18.81	33.22	70.72	28.91	27.39	17.82	17.27
23798	0.51	0.44	0.37	0.37	0.52	0.97	1.01	0.96	0.59	0.39	0.27	0.04	0.02	0.02	0.11	0.20	0.45	0.65	1.31	3.56	1.47	1.21	0.51	0.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.42	16.80	11.97	11.63	14.28	20.62	19.60	19.83	15.68	15.07	14.34	3.22	2.85	3.65	12.23	13.65	17.66	18.69	33.01	70.16	28.69	27.21	17.78	17.26
24028	0.46	0.43	0.35	0.34	0.47	0.84	0.88	0.83	0.51	0.35	0.26	0.04	0.02	0.02	0.10	0.18	0.38	0.52	1.10	2.99	1.25	1.03	0.47	0.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.55	17.06	12.13	11.79	14.40	20.70	19.60	19.87	15.79	15.22	14.57	3.26	2.88	3.68	12.32	13.76	17.64	18.63	32.67	69.41	28.40	27.05	17.86	17.41
23527	0.58	0.69	0.51	0.50	0.59	0.92	0.88	0.88	0.62	0.50	0.49	0.08	0.05	0.05	0.19	0.27	0.35	0.47	0.75	2.24	0.96	0.87	0.54	0.54
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.06	16.47	11.72	11.39	13.93	19.91	18.93	19.15	15.29	14.81	14.20	3.21	2.84	3.65	12.20	13.58	17.30	18.14	31.84	67.46	27.58	26.19	17.37	16.93
24190	0.09	0.10	0.10	0.10	0.12	0.12	0.20	0.15	0.12	0.09	0.12	0.02	0.01	0.01	0.07	0.10	0.02	-0.03	-0.08	0.29	0.14	0.01	0.06	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	15.78	16.21	11.48	11.16	13.66	19.53	18.44	18.70	14.99	14.53	13.90	3.15	2.81	3.61	12.08	13.39	17.17	18.09	31.81	66.44	27.12	25.93	17.15	16.67
355683	-0.18	-0.16	-0.14	-0.13	-0.15	-0.25	-0.29	-0.30	-0.18	-0.19	-0.18	-0.03	-0.02	-0.02	-0.05	-0.09	-0.11	-0.08	-0.11	-0.73	-0.32	-0.25	-0.16	-0.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.35	16.78	11.94	11.60	14.20	20.33	19.29	19.43	15.39	14.84	14.17	3.20	2.83	3.63	12.16	13.52	17.37	18.28	32.40	68.86	28.16	26.78	17.73	17.27
323833	0.39	0.41	0.32	0.31	0.39	0.55	0.57	0.43	0.22	0.12	0.09	0.02	0.01	0.00	0.03	0.05	0.08	0.11	0.48	1.69	0.72	0.60	0.41	0.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.35	16.78	11.94	11.60	14.20	20.32	19.29	19.42	15.39	14.84	14.17	3.20	2.83	3.63	12.16	13.52	17.37	18.28	32.40	68.85	28.15	26.78	17.72	17.27
323834	0.39	0.41	0.32	0.31	0.39	0.54	0.56	0.43	0.22	0.12	0.09	0.02	0.01	0.00	0.03	0.05	0.08	0.11	0.48	1.68	0.71	0.60	0.41	0.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.06	16.47	11.72	11.39	13.93	19.91	18.93	19.15	15.29	14.81	14.20	3.21	2.84	3.65	12.20	13.58	17.30	18.14	31.84	67.46	27.58	26.19	17.37	16.93
23571	0.09	0.10	0.10	0.10	0.12	0.12	0.20	0.15	0.12	0.09	0.12	0.02	0.01	0.01	0.07	0.10	0.02	-0.03	-0.08	0.29	0.14	0.01	0.06	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.91 0.12 0.00	18.93 0.20 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.46 0.29 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
ALBANY___3 23573	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.91 0.12 0.00	18.93 0.20 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.46 0.29 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
ALBANY___4 23574	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.91 0.12 0.00	18.93 0.20 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.46 0.29 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
ALBANY___LFGE 323615	16.17 0.21 0.00	16.59 0.22 0.00	11.80 0.18 0.00	11.47 0.18 0.00	14.04 0.23 0.00	20.07 0.29 0.00	19.09 0.36 0.00	19.32 0.32 0.00	15.42 0.25 0.00	14.93 0.20 0.00	14.30 0.22 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.29 0.16 0.00	13.68 0.20 0.00	17.46 0.17 0.00	18.32 0.15 0.00	32.16 0.24 0.00	68.08 0.91 0.00	27.84 0.40 0.00	26.44 0.26 0.00	17.52 0.20 0.00	17.06 0.19 0.00
ALCOA_PA_115KV_PL-6C 55860	15.79 -0.17 0.00	16.22 -0.15 0.00	11.48 -0.13 0.00	11.16 -0.13 0.00	13.67 -0.14 0.00	19.54 -0.24 0.00	18.45 -0.28 0.00	18.70 -0.30 0.00	14.98 -0.19 0.00	14.51 -0.21 0.00	13.88 -0.19 0.00	3.15 -0.04 0.00	2.80 -0.02 0.00	3.61 -0.03 0.00	12.06 -0.06 0.00	13.39 -0.09 0.00	17.18 -0.11 0.00	18.11 -0.06 0.00	31.87 -0.05 0.00	66.58 -0.59 0.00	27.17 -0.27 0.00	25.96 -0.22 0.00	17.16 -0.16 0.00	16.68 -0.19 0.00
ALCOA_RYNLDS___DRP 24188	15.79 -0.17 0.00	16.22 -0.15 0.00	11.48 -0.13 0.00	11.16 -0.13 0.00	13.67 -0.14 0.00	19.54 -0.24 0.00	18.45 -0.28 0.00	18.70 -0.30 0.00	14.98 -0.19 0.00	14.51 -0.21 0.00	13.88 -0.19 0.00	3.15 -0.04 0.00	2.80 -0.02 0.00	3.61 -0.03 0.00	12.06 -0.06 0.00	13.39 -0.09 0.00	17.18 -0.11 0.00	18.11 -0.06 0.00	31.87 -0.05 0.00	66.58 -0.59 0.00	27.17 -0.27 0.00	25.96 -0.22 0.00	17.16 -0.16 0.00	16.68 -0.19 0.00
ALCOA___DSASP 323711	15.79 -0.17 0.00	16.22 -0.14 0.00	11.48 -0.13 0.00	11.16 -0.13 0.00	13.67 -0.14 0.00	19.54 -0.24 0.00	18.45 -0.28 0.00	18.70 -0.30 0.00	14.98 -0.19 0.00	14.51 -0.21 0.00	13.88 -0.19 0.00	3.15 -0.04 0.00	2.80 -0.03 0.00	3.61 -0.03 0.00	12.06 -0.06 0.00	13.39 -0.09 0.00	17.18 -0.11 0.00	18.11 -0.06 0.00	31.87 -0.05 0.00	66.57 -0.60 0.00	27.17 -0.27 0.00	25.96 -0.22 0.00	17.16 -0.15 0.00	16.68 -0.19 0.00
ALLEGHENY___COGEN 23514	15.71 -0.16 0.08	16.02 -0.34 0.01	11.13 -0.35 0.14	10.91 -0.37 0.00	13.25 -0.50 0.06	16.95 -0.45 2.39	16.89 -0.33 1.50	18.02 -0.37 0.61	14.50 -0.65 0.02	14.07 -0.65 0.00	13.39 -0.68 0.00	3.06 -0.13 0.00	2.75 -0.08 0.00	3.56 -0.08 0.00	11.77 -0.36 0.00	12.91 -0.57 0.00	16.67 -0.62 0.00	17.53 -0.64 0.00	31.16 -0.76 0.00	66.57 -0.60 0.00	26.69 -0.14 0.61	26.83 0.65 0.00	17.35 0.09 0.05	16.68 -0.02 0.17
ALTAMONT_115KV_TB 2 55880	16.26 0.30 0.00	16.69 0.32 0.00	11.87 0.25 0.00	11.53 0.24 0.00	14.11 0.30 0.00	20.20 0.41 0.00	19.16 0.44 0.00	19.42 0.43 0.00	15.48 0.31 0.00	15.00 0.27 0.00	14.35 0.27 0.00	3.24 0.06 0.00	2.87 0.05 0.00	3.69 0.05 0.00	12.33 0.20 0.00	13.71 0.23 0.00	17.55 0.27 0.00	18.42 0.24 0.00	32.37 0.45 0.00	68.51 1.34 0.00	28.00 0.57 0.00	26.63 0.45 0.00	17.61 0.30 0.00	17.16 0.30 0.00
ALTONA_WT_PWR 323606	15.24 -0.73 0.00	15.49 -0.88 0.00	10.98 -0.65 0.00	10.70 -0.59 0.00	13.32 -0.49 0.00	19.31 -0.47 0.00	18.02 -0.71 0.00	18.26 -0.73 0.00	14.47 -0.70 0.00	13.77 -0.95 0.00	13.20 -0.88 0.00	2.98 -0.21 0.00	2.63 -0.19 0.00	3.45 -0.19 0.00	11.63 -0.49 0.00	12.90 -0.58 0.00	16.62 -0.67 0.00	18.14 -0.03 0.00	33.31 1.39 0.00	70.18 3.02 0.00	28.39 0.95 0.00	26.40 0.22 0.00	16.69 -0.62 0.00	16.20 -0.67 0.00
AMERICAN_REF_FUEL 24010	14.19 -1.61 0.16	14.63 -1.72 0.02	10.11 -1.25 0.25	10.06 -1.23 0.00	12.10 -1.59 0.12	13.26 -2.06 4.46	14.00 -1.92 2.81	15.99 -1.84 1.17	13.65 -1.49 0.03	13.37 -1.36 0.00	12.80 -1.28 0.00	2.98 -0.21 0.00	2.70 -0.13 0.00	3.47 -0.16 0.00	11.28 -0.85 0.00	12.36 -1.13 0.00	15.76 -1.53 0.00	16.39 -1.77 0.00	28.62 -3.30 0.00	60.95 -6.21 0.00	23.71 -2.55 1.18	24.50 -1.68 0.00	15.74 -1.48 0.09	15.18 -1.35 0.34
ARKWRIGHT___SUMMIT_WT_PWR 323751	15.00 -0.83 0.13	15.26 -1.09 0.01	10.54 -0.88 0.21	10.38 -0.90 0.00	12.51 -1.20 0.10	14.62 -1.52 3.64	14.90 -1.54 2.29	16.75 -1.30 0.95	14.04 -1.11 0.03	13.83 -0.89 0.00	13.21 -0.87 0.00	3.03 -0.15 0.00	2.73 -0.09 0.00	3.53 -0.10 0.00	11.52 -0.61 0.00	12.70 -0.78 0.00	16.31 -0.98 0.00	16.93 -1.24 0.00	29.69 -2.22 0.00	64.57 -2.59 0.00	25.26 -1.23 0.96	25.76 -0.42 0.00	16.83 -0.40 0.07	16.24 -0.35 0.27
ARTHUR KILL_GT_1 23520	17.07 1.10 0.00	17.45 1.08 0.00	12.43 0.81 0.00	12.07 0.79 0.00	14.81 0.99 0.00	21.14 1.36 0.00	20.09 1.36 0.00	20.42 1.43 0.00	16.28 1.11 0.00	16.11 1.11 -0.28	16.71 1.05 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.62 0.79 -3.69	17.21 0.91 -2.81	19.11 1.20 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.79 4.26 -0.36	29.29 1.85 0.00	27.76 1.58 0.00	18.46 1.15 0.00	18.00 1.14 0.00
ARTHUR_KILL_2 23512	17.03 1.07 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.09 1.31 0.00	20.04 1.31 0.00	20.37 1.38 0.00	16.24 1.07 0.00	16.08 1.07 -0.28	16.68 1.02 -1.58	7.95 0.22 -4.55	16.25 0.18 -13.24	14.76 0.22 -10.91	16.59 0.77 -3.69	17.18 0.89 -2.81	19.07 1.16 -0.63	19.32 1.15 0.00	33.69 1.77 0.00	71.60 4.07 -0.36	29.21 1.77 0.00	27.68 1.50 0.00	18.41 1.10 0.00	17.96 1.09 0.00
ARTHUR_KILL_3 23513	16.91 0.94 0.00	17.29 0.92 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.68 0.86 0.00	20.94 1.16 0.00	19.89 1.17 0.00	20.25 1.25 0.00	16.17 0.99 0.00	16.05 1.05 -0.28	16.64 1.00 -1.57	7.90 0.22 -4.50	16.11 0.18 -13.11	14.65 0.22 -10.80	16.53 0.75 -3.66	17.13 0.86 -2.79	19.01 1.11 -0.62	19.24 1.07 0.00	33.63 1.71 0.00	71.69 4.17 -0.36	29.13 1.69 0.00	27.53 1.35 0.00	18.28 0.96 0.00	17.84 0.97 0.00



ARTHUR_KILL_COGEN 323718	17.07 1.10 0.00	17.45 1.08 0.00	12.43 0.81 0.00	12.07 0.79 0.00	14.81 0.99 0.00	21.14 1.36 0.00	20.09 1.36 0.00	20.42 1.43 0.00	16.28 1.11 0.00	16.11 1.11 -0.28	16.71 1.05 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.62 0.79 -3.69	17.21 0.91 -2.81	19.11 1.20 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.79 4.26 -0.36	29.29 1.85 0.00	27.76 1.58 0.00	18.46 1.15 0.00	18.00 1.14 0.00
ASHOKAN____ 23654	16.74 0.78 0.00	17.16 0.79 0.00	12.21 0.58 0.00	11.87 0.58 0.00	14.55 0.73 0.00	20.88 1.09 0.00	19.90 1.18 0.00	20.15 1.16 0.00	15.93 0.76 0.00	15.28 0.56 0.00	14.54 0.46 0.00	3.27 0.09 0.00	2.89 0.06 0.00	3.70 0.07 0.00	12.38 0.25 0.00	13.79 0.31 0.00	17.72 0.43 0.00	18.71 0.54 0.00	33.14 1.22 0.00	70.89 3.72 0.00	29.03 1.59 0.00	27.56 1.38 0.00	18.17 0.85 0.00	17.65 0.78 0.00
ASTORIA_EAST_ENERGY_CC1 323581	17.00 1.03 0.00	17.38 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.75 0.94 0.00	20.98 1.20 0.00	19.99 1.26 0.00	20.35 1.36 0.00	16.30 1.13 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.95 0.23 -4.54	16.25 0.19 -13.23	14.77 0.24 -10.90	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.35 1.18 0.00	33.75 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.65 1.47 0.00	18.42 1.11 0.00	17.94 1.07 0.00
ASTORIA_EAST_ENERGY_CC2 323582	17.00 1.03 0.00	17.38 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.75 0.94 0.00	20.98 1.20 0.00	19.99 1.26 0.00	20.35 1.36 0.00	16.30 1.13 0.00	16.13 1.13 -0.28	16.73 1.08 -1.58	7.95 0.23 -4.54	16.25 0.19 -13.23	14.77 0.24 -10.90	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.35 1.18 0.00	33.75 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.65 1.47 0.00	18.42 1.11 0.00	17.94 1.07 0.00
ASTORIA_GT2_1 24094	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT2_2 24095	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT2_3 24096	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT2_4 24097	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT3_1 24098	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT3_2 24099	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT3_3 24100	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT3_4 24101	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT4_1 24102	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT4_2 24103	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT4_3 24104	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00



ASTORIA_GT4_4 24105	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.20 0.00	20.00 1.27 0.00	20.38 1.38 0.00	16.31 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.85 4.32 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA_GT_1 23523	17.02 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.95 0.00	21.02 1.24 0.00	20.02 1.29 0.00	20.40 1.40 0.00	16.33 1.16 0.00	16.17 1.16 -0.28	16.76 1.11 -1.58	7.96 0.24 -4.54	16.26 0.20 -13.23	14.78 0.24 -10.90	16.66 0.84 -3.69	17.24 0.95 -2.81	19.14 1.23 -0.63	19.40 1.22 0.00	33.83 1.91 0.00	72.00 4.47 -0.36	29.30 1.86 0.00	27.72 1.54 0.00	18.46 1.14 0.00	17.97 1.11 0.00
ASTORIA_GT_10 24110	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.34 1.35 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.95 4.42 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA_GT_11 24225	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.34 1.35 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.95 4.42 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA_GT_12 24226	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.34 1.35 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.95 4.42 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA_GT_13 24227	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.34 1.35 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.95 4.42 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA_GT_5 24106	17.03 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.01 1.23 0.00	20.04 1.31 0.00	20.41 1.41 0.00	16.34 1.16 0.00	16.17 1.16 -0.28	16.76 1.11 -1.58	7.97 0.24 -4.54	16.27 0.20 -13.24	14.78 0.24 -10.91	16.66 0.84 -3.69	17.24 0.95 -2.81	19.14 1.23 -0.63	19.40 1.22 0.00	33.83 1.91 0.00	71.98 4.46 -0.36	29.30 1.86 0.00	27.72 1.54 0.00	18.46 1.14 0.00	17.97 1.10 0.00
ASTORIA_GT_7 24107	17.03 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.01 1.23 0.00	20.04 1.31 0.00	20.41 1.41 0.00	16.34 1.16 0.00	16.17 1.16 -0.28	16.76 1.11 -1.58	7.97 0.24 -4.54	16.27 0.20 -13.24	14.78 0.24 -10.91	16.66 0.84 -3.69	17.24 0.95 -2.81	19.14 1.23 -0.63	19.40 1.22 0.00	33.83 1.91 0.00	71.98 4.46 -0.36	29.30 1.86 0.00	27.72 1.54 0.00	18.46 1.14 0.00	17.97 1.10 0.00
ASTORIA_GT_8 24108	17.03 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.01 1.23 0.00	20.04 1.31 0.00	20.41 1.41 0.00	16.34 1.16 0.00	16.17 1.16 -0.28	16.76 1.11 -1.58	7.97 0.24 -4.54	16.27 0.20 -13.24	14.78 0.24 -10.91	16.66 0.84 -3.69	17.24 0.95 -2.81	19.14 1.23 -0.63	19.40 1.22 0.00	33.83 1.91 0.00	71.98 4.46 -0.36	29.30 1.86 0.00	27.72 1.54 0.00	18.46 1.14 0.00	17.97 1.10 0.00
ASTORIA___2 24149	17.00 1.04 0.00	17.38 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.94 0.00	20.99 1.21 0.00	20.00 1.27 0.00	20.36 1.37 0.00	16.30 1.13 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.54	16.25 0.19 -13.23	14.77 0.24 -10.90	16.64 0.82 -3.69	17.22 0.92 -2.81	19.11 1.19 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.87 4.34 -0.36	29.25 1.81 0.00	27.67 1.49 0.00	18.43 1.11 0.00	17.95 1.08 0.00
ASTORIA___3 23516	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.98 1.25 0.00	20.33 1.34 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.81 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.97 4.44 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA___4 23517	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.34 1.35 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.95 4.42 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
ASTORIA___5 23518	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.98 1.25 0.00	20.33 1.34 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.81 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.97 4.44 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
AST_ENERGY_2_CC3 323677	16.95 0.98 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.90 0.00	20.98 1.20 0.00	19.94 1.21 0.00	20.29 1.30 0.00	16.22 1.05 0.00	16.11 1.11 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.59 0.80 -3.66	17.18 0.91 -2.79	19.07 1.16 -0.62	19.30 1.13 0.00	33.71 1.79 0.00	71.86 4.33 -0.36	29.20 1.77 0.00	27.59 1.41 0.00	18.34 1.02 0.00	17.89 1.03 0.00
AST_ENERGY_2_CC4 323678	16.95 0.98 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.90 0.00	20.98 1.20 0.00	19.94 1.21 0.00	20.29 1.30 0.00	16.22 1.05 0.00	16.11 1.11 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.59 0.80 -3.66	17.18 0.91 -2.79	19.07 1.16 -0.62	19.30 1.13 0.00	33.71 1.79 0.00	71.86 4.33 -0.36	29.20 1.77 0.00	27.59 1.41 0.00	18.34 1.02 0.00	17.89 1.03 0.00



ATHENS_STG_1 23668	16.40 0.43 0.00	16.82 0.45 0.00	11.98 0.36 0.00	11.64 0.35 0.00	14.24 0.43 0.00	20.36 0.58 0.00	19.31 0.59 0.00	19.60 0.60 0.00	15.63 0.46 0.00	15.19 0.46 0.00	14.53 0.45 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.73 0.09 0.00	12.47 0.34 0.00	13.86 0.38 0.00	17.75 0.47 0.00	18.60 0.43 0.00	32.64 0.72 0.00	69.07 1.91 0.00	28.23 0.79 0.00	26.82 0.64 0.00	17.74 0.43 0.00	17.30 0.44 0.00
ATHENS_STG_2 23670	16.40 0.43 0.00	16.82 0.45 0.00	11.98 0.36 0.00	11.64 0.35 0.00	14.24 0.43 0.00	20.36 0.58 0.00	19.31 0.59 0.00	19.60 0.60 0.00	15.63 0.46 0.00	15.19 0.46 0.00	14.53 0.45 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.73 0.09 0.00	12.47 0.34 0.00	13.86 0.38 0.00	17.75 0.47 0.00	18.60 0.43 0.00	32.64 0.72 0.00	69.07 1.91 0.00	28.23 0.79 0.00	26.82 0.64 0.00	17.74 0.43 0.00	17.30 0.44 0.00
ATHENS_STG_3 23677	16.40 0.43 0.00	16.82 0.45 0.00	11.98 0.36 0.00	11.64 0.35 0.00	14.24 0.43 0.00	20.36 0.58 0.00	19.31 0.59 0.00	19.60 0.60 0.00	15.63 0.46 0.00	15.19 0.46 0.00	14.53 0.45 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.73 0.09 0.00	12.47 0.34 0.00	13.86 0.38 0.00	17.75 0.47 0.00	18.60 0.43 0.00	32.64 0.72 0.00	69.07 1.91 0.00	28.23 0.79 0.00	26.82 0.64 0.00	17.74 0.43 0.00	17.30 0.44 0.00
AUBURN___LFGE 323710	15.99 -0.04 -0.06	16.25 -0.12 0.00	11.64 -0.08 -0.10	11.22 -0.07 0.00	13.74 -0.12 -0.05	21.44 -0.08 -1.74	19.78 -0.04 -1.09	19.67 0.17 -0.51	15.29 0.10 -0.02	14.80 0.08 0.00	14.14 0.06 0.00	3.20 0.02 0.00	2.86 0.03 0.00	3.66 0.02 0.00	12.14 0.01 0.00	13.55 0.07 0.00	17.43 0.14 0.00	18.39 0.22 0.00	32.17 0.25 0.00	68.17 1.01 0.00	28.48 0.50 -0.54	26.88 0.69 0.00	17.57 0.21 -0.04	17.24 0.22 -0.15
BABYLON_RES_REC 323704	17.02 1.06 0.00	17.43 1.07 0.00	12.50 0.87 0.00	12.13 0.84 0.00	14.79 0.98 0.00	21.02 1.24 0.00	19.97 1.25 0.00	20.28 1.28 0.00	16.16 0.98 0.00	15.87 1.14 0.00	15.17 1.09 0.00	3.41 0.22 0.00	3.01 0.18 0.00	3.84 0.21 0.00	12.85 0.72 0.00	14.27 0.79 0.00	18.49 1.20 0.00	19.29 1.11 0.00	33.62 1.70 0.00	71.28 4.11 0.00	29.10 1.67 0.00	27.68 1.50 0.00	18.45 1.14 0.00	18.05 1.18 0.00
BABYLON__69_KV_BK2 356345	17.17 1.20 0.00	17.59 1.22 0.00	12.61 0.99 0.00	12.24 0.95 0.00	14.92 1.11 0.00	21.22 1.44 0.00	20.17 1.45 0.00	20.47 1.47 0.00	16.30 1.13 0.00	16.01 1.29 0.00	15.29 1.22 0.00	3.44 0.25 0.00	3.03 0.20 0.00	3.87 0.24 0.00	12.94 0.81 0.00	14.37 0.89 0.00	18.63 1.35 0.00	19.45 1.28 0.00	33.91 1.99 0.00	71.92 4.75 0.00	29.37 1.93 0.00	27.93 1.75 0.00	18.62 1.31 0.00	18.21 1.35 0.00
BALL_HILL_WT_PWR 323825	14.97 -0.85 0.14	15.35 -1.00 0.01	10.62 -0.78 0.22	10.51 -0.78 0.00	12.67 -1.04 0.10	14.61 -1.31 3.86	14.98 -1.32 2.43	16.84 -1.15 1.01	14.15 -0.99 0.03	13.93 -0.79 0.00	13.33 -0.75 0.00	3.07 -0.11 0.00	2.77 -0.06 0.00	3.57 -0.06 0.00	11.67 -0.46 0.00	12.83 -0.65 0.00	16.45 -0.84 0.00	17.10 -1.07 0.00	29.88 -2.04 0.00	64.15 -3.02 0.00	25.12 -1.31 1.02	25.64 -0.54 0.00	16.63 -0.60 0.08	16.03 -0.55 0.29
BARON_WINDS___WT_PWR 323822	15.55 -0.39 0.03	15.72 -0.64 0.00	10.94 -0.63 0.05	10.63 -0.65 0.00	12.93 -0.86 0.02	17.85 -1.08 0.85	17.12 -1.07 0.53	17.77 -1.02 0.20	14.33 -0.84 0.01	14.04 -0.69 0.00	13.27 -0.81 0.00	3.01 -0.17 0.00	2.71 -0.12 0.00	3.49 -0.15 0.00	11.49 -0.63 0.00	12.70 -0.78 0.00	16.33 -0.96 0.00	17.14 -1.03 0.00	30.18 -1.74 0.00	63.86 -3.31 0.00	25.97 -1.27 0.20	25.93 -0.25 0.00	17.00 -0.29 0.02	16.41 -0.40 0.06
BARRETT_IC_1 23704	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_10 23701	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_11 23702	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_12 23703	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_2 23705	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_3 23706	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_4 23707	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00



BARRETT_IC_5 23708	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_6 23709	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_7 23710	16.91 0.95 0.00	17.32 0.95 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.83 1.05 0.00	19.77 1.05 0.00	20.06 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.70 3.53 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_8 23711	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT_IC_9 23700	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT___1 23545	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BARRETT___2 23546	16.91 0.95 0.00	17.32 0.94 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.66 0.85 0.00	20.84 1.05 0.00	19.77 1.04 0.00	20.05 1.06 0.00	16.03 0.86 0.00	15.76 1.04 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.27 0.79 0.00	18.44 1.14 -0.02	19.20 1.03 0.00	33.40 1.48 0.00	70.72 3.55 0.00	28.88 1.44 0.00	27.50 1.32 0.00	18.32 1.00 0.00	17.90 1.04 0.00
BATAVIA__115KV_TB1 55881	14.93 -0.86 0.18	15.39 -0.96 0.02	10.62 -0.72 0.28	10.59 -0.70 0.00	12.78 -0.90 0.13	13.81 -1.00 4.97	14.68 -0.91 3.13	16.87 -0.82 1.30	14.37 -0.76 0.04	14.03 -0.69 0.00	13.46 -0.62 0.00	3.10 -0.09 0.00	2.79 -0.03 0.00	3.60 -0.03 0.00	11.85 -0.28 0.00	12.94 -0.54 0.00	16.63 -0.66 0.00	17.39 -0.78 0.00	30.42 -1.50 0.00	64.79 -2.38 0.00	25.13 -1.00 1.32	25.88 -0.30 0.00	16.59 -0.62 0.10	15.93 -0.56 0.37
BAYONEEC___CTG1 323682	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG10 323750	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG2 323683	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG3 323684	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG4 323685	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG5 323686	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG6 323687	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00



BAYONEEC___CTG7 323688	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG8 323689	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BAYONEEC___CTG9 323749	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.70 1.06 -1.57	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.58 0.79 -3.66	17.18 0.91 -2.79	19.08 1.17 -0.62	19.31 1.14 0.00	33.74 1.82 0.00	71.93 4.40 -0.36	29.24 1.80 0.00	27.62 1.44 0.00	18.34 1.03 0.00	17.90 1.03 0.00
BEACON___LESR 323632	16.34 0.37 0.00	16.74 0.37 0.00	11.90 0.28 0.00	11.57 0.28 0.00	14.14 0.32 0.00	20.29 0.50 0.00	19.33 0.60 0.00	19.51 0.52 0.00	15.56 0.39 0.00	15.04 0.32 0.00	14.41 0.33 0.00	3.25 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.31 0.18 0.00	13.74 0.25 0.00	17.56 0.28 0.00	18.44 0.27 0.00	32.44 0.52 0.00	68.79 1.63 0.00	28.14 0.70 0.00	26.72 0.54 0.00	17.66 0.35 0.00	17.21 0.35 0.00
BEAVER RIVER___HYD 24048	15.48 -0.49 0.00	15.76 -0.61 0.00	11.12 -0.50 0.00	10.82 -0.47 0.00	13.25 -0.56 0.00	18.98 -0.80 0.00	17.97 -0.75 0.00	18.10 -0.89 0.00	14.33 -0.84 0.00	13.86 -0.86 0.00	13.23 -0.85 0.00	2.96 -0.22 0.00	2.63 -0.20 0.00	3.38 -0.25 0.00	11.29 -0.84 0.00	12.71 -0.76 0.00	16.35 -0.93 0.00	17.73 -0.44 0.00	31.33 -0.59 0.00	66.88 -0.28 0.00	27.09 -0.34 0.00	25.70 -0.48 0.00	16.71 -0.61 0.00	16.40 -0.47 0.00
BEEBEE_GT_13 23619	14.90 -0.86 0.21	15.43 -0.92 0.02	10.60 -0.69 0.33	10.61 -0.67 0.00	12.82 -0.84 0.15	13.01 -0.98 5.79	14.19 -0.89 3.64	16.64 -0.83 1.52	14.40 -0.73 0.04	14.07 -0.65 0.00	13.47 -0.60 0.00	3.10 -0.09 0.00	2.78 -0.04 0.00	3.59 -0.04 0.00	11.83 -0.30 0.00	12.99 -0.49 0.00	16.66 -0.62 0.00	17.41 -0.75 0.00	30.50 -1.42 0.00	64.77 -2.40 0.00	24.88 -1.03 1.54	25.72 -0.46 0.00	16.56 -0.64 0.12	15.83 -0.60 0.44
BENSHRST_27_KV_BENSHRST_1 355998	17.13 1.17 0.00	17.51 1.14 0.00	12.48 0.85 0.00	12.11 0.83 0.00	14.85 1.04 0.00	21.19 1.40 0.00	20.17 1.45 0.00	20.53 1.54 0.00	16.40 1.23 0.00	16.26 1.25 -0.28	16.85 1.19 -1.58	7.99 0.26 -4.55	16.29 0.22 -13.24	14.81 0.27 -10.91	16.75 0.93 -3.69	17.35 1.05 -2.81	19.28 1.37 -0.63	19.53 1.36 0.00	34.10 2.18 0.00	72.61 5.08 -0.36	29.57 2.13 0.00	27.98 1.80 0.00	18.57 1.25 0.00	18.09 1.23 0.00
BETHLEHEM___GRP 23843	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.91 0.12 0.00	18.93 0.20 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.46 0.29 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
BETHLEHEM___GS1 323560	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.94 0.13 0.00	19.91 0.13 0.00	18.93 0.21 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.42 0.26 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
BETHLEHEM___GS2 323561	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.94 0.13 0.00	19.91 0.13 0.00	18.93 0.21 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.42 0.26 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
BETHLEHEM___GS3 323562	16.06 0.09 0.00	16.47 0.10 0.00	11.72 0.10 0.00	11.39 0.10 0.00	13.94 0.13 0.00	19.91 0.13 0.00	18.93 0.21 0.00	19.15 0.15 0.00	15.29 0.12 0.00	14.81 0.09 0.00	14.20 0.12 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.30 0.02 0.00	18.14 -0.03 0.00	31.84 -0.08 0.00	67.42 0.26 0.00	27.58 0.14 0.00	26.19 0.01 0.00	17.37 0.06 0.00	16.93 0.06 0.00
BETHLEHEM___STEEL 23779	14.86 -0.96 0.14	15.28 -1.07 0.01	10.57 -0.83 0.23	10.47 -0.82 0.00	12.64 -1.07 0.11	14.50 -1.32 3.97	14.91 -1.32 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.90 -0.82 0.00	13.31 -0.77 0.00	3.08 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.82 -0.66 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.80 -2.12 0.00	63.69 -3.48 0.00	24.94 -1.46 1.05	25.54 -0.64 0.00	16.47 -0.76 0.08	15.88 -0.69 0.30
BETHLHEM_115KV_TB1 79974	16.07 0.10 0.00	16.49 0.12 0.00	11.73 0.11 0.00	11.40 0.11 0.00	13.95 0.14 0.00	19.93 0.14 0.00	18.95 0.22 0.00	19.16 0.17 0.00	15.31 0.14 0.00	14.82 0.10 0.00	14.20 0.13 0.00	3.21 0.03 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.20 0.07 0.00	13.58 0.10 0.00	17.31 0.03 0.00	18.16 -0.01 0.00	31.87 -0.05 0.00	67.53 0.36 0.00	27.60 0.17 0.00	26.22 0.04 0.00	17.39 0.08 0.00	16.94 0.08 0.00
BETHPAGE_CC_5 323564	17.01 1.04 0.00	17.42 1.05 0.00	12.47 0.85 0.00	12.12 0.83 0.00	14.78 0.96 0.00	21.02 1.23 0.00	19.96 1.24 0.00	20.27 1.27 0.00	16.16 0.99 0.00	15.87 1.15 0.00	15.17 1.10 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.89 0.76 0.00	14.31 0.83 0.00	18.52 1.23 0.00	19.29 1.12 0.00	33.59 1.67 0.00	71.19 4.02 0.00	29.06 1.63 0.00	27.64 1.46 0.00	18.41 1.10 0.00	18.00 1.13 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	14.96 -0.87 0.14	15.37 -0.98 0.01	10.63 -0.77 0.22	10.53 -0.76 0.00	12.71 -1.00 0.10	14.66 -1.23 3.90	15.03 -1.24 2.45	16.88 -1.10 1.02	14.22 -0.92 0.03	13.97 -0.75 0.00	13.38 -0.70 0.00	3.09 -0.10 0.00	2.79 -0.04 0.00	3.60 -0.03 0.00	11.74 -0.39 0.00	12.89 -0.59 0.00	16.51 -0.78 0.00	17.17 -0.99 0.00	29.95 -1.97 0.00	64.07 -3.10 0.00	25.11 -1.31 1.03	25.66 -0.52 0.00	16.56 -0.67 0.08	15.97 -0.60 0.29



BINGHAMTON___COGEN 23790	16.13 0.16 0.00	16.51 0.14 0.00	11.69 0.07 0.00	11.35 0.07 0.00	13.88 0.07 0.00	19.91 0.12 0.00	18.80 0.08 0.00	19.17 0.17 0.00	15.24 0.06 0.00	14.86 0.14 0.00	14.21 0.14 0.00	3.22 0.04 0.00	2.86 0.04 0.00	3.69 0.06 0.00	12.37 0.23 0.00	13.67 0.19 0.00	17.38 0.09 0.00	18.24 0.08 0.00	32.03 0.12 0.00	67.89 0.72 0.00	27.70 0.26 0.00	26.58 0.40 0.00	17.49 0.18 0.00	17.04 0.18 0.00
BIXINCNT_115KV_LOAD 355685	15.29 -0.54 0.13	15.66 -0.70 0.01	10.79 -0.63 0.20	10.66 -0.63 0.00	12.84 -0.88 0.09	15.02 -1.23 3.53	15.21 -1.29 2.22	17.07 -1.00 0.92	14.28 -0.87 0.03	14.04 -0.68 0.00	13.37 -0.71 0.00	3.06 -0.12 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.73 -0.40 0.00	12.89 -0.59 0.00	16.60 -0.69 0.00	17.35 -0.82 0.00	29.82 -2.10 0.00	64.90 -2.27 0.00	25.63 -0.88 0.93	26.04 -0.14 0.00	16.82 -0.42 0.07	16.24 -0.36 0.26
BLACK RIVER___HYD 24047	15.39 -0.58 0.00	15.64 -0.73 0.00	11.04 -0.58 0.00	10.75 -0.53 0.00	13.16 -0.65 0.00	18.88 -0.90 0.00	17.88 -0.84 0.00	17.99 -1.01 0.00	14.16 -1.01 0.00	13.65 -1.08 0.00	13.07 -1.01 0.00	2.92 -0.27 0.00	2.59 -0.24 0.00	3.33 -0.30 0.00	11.10 -1.03 0.00	12.59 -0.89 0.00	16.12 -1.17 0.00	17.63 -0.54 0.00	31.14 -0.78 0.00	66.80 -0.37 0.00	27.03 -0.41 0.00	25.64 -0.55 0.00	16.63 -0.69 0.00	16.36 -0.51 0.00
BLACKRVR_115KV_TB2 79977	15.38 -0.58 0.00	15.64 -0.73 0.00	11.04 -0.58 0.00	10.75 -0.53 0.00	13.16 -0.65 0.00	18.88 -0.90 0.00	17.88 -0.84 0.00	17.99 -1.01 0.00	14.16 -1.01 0.00	13.64 -1.08 0.00	13.07 -1.01 0.00	2.92 -0.27 0.00	2.59 -0.24 0.00	3.33 -0.30 0.00	11.10 -1.03 0.00	12.59 -0.89 0.00	16.11 -1.17 0.00	17.63 -0.54 0.00	31.14 -0.78 0.00	66.80 -0.37 0.00	27.03 -0.41 0.00	25.64 -0.55 0.00	16.63 -0.69 0.00	16.36 -0.51 0.00
BLISS_WT_PWR 323608	15.27 -0.57 0.13	15.61 -0.75 0.01	10.74 -0.68 0.20	10.61 -0.68 0.00	12.76 -0.96 0.09	14.86 -1.38 3.53	15.11 -1.40 2.22	16.99 -1.09 0.92	14.21 -0.94 0.03	13.96 -0.76 0.00	13.26 -0.82 0.00	3.03 -0.15 0.00	2.76 -0.07 0.00	3.56 -0.08 0.00	11.65 -0.47 0.00	12.79 -0.68 0.00	16.50 -0.79 0.00	17.27 -0.90 0.00	29.59 -2.33 0.00	64.70 -2.46 0.00	25.60 -0.91 0.93	26.00 -0.18 0.00	16.78 -0.46 0.07	16.20 -0.40 0.26
BLUESTONE___WT_PWR 323821	16.85 0.88 0.00	17.14 0.77 0.00	12.08 0.46 0.00	11.44 0.15 0.00	13.95 0.13 0.00	19.92 0.14 0.00	19.08 0.35 0.00	19.27 0.28 0.00	15.32 0.15 0.00	15.10 0.38 0.00	14.44 0.36 0.00	3.17 -0.02 0.00	2.81 -0.01 0.00	3.58 -0.05 0.00	11.97 -0.16 0.00	13.23 -0.25 0.00	17.03 -0.26 0.00	18.04 -0.13 0.00	32.05 0.13 0.00	68.28 1.11 0.00	27.81 0.37 0.00	26.50 0.32 0.00	17.38 0.06 0.00	17.71 0.85 0.00
BLUE_CIRC_CHEM_DRP 24182	16.27 0.30 0.00	16.70 0.33 0.00	11.88 0.26 0.00	11.54 0.25 0.00	14.13 0.31 0.00	20.21 0.43 0.00	19.17 0.45 0.00	19.36 0.36 0.00	15.38 0.21 0.00	14.88 0.16 0.00	14.22 0.15 0.00	3.21 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.59 0.11 0.00	17.41 0.12 0.00	18.29 0.12 0.00	32.28 0.36 0.00	68.46 1.29 0.00	27.99 0.55 0.00	26.62 0.43 0.00	17.62 0.31 0.00	17.17 0.31 0.00
BOC_GAS_DRP 24189	16.23 0.27 0.00	16.65 0.29 0.00	11.85 0.23 0.00	11.51 0.22 0.00	14.08 0.27 0.00	20.14 0.35 0.00	19.11 0.38 0.00	19.36 0.37 0.00	15.45 0.28 0.00	14.98 0.26 0.00	14.34 0.26 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.69 0.05 0.00	12.33 0.19 0.00	13.70 0.22 0.00	17.53 0.24 0.00	18.38 0.21 0.00	32.28 0.36 0.00	68.31 1.14 0.00	27.92 0.48 0.00	26.55 0.37 0.00	17.57 0.26 0.00	17.13 0.27 0.00
BOONVILLE_115KV_TB1 79983	16.03 0.07 0.00	16.37 0.01 0.00	11.59 -0.03 0.00	11.27 -0.02 0.00	13.79 -0.02 0.00	19.78 -0.01 0.00	18.76 0.04 0.00	18.96 -0.04 0.00	15.05 -0.12 0.00	14.57 -0.15 0.00	13.89 -0.18 0.00	3.13 -0.06 0.00	2.77 -0.05 0.00	3.56 -0.07 0.00	11.89 -0.24 0.00	13.32 -0.16 0.00	17.16 -0.12 0.00	18.31 0.14 0.00	32.31 0.39 0.00	68.60 1.43 0.00	27.91 0.47 0.00	26.53 0.35 0.00	17.36 0.05 0.00	16.97 0.11 0.00
BORALEX_4TH_BRANCH 23824	16.55 0.58 0.00	17.06 0.69 0.00	12.13 0.51 0.00	11.79 0.50 0.00	14.40 0.59 0.00	20.70 0.92 0.00	19.61 0.88 0.00	19.87 0.88 0.00	15.79 0.62 0.00	15.22 0.50 0.00	14.57 0.49 0.00	3.26 0.08 0.00	2.88 0.05 0.00	3.68 0.05 0.00	12.32 0.19 0.00	13.76 0.28 0.00	17.64 0.35 0.00	18.64 0.47 0.00	32.67 0.75 0.00	69.41 2.24 0.00	28.40 0.96 0.00	27.05 0.87 0.00	17.86 0.54 0.00	17.41 0.54 0.00
BOWLINE___1 23526	16.80 0.83 0.00	17.18 0.81 0.00	12.24 0.62 0.00	11.88 0.60 0.00	14.55 0.74 0.00	20.82 1.03 0.00	19.74 1.01 0.00	20.07 1.07 0.00	15.99 0.82 0.00	15.58 0.86 0.00	14.90 0.82 0.00	3.36 0.17 0.00	2.97 0.14 0.00	3.80 0.17 0.00	12.74 0.61 0.00	14.19 0.72 0.00	18.23 0.94 0.00	19.07 0.90 0.00	33.42 1.50 0.00	70.73 3.56 0.00	28.89 1.45 0.00	27.41 1.24 0.00	18.15 0.84 0.00	17.73 0.86 0.00
BOWLINE___2 23595	16.80 0.83 0.00	17.18 0.81 0.00	12.24 0.62 0.00	11.88 0.60 0.00	14.55 0.74 0.00	20.82 1.03 0.00	19.74 1.01 0.00	20.07 1.07 0.00	15.99 0.82 0.00	15.58 0.86 0.00	14.90 0.82 0.00	3.36 0.17 0.00	2.97 0.14 0.00	3.80 0.17 0.00	12.74 0.61 0.00	14.19 0.72 0.00	18.23 0.94 0.00	19.07 0.90 0.00	33.42 1.50 0.00	70.73 3.56 0.00	28.89 1.45 0.00	27.41 1.24 0.00	18.15 0.84 0.00	17.73 0.86 0.00
BRADY___115KV_TB2 356060	15.81 -0.15 0.00	16.23 -0.14 0.00	11.49 -0.13 0.00	11.16 -0.12 0.00	13.69 -0.13 0.00	19.57 -0.21 0.00	18.50 -0.22 0.00	18.71 -0.29 0.00	14.91 -0.26 0.00	14.43 -0.29 0.00	13.78 -0.29 0.00	3.12 -0.06 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.98 -0.15 0.00	13.34 -0.14 0.00	17.18 -0.10 0.00	18.16 -0.01 0.00	32.00 0.08 0.00	66.89 -0.28 0.00	27.29 -0.15 0.00	26.05 -0.13 0.00	17.19 -0.12 0.00	16.69 -0.17 0.00
BRANSCOMB___SOLAR 323811	16.43 0.46 0.00	16.85 0.48 0.00	11.98 0.36 0.00	11.65 0.36 0.00	14.27 0.46 0.00	20.54 0.76 0.00	19.49 0.77 0.00	19.71 0.71 0.00	15.61 0.43 0.00	15.03 0.31 0.00	14.33 0.26 0.00	3.22 0.04 0.00	2.85 0.03 0.00	3.66 0.02 0.00	12.24 0.11 0.00	13.65 0.17 0.00	17.59 0.30 0.00	18.58 0.41 0.00	32.81 0.89 0.00	69.64 2.47 0.00	28.48 1.04 0.00	27.06 0.88 0.00	17.78 0.46 0.00	17.30 0.43 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	17.10 1.14 0.00	17.52 1.16 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.14 1.36 0.00	20.09 1.36 0.00	20.37 1.38 0.00	16.23 1.06 0.00	15.96 1.23 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.86 0.23 0.00	12.91 0.78 0.00	14.32 0.84 0.00	18.57 1.28 0.00	19.36 1.19 0.00	33.73 1.81 0.00	71.49 4.32 0.00	29.19 1.75 0.00	27.77 1.59 0.00	18.54 1.22 0.00	18.15 1.28 0.00



BRISTLHL_115KV_TB1 79998	15.63 -0.33 0.00	16.02 -0.35 0.00	11.36 -0.25 0.00	11.04 -0.25 0.00	13.52 -0.30 0.00	19.40 -0.38 0.00	18.38 -0.34 0.00	18.66 -0.34 0.00	14.84 -0.33 0.00	14.39 -0.33 0.00	13.75 -0.33 0.00	3.11 -0.07 0.00	2.76 -0.07 0.00	3.55 -0.08 0.00	11.81 -0.32 0.00	13.16 -0.32 0.00	16.92 -0.37 0.00	17.82 -0.35 0.00	31.31 -0.61 0.00	66.17 -1.00 0.00	27.02 -0.42 0.00	25.81 -0.37 0.00	16.99 -0.32 0.00	16.55 -0.32 0.00
BROOKHAVEN___DRP 24191	17.05 1.09 0.00	17.48 1.11 0.00	12.55 0.93 0.00	12.18 0.89 0.00	14.85 1.04 0.00	21.09 1.30 0.00	20.02 1.30 0.00	20.32 1.33 0.00	16.19 1.01 0.00	15.97 1.24 0.00	15.23 1.15 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.22 0.74 0.00	18.45 1.16 0.00	19.24 1.07 0.00	33.57 1.65 0.00	71.28 4.11 0.00	29.12 1.68 0.00	27.68 1.50 0.00	18.54 1.23 0.00	18.17 1.30 0.00
BROOKLYN_NAVY_YARD 23515	16.94 0.97 0.00	17.32 0.95 0.00	12.34 0.72 0.00	11.98 0.70 0.00	14.70 0.89 0.00	20.97 1.19 0.00	19.92 1.19 0.00	20.28 1.29 0.00	16.21 1.04 0.00	16.10 1.09 -0.28	16.68 1.04 -1.57	7.91 0.23 -4.50	16.12 0.19 -13.11	14.66 0.23 -10.80	16.57 0.78 -3.66	17.16 0.90 -2.79	19.06 1.15 -0.62	19.29 1.12 0.00	33.69 1.77 0.00	71.85 4.33 -0.36	29.20 1.77 0.00	27.59 1.41 0.00	18.34 1.02 0.00	17.89 1.02 0.00
BROOKLYN___ARMY_DRP 323595	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
BROOKVLE_69_KV_TB1 55790	17.02 1.06 0.00	17.41 1.05 0.00	12.44 0.82 0.00	12.09 0.80 0.00	14.77 0.95 0.00	21.05 1.26 0.00	20.00 1.28 0.00	20.32 1.32 0.00	16.22 1.04 0.00	15.87 1.15 0.00	15.18 1.10 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.86 0.23 0.00	12.94 0.80 0.00	14.38 0.90 0.00	18.56 1.27 0.00	19.36 1.19 0.00	33.78 1.86 0.00	71.61 4.45 0.00	29.25 1.81 0.00	27.76 1.58 0.00	18.44 1.12 0.00	18.01 1.14 0.00
BROOME_2_LFGE 323671	16.13 0.17 0.00	16.51 0.14 0.00	11.69 0.07 0.00	11.35 0.07 0.00	13.88 0.07 0.00	19.90 0.12 0.00	18.80 0.08 0.00	19.17 0.17 0.00	15.23 0.06 0.00	14.86 0.14 0.00	14.21 0.13 0.00	3.22 0.04 0.00	2.86 0.04 0.00	3.69 0.05 0.00	12.36 0.23 0.00	13.67 0.19 0.00	17.38 0.09 0.00	18.24 0.08 0.00	32.04 0.12 0.00	67.89 0.72 0.00	27.70 0.26 0.00	26.58 0.40 0.00	17.49 0.18 0.00	17.04 0.18 0.00
BROOME___LFGE 323600	16.13 0.17 0.00	16.51 0.14 0.00	11.69 0.07 0.00	11.35 0.07 0.00	13.88 0.07 0.00	19.90 0.12 0.00	18.80 0.08 0.00	19.17 0.17 0.00	15.23 0.06 0.00	14.86 0.14 0.00	14.21 0.13 0.00	3.22 0.04 0.00	2.86 0.04 0.00	3.69 0.05 0.00	12.36 0.23 0.00	13.67 0.19 0.00	17.38 0.09 0.00	18.24 0.08 0.00	32.04 0.12 0.00	67.89 0.72 0.00	27.70 0.26 0.00	26.58 0.40 0.00	17.49 0.18 0.00	17.04 0.18 0.00
BROWNFLS_115KV_TB_3_5 80003	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00
BROWNSV1_27_KV_LOAD 356125	17.10 1.14 0.00	17.48 1.11 0.00	12.46 0.84 0.00	12.09 0.80 0.00	14.83 1.02 0.00	21.16 1.37 0.00	20.13 1.40 0.00	20.50 1.50 0.00	16.38 1.21 0.00	16.25 1.25 -0.28	16.83 1.19 -1.56	7.94 0.26 -4.50	16.15 0.22 -13.11	14.70 0.27 -10.80	16.69 0.90 -3.66	17.30 1.04 -2.79	19.24 1.33 -0.62	19.49 1.31 0.00	34.05 2.13 0.00	72.62 5.09 -0.36	29.53 2.09 0.00	27.90 1.72 0.00	18.51 1.20 0.00	18.06 1.19 0.00
BURROWS___LYONSDAL 23803	15.88 -0.08 0.00	16.20 -0.17 0.00	11.46 -0.16 0.00	11.14 -0.14 0.00	13.64 -0.18 0.00	19.54 -0.24 0.00	18.53 -0.20 0.00	18.72 -0.28 0.00	14.85 -0.32 0.00	14.38 -0.34 0.00	13.71 -0.37 0.00	3.08 -0.10 0.00	2.73 -0.09 0.00	3.51 -0.12 0.00	11.72 -0.41 0.00	13.14 -0.34 0.00	16.94 -0.34 0.00	18.15 -0.01 0.00	32.05 0.13 0.00	68.19 1.03 0.00	27.70 0.27 0.00	26.31 0.13 0.00	17.18 -0.13 0.00	16.82 -0.04 0.00
CAITHNESS_CC_1 323624	17.05 1.08 0.00	17.47 1.10 0.00	12.54 0.92 0.00	12.17 0.89 0.00	14.85 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.32 1.32 0.00	16.18 1.01 0.00	15.95 1.23 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.23 0.75 0.00	18.45 1.16 0.00	19.24 1.07 0.00	33.55 1.63 0.00	71.23 4.06 0.00	29.08 1.65 0.00	27.66 1.48 0.00	18.51 1.20 0.00	18.14 1.27 0.00
CALPINE BETH_PAGE_GT4 24209	17.01 1.04 0.00	17.42 1.05 0.00	12.47 0.85 0.00	12.11 0.82 0.00	14.78 0.96 0.00	21.01 1.23 0.00	19.96 1.24 0.00	20.26 1.27 0.00	16.16 0.99 0.00	15.86 1.14 0.00	15.17 1.09 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.89 0.76 0.00	14.32 0.84 0.00	18.52 1.23 0.00	19.26 1.09 0.00	33.53 1.61 0.00	71.06 3.90 0.00	29.02 1.59 0.00	27.59 1.41 0.00	18.37 1.05 0.00	17.97 1.10 0.00
CALPINE_BETH_PAGE_GT_4 323586	17.01 1.04 0.00	17.42 1.05 0.00	12.47 0.85 0.00	12.11 0.82 0.00	14.78 0.96 0.00	21.02 1.23 0.00	19.96 1.24 0.00	20.26 1.27 0.00	16.16 0.99 0.00	15.87 1.15 0.00	15.17 1.09 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.89 0.76 0.00	14.32 0.84 0.00	18.52 1.23 0.00	19.26 1.09 0.00	33.53 1.61 0.00	71.06 3.89 0.00	29.02 1.58 0.00	27.59 1.41 0.00	18.37 1.05 0.00	17.97 1.10 0.00
CALPINE_BP_GT1 23823	17.01 1.04 0.00	17.42 1.05 0.00	12.47 0.85 0.00	12.11 0.82 0.00	14.78 0.96 0.00	21.02 1.23 0.00	19.96 1.24 0.00	20.26 1.27 0.00	16.16 0.99 0.00	15.87 1.15 0.00	15.17 1.09 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.89 0.76 0.00	14.32 0.84 0.00	18.52 1.23 0.00	19.26 1.09 0.00	33.53 1.61 0.00	71.06 3.89 0.00	29.02 1.58 0.00	27.59 1.41 0.00	18.37 1.05 0.00	17.97 1.10 0.00
CALSPAN___DRP 24200	14.86 -0.96 0.14	15.28 -1.07 0.01	10.57 -0.83 0.23	10.47 -0.82 0.00	12.64 -1.07 0.11	14.50 -1.32 3.97	14.91 -1.32 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.90 -0.82 0.00	13.31 -0.77 0.00	3.08 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.82 -0.66 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.80 -2.12 0.00	63.69 -3.48 0.00	24.94 -1.46 1.05	25.54 -0.64 0.00	16.47 -0.76 0.08	15.88 -0.69 0.30



CALVERTON___SOLAR 323806	17.07 1.11 0.00	17.49 1.13 0.00	12.56 0.94 0.00	12.19 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.04 1.32 0.00	20.35 1.35 0.00	16.20 1.03 0.00	15.99 1.27 0.00	15.24 1.17 0.00	3.42 0.24 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.22 0.74 0.00	18.45 1.17 0.00	19.25 1.08 0.00	33.61 1.69 0.00	71.45 4.29 0.00	29.18 1.74 0.00	27.74 1.55 0.00	18.58 1.26 0.00	18.21 1.34 0.00
CANDIGU_WT_PWR 323617	15.55 -0.39 0.03	15.72 -0.64 0.00	10.94 -0.63 0.05	10.63 -0.65 0.00	12.93 -0.86 0.02	17.85 -1.08 0.85	17.12 -1.07 0.53	17.77 -1.02 0.20	14.33 -0.84 0.01	14.04 -0.69 0.00	13.27 -0.81 0.00	3.01 -0.17 0.00	2.71 -0.12 0.00	3.49 -0.15 0.00	11.49 -0.63 0.00	12.70 -0.78 0.00	16.33 -0.96 0.00	17.14 -1.03 0.00	30.18 -1.74 0.00	63.86 -3.31 0.00	25.97 -1.27 0.20	25.93 -0.25 0.00	17.00 -0.29 0.02	16.41 -0.40 0.06
CARR STREET_E_SYR 24060	15.82 -0.14 0.00	16.20 -0.17 0.00	11.49 -0.13 0.00	11.16 -0.12 0.00	13.66 -0.15 0.00	19.61 -0.18 0.00	18.58 -0.14 0.00	18.89 -0.11 0.00	15.04 -0.13 0.00	14.60 -0.12 0.00	13.96 -0.12 0.00	3.16 -0.02 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.99 -0.14 0.00	13.34 -0.13 0.00	17.15 -0.13 0.00	18.05 -0.12 0.00	31.71 -0.21 0.00	67.02 -0.15 0.00	27.38 -0.06 0.00	26.17 -0.01 0.00	17.22 -0.09 0.00	16.78 -0.09 0.00
CARTHAGE___PAPER 23857	15.54 -0.43 0.00	15.80 -0.56 0.00	11.15 -0.47 0.00	10.86 -0.43 0.00	13.30 -0.51 0.00	19.07 -0.72 0.00	18.05 -0.68 0.00	18.15 -0.84 0.00	14.32 -0.85 0.00	13.81 -0.91 0.00	13.19 -0.89 0.00	2.95 -0.23 0.00	2.62 -0.21 0.00	3.37 -0.27 0.00	11.24 -0.89 0.00	12.70 -0.78 0.00	16.31 -0.98 0.00	17.79 -0.38 0.00	31.44 -0.48 0.00	67.24 0.07 0.00	27.22 -0.22 0.00	25.81 -0.37 0.00	16.76 -0.56 0.00	16.46 -0.41 0.00
CASSADAGA_WT_PWR 323784	15.17 -0.67 0.13	15.39 -0.97 0.01	10.62 -0.80 0.21	10.44 -0.85 0.00	12.57 -1.14 0.10	14.76 -1.44 3.59	15.00 -1.47 2.26	16.89 -1.17 0.94	14.13 -1.02 0.03	13.93 -0.79 0.00	13.28 -0.80 0.00	3.04 -0.14 0.00	2.74 -0.08 0.00	3.54 -0.09 0.00	11.58 -0.55 0.00	12.76 -0.71 0.00	16.40 -0.89 0.00	17.04 -1.13 0.00	29.85 -2.07 0.00	65.13 -2.04 0.00	25.51 -0.99 0.94	25.95 -0.23 0.00	17.00 -0.24 0.07	16.41 -0.19 0.27
CE_DUNWOOD___DRP 24194	16.88 0.91 0.00	17.26 0.89 0.00	12.30 0.68 0.00	11.95 0.66 0.00	14.64 0.82 0.00	20.91 1.13 0.00	19.86 1.14 0.00	20.20 1.20 0.00	16.12 0.94 0.00	15.71 0.98 0.00	15.02 0.94 0.00	3.39 0.20 0.00	2.99 0.16 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.33 1.04 0.00	19.18 1.01 0.00	33.57 1.65 0.00	71.15 3.99 0.00	29.07 1.64 0.00	27.54 1.36 0.00	18.25 0.94 0.00	17.81 0.94 0.00
CE_MILLWOOD___DRP 24193	16.85 0.88 0.00	17.23 0.87 0.00	12.29 0.66 0.00	11.93 0.64 0.00	14.61 0.80 0.00	20.88 1.10 0.00	19.83 1.11 0.00	20.17 1.17 0.00	16.09 0.92 0.00	15.67 0.95 0.00	14.98 0.91 0.00	3.38 0.19 0.00	2.99 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.25 0.77 0.00	18.29 1.01 0.00	19.14 0.98 0.00	33.52 1.60 0.00	71.03 3.86 0.00	29.03 1.59 0.00	27.50 1.32 0.00	18.22 0.91 0.00	17.78 0.91 0.00
CE_NYC2_DRP 24202	16.99 1.03 0.00	17.37 1.01 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.75 0.93 0.00	21.01 1.23 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.11 0.00	16.15 1.14 -0.28	16.74 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.12 1.21 -0.63	19.36 1.19 0.00	33.81 1.90 0.00	72.01 4.48 -0.36	29.29 1.85 0.00	27.69 1.52 0.00	18.39 1.08 0.00	17.93 1.06 0.00
CE_NYC_DRP 24195	16.99 1.02 0.00	17.37 1.00 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	21.03 1.24 0.00	20.00 1.27 0.00	20.36 1.36 0.00	16.26 1.09 0.00	16.14 1.14 -0.28	16.73 1.09 -1.56	7.91 0.24 -4.49	16.11 0.20 -13.08	14.65 0.24 -10.78	16.60 0.82 -3.65	17.20 0.94 -2.78	19.11 1.21 -0.62	19.35 1.18 0.00	33.82 1.90 0.00	72.08 4.56 -0.36	29.30 1.86 0.00	27.68 1.50 0.00	18.38 1.06 0.00	17.93 1.06 0.00
CHAFFEE___LFGE 323603	15.04 -0.79 0.13	15.44 -0.91 0.01	10.70 -0.71 0.21	10.58 -0.70 0.00	12.78 -0.94 0.10	14.91 -1.13 3.75	15.26 -1.11 2.36	17.04 -0.97 0.98	14.30 -0.84 0.03	14.05 -0.67 0.00	13.45 -0.63 0.00	3.11 -0.08 0.00	2.81 -0.02 0.00	3.62 -0.02 0.00	11.79 -0.34 0.00	12.96 -0.52 0.00	16.60 -0.68 0.00	17.28 -0.89 0.00	30.16 -1.76 0.00	64.45 -2.72 0.00	25.31 -1.15 0.99	25.79 -0.39 0.00	16.64 -0.59 0.08	16.05 -0.53 0.28
CHATEAUG_35_KV_LOAD 355732	15.44 -0.52 0.00	15.81 -0.56 0.00	11.17 -0.45 0.00	10.88 -0.41 0.00	13.42 -0.39 0.00	19.32 -0.46 0.00	18.11 -0.61 0.00	18.31 -0.68 0.00	14.61 -0.57 0.00	14.02 -0.70 0.00	13.42 -0.66 0.00	3.04 -0.15 0.00	2.69 -0.14 0.00	3.50 -0.13 0.00	11.77 -0.35 0.00	13.02 -0.45 0.00	16.78 -0.50 0.00	18.05 -0.12 0.00	32.60 0.68 0.00	68.33 1.16 0.00	27.74 0.30 0.00	26.01 -0.17 0.00	16.80 -0.51 0.00	16.36 -0.51 0.00
CHATEAUG_WT_PWR 323614	15.35 -0.62 0.00	15.69 -0.67 0.00	11.09 -0.53 0.00	10.80 -0.49 0.00	13.35 -0.46 0.00	19.26 -0.52 0.00	18.03 -0.70 0.00	18.22 -0.77 0.00	14.52 -0.65 0.00	13.92 -0.81 0.00	13.33 -0.75 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.47 -0.16 0.00	11.71 -0.42 0.00	12.95 -0.53 0.00	16.69 -0.59 0.00	18.02 -0.15 0.00	32.67 0.75 0.00	68.58 1.41 0.00	27.81 0.37 0.00	26.00 -0.18 0.00	16.69 -0.62 0.00	16.26 -0.61 0.00
CHAT_HIGH_FALL_HYD 323578	15.44 -0.52 0.00	15.81 -0.56 0.00	11.17 -0.45 0.00	10.88 -0.41 0.00	13.42 -0.39 0.00	19.32 -0.46 0.00	18.11 -0.61 0.00	18.31 -0.68 0.00	14.61 -0.57 0.00	14.02 -0.70 0.00	13.42 -0.66 0.00	3.04 -0.15 0.00	2.69 -0.14 0.00	3.50 -0.13 0.00	11.77 -0.35 0.00	13.02 -0.45 0.00	16.78 -0.50 0.00	18.05 -0.12 0.00	32.60 0.68 0.00	68.33 1.16 0.00	27.74 0.30 0.00	26.01 -0.17 0.00	16.80 -0.51 0.00	16.36 -0.51 0.00
CHAUTAUQUA___LFGE 323629	15.11 -0.72 0.13	15.44 -0.92 0.01	10.68 -0.73 0.21	10.55 -0.74 0.00	12.71 -1.00 0.10	14.78 -1.24 3.75	15.10 -1.27 2.36	16.96 -1.06 0.98	14.22 -0.92 0.03	14.00 -0.72 0.00	13.40 -0.68 0.00	3.08 -0.11 0.00	2.77 -0.06 0.00	3.58 -0.06 0.00	11.69 -0.44 0.00	12.88 -0.60 0.00	16.53 -0.76 0.00	17.17 -0.99 0.00	30.07 -1.85 0.00	64.90 -2.27 0.00	25.41 -1.05 0.99	25.90 -0.28 0.00	16.86 -0.38 0.08	16.24 -0.34 0.28
CHERRYST_13_KV_LD 356241	17.02 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.08 1.30 0.00	20.05 1.33 0.00	20.42 1.42 0.00	16.31 1.14 0.00	16.19 1.19 -0.28	16.78 1.14 -1.56	7.92 0.25 -4.49	16.12 0.21 -13.08	14.66 0.25 -10.78	16.65 0.87 -3.65	17.25 0.99 -2.78	19.17 1.27 -0.62	19.41 1.24 0.00	33.91 2.00 0.00	72.26 4.74 -0.36	29.38 1.94 0.00	27.75 1.57 0.00	18.42 1.11 0.00	17.97 1.11 0.00



CHESTROR_138KV_BK263 355645	16.73 0.76 0.00	17.12 0.75 0.00	12.19 0.57 0.00	11.84 0.55 0.00	14.49 0.68 0.00	20.74 0.96 0.00	19.67 0.95 0.00	19.98 0.99 0.00	15.92 0.74 0.00	15.48 0.76 0.00	14.80 0.72 0.00	3.34 0.15 0.00	2.95 0.13 0.00	3.79 0.15 0.00	12.66 0.53 0.00	14.10 0.63 0.00	18.11 0.83 0.00	18.97 0.80 0.00	33.29 1.37 0.00	70.46 3.29 0.00	28.80 1.36 0.00	27.34 1.17 0.00	18.09 0.78 0.00	17.66 0.79 0.00
CH_MIDHUDSON___DRP 24192	17.01 1.05 0.00	17.40 1.03 0.00	12.40 0.77 0.00	12.04 0.75 0.00	14.75 0.94 0.00	21.12 1.34 0.00	20.09 1.36 0.00	20.41 1.42 0.00	16.24 1.06 0.00	15.75 1.03 0.00	15.04 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.12 0.00	19.31 1.14 0.00	33.96 2.04 0.00	72.03 4.86 0.00	29.45 2.01 0.00	27.93 1.75 0.00	18.44 1.13 0.00	17.97 1.10 0.00
CH_MISC_IPPS 23765	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.73 0.92 0.00	21.11 1.33 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.71 0.00	18.42 1.11 0.00	17.95 1.09 0.00
CH_RES_BVR_FALLS 23983	15.60 -0.36 0.00	16.00 -0.37 0.00	11.35 -0.28 0.00	11.01 -0.28 0.00	13.46 -0.35 0.00	19.25 -0.53 0.00	18.19 -0.54 0.00	18.47 -0.52 0.00	14.83 -0.34 0.00	14.40 -0.32 0.00	13.76 -0.32 0.00	3.10 -0.08 0.00	2.76 -0.07 0.00	3.56 -0.08 0.00	11.89 -0.23 0.00	13.20 -0.28 0.00	16.97 -0.31 0.00	17.92 -0.25 0.00	31.57 -0.34 0.00	66.36 -0.82 0.00	27.08 -0.36 0.00	25.82 -0.36 0.00	16.98 -0.33 0.00	16.62 -0.25 0.00
CH_RES_NIAGARA 23895	14.07 -1.73 0.16	14.52 -1.83 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.03 -1.66 0.12	13.08 -2.17 4.53	13.82 -2.06 2.85	15.84 -1.97 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.81 0.00	12.28 -1.20 0.00	15.65 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.50 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.62 -1.60 0.09	15.06 -1.46 0.34
CH_RES_SYRACUSE 23985	15.88 -0.10 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.92 -0.08 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.07 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.94 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
CLINTON_WT_PWR 323605	15.35 -0.62 0.00	15.69 -0.67 0.00	11.09 -0.53 0.00	10.80 -0.49 0.00	13.35 -0.46 0.00	19.26 -0.52 0.00	18.03 -0.70 0.00	18.22 -0.77 0.00	14.52 -0.65 0.00	13.92 -0.81 0.00	13.33 -0.75 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.47 -0.16 0.00	11.71 -0.42 0.00	12.95 -0.53 0.00	16.69 -0.59 0.00	18.02 -0.15 0.00	32.67 0.75 0.00	68.58 1.41 0.00	27.81 0.37 0.00	26.00 -0.18 0.00	16.69 -0.62 0.00	16.26 -0.61 0.00
CLINTON___LFGE 323618	15.44 -0.53 0.00	15.73 -0.63 0.00	11.14 -0.48 0.00	10.85 -0.44 0.00	13.46 -0.36 0.00	19.48 -0.30 0.00	18.23 -0.50 0.00	18.47 -0.53 0.00	14.66 -0.52 0.00	13.97 -0.75 0.00	13.36 -0.71 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.48 -0.15 0.00	11.75 -0.38 0.00	13.02 -0.46 0.00	16.79 -0.49 0.00	18.25 0.08 0.00	33.32 1.40 0.00	70.12 2.95 0.00	28.41 0.97 0.00	26.50 0.32 0.00	16.85 -0.46 0.00	16.35 -0.52 0.00
COBBLENY_34_KV_TB1 80064	15.03 -0.80 0.13	15.44 -0.91 0.01	10.69 -0.71 0.21	10.58 -0.70 0.00	12.79 -0.93 0.10	14.93 -1.11 3.75	15.24 -1.13 2.36	17.03 -0.98 0.98	14.30 -0.84 0.03	14.05 -0.67 0.00	13.45 -0.63 0.00	3.11 -0.08 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.79 -0.34 0.00	12.96 -0.52 0.00	16.60 -0.68 0.00	17.28 -0.89 0.00	30.15 -1.77 0.00	64.46 -2.71 0.00	25.30 -1.15 0.99	25.79 -0.39 0.00	16.64 -0.59 0.08	16.05 -0.53 0.28
COFFEEN___115KV_TB3 355620	15.47 -0.49 0.00	15.73 -0.64 0.00	11.11 -0.51 0.00	10.81 -0.48 0.00	13.24 -0.57 0.00	19.02 -0.76 0.00	18.01 -0.71 0.00	18.11 -0.88 0.00	14.21 -0.96 0.00	13.67 -1.05 0.00	13.12 -0.96 0.00	2.93 -0.26 0.00	2.59 -0.24 0.00	3.33 -0.30 0.00	11.11 -1.02 0.00	12.64 -0.84 0.00	16.15 -1.14 0.00	17.71 -0.46 0.00	31.30 -0.62 0.00	67.25 0.08 0.00	27.24 -0.20 0.00	25.83 -0.35 0.00	16.75 -0.56 0.00	16.46 -0.41 0.00
COLDSPRG_115KV_BK1 355956	15.68 -0.17 0.12	16.01 -0.34 0.01	11.09 -0.34 0.19	10.93 -0.36 0.00	13.20 -0.52 0.09	15.88 -0.58 3.33	15.92 -0.71 2.09	17.70 -0.43 0.87	14.71 -0.43 0.03	14.53 -0.19 0.00	13.90 -0.17 0.00	3.19 0.01 0.00	2.88 0.05 0.00	3.71 0.08 0.00	12.12 -0.01 0.00	13.37 -0.11 0.00	17.19 -0.10 0.00	17.83 -0.34 0.00	31.10 -0.82 0.00	67.01 -0.16 0.00	26.35 -0.22 0.87	26.64 0.46 0.00	17.38 0.14 0.07	16.78 0.17 0.25
COLONIE_LFGE___ 323577	16.36 0.39 0.00	16.81 0.45 0.00	11.96 0.33 0.00	11.61 0.33 0.00	14.21 0.40 0.00	20.40 0.62 0.00	19.34 0.62 0.00	19.60 0.60 0.00	15.59 0.41 0.00	15.06 0.34 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.04 0.00	12.30 0.17 0.00	13.71 0.23 0.00	17.59 0.30 0.00	18.51 0.34 0.00	32.53 0.61 0.00	68.92 1.75 0.00	28.20 0.76 0.00	26.81 0.63 0.00	17.69 0.38 0.00	17.25 0.39 0.00
COOPERNY_115KV_TB1 80082	16.56 0.59 0.00	16.95 0.59 0.00	12.07 0.44 0.00	11.72 0.43 0.00	14.34 0.53 0.00	20.53 0.74 0.00	19.46 0.74 0.00	19.76 0.77 0.00	15.75 0.58 0.00	15.32 0.60 0.00	14.64 0.57 0.00	3.31 0.12 0.00	2.93 0.10 0.00	3.76 0.12 0.00	12.57 0.44 0.00	13.98 0.50 0.00	17.94 0.65 0.00	18.79 0.62 0.00	32.98 1.06 0.00	69.72 2.55 0.00	28.50 1.06 0.00	27.10 0.92 0.00	17.92 0.61 0.00	17.48 0.62 0.00
COPENHAGEN_WT_PWR 323753	15.25 -0.71 0.00	15.48 -0.89 0.00	10.93 -0.70 0.00	10.65 -0.64 0.00	13.03 -0.79 0.00	18.68 -1.11 0.00	17.67 -1.05 0.00	17.79 -1.20 0.00	14.02 -1.15 0.00	13.54 -1.18 0.00	12.97 -1.11 0.00	2.90 -0.29 0.00	2.57 -0.26 0.00	3.31 -0.33 0.00	11.02 -1.11 0.00	12.48 -1.00 0.00	15.99 -1.29 0.00	17.49 -0.67 0.00	30.90 -1.02 0.00	66.30 -0.87 0.00	26.79 -0.65 0.00	25.41 -0.77 0.00	16.46 -0.85 0.00	16.24 -0.63 0.00
CORNELL_____ 23752	16.25 0.26 -0.03	16.59 0.21 0.00	11.79 0.12 -0.05	11.39 0.10 0.00	13.96 0.12 -0.02	20.88 0.25 -0.85	19.52 0.26 -0.54	19.57 0.33 -0.25	15.33 0.16 -0.01	14.84 0.11 0.00	14.14 0.06 0.00	3.20 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.02 -0.11 0.00	13.46 -0.02 0.00	17.36 0.07 0.00	18.37 0.20 0.00	32.37 0.45 0.00	68.71 1.54 0.00	28.34 0.65 -0.26	26.94 0.76 0.00	17.67 0.34 -0.02	17.28 0.34 -0.07



CORONA V_69_KV_TB1 355595	17.02 1.05 0.00	17.42 1.05 0.00	12.46 0.84 0.00	12.10 0.81 0.00	14.75 0.94 0.00	21.00 1.21 0.00	19.94 1.22 0.00	20.24 1.25 0.00	16.16 0.99 0.00	15.85 1.13 0.00	15.17 1.09 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.91 0.78 0.00	14.36 0.88 0.00	18.55 1.25 -0.01	19.33 1.16 0.00	33.69 1.77 0.00	71.41 4.24 0.00	29.17 1.73 0.00	27.74 1.56 0.00	18.45 1.13 0.00	18.02 1.15 0.00
CORTLAND_115KV_TB3 80093	16.32 0.36 0.00	16.70 0.33 0.00	11.83 0.21 0.00	11.48 0.19 0.00	14.06 0.25 0.00	20.21 0.43 0.00	19.19 0.46 0.00	19.46 0.46 0.00	15.42 0.24 0.00	14.89 0.16 0.00	14.19 0.11 0.00	3.20 0.02 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.16 0.03 0.00	13.63 0.15 0.00	17.51 0.22 0.00	18.54 0.37 0.00	32.76 0.84 0.00	69.46 2.29 0.00	28.39 0.95 0.00	27.07 0.88 0.00	17.74 0.43 0.00	17.30 0.43 0.00
COXSACKIE___GT 23611	16.72 0.76 0.00	17.16 0.80 0.00	12.20 0.58 0.00	11.87 0.58 0.00	14.53 0.72 0.00	20.88 1.09 0.00	19.91 1.18 0.00	20.07 1.07 0.00	15.82 0.65 0.00	15.08 0.36 0.00	14.34 0.26 0.00	3.23 0.05 0.00	2.86 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.64 0.17 0.00	17.54 0.25 0.00	18.58 0.42 0.00	32.97 1.05 0.00	70.79 3.62 0.00	28.99 1.56 0.00	27.54 1.36 0.00	18.15 0.84 0.00	17.62 0.76 0.00
CPV_VALLEY___CC1 323721	16.66 0.70 0.00	17.05 0.68 0.00	12.14 0.52 0.00	11.79 0.50 0.00	14.43 0.62 0.00	20.66 0.87 0.00	19.58 0.86 0.00	19.90 0.91 0.00	15.86 0.69 0.00	15.43 0.71 0.00	14.75 0.67 0.00	3.33 0.14 0.00	2.95 0.12 0.00	3.77 0.14 0.00	12.63 0.50 0.00	14.07 0.59 0.00	18.05 0.77 0.00	18.90 0.73 0.00	33.16 1.24 0.00	70.17 3.00 0.00	28.67 1.23 0.00	27.24 1.06 0.00	18.02 0.71 0.00	17.58 0.72 0.00
CPV_VALLEY___CC2 323722	16.66 0.70 0.00	17.05 0.68 0.00	12.14 0.52 0.00	11.79 0.50 0.00	14.43 0.62 0.00	20.66 0.87 0.00	19.58 0.86 0.00	19.90 0.91 0.00	15.86 0.69 0.00	15.43 0.71 0.00	14.75 0.67 0.00	3.33 0.14 0.00	2.95 0.12 0.00	3.77 0.14 0.00	12.63 0.50 0.00	14.07 0.59 0.00	18.05 0.77 0.00	18.90 0.73 0.00	33.16 1.24 0.00	70.17 3.00 0.00	28.67 1.23 0.00	27.24 1.06 0.00	18.02 0.71 0.00	17.58 0.72 0.00
CRESCENT___HYD 24018	16.36 0.39 0.00	16.81 0.45 0.00	11.96 0.33 0.00	11.61 0.33 0.00	14.21 0.40 0.00	20.40 0.62 0.00	19.34 0.62 0.00	19.60 0.60 0.00	15.59 0.41 0.00	15.06 0.34 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.04 0.00	12.30 0.17 0.00	13.71 0.23 0.00	17.59 0.30 0.00	18.51 0.34 0.00	32.53 0.61 0.00	68.92 1.75 0.00	28.20 0.76 0.00	26.81 0.63 0.00	17.69 0.38 0.00	17.25 0.39 0.00
CRICKET___VALLEY_CC1 323756	16.64 0.68 0.00	17.01 0.64 0.00	12.13 0.51 0.00	11.78 0.49 0.00	14.43 0.62 0.00	20.68 0.89 0.00	19.66 0.93 0.00	19.98 0.98 0.00	15.92 0.75 0.00	15.46 0.74 0.00	14.77 0.70 0.00	3.32 0.14 0.00	2.93 0.10 0.00	3.75 0.12 0.00	12.56 0.43 0.00	14.00 0.52 0.00	17.97 0.68 0.00	18.83 0.66 0.00	33.01 1.10 0.00	70.12 2.96 0.00	28.71 1.27 0.00	27.19 1.01 0.00	17.95 0.64 0.00	17.51 0.65 0.00
CRICKET___VALLEY_CC2 323757	16.64 0.68 0.00	17.01 0.64 0.00	12.13 0.51 0.00	11.78 0.49 0.00	14.43 0.62 0.00	20.68 0.89 0.00	19.66 0.93 0.00	19.98 0.98 0.00	15.92 0.75 0.00	15.46 0.74 0.00	14.77 0.70 0.00	3.32 0.14 0.00	2.93 0.10 0.00	3.75 0.12 0.00	12.56 0.43 0.00	14.00 0.52 0.00	17.97 0.68 0.00	18.83 0.66 0.00	33.01 1.10 0.00	70.12 2.96 0.00	28.71 1.27 0.00	27.19 1.01 0.00	17.95 0.64 0.00	17.51 0.65 0.00
CRICKET___VALLEY_CC3 323758	16.64 0.68 0.00	17.01 0.64 0.00	12.13 0.51 0.00	11.78 0.49 0.00	14.43 0.62 0.00	20.68 0.89 0.00	19.66 0.93 0.00	19.98 0.98 0.00	15.92 0.75 0.00	15.46 0.74 0.00	14.77 0.70 0.00	3.32 0.14 0.00	2.93 0.10 0.00	3.75 0.12 0.00	12.56 0.43 0.00	14.00 0.52 0.00	17.97 0.68 0.00	18.83 0.66 0.00	33.01 1.10 0.00	70.12 2.96 0.00	28.71 1.27 0.00	27.19 1.01 0.00	17.95 0.64 0.00	17.51 0.65 0.00
CRUCIBLE_METL_DRP 24180	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
DAHOWA___HYDRO 323763	16.42 0.45 0.00	16.82 0.46 0.00	11.98 0.36 0.00	11.64 0.35 0.00	14.27 0.45 0.00	20.56 0.78 0.00	19.53 0.80 0.00	19.74 0.75 0.00	15.62 0.45 0.00	15.04 0.31 0.00	14.32 0.25 0.00	3.22 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.63 0.15 0.00	17.60 0.31 0.00	18.60 0.43 0.00	32.85 0.93 0.00	69.76 2.59 0.00	28.52 1.08 0.00	27.09 0.91 0.00	17.77 0.46 0.00	17.28 0.41 0.00
DANC___LFGE 323619	15.41 -0.55 0.00	15.70 -0.67 0.00	11.11 -0.52 0.00	10.81 -0.48 0.00	13.22 -0.59 0.00	18.97 -0.81 0.00	17.95 -0.77 0.00	18.13 -0.86 0.00	14.34 -0.83 0.00	13.88 -0.85 0.00	13.27 -0.81 0.00	2.98 -0.20 0.00	2.65 -0.18 0.00	3.40 -0.23 0.00	11.32 -0.81 0.00	12.74 -0.74 0.00	16.33 -0.95 0.00	17.61 -0.56 0.00	31.05 -0.87 0.00	66.24 -0.93 0.00	26.91 -0.53 0.00	25.58 -0.60 0.00	16.68 -0.63 0.00	16.36 -0.50 0.00
DANSKAMMER___1 23586	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.73 0.92 0.00	21.11 1.33 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.71 0.00	18.42 1.11 0.00	17.95 1.09 0.00
DANSKAMMER___2 23589	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.73 0.92 0.00	21.11 1.33 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.71 0.00	18.42 1.11 0.00	17.95 1.09 0.00
DANSKAMMER___3 23590	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.73 0.92 0.00	21.11 1.33 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.71 0.00	18.42 1.11 0.00	17.95 1.09 0.00



DANSKAMMER___4 23591	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.73 0.92 0.00	21.11 1.33 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.96 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.71 0.00	18.42 1.11 0.00	17.95 1.09 0.00
DANSKAMMER___DIESEL 23592	17.00 1.04 0.00	17.39 1.02 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.74 0.92 0.00	21.10 1.32 0.00	20.06 1.33 0.00	20.38 1.39 0.00	16.21 1.04 0.00	15.74 1.02 0.00	15.03 0.95 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.30 0.82 0.00	18.41 1.13 0.00	19.31 1.14 0.00	33.91 2.00 0.00	71.93 4.76 0.00	29.41 1.97 0.00	27.89 1.70 0.00	18.42 1.11 0.00	17.95 1.09 0.00
DARBY___SOLAR 323810	16.43 0.46 0.00	16.84 0.48 0.00	11.98 0.36 0.00	11.65 0.36 0.00	14.27 0.46 0.00	20.55 0.76 0.00	19.51 0.78 0.00	19.73 0.73 0.00	15.62 0.45 0.00	15.05 0.32 0.00	14.34 0.26 0.00	3.22 0.04 0.00	2.85 0.03 0.00	3.66 0.02 0.00	12.24 0.11 0.00	13.65 0.17 0.00	17.61 0.32 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.67 2.50 0.00	28.50 1.06 0.00	27.06 0.89 0.00	17.78 0.46 0.00	17.30 0.43 0.00
DASHVILLE___HYD 23610	16.86 0.90 0.00	17.24 0.87 0.00	12.29 0.67 0.00	11.93 0.65 0.00	14.62 0.80 0.00	20.91 1.13 0.00	19.88 1.15 0.00	20.23 1.23 0.00	16.11 0.94 0.00	15.66 0.94 0.00	14.95 0.88 0.00	3.37 0.19 0.00	2.98 0.15 0.00	3.82 0.19 0.00	12.78 0.65 0.00	14.23 0.75 0.00	18.29 1.01 0.00	19.15 0.98 0.00	33.62 1.70 0.00	71.28 4.11 0.00	29.13 1.70 0.00	27.63 1.45 0.00	18.26 0.95 0.00	17.80 0.94 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	17.24 1.27 0.00	17.70 1.33 0.00	12.70 1.08 0.00	12.33 1.05 0.00	15.04 1.23 0.00	21.39 1.61 0.00	20.33 1.60 0.00	20.63 1.64 0.00	16.41 1.24 0.00	16.24 1.51 0.00	15.47 1.39 0.00	3.47 0.28 0.00	3.06 0.23 0.00	3.90 0.26 0.00	13.01 0.88 0.00	14.41 0.94 0.00	18.74 1.45 0.00	19.56 1.39 0.00	34.21 2.29 0.00	72.84 5.68 0.00	29.76 2.33 0.00	28.27 2.09 0.00	18.91 1.60 0.00	18.50 1.63 0.00
DELAWARE___LFGE 323621	16.46 0.50 0.00	16.87 0.50 0.00	11.98 0.36 0.00	11.62 0.33 0.00	14.22 0.41 0.00	20.36 0.58 0.00	19.31 0.58 0.00	19.59 0.59 0.00	15.61 0.43 0.00	15.19 0.47 0.00	14.53 0.45 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.74 0.11 0.00	12.53 0.40 0.00	13.91 0.43 0.00	17.77 0.48 0.00	18.63 0.46 0.00	32.76 0.84 0.00	69.18 2.02 0.00	28.27 0.83 0.00	26.96 0.78 0.00	17.78 0.47 0.00	17.37 0.51 0.00
DERFIELD_115KV_TB7 355931	16.01 0.04 0.00	16.42 0.05 0.00	11.66 0.04 0.00	11.32 0.03 0.00	13.85 0.04 0.00	19.85 0.06 0.00	18.80 0.08 0.00	19.07 0.07 0.00	15.21 0.04 0.00	14.76 0.04 0.00	14.11 0.03 0.00	3.19 0.00 0.00	2.83 0.00 0.00	3.63 0.00 0.00	12.13 0.00 0.00	13.49 0.01 0.00	17.30 0.01 0.00	18.19 0.02 0.00	31.96 0.04 0.00	67.44 0.27 0.00	27.55 0.11 0.00	26.26 0.07 0.00	17.34 0.03 0.00	16.91 0.04 0.00
DOGLEVILLE___HYD 23807	16.17 0.20 0.00	16.56 0.19 0.00	11.77 0.15 0.00	11.42 0.13 0.00	13.98 0.17 0.00	20.11 0.32 0.00	19.12 0.39 0.00	19.34 0.34 0.00	15.30 0.12 0.00	14.74 0.02 0.00	14.06 -0.02 0.00	3.14 -0.04 0.00	2.77 -0.06 0.00	3.55 -0.09 0.00	11.84 -0.29 0.00	13.19 -0.29 0.00	16.90 -0.38 0.00	17.90 -0.27 0.00	31.80 -0.12 0.00	67.75 0.59 0.00	27.71 0.28 0.00	26.29 0.11 0.00	17.20 -0.11 0.00	16.72 -0.15 0.00
DUNKIRK___115KV_TB_200 55889	15.11 -0.72 0.13	15.45 -0.90 0.01	10.69 -0.72 0.22	10.56 -0.72 0.00	12.75 -0.97 0.10	14.82 -1.19 3.77	15.10 -1.26 2.37	16.97 -1.04 0.98	14.24 -0.91 0.03	14.02 -0.70 0.00	13.41 -0.66 0.00	3.08 -0.10 0.00	2.78 -0.05 0.00	3.59 -0.05 0.00	11.71 -0.42 0.00	12.90 -0.58 0.00	16.55 -0.74 0.00	17.20 -0.97 0.00	30.09 -1.83 0.00	64.89 -2.28 0.00	25.39 -1.05 0.99	25.89 -0.29 0.00	16.84 -0.39 0.08	16.22 -0.37 0.28
DUNKIRK___1 23563	15.11 -0.72 0.13	15.45 -0.90 0.01	10.69 -0.72 0.22	10.56 -0.72 0.00	12.75 -0.97 0.10	14.82 -1.19 3.77	15.10 -1.26 2.37	16.97 -1.04 0.98	14.24 -0.91 0.03	14.02 -0.70 0.00	13.41 -0.66 0.00	3.08 -0.10 0.00	2.78 -0.05 0.00	3.59 -0.05 0.00	11.71 -0.42 0.00	12.90 -0.58 0.00	16.55 -0.74 0.00	17.20 -0.97 0.00	30.09 -1.83 0.00	64.89 -2.28 0.00	25.39 -1.05 0.99	25.89 -0.29 0.00	16.84 -0.39 0.08	16.22 -0.37 0.28
DUNKIRK___2 23564	15.11 -0.72 0.13	15.45 -0.90 0.01	10.69 -0.72 0.22	10.56 -0.72 0.00	12.75 -0.97 0.10	14.82 -1.19 3.77	15.10 -1.26 2.37	16.97 -1.04 0.98	14.24 -0.91 0.03	14.02 -0.70 0.00	13.41 -0.66 0.00	3.08 -0.10 0.00	2.78 -0.05 0.00	3.59 -0.05 0.00	11.71 -0.42 0.00	12.90 -0.58 0.00	16.55 -0.74 0.00	17.20 -0.97 0.00	30.09 -1.83 0.00	64.89 -2.28 0.00	25.39 -1.05 0.99	25.89 -0.29 0.00	16.84 -0.39 0.08	16.22 -0.37 0.28
DUNKIRK___3 23565	15.06 -0.77 0.14	15.43 -0.92 0.01	10.68 -0.73 0.22	10.56 -0.72 0.00	12.74 -0.97 0.10	14.77 -1.20 3.82	15.07 -1.26 2.40	16.93 -1.07 0.99	14.22 -0.93 0.03	14.00 -0.72 0.00	13.40 -0.67 0.00	3.09 -0.10 0.00	2.78 -0.05 0.00	3.59 -0.04 0.00	11.72 -0.41 0.00	12.89 -0.58 0.00	16.54 -0.75 0.00	17.19 -0.98 0.00	30.05 -1.87 0.00	64.53 -2.64 0.00	25.27 -1.17 1.00	25.78 -0.40 0.00	16.73 -0.50 0.08	16.11 -0.46 0.29
DUNKIRK___4 23566	15.06 -0.77 0.14	15.43 -0.92 0.01	10.68 -0.73 0.22	10.56 -0.72 0.00	12.74 -0.97 0.10	14.77 -1.20 3.82	15.07 -1.26 2.40	16.93 -1.07 0.99	14.22 -0.93 0.03	14.00 -0.72 0.00	13.40 -0.67 0.00	3.09 -0.10 0.00	2.78 -0.05 0.00	3.59 -0.04 0.00	11.72 -0.41 0.00	12.89 -0.58 0.00	16.54 -0.75 0.00	17.19 -0.98 0.00	30.05 -1.87 0.00	64.53 -2.64 0.00	25.27 -1.17 1.00	25.78 -0.40 0.00	16.73 -0.50 0.08	16.11 -0.46 0.29
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	16.92 0.95 0.00	17.30 0.93 0.00	12.33 0.71 0.00	11.97 0.69 0.00	14.67 0.86 0.00	20.95 1.16 0.00	19.91 1.18 0.00	20.24 1.25 0.00	16.16 0.98 0.00	15.75 1.03 0.00	15.06 0.98 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.85 0.21 0.00	12.86 0.73 0.00	14.32 0.84 0.00	18.38 1.09 0.00	19.23 1.06 0.00	33.64 1.73 0.00	71.30 4.13 0.00	29.14 1.70 0.00	27.60 1.42 0.00	18.29 0.97 0.00	17.85 0.98 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	16.85 0.89 0.00	17.24 0.88 0.00	12.28 0.66 0.00	11.93 0.64 0.00	14.60 0.79 0.00	20.91 1.12 0.00	19.85 1.12 0.00	20.17 1.18 0.00	16.05 0.88 0.00	15.60 0.88 0.00	14.90 0.83 0.00	3.36 0.17 0.00	2.97 0.14 0.00	3.81 0.17 0.00	12.74 0.61 0.00	14.20 0.72 0.00	18.25 0.96 0.00	19.12 0.95 0.00	33.58 1.66 0.00	71.14 3.98 0.00	29.08 1.64 0.00	27.60 1.42 0.00	18.25 0.94 0.00	17.79 0.93 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	16.93 0.97 0.00	17.32 0.95 0.00	12.34 0.72 0.00	11.98 0.70 0.00	14.70 0.88 0.00	20.93 1.15 0.00	19.95 1.23 0.00	20.32 1.32 0.00	16.24 1.07 0.00	15.79 1.07 0.00	15.24 1.01 -0.15	5.69 0.22 -2.29	16.25 0.18 -13.24	14.76 0.22 -10.91	16.59 0.77 -3.69	17.16 0.87 -2.81	19.04 1.13 -0.63	19.29 1.12 0.00	33.69 1.78 0.00	71.76 4.23 -0.36	29.20 1.77 0.00	27.62 1.44 0.00	18.36 1.05 0.00	17.89 1.02 0.00
E179THST_13_KV_LOAD 356214	17.00 1.03 0.00	17.38 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	21.00 1.22 0.00	20.02 1.30 0.00	20.39 1.40 0.00	16.31 1.13 0.00	15.86 1.13 0.00	15.30 1.08 -0.15	5.71 0.23 -2.29	16.26 0.19 -13.24	14.78 0.24 -10.91	16.65 0.82 -3.69	17.22 0.93 -2.81	19.12 1.21 -0.63	19.38 1.21 0.00	33.84 1.92 0.00	72.06 4.53 -0.36	29.34 1.90 0.00	27.75 1.57 0.00	18.44 1.13 0.00	17.95 1.09 0.00
EAST HAMPTON___GT 23717	17.33 1.36 0.00	17.85 1.49 0.00	12.81 1.19 0.00	12.44 1.15 0.00	15.18 1.36 0.00	21.60 1.81 0.00	20.53 1.80 0.00	20.83 1.83 0.00	16.55 1.38 0.00	16.37 1.64 0.00	15.58 1.50 0.00	3.49 0.31 0.00	3.08 0.25 0.00	3.92 0.28 0.00	13.10 0.97 0.00	14.51 1.03 0.00	18.87 1.59 0.00	19.72 1.54 0.00	34.52 2.60 0.00	73.34 6.18 0.00	29.96 2.53 0.00	28.45 2.27 0.00	19.03 1.71 0.00	18.60 1.73 0.00
EAST RIVER___6 23660	17.02 1.06 0.00	17.40 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.08 1.30 0.00	20.05 1.32 0.00	20.41 1.42 0.00	16.32 1.15 0.00	16.21 1.20 -0.28	16.79 1.15 -1.56	7.93 0.25 -4.49	16.12 0.21 -13.08	14.66 0.25 -10.78	16.66 0.88 -3.65	17.26 1.00 -2.78	19.19 1.28 -0.62	19.43 1.26 0.00	33.94 2.02 0.00	72.34 4.82 -0.36	29.40 1.96 0.00	27.77 1.58 0.00	18.43 1.11 0.00	17.97 1.10 0.00
EAST RIVER___7 23524	17.02 1.06 0.00	17.40 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.08 1.30 0.00	20.05 1.32 0.00	20.41 1.42 0.00	16.32 1.15 0.00	16.21 1.20 -0.28	16.79 1.15 -1.56	7.93 0.25 -4.49	16.12 0.21 -13.08	14.66 0.25 -10.78	16.66 0.88 -3.65	17.26 1.00 -2.78	19.19 1.28 -0.62	19.43 1.26 0.00	33.94 2.02 0.00	72.34 4.82 -0.36	29.40 1.96 0.00	27.77 1.58 0.00	18.43 1.11 0.00	17.97 1.10 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	16.88 0.91 0.00	17.26 0.89 0.00	12.30 0.68 0.00	11.95 0.66 0.00	14.64 0.82 0.00	20.91 1.13 0.00	19.86 1.14 0.00	20.20 1.20 0.00	16.12 0.94 0.00	15.71 0.98 0.00	15.02 0.94 0.00	3.39 0.20 0.00	2.99 0.16 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.33 1.04 0.00	19.18 1.01 0.00	33.57 1.65 0.00	71.15 3.99 0.00	29.07 1.64 0.00	27.54 1.36 0.00	18.25 0.94 0.00	17.81 0.94 0.00
EAST_HAMPTON___DIESEL 23722	17.33 1.36 0.00	17.85 1.49 0.00	12.81 1.19 0.00	12.44 1.15 0.00	15.18 1.36 0.00	21.60 1.81 0.00	20.53 1.80 0.00	20.83 1.83 0.00	16.55 1.38 0.00	16.37 1.64 0.00	15.58 1.50 0.00	3.49 0.31 0.00	3.08 0.25 0.00	3.92 0.28 0.00	13.10 0.97 0.00	14.51 1.03 0.00	18.87 1.59 0.00	19.72 1.54 0.00	34.52 2.60 0.00	73.34 6.18 0.00	29.97 2.53 0.00	28.46 2.28 0.00	19.03 1.72 0.00	18.60 1.74 0.00
EAST_POINT___SOLAR 323840	16.89 0.92 0.00	17.25 0.89 0.00	12.24 0.62 0.00	11.88 0.60 0.00	14.55 0.74 0.00	20.86 1.08 0.00	19.84 1.11 0.00	20.12 1.13 0.00	15.93 0.76 0.00	15.46 0.74 0.00	14.75 0.67 0.00	3.34 0.16 0.00	2.97 0.15 0.00	3.84 0.20 0.00	12.80 0.67 0.00	14.20 0.72 0.00	18.15 0.87 0.00	18.97 0.80 0.00	33.77 1.86 0.00	71.20 4.03 0.00	29.13 1.69 0.00	27.95 1.77 0.00	18.26 0.95 0.00	17.81 0.95 0.00
EAST_PULASKI___ESR 323781	15.58 -0.38 0.00	15.93 -0.44 0.00	11.29 -0.33 0.00	10.97 -0.32 0.00	13.43 -0.39 0.00	19.27 -0.51 0.00	18.25 -0.48 0.00	18.47 -0.52 0.00	14.65 -0.52 0.00	14.20 -0.52 0.00	13.56 -0.51 0.00	3.06 -0.13 0.00	2.72 -0.11 0.00	3.49 -0.14 0.00	11.62 -0.51 0.00	13.00 -0.48 0.00	16.68 -0.60 0.00	17.76 -0.41 0.00	31.23 -0.68 0.00	66.28 -0.89 0.00	27.04 -0.40 0.00	25.77 -0.41 0.00	16.90 -0.41 0.00	16.51 -0.36 0.00
EAST_RIVER___1 323558	16.99 1.02 0.00	17.37 1.00 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	21.03 1.25 0.00	19.99 1.27 0.00	20.36 1.36 0.00	16.26 1.09 0.00	16.15 1.14 -0.28	16.73 1.09 -1.56	7.91 0.24 -4.49	16.11 0.20 -13.08	14.65 0.24 -10.78	16.60 0.82 -3.65	17.20 0.94 -2.78	19.11 1.21 -0.62	19.35 1.18 0.00	33.82 1.90 0.00	72.08 4.55 -0.36	29.30 1.86 0.00	27.68 1.50 0.00	18.37 1.06 0.00	17.93 1.06 0.00
EAST_RIVER___2 323559	17.02 1.06 0.00	17.40 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.08 1.30 0.00	20.05 1.32 0.00	20.41 1.42 0.00	16.32 1.15 0.00	16.21 1.20 -0.28	16.79 1.15 -1.56	7.93 0.25 -4.49	16.12 0.21 -13.08	14.66 0.25 -10.78	16.66 0.88 -3.65	17.26 1.00 -2.78	19.19 1.28 -0.62	19.43 1.26 0.00	33.94 2.02 0.00	72.34 4.82 -0.36	29.40 1.96 0.00	27.77 1.58 0.00	18.43 1.11 0.00	17.97 1.10 0.00
EAST___DELAWARE_HYD 23607	16.47 0.51 0.00	16.85 0.48 0.00	11.99 0.37 0.00	11.65 0.37 0.00	14.28 0.46 0.00	20.46 0.68 0.00	19.44 0.71 0.00	19.76 0.77 0.00	15.69 0.52 0.00	15.19 0.47 0.00	14.46 0.38 0.00	3.26 0.07 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.35 0.22 0.00	13.75 0.26 0.00	17.67 0.38 0.00	18.55 0.38 0.00	32.72 0.80 0.00	69.41 2.24 0.00	28.40 0.96 0.00	26.96 0.78 0.00	17.80 0.49 0.00	17.33 0.47 0.00
EIGHT_POINT___WT_PWR 323820	15.63 -0.34 0.00	15.72 -0.64 0.00	10.92 -0.70 0.00	10.50 -0.79 0.00	12.75 -1.06 0.00	18.41 -1.37 0.00	17.40 -1.33 0.00	17.65 -1.34 0.00	14.13 -1.05 0.00	13.86 -0.87 0.00	12.97 -1.11 0.00	2.93 -0.26 0.00	2.64 -0.19 0.00	3.40 -0.23 0.00	11.27 -0.86 0.00	12.45 -1.03 0.00	15.97 -1.31 0.00	16.80 -1.37 0.00	29.75 -2.17 0.00	62.47 -4.70 0.00	25.91 -1.53 0.00	26.06 -0.12 0.00	17.07 -0.24 0.00	16.34 -0.52 0.00
ELBRIDGE_115KV_TB2 80188	15.76 -0.23 -0.02	16.09 -0.28 0.00	11.46 -0.19 -0.03	11.10 -0.19 0.00	13.59 -0.24 -0.02	20.07 -0.28 -0.57	18.85 -0.24 -0.36	19.19 -0.01 -0.21	15.20 0.02 -0.01	14.73 0.01 0.00	14.08 0.00 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.02 0.00	12.10 -0.02 0.00	13.49 0.01 0.00	17.34 0.06 0.00	18.27 0.10 0.00	32.02 0.10 0.00	67.82 0.66 0.00	27.99 0.32 -0.23	26.64 0.46 0.00	17.44 0.11 -0.02	17.04 0.11 -0.07
ELEC_TRO_TEK 24086	16.93 0.97 0.00	17.33 0.97 0.00	12.40 0.78 0.00	12.04 0.76 0.00	14.70 0.88 0.00	20.92 1.13 0.00	19.88 1.15 0.00	20.18 1.19 0.00	16.10 0.93 0.00	15.79 1.07 0.00	15.10 1.03 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.84 0.20 0.00	12.86 0.73 0.00	14.29 0.81 0.00	18.46 1.16 0.00	19.24 1.07 0.00	33.53 1.61 0.00	71.04 3.87 0.00	29.02 1.59 0.00	27.58 1.40 0.00	18.34 1.03 0.00	17.93 1.06 0.00



ELLENBURG_WT_PWR 323604	15.35 -0.62 0.00	15.69 -0.67 0.00	11.09 -0.53 0.00	10.80 -0.49 0.00	13.35 -0.46 0.00	19.26 -0.52 0.00	18.03 -0.70 0.00	18.22 -0.77 0.00	14.52 -0.65 0.00	13.92 -0.81 0.00	13.33 -0.75 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.47 -0.16 0.00	11.71 -0.42 0.00	12.95 -0.53 0.00	16.69 -0.59 0.00	18.02 -0.15 0.00	32.67 0.75 0.00	68.58 1.41 0.00	27.81 0.37 0.00	26.00 -0.18 0.00	16.69 -0.62 0.00	16.26 -0.61 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	14.71 -1.10 0.15	15.14 -1.22 0.01	10.47 -0.92 0.23	10.38 -0.91 0.00	12.53 -1.18 0.11	14.21 -1.47 4.11	14.70 -1.45 2.58	16.60 -1.32 1.07	14.05 -1.09 0.03	13.79 -0.93 0.00	13.21 -0.87 0.00	3.06 -0.13 0.00	2.76 -0.06 0.00	3.56 -0.07 0.00	11.60 -0.52 0.00	12.73 -0.75 0.00	16.28 -1.01 0.00	16.93 -1.23 0.00	29.57 -2.35 0.00	63.12 -4.05 0.00	24.67 -1.69 1.08	25.32 -0.87 0.00	16.32 -0.90 0.08	15.73 -0.83 0.31
EMPIRE_CC_1 323656	16.34 0.38 0.00	16.78 0.41 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.38 0.00	20.33 0.54 0.00	19.28 0.55 0.00	19.54 0.54 0.00	15.56 0.39 0.00	15.07 0.35 0.00	14.42 0.34 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.69 0.05 0.00	12.35 0.22 0.00	13.76 0.28 0.00	17.60 0.32 0.00	18.49 0.32 0.00	32.46 0.54 0.00	68.71 1.54 0.00	28.10 0.66 0.00	26.72 0.54 0.00	17.67 0.36 0.00	17.24 0.37 0.00
EMPIRE_CC_2 323658	16.34 0.38 0.00	16.78 0.41 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.38 0.00	20.33 0.54 0.00	19.28 0.55 0.00	19.54 0.54 0.00	15.56 0.39 0.00	15.07 0.35 0.00	14.42 0.34 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.69 0.05 0.00	12.35 0.22 0.00	13.76 0.28 0.00	17.60 0.32 0.00	18.49 0.32 0.00	32.46 0.54 0.00	68.71 1.54 0.00	28.10 0.66 0.00	26.72 0.54 0.00	17.67 0.36 0.00	17.24 0.37 0.00
ENORWICH_115KV_TB1 80156	17.06 1.10 0.00	17.39 1.02 0.00	12.27 0.65 0.00	11.80 0.51 0.00	14.40 0.59 0.00	20.69 0.91 0.00	19.71 0.98 0.00	19.92 0.93 0.00	15.69 0.52 0.00	15.15 0.42 0.00	14.42 0.35 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.65 0.02 0.00	12.19 0.06 0.00	13.62 0.14 0.00	17.57 0.29 0.00	18.74 0.57 0.00	33.36 1.44 0.00	71.15 3.98 0.00	29.01 1.57 0.00	27.71 1.53 0.00	18.02 0.70 0.00	17.97 1.10 0.00
ERIE_ST__34_KV_TB1-2 80199	15.12 -0.70 0.14	15.55 -0.81 0.01	10.75 -0.64 0.22	10.65 -0.64 0.00	12.86 -0.85 0.10	14.82 -1.03 3.93	15.19 -1.07 2.47	17.06 -0.91 1.03	14.37 -0.77 0.03	14.14 -0.58 0.00	13.56 -0.52 0.00	3.13 -0.06 0.00	2.82 -0.01 0.00	3.64 0.00 0.00	11.87 -0.26 0.00	13.05 -0.43 0.00	16.74 -0.55 0.00	17.40 -0.77 0.00	30.34 -1.58 0.00	64.80 -2.37 0.00	25.38 -1.03 1.04	25.88 -0.30 0.00	16.73 -0.50 0.08	16.13 -0.44 0.30
ERIE_WT_PWR 323693	14.88 -0.94 0.14	15.29 -1.07 0.01	10.57 -0.82 0.23	10.47 -0.82 0.00	12.63 -1.07 0.11	14.49 -1.33 3.97	14.93 -1.30 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.91 -0.82 0.00	13.31 -0.77 0.00	3.07 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.83 -0.65 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.79 -2.13 0.00	63.68 -3.49 0.00	24.95 -1.44 1.05	25.55 -0.63 0.00	16.47 -0.76 0.08	15.88 -0.68 0.30
ESPRGFLD_115KV_TB1 80157	16.80 0.84 0.00	17.18 0.81 0.00	12.17 0.55 0.00	11.80 0.52 0.00	14.44 0.63 0.00	20.68 0.89 0.00	19.64 0.91 0.00	19.93 0.94 0.00	15.83 0.66 0.00	15.46 0.73 0.00	14.77 0.69 0.00	3.34 0.15 0.00	2.97 0.14 0.00	3.84 0.20 0.00	12.77 0.64 0.00	14.17 0.69 0.00	18.09 0.81 0.00	18.94 0.77 0.00	33.55 1.63 0.00	70.68 3.51 0.00	28.89 1.45 0.00	27.68 1.50 0.00	18.12 0.81 0.00	17.70 0.84 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	16.22 0.23 -0.02	16.57 0.19 0.00	11.77 0.11 -0.03	11.39 0.10 0.00	13.95 0.12 -0.02	20.57 0.23 -0.55	19.32 0.24 -0.35	19.46 0.30 -0.17	15.32 0.14 -0.01	14.83 0.10 0.00	14.14 0.06 0.00	3.20 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.02 -0.11 0.00	13.45 -0.03 0.00	17.36 0.07 0.00	18.36 0.19 0.00	32.33 0.41 0.00	68.59 1.42 0.00	28.21 0.60 -0.18	26.85 0.67 0.00	17.62 0.30 -0.01	17.22 0.31 -0.05
ETNA____115KV_TB2 80207	16.22 0.23 -0.02	16.57 0.19 0.00	11.77 0.11 -0.03	11.39 0.10 0.00	13.95 0.12 -0.02	20.57 0.23 -0.55	19.32 0.24 -0.35	19.46 0.30 -0.17	15.32 0.14 -0.01	14.83 0.10 0.00	14.14 0.06 0.00	3.20 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.02 -0.11 0.00	13.45 -0.03 0.00	17.36 0.07 0.00	18.36 0.19 0.00	32.33 0.41 0.00	68.59 1.42 0.00	28.21 0.60 -0.18	26.85 0.67 0.00	17.62 0.30 -0.01	17.22 0.31 -0.05
EUCLID____115KV_TB2 356179	15.73 -0.23 0.00	16.12 -0.25 0.00	11.44 -0.19 0.00	11.11 -0.18 0.00	13.59 -0.22 0.00	19.51 -0.27 0.00	18.48 -0.24 0.00	18.78 -0.22 0.00	14.96 -0.21 0.00	14.52 -0.20 0.00	13.88 -0.20 0.00	3.14 -0.04 0.00	2.79 -0.03 0.00	3.59 -0.04 0.00	11.92 -0.21 0.00	13.27 -0.21 0.00	17.05 -0.23 0.00	17.94 -0.23 0.00	31.52 -0.40 0.00	66.61 -0.56 0.00	27.22 -0.22 0.00	26.01 -0.17 0.00	17.12 -0.19 0.00	16.68 -0.19 0.00
E_CANADA_CAP_HY 24051	16.85 0.89 0.00	17.22 0.85 0.00	12.22 0.60 0.00	11.85 0.56 0.00	14.52 0.71 0.00	20.79 1.01 0.00	19.77 1.04 0.00	20.05 1.06 0.00	15.89 0.72 0.00	15.43 0.71 0.00	14.73 0.65 0.00	3.34 0.15 0.00	2.97 0.14 0.00	3.83 0.20 0.00	12.79 0.66 0.00	14.19 0.71 0.00	18.13 0.85 0.00	18.94 0.77 0.00	33.69 1.78 0.00	70.98 3.81 0.00	29.03 1.60 0.00	27.87 1.69 0.00	18.21 0.90 0.00	17.77 0.91 0.00
E_CANADA_MHWK_HY 24050	16.17 0.20 0.00	16.56 0.19 0.00	11.77 0.15 0.00	11.42 0.13 0.00	13.98 0.17 0.00	20.11 0.32 0.00	19.12 0.39 0.00	19.34 0.34 0.00	15.30 0.12 0.00	14.74 0.02 0.00	14.06 -0.02 0.00	3.14 -0.04 0.00	2.77 -0.06 0.00	3.55 -0.09 0.00	11.84 -0.29 0.00	13.19 -0.29 0.00	16.90 -0.38 0.00	17.90 -0.27 0.00	31.80 -0.12 0.00	67.75 0.59 0.00	27.71 0.28 0.00	26.29 0.11 0.00	17.20 -0.11 0.00	16.72 -0.15 0.00
E_FISHKILL____LBMP 23776	16.74 0.77 0.00	17.12 0.76 0.00	12.20 0.58 0.00	11.85 0.56 0.00	14.51 0.70 0.00	20.75 0.97 0.00	19.71 0.99 0.00	20.03 1.04 0.00	15.98 0.81 0.00	15.55 0.83 0.00	14.86 0.79 0.00	3.35 0.17 0.00	2.96 0.13 0.00	3.79 0.16 0.00	12.69 0.56 0.00	14.13 0.65 0.00	18.14 0.85 0.00	18.99 0.82 0.00	33.28 1.36 0.00	70.53 3.36 0.00	28.84 1.40 0.00	27.33 1.15 0.00	18.09 0.78 0.00	17.65 0.78 0.00
FALCON____SEABRD_CC1 323796	15.39 -0.57 0.00	15.67 -0.70 0.00	11.10 -0.52 0.00	10.81 -0.48 0.00	13.43 -0.38 0.00	19.46 -0.32 0.00	18.18 -0.55 0.00	18.41 -0.59 0.00	14.60 -0.57 0.00	13.91 -0.81 0.00	13.32 -0.76 0.00	3.01 -0.18 0.00	2.66 -0.17 0.00	3.47 -0.16 0.00	11.73 -0.40 0.00	13.01 -0.47 0.00	16.77 -0.51 0.00	18.25 0.08 0.00	33.38 1.46 0.00	70.28 3.12 0.00	28.45 1.02 0.00	26.50 0.32 0.00	16.82 -0.49 0.00	16.32 -0.55 0.00



FALCON___SEABRD_CC2 323797	15.39 -0.57 0.00	15.67 -0.70 0.00	11.10 -0.52 0.00	10.81 -0.48 0.00	13.43 -0.38 0.00	19.46 -0.32 0.00	18.18 -0.55 0.00	18.41 -0.59 0.00	14.60 -0.57 0.00	13.91 -0.81 0.00	13.32 -0.76 0.00	3.01 -0.18 0.00	2.66 -0.17 0.00	3.47 -0.16 0.00	11.73 -0.40 0.00	13.01 -0.47 0.00	16.77 -0.51 0.00	18.25 0.08 0.00	33.38 1.46 0.00	70.28 3.12 0.00	28.45 1.02 0.00	26.50 0.32 0.00	16.82 -0.49 0.00	16.32 -0.55 0.00
FAR ROCKAWAY___4 23548	17.13 1.16 0.00	17.52 1.16 0.00	12.54 0.92 0.00	12.17 0.89 0.00	14.84 1.03 0.00	21.13 1.35 0.00	20.07 1.34 0.00	20.37 1.37 0.00	16.26 1.09 0.00	15.95 1.23 0.00	15.25 1.18 0.00	3.43 0.25 0.00	3.03 0.21 0.00	3.88 0.24 0.00	12.99 0.86 0.00	14.44 0.96 0.00	18.67 1.38 -0.01	19.46 1.29 0.00	33.91 1.99 0.00	71.90 4.73 0.00	29.37 1.93 0.00	27.93 1.75 0.00	18.57 1.26 0.00	18.13 1.27 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.75 0.00	12.01 0.73 0.00	14.73 0.92 0.00	21.02 1.24 0.00	19.99 1.26 0.00	20.35 1.35 0.00	16.25 1.08 0.00	16.13 1.13 -0.28	16.72 1.08 -1.56	7.92 0.23 -4.50	16.13 0.19 -13.11	14.67 0.24 -10.80	16.60 0.82 -3.66	17.20 0.94 -2.79	19.10 1.20 -0.62	19.34 1.17 0.00	33.79 1.88 0.00	72.03 4.50 -0.36	29.29 1.85 0.00	27.67 1.49 0.00	18.37 1.06 0.00	17.92 1.06 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	16.99 1.03 0.00	17.37 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	21.03 1.25 0.00	20.00 1.27 0.00	20.36 1.37 0.00	16.26 1.09 0.00	16.14 1.14 -0.28	16.73 1.09 -1.56	7.92 0.23 -4.50	16.13 0.19 -13.11	14.67 0.24 -10.80	16.61 0.82 -3.66	17.20 0.94 -2.79	19.11 1.21 -0.62	19.35 1.18 0.00	33.81 1.90 0.00	72.08 4.56 -0.36	29.30 1.87 0.00	27.69 1.51 0.00	18.38 1.07 0.00	17.93 1.07 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	16.97 1.01 0.00	17.36 0.99 0.00	12.37 0.75 0.00	12.01 0.73 0.00	14.73 0.92 0.00	21.01 1.23 0.00	19.98 1.26 0.00	20.34 1.35 0.00	16.25 1.08 0.00	16.13 1.13 -0.28	16.71 1.07 -1.56	7.92 0.23 -4.50	16.13 0.19 -13.11	14.67 0.24 -10.80	16.60 0.81 -3.66	17.19 0.93 -2.79	19.10 1.19 -0.62	19.33 1.16 0.00	33.79 1.87 0.00	72.01 4.49 -0.36	29.27 1.84 0.00	27.66 1.48 0.00	18.36 1.05 0.00	17.92 1.05 0.00
FARRAGUT___LBMP 323566	16.97 1.00 0.00	17.35 0.98 0.00	12.37 0.75 0.00	12.01 0.72 0.00	14.72 0.91 0.00	21.00 1.22 0.00	19.97 1.25 0.00	20.33 1.33 0.00	16.24 1.07 0.00	16.12 1.12 -0.28	16.70 1.06 -1.56	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.59 0.80 -3.66	17.18 0.92 -2.79	19.08 1.18 -0.62	19.32 1.15 0.00	33.76 1.84 0.00	71.95 4.43 -0.36	29.25 1.81 0.00	27.64 1.46 0.00	18.36 1.04 0.00	17.91 1.04 0.00
FENNER___WINDPWR 24204	16.33 0.37 0.00	16.70 0.33 0.00	11.82 0.20 0.00	11.47 0.19 0.00	14.04 0.23 0.00	20.18 0.39 0.00	19.15 0.42 0.00	19.40 0.40 0.00	15.37 0.19 0.00	14.86 0.14 0.00	14.16 0.08 0.00	3.19 0.01 0.00	2.83 0.00 0.00	3.64 0.23 0.00	12.12 -0.01 0.00	13.56 0.08 0.00	17.50 0.22 0.00	18.55 0.38 0.00	32.74 0.82 0.00	69.37 2.20 0.00	28.33 0.90 0.00	26.99 0.81 0.00	17.68 0.36 0.00	17.28 0.42 0.00
FIBERTEK___ENERGY 23856	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
FITZPATRICK____ 23598	15.51 -0.45 0.00	15.89 -0.48 0.00	11.28 -0.34 0.00	10.95 -0.34 0.00	13.40 -0.41 0.00	19.23 -0.56 0.00	18.22 -0.51 0.00	18.47 -0.52 0.00	14.72 -0.45 0.00	14.29 -0.44 0.00	13.65 -0.42 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.53 -0.10 0.00	11.75 -0.38 0.00	13.07 -0.41 0.00	16.78 -0.51 0.00	17.64 -0.53 0.00	31.00 -0.92 0.00	65.44 -1.73 0.00	26.73 -0.71 0.00	25.54 -0.64 0.00	16.83 -0.48 0.00	16.40 -0.47 0.00
FLOWRFLD_69_KV_BK1 356044	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.20 0.92 0.00	14.88 1.07 0.00	21.13 1.35 0.00	20.07 1.34 0.00	20.36 1.37 0.00	16.19 1.01 0.00	15.94 1.22 0.00	15.25 1.18 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.85 0.22 0.00	12.88 0.75 0.00	14.29 0.81 0.00	18.53 1.25 0.00	19.34 1.17 0.00	33.71 1.79 0.00	71.41 4.24 0.00	29.17 1.73 0.00	27.81 1.62 0.00	18.57 1.26 0.00	18.18 1.31 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	17.03 1.06 0.00	17.41 1.04 0.00	12.41 0.78 0.00	12.05 0.76 0.00	14.76 0.94 0.00	21.14 1.36 0.00	20.09 1.37 0.00	20.42 1.42 0.00	16.24 1.07 0.00	15.77 1.05 0.00	15.05 0.98 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.85 0.21 0.00	12.86 0.73 0.00	14.33 0.85 0.00	18.44 1.16 0.00	19.34 1.17 0.00	33.98 2.06 0.00	72.06 4.89 0.00	29.46 2.02 0.00	27.94 1.76 0.00	18.45 1.14 0.00	17.98 1.11 0.00
FORT ORANGE____ 23900	16.23 0.26 0.00	16.64 0.27 0.00	11.84 0.22 0.00	11.51 0.22 0.00	14.09 0.27 0.00	20.14 0.36 0.00	19.16 0.43 0.00	19.37 0.38 0.00	15.43 0.26 0.00	14.92 0.19 0.00	14.27 0.20 0.00	3.23 0.04 0.00	2.86 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.63 0.15 0.00	17.41 0.12 0.00	18.28 0.12 0.00	32.16 0.24 0.00	68.24 1.08 0.00	27.92 0.48 0.00	26.52 0.34 0.00	17.57 0.25 0.00	17.11 0.24 0.00
FORT_DRUM_COGEN 23780	15.39 -0.57 0.00	15.64 -0.73 0.00	11.05 -0.58 0.00	10.75 -0.53 0.00	13.17 -0.64 0.00	18.89 -0.89 0.00	17.89 -0.83 0.00	18.00 -0.99 0.00	14.17 -1.00 0.00	13.66 -1.06 0.00	13.08 -1.00 0.00	2.92 -0.26 0.00	2.59 -0.24 0.00	3.33 -0.30 0.00	11.11 -1.01 0.00	12.60 -0.88 0.00	16.14 -1.15 0.00	17.63 -0.54 0.00	31.16 -0.76 0.00	66.80 -0.37 0.00	27.03 -0.41 0.00	25.64 -0.54 0.00	16.63 -0.68 0.00	16.36 -0.51 0.00
FOX_HILLS___ESR 323835	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.99 0.00	21.11 1.33 0.00	20.09 1.36 0.00	20.43 1.44 0.00	16.31 1.14 0.00	16.16 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.66 0.84 -3.69	17.25 0.96 -2.81	19.16 1.25 -0.63	19.41 1.24 0.00	33.87 1.95 0.00	72.08 4.55 -0.36	29.37 1.93 0.00	27.80 1.62 0.00	18.46 1.15 0.00	18.00 1.13 0.00
FPL FAR_ROCK_GT1 24212	17.12 1.16 0.00	17.52 1.16 0.00	12.54 0.92 0.00	12.17 0.89 0.00	14.85 1.03 0.00	21.13 1.35 0.00	20.07 1.34 0.00	20.36 1.37 0.00	16.25 1.08 0.00	15.95 1.23 0.00	15.25 1.18 0.00	3.43 0.25 0.00	3.03 0.21 0.00	3.88 0.24 0.00	12.99 0.86 0.00	14.44 0.96 0.00	18.67 1.38 -0.01	19.46 1.29 0.00	33.91 1.99 0.00	71.90 4.73 0.00	29.37 1.93 0.00	27.93 1.75 0.00	18.57 1.26 0.00	18.13 1.27 0.00



FPL_FAR_ROCK_GT2 23815	17.12 1.16 0.00	17.52 1.16 0.00	12.54 0.92 0.00	12.17 0.89 0.00	14.85 1.03 0.00	21.13 1.35 0.00	20.07 1.34 0.00	20.36 1.37 0.00	16.25 1.08 0.00	15.95 1.23 0.00	15.25 1.18 0.00	3.43 0.25 0.00	3.03 0.21 0.00	3.88 0.24 0.00	12.99 0.86 0.00	14.44 0.96 0.00	18.67 1.38 -0.01	19.46 1.29 0.00	33.91 1.99 0.00	71.90 4.73 0.00	29.37 1.93 0.00	27.93 1.75 0.00	18.57 1.26 0.00	18.13 1.27 0.00
FRANKLIN_FALL_HYD 24054	15.52 -0.45 0.00	15.90 -0.47 0.00	11.23 -0.39 0.00	10.93 -0.36 0.00	13.47 -0.34 0.00	19.38 -0.40 0.00	18.22 -0.51 0.00	18.43 -0.56 0.00	14.70 -0.47 0.00	14.12 -0.60 0.00	13.50 -0.58 0.00	3.05 -0.13 0.00	2.71 -0.12 0.00	3.51 -0.12 0.00	11.80 -0.32 0.00	13.07 -0.41 0.00	16.84 -0.44 0.00	18.06 -0.11 0.00	32.48 0.57 0.00	68.08 0.91 0.00	27.66 0.22 0.00	26.03 -0.16 0.00	16.86 -0.46 0.00	16.40 -0.47 0.00
FREEPORT_EQUS_GT1 23764	17.02 1.05 0.00	17.42 1.05 0.00	12.46 0.84 0.00	12.10 0.81 0.00	14.76 0.95 0.00	21.01 1.23 0.00	19.95 1.23 0.00	20.25 1.26 0.00	16.16 0.98 0.00	15.85 1.13 0.00	15.16 1.08 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.85 0.21 0.00	12.88 0.76 0.00	14.31 0.83 0.00	18.52 1.23 0.00	19.31 1.14 0.00	33.65 1.73 0.00	71.36 4.19 0.00	29.14 1.71 0.00	27.71 1.53 0.00	18.44 1.13 0.00	18.02 1.16 0.00
FREEPORT___CT2 23818	17.02 1.05 0.00	17.42 1.05 0.00	12.46 0.84 0.00	12.10 0.81 0.00	14.76 0.95 0.00	21.01 1.23 0.00	19.95 1.23 0.00	20.25 1.26 0.00	16.16 0.98 0.00	15.85 1.13 0.00	15.16 1.08 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.85 0.21 0.00	12.88 0.76 0.00	14.31 0.83 0.00	18.52 1.23 0.00	19.31 1.14 0.00	33.65 1.73 0.00	71.36 4.19 0.00	29.14 1.71 0.00	27.71 1.53 0.00	18.44 1.13 0.00	18.02 1.16 0.00
FRESHKLS_33_KV_LOAD 356253	17.07 1.10 0.00	17.45 1.08 0.00	12.43 0.81 0.00	12.08 0.79 0.00	14.81 0.99 0.00	21.13 1.35 0.00	20.10 1.37 0.00	20.43 1.43 0.00	16.28 1.11 0.00	16.11 1.11 -0.28	16.70 1.05 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.62 0.79 -3.69	17.21 0.91 -2.81	19.11 1.20 -0.63	19.36 1.19 0.00	33.77 1.85 0.00	71.77 4.24 -0.36	29.29 1.86 0.00	27.76 1.58 0.00	18.46 1.15 0.00	18.00 1.14 0.00
FULTON COGEN____ 23766	15.63 -0.33 0.00	16.02 -0.35 0.00	11.36 -0.25 0.00	11.04 -0.25 0.00	13.52 -0.30 0.00	19.40 -0.38 0.00	18.38 -0.34 0.00	18.66 -0.34 0.00	14.84 -0.33 0.00	14.39 -0.33 0.00	13.75 -0.33 0.00	3.11 -0.07 0.00	2.76 -0.07 0.00	3.55 -0.08 0.00	11.81 -0.32 0.00	13.16 -0.32 0.00	16.92 -0.37 0.00	17.82 -0.35 0.00	31.31 -0.61 0.00	66.17 -1.00 0.00	27.02 -0.42 0.00	25.81 -0.37 0.00	16.99 -0.32 0.00	16.55 -0.32 0.00
FULTON___LFGE 323630	17.79 1.82 0.00	18.17 1.80 0.00	12.87 1.26 0.00	12.50 1.22 0.00	15.34 1.53 0.00	22.10 2.32 0.00	21.14 2.41 0.00	21.33 2.34 0.00	16.61 1.43 0.00	15.92 1.20 0.00	15.03 0.95 0.00	3.37 0.19 0.00	3.00 0.17 0.00	3.87 0.24 0.00	12.91 0.79 0.00	14.31 0.83 0.00	18.53 1.25 0.00	19.63 1.47 0.00	35.76 3.84 0.00	76.03 8.86 0.00	31.09 3.65 0.00	29.72 3.53 0.00	19.29 1.98 0.00	18.73 1.86 0.00
G.F.CEMENT___DRP 24184	16.42 0.46 0.00	16.80 0.43 0.00	11.97 0.35 0.00	11.63 0.34 0.00	14.28 0.47 0.00	20.62 0.84 0.00	19.60 0.88 0.00	19.83 0.83 0.00	15.68 0.51 0.00	15.07 0.35 0.00	14.34 0.26 0.00	3.22 0.04 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.23 0.10 0.00	13.65 0.18 0.00	17.66 0.38 0.00	18.69 0.52 0.00	33.01 1.10 0.00	70.16 2.99 0.00	28.69 1.25 0.00	27.21 1.03 0.00	17.78 0.47 0.00	17.26 0.39 0.00
GARDENVILLE___LBMP 24039	14.82 -1.00 0.14	15.23 -1.12 0.01	10.53 -0.86 0.23	10.44 -0.85 0.00	12.60 -1.11 0.11	14.45 -1.39 3.95	14.86 -1.38 2.49	16.71 -1.25 1.03	14.10 -1.04 0.03	13.85 -0.87 0.00	13.26 -0.82 0.00	3.06 -0.12 0.00	2.77 -0.06 0.00	3.57 -0.07 0.00	11.64 -0.50 0.00	12.77 -0.71 0.00	16.35 -0.93 0.00	17.01 -1.16 0.00	29.70 -2.22 0.00	63.48 -3.69 0.00	24.86 -1.54 1.04	25.45 -0.73 0.00	16.42 -0.81 0.08	15.84 -0.73 0.30
GARDNVLA_35_KV_LD 355827	14.88 -0.94 0.14	15.30 -1.06 0.01	10.58 -0.81 0.23	10.48 -0.81 0.00	12.65 -1.05 0.11	14.52 -1.29 3.97	14.93 -1.30 2.50	16.80 -1.16 1.04	14.18 -0.97 0.03	13.93 -0.79 0.00	13.33 -0.75 0.00	3.08 -0.10 0.00	2.78 -0.04 0.00	3.59 -0.05 0.00	11.70 -0.43 0.00	12.85 -0.63 0.00	16.44 -0.85 0.00	17.11 -1.06 0.00	29.86 -2.06 0.00	63.81 -3.36 0.00	24.98 -1.41 1.05	25.58 -0.60 0.00	16.49 -0.74 0.08	15.90 -0.67 0.30
GELCKHM___115KV_LOAD 80723	15.77 -0.19 0.00	16.15 -0.21 0.00	11.46 -0.16 0.00	11.13 -0.15 0.00	13.63 -0.18 0.00	19.56 -0.22 0.00	18.54 -0.19 0.00	18.88 -0.12 0.00	15.05 -0.12 0.00	14.60 -0.12 0.00	13.96 -0.11 0.00	3.16 -0.02 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.99 -0.13 0.00	13.35 -0.12 0.00	17.17 -0.12 0.00	18.07 -0.10 0.00	31.73 -0.19 0.00	67.10 -0.07 0.00	27.42 -0.02 0.00	26.22 0.04 0.00	17.23 -0.08 0.00	16.79 -0.08 0.00
GENERAL___MILLS 23808	14.86 -0.96 0.14	15.28 -1.07 0.01	10.57 -0.83 0.23	10.47 -0.82 0.00	12.64 -1.07 0.11	14.50 -1.32 3.97	14.91 -1.32 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.90 -0.82 0.00	13.31 -0.77 0.00	3.08 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.82 -0.66 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.80 -2.12 0.00	63.69 -3.48 0.00	24.94 -1.46 1.05	25.54 -0.64 0.00	16.47 -0.76 0.08	15.88 -0.69 0.30
GE_PLASTICS___DRP 24183	16.22 0.26 0.00	16.64 0.27 0.00	11.84 0.22 0.00	11.50 0.21 0.00	14.08 0.27 0.00	20.13 0.35 0.00	19.12 0.39 0.00	19.36 0.36 0.00	15.43 0.26 0.00	14.95 0.23 0.00	14.31 0.23 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.30 0.17 0.00	13.66 0.19 0.00	17.46 0.17 0.00	18.30 0.13 0.00	32.20 0.28 0.00	68.24 1.08 0.00	27.90 0.46 0.00	26.52 0.34 0.00	17.56 0.24 0.00	17.11 0.25 0.00
GILBOA___1 23756	16.33 0.36 0.00	16.79 0.42 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.37 0.00	20.27 0.48 0.00	19.20 0.47 0.00	19.46 0.46 0.00	15.54 0.36 0.00	15.08 0.36 0.00	14.44 0.36 0.00	3.27 0.08 0.00	2.90 0.07 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.85 0.37 0.00	17.69 0.40 0.00	18.51 0.34 0.00	32.50 0.58 0.00	68.65 1.48 0.00	28.05 0.62 0.00	26.71 0.53 0.00	17.67 0.36 0.00	17.24 0.37 0.00
GILBOA___2 23757	16.33 0.36 0.00	16.79 0.42 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.37 0.00	20.27 0.48 0.00	19.20 0.47 0.00	19.46 0.46 0.00	15.54 0.36 0.00	15.08 0.36 0.00	14.44 0.36 0.00	3.27 0.08 0.00	2.90 0.07 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.85 0.37 0.00	17.69 0.40 0.00	18.51 0.34 0.00	32.50 0.58 0.00	68.65 1.48 0.00	28.05 0.62 0.00	26.71 0.53 0.00	17.67 0.36 0.00	17.24 0.37 0.00



GILBOA___3 23758	16.33 0.36 0.00	16.79 0.42 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.37 0.00	20.27 0.48 0.00	19.20 0.47 0.00	19.46 0.46 0.00	15.54 0.36 0.00	15.08 0.36 0.00	14.44 0.36 0.00	3.27 0.08 0.00	2.90 0.07 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.85 0.37 0.00	17.69 0.40 0.00	18.51 0.34 0.00	32.50 0.58 0.00	68.65 1.48 0.00	28.05 0.62 0.00	26.71 0.53 0.00	17.67 0.36 0.00	17.24 0.37 0.00
GILBOA___4 23759	16.33 0.36 0.00	16.79 0.42 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.37 0.00	20.27 0.48 0.00	19.20 0.47 0.00	19.46 0.46 0.00	15.54 0.36 0.00	15.08 0.36 0.00	14.44 0.36 0.00	3.27 0.08 0.00	2.90 0.07 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.85 0.37 0.00	17.69 0.40 0.00	18.51 0.34 0.00	32.50 0.58 0.00	68.65 1.48 0.00	28.05 0.62 0.00	26.71 0.53 0.00	17.67 0.36 0.00	17.24 0.37 0.00
GILBOA___ 23599	16.33 0.36 0.00	16.79 0.42 0.00	11.94 0.32 0.00	11.60 0.31 0.00	14.19 0.37 0.00	20.27 0.49 0.00	19.20 0.47 0.00	19.46 0.46 0.00	15.54 0.36 0.00	15.09 0.36 0.00	14.44 0.36 0.00	3.27 0.08 0.00	2.90 0.07 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.85 0.37 0.00	17.69 0.40 0.00	18.51 0.34 0.00	32.50 0.58 0.00	68.65 1.48 0.00	28.05 0.61 0.00	26.71 0.53 0.00	17.67 0.36 0.00	17.24 0.37 0.00
GINNA___ 23603	14.22 -1.48 0.27	14.79 -1.55 0.02	10.06 -1.13 0.43	10.19 -1.10 0.00	12.25 -1.36 0.20	10.51 -1.74 7.54	12.41 -1.58 4.74	15.46 -1.55 1.98	13.81 -1.31 0.06	13.48 -1.24 0.00	12.90 -1.18 0.00	2.96 -0.23 0.00	2.66 -0.17 0.00	3.43 -0.20 0.00	11.32 -0.81 0.00	12.44 -1.04 0.00	15.97 -1.32 0.00	16.72 -1.45 0.00	29.29 -2.63 0.00	62.08 -5.09 0.00	23.33 -2.10 2.01	24.59 -1.59 0.00	15.82 -1.34 0.16	14.99 -1.30 0.57
GLEN PARK___ 23778	15.43 -0.53 0.00	15.68 -0.68 0.00	11.07 -0.55 0.00	10.78 -0.50 0.00	13.20 -0.61 0.00	18.96 -0.83 0.00	17.96 -0.77 0.00	18.06 -0.94 0.00	14.18 -0.99 0.00	13.65 -1.08 0.00	13.08 -0.99 0.00	2.92 -0.26 0.00	2.59 -0.24 0.00	3.33 -0.31 0.00	11.09 -1.04 0.00	12.61 -0.87 0.00	16.12 -1.17 0.00	17.66 -0.51 0.00	31.22 -0.70 0.00	67.05 -0.12 0.00	27.15 -0.29 0.00	25.75 -0.43 0.00	16.69 -0.62 0.00	16.41 -0.46 0.00
GLENDALE_27_KV_LOAD 356172	17.05 1.09 0.00	17.43 1.06 0.00	12.43 0.80 0.00	12.06 0.77 0.00	14.79 0.98 0.00	21.08 1.29 0.00	20.07 1.34 0.00	20.44 1.44 0.00	16.34 1.17 0.00	16.22 1.21 -0.28	16.80 1.15 -1.58	7.98 0.25 -4.55	16.28 0.21 -13.24	14.80 0.26 -10.91	16.70 0.88 -3.69	17.29 1.00 -2.81	19.20 1.29 -0.63	19.44 1.27 0.00	33.97 2.05 0.00	72.35 4.82 -0.36	29.43 1.99 0.00	27.82 1.64 0.00	18.47 1.15 0.00	18.00 1.13 0.00
GLENWOOD_IC_1_G5 23712	16.97 1.01 0.00	17.37 1.00 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.73 0.91 0.00	20.99 1.21 0.00	19.95 1.22 0.00	20.27 1.27 0.00	16.18 1.01 0.00	15.83 1.10 0.00	15.14 1.06 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.85 0.22 0.00	12.90 0.77 0.00	14.35 0.87 0.00	18.49 1.21 0.00	19.31 1.14 0.00	33.70 1.78 0.00	71.42 4.25 0.00	29.17 1.74 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.96 1.09 0.00
GLENWOOD_IC_2_G1 23688	16.92 0.96 0.00	17.32 0.95 0.00	12.36 0.74 0.00	12.01 0.72 0.00	14.68 0.87 0.00	20.95 1.16 0.00	19.89 1.17 0.00	20.21 1.22 0.00	16.13 0.96 0.00	15.77 1.05 0.00	15.08 1.01 0.00	3.40 0.21 0.00	3.00 0.18 0.00	3.84 0.21 0.00	12.86 0.73 0.00	14.31 0.83 0.00	18.42 1.13 0.00	19.24 1.07 0.00	33.61 1.69 0.00	71.23 4.06 0.00	29.10 1.66 0.00	27.59 1.41 0.00	18.32 1.00 0.00	17.89 1.02 0.00
GLENWOOD_IC_3_G1 23689	16.92 0.96 0.00	17.32 0.95 0.00	12.36 0.74 0.00	12.01 0.72 0.00	14.68 0.87 0.00	20.95 1.16 0.00	19.89 1.17 0.00	20.21 1.22 0.00	16.13 0.96 0.00	15.77 1.05 0.00	15.08 1.01 0.00	3.40 0.21 0.00	3.00 0.18 0.00	3.84 0.21 0.00	12.86 0.73 0.00	14.31 0.83 0.00	18.42 1.13 0.00	19.24 1.07 0.00	33.61 1.69 0.00	71.23 4.06 0.00	29.10 1.66 0.00	27.59 1.41 0.00	18.32 1.00 0.00	17.89 1.02 0.00
GLENWOOD___4 23550	16.97 1.01 0.00	17.37 1.00 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.73 0.91 0.00	20.99 1.21 0.00	19.95 1.22 0.00	20.27 1.27 0.00	16.18 1.01 0.00	15.83 1.10 0.00	15.14 1.06 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.85 0.22 0.00	12.90 0.77 0.00	14.35 0.87 0.00	18.49 1.21 0.00	19.31 1.14 0.00	33.70 1.78 0.00	71.42 4.25 0.00	29.17 1.74 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.96 1.09 0.00
GLENWOOD___5 23614	16.97 1.01 0.00	17.37 1.00 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.73 0.91 0.00	20.99 1.21 0.00	19.95 1.22 0.00	20.27 1.27 0.00	16.18 1.01 0.00	15.83 1.10 0.00	15.14 1.06 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.85 0.22 0.00	12.90 0.77 0.00	14.35 0.87 0.00	18.49 1.21 0.00	19.31 1.14 0.00	33.70 1.78 0.00	71.42 4.25 0.00	29.17 1.74 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.96 1.09 0.00
GLOBAL GREEN_PORT_GT1 23814	17.33 1.36 0.00	17.83 1.47 0.00	12.80 1.18 0.00	12.43 1.14 0.00	15.17 1.35 0.00	21.58 1.80 0.00	20.50 1.78 0.00	20.82 1.82 0.00	16.54 1.37 0.00	16.34 1.61 0.00	15.55 1.47 0.00	3.48 0.30 0.00	3.08 0.25 0.00	3.91 0.28 0.00	13.07 0.94 0.00	14.48 1.00 0.00	18.83 1.55 0.00	19.68 1.51 0.00	34.44 2.52 0.00	73.15 5.98 0.00	29.88 2.44 0.00	28.38 2.20 0.00	18.98 1.67 0.00	18.56 1.70 0.00
GLOBE___DSASP 323697	14.04 -1.76 0.16	14.49 -1.87 0.02	10.00 -1.35 0.26	9.97 -1.32 0.00	12.00 -1.70 0.12	13.02 -2.22 4.54	13.77 -2.10 2.86	15.80 -2.00 1.19	13.53 -1.61 0.03	13.25 -1.47 0.00	12.69 -1.39 0.00	2.97 -0.22 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.30 -0.83 0.00	12.25 -1.23 0.00	15.62 -1.67 0.00	16.23 -1.94 0.00	28.34 -3.58 0.00	60.32 -6.84 0.00	23.42 -2.81 1.20	24.26 -1.92 0.00	15.58 -1.64 0.09	15.03 -1.50 0.34
GOETHSLN___LBMP 323567	16.91 0.94 0.00	17.29 0.92 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.68 0.86 0.00	20.93 1.15 0.00	19.90 1.17 0.00	20.25 1.26 0.00	16.17 0.99 0.00	16.05 1.04 -0.28	16.63 1.00 -1.56	7.90 0.22 -4.50	16.11 0.18 -13.11	14.65 0.21 -10.80	16.53 0.74 -3.66	17.13 0.86 -2.79	19.01 1.10 -0.62	19.24 1.07 0.00	33.63 1.71 0.00	71.67 4.15 -0.36	29.13 1.69 0.00	27.53 1.35 0.00	18.28 0.96 0.00	17.84 0.97 0.00
GOLAH___69_KV_TB 1_2 80279	14.96 -0.80 0.21	15.48 -0.87 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.81 0.15	13.15 -0.91 5.72	14.31 -0.82 3.60	16.74 -0.76 1.50	14.44 -0.69 0.04	14.10 -0.62 0.00	13.50 -0.58 0.00	3.10 -0.08 0.00	2.79 -0.03 0.00	3.60 -0.03 0.00	11.87 -0.26 0.00	13.01 -0.47 0.00	16.72 -0.57 0.00	17.47 -0.70 0.00	30.60 -1.32 0.00	65.03 -2.14 0.00	25.01 -0.91 1.52	25.85 -0.33 0.00	16.62 -0.57 0.12	15.90 -0.53 0.43



GOODYEAR_LAKE_HYD 323669	16.63 0.67 0.00	17.03 0.66 0.00	12.09 0.46 0.00	11.72 0.43 0.00	14.34 0.52 0.00	20.52 0.74 0.00	19.49 0.76 0.00	19.77 0.78 0.00	15.73 0.56 0.00	15.35 0.63 0.00	14.67 0.60 0.00	3.31 0.13 0.00	2.94 0.11 0.00	3.79 0.16 0.00	12.65 0.52 0.00	14.03 0.55 0.00	17.93 0.65 0.00	18.80 0.63 0.00	33.12 1.21 0.00	69.91 2.74 0.00	28.57 1.13 0.00	27.29 1.11 0.00	17.95 0.64 0.00	17.53 0.67 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	16.34 0.38 0.00	16.73 0.36 0.00	11.84 0.22 0.00	11.51 0.22 0.00	14.09 0.27 0.00	20.17 0.39 0.00	19.00 0.27 0.00	19.44 0.45 0.00	15.42 0.25 0.00	15.09 0.37 0.00	14.45 0.38 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.76 0.13 0.00	12.56 0.43 0.00	13.88 0.40 0.00	17.64 0.36 0.00	18.51 0.34 0.00	32.49 0.57 0.00	69.03 1.86 0.00	28.12 0.68 0.00	27.01 0.83 0.00	17.77 0.46 0.00	17.28 0.42 0.00
GOUDEY___7 23579	16.36 0.39 0.00	16.74 0.37 0.00	11.85 0.23 0.00	11.52 0.23 0.00	14.10 0.29 0.00	20.19 0.40 0.00	19.01 0.28 0.00	19.46 0.46 0.00	15.42 0.25 0.00	15.10 0.38 0.00	14.46 0.39 0.00	3.28 0.10 0.00	2.92 0.09 0.00	3.77 0.13 0.00	12.57 0.44 0.00	13.89 0.41 0.00	17.66 0.37 0.00	18.53 0.36 0.00	32.52 0.60 0.00	69.07 1.90 0.00	28.13 0.70 0.00	27.04 0.86 0.00	17.79 0.47 0.00	17.30 0.43 0.00
GOUDEY___8 23580	16.34 0.38 0.00	16.73 0.36 0.00	11.84 0.22 0.00	11.51 0.22 0.00	14.09 0.27 0.00	20.17 0.39 0.00	19.00 0.27 0.00	19.44 0.45 0.00	15.42 0.25 0.00	15.09 0.37 0.00	14.45 0.38 0.00	3.28 0.10 0.00	2.91 0.08 0.00	3.76 0.13 0.00	12.56 0.43 0.00	13.88 0.40 0.00	17.64 0.36 0.00	18.51 0.34 0.00	32.49 0.57 0.00	69.03 1.86 0.00	28.12 0.68 0.00	27.01 0.83 0.00	17.77 0.46 0.00	17.28 0.42 0.00
GOWANUS_GT1_1 24077	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_2 24078	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_3 24079	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_4 24080	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_5 24084	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_6 24111	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_7 24112	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT1_8 24113	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_1 24114	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_2 24115	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_3 24116	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00



GOWANUS_GT2_4 24117	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_5 24118	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_6 24119	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_7 24120	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT2_8 24121	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_1 24122	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_2 24123	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_3 24124	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_4 24125	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_5 24126	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_6 24127	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_7 24128	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT3_8 24129	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_1 24130	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_2 24131	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00



GOWANUS_GT4_3 24132	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_4 24133	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_5 24134	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_6 24135	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_7 24136	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GOWANUS_GT4_8 24137	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GREENBSH_115KV_TB3 55895	16.15 0.18 0.00	16.56 0.19 0.00	11.78 0.17 0.00	11.45 0.16 0.00	14.01 0.20 0.00	20.03 0.25 0.00	19.04 0.31 0.00	19.26 0.27 0.00	15.37 0.20 0.00	14.89 0.17 0.00	14.26 0.18 0.00	3.22 0.04 0.00	2.85 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.63 0.15 0.00	17.39 0.10 0.00	18.24 0.07 0.00	32.03 0.11 0.00	67.87 0.70 0.00	27.75 0.31 0.00	26.36 0.18 0.00	17.47 0.16 0.00	17.03 0.16 0.00
GREENIDGE_115KV_TB5 80291	16.01 -0.19 -0.24	16.09 -0.30 -0.02	11.71 -0.30 -0.39	10.98 -0.30 0.00	13.61 -0.38 -0.18	26.14 -0.42 -6.78	22.61 -0.37 -4.26	20.56 -0.27 -1.84	14.90 -0.32 -0.05	14.41 -0.32 0.00	13.70 -0.37 0.00	3.11 -0.07 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.82 -0.31 0.00	13.13 -0.35 0.00	16.88 -0.40 0.00	17.82 -0.35 0.00	31.25 -0.67 0.00	66.22 -0.95 0.00	29.02 -0.30 -1.88	26.40 0.22 0.00	17.45 -0.01 -0.15	17.31 -0.09 -0.54
GREENIDGE___3 23582	16.01 -0.19 -0.24	16.09 -0.30 -0.02	11.71 -0.30 -0.39	10.98 -0.30 0.00	13.61 -0.38 -0.18	26.14 -0.42 -6.78	22.61 -0.37 -4.26	20.56 -0.27 -1.84	14.90 -0.32 -0.05	14.41 -0.32 0.00	13.70 -0.37 0.00	3.11 -0.07 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.82 -0.31 0.00	13.13 -0.35 0.00	16.88 -0.40 0.00	17.82 -0.35 0.00	31.25 -0.67 0.00	66.22 -0.95 0.00	29.02 -0.30 -1.88	26.40 0.22 0.00	17.45 -0.01 -0.15	17.31 -0.09 -0.54
GREENIDGE___4 23583	16.02 -0.19 -0.24	16.09 -0.30 -0.02	11.72 -0.30 -0.39	10.98 -0.30 0.00	13.61 -0.38 -0.18	26.14 -0.42 -6.78	22.62 -0.36 -4.26	20.56 -0.27 -1.84	14.90 -0.32 -0.05	14.41 -0.32 0.00	13.70 -0.37 0.00	3.11 -0.07 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.82 -0.31 0.00	13.13 -0.35 0.00	16.88 -0.40 0.00	17.82 -0.35 0.00	31.25 -0.67 0.00	66.20 -0.97 0.00	29.02 -0.30 -1.88	26.40 0.22 0.00	17.45 -0.01 -0.15	17.31 -0.09 -0.54
GREENLWN_69_KV_BK 3 55738	16.90 0.93 0.00	17.31 0.94 0.00	12.41 0.79 0.00	12.06 0.77 0.00	14.68 0.87 0.00	20.81 1.02 0.00	19.72 1.00 0.00	20.01 1.02 0.00	15.96 0.79 0.00	15.74 1.02 0.00	15.10 1.02 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.83 0.70 0.00	14.25 0.77 0.00	18.44 1.15 0.00	19.18 1.01 0.00	33.32 1.40 0.00	70.55 3.38 0.00	28.81 1.37 0.00	27.42 1.24 0.00	18.31 1.00 0.00	17.94 1.08 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00
GRISSOM___SOLAR 323813	17.79 1.82 0.00	18.17 1.80 0.00	12.87 1.26 0.00	12.50 1.22 0.00	15.34 1.53 0.00	22.10 2.32 0.00	21.14 2.41 0.00	21.33 2.34 0.00	16.61 1.43 0.00	15.92 1.20 0.00	15.03 0.95 0.00	3.37 0.19 0.00	3.00 0.17 0.00	3.87 0.24 0.00	12.91 0.79 0.00	14.31 0.83 0.00	18.53 1.25 0.00	19.63 1.47 0.00	35.76 3.84 0.00	76.03 8.86 0.00	31.09 3.65 0.00	29.72 3.53 0.00	19.29 1.98 0.00	18.73 1.86 0.00
GROVEVILLE___HYD 323602	17.03 1.06 0.00	17.41 1.04 0.00	12.41 0.78 0.00	12.05 0.76 0.00	14.76 0.94 0.00	21.14 1.36 0.00	20.09 1.37 0.00	20.42 1.42 0.00	16.24 1.07 0.00	15.77 1.05 0.00	15.05 0.98 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.85 0.21 0.00	12.86 0.73 0.00	14.33 0.85 0.00	18.44 1.16 0.00	19.34 1.17 0.00	33.98 2.06 0.00	72.06 4.89 0.00	29.46 2.02 0.00	27.94 1.76 0.00	18.45 1.14 0.00	17.98 1.11 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05



HAMLTNNY_34_KV_TB 80303	15.82 -0.15 0.00	16.17 -0.20 0.00	11.48 -0.14 0.00	11.15 -0.14 0.00	13.63 -0.18 0.00	19.61 -0.17 0.00	18.59 -0.14 0.00	19.20 0.09 -0.11	15.27 0.09 0.00	14.80 0.08 0.00	14.14 0.06 0.00	3.20 0.02 0.00	2.85 0.03 0.00	3.66 0.03 0.00	12.15 0.02 0.00	13.54 0.06 0.00	17.42 0.13 0.00	18.36 0.19 0.00	32.21 0.29 0.00	68.26 1.09 0.00	28.08 0.49 -0.16	26.80 0.62 0.00	17.52 0.19 -0.01	17.11 0.20 -0.05
HAMPSHIRE___PAPER_HYD 323593	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00
HARDSCRABBLE_WT_PWR 323673	16.15 0.18 0.00	16.54 0.17 0.00	11.74 0.12 0.00	11.39 0.10 0.00	13.94 0.13 0.00	20.03 0.25 0.00	19.03 0.30 0.00	19.25 0.25 0.00	15.26 0.09 0.00	14.73 0.01 0.00	14.06 -0.02 0.00	3.14 -0.04 0.00	2.77 -0.06 0.00	3.55 -0.08 0.00	11.86 -0.28 0.00	13.21 -0.27 0.00	16.88 -0.40 0.00	17.88 -0.29 0.00	31.74 -0.18 0.00	67.55 0.38 0.00	27.61 0.17 0.00	26.19 0.01 0.00	17.08 -0.23 0.00	16.61 -0.26 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	16.85 0.88 0.00	17.23 0.86 0.00	12.27 0.65 0.00	11.92 0.63 0.00	14.59 0.78 0.00	20.90 1.11 0.00	19.82 1.10 0.00	20.15 1.15 0.00	16.04 0.87 0.00	15.61 0.89 0.00	14.92 0.84 0.00	3.37 0.18 0.00	2.98 0.15 0.00	3.81 0.18 0.00	12.76 0.63 0.00	14.22 0.74 0.00	18.28 0.99 0.00	19.14 0.97 0.00	33.58 1.66 0.00	71.09 3.92 0.00	29.05 1.61 0.00	27.57 1.39 0.00	18.24 0.93 0.00	17.79 0.93 0.00
HARSNRAD_115KV_TB1 81005	14.43 -1.37 0.17	14.87 -1.48 0.02	10.27 -1.09 0.26	10.22 -1.06 0.00	12.32 -1.37 0.12	13.43 -1.73 4.62	14.17 -1.65 2.90	16.23 -1.56 1.21	13.86 -1.28 0.03	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.17 0.00	2.74 -0.09 0.00	3.52 -0.11 0.00	11.45 -0.67 0.00	12.55 -0.93 0.00	16.03 -1.25 0.00	16.69 -1.48 0.00	29.14 -2.78 0.00	62.13 -5.04 0.00	24.13 -2.09 1.22	24.95 -1.23 0.00	16.03 -1.19 0.10	15.43 -1.09 0.35
HARZA MOOSE___RIVER 24016	15.88 -0.08 0.00	16.20 -0.17 0.00	11.46 -0.16 0.00	11.14 -0.14 0.00	13.64 -0.18 0.00	19.54 -0.24 0.00	18.53 -0.20 0.00	18.72 -0.28 0.00	14.85 -0.32 0.00	14.38 -0.34 0.00	13.71 -0.37 0.00	3.08 -0.10 0.00	2.73 -0.09 0.00	3.51 -0.12 0.00	11.72 -0.41 0.00	13.14 -0.34 0.00	16.94 -0.34 0.00	18.15 -0.01 0.00	32.05 0.13 0.00	68.19 1.03 0.00	27.70 0.27 0.00	26.31 0.13 0.00	17.18 -0.13 0.00	16.82 -0.04 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	15.82 -0.14 0.00	16.20 -0.17 0.00	11.50 -0.12 0.00	11.16 -0.12 0.00	13.66 -0.15 0.00	19.61 -0.18 0.00	18.58 -0.15 0.00	18.88 -0.11 0.00	15.04 -0.13 0.00	14.60 -0.12 0.00	13.96 -0.12 0.00	3.16 -0.02 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.98 -0.15 0.00	13.34 -0.14 0.00	17.16 -0.13 0.00	18.05 -0.12 0.00	31.71 -0.22 0.00	67.02 -0.15 0.00	27.38 -0.06 0.00	26.17 -0.01 0.00	17.22 -0.09 0.00	16.77 -0.09 0.00
HELLGATE_13_KV_LD 55870	16.98 1.02 0.00	17.37 1.00 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.35 1.36 0.00	16.27 1.10 0.00	16.14 1.14 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.11 1.19 -0.63	19.35 1.18 0.00	33.79 1.87 0.00	71.95 4.42 -0.36	29.28 1.84 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.92 1.05 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	16.98 1.02 0.00	17.37 1.00 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.99 1.26 0.00	20.35 1.36 0.00	16.27 1.10 0.00	16.14 1.14 -0.28	16.73 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.82 -3.69	17.22 0.93 -2.81	19.11 1.19 -0.63	19.35 1.18 0.00	33.79 1.87 0.00	71.95 4.42 -0.36	29.28 1.84 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.92 1.05 0.00
HEMPSTEAD____ 23647	16.92 0.95 0.00	17.32 0.95 0.00	12.39 0.76 0.00	12.03 0.74 0.00	14.68 0.87 0.00	20.91 1.12 0.00	19.86 1.14 0.00	20.17 1.18 0.00	16.09 0.92 0.00	15.78 1.05 0.00	15.09 1.01 0.00	3.40 0.21 0.00	3.00 0.17 0.00	3.83 0.20 0.00	12.84 0.71 0.00	14.27 0.79 0.00	18.43 1.15 0.00	19.22 1.05 0.00	33.50 1.58 0.00	71.01 3.84 0.00	29.00 1.56 0.00	27.55 1.37 0.00	18.32 1.01 0.00	17.91 1.04 0.00
HEWLETT_69_KV_BK3 55828	17.06 1.09 0.00	17.46 1.09 0.00	12.49 0.87 0.00	12.13 0.84 0.00	14.79 0.98 0.00	21.05 1.27 0.00	19.99 1.26 0.00	20.28 1.29 0.00	16.20 1.03 0.00	15.89 1.17 0.00	15.20 1.12 0.00	3.42 0.24 0.00	3.02 0.19 0.00	3.86 0.23 0.00	12.94 0.81 0.00	14.39 0.91 0.00	18.60 1.30 -0.01	19.38 1.21 0.00	33.77 1.85 0.00	71.57 4.40 0.00	29.24 1.80 0.00	27.81 1.63 0.00	18.50 1.18 0.00	18.06 1.20 0.00
HICKLING___1 23621	15.98 -0.01 -0.03	16.22 -0.15 0.00	11.43 -0.23 -0.04	11.04 -0.24 0.00	13.51 -0.32 -0.02	20.15 -0.35 -0.71	18.80 -0.37 -0.45	18.92 -0.29 -0.21	14.87 -0.31 -0.01	14.52 -0.20 0.00	13.81 -0.27 0.00	3.13 -0.05 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.90 -0.23 0.00	13.18 -0.30 0.00	16.97 -0.31 0.00	17.85 -0.32 0.00	31.40 -0.52 0.00	66.52 -0.65 0.00	27.42 -0.25 -0.22	26.57 0.39 0.00	17.46 0.13 -0.02	16.96 0.03 -0.06
HICKLING___2 23622	15.98 -0.01 -0.03	16.22 -0.15 0.00	11.43 -0.23 -0.04	11.04 -0.24 0.00	13.51 -0.32 -0.02	20.15 -0.35 -0.71	18.80 -0.37 -0.45	18.92 -0.29 -0.21	14.87 -0.31 -0.01	14.52 -0.20 0.00	13.81 -0.27 0.00	3.13 -0.05 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.90 -0.23 0.00	13.18 -0.30 0.00	16.97 -0.31 0.00	17.85 -0.32 0.00	31.40 -0.52 0.00	66.52 -0.65 0.00	27.42 -0.25 -0.22	26.57 0.39 0.00	17.46 0.13 -0.02	16.96 0.03 -0.06
HIGH FALLS___HY 23754	16.88 0.91 0.00	17.26 0.89 0.00	12.29 0.67 0.00	11.94 0.65 0.00	14.62 0.81 0.00	20.95 1.17 0.00	19.92 1.19 0.00	20.27 1.28 0.00	16.10 0.93 0.00	15.60 0.88 0.00	14.84 0.76 0.00	3.35 0.16 0.00	2.96 0.13 0.00	3.79 0.16 0.00	12.69 0.56 0.00	14.12 0.64 0.00	18.16 0.87 0.00	19.07 0.90 0.00	33.62 1.71 0.00	71.32 4.15 0.00	29.18 1.74 0.00	27.70 1.52 0.00	18.28 0.97 0.00	17.81 0.94 0.00
HILLBURN___GT 23639	16.84 0.87 0.00	17.22 0.85 0.00	12.27 0.64 0.00	11.91 0.62 0.00	14.58 0.77 0.00	20.88 1.10 0.00	19.79 1.07 0.00	20.12 1.13 0.00	16.04 0.86 0.00	15.62 0.90 0.00	14.94 0.87 0.00	3.37 0.19 0.00	2.98 0.15 0.00	3.82 0.18 0.00	12.78 0.65 0.00	14.25 0.77 0.00	18.30 1.02 0.00	19.14 0.97 0.00	33.55 1.63 0.00	70.96 3.79 0.00	28.98 1.55 0.00	27.51 1.33 0.00	18.22 0.90 0.00	17.79 0.92 0.00



HILLSIDE_115KV_TB1 80332	15.94 -0.04 -0.02	16.22 -0.15 0.00	11.47 -0.19 -0.04	11.09 -0.20 0.00	13.57 -0.25 -0.02	20.16 -0.29 -0.67	18.80 -0.35 -0.42	18.95 -0.24 -0.20	14.91 -0.27 -0.01	14.56 -0.16 0.00	13.88 -0.19 0.00	3.15 -0.03 0.00	2.81 -0.02 0.00	3.62 -0.01 0.00	11.93 -0.20 0.00	13.23 -0.25 0.00	17.03 -0.26 0.00	17.88 -0.29 0.00	31.43 -0.49 0.00	66.64 -0.53 0.00	27.42 -0.23 -0.21	26.44 0.26 0.00	17.39 0.07 -0.02	16.93 0.00 -0.06
HISHELDN_WT_PWR 323625	14.89 -0.97 0.11	15.21 -1.15 0.01	10.52 -0.92 0.18	10.37 -0.92 0.00	12.54 -1.19 0.08	15.16 -1.56 3.07	15.28 -1.52 1.93	16.77 -1.43 0.80	13.99 -1.16 0.02	13.72 -1.00 0.00	13.05 -1.02 0.00	3.00 -0.18 0.00	2.71 -0.11 0.00	3.50 -0.14 0.00	11.43 -0.70 0.00	12.56 -0.92 0.00	16.11 -1.18 0.00	16.81 -1.37 0.00	29.38 -2.54 0.00	62.88 -4.29 0.00	24.97 -1.66 0.80	25.40 -0.78 0.00	16.42 -0.83 0.06	15.84 -0.80 0.23
HOLTSVILLE_IC_1 23690	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.18 0.00	19.25 1.07 0.00	33.53 1.61 0.00	71.13 3.96 0.00	29.04 1.60 0.00	27.63 1.45 0.00	18.48 1.16 0.00	18.10 1.23 0.00
HOLTSVILLE_IC_10 23699	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.15 1.36 0.00	20.08 1.35 0.00	20.38 1.38 0.00	16.22 1.04 0.00	15.97 1.25 0.00	15.26 1.18 0.00	3.43 0.24 0.00	3.02 0.20 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.65 1.73 0.00	71.41 4.24 0.00	29.16 1.72 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.17 1.30 0.00
HOLTSVILLE_IC_2 23691	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.18 0.00	19.25 1.07 0.00	33.53 1.61 0.00	71.13 3.96 0.00	29.04 1.60 0.00	27.63 1.45 0.00	18.48 1.16 0.00	18.10 1.23 0.00
HOLTSVILLE_IC_3 23692	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.18 0.00	19.25 1.07 0.00	33.53 1.61 0.00	71.13 3.96 0.00	29.04 1.60 0.00	27.63 1.45 0.00	18.48 1.16 0.00	18.10 1.23 0.00
HOLTSVILLE_IC_4 23693	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.18 0.00	19.25 1.07 0.00	33.53 1.61 0.00	71.13 3.96 0.00	29.04 1.60 0.00	27.63 1.45 0.00	18.48 1.16 0.00	18.10 1.23 0.00
HOLTSVILLE_IC_5 23694	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.18 0.00	19.25 1.07 0.00	33.53 1.61 0.00	71.13 3.96 0.00	29.04 1.60 0.00	27.63 1.45 0.00	18.48 1.16 0.00	18.10 1.23 0.00
HOLTSVILLE_IC_6 23695	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.15 1.36 0.00	20.08 1.35 0.00	20.38 1.38 0.00	16.22 1.04 0.00	15.97 1.25 0.00	15.26 1.18 0.00	3.43 0.24 0.00	3.02 0.20 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.65 1.73 0.00	71.41 4.24 0.00	29.16 1.72 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.17 1.30 0.00
HOLTSVILLE_IC_7 23696	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.15 1.36 0.00	20.08 1.35 0.00	20.38 1.38 0.00	16.22 1.04 0.00	15.97 1.25 0.00	15.26 1.18 0.00	3.43 0.24 0.00	3.02 0.20 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.65 1.73 0.00	71.41 4.24 0.00	29.16 1.72 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.17 1.30 0.00
HOLTSVILLE_IC_8 23697	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.15 1.36 0.00	20.08 1.35 0.00	20.38 1.38 0.00	16.22 1.04 0.00	15.97 1.25 0.00	15.26 1.18 0.00	3.43 0.24 0.00	3.02 0.20 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.65 1.73 0.00	71.41 4.24 0.00	29.16 1.72 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.17 1.30 0.00
HOLTSVILLE_IC_9 23698	17.10 1.13 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.15 1.36 0.00	20.08 1.35 0.00	20.38 1.38 0.00	16.22 1.04 0.00	15.97 1.25 0.00	15.26 1.18 0.00	3.43 0.24 0.00	3.02 0.20 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.65 1.73 0.00	71.41 4.24 0.00	29.16 1.72 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.17 1.30 0.00
HOMER_HL_115KV_TB2 355744	15.75 -0.10 0.11	16.15 -0.21 0.01	11.21 -0.24 0.18	11.05 -0.23 0.00	13.35 -0.38 0.08	16.21 -0.47 3.11	16.06 -0.71 1.95	17.70 -0.49 0.81	14.65 -0.50 0.02	14.51 -0.22 0.00	13.96 -0.12 0.00	3.21 0.02 0.00	2.88 0.05 0.00	3.72 0.08 0.00	12.17 0.04 0.00	13.43 -0.05 0.00	17.29 0.00 0.00	17.92 -0.24 0.00	31.13 -0.79 0.00	66.43 -0.74 0.00	26.21 -0.42 0.81	26.38 0.20 0.00	17.25 0.01 0.06	16.70 0.07 0.23
HOWARD_WT_PWR 323690	15.64 -0.32 0.00	15.74 -0.63 0.00	10.94 -0.69 0.00	10.52 -0.76 0.00	12.77 -1.04 0.00	18.45 -1.33 0.00	17.43 -1.29 0.00	17.68 -1.31 0.00	14.14 -1.03 0.00	13.88 -0.85 0.00	12.97 -1.11 0.00	2.93 -0.26 0.00	2.64 -0.19 0.00	3.40 -0.23 0.00	11.27 -0.86 0.00	12.45 -1.03 0.00	15.97 -1.31 0.00	16.80 -1.37 0.00	29.77 -2.15 0.00	62.46 -4.71 0.00	25.92 -1.51 0.00	26.10 -0.08 0.00	17.10 -0.21 0.00	16.36 -0.50 0.00
HQ_GEN_CEDARS 23644	15.73 -0.23 0.00	16.16 -0.21 0.00	11.44 -0.18 0.00	11.12 -0.17 0.00	13.62 -0.19 0.00	19.47 -0.31 0.00	18.38 -0.34 0.00	18.63 -0.37 0.00	14.91 -0.26 0.00	14.45 -0.27 0.00	13.82 -0.26 0.00	3.13 -0.05 0.00	2.79 -0.04 0.00	3.59 -0.04 0.00	12.01 -0.12 0.00	13.33 -0.15 0.00	17.11 -0.18 0.00	18.05 -0.12 0.00	31.77 -0.15 0.00	66.38 -0.79 0.00	27.08 -0.36 0.00	25.87 -0.31 0.00	17.09 -0.22 0.00	16.61 -0.25 0.00



HQ_GEN_CEDARS_PROXY 323590	15.73 -0.23 0.00	16.16 -0.21 0.00	11.44 -0.18 0.00	11.11 -0.17 0.00	13.62 -0.19 0.00	24.01 -0.31 -4.54	18.38 -0.34 0.00	18.62 -0.37 0.00	14.91 -0.26 0.00	14.45 -0.27 0.00	13.82 -0.26 0.00	3.13 -0.05 0.00	2.79 -0.04 0.00	3.59 -0.04 0.00	12.01 -0.12 0.00	13.33 -0.15 0.00	17.11 -0.18 0.00	18.05 -0.12 0.00	31.77 -0.15 0.00	66.38 -0.79 0.00	27.08 -0.36 0.00	25.87 -0.31 0.00	17.09 -0.22 0.00	16.62 -0.25 0.00
HQ_GEN_IMPORT 323601	15.87 -0.09 0.00	16.29 -0.08 0.00	11.55 -0.08 0.00	11.22 -0.07 0.00	13.73 -0.08 0.00	19.65 -0.13 0.00	13.16 -0.17 5.39	18.82 -0.18 0.00	13.69 -0.08 1.40	14.63 -0.09 0.00	14.00 -0.08 0.00	3.17 -0.02 0.00	2.82 -0.01 0.00	3.63 -0.01 0.00	12.11 -0.02 0.00	13.44 -0.04 0.00	17.24 -0.04 0.00	18.15 -0.03 0.00	31.89 -0.03 0.00	66.63 -0.54 0.00	27.21 -0.23 0.00	26.00 -0.18 0.00	17.24 -0.07 0.00	16.77 -0.10 0.00
HQ_GEN_WHEEL 23651	15.87 -0.09 0.00	16.29 -0.08 0.00	11.55 -0.08 0.00	11.22 -0.07 0.00	13.73 -0.08 0.00	19.65 -0.13 0.00	13.16 -0.17 5.39	18.82 -0.18 0.00	13.69 -0.08 1.40	14.63 -0.09 0.00	14.00 -0.08 0.00	3.17 -0.02 0.00	2.82 -0.01 0.00	3.63 -0.01 0.00	12.11 -0.02 0.00	13.44 -0.04 0.00	17.24 -0.04 0.00	18.15 -0.03 0.00	31.89 -0.03 0.00	66.63 -0.54 0.00	27.21 -0.23 0.00	26.00 -0.18 0.00	17.24 -0.07 0.00	16.77 -0.10 0.00
HUDSON_AVE_GT_3 23810	16.99 1.03 0.00	17.37 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	21.03 1.25 0.00	20.00 1.27 0.00	20.36 1.36 0.00	16.26 1.09 0.00	16.15 1.14 -0.28	16.73 1.09 -1.56	7.92 0.23 -4.50	16.13 0.20 -13.11	14.67 0.24 -10.80	16.61 0.82 -3.66	17.21 0.94 -2.79	19.11 1.21 -0.62	19.35 1.18 0.00	33.82 1.90 0.00	72.09 4.56 -0.36	29.30 1.87 0.00	27.70 1.52 0.00	18.38 1.07 0.00	17.94 1.07 0.00
HUDSON_AVE_GT_4 23540	16.99 1.03 0.00	17.37 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	21.03 1.25 0.00	20.00 1.27 0.00	20.36 1.36 0.00	16.26 1.09 0.00	16.15 1.14 -0.28	16.73 1.09 -1.56	7.92 0.23 -4.50	16.13 0.20 -13.11	14.67 0.24 -10.80	16.61 0.82 -3.66	17.21 0.94 -2.79	19.11 1.21 -0.62	19.35 1.18 0.00	33.82 1.90 0.00	72.09 4.56 -0.36	29.30 1.87 0.00	27.70 1.52 0.00	18.38 1.07 0.00	17.94 1.07 0.00
HUDSON_AVE_GT_5 23657	16.99 1.03 0.00	17.37 1.01 0.00	12.38 0.76 0.00	12.02 0.74 0.00	14.74 0.93 0.00	21.03 1.25 0.00	20.00 1.27 0.00	20.36 1.36 0.00	16.26 1.09 0.00	16.15 1.14 -0.28	16.73 1.09 -1.56	7.92 0.23 -4.50	16.13 0.20 -13.11	14.67 0.24 -10.80	16.61 0.82 -3.66	17.21 0.94 -2.79	19.11 1.21 -0.62	19.35 1.18 0.00	33.82 1.90 0.00	72.09 4.56 -0.36	29.30 1.87 0.00	27.70 1.52 0.00	18.38 1.07 0.00	17.94 1.07 0.00
HUDSON_AVE_10 24168	16.94 0.97 0.00	17.32 0.95 0.00	12.34 0.72 0.00	11.98 0.70 0.00	14.70 0.89 0.00	20.96 1.18 0.00	19.92 1.20 0.00	20.28 1.29 0.00	16.22 1.04 0.00	16.10 1.09 -0.28	16.68 1.04 -1.56	7.91 0.23 -4.50	16.12 0.19 -13.11	14.66 0.23 -10.80	16.57 0.78 -3.66	17.16 0.90 -2.79	19.05 1.15 -0.62	19.29 1.12 0.00	33.69 1.77 0.00	71.84 4.31 -0.36	29.21 1.77 0.00	27.59 1.41 0.00	18.34 1.02 0.00	17.89 1.03 0.00
HUDSON___115KV_TB 4 355613	16.41 0.45 0.00	16.84 0.47 0.00	11.98 0.36 0.00	11.64 0.35 0.00	14.26 0.45 0.00	20.43 0.64 0.00	19.44 0.71 0.00	19.64 0.64 0.00	15.57 0.40 0.00	14.98 0.26 0.00	14.29 0.21 0.00	3.23 0.04 0.00	2.86 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.63 0.15 0.00	17.45 0.16 0.00	18.38 0.21 0.00	32.46 0.54 0.00	69.20 2.03 0.00	28.33 0.89 0.00	26.92 0.74 0.00	17.80 0.48 0.00	17.31 0.44 0.00
HUNTER MOUNT___DRP 323613	16.46 0.50 0.00	16.90 0.53 0.00	12.02 0.40 0.00	11.68 0.40 0.00	14.31 0.50 0.00	20.52 0.74 0.00	19.54 0.81 0.00	19.72 0.72 0.00	15.60 0.43 0.00	14.96 0.24 0.00	14.26 0.19 0.00	3.22 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.21 0.08 0.00	13.59 0.11 0.00	17.41 0.12 0.00	18.38 0.21 0.00	32.53 0.61 0.00	69.50 2.33 0.00	28.46 1.02 0.00	27.05 0.87 0.00	17.85 0.54 0.00	17.36 0.49 0.00
HUNTINGTON_RES_REC 323705	16.98 1.02 0.00	17.41 1.04 0.00	12.49 0.87 0.00	12.13 0.84 0.00	14.77 0.96 0.00	20.96 1.18 0.00	19.88 1.15 0.00	20.17 1.18 0.00	16.06 0.89 0.00	15.83 1.11 0.00	15.16 1.09 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.84 0.20 0.00	12.85 0.72 0.00	14.25 0.77 0.00	18.48 1.19 0.00	19.25 1.08 0.00	33.51 1.59 0.00	71.03 3.86 0.00	28.99 1.55 0.00	27.62 1.44 0.00	18.44 1.13 0.00	18.06 1.20 0.00
HUNTLEY___63 23557	14.56 -1.25 0.16	14.99 -1.37 0.02	10.37 -1.00 0.25	10.31 -0.98 0.00	12.43 -1.27 0.12	13.78 -1.60 4.40	14.43 -1.53 2.77	16.42 -1.42 1.15	13.98 -1.16 0.03	13.71 -1.01 0.00	13.12 -0.96 0.00	3.05 -0.14 0.00	2.76 -0.06 0.00	3.57 -0.07 0.00	11.59 -0.54 0.00	12.65 -0.83 0.00	16.17 -1.12 0.00	16.82 -1.35 0.00	29.38 -2.54 0.00	62.66 -4.51 0.00	24.40 -1.88 1.16	25.17 -1.02 0.00	16.16 -1.06 0.09	15.57 -0.96 0.33
HUNTLEY___64 23558	14.56 -1.25 0.16	14.99 -1.37 0.02	10.37 -1.00 0.25	10.31 -0.98 0.00	12.43 -1.27 0.12	13.78 -1.60 4.40	14.43 -1.53 2.77	16.42 -1.42 1.15	13.98 -1.16 0.03	13.71 -1.01 0.00	13.12 -0.96 0.00	3.05 -0.14 0.00	2.76 -0.06 0.00	3.57 -0.07 0.00	11.59 -0.54 0.00	12.65 -0.83 0.00	16.17 -1.12 0.00	16.82 -1.35 0.00	29.38 -2.54 0.00	62.66 -4.51 0.00	24.40 -1.88 1.16	25.17 -1.02 0.00	16.16 -1.06 0.09	15.57 -0.96 0.33
HUNTLEY___65 23559	14.56 -1.25 0.16	14.99 -1.37 0.02	10.37 -1.00 0.25	10.31 -0.98 0.00	12.43 -1.27 0.12	13.78 -1.60 4.40	14.43 -1.53 2.77	16.42 -1.42 1.15	13.98 -1.16 0.03	13.71 -1.01 0.00	13.12 -0.96 0.00	3.05 -0.14 0.00	2.76 -0.06 0.00	3.57 -0.07 0.00	11.59 -0.54 0.00	12.65 -0.83 0.00	16.17 -1.12 0.00	16.82 -1.35 0.00	29.38 -2.54 0.00	62.66 -4.51 0.00	24.40 -1.88 1.16	25.17 -1.02 0.00	16.16 -1.06 0.09	15.57 -0.96 0.33
HUNTLEY___66 23560	14.56 -1.25 0.16	14.99 -1.37 0.02	10.37 -1.00 0.25	10.31 -0.98 0.00	12.43 -1.27 0.12	13.78 -1.60 4.40	14.43 -1.53 2.77	16.42 -1.42 1.15	13.98 -1.16 0.03	13.71 -1.01 0.00	13.12 -0.96 0.00	3.05 -0.14 0.00	2.76 -0.06 0.00	3.57 -0.07 0.00	11.59 -0.54 0.00	12.65 -0.83 0.00	16.17 -1.12 0.00	16.82 -1.35 0.00	29.38 -2.54 0.00	62.66 -4.51 0.00	24.40 -1.88 1.16	25.17 -1.02 0.00	16.16 -1.06 0.09	15.57 -0.96 0.33
HUNTLEY___67 23561	14.55 -1.26 0.15	14.99 -1.36 0.01	10.36 -1.02 0.24	10.29 -1.00 0.00	12.42 -1.28 0.11	13.92 -1.62 4.25	14.48 -1.58 2.67	16.41 -1.47 1.11	13.94 -1.21 0.03	13.67 -1.05 0.00	13.09 -0.99 0.00	3.03 -0.15 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.52 -0.61 0.00	12.62 -0.86 0.00	16.14 -1.15 0.00	16.78 -1.39 0.00	29.30 -2.61 0.00	62.52 -4.64 0.00	24.39 -1.93 1.12	25.09 -1.10 0.00	16.16 -1.07 0.09	15.57 -0.98 0.32



HUNTLEY___68 23562	14.55 -1.26 0.15	14.99 -1.36 0.01	10.36 -1.02 0.24	10.29 -1.00 0.00	12.42 -1.28 0.11	13.92 -1.62 4.25	14.48 -1.58 2.67	16.41 -1.47 1.11	13.94 -1.21 0.03	13.67 -1.05 0.00	13.09 -0.99 0.00	3.03 -0.15 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.52 -0.61 0.00	12.62 -0.86 0.00	16.14 -1.15 0.00	16.78 -1.39 0.00	29.30 -2.61 0.00	62.52 -4.64 0.00	24.39 -1.93 1.12	25.09 -1.10 0.00	16.16 -1.07 0.09	15.57 -0.98 0.32
HYLAND___LFGE 323620	15.78 -0.10 0.08	16.08 -0.28 0.01	11.17 -0.31 0.14	10.95 -0.33 0.00	13.30 -0.45 0.06	17.02 -0.37 2.39	16.98 -0.25 1.50	18.08 -0.30 0.61	14.50 -0.66 0.02	14.05 -0.67 0.00	13.37 -0.71 0.00	3.05 -0.13 0.00	2.74 -0.09 0.00	3.55 -0.08 0.00	11.75 -0.38 0.00	12.89 -0.59 0.00	16.64 -0.65 0.00	17.52 -0.65 0.00	31.22 -0.70 0.00	66.83 -0.34 0.00	26.81 -0.01 0.61	26.94 0.76 0.00	17.42 0.16 0.05	16.74 0.05 0.17
INDECK___CORINTH 23802	16.33 0.37 0.00	16.71 0.34 0.00	11.90 0.28 0.00	11.56 0.28 0.00	14.20 0.39 0.00	20.49 0.71 0.00	19.48 0.76 0.00	19.70 0.71 0.00	15.60 0.42 0.00	15.01 0.29 0.00	14.28 0.20 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.64 0.01 0.00	12.19 0.06 0.00	13.61 0.13 0.00	17.59 0.30 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.74 2.57 0.00	28.51 1.07 0.00	27.04 0.86 0.00	17.69 0.38 0.00	17.17 0.31 0.00
INDECK___ILION 23567	16.10 0.13 0.00	16.50 0.13 0.00	11.73 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.99 0.21 0.00	18.97 0.25 0.00	19.22 0.22 0.00	15.28 0.11 0.00	14.78 0.06 0.00	14.12 0.04 0.00	3.18 -0.01 0.00	2.81 -0.02 0.00	3.61 -0.03 0.00	12.04 -0.10 0.00	13.39 -0.08 0.00	17.18 -0.10 0.00	18.12 -0.05 0.00	31.97 0.06 0.00	67.71 0.54 0.00	27.67 0.23 0.00	26.32 0.14 0.00	17.32 0.01 0.00	16.87 0.00 0.00
INDECK___OLEAN 23982	15.76 -0.09 0.11	16.15 -0.21 0.01	11.21 -0.24 0.18	11.05 -0.23 0.00	13.34 -0.39 0.08	16.19 -0.49 3.11	16.08 -0.69 1.95	17.70 -0.48 0.81	14.65 -0.50 0.02	14.51 -0.21 0.00	13.95 -0.12 0.00	3.21 0.02 0.00	2.88 0.05 0.00	3.72 0.08 0.00	12.17 0.04 0.00	13.44 -0.04 0.00	17.29 0.00 0.00	17.93 -0.24 0.00	31.13 -0.79 0.00	66.43 -0.74 0.00	26.21 -0.41 0.81	26.38 0.20 0.00	17.26 0.01 0.06	16.70 0.07 0.23
INDECK___OSWEGO 23783	15.57 -0.40 0.00	15.94 -0.43 0.00	11.31 -0.31 0.00	10.99 -0.30 0.00	13.45 -0.36 0.00	19.29 -0.49 0.00	18.28 -0.45 0.00	18.53 -0.46 0.00	14.74 -0.43 0.00	14.30 -0.42 0.00	13.66 -0.41 0.00	3.09 -0.09 0.00	2.74 -0.08 0.00	3.53 -0.11 0.00	11.74 -0.39 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.71 -0.46 0.00	31.12 -0.80 0.00	65.79 -1.38 0.00	26.87 -0.57 0.00	25.64 -0.54 0.00	16.89 -0.42 0.00	16.46 -0.40 0.00
INDECK___YERKES 23781	14.58 -1.23 0.16	15.01 -1.35 0.02	10.38 -0.99 0.25	10.32 -0.97 0.00	12.43 -1.27 0.12	13.79 -1.59 4.40	14.47 -1.49 2.77	16.46 -1.39 1.15	14.00 -1.14 0.03	13.73 -0.99 0.00	13.14 -0.94 0.00	3.05 -0.13 0.00	2.77 -0.06 0.00	3.57 -0.06 0.00	11.61 -0.52 0.00	12.67 -0.81 0.00	16.19 -1.09 0.00	16.85 -1.32 0.00	29.42 -2.50 0.00	62.74 -4.43 0.00	24.44 -1.84 1.16	25.20 -0.98 0.00	16.19 -1.03 0.09	15.59 -0.94 0.33
INDIAN POINT___GT_1 24139	16.86 0.90 0.00	17.25 0.88 0.00	12.30 0.67 0.00	11.94 0.65 0.00	14.62 0.81 0.00	20.89 1.11 0.00	19.85 1.13 0.00	20.18 1.18 0.00	16.10 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.19 0.00	12.81 0.68 0.00	14.26 0.78 0.00	18.31 1.02 0.00	19.16 0.99 0.00	33.55 1.63 0.00	71.09 3.93 0.00	29.05 1.61 0.00	27.52 1.34 0.00	18.23 0.92 0.00	17.79 0.93 0.00
INDIAN POINT___GT_2 23659	16.86 0.90 0.00	17.25 0.88 0.00	12.30 0.67 0.00	11.94 0.65 0.00	14.62 0.81 0.00	20.89 1.11 0.00	19.85 1.13 0.00	20.18 1.18 0.00	16.10 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.19 0.00	12.81 0.68 0.00	14.26 0.78 0.00	18.31 1.02 0.00	19.16 0.99 0.00	33.55 1.63 0.00	71.09 3.93 0.00	29.05 1.61 0.00	27.52 1.34 0.00	18.23 0.92 0.00	17.79 0.93 0.00
INDIAN POINT___GT_3 24019	16.86 0.90 0.00	17.25 0.88 0.00	12.30 0.67 0.00	11.94 0.65 0.00	14.62 0.81 0.00	20.89 1.11 0.00	19.85 1.13 0.00	20.18 1.18 0.00	16.10 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.19 0.00	12.81 0.68 0.00	14.26 0.78 0.00	18.31 1.02 0.00	19.16 0.99 0.00	33.55 1.63 0.00	71.09 3.93 0.00	29.05 1.61 0.00	27.52 1.34 0.00	18.23 0.92 0.00	17.79 0.93 0.00
INDIAN POINT___2 23530	16.88 0.91 0.00	17.26 0.89 0.00	12.31 0.68 0.00	11.95 0.66 0.00	14.64 0.83 0.00	20.91 1.13 0.00	19.86 1.14 0.00	20.19 1.20 0.00	16.11 0.94 0.00	15.71 0.98 0.00	15.02 0.94 0.00	3.39 0.20 0.00	2.99 0.17 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.33 1.05 0.00	19.18 1.01 0.00	33.57 1.66 0.00	71.16 3.99 0.00	29.08 1.64 0.00	27.54 1.36 0.00	18.25 0.94 0.00	17.81 0.95 0.00
INDIAN POINT___3 23531	16.82 0.85 0.00	17.20 0.83 0.00	12.26 0.64 0.00	11.90 0.62 0.00	14.58 0.76 0.00	20.84 1.06 0.00	19.78 1.05 0.00	20.11 1.12 0.00	16.04 0.87 0.00	15.62 0.90 0.00	14.94 0.86 0.00	3.37 0.19 0.00	2.98 0.15 0.00	3.81 0.18 0.00	12.76 0.63 0.00	14.21 0.73 0.00	18.25 0.97 0.00	19.10 0.93 0.00	33.45 1.54 0.00	70.85 3.68 0.00	28.95 1.51 0.00	27.44 1.26 0.00	18.18 0.86 0.00	17.75 0.88 0.00
INGHAM_C_115KV_TB7 356103	16.17 0.20 0.00	16.56 0.19 0.00	11.77 0.15 0.00	11.42 0.13 0.00	13.98 0.17 0.00	20.11 0.32 0.00	19.12 0.39 0.00	19.34 0.34 0.00	15.30 0.12 0.00	14.74 0.02 0.00	14.06 -0.02 0.00	3.14 -0.04 0.00	2.77 -0.06 0.00	3.54 -0.09 0.00	11.84 -0.29 0.00	13.19 -0.29 0.00	16.90 -0.38 0.00	17.90 -0.27 0.00	31.80 -0.12 0.00	67.75 0.59 0.00	27.71 0.28 0.00	26.29 0.11 0.00	17.20 -0.11 0.00	16.72 -0.15 0.00
IP CORINTH___1 23988	16.33 0.37 0.00	16.71 0.34 0.00	11.90 0.28 0.00	11.57 0.28 0.00	14.20 0.39 0.00	20.49 0.70 0.00	19.48 0.76 0.00	19.70 0.71 0.00	15.60 0.43 0.00	15.01 0.29 0.00	14.28 0.20 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.64 0.01 0.00	12.19 0.06 0.00	13.61 0.13 0.00	17.59 0.30 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.74 2.57 0.00	28.51 1.07 0.00	27.04 0.86 0.00	17.69 0.38 0.00	17.17 0.31 0.00
IP___TICONDEROGA 23804	16.71 0.74 0.00	16.95 0.58 0.00	12.15 0.53 0.00	11.80 0.52 0.00	14.57 0.75 0.00	21.24 1.46 0.00	20.24 1.52 0.00	20.41 1.41 0.00	16.04 0.86 0.00	15.28 0.55 0.00	14.43 0.35 0.00	3.23 0.04 0.00	2.85 0.02 0.00	3.66 0.03 0.00	12.27 0.14 0.00	13.78 0.30 0.00	18.03 0.75 0.00	19.21 1.04 0.00	33.99 2.07 0.00	72.64 5.47 0.00	29.68 2.24 0.00	28.02 1.84 0.00	18.04 0.72 0.00	17.39 0.52 0.00



ISLIP_RES_REC 323679	17.13 1.17 0.00	17.56 1.19 0.00	12.60 0.98 0.00	12.24 0.95 0.00	14.92 1.11 0.00	21.21 1.43 0.00	20.14 1.41 0.00	20.44 1.45 0.00	16.26 1.09 0.00	16.02 1.29 0.00	15.29 1.22 0.00	3.43 0.25 0.00	3.03 0.20 0.00	3.86 0.22 0.00	12.89 0.76 0.00	14.30 0.81 0.00	18.55 1.27 0.00	19.36 1.19 0.00	33.77 1.85 0.00	71.66 4.49 0.00	29.26 1.82 0.00	27.85 1.66 0.00	18.61 1.30 0.00	18.22 1.36 0.00
JAMAICA__27_KV_LOAD 355505	17.00 1.04 0.00	17.37 1.01 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.75 0.94 0.00	21.02 1.23 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.25 1.08 0.00	16.14 1.14 -0.28	16.71 1.07 -1.56	7.92 0.23 -4.50	16.13 0.19 -13.11	14.67 0.24 -10.80	16.61 0.82 -3.66	17.21 0.94 -2.79	19.10 1.20 -0.62	19.36 1.19 0.00	33.73 1.81 0.00	72.05 4.52 -0.36	29.28 1.84 0.00	27.66 1.48 0.00	18.45 1.13 0.00	17.99 1.12 0.00
JANIS__SOLAR 323808	16.61 0.65 0.00	16.95 0.59 0.00	11.99 0.37 0.00	11.59 0.30 0.00	14.17 0.36 0.00	20.36 0.58 0.00	19.36 0.63 0.00	19.69 0.61 -0.08	15.45 0.27 0.00	14.84 0.12 0.00	14.12 0.04 0.00	3.18 -0.01 0.00	2.83 0.00 0.00	3.61 -0.02 0.00	11.97 -0.16 0.00	13.42 -0.06 0.00	17.34 0.06 0.00	18.48 0.31 0.00	32.80 0.88 0.00	69.90 2.73 0.00	28.69 1.13 -0.12	27.34 1.17 0.00	17.85 0.53 -0.01	17.60 0.70 -0.03
JARVIS____ 23743	16.01 0.04 0.00	16.42 0.05 0.00	11.66 0.04 0.00	11.32 0.03 0.00	13.85 0.04 0.00	19.85 0.06 0.00	18.80 0.08 0.00	19.07 0.07 0.00	15.21 0.04 0.00	14.76 0.04 0.00	14.11 0.03 0.00	3.19 0.00 0.00	2.83 0.00 0.00	3.63 0.00 0.00	12.13 0.00 0.00	13.49 0.01 0.00	17.30 0.01 0.00	18.19 0.02 0.00	31.96 0.04 0.00	67.44 0.27 0.00	27.55 0.11 0.00	26.26 0.07 0.00	17.34 0.03 0.00	16.91 0.04 0.00
JENNISON___1 23625	16.77 0.81 0.00	17.10 0.73 0.00	12.08 0.46 0.00	11.57 0.28 0.00	14.12 0.31 0.00	20.23 0.45 0.00	19.28 0.55 0.00	19.52 0.53 0.00	15.48 0.31 0.00	15.14 0.42 0.00	14.46 0.38 0.00	3.21 0.03 0.00	2.86 0.03 0.00	3.65 0.02 0.00	12.20 0.08 0.00	13.53 0.05 0.00	17.36 0.08 0.00	18.37 0.21 0.00	32.55 0.63 0.00	69.22 2.05 0.00	28.22 0.78 0.00	26.94 0.76 0.00	17.65 0.34 0.00	17.66 0.79 0.00
JENNISON___2 23626	16.77 0.81 0.00	17.10 0.73 0.00	12.08 0.46 0.00	11.57 0.28 0.00	14.12 0.31 0.00	20.23 0.45 0.00	19.28 0.55 0.00	19.52 0.53 0.00	15.48 0.31 0.00	15.14 0.42 0.00	14.46 0.38 0.00	3.21 0.03 0.00	2.86 0.03 0.00	3.65 0.02 0.00	12.20 0.08 0.00	13.53 0.05 0.00	17.36 0.08 0.00	18.37 0.21 0.00	32.55 0.63 0.00	69.22 2.05 0.00	28.22 0.78 0.00	26.94 0.76 0.00	17.65 0.34 0.00	17.66 0.79 0.00
JERICHO_RISE_WT_PWR 323719	15.39 -0.57 0.00	15.77 -0.60 0.00	11.14 -0.49 0.00	10.84 -0.45 0.00	13.37 -0.44 0.00	19.25 -0.54 0.00	18.04 -0.68 0.00	18.25 -0.74 0.00	14.57 -0.60 0.00	14.00 -0.72 0.00	13.41 -0.67 0.00	3.03 -0.15 0.00	2.69 -0.14 0.00	3.49 -0.14 0.00	11.76 -0.37 0.00	13.00 -0.48 0.00	16.75 -0.54 0.00	18.00 -0.17 0.00	32.49 0.58 0.00	68.09 0.92 0.00	27.64 0.21 0.00	25.91 -0.27 0.00	16.74 -0.58 0.00	16.30 -0.56 0.00
KATONAH__115KV_46KV_TB4 355592	16.91 0.95 0.00	17.30 0.92 0.00	12.33 0.71 0.00	11.97 0.68 0.00	14.67 0.85 0.00	20.99 1.20 0.00	19.94 1.22 0.00	20.28 1.28 0.00	16.17 1.00 0.00	15.73 1.01 0.00	15.04 0.96 0.00	3.39 0.20 0.00	3.00 0.17 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.29 0.81 0.00	18.35 1.07 0.00	19.22 1.05 0.00	33.67 1.76 0.00	71.39 4.22 0.00	29.17 1.74 0.00	27.64 1.46 0.00	18.29 0.98 0.00	17.84 0.98 0.00
KCE_NY_1 323755	16.48 0.51 0.00	16.91 0.54 0.00	12.02 0.40 0.00	11.68 0.39 0.00	14.31 0.50 0.00	20.60 0.82 0.00	19.55 0.83 0.00	19.77 0.78 0.00	15.69 0.52 0.00	15.14 0.42 0.00	14.44 0.36 0.00	3.25 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.36 0.23 0.00	13.78 0.29 0.00	17.74 0.46 0.00	18.70 0.53 0.00	32.98 1.06 0.00	69.91 2.74 0.00	28.58 1.14 0.00	27.18 0.99 0.00	17.85 0.53 0.00	17.38 0.51 0.00
KCE_NY_6_ESR 323823	14.88 -0.94 0.14	15.29 -1.07 0.01	10.57 -0.82 0.23	10.47 -0.82 0.00	12.63 -1.07 0.11	14.49 -1.33 3.97	14.93 -1.30 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.91 -0.82 0.00	13.31 -0.77 0.00	3.07 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.83 -0.65 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.79 -2.13 0.00	63.68 -3.49 0.00	24.95 -1.44 1.05	25.55 -0.63 0.00	16.47 -0.76 0.08	15.88 -0.68 0.30
KEDC_PORT_JEFF_GT2 24210	17.08 1.12 0.00	17.51 1.14 0.00	12.56 0.94 0.00	12.20 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.06 1.33 0.00	20.35 1.35 0.00	16.15 0.98 0.00	15.92 1.20 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.23 0.00	19.30 1.14 0.00	33.65 1.73 0.00	71.23 4.06 0.00	29.09 1.65 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.16 1.30 0.00
KEDC_PORT_JEFF_GT3 24211	17.08 1.12 0.00	17.51 1.14 0.00	12.56 0.94 0.00	12.20 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.06 1.33 0.00	20.35 1.35 0.00	16.15 0.98 0.00	15.92 1.20 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.23 0.00	19.30 1.14 0.00	33.65 1.73 0.00	71.23 4.06 0.00	29.09 1.65 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.16 1.30 0.00
KEDC_GLWD_GT4 24219	16.97 1.01 0.00	17.37 1.00 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.73 0.91 0.00	21.00 1.21 0.00	19.94 1.22 0.00	20.27 1.27 0.00	16.17 1.00 0.00	15.83 1.11 0.00	15.14 1.06 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.85 0.22 0.00	12.90 0.77 0.00	14.35 0.87 0.00	18.49 1.21 0.00	19.31 1.14 0.00	33.70 1.78 0.00	71.42 4.25 0.00	29.18 1.74 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.95 1.09 0.00
KEDC_GLWD_GT5 24220	16.97 1.01 0.00	17.37 1.00 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.73 0.91 0.00	21.00 1.21 0.00	19.94 1.22 0.00	20.27 1.27 0.00	16.17 1.00 0.00	15.83 1.11 0.00	15.14 1.06 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.85 0.22 0.00	12.90 0.77 0.00	14.35 0.87 0.00	18.49 1.21 0.00	19.31 1.14 0.00	33.70 1.78 0.00	71.42 4.25 0.00	29.18 1.74 0.00	27.68 1.50 0.00	18.38 1.07 0.00	17.95 1.09 0.00
KENSICO____ 23655	16.88 0.91 0.00	17.26 0.89 0.00	12.30 0.68 0.00	11.95 0.66 0.00	14.64 0.82 0.00	20.91 1.13 0.00	19.86 1.14 0.00	20.20 1.20 0.00	16.12 0.94 0.00	15.71 0.98 0.00	15.02 0.94 0.00	3.39 0.20 0.00	2.99 0.16 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.33 1.04 0.00	19.18 1.01 0.00	33.57 1.65 0.00	71.15 3.99 0.00	29.07 1.64 0.00	27.54 1.36 0.00	18.25 0.94 0.00	17.81 0.94 0.00



KERHONKS_69_KV_TR1_REV_LBMP_G 345021	16.83 0.87 0.00	17.21 0.84 0.00	12.25 0.64 0.00	11.90 0.62 0.00	14.58 0.77 0.00	20.90 1.12 0.00	19.88 1.15 0.00	20.22 1.22 0.00	16.04 0.87 0.00	15.52 0.79 0.00	14.75 0.67 0.00	3.33 0.14 0.00	2.94 0.11 0.00	3.77 0.14 0.00	12.62 0.49 0.00	14.04 0.56 0.00	18.06 0.78 0.00	18.97 0.80 0.00	33.49 1.57 0.00	71.06 3.89 0.00	29.08 1.65 0.00	27.62 1.44 0.00	18.23 0.92 0.00	17.74 0.88 0.00
KIAC_JFK_GT1 23816	16.91 0.95 0.00	17.29 0.92 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.68 0.87 0.00	20.88 1.10 0.00	19.78 1.05 0.00	20.12 1.13 0.00	16.11 0.94 0.00	16.06 1.06 -0.28	16.64 1.00 -1.56	7.90 0.22 -4.50	16.12 0.18 -13.11	14.65 0.22 -10.80	16.54 0.76 -3.66	17.14 0.87 -2.79	19.02 1.11 -0.62	19.24 1.07 0.00	33.42 1.51 0.00	71.40 3.88 -0.36	29.01 1.57 0.00	27.40 1.22 0.00	18.34 1.02 0.00	17.89 1.02 0.00
KIAC_JFK_GT2 23817	16.91 0.95 0.00	17.29 0.92 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.68 0.87 0.00	20.88 1.10 0.00	19.78 1.05 0.00	20.12 1.13 0.00	16.11 0.94 0.00	16.06 1.06 -0.28	16.64 1.00 -1.56	7.90 0.22 -4.50	16.12 0.18 -13.11	14.65 0.22 -10.80	16.54 0.76 -3.66	17.14 0.87 -2.79	19.02 1.11 -0.62	19.24 1.07 0.00	33.42 1.51 0.00	71.40 3.88 -0.36	29.01 1.57 0.00	27.40 1.22 0.00	18.34 1.02 0.00	17.89 1.02 0.00
KIAC_JFK____ 323774	16.91 0.95 0.00	17.28 0.91 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.68 0.87 0.00	20.89 1.11 0.00	19.77 1.05 0.00	20.12 1.13 0.00	16.11 0.94 0.00	16.06 1.06 -0.28	16.64 1.00 -1.57	7.90 0.22 -4.50	16.12 0.18 -13.11	14.65 0.22 -10.80	16.55 0.76 -3.66	17.13 0.87 -2.79	19.02 1.11 -0.62	19.24 1.07 0.00	33.42 1.51 0.00	71.42 3.89 -0.36	29.00 1.57 0.00	27.40 1.22 0.00	18.34 1.02 0.00	17.89 1.02 0.00
KINTIGH____ 23543	14.52 -1.26 0.19	15.01 -1.34 0.02	10.34 -0.99 0.30	10.32 -0.96 0.00	12.45 -1.22 0.14	13.07 -1.53 5.18	14.02 -1.45 3.26	16.25 -1.38 1.36	14.00 -1.13 0.04	13.70 -1.02 0.00	13.13 -0.95 0.00	3.04 -0.15 0.00	2.74 -0.08 0.00	3.53 -0.10 0.00	11.55 -0.58 0.00	12.66 -0.82 0.00	16.18 -1.10 0.00	16.86 -1.31 0.00	29.49 -2.43 0.00	62.68 -4.49 0.00	24.19 -1.87 1.37	25.06 -1.12 0.00	16.12 -1.08 0.11	15.48 -0.99 0.39
KNTFSRNC_46_KV_46KV_LOAD 80397	15.44 -0.53 0.00	15.73 -0.63 0.00	11.14 -0.48 0.00	10.85 -0.44 0.00	13.45 -0.36 0.00	19.48 -0.30 0.00	18.23 -0.50 0.00	18.46 -0.53 0.00	14.66 -0.52 0.00	13.97 -0.75 0.00	13.36 -0.71 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.48 -0.15 0.00	11.75 -0.38 0.00	13.02 -0.46 0.00	16.79 -0.49 0.00	18.25 0.08 0.00	33.32 1.40 0.00	70.12 2.95 0.00	28.41 0.97 0.00	26.50 0.32 0.00	16.85 -0.46 0.00	16.35 -0.52 0.00
LACHUTE____HYDRO 323717	16.71 0.74 0.00	16.95 0.58 0.00	12.15 0.53 0.00	11.80 0.52 0.00	14.57 0.75 0.00	21.25 1.46 0.00	20.24 1.52 0.00	20.41 1.41 0.00	16.04 0.86 0.00	15.28 0.55 0.00	14.43 0.35 0.00	3.23 0.04 0.00	2.85 0.02 0.00	3.66 0.03 0.00	12.27 0.14 0.00	13.78 0.30 0.00	18.03 0.75 0.00	19.21 1.04 0.00	33.99 2.07 0.00	72.64 5.47 0.00	29.68 2.24 0.00	28.02 1.84 0.00	18.04 0.72 0.00	17.38 0.52 0.00
LAWRNCAY_115KV_TB1 80681	15.39 -0.58 0.00	15.79 -0.58 0.00	11.17 -0.45 0.00	10.86 -0.43 0.00	13.31 -0.50 0.00	19.04 -0.74 0.00	17.98 -0.74 0.00	18.20 -0.80 0.00	14.54 -0.63 0.00	14.06 -0.66 0.00	13.44 -0.64 0.00	3.04 -0.14 0.00	2.71 -0.12 0.00	3.49 -0.15 0.00	11.67 -0.46 0.00	12.98 -0.50 0.00	16.69 -0.60 0.00	17.70 -0.47 0.00	31.23 -0.69 0.00	65.35 -1.82 0.00	26.62 -0.82 0.00	25.37 -0.81 0.00	16.70 -0.61 0.00	16.25 -0.62 0.00
LEDERLE____ 23769	16.89 0.92 0.00	17.26 0.90 0.00	12.30 0.68 0.00	11.94 0.66 0.00	14.62 0.80 0.00	20.92 1.14 0.00	19.84 1.12 0.00	20.18 1.19 0.00	16.08 0.91 0.00	15.67 0.94 0.00	14.98 0.91 0.00	3.38 0.19 0.00	2.99 0.16 0.00	3.83 0.19 0.00	12.81 0.68 0.00	14.29 0.81 0.00	18.35 1.07 0.00	19.19 1.02 0.00	33.65 1.73 0.00	71.18 4.01 0.00	29.07 1.64 0.00	27.58 1.40 0.00	18.26 0.95 0.00	17.83 0.96 0.00
LIGHTHSE_115KV_TB6 355974	15.56 -0.41 0.00	15.89 -0.48 0.00	11.26 -0.36 0.00	10.95 -0.34 0.00	13.40 -0.41 0.00	19.23 -0.56 0.00	18.20 -0.53 0.00	18.42 -0.58 0.00	14.61 -0.57 0.00	14.16 -0.56 0.00	13.53 -0.55 0.00	3.05 -0.13 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.58 -0.55 0.00	12.97 -0.51 0.00	16.63 -0.66 0.00	17.73 -0.44 0.00	31.21 -0.70 0.00	66.31 -0.86 0.00	27.04 -0.40 0.00	25.76 -0.42 0.00	16.88 -0.43 0.00	16.49 -0.37 0.00
LINDEN COGEN____ 23786	16.90 0.94 0.00	17.28 0.91 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.67 0.86 0.00	20.94 1.15 0.00	19.89 1.16 0.00	20.24 1.25 0.00	16.16 0.98 0.00	16.04 1.04 -0.28	16.63 0.99 -1.57	7.90 0.21 -4.50	16.11 0.18 -13.11	14.65 0.21 -10.80	16.53 0.74 -3.66	17.12 0.86 -2.79	19.01 1.10 -0.62	19.23 1.06 0.00	33.62 1.70 0.00	71.66 4.13 -0.36	29.12 1.68 0.00	27.51 1.33 0.00	18.27 0.96 0.00	17.83 0.97 0.00
LINDHRST_69_KV_BK1 356055	17.11 1.14 0.00	17.52 1.16 0.00	12.55 0.93 0.00	12.18 0.90 0.00	14.86 1.05 0.00	21.13 1.35 0.00	20.08 1.35 0.00	20.38 1.39 0.00	16.25 1.07 0.00	15.95 1.23 0.00	15.24 1.16 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.86 0.23 0.00	12.92 0.79 0.00	14.35 0.87 0.00	18.59 1.31 0.00	19.39 1.22 0.00	33.79 1.87 0.00	71.67 4.51 0.00	29.27 1.83 0.00	27.84 1.66 0.00	18.55 1.23 0.00	18.13 1.27 0.00
LIPA_MISC_IPP 23656	17.05 1.09 0.00	17.48 1.11 0.00	12.55 0.93 0.00	12.18 0.89 0.00	14.85 1.04 0.00	21.09 1.30 0.00	20.02 1.30 0.00	20.32 1.33 0.00	16.19 1.01 0.00	15.97 1.24 0.00	15.23 1.15 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.84 0.71 0.00	14.22 0.74 0.00	18.45 1.16 0.00	19.24 1.07 0.00	33.57 1.65 0.00	71.28 4.11 0.00	29.12 1.68 0.00	27.68 1.50 0.00	18.54 1.23 0.00	18.17 1.30 0.00
LISF____SOLAR 323691	17.08 1.12 0.00	17.51 1.14 0.00	12.57 0.95 0.00	12.20 0.92 0.00	14.88 1.07 0.00	21.14 1.35 0.00	20.06 1.34 0.00	20.37 1.37 0.00	16.21 1.04 0.00	15.99 1.26 0.00	15.24 1.16 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.22 0.74 0.00	18.46 1.17 0.00	19.26 1.09 0.00	33.62 1.70 0.00	71.45 4.29 0.00	29.18 1.74 0.00	27.74 1.55 0.00	18.57 1.26 0.00	18.20 1.33 0.00
LITTLE FALLS____HYD 24013	16.17 0.20 0.00	16.56 0.19 0.00	11.77 0.15 0.00	11.42 0.13 0.00	13.98 0.17 0.00	20.11 0.32 0.00	19.12 0.39 0.00	19.34 0.34 0.00	15.30 0.12 0.00	14.74 0.02 0.00	14.06 -0.02 0.00	3.14 -0.04 0.00	2.77 -0.06 0.00	3.54 -0.09 0.00	11.84 -0.29 0.00	13.19 -0.29 0.00	16.90 -0.38 0.00	17.90 -0.27 0.00	31.80 -0.12 0.00	67.75 0.59 0.00	27.71 0.28 0.00	26.29 0.11 0.00	17.20 -0.11 0.00	16.72 -0.15 0.00



LITTLRIV_115KV_TB1 356100	15.57 -0.40 0.00	15.98 -0.39 0.00	11.30 -0.32 0.00	10.98 -0.30 0.00	13.47 -0.34 0.00	19.28 -0.50 0.00	18.23 -0.50 0.00	18.42 -0.58 0.00	14.66 -0.51 0.00	14.16 -0.56 0.00	13.51 -0.57 0.00	3.06 -0.13 0.00	2.72 -0.10 0.00	3.51 -0.12 0.00	11.75 -0.38 0.00	13.11 -0.37 0.00	16.90 -0.38 0.00	17.93 -0.24 0.00	31.65 -0.27 0.00	66.22 -0.95 0.00	26.98 -0.46 0.00	25.71 -0.47 0.00	16.92 -0.39 0.00	16.44 -0.43 0.00
LI_NEWBRDGE___DRP 323616	16.88 0.92 0.00	17.28 0.92 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.66 0.85 0.00	20.84 1.06 0.00	19.80 1.08 0.00	20.10 1.11 0.00	16.04 0.87 0.00	15.75 1.02 0.00	15.06 0.99 0.00	3.39 0.21 0.00	2.99 0.17 0.00	3.82 0.19 0.00	12.81 0.68 0.00	14.23 0.75 0.00	18.39 1.11 0.00	19.16 0.99 0.00	33.38 1.46 0.00	70.74 3.57 0.00	28.89 1.45 0.00	27.45 1.27 0.00	18.29 0.98 0.00	17.89 1.02 0.00
LOCKPORT_115KV_TB60_63_64 80432	14.43 -1.37 0.17	14.87 -1.49 0.02	10.26 -1.09 0.27	10.23 -1.06 0.00	12.31 -1.38 0.12	13.38 -1.73 4.67	14.14 -1.65 2.94	16.23 -1.54 1.22	13.86 -1.28 0.04	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.16 0.00	2.74 -0.09 0.00	3.52 -0.11 0.00	11.46 -0.67 0.00	12.55 -0.93 0.00	16.04 -1.25 0.00	16.70 -1.47 0.00	29.15 -2.77 0.00	62.14 -5.03 0.00	24.13 -2.08 1.23	24.95 -1.23 0.00	16.02 -1.20 0.10	15.43 -1.09 0.35
LOCKPORT___CC1 323769	14.43 -1.37 0.17	14.87 -1.48 0.02	10.27 -1.09 0.26	10.22 -1.06 0.00	12.30 -1.38 0.12	13.42 -1.75 4.62	14.19 -1.63 2.90	16.24 -1.55 1.21	13.87 -1.27 0.03	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.17 0.00	2.73 -0.09 0.00	3.52 -0.11 0.00	11.46 -0.67 0.00	12.55 -0.93 0.00	16.03 -1.25 0.00	16.69 -1.48 0.00	29.14 -2.78 0.00	62.10 -5.06 0.00	24.14 -2.08 1.22	24.95 -1.23 0.00	16.03 -1.19 0.10	15.44 -1.08 0.35
LOCKPORT___CC2 323770	14.43 -1.37 0.17	14.87 -1.48 0.02	10.27 -1.09 0.26	10.22 -1.06 0.00	12.30 -1.38 0.12	13.42 -1.75 4.62	14.19 -1.63 2.90	16.24 -1.55 1.21	13.87 -1.27 0.03	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.17 0.00	2.73 -0.09 0.00	3.52 -0.11 0.00	11.46 -0.67 0.00	12.55 -0.93 0.00	16.03 -1.25 0.00	16.69 -1.48 0.00	29.14 -2.78 0.00	62.10 -5.06 0.00	24.14 -2.08 1.22	24.95 -1.23 0.00	16.03 -1.19 0.10	15.44 -1.08 0.35
LOCKPORT___CC3 323771	14.43 -1.37 0.17	14.87 -1.48 0.02	10.27 -1.09 0.26	10.22 -1.06 0.00	12.30 -1.38 0.12	13.42 -1.75 4.62	14.19 -1.63 2.90	16.24 -1.55 1.21	13.87 -1.27 0.03	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.17 0.00	2.73 -0.09 0.00	3.52 -0.11 0.00	11.46 -0.67 0.00	12.55 -0.93 0.00	16.03 -1.25 0.00	16.69 -1.48 0.00	29.14 -2.78 0.00	62.10 -5.06 0.00	24.14 -2.08 1.22	24.95 -1.23 0.00	16.03 -1.19 0.10	15.44 -1.08 0.35
LONG_LAKE_PHOENIX 24014	15.63 -0.33 0.00	16.02 -0.35 0.00	11.36 -0.25 0.00	11.04 -0.25 0.00	13.52 -0.30 0.00	19.40 -0.38 0.00	18.38 -0.34 0.00	18.66 -0.34 0.00	14.84 -0.33 0.00	14.39 -0.33 0.00	13.75 -0.33 0.00	3.11 -0.07 0.00	2.76 -0.07 0.00	3.55 -0.08 0.00	11.81 -0.32 0.00	13.16 -0.32 0.00	16.92 -0.37 0.00	17.82 -0.35 0.00	31.31 -0.61 0.00	66.17 -1.00 0.00	27.02 -0.42 0.00	25.81 -0.37 0.00	16.99 -0.32 0.00	16.55 -0.32 0.00
LOVETT___3 23632	16.81 0.85 0.00	17.19 0.82 0.00	12.25 0.63 0.00	11.89 0.60 0.00	14.56 0.74 0.00	20.83 1.04 0.00	19.76 1.03 0.00	20.08 1.09 0.00	16.01 0.83 0.00	15.59 0.87 0.00	14.91 0.83 0.00	3.36 0.18 0.00	2.97 0.15 0.00	3.81 0.17 0.00	12.75 0.62 0.00	14.21 0.73 0.00	18.25 0.96 0.00	19.08 0.91 0.00	33.45 1.53 0.00	70.76 3.59 0.00	28.91 1.47 0.00	27.42 1.24 0.00	18.17 0.86 0.00	17.74 0.88 0.00
LOVETT___4 23642	16.81 0.85 0.00	17.19 0.82 0.00	12.25 0.63 0.00	11.89 0.60 0.00	14.56 0.74 0.00	20.83 1.04 0.00	19.76 1.03 0.00	20.08 1.09 0.00	16.01 0.83 0.00	15.59 0.87 0.00	14.91 0.83 0.00	3.36 0.18 0.00	2.97 0.15 0.00	3.81 0.17 0.00	12.75 0.62 0.00	14.21 0.73 0.00	18.25 0.96 0.00	19.08 0.91 0.00	33.45 1.53 0.00	70.76 3.59 0.00	28.91 1.47 0.00	27.42 1.24 0.00	18.17 0.86 0.00	17.74 0.88 0.00
LOVETT___5 23593	16.81 0.85 0.00	17.19 0.82 0.00	12.25 0.63 0.00	11.89 0.60 0.00	14.56 0.74 0.00	20.83 1.04 0.00	19.76 1.03 0.00	20.08 1.09 0.00	16.01 0.83 0.00	15.59 0.87 0.00	14.91 0.83 0.00	3.36 0.18 0.00	2.97 0.15 0.00	3.81 0.17 0.00	12.75 0.62 0.00	14.21 0.73 0.00	18.25 0.96 0.00	19.08 0.91 0.00	33.45 1.53 0.00	70.76 3.59 0.00	28.91 1.47 0.00	27.42 1.24 0.00	18.17 0.86 0.00	17.74 0.88 0.00
LOWER RAQUET___HYD 24057	15.27 -0.69 0.00	15.67 -0.70 0.00	11.08 -0.54 0.00	10.77 -0.51 0.00	13.22 -0.60 0.00	18.91 -0.87 0.00	17.85 -0.87 0.00	18.06 -0.93 0.00	14.42 -0.75 0.00	13.93 -0.79 0.00	13.31 -0.76 0.00	3.01 -0.17 0.00	2.68 -0.15 0.00	3.45 -0.18 0.00	11.56 -0.57 0.00	12.87 -0.61 0.00	16.55 -0.74 0.00	17.58 -0.59 0.00	31.06 -0.86 0.00	65.02 -2.15 0.00	26.48 -0.96 0.00	25.21 -0.97 0.00	16.58 -0.73 0.00	16.13 -0.74 0.00
LOWER___HUDSON 24059	16.36 0.39 0.00	16.81 0.45 0.00	11.96 0.33 0.00	11.61 0.33 0.00	14.21 0.40 0.00	20.40 0.62 0.00	19.34 0.62 0.00	19.60 0.60 0.00	15.59 0.41 0.00	15.06 0.34 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.04 0.00	12.30 0.17 0.00	13.71 0.23 0.00	17.59 0.30 0.00	18.51 0.34 0.00	32.53 0.61 0.00	68.92 1.75 0.00	28.20 0.76 0.00	26.81 0.63 0.00	17.69 0.38 0.00	17.25 0.39 0.00
LOWVILLE_115KV_TB2 356335	15.60 -0.36 0.00	15.87 -0.50 0.00	11.20 -0.42 0.00	10.89 -0.39 0.00	13.34 -0.47 0.00	19.09 -0.69 0.00	18.09 -0.64 0.00	18.24 -0.75 0.00	14.46 -0.71 0.00	13.99 -0.73 0.00	13.34 -0.74 0.00	2.99 -0.20 0.00	2.65 -0.17 0.00	3.41 -0.22 0.00	11.39 -0.74 0.00	12.80 -0.68 0.00	16.51 -0.78 0.00	17.89 -0.28 0.00	31.59 -0.33 0.00	67.53 0.37 0.00	27.34 -0.10 0.00	25.93 -0.25 0.00	16.85 -0.47 0.00	16.55 -0.31 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	16.48 0.52 0.00	16.91 0.54 0.00	12.03 0.41 0.00	11.69 0.40 0.00	14.32 0.50 0.00	20.59 0.81 0.00	19.55 0.82 0.00	19.77 0.78 0.00	15.69 0.52 0.00	15.14 0.42 0.00	14.44 0.37 0.00	3.25 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.35 0.22 0.00	13.77 0.29 0.00	17.73 0.45 0.00	18.69 0.52 0.00	32.96 1.04 0.00	69.84 2.67 0.00	28.56 1.12 0.00	27.14 0.96 0.00	17.85 0.53 0.00	17.37 0.51 0.00
LUTHERNY_35_KV_BK2 355980	16.48 0.51 0.00	16.91 0.54 0.00	12.02 0.40 0.00	11.68 0.39 0.00	14.31 0.49 0.00	20.60 0.82 0.00	19.55 0.83 0.00	19.77 0.77 0.00	15.69 0.52 0.00	15.14 0.42 0.00	14.44 0.36 0.00	3.25 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.37 0.24 0.00	13.78 0.30 0.00	17.74 0.45 0.00	18.70 0.53 0.00	32.98 1.06 0.00	69.91 2.74 0.00	28.58 1.14 0.00	27.17 1.00 0.00	17.85 0.53 0.00	17.38 0.52 0.00



LWR___OSWEGATCHIE_HYD 23850	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00
LYONS_FALL_HYD 23570	15.88 -0.08 0.00	16.20 -0.17 0.00	11.46 -0.16 0.00	11.14 -0.14 0.00	13.64 -0.18 0.00	19.54 -0.24 0.00	18.53 -0.20 0.00	18.72 -0.28 0.00	14.85 -0.32 0.00	14.38 -0.34 0.00	13.71 -0.37 0.00	3.08 -0.10 0.00	2.73 -0.09 0.00	3.51 -0.12 0.00	11.72 -0.41 0.00	13.14 -0.34 0.00	16.94 -0.34 0.00	18.15 -0.01 0.00	32.05 0.13 0.00	68.19 1.03 0.00	27.70 0.26 0.00	26.32 0.13 0.00	17.18 -0.13 0.00	16.82 -0.04 0.00
MADISON___COUNTY_LFGE 323628	16.38 0.41 0.00	16.75 0.38 0.00	11.87 0.24 0.00	11.52 0.23 0.00	14.11 0.30 0.00	20.27 0.49 0.00	19.24 0.51 0.00	19.46 0.47 0.00	15.42 0.25 0.00	14.92 0.19 0.00	14.21 0.13 0.00	3.21 0.02 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.17 0.04 0.00	13.61 0.13 0.00	17.58 0.30 0.00	18.62 0.45 0.00	32.86 0.94 0.00	69.63 2.47 0.00	28.43 0.99 0.00	27.07 0.89 0.00	17.76 0.44 0.00	17.32 0.46 0.00
MALONE___115KV_TB1 356076	15.52 -0.45 0.00	15.90 -0.47 0.00	11.23 -0.39 0.00	10.93 -0.36 0.00	13.47 -0.34 0.00	19.38 -0.40 0.00	18.22 -0.51 0.00	18.43 -0.56 0.00	14.70 -0.47 0.00	14.12 -0.60 0.00	13.50 -0.58 0.00	3.05 -0.13 0.00	2.71 -0.12 0.00	3.51 -0.12 0.00	11.80 -0.32 0.00	13.07 -0.41 0.00	16.84 -0.44 0.00	18.06 -0.11 0.00	32.48 0.57 0.00	68.08 0.91 0.00	27.66 0.22 0.00	26.03 -0.16 0.00	16.86 -0.46 0.00	16.40 -0.47 0.00
MAPLEWOD_115KV_TB3 80458	16.34 0.38 0.00	16.77 0.40 0.00	11.93 0.31 0.00	11.59 0.30 0.00	14.19 0.37 0.00	20.32 0.54 0.00	19.30 0.57 0.00	19.55 0.55 0.00	15.58 0.40 0.00	15.08 0.35 0.00	14.42 0.34 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.70 0.06 0.00	12.36 0.23 0.00	13.76 0.28 0.00	17.62 0.33 0.00	18.52 0.35 0.00	32.55 0.63 0.00	68.92 1.75 0.00	28.18 0.74 0.00	26.79 0.60 0.00	17.70 0.39 0.00	17.25 0.38 0.00
MAPLE_RIDGE_WT_1 323574	15.55 -0.41 0.00	15.95 -0.42 0.00	11.31 -0.31 0.00	10.97 -0.31 0.00	13.41 -0.40 0.00	19.18 -0.61 0.00	18.12 -0.61 0.00	18.42 -0.58 0.00	14.79 -0.39 0.00	14.37 -0.35 0.00	13.72 -0.36 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.09 0.00	11.84 -0.29 0.00	13.14 -0.34 0.00	16.92 -0.37 0.00	17.89 -0.28 0.00	31.53 -0.39 0.00	66.41 -0.76 0.00	27.10 -0.34 0.00	25.81 -0.37 0.00	16.94 -0.37 0.00	16.62 -0.25 0.00
MAPLE_RIDGE_WT_2 323611	15.55 -0.41 0.00	15.95 -0.42 0.00	11.31 -0.31 0.00	10.97 -0.31 0.00	13.41 -0.40 0.00	19.18 -0.61 0.00	18.12 -0.61 0.00	18.42 -0.58 0.00	14.79 -0.39 0.00	14.37 -0.35 0.00	13.72 -0.36 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.09 0.00	11.84 -0.29 0.00	13.14 -0.34 0.00	16.92 -0.37 0.00	17.89 -0.28 0.00	31.53 -0.39 0.00	66.41 -0.76 0.00	27.10 -0.34 0.00	25.81 -0.37 0.00	16.94 -0.37 0.00	16.62 -0.25 0.00
MARBLE_RIVER_WT_PWR 323696	15.08 -0.89 0.00	15.32 -1.05 0.00	10.86 -0.76 0.00	10.60 -0.69 0.00	13.22 -0.59 0.00	19.19 -0.59 0.00	17.89 -0.83 0.00	18.13 -0.87 0.00	14.36 -0.81 0.00	13.63 -1.09 0.00	13.06 -1.01 0.00	2.95 -0.24 0.00	2.61 -0.22 0.00	3.41 -0.22 0.00	11.54 -0.59 0.00	12.78 -0.70 0.00	16.48 -0.81 0.00	18.06 -0.11 0.00	33.27 1.35 0.00	70.16 2.99 0.00	28.33 0.89 0.00	26.29 0.10 0.00	16.54 -0.77 0.00	16.06 -0.80 0.00
MARSHVLE_115KV_TB1 80742	16.89 0.92 0.00	17.26 0.89 0.00	12.24 0.62 0.00	11.88 0.60 0.00	14.55 0.74 0.00	20.86 1.08 0.00	19.84 1.11 0.00	20.12 1.13 0.00	15.93 0.76 0.00	15.46 0.74 0.00	14.75 0.67 0.00	3.34 0.16 0.00	2.97 0.15 0.00	3.84 0.20 0.00	12.80 0.67 0.00	14.20 0.72 0.00	18.15 0.87 0.00	18.97 0.80 0.00	33.77 1.85 0.00	71.20 4.03 0.00	29.13 1.69 0.00	27.95 1.77 0.00	18.26 0.95 0.00	17.81 0.95 0.00
MARSH_HILL_WT_PWR 323713	15.63 -0.34 0.00	15.72 -0.64 0.00	10.92 -0.70 0.00	10.50 -0.79 0.00	12.75 -1.06 0.00	18.41 -1.37 0.00	17.40 -1.33 0.00	17.65 -1.34 0.00	14.13 -1.05 0.00	13.86 -0.87 0.00	12.97 -1.11 0.00	2.93 -0.26 0.00	2.64 -0.19 0.00	3.40 -0.23 0.00	11.27 -0.86 0.00	12.45 -1.03 0.00	15.97 -1.31 0.00	16.80 -1.37 0.00	29.75 -2.17 0.00	62.47 -4.70 0.00	25.91 -1.53 0.00	26.06 -0.12 0.00	17.07 -0.24 0.00	16.34 -0.52 0.00
MCINTYRE_115KV_TB2 80467	15.81 -0.15 0.00	16.23 -0.14 0.00	11.48 -0.14 0.00	11.16 -0.12 0.00	13.69 -0.13 0.00	19.58 -0.20 0.00	18.52 -0.21 0.00	18.69 -0.30 0.00	14.85 -0.32 0.00	14.36 -0.37 0.00	13.70 -0.38 0.00	3.10 -0.08 0.00	2.77 -0.06 0.00	3.56 -0.07 0.00	11.92 -0.21 0.00	13.31 -0.17 0.00	17.18 -0.11 0.00	18.18 0.01 0.00	32.07 0.15 0.00	67.02 -0.15 0.00	27.33 -0.11 0.00	26.08 -0.10 0.00	17.19 -0.12 0.00	16.69 -0.18 0.00
MECO____69_KV_BK1 80468	17.79 1.82 0.00	18.18 1.81 0.00	12.87 1.25 0.00	12.50 1.22 0.00	15.34 1.53 0.00	22.10 2.32 0.00	21.13 2.41 0.00	21.33 2.34 0.00	16.61 1.43 0.00	15.92 1.20 0.00	15.03 0.95 0.00	3.37 0.19 0.00	3.00 0.17 0.00	3.87 0.24 0.00	12.91 0.79 0.00	14.31 0.83 0.00	18.53 1.25 0.00	19.63 1.47 0.00	35.76 3.84 0.00	76.03 8.86 0.00	31.09 3.64 0.00	29.71 3.54 0.00	19.29 1.98 0.00	18.73 1.87 0.00
MENANDS__115KV_TB5 355628	16.31 0.34 0.00	16.74 0.37 0.00	11.91 0.29 0.00	11.57 0.28 0.00	14.16 0.35 0.00	20.26 0.48 0.00	19.25 0.52 0.00	19.49 0.50 0.00	15.54 0.37 0.00	15.05 0.32 0.00	14.40 0.32 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.35 0.22 0.00	13.75 0.27 0.00	17.59 0.30 0.00	18.47 0.30 0.00	32.43 0.51 0.00	68.69 1.52 0.00	28.09 0.65 0.00	26.69 0.51 0.00	17.65 0.34 0.00	17.20 0.34 0.00
MG INDUSTRY___DRP 24185	16.27 0.30 0.00	16.70 0.33 0.00	11.88 0.26 0.00	11.54 0.25 0.00	14.13 0.31 0.00	20.21 0.43 0.00	19.17 0.45 0.00	19.36 0.36 0.00	15.38 0.21 0.00	14.88 0.16 0.00	14.22 0.15 0.00	3.21 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.59 0.11 0.00	17.41 0.12 0.00	18.29 0.12 0.00	32.28 0.36 0.00	68.46 1.29 0.00	27.99 0.55 0.00	26.62 0.43 0.00	17.62 0.31 0.00	17.17 0.31 0.00
MID___OSWEGATCHIE_HYD 23849	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00



MID___RAQUETTE_HYD 23851	15.28 -0.69 0.00	15.67 -0.70 0.00	11.08 -0.54 0.00	10.77 -0.51 0.00	13.22 -0.60 0.00	18.91 -0.88 0.00	17.85 -0.87 0.00	18.06 -0.93 0.00	14.42 -0.75 0.00	13.93 -0.79 0.00	13.31 -0.76 0.00	3.01 -0.17 0.00	2.68 -0.15 0.00	3.45 -0.18 0.00	11.56 -0.57 0.00	12.87 -0.61 0.00	16.55 -0.74 0.00	17.58 -0.59 0.00	31.06 -0.86 0.00	65.02 -2.15 0.00	26.48 -0.96 0.00	25.21 -0.97 0.00	16.58 -0.73 0.00	16.13 -0.74 0.00
MILLIKEN___1 23584	16.20 0.22 -0.02	16.54 0.17 0.00	11.76 0.11 -0.03	11.38 0.10 0.00	13.94 0.11 -0.01	20.49 0.22 -0.48	19.27 0.24 -0.30	19.48 0.33 -0.15	15.35 0.17 -0.01	14.85 0.13 0.00	14.17 0.09 0.00	3.20 0.02 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.07 -0.06 0.00	13.50 0.02 0.00	17.41 0.12 0.00	18.42 0.25 0.00	32.40 0.48 0.00	68.73 1.56 0.00	28.28 0.67 -0.17	26.94 0.76 0.00	17.65 0.32 -0.01	17.25 0.34 -0.05
MILLIKEN___2 23585	16.20 0.22 -0.02	16.54 0.17 0.00	11.76 0.11 -0.03	11.38 0.10 0.00	13.94 0.11 -0.01	20.49 0.22 -0.48	19.27 0.24 -0.30	19.48 0.33 -0.15	15.35 0.17 -0.01	14.85 0.13 0.00	14.17 0.09 0.00	3.20 0.02 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.07 -0.06 0.00	13.50 0.02 0.00	17.41 0.12 0.00	18.42 0.25 0.00	32.40 0.48 0.00	68.73 1.56 0.00	28.28 0.67 -0.17	26.94 0.76 0.00	17.65 0.32 -0.01	17.25 0.34 -0.05
MILLIKEN___DIESEL 23629	16.20 0.22 -0.02	16.54 0.17 0.00	11.76 0.11 -0.03	11.38 0.10 0.00	13.94 0.11 -0.01	20.49 0.22 -0.48	19.27 0.24 -0.30	19.48 0.33 -0.15	15.35 0.17 -0.01	14.85 0.13 0.00	14.17 0.09 0.00	3.20 0.02 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.07 -0.06 0.00	13.50 0.02 0.00	17.41 0.12 0.00	18.42 0.25 0.00	32.40 0.48 0.00	68.73 1.56 0.00	28.28 0.67 -0.17	26.94 0.76 0.00	17.65 0.32 -0.01	17.25 0.34 -0.05
MILLSEAT___LFGE 323607	14.77 -1.02 0.18	15.22 -1.13 0.02	10.50 -0.84 0.28	10.46 -0.82 0.00	12.62 -1.07 0.13	13.64 -1.26 4.89	14.52 -1.13 3.07	16.67 -1.05 1.28	14.21 -0.93 0.04	13.89 -0.83 0.00	13.31 -0.77 0.00	3.07 -0.11 0.00	2.77 -0.05 0.00	3.57 -0.06 0.00	11.73 -0.40 0.00	12.82 -0.66 0.00	16.44 -0.85 0.00	17.16 -1.01 0.00	30.00 -1.92 0.00	63.94 -3.23 0.00	24.80 -1.35 1.29	25.58 -0.60 0.00	16.40 -0.81 0.10	15.76 -0.74 0.37
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	16.85 0.88 0.00	17.23 0.87 0.00	12.29 0.66 0.00	11.93 0.64 0.00	14.61 0.80 0.00	20.88 1.10 0.00	19.83 1.11 0.00	20.17 1.17 0.00	16.09 0.92 0.00	15.67 0.95 0.00	14.98 0.91 0.00	3.38 0.19 0.00	2.99 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.25 0.77 0.00	18.29 1.01 0.00	19.14 0.98 0.00	33.52 1.60 0.00	71.03 3.86 0.00	29.03 1.59 0.00	27.50 1.32 0.00	18.22 0.91 0.00	17.78 0.91 0.00
MILLWOOD_13_KV_LOAD 356217	16.88 0.92 0.00	17.27 0.90 0.00	12.31 0.69 0.00	11.95 0.67 0.00	14.64 0.83 0.00	20.92 1.14 0.00	19.88 1.16 0.00	20.21 1.22 0.00	16.12 0.95 0.00	15.71 0.98 0.00	15.02 0.94 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.33 1.05 0.00	19.19 1.02 0.00	33.61 1.69 0.00	71.22 4.05 0.00	29.11 1.67 0.00	27.57 1.39 0.00	18.26 0.95 0.00	17.82 0.95 0.00
MODEL_CITY_ENERGY 24167	14.26 -1.54 0.16	14.69 -1.66 0.02	10.15 -1.21 0.26	10.11 -1.18 0.00	12.16 -1.53 0.12	13.25 -1.98 4.56	14.01 -1.84 2.87	16.05 -1.75 1.19	13.70 -1.43 0.03	13.42 -1.30 0.00	12.85 -1.22 0.00	2.99 -0.20 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.33 -0.80 0.00	12.41 -1.07 0.00	15.84 -1.45 0.00	16.48 -1.69 0.00	28.77 -3.15 0.00	61.29 -5.88 0.00	23.81 -2.42 1.20	24.63 -1.55 0.00	15.82 -1.40 0.09	15.25 -1.28 0.34
MODERN_LFGE___ 323580	14.26 -1.54 0.16	14.69 -1.66 0.02	10.15 -1.21 0.26	10.11 -1.18 0.00	12.16 -1.53 0.12	13.25 -1.98 4.56	14.01 -1.84 2.87	16.05 -1.75 1.19	13.70 -1.43 0.03	13.42 -1.30 0.00	12.85 -1.22 0.00	2.99 -0.20 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.33 -0.80 0.00	12.41 -1.07 0.00	15.84 -1.45 0.00	16.48 -1.69 0.00	28.77 -3.15 0.00	61.29 -5.88 0.00	23.81 -2.42 1.20	24.63 -1.55 0.00	15.82 -1.40 0.09	15.25 -1.28 0.34
MOHAWK_PAPER___DRP 24187	16.34 0.38 0.00	16.77 0.40 0.00	11.93 0.31 0.00	11.59 0.30 0.00	14.19 0.37 0.00	20.32 0.54 0.00	19.30 0.57 0.00	19.55 0.55 0.00	15.58 0.40 0.00	15.08 0.35 0.00	14.42 0.34 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.70 0.06 0.00	12.36 0.23 0.00	13.76 0.28 0.00	17.62 0.33 0.00	18.52 0.35 0.00	32.55 0.63 0.00	68.92 1.75 0.00	28.18 0.74 0.00	26.79 0.60 0.00	17.70 0.39 0.00	17.25 0.38 0.00
MOHICAN__35_KV_115KV_LD 80490	16.42 0.46 0.00	16.80 0.43 0.00	11.97 0.35 0.00	11.63 0.34 0.00	14.28 0.47 0.00	20.62 0.84 0.00	19.60 0.88 0.00	19.83 0.83 0.00	15.68 0.51 0.00	15.07 0.35 0.00	14.34 0.26 0.00	3.22 0.04 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.23 0.10 0.00	13.65 0.18 0.00	17.66 0.38 0.00	18.69 0.52 0.00	33.01 1.10 0.00	70.16 2.99 0.00	28.69 1.25 0.00	27.21 1.03 0.00	17.78 0.47 0.00	17.26 0.39 0.00
MONGAUP___HYD 23641	16.76 0.79 0.00	17.34 0.97 0.00	12.29 0.67 0.00	11.90 0.62 0.00	14.56 0.74 0.00	20.78 1.00 0.00	19.60 0.88 0.00	19.94 0.94 0.00	15.88 0.71 0.00	15.33 0.61 0.00	14.59 0.51 0.00	3.29 0.10 0.00	2.91 0.08 0.00	3.73 0.10 0.00	12.48 0.35 0.00	13.89 0.41 0.00	17.85 0.56 0.00	18.76 0.59 0.00	33.00 1.08 0.00	70.26 3.09 0.00	28.70 1.26 0.00	27.57 1.39 0.00	18.19 0.88 0.00	17.74 0.87 0.00
MONTAUK___DIESEL 23721	17.33 1.36 0.00	17.85 1.49 0.00	12.81 1.19 0.00	12.44 1.15 0.00	15.18 1.36 0.00	21.59 1.81 0.00	20.53 1.80 0.00	20.83 1.84 0.00	16.56 1.39 0.00	16.36 1.64 0.00	15.58 1.50 0.00	3.49 0.31 0.00	3.08 0.25 0.00	3.92 0.28 0.00	13.10 0.97 0.00	14.51 1.03 0.00	18.87 1.59 0.00	19.72 1.54 0.00	34.52 2.60 0.00	73.33 6.16 0.00	29.96 2.53 0.00	28.45 2.27 0.00	19.03 1.72 0.00	18.60 1.73 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	15.17 -0.67 0.13	15.39 -0.97 0.01	10.61 -0.80 0.21	10.44 -0.85 0.00	12.58 -1.14 0.10	14.77 -1.42 3.59	14.98 -1.48 2.26	16.88 -1.18 0.94	14.13 -1.02 0.03	13.92 -0.79 0.00	13.28 -0.80 0.00	3.04 -0.14 0.00	2.74 -0.08 0.00	3.54 -0.09 0.00	11.58 -0.55 0.00	12.76 -0.71 0.00	16.40 -0.88 0.00	17.04 -1.13 0.00	29.85 -2.07 0.00	65.13 -2.04 0.00	25.50 -0.99 0.94	25.95 -0.23 0.00	17.00 -0.24 0.07	16.41 -0.19 0.27
MORTIMER_115KV_TB3 55949	14.88 -0.87 0.21	15.41 -0.94 0.02	10.59 -0.70 0.33	10.60 -0.68 0.00	12.81 -0.86 0.15	13.02 -1.00 5.77	14.19 -0.91 3.63	16.63 -0.85 1.51	14.39 -0.74 0.04	14.05 -0.67 0.00	13.46 -0.62 0.00	3.09 -0.09 0.00	2.78 -0.04 0.00	3.59 -0.04 0.00	11.82 -0.31 0.00	12.97 -0.51 0.00	16.64 -0.64 0.00	17.39 -0.78 0.00	30.46 -1.46 0.00	64.68 -2.49 0.00	24.86 -1.05 1.53	25.69 -0.49 0.00	16.54 -0.65 0.12	15.82 -0.61 0.44



MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	16.94 0.97 0.00	17.32 0.95 0.00	12.34 0.72 0.00	11.99 0.70 0.00	14.69 0.88 0.00	20.97 1.19 0.00	19.93 1.21 0.00	20.28 1.29 0.00	16.20 1.03 0.00	15.78 1.07 0.01	15.06 1.02 0.04	3.29 0.22 0.12	2.67 0.18 0.34	3.57 0.22 0.28	12.80 0.76 0.10	14.28 0.87 0.07	18.40 1.13 0.02	19.27 1.10 0.00	33.70 1.78 0.00	71.43 4.27 0.01	29.19 1.75 0.00	27.62 1.44 0.00	18.32 1.01 0.00	17.88 1.01 0.00
MUNSVILLE_WIND_PWR 323609	17.14 1.18 0.00	17.46 1.09 0.00	12.31 0.69 0.00	11.84 0.55 0.00	14.44 0.63 0.00	20.76 0.97 0.00	19.77 1.04 0.00	19.98 0.98 0.00	15.74 0.57 0.00	15.18 0.46 0.00	14.46 0.38 0.00	3.24 0.05 0.00	2.88 0.05 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.67 0.19 0.00	17.65 0.36 0.00	18.83 0.66 0.00	33.51 1.59 0.00	71.50 4.34 0.00	29.14 1.70 0.00	27.82 1.64 0.00	18.04 0.73 0.00	18.05 1.19 0.00
N SALMON___HYD 24042	15.52 -0.45 0.00	15.90 -0.47 0.00	11.23 -0.39 0.00	10.93 -0.36 0.00	13.47 -0.34 0.00	19.38 -0.40 0.00	18.21 -0.51 0.00	18.43 -0.56 0.00	14.70 -0.47 0.00	14.11 -0.61 0.00	13.50 -0.58 0.00	3.05 -0.13 0.00	2.71 -0.12 0.00	3.51 -0.12 0.00	11.80 -0.32 0.00	13.06 -0.42 0.00	16.84 -0.44 0.00	18.06 -0.10 0.00	32.48 0.57 0.00	68.08 0.91 0.00	27.66 0.22 0.00	26.02 -0.16 0.00	16.86 -0.46 0.00	16.39 -0.47 0.00
N.AKRON___115KV_KNAPP 355671	14.69 -1.10 0.17	15.13 -1.22 0.02	10.44 -0.90 0.27	10.41 -0.88 0.00	12.55 -1.14 0.13	13.62 -1.36 4.80	14.43 -1.28 3.02	16.57 -1.17 1.26	14.14 -1.00 0.04	13.83 -0.89 0.00	13.25 -0.82 0.00	3.06 -0.12 0.00	2.77 -0.06 0.00	3.57 -0.06 0.00	11.67 -0.46 0.00	12.76 -0.72 0.00	16.35 -0.93 0.00	17.05 -1.12 0.00	29.80 -2.11 0.00	63.55 -3.62 0.00	24.65 -1.52 1.27	25.44 -0.74 0.00	16.32 -0.89 0.10	15.69 -0.82 0.36
N.BELMOR_69_KV_BK1 55787	16.99 1.03 0.00	17.39 1.03 0.00	12.45 0.83 0.00	12.09 0.80 0.00	14.75 0.93 0.00	20.98 1.20 0.00	19.94 1.21 0.00	20.24 1.24 0.00	16.15 0.97 0.00	15.83 1.11 0.00	15.14 1.06 0.00	3.41 0.22 0.00	3.01 0.18 0.00	3.84 0.21 0.00	12.87 0.74 0.00	14.30 0.82 0.00	18.50 1.21 0.00	19.29 1.12 0.00	33.61 1.69 0.00	71.28 4.11 0.00	29.11 1.67 0.00	27.67 1.49 0.00	18.41 1.10 0.00	18.00 1.13 0.00
N.E_GEN_SANDY PD 24062	16.83 0.63 -0.23	19.11 0.64 -2.10	17.17 0.50 -5.05	17.02 0.49 -5.24	16.91 0.60 -2.50	20.94 0.89 -0.27	22.03 0.91 -2.40	21.60 0.93 -1.68	14.47 0.70 1.40	15.39 0.67 0.00	14.73 0.63 -0.02	3.30 0.12 0.00	2.92 0.09 0.00	-5.45 0.10 9.19	10.11 0.37 2.38	13.94 0.46 0.00	17.88 0.59 0.00	18.76 0.59 0.00	32.88 0.96 0.00	69.81 2.65 0.00	28.60 1.16 0.00	27.11 0.93 0.00	17.90 0.59 0.00	17.16 0.61 0.32
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	16.84 0.87 0.00	17.22 0.85 0.00	12.27 0.64 0.00	11.91 0.62 0.00	14.58 0.77 0.00	20.86 1.08 0.00	19.79 1.06 0.00	20.12 1.12 0.00	16.03 0.86 0.00	15.62 0.90 0.00	14.93 0.86 0.00	3.37 0.19 0.00	2.98 0.15 0.00	3.81 0.18 0.00	12.77 0.64 0.00	14.24 0.76 0.00	18.28 1.00 0.00	19.12 0.95 0.00	33.52 1.60 0.00	70.92 3.75 0.00	28.97 1.53 0.00	27.48 1.30 0.00	18.20 0.89 0.00	17.77 0.91 0.00
N.QUEENS_27_KV_LOAD 356247	17.03 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.01 1.23 0.00	20.04 1.31 0.00	20.41 1.41 0.00	16.34 1.16 0.00	16.17 1.16 -0.28	16.76 1.11 -1.58	7.97 0.24 -4.54	16.27 0.20 -13.24	14.78 0.24 -10.91	16.66 0.84 -3.69	17.24 0.95 -2.81	19.14 1.23 -0.63	19.40 1.22 0.00	33.83 1.91 0.00	71.98 4.46 -0.36	29.30 1.86 0.00	27.72 1.54 0.00	18.46 1.14 0.00	17.97 1.10 0.00
N.TROY___115KV_TB1 355778	16.36 0.39 0.00	16.81 0.45 0.00	11.96 0.33 0.00	11.61 0.33 0.00	14.21 0.40 0.00	20.40 0.62 0.00	19.35 0.62 0.00	19.60 0.60 0.00	15.59 0.42 0.00	15.06 0.34 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.04 0.00	12.30 0.17 0.00	13.71 0.23 0.00	17.59 0.30 0.00	18.51 0.34 0.00	32.53 0.61 0.00	68.93 1.76 0.00	28.20 0.76 0.00	26.81 0.63 0.00	17.69 0.38 0.00	17.25 0.39 0.00
NARROWS_GT1_1 24228	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_2 24229	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_3 24230	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_4 24231	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_5 24232	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_6 24233	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00



NARROWS_GT1_7 24234	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT1_8 24235	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_1 24236	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_2 24237	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_3 24238	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_4 24239	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_5 24240	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_6 24241	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_7 24242	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NARROWS_GT2_8 24243	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	16.46 0.50 0.00	16.90 0.53 0.00	12.02 0.40 0.00	11.68 0.40 0.00	14.31 0.50 0.00	20.52 0.74 0.00	19.54 0.81 0.00	19.72 0.72 0.00	15.60 0.43 0.00	14.96 0.24 0.00	14.26 0.19 0.00	3.22 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.21 0.08 0.00	13.59 0.11 0.00	17.41 0.12 0.00	18.38 0.21 0.00	32.53 0.61 0.00	69.50 2.33 0.00	28.46 1.02 0.00	27.05 0.87 0.00	17.85 0.54 0.00	17.36 0.49 0.00
NCHELSEA_115KV_TR2 355582	17.01 1.04 0.00	17.40 1.03 0.00	12.39 0.77 0.00	12.04 0.75 0.00	14.74 0.93 0.00	21.12 1.33 0.00	20.07 1.34 0.00	20.39 1.40 0.00	16.22 1.05 0.00	15.75 1.03 0.00	15.04 0.96 0.00	3.39 0.21 0.00	3.00 0.17 0.00	3.84 0.21 0.00	12.84 0.72 0.00	14.31 0.83 0.00	18.42 1.14 0.00	19.31 1.14 0.00	33.93 2.01 0.00	71.97 4.80 0.00	29.42 1.98 0.00	27.90 1.72 0.00	18.43 1.11 0.00	17.96 1.09 0.00
NEG CAPITAL___MECHNVIL 23645	16.52 0.55 0.00	16.94 0.57 0.00	12.03 0.41 0.00	11.69 0.40 0.00	14.31 0.50 0.00	20.59 0.81 0.00	19.54 0.82 0.00	19.78 0.79 0.00	15.70 0.53 0.00	15.18 0.45 0.00	14.48 0.40 0.00	3.25 0.07 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.36 0.23 0.00	13.78 0.29 0.00	17.73 0.45 0.00	18.70 0.53 0.00	32.95 1.03 0.00	69.85 2.69 0.00	28.56 1.12 0.00	27.14 0.96 0.00	17.85 0.54 0.00	17.37 0.51 0.00
NEG CENTRAL_HIGH_ACRES 23767	14.69 -1.03 0.24	15.25 -1.10 0.02	10.43 -0.81 0.38	10.50 -0.79 0.00	12.66 -0.98 0.18	11.92 -1.20 6.66	13.46 -1.08 4.19	16.23 -1.02 1.75	14.25 -0.87 0.05	13.89 -0.83 0.00	13.29 -0.79 0.00	3.05 -0.14 0.00	2.74 -0.09 0.00	3.53 -0.11 0.00	11.64 -0.49 0.00	12.80 -0.67 0.00	16.47 -0.82 0.00	17.24 -0.93 0.00	30.17 -1.75 0.00	63.97 -3.20 0.00	24.34 -1.33 1.77	25.38 -0.80 0.00	16.35 -0.83 0.14	15.55 -0.82 0.50
NEG CENTRAL___DRP 24199	16.09 -0.22 -0.35	16.10 -0.30 -0.03	11.92 -0.24 -0.55	11.05 -0.24 0.00	13.76 -0.31 -0.26	29.07 -0.33 -9.62	24.49 -0.29 -6.05	21.49 -0.12 -2.61	15.10 -0.15 -0.08	14.58 -0.15 0.00	13.91 -0.17 0.00	3.16 -0.03 0.00	2.82 -0.01 0.00	3.62 -0.01 0.00	11.99 -0.14 0.00	13.34 -0.14 0.00	17.15 -0.14 0.00	18.08 -0.09 0.00	31.67 -0.25 0.00	67.18 0.01 0.00	30.18 0.06 -2.68	26.55 0.37 0.00	17.56 0.04 -0.21	17.63 0.00 -0.76



NEG CENTRAL___INDECK 23768	15.60 -0.28 0.08	15.92 -0.45 0.01	11.06 -0.43 0.13	10.84 -0.45 0.00	13.16 -0.59 0.06	16.81 -0.60 2.37	16.74 -0.49 1.49	17.90 -0.49 0.61	14.51 -0.65 0.02	14.12 -0.60 0.00	13.44 -0.64 0.00	3.07 -0.12 0.00	2.76 -0.07 0.00	3.57 -0.06 0.00	11.81 -0.32 0.00	12.95 -0.53 0.00	16.72 -0.57 0.00	17.55 -0.62 0.00	31.04 -0.88 0.00	66.08 -1.09 0.00	26.46 -0.37 0.61	26.60 0.42 0.00	17.22 -0.04 0.05	16.56 -0.14 0.17
NEG CENTRAL___SENECA 23627	16.30 -0.25 -0.58	16.08 -0.34 -0.05	12.25 -0.30 -0.93	10.99 -0.29 0.00	13.87 -0.37 -0.43	35.58 -0.40 -16.20	28.56 -0.35 -10.18	23.13 -0.23 -4.36	15.02 -0.28 -0.12	14.46 -0.26 -0.01	13.78 -0.30 0.00	3.13 -0.05 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.92 -0.21 0.00	13.22 -0.26 0.00	17.00 -0.29 0.00	17.92 -0.25 0.00	31.41 -0.51 0.00	66.69 -0.48 0.00	31.75 -0.15 -4.46	26.45 0.27 0.00	17.64 -0.03 -0.35	18.05 -0.09 -1.27
NEG CENTRAL___STATE_STREET 24147	15.99 -0.04 -0.06	16.25 -0.12 0.00	11.64 -0.08 -0.10	11.22 -0.07 0.00	13.74 -0.12 -0.05	21.44 -0.08 -1.74	19.78 -0.04 -1.09	19.67 0.17 -0.51	15.29 0.10 -0.02	14.80 0.08 0.00	14.14 0.06 0.00	3.20 0.02 0.00	2.86 0.03 0.00	3.66 0.02 0.00	12.14 0.01 0.00	13.55 0.07 0.00	17.43 0.14 0.00	18.39 0.22 0.00	32.17 0.25 0.00	68.17 1.01 0.00	28.48 0.50 -0.54	26.88 0.69 0.00	17.57 0.21 -0.04	17.24 0.22 -0.15
NEG MILLWOOD___DRP 24198	17.02 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.76 0.95 0.00	21.14 1.35 0.00	20.10 1.37 0.00	20.44 1.44 0.00	16.27 1.10 0.00	15.81 1.09 0.00	15.09 1.02 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.85 0.22 0.00	12.88 0.75 0.00	14.35 0.87 0.00	18.44 1.16 0.00	19.34 1.17 0.00	33.93 2.01 0.00	71.98 4.81 0.00	29.42 1.99 0.00	27.89 1.70 0.00	18.43 1.12 0.00	17.96 1.09 0.00
NEG NORTH_FLCN_SEA 23793	15.39 -0.57 0.00	15.67 -0.70 0.00	11.10 -0.52 0.00	10.81 -0.48 0.00	13.43 -0.38 0.00	19.46 -0.32 0.00	18.18 -0.54 0.00	18.41 -0.59 0.00	14.60 -0.58 0.00	13.91 -0.81 0.00	13.32 -0.76 0.00	3.01 -0.18 0.00	2.66 -0.17 0.00	3.48 -0.16 0.00	11.73 -0.40 0.00	13.01 -0.47 0.00	16.77 -0.51 0.00	18.25 0.08 0.00	33.38 1.46 0.00	70.28 3.12 0.00	28.45 1.02 0.00	26.50 0.32 0.00	16.82 -0.49 0.00	16.32 -0.55 0.00
NEG NORTH_KES_CHATEGAY 23792	15.44 -0.52 0.00	15.81 -0.56 0.00	11.17 -0.45 0.00	10.88 -0.41 0.00	13.42 -0.39 0.00	19.32 -0.46 0.00	18.11 -0.61 0.00	18.31 -0.68 0.00	14.61 -0.57 0.00	14.02 -0.70 0.00	13.42 -0.66 0.00	3.04 -0.15 0.00	2.69 -0.14 0.00	3.50 -0.13 0.00	11.77 -0.35 0.00	13.02 -0.45 0.00	16.78 -0.50 0.00	18.05 -0.12 0.00	32.60 0.68 0.00	68.33 1.16 0.00	27.74 0.30 0.00	26.01 -0.17 0.00	16.80 -0.51 0.00	16.36 -0.51 0.00
NEG NORTH___ALICE_FALLS 23915	15.44 -0.53 0.00	15.73 -0.63 0.00	11.14 -0.48 0.00	10.85 -0.44 0.00	13.45 -0.36 0.00	19.48 -0.30 0.00	18.23 -0.50 0.00	18.46 -0.53 0.00	14.66 -0.52 0.00	13.97 -0.75 0.00	13.36 -0.71 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.48 -0.15 0.00	11.75 -0.38 0.00	13.02 -0.46 0.00	16.79 -0.49 0.00	18.25 0.08 0.00	33.32 1.40 0.00	70.12 2.95 0.00	28.41 0.97 0.00	26.50 0.32 0.00	16.85 -0.46 0.00	16.35 -0.52 0.00
NEG NORTH___LWR_SARANAC 23913	15.44 -0.53 0.00	15.73 -0.63 0.00	11.14 -0.48 0.00	10.85 -0.44 0.00	13.45 -0.36 0.00	19.48 -0.30 0.00	18.23 -0.50 0.00	18.46 -0.53 0.00	14.66 -0.52 0.00	13.97 -0.75 0.00	13.36 -0.71 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.48 -0.15 0.00	11.75 -0.38 0.00	13.02 -0.46 0.00	16.79 -0.49 0.00	18.25 0.08 0.00	33.32 1.40 0.00	70.12 2.95 0.00	28.41 0.97 0.00	26.50 0.32 0.00	16.85 -0.46 0.00	16.35 -0.52 0.00
NEG NORTH___PLATTSBURG 23628	15.44 -0.53 0.00	15.73 -0.63 0.00	11.14 -0.48 0.00	10.85 -0.44 0.00	13.46 -0.36 0.00	19.48 -0.30 0.00	18.23 -0.50 0.00	18.47 -0.53 0.00	14.66 -0.52 0.00	13.97 -0.75 0.00	13.36 -0.71 0.00	3.01 -0.17 0.00	2.67 -0.16 0.00	3.48 -0.15 0.00	11.75 -0.38 0.00	13.02 -0.46 0.00	16.79 -0.49 0.00	18.25 0.08 0.00	33.32 1.40 0.00	70.12 2.95 0.00	28.41 0.97 0.00	26.50 0.32 0.00	16.85 -0.46 0.00	16.35 -0.52 0.00
NEG WEST_LEA_LOCKPORT 23791	14.43 -1.37 0.17	14.87 -1.48 0.02	10.27 -1.09 0.26	10.22 -1.06 0.00	12.32 -1.37 0.12	13.43 -1.73 4.62	14.17 -1.65 2.90	16.23 -1.56 1.21	13.86 -1.28 0.03	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.17 0.00	2.74 -0.09 0.00	3.52 -0.11 0.00	11.45 -0.67 0.00	12.55 -0.93 0.00	16.03 -1.25 0.00	16.69 -1.48 0.00	29.14 -2.78 0.00	62.13 -5.04 0.00	24.13 -2.09 1.22	24.95 -1.23 0.00	16.03 -1.19 0.10	15.43 -1.09 0.35
NEG WEST___LANCASTR 23811	15.31 -0.52 0.13	15.73 -0.62 0.01	10.90 -0.51 0.21	10.78 -0.50 0.00	13.02 -0.69 0.10	15.23 -0.85 3.70	15.44 -0.96 2.33	17.23 -0.80 0.96	14.44 -0.71 0.03	14.24 -0.48 0.00	13.67 -0.41 0.00	3.15 -0.04 0.00	2.84 0.01 0.00	3.66 0.02 0.00	11.95 -0.17 0.00	13.16 -0.32 0.00	16.88 -0.40 0.00	17.54 -0.63 0.00	30.54 -1.38 0.00	65.18 -1.98 0.00	25.58 -0.88 0.97	26.00 -0.18 0.00	16.88 -0.36 0.08	16.29 -0.30 0.28
NEG_PENN_ALLEGHNY 23528	16.16 0.20 0.00	16.54 0.17 0.00	11.71 0.09 0.00	11.37 0.08 0.00	13.91 0.10 0.00	19.94 0.15 0.00	18.84 0.11 0.00	19.22 0.22 0.00	15.26 0.09 0.00	14.89 0.17 0.00	14.25 0.17 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.70 0.07 0.00	12.39 0.26 0.00	13.70 0.22 0.00	17.41 0.13 0.00	18.29 0.12 0.00	32.11 0.20 0.00	68.06 0.89 0.00	27.76 0.32 0.00	26.65 0.47 0.00	17.53 0.21 0.00	17.07 0.21 0.00
NEG___GEN_MONROE 24207	14.96 -0.80 0.21	15.48 -0.87 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.81 0.15	13.15 -0.91 5.72	14.31 -0.82 3.60	16.74 -0.76 1.50	14.44 -0.69 0.04	14.10 -0.62 0.00	13.50 -0.58 0.00	3.10 -0.08 0.00	2.79 -0.03 0.00	3.60 -0.03 0.00	11.87 -0.26 0.00	13.01 -0.47 0.00	16.72 -0.57 0.00	17.47 -0.70 0.00	30.60 -1.32 0.00	65.03 -2.14 0.00	25.01 -0.91 1.52	25.85 -0.33 0.00	16.62 -0.57 0.12	15.90 -0.53 0.43
NEPA___ENERGY 23901	15.28 -0.55 0.13	15.69 -0.67 0.01	10.86 -0.55 0.21	10.75 -0.54 0.00	12.99 -0.73 0.10	15.20 -0.91 3.68	15.36 -1.05 2.31	17.23 -0.81 0.96	14.40 -0.75 0.03	14.22 -0.50 0.00	13.64 -0.43 0.00	3.14 -0.05 0.00	2.81 -0.02 0.00	3.64 0.01 0.00	11.90 -0.23 0.00	13.11 -0.37 0.00	16.80 -0.48 0.00	17.47 -0.70 0.00	30.54 -1.39 0.00	65.43 -1.73 0.00	25.63 -0.85 0.97	26.05 -0.12 0.00	16.95 -0.28 0.08	16.32 -0.27 0.28
NEVERSINK___HYD 23608	16.57 0.61 0.00	16.96 0.59 0.00	12.07 0.45 0.00	11.72 0.44 0.00	14.36 0.55 0.00	20.59 0.80 0.00	19.56 0.83 0.00	19.89 0.89 0.00	15.79 0.61 0.00	15.29 0.57 0.00	14.55 0.48 0.00	3.28 0.10 0.00	2.90 0.07 0.00	3.72 0.08 0.00	12.44 0.31 0.00	13.85 0.37 0.00	17.80 0.51 0.00	18.68 0.51 0.00	32.95 1.03 0.00	69.88 2.71 0.00	28.59 1.15 0.00	27.15 0.97 0.00	17.93 0.61 0.00	17.45 0.59 0.00



NEWKRMKL_115KV_TB1 55635	16.14 0.18 0.00	16.56 0.19 0.00	11.78 0.16 0.00	11.44 0.16 0.00	14.01 0.20 0.00	20.02 0.24 0.00	19.04 0.32 0.00	19.26 0.27 0.00	15.38 0.21 0.00	14.89 0.17 0.00	14.27 0.19 0.00	3.23 0.04 0.00	2.86 0.03 0.00	3.67 0.03 0.00	12.26 0.14 0.00	13.64 0.17 0.00	17.41 0.12 0.00	18.27 0.10 0.00	32.06 0.15 0.00	67.92 0.76 0.00	27.76 0.32 0.00	26.36 0.18 0.00	17.47 0.16 0.00	17.02 0.15 0.00
NEWTON___FALLS_HYD 23847	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00
NGRID_A1_DSASP 323792	14.08 -1.72 0.16	14.52 -1.84 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.02 -1.68 0.12	13.07 -2.19 4.53	13.84 -2.04 2.85	15.85 -1.96 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.80 0.00	12.28 -1.20 0.00	15.66 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.49 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.63 -1.59 0.09	15.07 -1.46 0.34
NGRID_A2_DSASP 323793	14.08 -1.72 0.16	14.52 -1.84 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.02 -1.68 0.12	13.07 -2.19 4.53	13.84 -2.04 2.85	15.85 -1.96 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.80 0.00	12.28 -1.20 0.00	15.66 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.49 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.63 -1.59 0.09	15.07 -1.46 0.34
NGRID_A4_DSASP 323807	14.08 -1.72 0.16	14.52 -1.84 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.02 -1.68 0.12	13.07 -2.19 4.53	13.84 -2.04 2.85	15.85 -1.96 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.80 0.00	12.28 -1.20 0.00	15.66 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.49 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.63 -1.59 0.09	15.07 -1.46 0.34
NIAGARA_115E_LBMP 323715	14.16 -1.64 0.16	14.60 -1.76 0.02	10.09 -1.28 0.26	10.04 -1.25 0.00	12.07 -1.62 0.12	13.16 -2.11 4.51	13.93 -1.97 2.83	15.94 -1.88 1.18	13.61 -1.52 0.03	13.34 -1.39 0.00	12.77 -1.31 0.00	2.97 -0.21 0.00	2.69 -0.13 0.00	3.46 -0.17 0.00	11.25 -0.88 0.00	12.33 -1.15 0.00	15.72 -1.56 0.00	16.35 -1.82 0.00	28.54 -3.38 0.00	60.79 -6.38 0.00	23.63 -2.61 1.19	24.45 -1.74 0.00	15.70 -1.52 0.09	15.14 -1.39 0.34
NIAGARA_115W_LBMP 323714	14.04 -1.76 0.16	14.48 -1.87 0.02	10.01 -1.35 0.26	9.97 -1.32 0.00	11.99 -1.70 0.12	13.01 -2.23 4.54	13.79 -2.08 2.86	15.81 -2.00 1.19	13.53 -1.61 0.03	13.25 -1.47 0.00	12.69 -1.39 0.00	2.96 -0.22 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.30 -0.83 0.00	12.25 -1.23 0.00	15.62 -1.67 0.00	16.23 -1.93 0.00	28.34 -3.58 0.00	60.32 -6.85 0.00	23.43 -2.81 1.20	24.27 -1.92 0.00	15.58 -1.64 0.09	15.03 -1.50 0.34
NIAGARA_230_LBMP 323716	14.29 -1.51 0.17	14.75 -1.60 0.02	10.19 -1.17 0.26	10.14 -1.15 0.00	12.22 -1.47 0.12	13.27 -1.88 4.63	14.06 -1.76 2.91	16.09 -1.70 1.21	13.76 -1.38 0.03	13.48 -1.24 0.00	12.91 -1.16 0.00	3.00 -0.18 0.00	2.72 -0.11 0.00	3.50 -0.14 0.00	11.39 -0.74 0.00	12.47 -1.01 0.00	15.91 -1.38 0.00	16.54 -1.63 0.00	28.89 -3.02 0.00	61.51 -5.66 0.00	23.87 -2.35 1.22	24.70 -1.48 0.00	15.87 -1.34 0.10	15.29 -1.22 0.35
NIAGARA___115KV_198_GIBSON 55903	14.04 -1.76 0.16	14.49 -1.87 0.02	10.00 -1.35 0.26	9.97 -1.32 0.00	12.00 -1.70 0.12	13.02 -2.22 4.54	13.77 -2.10 2.86	15.80 -2.00 1.19	13.53 -1.61 0.03	13.25 -1.47 0.00	12.69 -1.39 0.00	2.97 -0.22 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.30 -0.83 0.00	12.25 -1.23 0.00	15.62 -1.67 0.00	16.23 -1.94 0.00	28.34 -3.58 0.00	60.32 -6.84 0.00	23.42 -2.81 1.20	24.26 -1.92 0.00	15.58 -1.64 0.09	15.03 -1.50 0.34
NIAGARA____ 23760	14.29 -1.51 0.16	14.75 -1.60 0.02	10.19 -1.17 0.26	10.14 -1.15 0.00	12.22 -1.47 0.12	13.35 -1.88 4.56	14.10 -1.76 2.87	16.10 -1.70 1.19	13.76 -1.38 0.03	13.48 -1.24 0.00	12.91 -1.16 0.00	3.00 -0.18 0.00	2.72 -0.11 0.00	3.50 -0.14 0.00	11.39 -0.74 0.00	12.47 -1.01 0.00	15.91 -1.38 0.00	16.54 -1.63 0.00	28.89 -3.02 0.00	61.51 -5.66 0.00	23.88 -2.35 1.21	24.70 -1.48 0.00	15.87 -1.34 0.09	15.30 -1.22 0.34
NINE_MILE_1 23575	15.51 -0.45 0.00	15.89 -0.48 0.00	11.28 -0.34 0.00	10.95 -0.34 0.00	13.40 -0.41 0.00	19.22 -0.56 0.00	18.22 -0.51 0.00	18.47 -0.52 0.00	14.72 -0.45 0.00	14.29 -0.44 0.00	13.65 -0.42 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.53 -0.10 0.00	11.75 -0.38 0.00	13.07 -0.41 0.00	16.78 -0.51 0.00	17.64 -0.53 0.00	30.99 -0.93 0.00	65.42 -1.75 0.00	26.73 -0.71 0.00	25.54 -0.64 0.00	16.83 -0.48 0.00	16.40 -0.47 0.00
NINE_MILE_2 23744	15.51 -0.45 0.00	15.89 -0.48 0.00	11.28 -0.34 0.00	10.95 -0.34 0.00	13.40 -0.41 0.00	19.23 -0.56 0.00	18.22 -0.51 0.00	18.48 -0.52 0.00	14.72 -0.45 0.00	14.29 -0.44 0.00	13.65 -0.42 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.53 -0.10 0.00	11.75 -0.38 0.00	13.07 -0.41 0.00	16.78 -0.51 0.00	17.64 -0.53 0.00	31.00 -0.92 0.00	65.44 -1.73 0.00	26.73 -0.71 0.00	25.54 -0.64 0.00	16.83 -0.48 0.00	16.40 -0.47 0.00
NM_CAPITAL___DRP 24208	16.16 0.20 0.00	16.59 0.22 0.00	11.80 0.18 0.00	11.47 0.18 0.00	14.03 0.22 0.00	20.06 0.28 0.00	19.07 0.34 0.00	19.30 0.31 0.00	15.40 0.23 0.00	14.91 0.19 0.00	14.29 0.21 0.00	3.23 0.05 0.00	2.86 0.03 0.00	3.67 0.03 0.00	12.27 0.14 0.00	13.66 0.18 0.00	17.43 0.14 0.00	18.29 0.12 0.00	32.09 0.18 0.00	67.98 0.81 0.00	27.79 0.35 0.00	26.41 0.23 0.00	17.49 0.18 0.00	17.05 0.18 0.00
NM_CENTRAL___DRP 24181	15.82 -0.15 0.00	16.20 -0.17 0.00	11.49 -0.13 0.00	11.16 -0.12 0.00	13.66 -0.15 0.00	19.61 -0.18 0.00	18.58 -0.14 0.00	18.88 -0.11 0.00	15.05 -0.13 0.00	14.60 -0.12 0.00	13.96 -0.12 0.00	3.16 -0.02 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.99 -0.14 0.00	13.35 -0.13 0.00	17.16 -0.13 0.00	18.05 -0.12 0.00	31.71 -0.21 0.00	67.05 -0.12 0.00	27.39 -0.05 0.00	26.18 0.00 0.00	17.23 -0.08 0.00	16.78 -0.09 0.00
NM_FRONTIER___DRP 24179	14.04 -1.76 0.16	14.49 -1.87 0.02	10.00 -1.35 0.26	9.97 -1.32 0.00	12.00 -1.70 0.12	13.02 -2.22 4.54	13.77 -2.10 2.86	15.80 -2.00 1.19	13.53 -1.61 0.03	13.25 -1.47 0.00	12.69 -1.39 0.00	2.97 -0.22 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.30 -0.83 0.00	12.25 -1.23 0.00	15.62 -1.67 0.00	16.23 -1.94 0.00	28.34 -3.58 0.00	60.32 -6.84 0.00	23.42 -2.81 1.20	24.26 -1.92 0.00	15.58 -1.64 0.09	15.03 -1.50 0.34



NM_ST_REGIS___HYD 24053	15.34 -0.62 0.00	15.73 -0.64 0.00	11.13 -0.50 0.00	10.82 -0.47 0.00	13.28 -0.53 0.00	19.03 -0.75 0.00	17.95 -0.78 0.00	18.16 -0.83 0.00	14.50 -0.67 0.00	13.99 -0.74 0.00	13.37 -0.71 0.00	3.02 -0.16 0.00	2.69 -0.14 0.00	3.47 -0.16 0.00	11.63 -0.50 0.00	12.93 -0.55 0.00	16.63 -0.66 0.00	17.71 -0.45 0.00	31.45 -0.47 0.00	65.86 -1.31 0.00	26.81 -0.63 0.00	25.43 -0.75 0.00	16.66 -0.66 0.00	16.20 -0.67 0.00
NORTHPORT___1 23551	16.91 0.95 0.00	17.35 0.98 0.00	12.46 0.84 0.00	12.10 0.82 0.00	14.74 0.93 0.00	20.90 1.11 0.00	19.85 1.13 0.00	20.13 1.13 0.00	16.05 0.88 0.00	15.81 1.09 0.00	15.12 1.04 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.22 0.74 0.00	18.42 1.14 0.00	19.16 0.99 0.00	33.28 1.36 0.00	70.49 3.32 0.00	28.76 1.33 0.00	27.40 1.22 0.00	18.31 1.00 0.00	17.95 1.09 0.00
NORTHPORT___2 23552	16.91 0.95 0.00	17.35 0.98 0.00	12.46 0.84 0.00	12.10 0.82 0.00	14.74 0.93 0.00	20.90 1.11 0.00	19.85 1.13 0.00	20.13 1.13 0.00	16.05 0.88 0.00	15.81 1.09 0.00	15.12 1.04 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.22 0.74 0.00	18.42 1.14 0.00	19.16 0.99 0.00	33.28 1.36 0.00	70.49 3.32 0.00	28.76 1.33 0.00	27.40 1.22 0.00	18.31 1.00 0.00	17.95 1.09 0.00
NORTHPORT___3 23553	16.86 0.90 0.00	17.28 0.91 0.00	12.40 0.78 0.00	12.04 0.75 0.00	14.65 0.84 0.00	20.75 0.97 0.00	19.65 0.92 0.00	19.95 0.95 0.00	15.91 0.74 0.00	15.71 0.99 0.00	15.08 1.01 0.00	3.39 0.21 0.00	3.00 0.17 0.00	3.82 0.19 0.00	12.81 0.68 0.00	14.22 0.74 0.00	18.40 1.12 0.00	19.13 0.96 0.00	33.22 1.30 0.00	70.33 3.16 0.00	28.71 1.27 0.00	27.34 1.16 0.00	18.27 0.96 0.00	17.92 1.05 0.00
NORTHPORT___4 23650	16.86 0.90 0.00	17.28 0.91 0.00	12.40 0.78 0.00	12.04 0.75 0.00	14.65 0.84 0.00	20.75 0.97 0.00	19.65 0.92 0.00	19.95 0.95 0.00	15.91 0.74 0.00	15.71 0.99 0.00	15.08 1.01 0.00	3.39 0.21 0.00	3.00 0.17 0.00	3.82 0.19 0.00	12.81 0.68 0.00	14.22 0.74 0.00	18.40 1.12 0.00	19.13 0.96 0.00	33.22 1.30 0.00	70.33 3.16 0.00	28.71 1.27 0.00	27.34 1.16 0.00	18.27 0.96 0.00	17.92 1.05 0.00
NORTHPORT___IC 23718	16.91 0.95 0.00	17.35 0.98 0.00	12.46 0.84 0.00	12.10 0.82 0.00	14.74 0.92 0.00	20.90 1.11 0.00	19.85 1.13 0.00	20.13 1.14 0.00	16.06 0.88 0.00	15.81 1.08 0.00	15.12 1.05 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.22 0.74 0.00	18.42 1.14 0.00	19.16 0.99 0.00	33.28 1.37 0.00	70.48 3.31 0.00	28.77 1.33 0.00	27.40 1.22 0.00	18.31 1.00 0.00	17.95 1.09 0.00
NORTH___COUNTRY_ESR 323785	15.39 -0.57 0.00	15.77 -0.60 0.00	11.14 -0.49 0.00	10.84 -0.45 0.00	13.37 -0.44 0.00	19.25 -0.54 0.00	18.04 -0.68 0.00	18.25 -0.74 0.00	14.57 -0.60 0.00	14.00 -0.72 0.00	13.41 -0.67 0.00	3.03 -0.15 0.00	2.69 -0.14 0.00	3.49 -0.14 0.00	11.76 -0.37 0.00	13.00 -0.48 0.00	16.75 -0.54 0.00	18.00 -0.17 0.00	32.49 0.58 0.00	68.09 0.92 0.00	27.64 0.21 0.00	25.91 -0.27 0.00	16.74 -0.58 0.00	16.30 -0.56 0.00
NPX_GEN_1385_PROXY 323591	16.80 0.84 0.00	17.35 0.98 0.00	12.46 0.84 0.00	12.10 0.82 0.00	14.74 0.93 0.00	25.44 1.12 -4.54	19.99 1.27 0.00	20.17 1.18 0.00	16.07 0.90 0.00	15.80 1.08 0.00	15.02 0.94 0.00	3.38 0.20 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.72 0.59 0.00	9.02 0.55 5.01	18.36 1.07 0.00	19.16 0.99 0.00	33.33 1.41 0.00	70.53 3.36 0.00	28.63 1.19 0.00	27.39 1.22 0.00	18.27 0.96 0.00	17.82 0.96 0.00
NPX_GEN_CSC 323557	16.99 1.03 0.00	17.41 1.05 0.00	12.51 0.89 0.00	12.14 0.85 0.00	14.80 0.99 0.00	25.55 1.23 -4.54	19.93 1.21 0.00	20.25 1.25 0.00	16.14 0.96 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.19 0.00	3.83 0.20 0.00	12.81 0.68 0.00	14.17 0.69 0.00	18.38 1.09 0.00	19.16 0.99 0.00	33.45 1.53 0.00	71.12 3.95 0.00	29.04 1.60 0.00	27.59 1.41 0.00	18.52 1.20 0.00	18.16 1.30 0.00
NSINS_S_GLNS_FALLS 23858	16.40 0.44 0.00	16.78 0.41 0.00	11.95 0.33 0.00	11.62 0.33 0.00	14.26 0.45 0.00	20.59 0.80 0.00	19.58 0.85 0.00	19.80 0.80 0.00	15.66 0.49 0.00	15.06 0.34 0.00	14.33 0.25 0.00	3.22 0.04 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.23 0.10 0.00	13.65 0.17 0.00	17.65 0.37 0.00	18.68 0.51 0.00	32.98 1.06 0.00	70.08 2.91 0.00	28.65 1.21 0.00	27.18 1.00 0.00	17.76 0.45 0.00	17.24 0.38 0.00
NUCOR_STEEL___DRP 24197	15.92 -0.04 0.00	16.24 -0.13 0.00	11.54 -0.08 0.00	11.22 -0.07 0.00	13.69 -0.12 0.00	19.71 -0.08 0.00	18.69 -0.04 0.00	19.17 0.18 0.00	15.29 0.12 0.00	14.82 0.10 0.00	14.17 0.09 0.00	3.21 0.02 0.00	2.86 0.03 0.00	3.66 0.03 0.00	12.15 0.02 0.00	13.57 0.09 0.00	17.45 0.17 0.00	18.41 0.24 0.00	32.19 0.27 0.00	68.21 1.04 0.00	27.97 0.53 0.00	26.88 0.70 0.00	17.52 0.21 0.00	17.10 0.23 0.00
NUMBER_THREE_WT_PWR 323818	15.56 -0.41 0.00	15.82 -0.55 0.00	11.16 -0.46 0.00	10.86 -0.43 0.00	13.29 -0.52 0.00	19.02 -0.76 0.00	18.02 -0.70 0.00	18.18 -0.82 0.00	14.41 -0.76 0.00	13.95 -0.77 0.00	13.30 -0.78 0.00	2.98 -0.20 0.00	2.64 -0.18 0.00	3.40 -0.23 0.00	11.35 -0.78 0.00	12.76 -0.72 0.00	16.46 -0.83 0.00	17.84 -0.33 0.00	31.51 -0.41 0.00	67.38 0.21 0.00	27.27 -0.17 0.00	25.86 -0.32 0.00	16.79 -0.52 0.00	16.51 -0.36 0.00
NYISO_LBMP_REFERENCE 24008	15.97 0.00 0.00	16.37 0.00 0.00	11.62 0.00 0.00	11.29 0.00 0.00	13.81 0.00 0.00	19.78 0.00 0.00	18.72 0.00 0.00	18.99 0.00 0.00	15.17 0.00 0.00	14.72 0.00 0.00	14.08 0.00 0.00	3.19 0.00 0.00	2.83 0.00 0.00	3.63 0.00 0.00	12.13 0.00 0.00	13.48 0.00 0.00	17.29 0.00 0.00	18.17 0.00 0.00	31.92 0.00 0.00	67.17 0.00 0.00	27.44 0.00 0.00	26.18 0.00 0.00	17.31 0.00 0.00	16.87 0.00 0.00
NYPA_BRENTWD____GT 24164	17.10 1.14 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.14 1.36 0.00	20.08 1.36 0.00	20.37 1.38 0.00	16.23 1.06 0.00	15.96 1.24 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.86 0.23 0.00	12.91 0.78 0.00	14.32 0.84 0.00	18.57 1.28 0.00	19.36 1.19 0.00	33.73 1.81 0.00	71.50 4.33 0.00	29.19 1.75 0.00	27.77 1.59 0.00	18.54 1.22 0.00	18.15 1.28 0.00
NYPA_GOWANUS____GT5 24156	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00



NYPA_GOWANUS____GT6 24157	17.06 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.11 1.33 0.00	20.08 1.35 0.00	20.44 1.45 0.00	16.32 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.28 0.98 -2.81	19.19 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.24 4.71 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.47 1.16 0.00	18.00 1.14 0.00
NYPA_HARLEM_RVR_GT1 24160	16.98 1.02 0.00	17.36 1.00 0.00	12.37 0.75 0.00	12.02 0.73 0.00	14.74 0.92 0.00	20.98 1.20 0.00	19.98 1.26 0.00	20.34 1.35 0.00	16.28 1.11 0.00	16.37 1.12 -0.53	18.01 1.06 -2.87	9.99 0.23 -6.58	16.25 0.19 -13.23	14.77 0.23 -10.90	16.63 0.80 -3.69	17.20 0.91 -2.81	19.09 1.17 -0.63	19.34 1.17 0.00	33.74 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.66 1.48 0.00	18.41 1.09 0.00	17.93 1.06 0.00
NYPA_HARLEM_RVR_GT2 24161	16.98 1.02 0.00	17.36 1.00 0.00	12.37 0.75 0.00	12.02 0.73 0.00	14.74 0.92 0.00	20.98 1.20 0.00	19.98 1.26 0.00	20.34 1.35 0.00	16.28 1.11 0.00	16.37 1.12 -0.53	18.01 1.06 -2.87	9.99 0.23 -6.58	16.25 0.19 -13.23	14.77 0.23 -10.90	16.63 0.80 -3.69	17.20 0.91 -2.81	19.09 1.17 -0.63	19.34 1.17 0.00	33.74 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.66 1.48 0.00	18.41 1.09 0.00	17.93 1.06 0.00
NYPA_KENT____GT 24152	17.03 1.06 0.00	17.41 1.04 0.00	12.41 0.79 0.00	12.05 0.76 0.00	14.77 0.96 0.00	21.06 1.28 0.00	20.04 1.32 0.00	20.40 1.41 0.00	16.30 1.13 0.00	16.16 1.16 -0.28	16.76 1.11 -1.58	7.97 0.24 -4.55	16.27 0.20 -13.24	14.78 0.24 -10.91	16.67 0.84 -3.69	17.26 0.96 -2.81	19.15 1.24 -0.63	19.39 1.22 0.00	33.87 1.95 0.00	72.15 4.62 -0.36	29.35 1.92 0.00	27.76 1.58 0.00	18.43 1.12 0.00	17.97 1.10 0.00
NYPA_POUCH1____GT 24155	17.06 1.09 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.99 0.00	21.12 1.33 0.00	20.08 1.35 0.00	20.43 1.43 0.00	16.30 1.13 0.00	16.14 1.14 -0.28	16.74 1.08 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.65 0.82 -3.69	17.24 0.94 -2.81	19.15 1.24 -0.63	19.39 1.22 0.00	33.84 1.92 0.00	72.01 4.48 -0.36	29.34 1.90 0.00	27.79 1.60 0.00	18.46 1.15 0.00	18.00 1.13 0.00
NYPA_VERNON____GT2 24162	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.94 0.00	21.02 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.10 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.13 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.03 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
NYPA_VERNON____GT3 24163	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.94 0.00	21.02 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.10 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.13 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.03 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
NYPA__ASTORIA_CC1 323568	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.98 1.25 0.00	20.33 1.34 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.81 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.97 4.44 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
NYPA__ASTORIA_CC2 323569	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	20.99 1.21 0.00	19.98 1.25 0.00	20.33 1.34 0.00	16.27 1.10 0.00	16.14 1.13 -0.28	16.74 1.08 -1.58	7.96 0.24 -4.55	16.26 0.19 -13.24	14.78 0.24 -10.91	16.64 0.81 -3.69	17.22 0.93 -2.81	19.10 1.19 -0.63	19.34 1.17 0.00	33.78 1.86 0.00	71.97 4.44 -0.36	29.27 1.83 0.00	27.67 1.49 0.00	18.38 1.07 0.00	17.91 1.05 0.00
NYPA__HOLTSVILL 23794	17.04 1.07 0.00	17.46 1.10 0.00	12.53 0.91 0.00	12.17 0.88 0.00	14.84 1.03 0.00	21.08 1.30 0.00	20.01 1.29 0.00	20.31 1.31 0.00	16.17 1.00 0.00	15.93 1.20 0.00	15.22 1.14 0.00	3.42 0.23 0.00	3.02 0.19 0.00	3.84 0.20 0.00	12.84 0.71 0.00	14.24 0.76 0.00	18.46 1.17 0.00	19.24 1.07 0.00	33.52 1.60 0.00	71.10 3.93 0.00	29.03 1.59 0.00	27.62 1.44 0.00	18.47 1.16 0.00	18.09 1.23 0.00
NYPA____HELLGATE_GT1 24158	16.98 1.02 0.00	17.36 1.00 0.00	12.37 0.75 0.00	12.02 0.73 0.00	14.74 0.92 0.00	20.98 1.20 0.00	19.98 1.26 0.00	20.34 1.35 0.00	16.28 1.11 0.00	15.86 1.12 -0.03	15.42 1.06 -0.28	5.91 0.23 -2.50	16.25 0.19 -13.23	14.77 0.23 -10.90	16.63 0.80 -3.69	17.20 0.91 -2.81	19.09 1.17 -0.63	19.34 1.17 0.00	33.74 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.66 1.48 0.00	18.41 1.10 0.00	17.93 1.06 0.00
NYPA____HELLGATE_GT2 24159	16.98 1.02 0.00	17.36 1.00 0.00	12.37 0.75 0.00	12.02 0.73 0.00	14.74 0.92 0.00	20.98 1.20 0.00	19.98 1.26 0.00	20.34 1.35 0.00	16.28 1.11 0.00	15.86 1.12 -0.03	15.42 1.06 -0.28	5.91 0.23 -2.50	16.25 0.19 -13.23	14.77 0.23 -10.90	16.63 0.80 -3.69	17.20 0.91 -2.81	19.09 1.17 -0.63	19.34 1.17 0.00	33.74 1.83 0.00	71.83 4.30 -0.36	29.23 1.79 0.00	27.66 1.48 0.00	18.41 1.10 0.00	17.93 1.06 0.00
NYS_BARGE__HYD 23848	14.43 -1.37 0.17	14.87 -1.48 0.02	10.26 -1.09 0.27	10.23 -1.06 0.00	12.30 -1.38 0.12	13.36 -1.75 4.67	14.16 -1.62 2.94	16.24 -1.54 1.22	13.87 -1.27 0.04	13.58 -1.14 0.00	13.01 -1.07 0.00	3.02 -0.16 0.00	2.74 -0.09 0.00	3.52 -0.11 0.00	11.46 -0.67 0.00	12.55 -0.93 0.00	16.04 -1.25 0.00	16.70 -1.47 0.00	29.15 -2.77 0.00	62.14 -5.03 0.00	24.13 -2.08 1.23	24.95 -1.23 0.00	16.02 -1.20 0.10	15.43 -1.09 0.35
OAK ORCHARD__HYD 24046	14.89 -0.87 0.21	15.41 -0.94 0.02	10.59 -0.70 0.33	10.60 -0.68 0.00	12.80 -0.86 0.15	13.00 -1.01 5.77	14.21 -0.89 3.63	16.64 -0.84 1.51	14.39 -0.74 0.04	14.05 -0.67 0.00	13.46 -0.62 0.00	3.09 -0.09 0.00	2.78 -0.04 0.00	3.59 -0.04 0.00	11.82 -0.31 0.00	12.97 -0.50 0.00	16.64 -0.64 0.00	17.39 -0.78 0.00	30.46 -1.46 0.00	64.68 -2.49 0.00	24.86 -1.05 1.53	25.69 -0.49 0.00	16.54 -0.65 0.12	15.82 -0.61 0.44
OAKDALE__35_KV_LOAD 356122	16.12 0.15 0.00	16.50 0.13 0.00	11.69 0.07 0.00	11.34 0.06 0.00	13.88 0.07 0.00	19.89 0.10 0.00	18.79 0.06 0.00	19.15 0.15 0.00	15.22 0.05 0.00	14.85 0.13 0.00	14.20 0.13 0.00	3.22 0.04 0.00	2.86 0.04 0.00	3.69 0.05 0.00	12.37 0.23 0.00	13.67 0.19 0.00	17.37 0.08 0.00	18.23 0.06 0.00	32.02 0.10 0.00	67.81 0.64 0.00	27.67 0.23 0.00	26.55 0.38 0.00	17.48 0.16 0.00	17.03 0.00 0.00



OCC_CHEM___DRP 24175	14.07 -1.73 0.16	14.52 -1.83 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.03 -1.66 0.12	13.08 -2.17 4.53	13.82 -2.06 2.85	15.84 -1.97 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.81 0.00	12.28 -1.20 0.00	15.65 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.50 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.62 -1.60 0.09	15.06 -1.46 0.34
OH_GEN_PROXY 24063	14.36 -1.44 0.17	14.82 -1.53 0.02	10.23 -1.12 0.27	10.19 -1.10 0.00	12.29 -1.41 0.12	17.86 -1.79 0.13	14.11 -1.69 2.93	16.16 -1.62 1.22	13.82 -1.32 0.04	13.54 -1.18 0.00	12.98 -1.10 0.00	3.01 -0.17 0.00	2.73 -0.10 0.00	3.51 -0.12 0.00	11.44 -0.69 0.00	12.53 -0.95 0.00	15.99 -1.29 0.00	16.63 -1.54 0.00	29.05 -2.87 0.00	61.83 -5.34 0.00	23.98 -2.23 1.23	24.79 -1.39 0.00	15.95 -1.27 0.10	15.36 -1.16 0.35
OLIN_CORP_DRP 24177	14.19 -1.62 0.16	14.63 -1.73 0.02	10.11 -1.26 0.25	10.06 -1.23 0.00	12.11 -1.58 0.12	13.28 -2.04 4.46	13.97 -1.95 2.81	15.98 -1.85 1.17	13.64 -1.49 0.03	13.37 -1.36 0.00	12.80 -1.28 0.00	2.98 -0.20 0.00	2.70 -0.13 0.00	3.47 -0.16 0.00	11.27 -0.86 0.00	12.35 -1.13 0.00	15.76 -1.52 0.00	16.39 -1.78 0.00	28.62 -3.30 0.00	60.96 -6.21 0.00	23.70 -2.56 1.18	24.51 -1.68 0.00	15.74 -1.48 0.09	15.18 -1.35 0.34
OLIN_CORP_DSASP 323712	14.08 -1.72 0.16	14.52 -1.84 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.02 -1.68 0.12	13.07 -2.19 4.53	13.84 -2.04 2.85	15.85 -1.96 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.80 0.00	12.28 -1.20 0.00	15.66 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.49 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.63 -1.59 0.09	15.07 -1.46 0.34
ONEIDA_HERK_LFGE 323681	16.04 0.07 0.00	16.38 0.02 0.00	11.60 -0.02 0.00	11.27 -0.01 0.00	13.80 -0.01 0.00	19.79 0.01 0.00	18.77 0.04 0.00	18.98 -0.02 0.00	15.07 -0.10 0.00	14.59 -0.13 0.00	13.91 -0.17 0.00	3.13 -0.06 0.00	2.78 -0.05 0.00	3.57 -0.07 0.00	11.91 -0.22 0.00	13.33 -0.15 0.00	17.18 -0.11 0.00	18.31 0.14 0.00	32.30 0.38 0.00	68.55 1.38 0.00	27.90 0.46 0.00	26.52 0.34 0.00	17.37 0.06 0.00	16.98 0.11 0.00
ONEIDA___115KV_TB4 55905	16.38 0.41 0.00	16.75 0.38 0.00	11.87 0.24 0.00	11.52 0.23 0.00	14.11 0.30 0.00	20.27 0.49 0.00	19.24 0.51 0.00	19.46 0.47 0.00	15.42 0.25 0.00	14.92 0.19 0.00	14.21 0.13 0.00	3.21 0.02 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.17 0.04 0.00	13.61 0.13 0.00	17.58 0.30 0.00	18.62 0.45 0.00	32.86 0.94 0.00	69.63 2.47 0.00	28.43 0.99 0.00	27.07 0.89 0.00	17.76 0.44 0.00	17.32 0.46 0.00
ONONDAGA_REF_OCCRA 23987	15.96 0.00 0.00	16.34 -0.03 0.00	11.59 -0.03 0.00	11.25 -0.03 0.00	13.78 -0.04 0.00	19.78 0.00 0.00	18.75 0.03 0.00	19.07 0.07 0.00	15.18 0.01 0.00	14.72 -0.01 0.00	14.06 -0.02 0.00	3.18 0.00 0.00	2.83 0.00 0.00	3.63 0.00 0.00	12.06 -0.07 0.00	13.45 -0.03 0.00	17.30 0.01 0.00	18.22 0.05 0.00	32.05 0.13 0.00	67.82 0.65 0.00	27.71 0.27 0.00	26.47 0.29 0.00	17.40 0.09 0.00	16.94 0.08 0.00
ONONDAGA___COGEN 23986	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
ONTARIO___LFGE 23819	16.31 -0.24 -0.58	16.08 -0.34 -0.05	12.25 -0.30 -0.93	10.99 -0.29 0.00	13.87 -0.38 -0.43	35.58 -0.40 -16.20	28.57 -0.34 -10.18	23.14 -0.22 -4.36	15.02 -0.28 -0.12	14.46 -0.26 -0.01	13.78 -0.30 0.00	3.13 -0.05 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.92 -0.21 0.00	13.22 -0.26 0.00	17.00 -0.28 0.00	17.92 -0.25 0.00	31.41 -0.52 0.00	66.69 -0.48 0.00	31.75 -0.14 -4.46	26.45 0.27 0.00	17.64 -0.02 -0.35	18.05 -0.09 -1.27
ORANGEVILLE_WT_PWR 323706	14.98 -0.89 0.10	15.27 -1.09 0.01	10.57 -0.90 0.15	10.39 -0.90 0.00	12.58 -1.17 0.07	15.57 -1.54 2.68	15.54 -1.50 1.69	16.89 -1.42 0.69	14.01 -1.14 0.02	13.73 -0.99 0.00	13.04 -1.04 0.00	2.99 -0.20 0.00	2.70 -0.13 0.00	3.48 -0.15 0.00	11.40 -0.73 0.00	12.53 -0.95 0.00	16.10 -1.19 0.00	16.81 -1.36 0.00	29.40 -2.52 0.00	62.89 -4.27 0.00	25.12 -1.63 0.69	25.46 -0.72 0.00	16.49 -0.77 0.05	15.90 -0.76 0.20
ORANGEVILLE___ESR 323794	14.98 -0.89 0.10	15.27 -1.09 0.01	10.57 -0.90 0.15	10.39 -0.90 0.00	12.58 -1.17 0.07	15.57 -1.54 2.68	15.54 -1.50 1.69	16.89 -1.42 0.69	14.01 -1.14 0.02	13.73 -0.99 0.00	13.04 -1.04 0.00	2.99 -0.20 0.00	2.70 -0.13 0.00	3.48 -0.15 0.00	11.40 -0.73 0.00	12.53 -0.95 0.00	16.10 -1.19 0.00	16.81 -1.36 0.00	29.40 -2.52 0.00	62.89 -4.27 0.00	25.12 -1.63 0.69	25.46 -0.72 0.00	16.49 -0.77 0.05	15.90 -0.76 0.20
OSWEGATCHIE___HYD 24044	15.30 -0.66 0.00	15.64 -0.73 0.00	11.05 -0.57 0.00	10.75 -0.54 0.00	13.17 -0.64 0.00	18.86 -0.93 0.00	17.83 -0.89 0.00	17.99 -1.00 0.00	14.30 -0.88 0.00	13.83 -0.90 0.00	13.19 -0.89 0.00	2.97 -0.21 0.00	2.64 -0.19 0.00	3.40 -0.24 0.00	11.35 -0.78 0.00	12.72 -0.76 0.00	16.36 -0.93 0.00	17.57 -0.60 0.00	31.04 -0.88 0.00	65.69 -1.48 0.00	26.67 -0.76 0.00	25.34 -0.84 0.00	16.56 -0.76 0.00	16.19 -0.68 0.00
OSWEGO___5 23606	15.59 -0.37 0.00	15.97 -0.40 0.00	11.34 -0.29 0.00	11.01 -0.28 0.00	13.47 -0.34 0.00	19.33 -0.45 0.00	18.32 -0.41 0.00	18.57 -0.43 0.00	14.78 -0.39 0.00	14.35 -0.38 0.00	13.71 -0.36 0.00	3.11 -0.08 0.00	2.76 -0.07 0.00	3.55 -0.09 0.00	11.80 -0.33 0.00	13.12 -0.36 0.00	16.85 -0.44 0.00	17.72 -0.45 0.00	31.14 -0.78 0.00	65.72 -1.45 0.00	26.84 -0.59 0.00	25.65 -0.53 0.00	16.91 -0.41 0.00	16.47 -0.39 0.00
OSWEGO___6 23613	15.59 -0.37 0.00	15.97 -0.40 0.00	11.34 -0.29 0.00	11.01 -0.28 0.00	13.47 -0.34 0.00	19.33 -0.45 0.00	18.32 -0.41 0.00	18.57 -0.43 0.00	14.78 -0.39 0.00	14.35 -0.38 0.00	13.71 -0.36 0.00	3.11 -0.08 0.00	2.76 -0.07 0.00	3.55 -0.09 0.00	11.80 -0.33 0.00	13.12 -0.36 0.00	16.85 -0.44 0.00	17.72 -0.45 0.00	31.14 -0.78 0.00	65.72 -1.45 0.00	26.84 -0.59 0.00	25.65 -0.53 0.00	16.91 -0.41 0.00	16.47 -0.39 0.00
OUTOKUMPU-AB___DRP 24206	14.56 -1.25 0.16	14.99 -1.37 0.02	10.37 -1.00 0.25	10.31 -0.98 0.00	12.43 -1.27 0.12	13.78 -1.60 4.40	14.43 -1.53 2.77	16.42 -1.42 1.15	13.98 -1.16 0.03	13.71 -1.01 0.00	13.12 -0.96 0.00	3.05 -0.14 0.00	2.76 -0.06 0.00	3.57 -0.07 0.00	11.59 -0.54 0.00	12.65 -0.83 0.00	16.17 -1.12 0.00	16.82 -1.35 0.00	29.38 -2.54 0.00	62.66 -4.51 0.00	24.40 -1.88 1.16	25.17 -1.02 0.00	16.16 -1.06 0.09	15.57 -0.96 0.33



OXBOW___BTM 323836	14.32 -1.48 0.16	14.76 -1.59 0.02	10.20 -1.16 0.26	10.15 -1.13 0.00	12.22 -1.48 0.12	13.43 -1.89 4.46	14.16 -1.76 2.81	16.15 -1.68 1.17	13.78 -1.36 0.03	13.51 -1.22 0.00	12.93 -1.15 0.00	3.01 -0.17 0.00	2.74 -0.09 0.00	3.53 -0.10 0.00	11.46 -0.67 0.00	12.47 -1.01 0.00	15.92 -1.36 0.00	16.56 -1.61 0.00	28.91 -3.01 0.00	61.61 -5.55 0.00	23.97 -2.29 1.18	24.76 -1.42 0.00	15.91 -1.32 0.09	15.33 -1.20 0.34
OXBOW____ 24026	14.32 -1.48 0.16	14.76 -1.60 0.02	10.20 -1.17 0.26	10.15 -1.13 0.00	12.23 -1.47 0.12	13.43 -1.88 4.46	14.13 -1.78 2.81	16.15 -1.68 1.17	13.77 -1.37 0.03	13.50 -1.22 0.00	12.93 -1.15 0.00	3.01 -0.17 0.00	2.74 -0.09 0.00	3.53 -0.10 0.00	11.46 -0.67 0.00	12.47 -1.01 0.00	15.92 -1.36 0.00	16.56 -1.61 0.00	28.91 -3.01 0.00	61.62 -5.55 0.00	23.96 -2.30 1.18	24.76 -1.42 0.00	15.91 -1.32 0.09	15.32 -1.21 0.34
OXY_CHEM_DSASP 323612	14.07 -1.73 0.16	14.52 -1.83 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.03 -1.66 0.12	13.08 -2.17 4.53	13.82 -2.06 2.85	15.84 -1.97 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.81 0.00	12.28 -1.20 0.00	15.65 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.50 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.62 -1.60 0.09	15.06 -1.46 0.34
OZONE_PARK_ESR 323760	17.10 1.14 0.00	17.48 1.11 0.00	12.46 0.84 0.00	12.09 0.80 0.00	14.83 1.02 0.00	21.16 1.37 0.00	20.13 1.40 0.00	20.50 1.51 0.00	16.38 1.21 0.00	16.25 1.25 -0.28	16.83 1.19 -1.56	7.94 0.26 -4.50	16.15 0.22 -13.11	14.70 0.26 -10.80	16.69 0.90 -3.66	17.30 1.03 -2.79	19.24 1.33 -0.62	19.48 1.31 0.00	34.06 2.14 0.00	72.63 5.10 -0.36	29.53 2.10 0.00	27.91 1.73 0.00	18.52 1.21 0.00	18.06 1.19 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	14.07 -1.73 0.16	14.52 -1.83 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.03 -1.66 0.12	13.08 -2.17 4.53	13.82 -2.06 2.85	15.84 -1.97 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.81 0.00	12.28 -1.20 0.00	15.65 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.50 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.62 -1.60 0.09	15.06 -1.46 0.34
PACKARD__115KV_DUPONT_184 80571	14.07 -1.73 0.16	14.52 -1.83 0.02	10.04 -1.33 0.26	9.99 -1.29 0.00	12.03 -1.66 0.12	13.08 -2.17 4.53	13.82 -2.06 2.85	15.84 -1.97 1.19	13.56 -1.58 0.03	13.28 -1.44 0.00	12.72 -1.36 0.00	2.97 -0.21 0.00	2.71 -0.12 0.00	3.49 -0.14 0.00	11.32 -0.81 0.00	12.28 -1.20 0.00	15.65 -1.63 0.00	16.27 -1.90 0.00	28.41 -3.51 0.00	60.50 -6.67 0.00	23.49 -2.75 1.20	24.33 -1.85 0.00	15.62 -1.60 0.09	15.06 -1.46 0.34
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	16.92 0.96 0.00	17.31 0.94 0.00	12.34 0.71 0.00	11.98 0.69 0.00	14.69 0.87 0.00	20.92 1.14 0.00	19.94 1.22 0.00	20.31 1.32 0.00	16.23 1.06 0.00	15.78 1.05 0.00	15.23 1.01 -0.15	5.69 0.22 -2.29	16.25 0.18 -13.24	14.76 0.22 -10.91	16.59 0.76 -3.69	17.16 0.86 -2.81	19.03 1.12 -0.63	19.28 1.11 0.00	33.68 1.76 0.00	71.72 4.19 -0.36	29.20 1.76 0.00	27.61 1.43 0.00	18.35 1.04 0.00	17.87 1.01 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	16.92 0.96 0.00	17.31 0.94 0.00	12.34 0.72 0.00	11.98 0.69 0.00	14.69 0.87 0.00	20.92 1.14 0.00	19.94 1.22 0.00	20.31 1.32 0.00	16.23 1.06 0.00	15.78 1.05 0.00	15.23 1.01 -0.15	5.69 0.22 -2.29	16.25 0.18 -13.24	14.76 0.22 -10.91	16.59 0.76 -3.69	17.16 0.86 -2.81	19.03 1.12 -0.63	19.28 1.11 0.00	33.68 1.76 0.00	71.72 4.19 -0.36	29.20 1.76 0.00	27.62 1.44 0.00	18.35 1.04 0.00	17.87 1.01 0.00
PATROON__115KV_TB1 80586	16.18 0.21 0.00	16.59 0.22 0.00	11.80 0.18 0.00	11.47 0.18 0.00	14.04 0.23 0.00	20.06 0.28 0.00	19.09 0.36 0.00	19.31 0.32 0.00	15.42 0.25 0.00	14.93 0.21 0.00	14.30 0.23 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.29 0.16 0.00	13.68 0.20 0.00	17.46 0.17 0.00	18.32 0.15 0.00	32.16 0.24 0.00	68.11 0.95 0.00	27.84 0.40 0.00	26.44 0.26 0.00	17.52 0.20 0.00	17.06 0.19 0.00
PATTRSNVILLE__SOLAR 323815	16.51 0.54 0.00	16.91 0.55 0.00	12.02 0.40 0.00	11.67 0.39 0.00	14.30 0.48 0.00	20.51 0.72 0.00	19.46 0.74 0.00	19.68 0.68 0.00	15.60 0.43 0.00	15.10 0.37 0.00	14.41 0.33 0.00	3.26 0.07 0.00	2.89 0.06 0.00	3.71 0.07 0.00	12.41 0.28 0.00	13.82 0.34 0.00	17.74 0.46 0.00	18.63 0.46 0.00	32.96 1.04 0.00	69.73 2.56 0.00	28.51 1.07 0.00	27.16 0.99 0.00	17.88 0.56 0.00	17.41 0.55 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	15.16 -0.66 0.14	15.58 -0.77 0.01	10.78 -0.62 0.22	10.68 -0.61 0.00	12.89 -0.82 0.10	14.91 -0.99 3.88	15.22 -1.06 2.44	17.07 -0.91 1.01	14.36 -0.78 0.03	14.14 -0.58 0.00	13.56 -0.51 0.00	3.13 -0.06 0.00	2.82 -0.01 0.00	3.64 0.00 0.00	11.88 -0.25 0.00	13.06 -0.42 0.00	16.74 -0.54 0.00	17.41 -0.76 0.00	30.34 -1.58 0.00	64.76 -2.41 0.00	25.38 -1.04 1.02	25.88 -0.30 0.00	16.75 -0.48 0.08	16.16 -0.42 0.29
PAWLING_115_KV_BK3_REV_LBMP_H 345028	17.02 1.06 0.00	17.41 1.04 0.00	12.40 0.78 0.00	12.05 0.76 0.00	14.76 0.95 0.00	21.14 1.35 0.00	20.10 1.37 0.00	20.44 1.44 0.00	16.27 1.10 0.00	15.81 1.09 0.00	15.09 1.02 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.85 0.22 0.00	12.88 0.75 0.00	14.35 0.87 0.00	18.44 1.16 0.00	19.34 1.17 0.00	33.93 2.01 0.00	71.98 4.81 0.00	29.42 1.99 0.00	27.89 1.70 0.00	18.43 1.12 0.00	17.96 1.09 0.00
PEEKSKILL____ 23653	16.86 0.90 0.00	17.25 0.88 0.00	12.29 0.67 0.00	11.94 0.65 0.00	14.62 0.81 0.00	20.89 1.11 0.00	19.84 1.12 0.00	20.17 1.18 0.00	16.10 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.19 0.00	12.81 0.68 0.00	14.26 0.78 0.00	18.31 1.02 0.00	19.16 0.99 0.00	33.55 1.63 0.00	71.09 3.92 0.00	29.05 1.62 0.00	27.52 1.34 0.00	18.23 0.92 0.00	17.79 0.93 0.00
PGE MADISON__WINDPWR 24146	17.14 1.18 0.00	17.46 1.09 0.00	12.31 0.69 0.00	11.84 0.55 0.00	14.44 0.63 0.00	20.76 0.97 0.00	19.77 1.04 0.00	19.98 0.98 0.00	15.74 0.57 0.00	15.18 0.46 0.00	14.46 0.38 0.00	3.24 0.05 0.00	2.88 0.05 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.67 0.19 0.00	17.65 0.36 0.00	18.83 0.66 0.00	33.51 1.59 0.00	71.50 4.34 0.00	29.14 1.70 0.00	27.82 1.64 0.00	18.04 0.73 0.00	18.05 1.19 0.00
PIERCEFIELD__HYD 23852	15.28 -0.69 0.00	15.67 -0.70 0.00	11.08 -0.54 0.00	10.77 -0.51 0.00	13.22 -0.60 0.00	18.91 -0.88 0.00	17.85 -0.87 0.00	18.06 -0.93 0.00	14.42 -0.75 0.00	13.93 -0.79 0.00	13.31 -0.76 0.00	3.01 -0.17 0.00	2.68 -0.15 0.00	3.45 -0.18 0.00	11.56 -0.57 0.00	12.87 -0.61 0.00	16.55 -0.74 0.00	17.58 -0.59 0.00	31.06 -0.86 0.00	65.02 -2.15 0.00	26.48 -0.96 0.00	25.21 -0.97 0.00	16.58 -0.73 0.00	16.13 -0.74 0.00



PINELAWN_CC_1 323563	17.02 1.06 0.00	17.43 1.07 0.00	12.50 0.87 0.00	12.13 0.84 0.00	14.79 0.98 0.00	21.02 1.24 0.00	19.97 1.25 0.00	20.28 1.28 0.00	16.16 0.98 0.00	15.87 1.14 0.00	15.17 1.09 0.00	3.41 0.22 0.00	3.01 0.18 0.00	3.84 0.21 0.00	12.85 0.72 0.00	14.27 0.79 0.00	18.49 1.20 0.00	19.29 1.11 0.00	33.62 1.70 0.00	71.28 4.11 0.00	29.10 1.67 0.00	27.68 1.50 0.00	18.45 1.14 0.00	18.05 1.18 0.00
PJM_GEN_HTP_PROXY 323702	16.97 1.00 0.00	17.35 0.98 0.00	12.37 0.75 0.00	12.01 0.72 0.00	14.73 0.91 0.00	21.02 1.24 0.00	14.58 1.25 5.39	20.33 1.34 0.00	14.83 1.06 1.40	16.11 1.12 -0.28	16.69 1.06 -1.55	7.86 0.23 -4.45	15.96 0.19 -12.95	14.53 0.23 -10.67	16.54 0.80 -3.61	17.14 0.91 -2.75	19.07 1.17 -0.61	19.31 1.14 0.00	33.76 1.84 0.00	72.01 4.48 -0.35	29.26 1.82 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.04 0.00
PJM_GEN_KEystone 24065	16.03 0.12 0.05	16.44 0.07 0.00	11.59 0.05 0.08	11.34 0.05 0.00	13.80 0.03 0.04	26.46 0.07 -6.60	1.32 0.01 17.41	18.75 0.13 0.37	13.80 0.04 1.41	14.91 0.17 -0.02	14.38 0.19 -0.11	3.56 0.06 -0.31	3.81 0.06 -0.92	4.47 0.08 -0.76	12.56 0.18 -0.26	13.85 0.17 -0.19	17.56 0.23 -0.04	18.27 0.10 0.00	31.96 0.04 0.00	67.81 0.62 -0.03	27.26 0.19 0.38	26.55 0.37 0.00	17.46 0.18 0.03	16.98 0.22 0.11
PJM_GEN_NEPTUNE_PROXY 323594	16.87 0.90 0.00	17.27 0.90 0.00	12.37 0.75 0.00	12.01 0.73 0.00	14.66 0.84 0.00	20.84 1.05 0.00	14.39 1.06 5.39	20.08 1.09 0.00	14.63 0.86 1.40	15.74 1.02 0.00	15.05 0.97 0.00	3.39 0.20 0.00	2.99 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.22 0.74 0.00	18.38 1.09 0.00	19.14 0.98 0.00	33.35 1.44 0.00	70.68 3.52 0.00	28.86 1.42 0.00	27.44 1.26 0.00	18.28 0.97 0.00	17.88 1.01 0.00
PJM_GEN_VFT_PROXY 323633	16.90 0.94 0.00	17.28 0.91 0.00	12.32 0.70 0.00	11.96 0.68 0.00	14.67 0.86 0.00	20.94 1.15 0.00	14.50 1.16 5.39	20.24 1.25 0.00	14.76 0.98 1.40	16.04 1.04 -0.28	16.63 0.99 -1.57	7.90 0.21 -4.50	16.11 0.18 -13.11	14.65 0.21 -10.80	16.53 0.74 -3.66	17.12 0.86 -2.79	19.01 1.10 -0.62	19.23 1.06 0.00	33.62 1.70 0.00	71.66 4.13 -0.36	29.12 1.68 0.00	27.51 1.33 0.00	18.27 0.96 0.00	17.83 0.97 0.00
PLATSBURG_115KV_PMLD1 355749	15.38 -0.58 0.00	15.65 -0.72 0.00	11.09 -0.53 0.00	10.81 -0.48 0.00	13.43 -0.39 0.00	19.45 -0.34 0.00	18.17 -0.56 0.00	18.39 -0.60 0.00	14.58 -0.59 0.00	13.90 -0.82 0.00	13.31 -0.77 0.00	3.00 -0.18 0.00	2.66 -0.17 0.00	3.47 -0.16 0.00	11.72 -0.41 0.00	13.00 -0.48 0.00	16.76 -0.52 0.00	18.23 0.06 0.00	33.36 1.44 0.00	70.23 3.06 0.00	28.44 1.00 0.00	26.49 0.31 0.00	16.81 -0.50 0.00	16.31 -0.56 0.00
PLEASANTVLY___LBMP 24000	16.71 0.75 0.00	17.10 0.73 0.00	12.19 0.57 0.00	11.83 0.55 0.00	14.49 0.68 0.00	20.73 0.94 0.00	19.70 0.97 0.00	20.01 1.02 0.00	15.96 0.78 0.00	15.52 0.80 0.00	14.84 0.76 0.00	3.35 0.16 0.00	2.96 0.13 0.00	3.79 0.15 0.00	12.67 0.54 0.00	14.11 0.63 0.00	18.10 0.82 0.00	18.96 0.79 0.00	33.22 1.30 0.00	70.43 3.26 0.00	28.80 1.36 0.00	27.30 1.12 0.00	18.06 0.75 0.00	17.62 0.76 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	16.86 0.90 0.00	17.25 0.88 0.00	12.29 0.67 0.00	11.93 0.65 0.00	14.62 0.81 0.00	20.90 1.12 0.00	19.86 1.14 0.00	20.19 1.19 0.00	16.11 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.25 0.77 0.00	18.30 1.01 0.00	19.15 0.98 0.00	33.54 1.62 0.00	71.09 3.92 0.00	29.07 1.63 0.00	27.53 1.35 0.00	18.23 0.92 0.00	17.79 0.92 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	16.86 0.90 0.00	17.25 0.88 0.00	12.29 0.67 0.00	11.93 0.65 0.00	14.62 0.81 0.00	20.90 1.12 0.00	19.86 1.14 0.00	20.19 1.19 0.00	16.11 0.93 0.00	15.69 0.96 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.25 0.77 0.00	18.30 1.01 0.00	19.15 0.98 0.00	33.54 1.62 0.00	71.09 3.92 0.00	29.07 1.63 0.00	27.53 1.35 0.00	18.23 0.92 0.00	17.79 0.92 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	17.07 1.10 0.00	17.46 1.09 0.00	12.44 0.81 0.00	12.08 0.79 0.00	14.79 0.98 0.00	21.20 1.42 0.00	20.16 1.44 0.00	20.50 1.51 0.00	16.29 1.12 0.00	15.79 1.07 0.00	15.05 0.98 0.00	3.39 0.21 0.00	3.00 0.17 0.00	3.84 0.21 0.00	12.85 0.72 0.00	14.31 0.83 0.00	18.44 1.15 0.00	19.36 1.19 0.00	34.07 2.15 0.00	72.32 5.16 0.00	29.58 2.14 0.00	28.05 1.87 0.00	18.51 1.20 0.00	18.03 1.16 0.00
POLETTI____ 23519	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.72 0.90 0.00	20.97 1.19 0.00	19.94 1.22 0.00	20.30 1.30 0.00	16.23 1.06 0.00	16.11 1.11 -0.28	16.70 1.06 -1.56	7.91 0.23 -4.50	16.13 0.19 -13.11	14.66 0.23 -10.80	16.59 0.80 -3.66	17.18 0.91 -2.79	19.07 1.16 -0.62	19.30 1.13 0.00	33.71 1.79 0.00	71.86 4.33 -0.36	29.21 1.77 0.00	27.59 1.41 0.00	18.34 1.02 0.00	17.90 1.03 0.00
POMONA___ESR 323819	16.84 0.87 0.00	17.22 0.85 0.00	12.27 0.64 0.00	11.91 0.62 0.00	14.58 0.77 0.00	20.87 1.08 0.00	19.78 1.06 0.00	20.12 1.12 0.00	16.03 0.86 0.00	15.62 0.90 0.00	14.94 0.86 0.00	3.37 0.19 0.00	2.98 0.15 0.00	3.81 0.18 0.00	12.77 0.64 0.00	14.24 0.76 0.00	18.28 1.00 0.00	19.12 0.95 0.00	33.52 1.60 0.00	70.93 3.76 0.00	28.97 1.53 0.00	27.48 1.30 0.00	18.20 0.89 0.00	17.77 0.91 0.00
PORT_JEFF_3 23555	17.07 1.11 0.00	17.50 1.14 0.00	12.56 0.94 0.00	12.20 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.06 1.33 0.00	20.35 1.36 0.00	16.18 1.00 0.00	15.94 1.21 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.64 1.72 0.00	71.27 4.11 0.00	29.10 1.67 0.00	27.74 1.55 0.00	18.54 1.23 0.00	18.15 1.29 0.00
PORT_JEFF_4 23616	17.07 1.11 0.00	17.50 1.14 0.00	12.56 0.94 0.00	12.20 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.06 1.33 0.00	20.35 1.36 0.00	16.18 1.00 0.00	15.94 1.21 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.22 0.00	19.30 1.13 0.00	33.64 1.72 0.00	71.27 4.11 0.00	29.10 1.67 0.00	27.74 1.55 0.00	18.54 1.23 0.00	18.15 1.29 0.00
PORT_JEFF_IC 23713	17.08 1.12 0.00	17.51 1.14 0.00	12.56 0.94 0.00	12.20 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.06 1.33 0.00	20.35 1.36 0.00	16.16 0.98 0.00	15.92 1.20 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.27 0.79 0.00	18.51 1.23 0.00	19.31 1.14 0.00	33.65 1.74 0.00	71.21 4.04 0.00	29.09 1.65 0.00	27.76 1.58 0.00	18.56 1.24 0.00	18.16 1.30 0.00



PPL PILGRIM_ST_GT1 24216	17.10 1.14 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.14 1.36 0.00	20.08 1.36 0.00	20.37 1.38 0.00	16.23 1.06 0.00	15.96 1.24 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.86 0.23 0.00	12.91 0.78 0.00	14.32 0.84 0.00	18.57 1.28 0.00	19.36 1.19 0.00	33.73 1.81 0.00	71.50 4.33 0.00	29.19 1.75 0.00	27.77 1.59 0.00	18.54 1.22 0.00	18.15 1.28 0.00
PPL PILGRIM_ST_GT2 24217	17.10 1.14 0.00	17.52 1.15 0.00	12.57 0.95 0.00	12.21 0.92 0.00	14.88 1.07 0.00	21.14 1.36 0.00	20.08 1.36 0.00	20.37 1.38 0.00	16.23 1.06 0.00	15.96 1.24 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.03 0.20 0.00	3.86 0.23 0.00	12.91 0.78 0.00	14.32 0.84 0.00	18.57 1.28 0.00	19.36 1.19 0.00	33.73 1.81 0.00	71.50 4.33 0.00	29.19 1.75 0.00	27.77 1.59 0.00	18.54 1.22 0.00	18.15 1.28 0.00
PPL_SHRM_GT3 24213	17.00 1.03 0.00	17.43 1.06 0.00	12.52 0.90 0.00	12.15 0.86 0.00	14.82 1.00 0.00	21.03 1.25 0.00	19.95 1.23 0.00	20.27 1.28 0.00	16.15 0.98 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.80 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.54 0.00	71.16 3.99 0.00	29.06 1.62 0.00	27.61 1.43 0.00	18.52 1.21 0.00	18.17 1.30 0.00
PPL_SHRM_GT4 24214	17.00 1.03 0.00	17.43 1.06 0.00	12.52 0.90 0.00	12.15 0.86 0.00	14.82 1.00 0.00	21.03 1.25 0.00	19.95 1.23 0.00	20.27 1.28 0.00	16.15 0.98 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.80 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.54 0.00	71.16 3.99 0.00	29.06 1.62 0.00	27.61 1.43 0.00	18.52 1.21 0.00	18.17 1.30 0.00
PROJECT___ORANGE 1 24174	15.83 -0.13 0.00	16.22 -0.15 0.00	11.51 -0.11 0.00	11.17 -0.11 0.00	13.68 -0.14 0.00	19.63 -0.15 0.00	18.60 -0.12 0.00	18.91 -0.09 0.00	15.06 -0.11 0.00	14.62 -0.10 0.00	13.97 -0.10 0.00	3.17 -0.02 0.00	2.81 -0.02 0.00	3.62 -0.02 0.00	12.00 -0.13 0.00	13.36 -0.12 0.00	17.18 -0.11 0.00	18.07 -0.10 0.00	31.75 -0.17 0.00	67.12 -0.05 0.00	27.42 -0.02 0.00	26.21 0.03 0.00	17.24 -0.07 0.00	16.79 -0.07 0.00
PROJECT___ORANGE 2 24166	15.83 -0.13 0.00	16.22 -0.15 0.00	11.51 -0.11 0.00	11.17 -0.11 0.00	13.68 -0.14 0.00	19.63 -0.15 0.00	18.60 -0.12 0.00	18.91 -0.09 0.00	15.06 -0.11 0.00	14.62 -0.10 0.00	13.97 -0.10 0.00	3.17 -0.02 0.00	2.81 -0.02 0.00	3.62 -0.02 0.00	12.00 -0.13 0.00	13.36 -0.12 0.00	17.18 -0.11 0.00	18.07 -0.10 0.00	31.75 -0.17 0.00	67.12 -0.05 0.00	27.42 -0.02 0.00	26.21 0.03 0.00	17.24 -0.07 0.00	16.79 -0.07 0.00
PUCKETT___SOLAR 323809	16.38 0.42 0.00	16.74 0.38 0.00	11.85 0.23 0.00	11.45 0.17 0.00	14.00 0.19 0.00	20.08 0.29 0.00	19.03 0.31 0.00	19.35 0.35 0.00	15.31 0.14 0.00	14.90 0.18 0.00	14.22 0.14 0.00	3.20 0.02 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.24 0.11 0.00	13.58 0.10 0.00	17.30 0.01 0.00	18.30 0.12 0.00	32.25 0.33 0.00	68.49 1.32 0.00	27.94 0.50 0.00	26.76 0.58 0.00	17.59 0.28 0.00	17.28 0.41 0.00
PYRITES___HYD 24023	15.68 -0.28 0.00	16.09 -0.28 0.00	11.38 -0.24 0.00	11.06 -0.22 0.00	13.57 -0.24 0.00	19.42 -0.36 0.00	18.37 -0.35 0.00	18.56 -0.44 0.00	14.75 -0.43 0.00	14.25 -0.48 0.00	13.58 -0.49 0.00	3.08 -0.11 0.00	2.74 -0.09 0.00	3.53 -0.11 0.00	11.81 -0.32 0.00	13.19 -0.29 0.00	17.02 -0.26 0.00	18.06 -0.11 0.00	31.87 -0.05 0.00	66.66 -0.51 0.00	27.16 -0.28 0.00	25.90 -0.28 0.00	17.05 -0.26 0.00	16.55 -0.31 0.00
QUAKERRD_115KV_BK1 80622	14.57 -1.12 0.27	15.16 -1.19 0.02	10.33 -0.87 0.42	10.44 -0.85 0.00	12.56 -1.06 0.20	11.05 -1.31 7.42	12.86 -1.20 4.66	15.89 -1.15 1.95	14.14 -0.98 0.05	13.81 -0.91 0.00	13.22 -0.86 0.00	3.03 -0.15 0.00	2.72 -0.10 0.00	3.51 -0.12 0.00	11.57 -0.56 0.00	12.73 -0.75 0.00	16.34 -0.94 0.00	17.09 -1.07 0.00	29.94 -1.98 0.00	63.51 -3.66 0.00	23.94 -1.52 1.98	25.18 -1.01 0.00	16.20 -0.96 0.15	15.38 -0.92 0.56
QUENSBRY_115KV_TB8 356137	16.40 0.43 0.00	16.76 0.39 0.00	11.95 0.32 0.00	11.61 0.32 0.00	14.26 0.45 0.00	20.60 0.82 0.00	19.60 0.88 0.00	19.82 0.83 0.00	15.68 0.51 0.00	15.07 0.34 0.00	14.32 0.24 0.00	3.22 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.23 0.10 0.00	13.65 0.17 0.00	17.67 0.38 0.00	18.70 0.53 0.00	33.02 1.10 0.00	70.20 3.04 0.00	28.70 1.26 0.00	27.21 1.03 0.00	17.76 0.45 0.00	17.22 0.36 0.00
RAMAPO___LBMP 323565	16.78 0.81 0.00	17.16 0.80 0.00	12.23 0.61 0.00	11.87 0.58 0.00	14.53 0.71 0.00	20.80 1.01 0.00	19.71 0.99 0.00	20.04 1.05 0.00	15.97 0.80 0.00	15.55 0.83 0.00	14.87 0.80 0.00	3.36 0.17 0.00	2.97 0.14 0.00	3.80 0.17 0.00	12.72 0.59 0.00	14.18 0.70 0.00	18.21 0.92 0.00	19.05 0.88 0.00	33.38 1.46 0.00	70.62 3.46 0.00	28.85 1.41 0.00	27.38 1.20 0.00	18.14 0.82 0.00	17.71 0.85 0.00
RANKINE____ 23646	14.86 -0.96 0.14	15.28 -1.07 0.01	10.57 -0.83 0.23	10.47 -0.82 0.00	12.64 -1.07 0.11	14.50 -1.32 3.97	14.91 -1.32 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.90 -0.82 0.00	13.31 -0.77 0.00	3.08 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.82 -0.66 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.80 -2.12 0.00	63.69 -3.48 0.00	24.94 -1.46 1.05	25.54 -0.64 0.00	16.47 -0.76 0.08	15.88 -0.69 0.30
RAVENSWOOD_GT2_1 24244	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.32 0.00	16.23 1.05 0.00	16.10 1.10 -0.28	16.70 1.04 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.22 1.78 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD_GT2_2 24245	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.32 0.00	16.23 1.05 0.00	16.10 1.10 -0.28	16.70 1.04 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.22 1.78 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD_GT2_3 24246	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.71 1.05 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.77 0.23 -10.91	16.61 0.79 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.14 0.00	33.74 1.82 0.00	71.89 4.36 -0.36	29.24 1.80 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.03 0.00



RAVENSWOOD_GT2_4 24247	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.06 0.00	16.10 1.10 -0.28	16.71 1.05 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.77 0.23 -10.91	16.61 0.79 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.14 0.00	33.74 1.82 0.00	71.89 4.36 -0.36	29.24 1.80 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.03 0.00
RAVENSWOOD_GT3_1 24248	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.76 0.23 -10.91	16.61 0.79 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.80 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.03 0.00
RAVENSWOOD_GT3_2 24249	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.96 1.23 0.00	20.31 1.32 0.00	16.23 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.76 0.23 -10.91	16.61 0.79 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.80 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.03 0.00
RAVENSWOOD_GT3_3 24250	16.97 1.01 0.00	17.36 0.99 0.00	12.37 0.75 0.00	12.01 0.73 0.00	14.73 0.92 0.00	21.01 1.23 0.00	19.98 1.26 0.00	20.34 1.34 0.00	16.25 1.07 0.00	16.13 1.12 -0.28	16.73 1.07 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.78 0.23 -10.91	16.63 0.81 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.33 1.16 0.00	33.79 1.87 0.00	72.00 4.47 -0.36	29.27 1.84 0.00	27.67 1.49 0.00	18.37 1.05 0.00	17.92 1.05 0.00
RAVENSWOOD_GT3_4 24251	16.97 1.01 0.00	17.36 0.99 0.00	12.37 0.75 0.00	12.01 0.73 0.00	14.73 0.92 0.00	21.01 1.23 0.00	19.98 1.26 0.00	20.34 1.34 0.00	16.25 1.07 0.00	16.13 1.12 -0.28	16.73 1.07 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.78 0.23 -10.91	16.63 0.81 -3.69	17.22 0.92 -2.81	19.10 1.19 -0.63	19.33 1.16 0.00	33.79 1.87 0.00	72.00 4.47 -0.36	29.27 1.84 0.00	27.67 1.49 0.00	18.37 1.05 0.00	17.92 1.05 0.00
RAVENSWOOD_GT_1 23729	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.93 0.00	21.02 1.23 0.00	20.01 1.28 0.00	20.37 1.37 0.00	16.28 1.11 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.12 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.04 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
RAVENSWOOD_GT_10 24258	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.22 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.79 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD_GT_11 24259	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.22 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.79 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD_GT_4 24252	16.95 0.98 0.00	17.33 0.96 0.00	12.35 0.73 0.00	11.99 0.71 0.00	14.71 0.89 0.00	20.98 1.20 0.00	19.95 1.22 0.00	20.30 1.30 0.00	16.21 1.04 0.00	16.09 1.09 -0.28	16.70 1.04 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.60 0.78 -3.69	17.18 0.90 -2.81	19.06 1.15 -0.63	19.29 1.12 0.00	33.72 1.80 0.00	71.88 4.34 -0.36	29.22 1.78 0.00	27.62 1.44 0.00	18.33 1.02 0.00	17.89 1.02 0.00
RAVENSWOOD_GT_5 24254	16.95 0.98 0.00	17.33 0.96 0.00	12.35 0.73 0.00	11.99 0.71 0.00	14.71 0.89 0.00	20.98 1.20 0.00	19.95 1.22 0.00	20.30 1.30 0.00	16.21 1.04 0.00	16.09 1.09 -0.28	16.70 1.04 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.60 0.78 -3.69	17.18 0.90 -2.81	19.06 1.15 -0.63	19.29 1.12 0.00	33.72 1.80 0.00	71.88 4.34 -0.36	29.22 1.78 0.00	27.62 1.44 0.00	18.33 1.02 0.00	17.89 1.02 0.00
RAVENSWOOD_GT_6 24253	16.95 0.98 0.00	17.33 0.96 0.00	12.35 0.73 0.00	11.99 0.71 0.00	14.71 0.89 0.00	20.98 1.20 0.00	19.95 1.22 0.00	20.30 1.30 0.00	16.21 1.04 0.00	16.09 1.09 -0.28	16.70 1.04 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.60 0.78 -3.69	17.18 0.90 -2.81	19.06 1.15 -0.63	19.29 1.12 0.00	33.72 1.80 0.00	71.88 4.34 -0.36	29.22 1.78 0.00	27.62 1.44 0.00	18.33 1.02 0.00	17.89 1.02 0.00
RAVENSWOOD_GT_7 24255	16.95 0.98 0.00	17.33 0.96 0.00	12.35 0.73 0.00	11.99 0.71 0.00	14.71 0.89 0.00	20.98 1.20 0.00	19.95 1.22 0.00	20.30 1.30 0.00	16.21 1.04 0.00	16.09 1.09 -0.28	16.70 1.04 -1.58	7.95 0.22 -4.55	16.25 0.19 -13.24	14.76 0.22 -10.91	16.60 0.78 -3.69	17.18 0.90 -2.81	19.06 1.15 -0.63	19.29 1.12 0.00	33.72 1.80 0.00	71.88 4.34 -0.36	29.22 1.78 0.00	27.62 1.44 0.00	18.33 1.02 0.00	17.89 1.02 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.22 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.79 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD_GT_9 24257	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.71 0.90 0.00	20.98 1.20 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.22 1.05 0.00	16.10 1.10 -0.28	16.70 1.05 -1.58	7.96 0.23 -4.55	16.25 0.19 -13.24	14.76 0.23 -10.91	16.61 0.78 -3.69	17.19 0.90 -2.81	19.07 1.16 -0.63	19.30 1.13 0.00	33.73 1.81 0.00	71.89 4.36 -0.36	29.23 1.79 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.89 1.03 0.00
RAVENSWOOD___I 23533	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.94 0.00	21.02 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.10 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.13 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.03 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00



RAVENSWOOD___2 23534	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.94 0.00	21.02 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.10 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.13 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.03 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
RAVENSWOOD___3 23535	16.96 0.99 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.72 0.00	14.71 0.90 0.00	20.99 1.21 0.00	19.95 1.23 0.00	20.31 1.31 0.00	16.23 1.05 0.00	16.10 1.10 -0.28	16.71 1.05 -1.58	7.96 0.23 -4.55	16.26 0.19 -13.24	14.77 0.23 -10.91	16.61 0.79 -3.69	17.19 0.90 -2.81	19.08 1.16 -0.63	19.30 1.13 0.00	33.74 1.82 0.00	71.91 4.38 -0.36	29.23 1.79 0.00	27.63 1.45 0.00	18.34 1.03 0.00	17.90 1.03 0.00
RAVENSWOOD___4 23820	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.94 0.00	21.02 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.28 1.10 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.13 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.03 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
RCPI_TRUST___DRP 24196	16.98 1.02 0.00	17.36 0.99 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.74 0.93 0.00	21.03 1.24 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.26 1.08 0.00	16.13 1.13 -0.28	16.71 1.08 -1.55	7.87 0.23 -4.45	16.00 0.19 -12.97	14.56 0.24 -10.69	16.57 0.82 -3.62	17.17 0.94 -2.76	19.10 1.20 -0.61	19.34 1.17 0.00	33.81 1.89 0.00	72.08 4.56 -0.35	29.30 1.86 0.00	27.67 1.49 0.00	18.36 1.05 0.00	17.92 1.06 0.00
RED___ROCHESTER 323720	14.97 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.85 -0.80 0.15	13.07 -0.92 5.79	14.28 -0.80 3.64	16.72 -0.75 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.07 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.89 -0.24 0.00	13.04 -0.43 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.08 -2.08 0.00	25.02 -0.88 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.90 -0.53 0.44
REGAN___SOLAR 323812	17.79 1.82 0.00	18.17 1.80 0.00	12.87 1.26 0.00	12.50 1.22 0.00	15.34 1.53 0.00	22.10 2.32 0.00	21.14 2.41 0.00	21.33 2.34 0.00	16.61 1.43 0.00	15.92 1.20 0.00	15.03 0.95 0.00	3.37 0.19 0.00	3.00 0.17 0.00	3.87 0.24 0.00	12.91 0.79 0.00	14.31 0.83 0.00	18.53 1.25 0.00	19.63 1.47 0.00	35.76 3.84 0.00	76.03 8.86 0.00	31.09 3.65 0.00	29.72 3.53 0.00	19.29 1.98 0.00	18.73 1.86 0.00
RENSSELAER___COGEN 23796	16.15 0.18 0.00	16.56 0.19 0.00	11.78 0.16 0.00	11.45 0.16 0.00	14.01 0.20 0.00	20.04 0.25 0.00	19.04 0.32 0.00	19.27 0.27 0.00	15.37 0.20 0.00	14.89 0.17 0.00	14.26 0.18 0.00	3.22 0.04 0.00	2.85 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.63 0.15 0.00	17.39 0.10 0.00	18.24 0.07 0.00	32.03 0.11 0.00	67.85 0.68 0.00	27.75 0.31 0.00	26.36 0.18 0.00	17.48 0.16 0.00	17.03 0.16 0.00
REPUBLIC_115KV_BARTNBRK 55605	16.77 0.80 0.00	17.01 0.64 0.00	12.19 0.57 0.00	11.84 0.56 0.00	14.62 0.81 0.00	21.33 1.54 0.00	20.33 1.61 0.00	20.50 1.51 0.00	16.11 0.94 0.00	15.34 0.62 0.00	14.49 0.41 0.00	3.24 0.06 0.00	2.86 0.03 0.00	3.67 0.04 0.00	12.30 0.17 0.00	13.84 0.35 0.00	18.11 0.82 0.00	19.30 1.13 0.00	34.18 2.26 0.00	72.97 5.81 0.00	29.82 2.38 0.00	28.13 1.95 0.00	18.10 0.79 0.00	17.44 0.58 0.00
REVERE_CPPR_DRP 24186	16.44 0.48 0.00	16.81 0.44 0.00	11.90 0.28 0.00	11.56 0.27 0.00	14.15 0.34 0.00	20.33 0.55 0.00	19.30 0.57 0.00	19.51 0.51 0.00	15.45 0.28 0.00	14.94 0.22 0.00	14.21 0.13 0.00	3.20 0.02 0.00	2.84 0.01 0.00	3.65 0.02 0.00	12.15 0.02 0.00	13.63 0.14 0.00	17.64 0.35 0.00	18.74 0.57 0.00	33.09 1.17 0.00	70.19 3.02 0.00	28.62 1.18 0.00	27.23 1.05 0.00	17.83 0.52 0.00	17.40 0.53 0.00
REYNOLDS_115KV_TB3 80639	16.27 0.31 0.00	16.70 0.33 0.00	11.89 0.26 0.00	11.54 0.26 0.00	14.13 0.32 0.00	20.22 0.44 0.00	19.19 0.47 0.00	19.45 0.45 0.00	15.50 0.33 0.00	15.02 0.29 0.00	14.37 0.29 0.00	3.24 0.06 0.00	2.87 0.05 0.00	3.68 0.05 0.00	12.32 0.19 0.00	13.72 0.24 0.00	17.54 0.26 0.00	18.42 0.25 0.00	32.34 0.42 0.00	68.47 1.30 0.00	28.00 0.56 0.00	26.61 0.43 0.00	17.61 0.30 0.00	17.16 0.30 0.00
RIVERBAY____ 323610	16.92 0.96 0.00	17.31 0.94 0.00	12.34 0.72 0.00	11.98 0.69 0.00	14.69 0.87 0.00	20.92 1.14 0.00	19.94 1.22 0.00	20.31 1.32 0.00	16.23 1.06 0.00	15.78 1.05 0.00	15.23 1.01 -0.15	5.69 0.22 -2.29	16.25 0.18 -13.24	14.76 0.22 -10.91	16.59 0.76 -3.69	17.16 0.86 -2.81	19.03 1.12 -0.63	19.28 1.11 0.00	33.68 1.76 0.00	71.72 4.19 -0.36	29.20 1.76 0.00	27.62 1.44 0.00	18.35 1.04 0.00	17.87 1.01 0.00
RIVERSDE_115KV_TB3 55908	16.16 0.20 0.00	16.59 0.22 0.00	11.80 0.18 0.00	11.47 0.18 0.00	14.03 0.22 0.00	20.06 0.28 0.00	19.07 0.34 0.00	19.30 0.31 0.00	15.40 0.23 0.00	14.91 0.19 0.00	14.29 0.21 0.00	3.23 0.05 0.00	2.86 0.03 0.00	3.67 0.03 0.00	12.27 0.14 0.00	13.66 0.18 0.00	17.43 0.14 0.00	18.29 0.12 0.00	32.09 0.18 0.00	67.98 0.81 0.00	27.79 0.35 0.00	26.41 0.23 0.00	17.49 0.18 0.00	17.05 0.18 0.00
ROARING___BROOK_WT_PWR 323790	15.55 -0.41 0.00	15.95 -0.42 0.00	11.31 -0.31 0.00	10.97 -0.31 0.00	13.41 -0.40 0.00	19.18 -0.61 0.00	18.12 -0.61 0.00	18.42 -0.58 0.00	14.79 -0.39 0.00	14.37 -0.35 0.00	13.72 -0.36 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.09 0.00	11.84 -0.29 0.00	13.14 -0.34 0.00	16.92 -0.37 0.00	17.89 -0.28 0.00	31.53 -0.39 0.00	66.41 -0.76 0.00	27.10 -0.34 0.00	25.81 -0.37 0.00	16.94 -0.37 0.00	16.62 -0.25 0.00
ROCHESRG_115KV_T4 355643	14.82 -0.93 0.21	15.36 -0.99 0.02	10.55 -0.74 0.33	10.56 -0.72 0.00	12.75 -0.91 0.15	12.88 -1.08 5.82	14.07 -0.99 3.66	16.53 -0.94 1.53	14.32 -0.80 0.04	13.99 -0.73 0.00	13.40 -0.68 0.00	3.08 -0.10 0.00	2.77 -0.06 0.00	3.57 -0.06 0.00	11.76 -0.37 0.00	12.92 -0.57 0.00	16.56 -0.73 0.00	17.30 -0.87 0.00	30.31 -1.62 0.00	64.33 -2.84 0.00	24.70 -1.20 1.54	25.56 -0.62 0.00	16.46 -0.73 0.12	15.74 -0.69 0.44
ROCHESTER_9_IC 23652	14.90 -0.86 0.21	15.43 -0.92 0.02	10.60 -0.69 0.33	10.61 -0.67 0.00	12.82 -0.84 0.15	13.01 -0.98 5.79	14.19 -0.89 3.64	16.64 -0.83 1.52	14.40 -0.73 0.04	14.07 -0.65 0.00	13.47 -0.60 0.00	3.10 -0.09 0.00	2.78 -0.04 0.00	3.59 -0.04 0.00	11.83 -0.30 0.00	12.99 -0.49 0.00	16.66 -0.62 0.00	17.41 -0.75 0.00	30.50 -1.42 0.00	64.77 -2.40 0.00	24.88 -1.03 1.54	25.72 -0.46 0.00	16.56 -0.64 0.12	15.83 -0.60 0.44



ROCKVIEW_13_KV_LD 356306	16.95 0.98 0.00	17.34 0.97 0.00	12.36 0.74 0.00	12.00 0.71 0.00	14.70 0.88 0.00	20.99 1.21 0.00	19.95 1.22 0.00	20.29 1.29 0.00	16.19 1.02 0.00	15.79 1.07 0.00	15.09 1.02 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.85 0.22 0.00	12.88 0.76 0.00	14.34 0.87 0.00	18.42 1.13 0.00	19.27 1.10 0.00	33.72 1.80 0.00	71.49 4.32 0.00	29.21 1.77 0.00	27.66 1.48 0.00	18.33 1.02 0.00	17.89 1.02 0.00
ROME____115KV_TB2 80656	16.44 0.48 0.00	16.81 0.44 0.00	11.90 0.28 0.00	11.56 0.27 0.00	14.15 0.34 0.00	20.33 0.55 0.00	19.30 0.57 0.00	19.51 0.51 0.00	15.45 0.28 0.00	14.94 0.22 0.00	14.21 0.13 0.00	3.20 0.02 0.00	2.84 0.01 0.00	3.65 0.02 0.00	12.15 0.02 0.00	13.63 0.14 0.00	17.64 0.35 0.00	18.74 0.57 0.00	33.09 1.17 0.00	70.19 3.02 0.00	28.62 1.18 0.00	27.23 1.05 0.00	17.83 0.52 0.00	17.40 0.53 0.00
ROSETON___1 23587	16.71 0.75 0.00	17.10 0.73 0.00	12.19 0.56 0.00	11.83 0.55 0.00	14.49 0.68 0.00	20.72 0.94 0.00	19.68 0.95 0.00	19.99 1.00 0.00	15.94 0.77 0.00	15.51 0.78 0.00	14.83 0.75 0.00	3.35 0.16 0.00	2.96 0.13 0.00	3.79 0.15 0.00	12.67 0.54 0.00	14.11 0.63 0.00	18.11 0.83 0.00	18.96 0.79 0.00	33.24 1.32 0.00	70.42 3.25 0.00	28.79 1.35 0.00	27.30 1.12 0.00	18.07 0.75 0.00	17.63 0.77 0.00
ROSETON___2 23588	16.71 0.75 0.00	17.10 0.73 0.00	12.19 0.56 0.00	11.83 0.55 0.00	14.49 0.68 0.00	20.72 0.94 0.00	19.68 0.95 0.00	19.99 1.00 0.00	15.94 0.77 0.00	15.51 0.78 0.00	14.83 0.75 0.00	3.35 0.16 0.00	2.96 0.13 0.00	3.79 0.15 0.00	12.67 0.54 0.00	14.11 0.63 0.00	18.11 0.83 0.00	18.96 0.79 0.00	33.24 1.32 0.00	70.42 3.25 0.00	28.79 1.35 0.00	27.30 1.12 0.00	18.07 0.75 0.00	17.63 0.77 0.00
ROTTDAM_115KV_TB3 80664	16.34 0.37 0.00	16.75 0.38 0.00	11.91 0.29 0.00	11.57 0.28 0.00	14.16 0.35 0.00	20.31 0.52 0.00	19.26 0.54 0.00	19.52 0.53 0.00	15.54 0.37 0.00	15.05 0.32 0.00	14.37 0.29 0.00	3.24 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.34 0.21 0.00	13.73 0.25 0.00	17.63 0.34 0.00	18.53 0.36 0.00	32.61 0.69 0.00	68.97 1.80 0.00	28.19 0.75 0.00	26.82 0.64 0.00	17.69 0.38 0.00	17.24 0.37 0.00
RUSSELL___1 23602	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
RUSSELL___2 23532	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
RUSSELL___3 23549	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
RUSSELL___4 23556	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
RUSSELL___STATION 23914	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
S SALMON___HYD 24043	15.56 -0.41 0.00	15.89 -0.48 0.00	11.26 -0.36 0.00	10.95 -0.34 0.00	13.40 -0.41 0.00	19.23 -0.55 0.00	18.20 -0.53 0.00	18.42 -0.58 0.00	14.61 -0.57 0.00	14.16 -0.56 0.00	13.53 -0.55 0.00	3.05 -0.13 0.00	2.71 -0.12 0.00	3.48 -0.15 0.00	11.58 -0.55 0.00	12.97 -0.51 0.00	16.63 -0.66 0.00	17.73 -0.44 0.00	31.21 -0.70 0.00	66.31 -0.86 0.00	27.04 -0.40 0.00	25.76 -0.42 0.00	16.88 -0.43 0.00	16.49 -0.37 0.00
S.PERRY__115KV_TB1 80734	15.60 -0.28 0.08	15.91 -0.45 0.01	11.06 -0.43 0.13	10.84 -0.45 0.00	13.17 -0.58 0.06	16.83 -0.58 2.37	16.73 -0.51 1.49	17.89 -0.50 0.61	14.51 -0.65 0.02	14.12 -0.61 0.00	13.44 -0.64 0.00	3.07 -0.12 0.00	2.76 -0.07 0.00	3.57 -0.06 0.00	11.81 -0.32 0.00	12.95 -0.53 0.00	16.72 -0.57 0.00	17.55 -0.62 0.00	31.03 -0.88 0.00	66.09 -1.07 0.00	26.46 -0.37 0.61	26.60 0.42 0.00	17.22 -0.05 0.05	16.55 -0.14 0.17
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	14.59 -1.22 0.15	15.03 -1.33 0.01	10.39 -0.99 0.24	10.31 -0.98 0.00	12.45 -1.25 0.11	13.96 -1.57 4.25	14.52 -1.53 2.67	16.46 -1.43 1.11	13.97 -1.17 0.03	13.71 -1.01 0.00	13.13 -0.95 0.00	3.04 -0.14 0.00	2.75 -0.07 0.00	3.55 -0.09 0.00	11.55 -0.58 0.00	12.66 -0.82 0.00	16.18 -1.11 0.00	16.83 -1.34 0.00	29.40 -2.52 0.00	62.72 -4.45 0.00	24.46 -1.85 1.12	25.16 -1.02 0.00	16.20 -1.02 0.09	15.62 -0.93 0.32
SAWYER___23_KV_LOAD 55526	14.59 -1.22 0.15	15.03 -1.33 0.01	10.39 -0.99 0.24	10.31 -0.98 0.00	12.45 -1.25 0.11	13.96 -1.57 4.25	14.52 -1.53 2.67	16.46 -1.43 1.11	13.97 -1.17 0.03	13.71 -1.01 0.00	13.13 -0.95 0.00	3.04 -0.14 0.00	2.75 -0.07 0.00	3.55 -0.09 0.00	11.55 -0.58 0.00	12.66 -0.82 0.00	16.18 -1.11 0.00	16.83 -1.34 0.00	29.40 -2.52 0.00	62.72 -4.45 0.00	24.46 -1.85 1.12	25.16 -1.02 0.00	16.20 -1.02 0.09	15.62 -0.93 0.32
SELKIRK___I 23801	16.27 0.30 0.00	16.70 0.33 0.00	11.88 0.26 0.00	11.54 0.25 0.00	14.12 0.31 0.00	20.21 0.43 0.00	19.17 0.45 0.00	19.36 0.36 0.00	15.38 0.21 0.00	14.88 0.16 0.00	14.22 0.14 0.00	3.21 0.03 0.00	2.85 0.02 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.59 0.11 0.00	17.41 0.12 0.00	18.29 0.12 0.00	32.28 0.36 0.00	68.45 1.28 0.00	27.99 0.55 0.00	26.62 0.43 0.00	17.62 0.31 0.00	17.17 0.30 0.00



SELKIRK___II 23799	16.22 0.25 0.00	16.64 0.27 0.00	11.84 0.22 0.00	11.50 0.21 0.00	14.08 0.26 0.00	20.13 0.35 0.00	19.12 0.39 0.00	19.36 0.37 0.00	15.43 0.26 0.00	14.95 0.23 0.00	14.31 0.23 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.30 0.17 0.00	13.66 0.19 0.00	17.46 0.17 0.00	18.30 0.13 0.00	32.19 0.28 0.00	68.23 1.06 0.00	27.90 0.45 0.00	26.52 0.34 0.00	17.56 0.24 0.00	17.11 0.25 0.00
SENECA OSWGO___HYD 24041	15.63 -0.33 0.00	16.02 -0.35 0.00	11.36 -0.25 0.00	11.04 -0.25 0.00	13.52 -0.30 0.00	19.40 -0.38 0.00	18.39 -0.34 0.00	18.66 -0.34 0.00	14.84 -0.33 0.00	14.39 -0.33 0.00	13.75 -0.33 0.00	3.11 -0.07 0.00	2.76 -0.07 0.00	3.55 -0.08 0.00	11.81 -0.32 0.00	13.16 -0.32 0.00	16.92 -0.37 0.00	17.82 -0.35 0.00	31.31 -0.61 0.00	66.17 -1.00 0.00	27.02 -0.41 0.00	25.81 -0.37 0.00	16.99 -0.32 0.00	16.55 -0.32 0.00
SENECA___115KV_TB3 355854	14.89 -0.93 0.14	15.30 -1.05 0.01	10.58 -0.81 0.23	10.49 -0.80 0.00	12.66 -1.05 0.11	14.53 -1.28 3.97	14.94 -1.29 2.50	16.80 -1.16 1.04	14.18 -0.97 0.03	13.93 -0.80 0.00	13.33 -0.74 0.00	3.08 -0.10 0.00	2.78 -0.04 0.00	3.59 -0.05 0.00	11.69 -0.43 0.00	12.84 -0.64 0.00	16.44 -0.85 0.00	17.11 -1.06 0.00	29.86 -2.06 0.00	63.81 -3.36 0.00	24.99 -1.41 1.05	25.58 -0.60 0.00	16.50 -0.73 0.08	15.90 -0.66 0.30
SENECA___ENERGY 23797	15.85 -0.34 -0.22	15.97 -0.42 -0.02	11.65 -0.32 -0.35	10.97 -0.31 0.00	13.57 -0.41 -0.16	25.40 -0.48 -6.10	22.14 -0.41 -3.83	20.43 -0.24 -1.67	14.99 -0.23 -0.05	14.51 -0.22 0.00	13.85 -0.23 0.00	3.15 -0.04 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.94 -0.19 0.00	13.28 -0.20 0.00	17.07 -0.21 0.00	17.98 -0.19 0.00	31.48 -0.44 0.00	66.76 -0.40 0.00	29.06 -0.10 -1.72	26.37 0.19 0.00	17.36 -0.09 -0.13	17.25 -0.11 -0.49
SHOEMAKER___GT 23640	16.69 0.72 0.00	17.09 0.72 0.00	12.16 0.54 0.00	11.81 0.52 0.00	14.46 0.65 0.00	20.69 0.91 0.00	19.62 0.90 0.00	19.93 0.93 0.00	15.87 0.69 0.00	15.41 0.69 0.00	14.73 0.65 0.00	3.32 0.14 0.00	2.94 0.11 0.00	3.77 0.13 0.00	12.60 0.47 0.00	14.03 0.55 0.00	18.03 0.74 0.00	18.89 0.72 0.00	33.19 1.27 0.00	70.30 3.13 0.00	28.73 1.29 0.00	27.30 1.12 0.00	18.05 0.74 0.00	17.61 0.75 0.00
SHOEMAKR_138KV_BK 111 55601	16.68 0.72 0.00	17.08 0.71 0.00	12.16 0.54 0.00	11.81 0.52 0.00	14.45 0.64 0.00	20.69 0.91 0.00	19.62 0.89 0.00	19.93 0.93 0.00	15.87 0.70 0.00	15.42 0.70 0.00	14.73 0.66 0.00	3.33 0.14 0.00	2.94 0.11 0.00	3.77 0.14 0.00	12.62 0.49 0.00	14.05 0.57 0.00	18.04 0.75 0.00	18.90 0.73 0.00	33.19 1.27 0.00	70.27 3.10 0.00	28.72 1.28 0.00	27.29 1.11 0.00	18.05 0.74 0.00	17.61 0.75 0.00
SHOREHAM_IC_1 23715	17.00 1.03 0.00	17.43 1.06 0.00	12.52 0.90 0.00	12.15 0.86 0.00	14.82 1.00 0.00	21.03 1.25 0.00	19.95 1.23 0.00	20.27 1.28 0.00	16.15 0.98 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.80 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.54 0.00	71.16 3.99 0.00	29.06 1.62 0.00	27.61 1.43 0.00	18.52 1.21 0.00	18.17 1.30 0.00
SHOREHAM_IC_2 23716	17.00 1.03 0.00	17.43 1.06 0.00	12.52 0.90 0.00	12.15 0.86 0.00	14.82 1.00 0.00	21.03 1.25 0.00	19.95 1.23 0.00	20.27 1.28 0.00	16.15 0.98 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.80 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.54 0.00	71.16 3.99 0.00	29.06 1.62 0.00	27.61 1.43 0.00	18.52 1.21 0.00	18.17 1.30 0.00
SISSONVILLE____ 23735	15.28 -0.69 0.00	15.67 -0.70 0.00	11.08 -0.54 0.00	10.77 -0.51 0.00	13.22 -0.60 0.00	18.91 -0.88 0.00	17.85 -0.87 0.00	18.06 -0.93 0.00	14.42 -0.75 0.00	13.93 -0.79 0.00	13.31 -0.76 0.00	3.01 -0.17 0.00	2.68 -0.15 0.00	3.45 -0.18 0.00	11.56 -0.57 0.00	12.87 -0.61 0.00	16.55 -0.74 0.00	17.58 -0.59 0.00	31.06 -0.86 0.00	65.02 -2.15 0.00	26.48 -0.96 0.00	25.21 -0.97 0.00	16.58 -0.73 0.00	16.13 -0.74 0.00
SITHE_IND_GS1 24169	15.52 -0.44 0.00	15.90 -0.47 0.00	11.28 -0.33 0.00	10.96 -0.32 0.00	13.41 -0.40 0.00	19.24 -0.55 0.00	18.23 -0.49 0.00	18.49 -0.50 0.00	14.73 -0.44 0.00	14.30 -0.42 0.00	13.67 -0.41 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.76 -0.36 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.66 -0.51 0.00	31.02 -0.90 0.00	65.48 -1.68 0.00	26.75 -0.68 0.00	25.56 -0.62 0.00	16.85 -0.47 0.00	16.42 -0.45 0.00
SITHE_IND_GS2 24170	15.52 -0.44 0.00	15.90 -0.47 0.00	11.28 -0.33 0.00	10.96 -0.32 0.00	13.41 -0.40 0.00	19.24 -0.55 0.00	18.23 -0.49 0.00	18.49 -0.50 0.00	14.73 -0.44 0.00	14.30 -0.42 0.00	13.67 -0.41 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.76 -0.36 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.66 -0.51 0.00	31.02 -0.90 0.00	65.48 -1.68 0.00	26.75 -0.68 0.00	25.56 -0.62 0.00	16.85 -0.47 0.00	16.42 -0.45 0.00
SITHE_IND_GS3 24171	15.52 -0.44 0.00	15.90 -0.47 0.00	11.28 -0.33 0.00	10.96 -0.32 0.00	13.41 -0.40 0.00	19.24 -0.55 0.00	18.23 -0.49 0.00	18.49 -0.50 0.00	14.73 -0.44 0.00	14.30 -0.42 0.00	13.67 -0.41 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.76 -0.36 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.66 -0.51 0.00	31.02 -0.90 0.00	65.48 -1.68 0.00	26.75 -0.68 0.00	25.56 -0.62 0.00	16.85 -0.47 0.00	16.42 -0.45 0.00
SITHE_IND_GS4 24172	15.52 -0.44 0.00	15.90 -0.47 0.00	11.28 -0.33 0.00	10.96 -0.32 0.00	13.41 -0.40 0.00	19.24 -0.55 0.00	18.23 -0.49 0.00	18.49 -0.50 0.00	14.73 -0.44 0.00	14.30 -0.42 0.00	13.67 -0.41 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.76 -0.36 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.66 -0.51 0.00	31.02 -0.90 0.00	65.48 -1.68 0.00	26.75 -0.68 0.00	25.56 -0.62 0.00	16.85 -0.47 0.00	16.42 -0.45 0.00
SITHE___BATAVIA 24024	14.95 -0.83 0.18	15.41 -0.94 0.02	10.63 -0.70 0.29	10.60 -0.69 0.00	12.79 -0.89 0.13	13.75 -0.99 5.04	14.69 -0.87 3.17	16.89 -0.79 1.32	14.39 -0.75 0.04	14.05 -0.67 0.00	13.47 -0.61 0.00	3.10 -0.09 0.00	2.80 -0.03 0.00	3.60 -0.03 0.00	11.87 -0.26 0.00	12.96 -0.51 0.00	16.65 -0.63 0.00	17.41 -0.76 0.00	30.47 -1.45 0.00	64.91 -2.26 0.00	25.15 -0.95 1.33	25.91 -0.27 0.00	16.62 -0.59 0.10	15.94 -0.54 0.38
SITHE___INDEPEND 23800	15.52 -0.45 0.00	15.90 -0.47 0.00	11.28 -0.33 0.00	10.96 -0.32 0.00	13.41 -0.40 0.00	19.24 -0.55 0.00	18.23 -0.49 0.00	18.49 -0.50 0.00	14.73 -0.44 0.00	14.30 -0.42 0.00	13.67 -0.41 0.00	3.09 -0.09 0.00	2.75 -0.08 0.00	3.54 -0.10 0.00	11.76 -0.36 0.00	13.08 -0.40 0.00	16.79 -0.49 0.00	17.66 -0.51 0.00	31.02 -0.90 0.00	65.50 -1.67 0.00	26.75 -0.68 0.00	25.56 -0.62 0.00	16.84 -0.47 0.00	16.42 -0.45 0.00



SITHE___MASSENA 23902	15.79 -0.18 0.00	16.22 -0.15 0.00	11.48 -0.14 0.00	11.16 -0.13 0.00	13.66 -0.15 0.00	19.54 -0.25 0.00	18.44 -0.28 0.00	18.69 -0.31 0.00	14.97 -0.20 0.00	14.51 -0.21 0.00	13.88 -0.20 0.00	3.15 -0.04 0.00	2.80 -0.03 0.00	3.61 -0.03 0.00	12.06 -0.07 0.00	13.38 -0.09 0.00	17.17 -0.11 0.00	18.11 -0.06 0.00	31.86 -0.06 0.00	66.57 -0.60 0.00	27.16 -0.28 0.00	25.95 -0.23 0.00	17.15 -0.16 0.00	16.68 -0.19 0.00
SITHE___OGDNSBRG 24021	15.81 -0.15 0.00	16.23 -0.14 0.00	11.48 -0.14 0.00	11.16 -0.12 0.00	13.69 -0.13 0.00	19.58 -0.20 0.00	18.52 -0.21 0.00	18.70 -0.30 0.00	14.87 -0.30 0.00	14.38 -0.35 0.00	13.72 -0.36 0.00	3.11 -0.07 0.00	2.77 -0.06 0.00	3.57 -0.07 0.00	11.93 -0.19 0.00	13.32 -0.16 0.00	17.18 -0.10 0.00	18.18 0.01 0.00	32.05 0.13 0.00	66.99 -0.18 0.00	27.32 -0.12 0.00	26.07 -0.11 0.00	17.19 -0.12 0.00	16.69 -0.18 0.00
SITHE___STERLING 23777	16.38 0.41 0.00	16.75 0.38 0.00	11.87 0.24 0.00	11.52 0.24 0.00	14.11 0.30 0.00	20.27 0.49 0.00	19.24 0.51 0.00	19.47 0.47 0.00	15.42 0.25 0.00	14.92 0.19 0.00	14.21 0.13 0.00	3.21 0.02 0.00	2.84 0.02 0.00	3.65 0.02 0.00	12.17 0.04 0.00	13.61 0.13 0.00	17.58 0.30 0.00	18.62 0.45 0.00	32.86 0.94 0.00	69.64 2.47 0.00	28.43 0.99 0.00	27.07 0.89 0.00	17.76 0.44 0.00	17.33 0.46 0.00
SLEIGHT__34_KV_TB1 80719	15.06 -0.70 0.21	15.59 -0.76 0.02	10.72 -0.58 0.33	10.73 -0.56 0.00	12.96 -0.70 0.15	13.25 -0.80 5.74	14.41 -0.71 3.61	16.88 -0.62 1.50	14.58 -0.55 0.04	14.20 -0.51 0.00	13.58 -0.49 0.00	3.11 -0.08 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.84 -0.29 0.00	13.08 -0.40 0.00	16.80 -0.49 0.00	17.63 -0.54 0.00	30.86 -1.06 0.00	65.47 -1.70 0.00	25.21 -0.72 1.51	25.87 -0.31 0.00	16.70 -0.49 0.12	15.95 -0.48 0.43
SOUTH CAIRO___GT 23612	16.65 0.68 0.00	17.09 0.72 0.00	12.15 0.52 0.00	11.81 0.53 0.00	14.47 0.66 0.00	20.78 0.99 0.00	19.80 1.08 0.00	19.97 0.98 0.00	15.75 0.58 0.00	15.05 0.32 0.00	14.32 0.24 0.00	3.23 0.04 0.00	2.86 0.03 0.00	3.66 0.03 0.00	12.24 0.11 0.00	13.63 0.15 0.00	17.49 0.20 0.00	18.51 0.34 0.00	32.81 0.89 0.00	70.36 3.19 0.00	28.83 1.40 0.00	27.40 1.22 0.00	18.07 0.75 0.00	17.54 0.68 0.00
SOUTH HAMPTN___IC 23720	17.18 1.21 0.00	17.62 1.25 0.00	12.65 1.03 0.00	12.28 0.99 0.00	14.98 1.17 0.00	21.29 1.51 0.00	20.21 1.49 0.00	20.52 1.53 0.00	16.33 1.15 0.00	16.17 1.45 0.00	15.42 1.34 0.00	3.46 0.27 0.00	3.05 0.22 0.00	3.88 0.25 0.00	12.98 0.85 0.00	14.36 0.88 0.00	18.66 1.37 0.00	19.48 1.31 0.00	34.05 2.13 0.00	72.54 5.37 0.00	29.63 2.20 0.00	28.15 1.97 0.00	18.84 1.53 0.00	18.44 1.58 0.00
SOUTHDOW__115KV_TB1 355954	15.56 -0.28 0.12	15.87 -0.49 0.01	10.98 -0.45 0.20	10.82 -0.47 0.00	13.06 -0.66 0.09	15.62 -0.74 3.42	15.75 -0.83 2.15	17.57 -0.53 0.89	14.64 -0.50 0.03	14.46 -0.27 0.00	13.80 -0.28 0.00	3.17 -0.02 0.00	2.85 0.03 0.00	3.68 0.05 0.00	12.03 -0.10 0.00	13.26 -0.22 0.00	17.03 -0.26 0.00	17.67 -0.50 0.00	30.90 -1.02 0.00	66.82 -0.35 0.00	26.24 -0.30 0.90	26.58 0.40 0.00	17.34 0.10 0.07	16.73 0.12 0.26
SOUTHOLD_69_KV_BK 2 55809	17.33 1.36 0.00	17.83 1.47 0.00	12.80 1.18 0.00	12.43 1.14 0.00	15.17 1.35 0.00	21.57 1.79 0.00	20.51 1.79 0.00	20.82 1.82 0.00	16.54 1.37 0.00	16.33 1.61 0.00	15.55 1.47 0.00	3.48 0.30 0.00	3.08 0.25 0.00	3.91 0.28 0.00	13.07 0.94 0.00	14.48 1.00 0.00	18.83 1.55 0.00	19.68 1.51 0.00	34.44 2.52 0.00	73.13 5.96 0.00	29.88 2.44 0.00	28.38 2.20 0.00	18.98 1.67 0.00	18.57 1.70 0.00
SOUTHOLD___IC 23719	17.33 1.36 0.00	17.83 1.47 0.00	12.80 1.18 0.00	12.43 1.14 0.00	15.17 1.35 0.00	21.58 1.80 0.00	20.50 1.78 0.00	20.82 1.82 0.00	16.54 1.37 0.00	16.34 1.61 0.00	15.55 1.47 0.00	3.48 0.30 0.00	3.08 0.25 0.00	3.91 0.28 0.00	13.07 0.94 0.00	14.48 1.00 0.00	18.83 1.55 0.00	19.68 1.51 0.00	34.44 2.52 0.00	73.15 5.98 0.00	29.88 2.44 0.00	28.38 2.20 0.00	18.98 1.67 0.00	18.56 1.70 0.00
SOUTH_FORK_WT_PWR 323839	17.33 1.36 0.00	17.85 1.49 0.00	12.81 1.19 0.00	12.44 1.15 0.00	15.18 1.36 0.00	21.60 1.81 0.00	20.53 1.80 0.00	20.83 1.83 0.00	16.55 1.38 0.00	16.37 1.64 0.00	15.58 1.50 0.00	3.49 0.31 0.00	3.08 0.25 0.00	3.92 0.28 0.00	13.10 0.97 0.00	14.51 1.03 0.00	18.87 1.59 0.00	19.72 1.54 0.00	34.52 2.60 0.00	73.34 6.18 0.00	29.97 2.53 0.00	28.46 2.28 0.00	19.03 1.72 0.00	18.60 1.74 0.00
SPIERFLS_115KV_TB 1 80737	16.33 0.37 0.00	16.71 0.34 0.00	11.90 0.28 0.00	11.57 0.28 0.00	14.20 0.39 0.00	20.49 0.70 0.00	19.48 0.76 0.00	19.70 0.71 0.00	15.60 0.43 0.00	15.01 0.29 0.00	14.28 0.20 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.64 0.01 0.00	12.19 0.06 0.00	13.61 0.13 0.00	17.59 0.30 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.74 2.57 0.00	28.51 1.07 0.00	27.04 0.86 0.00	17.69 0.38 0.00	17.17 0.31 0.00
ST LAWRENCE___ 23600	15.70 -0.27 0.00	16.12 -0.25 0.00	11.42 -0.20 0.00	11.09 -0.19 0.00	13.59 -0.23 0.00	19.42 -0.37 0.00	18.33 -0.39 0.00	18.59 -0.41 0.00	14.91 -0.26 0.00	14.45 -0.27 0.00	13.82 -0.25 0.00	3.13 -0.05 0.00	2.79 -0.04 0.00	3.59 -0.04 0.00	12.01 -0.12 0.00	13.32 -0.16 0.00	17.07 -0.21 0.00	17.99 -0.18 0.00	31.64 -0.28 0.00	66.09 -1.08 0.00	26.97 -0.47 0.00	25.78 -0.40 0.00	17.05 -0.26 0.00	16.58 -0.28 0.00
STATE_CA_115KV_115_LB 55624	16.18 0.21 0.00	16.59 0.22 0.00	11.80 0.19 0.00	11.47 0.18 0.00	14.04 0.23 0.00	20.07 0.29 0.00	19.09 0.36 0.00	19.31 0.32 0.00	15.42 0.25 0.00	14.93 0.21 0.00	14.30 0.23 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.29 0.16 0.00	13.68 0.20 0.00	17.46 0.17 0.00	18.33 0.15 0.00	32.16 0.24 0.00	68.11 0.95 0.00	27.84 0.40 0.00	26.44 0.26 0.00	17.52 0.20 0.00	17.06 0.19 0.00
STATE_ST_34_KV_LOAD 55959	15.99 -0.04 -0.06	16.25 -0.12 0.00	11.64 -0.08 -0.10	11.22 -0.07 0.00	13.74 -0.12 -0.05	21.44 -0.08 -1.74	19.78 -0.04 -1.09	19.67 0.17 -0.51	15.29 0.10 -0.02	14.80 0.08 0.00	14.14 0.06 0.00	3.20 0.02 0.00	2.86 0.03 0.00	3.66 0.02 0.00	12.14 0.01 0.00	13.55 0.07 0.00	17.43 0.14 0.00	18.39 0.22 0.00	32.17 0.25 0.00	68.17 1.01 0.00	28.48 0.50 -0.54	26.88 0.69 0.00	17.57 0.21 -0.04	17.24 0.22 -0.15
STATION 5_MISC_HYD 23604	14.91 -0.85 0.21	15.43 -0.92 0.02	10.60 -0.68 0.33	10.61 -0.67 0.00	12.81 -0.85 0.15	13.00 -0.99 5.79	14.21 -0.87 3.64	16.65 -0.83 1.52	14.40 -0.73 0.04	14.07 -0.65 0.00	13.47 -0.60 0.00	3.10 -0.09 0.00	2.79 -0.04 0.00	3.59 -0.04 0.00	11.83 -0.30 0.00	12.99 -0.49 0.00	16.66 -0.62 0.00	17.41 -0.75 0.00	30.50 -1.42 0.00	64.75 -2.42 0.00	24.88 -1.02 1.54	25.72 -0.46 0.00	16.56 -0.63 0.12	15.83 -0.60 0.44



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	15.12 -0.53 0.31	15.74 -0.60 0.03	10.66 -0.46 0.50	10.84 -0.45 0.00	13.02 -0.56 0.23	10.51 -0.61 8.66	12.75 -0.53 5.45	16.29 -0.43 2.28	14.71 -0.40 0.06	14.36 -0.36 0.00	13.71 -0.36 0.00	3.14 -0.05 0.00	2.81 -0.02 0.00	3.63 -0.01 0.00	11.97 -0.16 0.00	13.20 -0.28 0.00	16.96 -0.33 0.00	17.79 -0.38 0.00	31.18 -0.74 0.00	66.19 -0.98 0.00	24.71 -0.42 2.31	26.18 0.00 0.00	16.85 -0.28 0.18	15.91 -0.30 0.66
STA_56_34_KV_BUS2_REV_LBMP_B 345033	14.87 -0.86 0.23	15.42 -0.93 0.02	10.56 -0.69 0.36	10.61 -0.68 0.00	12.80 -0.85 0.17	12.48 -0.99 6.31	13.87 -0.89 3.97	16.52 -0.82 1.66	14.42 -0.71 0.05	14.09 -0.63 0.00	13.49 -0.59 0.00	3.10 -0.09 0.00	2.78 -0.04 0.00	3.60 -0.04 0.00	11.84 -0.29 0.00	13.00 -0.47 0.00	16.69 -0.59 0.00	17.46 -0.71 0.00	30.57 -1.35 0.00	64.85 -2.32 0.00	24.78 -0.98 1.68	25.73 -0.45 0.00	16.55 -0.63 0.13	15.77 -0.62 0.48
STA_56____34_KV_BUS2 355983	14.87 -0.86 0.23	15.42 -0.93 0.02	10.56 -0.69 0.36	10.61 -0.68 0.00	12.80 -0.85 0.17	12.48 -0.99 6.31	13.87 -0.89 3.97	16.52 -0.82 1.66	14.42 -0.71 0.05	14.09 -0.63 0.00	13.49 -0.59 0.00	3.10 -0.09 0.00	2.78 -0.04 0.00	3.60 -0.04 0.00	11.84 -0.29 0.00	13.00 -0.47 0.00	16.69 -0.59 0.00	17.46 -0.71 0.00	30.57 -1.35 0.00	64.85 -2.32 0.00	24.78 -0.98 1.68	25.73 -0.45 0.00	16.55 -0.63 0.13	15.77 -0.62 0.48
STA_67____115KV_BK2 355882	14.88 -0.88 0.21	15.40 -0.95 0.02	10.58 -0.71 0.33	10.59 -0.69 0.00	12.79 -0.87 0.15	12.97 -1.02 5.80	14.15 -0.93 3.65	16.61 -0.87 1.52	14.37 -0.75 0.04	14.04 -0.68 0.00	13.45 -0.63 0.00	3.09 -0.09 0.00	2.78 -0.05 0.00	3.59 -0.05 0.00	11.80 -0.33 0.00	12.96 -0.52 0.00	16.63 -0.66 0.00	17.38 -0.79 0.00	30.43 -1.49 0.00	64.59 -2.58 0.00	24.81 -1.09 1.54	25.66 -0.52 0.00	16.52 -0.67 0.12	15.80 -0.63 0.44
STA_7____115KV_9TRANS 80674	14.96 -0.79 0.21	15.49 -0.86 0.02	10.64 -0.65 0.33	10.65 -0.64 0.00	12.86 -0.80 0.15	13.08 -0.91 5.79	14.27 -0.82 3.64	16.72 -0.76 1.52	14.46 -0.67 0.04	14.13 -0.60 0.00	13.53 -0.55 0.00	3.11 -0.08 0.00	2.80 -0.03 0.00	3.61 -0.02 0.00	11.88 -0.25 0.00	13.04 -0.44 0.00	16.74 -0.55 0.00	17.50 -0.67 0.00	30.66 -1.27 0.00	65.10 -2.07 0.00	25.02 -0.89 1.54	25.84 -0.34 0.00	16.63 -0.56 0.12	15.89 -0.53 0.44
STA_82____115KV_TB1 80780	14.88 -0.87 0.21	15.41 -0.94 0.02	10.59 -0.70 0.33	10.60 -0.69 0.00	12.80 -0.86 0.15	13.00 -1.01 5.78	14.18 -0.91 3.63	16.62 -0.86 1.51	14.38 -0.75 0.04	14.05 -0.67 0.00	13.46 -0.62 0.00	3.09 -0.09 0.00	2.78 -0.05 0.00	3.59 -0.04 0.00	11.81 -0.32 0.00	12.96 -0.51 0.00	16.64 -0.65 0.00	17.39 -0.78 0.00	30.45 -1.47 0.00	64.65 -2.52 0.00	24.84 -1.06 1.53	25.68 -0.50 0.00	16.53 -0.66 0.12	15.81 -0.62 0.44
STEEL____WIND 323596	14.88 -0.94 0.14	15.29 -1.07 0.01	10.57 -0.82 0.23	10.47 -0.82 0.00	12.63 -1.07 0.11	14.49 -1.33 3.97	14.93 -1.30 2.50	16.77 -1.19 1.04	14.15 -0.99 0.03	13.91 -0.82 0.00	13.31 -0.77 0.00	3.07 -0.11 0.00	2.78 -0.05 0.00	3.58 -0.05 0.00	11.68 -0.45 0.00	12.83 -0.65 0.00	16.41 -0.87 0.00	17.07 -1.10 0.00	29.79 -2.13 0.00	63.68 -3.49 0.00	24.95 -1.44 1.05	25.55 -0.63 0.00	16.47 -0.76 0.08	15.88 -0.68 0.30
STEPHTWN_115KV_BK_2 55603	16.34 0.37 0.00	16.74 0.37 0.00	11.90 0.28 0.00	11.57 0.28 0.00	14.14 0.32 0.00	20.29 0.50 0.00	19.33 0.60 0.00	19.50 0.51 0.00	15.56 0.39 0.00	15.04 0.32 0.00	14.41 0.33 0.00	3.24 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.31 0.19 0.00	13.74 0.26 0.00	17.56 0.28 0.00	18.44 0.27 0.00	32.44 0.52 0.00	68.81 1.65 0.00	28.14 0.70 0.00	26.72 0.54 0.00	17.66 0.35 0.00	17.21 0.35 0.00
STEUBEN_REC_LFGE 323667	15.74 -0.25 -0.03	15.84 -0.53 0.00	11.08 -0.60 -0.05	10.62 -0.67 0.00	12.93 -0.91 -0.03	19.60 -1.13 -0.94	18.20 -1.11 -0.59	18.16 -1.11 -0.27	14.28 -0.90 -0.01	13.98 -0.74 0.00	13.12 -0.96 0.00	2.97 -0.22 0.00	2.67 -0.16 0.00	3.44 -0.19 0.00	11.39 -0.74 0.00	12.58 -0.90 0.00	16.18 -1.11 0.00	17.02 -1.16 0.00	30.09 -1.84 0.00	63.29 -3.88 0.00	26.50 -1.23 -0.29	26.25 0.07 0.00	17.20 -0.13 -0.02	16.56 -0.39 -0.08
STILLWATER____SOLAR 323814	16.47 0.50 0.00	16.89 0.52 0.00	12.01 0.39 0.00	11.67 0.38 0.00	14.30 0.49 0.00	20.57 0.79 0.00	19.52 0.80 0.00	19.75 0.75 0.00	15.66 0.49 0.00	15.11 0.38 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.05 0.00	12.32 0.19 0.00	13.72 0.24 0.00	17.68 0.39 0.00	18.65 0.48 0.00	32.90 0.98 0.00	69.74 2.57 0.00	28.52 1.08 0.00	27.10 0.93 0.00	17.82 0.51 0.00	17.35 0.48 0.00
STONY____BROOK 24151	17.08 1.12 0.00	17.50 1.13 0.00	12.56 0.94 0.00	12.19 0.91 0.00	14.87 1.06 0.00	21.12 1.34 0.00	20.05 1.33 0.00	20.35 1.35 0.00	16.17 0.99 0.00	15.93 1.21 0.00	15.25 1.17 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.85 0.22 0.00	12.87 0.74 0.00	14.28 0.80 0.00	18.52 1.24 0.00	19.32 1.15 0.00	33.69 1.77 0.00	71.33 4.16 0.00	29.13 1.69 0.00	27.77 1.59 0.00	18.56 1.24 0.00	18.16 1.30 0.00
STURGEON_POOL_HYD 23609	16.90 0.93 0.00	17.28 0.91 0.00	12.32 0.69 0.00	11.96 0.67 0.00	14.65 0.83 0.00	20.95 1.17 0.00	19.91 1.18 0.00	20.27 1.27 0.00	16.15 0.98 0.00	15.71 0.99 0.00	15.00 0.92 0.00	3.38 0.20 0.00	2.99 0.16 0.00	3.83 0.20 0.00	12.82 0.69 0.00	14.28 0.80 0.00	18.36 1.07 0.00	19.22 1.04 0.00	33.71 1.79 0.00	71.43 4.26 0.00	29.20 1.76 0.00	27.68 1.50 0.00	18.30 0.98 0.00	17.84 0.98 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	16.75 0.78 0.00	17.14 0.77 0.00	12.21 0.58 0.00	11.85 0.56 0.00	14.51 0.70 0.00	20.77 0.99 0.00	19.70 0.97 0.00	20.02 1.03 0.00	15.94 0.77 0.00	15.51 0.79 0.00	14.83 0.75 0.00	3.35 0.16 0.00	2.96 0.13 0.00	3.79 0.16 0.00	12.69 0.56 0.00	14.13 0.65 0.00	18.15 0.87 0.00	19.01 0.84 0.00	33.35 1.43 0.00	70.58 3.42 0.00	28.84 1.40 0.00	27.37 1.19 0.00	18.12 0.81 0.00	17.68 0.82 0.00
SWANROAD_115KV_TB1 355699	14.19 -1.61 0.16	14.63 -1.73 0.02	10.10 -1.26 0.26	10.06 -1.22 0.00	12.11 -1.58 0.12	13.21 -2.04 4.53	13.93 -1.95 2.85	15.96 -1.85 1.19	13.64 -1.50 0.03	13.36 -1.36 0.00	12.80 -1.28 0.00	2.98 -0.21 0.00	2.70 -0.13 0.00	3.47 -0.16 0.00	11.27 -0.86 0.00	12.35 -1.13 0.00	15.76 -1.53 0.00	16.40 -1.77 0.00	28.62 -3.30 0.00	60.96 -6.21 0.00	23.69 -2.55 1.20	24.51 -1.67 0.00	15.74 -1.48 0.09	15.17 -1.35 0.34
SYNERGY____BIOGAS 323694	14.95 -0.83 0.18	15.41 -0.94 0.02	10.63 -0.70 0.29	10.60 -0.69 0.00	12.79 -0.89 0.13	13.75 -0.99 5.04	14.69 -0.87 3.17	16.89 -0.79 1.32	14.39 -0.75 0.04	14.05 -0.67 0.00	13.47 -0.61 0.00	3.10 -0.09 0.00	2.80 -0.03 0.00	3.60 -0.03 0.00	11.87 -0.26 0.00	12.96 -0.51 0.00	16.65 -0.63 0.00	17.41 -0.76 0.00	30.47 -1.45 0.00	64.91 -2.26 0.00	25.15 -0.95 1.33	25.91 -0.27 0.00	16.62 -0.59 0.10	15.94 -0.54 0.38



SYRACUSE___ENERGY_ST1 323597	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
SYRACUSE___ENERGY_ST2 323598	15.87 -0.11 -0.02	16.23 -0.14 0.00	11.54 -0.10 -0.03	11.19 -0.10 0.00	13.70 -0.12 -0.01	20.10 -0.12 -0.43	18.91 -0.09 -0.27	19.20 0.05 -0.16	15.21 0.03 -0.01	14.74 0.02 0.00	14.09 0.02 0.00	3.19 0.01 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.11 -0.02 0.00	13.49 0.01 0.00	17.35 0.06 0.00	18.27 0.10 0.00	32.07 0.15 0.00	67.89 0.73 0.00	27.93 0.32 -0.17	26.57 0.39 0.00	17.44 0.11 -0.01	17.02 0.10 -0.05
SYRACUSE___POWER 24017	15.93 -0.03 0.00	16.32 -0.05 0.00	11.57 -0.05 0.00	11.24 -0.05 0.00	13.76 -0.05 0.00	19.76 -0.03 0.00	18.72 0.00 0.00	19.04 0.04 0.00	15.16 -0.01 0.00	14.70 -0.03 0.00	14.05 -0.03 0.00	3.18 0.00 0.00	2.82 0.00 0.00	3.63 0.00 0.00	12.05 -0.07 0.00	13.44 -0.04 0.00	17.28 -0.01 0.00	18.19 0.03 0.00	32.00 0.08 0.00	67.69 0.52 0.00	27.65 0.22 0.00	26.43 0.25 0.00	17.37 0.06 0.00	16.92 0.06 0.00
TALLMAN___138KV_BK151 55660	16.82 0.86 0.00	17.20 0.83 0.00	12.25 0.63 0.00	11.90 0.61 0.00	14.57 0.75 0.00	20.84 1.06 0.00	19.77 1.04 0.00	20.10 1.10 0.00	16.01 0.84 0.00	15.60 0.88 0.00	14.92 0.85 0.00	3.37 0.18 0.00	2.98 0.15 0.00	3.81 0.18 0.00	12.76 0.63 0.00	14.22 0.74 0.00	18.27 0.99 0.00	19.11 0.94 0.00	33.50 1.58 0.00	70.83 3.66 0.00	28.93 1.49 0.00	27.45 1.27 0.00	18.18 0.87 0.00	17.76 0.89 0.00
TEALLAVE_115KV_TB7 355573	15.82 -0.15 0.00	16.20 -0.17 0.00	11.49 -0.13 0.00	11.16 -0.12 0.00	13.66 -0.15 0.00	19.61 -0.18 0.00	18.58 -0.14 0.00	18.88 -0.11 0.00	15.05 -0.13 0.00	14.60 -0.12 0.00	13.96 -0.12 0.00	3.16 -0.02 0.00	2.81 -0.02 0.00	3.61 -0.02 0.00	11.99 -0.14 0.00	13.35 -0.13 0.00	17.16 -0.13 0.00	18.05 -0.12 0.00	31.71 -0.21 0.00	67.05 -0.12 0.00	27.39 -0.05 0.00	26.18 0.00 0.00	17.23 -0.08 0.00	16.78 -0.09 0.00
TELGRAPH_34_KV_EAST 80808	14.61 -1.18 0.17	15.06 -1.29 0.02	10.39 -0.96 0.28	10.36 -0.93 0.00	12.49 -1.20 0.13	13.49 -1.46 4.82	14.31 -1.38 3.03	16.45 -1.28 1.26	14.06 -1.08 0.04	13.76 -0.96 0.00	13.18 -0.89 0.00	3.05 -0.13 0.00	2.76 -0.07 0.00	3.55 -0.08 0.00	11.61 -0.52 0.00	12.71 -0.77 0.00	16.26 -1.02 0.00	16.96 -1.21 0.00	29.62 -2.30 0.00	63.14 -4.03 0.00	24.48 -1.68 1.28	25.29 -0.89 0.00	16.23 -0.98 0.10	15.60 -0.90 0.36
TEMPLE___115KV_TB 2 55572	15.83 -0.13 0.00	16.22 -0.15 0.00	11.51 -0.11 0.00	11.17 -0.11 0.00	13.68 -0.14 0.00	19.63 -0.15 0.00	18.60 -0.12 0.00	18.91 -0.09 0.00	15.06 -0.11 0.00	14.62 -0.10 0.00	13.97 -0.10 0.00	3.17 -0.02 0.00	2.81 -0.02 0.00	3.62 -0.02 0.00	12.00 -0.13 0.00	13.36 -0.12 0.00	17.18 -0.11 0.00	18.07 -0.10 0.00	31.75 -0.17 0.00	67.12 -0.05 0.00	27.42 -0.02 0.00	26.21 0.03 0.00	17.24 -0.07 0.00	16.79 -0.07 0.00
TIANA____69_KV_BK 1 55817	17.14 1.18 0.00	17.58 1.21 0.00	12.62 1.00 0.00	12.25 0.97 0.00	14.94 1.13 0.00	21.23 1.44 0.00	20.16 1.44 0.00	20.47 1.47 0.00	16.29 1.12 0.00	16.12 1.40 0.00	15.36 1.29 0.00	3.45 0.26 0.00	3.04 0.21 0.00	3.87 0.24 0.00	12.93 0.80 0.00	14.32 0.85 0.00	18.60 1.31 0.00	19.41 1.24 0.00	33.92 2.01 0.00	72.22 5.05 0.00	29.51 2.07 0.00	28.04 1.86 0.00	18.77 1.46 0.00	18.38 1.51 0.00
TILDEN___115KV_TB1 80814	15.93 -0.03 0.00	16.32 -0.05 0.00	11.57 -0.05 0.00	11.24 -0.05 0.00	13.76 -0.05 0.00	19.76 -0.03 0.00	18.72 0.00 0.00	19.04 0.04 0.00	15.16 -0.01 0.00	14.70 -0.03 0.00	14.05 -0.03 0.00	3.18 0.00 0.00	2.82 0.00 0.00	3.63 0.00 0.00	12.05 -0.07 0.00	13.44 -0.04 0.00	17.28 -0.01 0.00	18.19 0.03 0.00	32.00 0.08 0.00	67.69 0.52 0.00	27.65 0.22 0.00	26.43 0.25 0.00	17.37 0.06 0.00	16.92 0.06 0.00
TRIGEN___CC 323695	16.93 0.97 0.00	17.33 0.97 0.00	12.40 0.78 0.00	12.04 0.76 0.00	14.70 0.88 0.00	20.92 1.13 0.00	19.88 1.15 0.00	20.18 1.19 0.00	16.10 0.93 0.00	15.79 1.07 0.00	15.10 1.03 0.00	3.40 0.22 0.00	3.01 0.18 0.00	3.84 0.20 0.00	12.86 0.73 0.00	14.29 0.81 0.00	18.46 1.16 0.00	19.24 1.07 0.00	33.53 1.61 0.00	71.04 3.87 0.00	29.02 1.59 0.00	27.58 1.40 0.00	18.34 1.03 0.00	17.93 1.06 0.00
TRINITY__115KV__4 BK 55933	16.13 0.17 0.00	16.55 0.19 0.00	11.78 0.16 0.00	11.44 0.16 0.00	14.00 0.19 0.00	20.02 0.23 0.00	19.03 0.30 0.00	19.25 0.26 0.00	15.37 0.20 0.00	14.88 0.16 0.00	14.26 0.19 0.00	3.22 0.04 0.00	2.85 0.03 0.00	3.66 0.03 0.00	12.25 0.12 0.00	13.63 0.15 0.00	17.39 0.10 0.00	18.24 0.07 0.00	32.02 0.10 0.00	67.83 0.66 0.00	27.73 0.29 0.00	26.34 0.16 0.00	17.46 0.15 0.00	17.01 0.15 0.00
UNION___PROCESSING_DRP 323587	14.88 -0.87 0.21	15.41 -0.94 0.02	10.59 -0.70 0.33	10.60 -0.68 0.00	12.81 -0.86 0.15	13.02 -1.00 5.77	14.19 -0.91 3.63	16.63 -0.85 1.51	14.39 -0.74 0.04	14.05 -0.67 0.00	13.46 -0.62 0.00	3.09 -0.09 0.00	2.78 -0.04 0.00	3.59 -0.04 0.00	11.82 -0.31 0.00	12.97 -0.51 0.00	16.64 -0.64 0.00	17.39 -0.78 0.00	30.46 -1.46 0.00	64.68 -2.49 0.00	24.86 -1.05 1.53	25.69 -0.49 0.00	16.54 -0.65 0.12	15.82 -0.61 0.44
UPPER HUDSON___HYD 24058	16.33 0.37 0.00	16.71 0.34 0.00	11.90 0.28 0.00	11.56 0.28 0.00	14.20 0.39 0.00	20.49 0.71 0.00	19.48 0.76 0.00	19.70 0.71 0.00	15.60 0.42 0.00	15.01 0.29 0.00	14.28 0.20 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.64 0.01 0.00	12.19 0.06 0.00	13.61 0.13 0.00	17.59 0.30 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.74 2.57 0.00	28.51 1.07 0.00	27.04 0.86 0.00	17.69 0.38 0.00	17.17 0.31 0.00
UPPER RAQUET___HYD 24056	15.27 -0.69 0.00	15.67 -0.70 0.00	11.08 -0.54 0.00	10.77 -0.51 0.00	13.22 -0.60 0.00	18.91 -0.87 0.00	17.85 -0.87 0.00	18.06 -0.93 0.00	14.42 -0.75 0.00	13.93 -0.79 0.00	13.31 -0.76 0.00	3.01 -0.17 0.00	2.68 -0.15 0.00	3.45 -0.18 0.00	11.56 -0.57 0.00	12.87 -0.61 0.00	16.55 -0.74 0.00	17.58 -0.59 0.00	31.06 -0.86 0.00	65.02 -2.15 0.00	26.48 -0.96 0.00	25.21 -0.97 0.00	16.58 -0.73 0.00	16.13 -0.74 0.00
VALLEY44_115KV_TB2 355964	15.65 -0.19 0.12	16.06 -0.29 0.01	11.14 -0.29 0.19	11.00 -0.29 0.00	13.29 -0.44 0.09	15.97 -0.54 3.27	15.91 -0.76 2.06	17.59 -0.55 0.85	14.60 -0.54 0.02	14.45 -0.27 0.00	13.91 -0.17 0.00	3.20 0.02 0.00	2.88 0.05 0.00	3.71 0.07 0.00	12.13 0.00 0.00	13.39 -0.09 0.00	17.21 -0.07 0.00	17.85 -0.31 0.00	31.00 -0.92 0.00	66.13 -1.04 0.00	26.05 -0.53 0.86	26.27 0.09 0.00	17.16 -0.08 0.07	16.60 -0.02 0.24



VALLEY___115KV_TB 1-4 80826	16.13 0.17 0.00	16.53 0.16 0.00	11.73 0.11 0.00	11.39 0.10 0.00	13.93 0.12 0.00	20.01 0.23 0.00	19.00 0.28 0.00	19.24 0.24 0.00	15.27 0.10 0.00	14.76 0.04 0.00	14.09 0.02 0.00	3.16 -0.03 0.00	2.79 -0.03 0.00	3.58 -0.06 0.00	11.94 -0.19 0.00	13.31 -0.17 0.00	17.02 -0.27 0.00	18.00 -0.17 0.00	31.86 -0.06 0.00	67.64 0.47 0.00	27.65 0.21 0.00	26.25 0.07 0.00	17.18 -0.14 0.00	16.71 -0.15 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	16.60 0.64 0.00	17.02 0.66 0.00	12.09 0.47 0.00	11.73 0.45 0.00	14.37 0.55 0.00	20.58 0.80 0.00	19.51 0.79 0.00	19.79 0.80 0.00	15.76 0.59 0.00	15.33 0.61 0.00	14.64 0.57 0.00	3.31 0.12 0.00	2.93 0.11 0.00	3.77 0.14 0.00	12.61 0.48 0.00	14.00 0.52 0.00	17.89 0.60 0.00	18.75 0.58 0.00	32.98 1.06 0.00	69.71 2.54 0.00	28.48 1.04 0.00	27.16 0.98 0.00	17.91 0.59 0.00	17.48 0.62 0.00
VISCHER___FERRY HYD 24020	16.36 0.39 0.00	16.81 0.45 0.00	11.96 0.33 0.00	11.61 0.33 0.00	14.21 0.40 0.00	20.40 0.62 0.00	19.34 0.62 0.00	19.60 0.60 0.00	15.59 0.41 0.00	15.06 0.34 0.00	14.40 0.33 0.00	3.24 0.06 0.00	2.87 0.04 0.00	3.68 0.04 0.00	12.30 0.17 0.00	13.71 0.23 0.00	17.59 0.30 0.00	18.51 0.34 0.00	32.53 0.61 0.00	68.92 1.75 0.00	28.20 0.76 0.00	26.81 0.63 0.00	17.69 0.38 0.00	17.25 0.39 0.00
V_A_10_SYNC_DSASP 323832	14.52 -1.26 0.19	15.01 -1.34 0.02	10.34 -0.99 0.30	10.32 -0.96 0.00	12.44 -1.23 0.14	13.06 -1.54 5.18	14.04 -1.43 3.26	16.26 -1.37 1.36	14.00 -1.13 0.04	13.70 -1.02 0.00	13.13 -0.95 0.00	3.04 -0.15 0.00	2.75 -0.08 0.00	3.53 -0.10 0.00	11.55 -0.58 0.00	12.66 -0.82 0.00	16.19 -1.10 0.00	16.86 -1.31 0.00	29.49 -2.44 0.00	62.68 -4.49 0.00	24.20 -1.87 1.37	25.06 -1.12 0.00	16.12 -1.08 0.11	15.49 -0.99 0.39
V_CMM_10_SYNC_DSASP 323787	15.77 -0.20 0.00	16.19 -0.17 0.00	11.47 -0.15 0.00	11.15 -0.14 0.00	13.65 -0.16 0.00	19.51 -0.27 0.00	18.42 -0.31 0.00	18.67 -0.32 0.00	14.98 -0.19 0.00	14.52 -0.21 0.00	13.89 -0.19 0.00	3.15 -0.04 0.00	2.80 -0.02 0.00	3.61 -0.02 0.00	12.06 -0.06 0.00	13.38 -0.10 0.00	17.15 -0.13 0.00	18.07 -0.10 0.00	31.78 -0.14 0.00	66.38 -0.79 0.00	27.09 -0.35 0.00	25.90 -0.28 0.00	17.13 -0.18 0.00	16.65 -0.21 0.00
V_CMP_10_SYNC_DSASP 323788	15.38 -0.58 0.00	15.65 -0.72 0.00	11.09 -0.53 0.00	10.81 -0.48 0.00	13.42 -0.39 0.00	19.45 -0.34 0.00	18.17 -0.56 0.00	18.39 -0.61 0.00	14.59 -0.58 0.00	13.90 -0.82 0.00	13.31 -0.77 0.00	3.00 -0.18 0.00	2.66 -0.17 0.00	3.47 -0.16 0.00	11.72 -0.41 0.00	13.00 -0.48 0.00	16.76 -0.52 0.00	18.23 0.06 0.00	33.36 1.44 0.00	70.23 3.07 0.00	28.44 1.00 0.00	26.49 0.31 0.00	16.81 -0.50 0.00	16.31 -0.56 0.00
V_D_10_SYNC_DSASP 323841	15.79 -0.17 0.00	16.22 -0.14 0.00	11.48 -0.13 0.00	11.16 -0.13 0.00	13.67 -0.14 0.00	19.54 -0.24 0.00	18.45 -0.28 0.00	18.70 -0.30 0.00	14.98 -0.19 0.00	14.51 -0.21 0.00	13.88 -0.19 0.00	3.15 -0.04 0.00	2.80 -0.03 0.00	3.61 -0.03 0.00	12.06 -0.06 0.00	13.39 -0.09 0.00	17.18 -0.11 0.00	18.11 -0.06 0.00	31.87 -0.05 0.00	66.57 -0.60 0.00	27.17 -0.27 0.00	25.96 -0.22 0.00	17.16 -0.15 0.00	16.68 -0.19 0.00
V_E_10_SYNC_DSASP 323830	17.14 1.18 0.00	17.46 1.09 0.00	12.31 0.69 0.00	11.84 0.55 0.00	14.44 0.63 0.00	20.76 0.97 0.00	19.77 1.04 0.00	19.98 0.98 0.00	15.74 0.57 0.00	15.18 0.46 0.00	14.46 0.38 0.00	3.24 0.05 0.00	2.88 0.05 0.00	3.65 0.02 0.00	12.22 0.09 0.00	13.67 0.19 0.00	17.65 0.36 0.00	18.83 0.66 0.00	33.51 1.59 0.00	71.50 4.34 0.00	29.14 1.70 0.00	27.82 1.64 0.00	18.04 0.73 0.00	18.05 1.19 0.00
V_F_30_NSYNC___DSASP 323816	16.48 0.52 0.00	16.91 0.54 0.00	12.03 0.41 0.00	11.69 0.40 0.00	14.32 0.50 0.00	20.59 0.81 0.00	19.54 0.82 0.00	19.77 0.78 0.00	15.69 0.52 0.00	15.14 0.42 0.00	14.44 0.37 0.00	3.25 0.06 0.00	2.88 0.05 0.00	3.69 0.06 0.00	12.35 0.22 0.00	13.77 0.28 0.00	17.73 0.45 0.00	18.69 0.52 0.00	32.96 1.04 0.00	69.84 2.67 0.00	28.56 1.12 0.00	27.14 0.96 0.00	17.85 0.53 0.00	17.37 0.51 0.00
V_F_30_SYNC_DSASP 323786	16.18 0.21 0.00	16.59 0.22 0.00	11.80 0.18 0.00	11.47 0.18 0.00	14.04 0.23 0.00	20.06 0.28 0.00	19.09 0.36 0.00	19.31 0.32 0.00	15.42 0.25 0.00	14.93 0.21 0.00	14.30 0.23 0.00	3.23 0.05 0.00	2.87 0.04 0.00	3.67 0.04 0.00	12.29 0.16 0.00	13.68 0.20 0.00	17.46 0.17 0.00	18.32 0.15 0.00	32.16 0.24 0.00	68.11 0.95 0.00	27.84 0.40 0.00	26.44 0.26 0.00	17.52 0.20 0.00	17.06 0.19 0.00
V_XM_10_SYNC_DSASP 323789	15.38 -0.58 0.00	15.65 -0.72 0.00	11.09 -0.53 0.00	10.81 -0.48 0.00	13.42 -0.39 0.00	19.45 -0.34 0.00	18.17 -0.56 0.00	18.39 -0.61 0.00	14.59 -0.58 0.00	13.90 -0.82 0.00	13.31 -0.77 0.00	3.00 -0.18 0.00	2.66 -0.17 0.00	3.47 -0.16 0.00	11.72 -0.41 0.00	13.00 -0.48 0.00	16.76 -0.52 0.00	18.23 0.06 0.00	33.36 1.44 0.00	70.23 3.07 0.00	28.44 1.00 0.00	26.49 0.31 0.00	16.81 -0.50 0.00	16.31 -0.56 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	16.87 0.90 0.00	17.25 0.88 0.00	12.29 0.67 0.00	11.93 0.64 0.00	14.61 0.79 0.00	20.90 1.12 0.00	19.83 1.10 0.00	20.16 1.17 0.00	16.07 0.90 0.00	15.65 0.93 0.00	14.97 0.89 0.00	3.38 0.19 0.00	2.98 0.16 0.00	3.82 0.19 0.00	12.80 0.67 0.00	14.26 0.78 0.00	18.33 1.05 0.00	19.17 1.00 0.00	33.60 1.68 0.00	71.09 3.92 0.00	29.04 1.60 0.00	27.55 1.37 0.00	18.24 0.93 0.00	17.81 0.94 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	16.99 1.02 0.00	17.37 1.00 0.00	12.38 0.76 0.00	12.02 0.73 0.00	14.75 0.93 0.00	21.04 1.25 0.00	20.00 1.28 0.00	20.36 1.37 0.00	16.26 1.09 0.00	16.14 1.14 -0.28	16.71 1.09 -1.55	7.86 0.23 -4.45	15.97 0.20 -12.95	14.54 0.24 -10.67	16.57 0.82 -3.61	17.17 0.94 -2.75	19.10 1.20 -0.61	19.35 1.18 0.00	33.82 1.90 0.00	72.11 4.59 -0.35	29.31 1.87 0.00	27.67 1.49 0.00	18.37 1.06 0.00	17.93 1.06 0.00
W50THST__13_KV_LOAD 356117	17.08 1.11 0.00	17.46 1.09 0.00	12.44 0.82 0.00	12.08 0.79 0.00	14.82 1.01 0.00	21.14 1.36 0.00	20.12 1.39 0.00	20.49 1.49 0.00	16.37 1.20 0.00	16.26 1.26 -0.28	16.83 1.20 -1.55	7.90 0.26 -4.45	16.01 0.22 -12.96	14.58 0.27 -10.68	16.67 0.93 -3.62	17.29 1.05 -2.75	19.24 1.34 -0.61	19.49 1.32 0.00	34.06 2.14 0.00	72.56 5.04 -0.35	29.48 2.05 0.00	27.84 1.66 0.00	18.47 1.16 0.00	18.02 1.16 0.00
WADING RIVER_IC_1 23522	16.99 1.03 0.00	17.41 1.04 0.00	12.51 0.89 0.00	12.14 0.85 0.00	14.80 0.99 0.00	21.01 1.22 0.00	19.93 1.20 0.00	20.25 1.25 0.00	16.14 0.96 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.81 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.53 0.00	71.12 3.95 0.00	29.04 1.60 0.00	27.59 1.40 0.00	18.52 1.21 0.00	18.16 1.30 0.00



WADING RIVER_IC_2 23547	16.99 1.03 0.00	17.41 1.04 0.00	12.51 0.89 0.00	12.14 0.85 0.00	14.80 0.99 0.00	21.01 1.22 0.00	19.93 1.20 0.00	20.25 1.25 0.00	16.14 0.96 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.81 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.53 0.00	71.12 3.95 0.00	29.04 1.60 0.00	27.59 1.40 0.00	18.52 1.21 0.00	18.16 1.30 0.00
WADING RIVER_IC_3 23601	16.99 1.03 0.00	17.41 1.04 0.00	12.51 0.89 0.00	12.14 0.85 0.00	14.80 0.99 0.00	21.01 1.22 0.00	19.93 1.20 0.00	20.25 1.25 0.00	16.14 0.96 0.00	15.97 1.25 0.00	15.21 1.14 0.00	3.41 0.23 0.00	3.01 0.18 0.00	3.83 0.20 0.00	12.81 0.68 0.00	14.17 0.69 0.00	18.37 1.09 0.00	19.15 0.98 0.00	33.45 1.53 0.00	71.12 3.95 0.00	29.04 1.60 0.00	27.59 1.40 0.00	18.52 1.21 0.00	18.16 1.30 0.00
WALDENNY_I2_KV_BK2 80841	14.86 -0.96 0.15	15.28 -1.08 0.01	10.56 -0.83 0.23	10.47 -0.82 0.00	12.64 -1.07 0.11	14.44 -1.31 4.03	14.89 -1.31 2.53	16.76 -1.18 1.05	14.17 -0.98 0.03	13.91 -0.81 0.00	13.32 -0.75 0.00	3.08 -0.10 0.00	2.79 -0.04 0.00	3.59 -0.05 0.00	11.69 -0.44 0.00	12.84 -0.64 0.00	16.43 -0.85 0.00	17.09 -1.08 0.00	29.83 -2.09 0.00	63.71 -3.46 0.00	24.93 -1.45 1.06	25.54 -0.63 0.00	16.46 -0.77 0.08	15.87 -0.69 0.30
WALDEN___HYDRO 24148	16.86 0.90 0.00	17.25 0.88 0.00	12.28 0.66 0.00	11.93 0.64 0.00	14.61 0.80 0.00	20.92 1.14 0.00	19.86 1.14 0.00	20.18 1.19 0.00	16.06 0.89 0.00	15.60 0.88 0.00	14.90 0.83 0.00	3.36 0.17 0.00	2.97 0.14 0.00	3.81 0.17 0.00	12.74 0.61 0.00	14.20 0.72 0.00	18.25 0.96 0.00	19.13 0.96 0.00	33.59 1.67 0.00	71.20 4.03 0.00	29.10 1.66 0.00	27.62 1.43 0.00	18.25 0.94 0.00	17.80 0.94 0.00
WARRENSBURG___ 23737	16.33 0.37 0.00	16.71 0.34 0.00	11.90 0.28 0.00	11.56 0.28 0.00	14.20 0.39 0.00	20.49 0.71 0.00	19.48 0.76 0.00	19.70 0.71 0.00	15.60 0.42 0.00	15.01 0.29 0.00	14.28 0.20 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.64 0.01 0.00	12.19 0.06 0.00	13.61 0.13 0.00	17.59 0.30 0.00	18.60 0.43 0.00	32.83 0.91 0.00	69.74 2.57 0.00	28.51 1.07 0.00	27.04 0.86 0.00	17.69 0.38 0.00	17.17 0.31 0.00
WATERSIDE___6 8 9 23538	16.99 1.03 0.00	17.38 1.01 0.00	12.39 0.77 0.00	12.03 0.74 0.00	14.75 0.93 0.00	21.02 1.23 0.00	20.01 1.28 0.00	20.37 1.37 0.00	16.28 1.11 0.00	16.15 1.15 -0.28	16.75 1.09 -1.58	7.97 0.24 -4.55	16.26 0.20 -13.24	14.78 0.24 -10.91	16.65 0.83 -3.69	17.23 0.94 -2.81	19.12 1.21 -0.63	19.36 1.19 0.00	33.82 1.90 0.00	72.04 4.51 -0.36	29.30 1.86 0.00	27.70 1.52 0.00	18.39 1.08 0.00	17.93 1.07 0.00
WATKINRD_115KV_LN8_ILLION 55919	16.10 0.13 0.00	16.50 0.13 0.00	11.73 0.10 0.00	11.39 0.10 0.00	13.93 0.12 0.00	19.99 0.21 0.00	18.97 0.25 0.00	19.22 0.22 0.00	15.28 0.11 0.00	14.78 0.06 0.00	14.12 0.04 0.00	3.18 -0.01 0.00	2.81 -0.02 0.00	3.61 -0.03 0.00	12.04 -0.10 0.00	13.39 -0.08 0.00	17.18 -0.10 0.00	18.12 -0.05 0.00	31.97 0.06 0.00	67.71 0.54 0.00	27.67 0.23 0.00	26.32 0.14 0.00	17.32 0.01 0.00	16.87 0.00 0.00
WATSON___69_KV_BK 1 55734	17.19 1.23 0.00	17.61 1.24 0.00	12.63 1.01 0.00	12.26 0.97 0.00	14.95 1.14 0.00	21.25 1.47 0.00	20.20 1.48 0.00	20.50 1.51 0.00	16.32 1.15 0.00	16.04 1.32 0.00	15.32 1.24 0.00	3.44 0.26 0.00	3.04 0.21 0.00	3.87 0.24 0.00	12.94 0.81 0.00	14.36 0.88 0.00	18.64 1.35 0.00	19.45 1.28 0.00	33.92 2.01 0.00	72.00 4.83 0.00	29.39 1.96 0.00	27.96 1.78 0.00	18.65 1.34 0.00	18.25 1.38 0.00
WDELAWARE___HYD 323627	16.49 0.52 0.00	16.87 0.50 0.00	12.01 0.39 0.00	11.67 0.38 0.00	14.29 0.48 0.00	20.49 0.70 0.00	19.46 0.74 0.00	19.79 0.79 0.00	15.71 0.54 0.00	15.21 0.49 0.00	14.47 0.39 0.00	3.26 0.08 0.00	2.88 0.06 0.00	3.70 0.06 0.00	12.37 0.24 0.00	13.76 0.28 0.00	17.69 0.40 0.00	18.57 0.40 0.00	32.77 0.85 0.00	69.48 2.31 0.00	28.43 0.99 0.00	27.00 0.81 0.00	17.83 0.51 0.00	17.35 0.49 0.00
WEST BABYLON___IC 23714	17.15 1.18 0.00	17.57 1.20 0.00	12.59 0.97 0.00	12.22 0.93 0.00	14.90 1.09 0.00	21.18 1.40 0.00	20.14 1.41 0.00	20.44 1.44 0.00	16.28 1.10 0.00	15.99 1.26 0.00	15.28 1.20 0.00	3.43 0.25 0.00	3.03 0.20 0.00	3.87 0.23 0.00	12.94 0.80 0.00	14.36 0.88 0.00	18.62 1.33 0.00	19.43 1.26 0.00	33.87 1.95 0.00	71.82 4.65 0.00	29.34 1.90 0.00	27.90 1.72 0.00	18.59 1.28 0.00	18.19 1.32 0.00
WEST CANADA___HYD 24049	16.01 0.04 0.00	16.42 0.05 0.00	11.66 0.04 0.00	11.32 0.03 0.00	13.85 0.04 0.00	19.85 0.06 0.00	18.80 0.08 0.00	19.07 0.07 0.00	15.21 0.04 0.00	14.76 0.04 0.00	14.11 0.03 0.00	3.19 0.00 0.00	2.83 0.00 0.00	3.63 0.00 0.00	12.13 0.00 0.00	13.49 0.01 0.00	17.30 0.01 0.00	18.19 0.02 0.00	31.96 0.04 0.00	67.44 0.27 0.00	27.55 0.11 0.00	26.26 0.07 0.00	17.34 0.03 0.00	16.91 0.04 0.00
WESTERN_NY_WIND 24143	14.93 -0.86 0.18	15.39 -0.96 0.02	10.62 -0.72 0.28	10.59 -0.70 0.00	12.78 -0.90 0.13	13.81 -1.00 4.97	14.68 -0.91 3.13	16.87 -0.82 1.30	14.37 -0.76 0.04	14.03 -0.69 0.00	13.46 -0.62 0.00	3.10 -0.09 0.00	2.79 -0.03 0.00	3.60 -0.03 0.00	11.85 -0.28 0.00	12.94 -0.54 0.00	16.63 -0.66 0.00	17.39 -0.78 0.00	30.42 -1.50 0.00	64.79 -2.38 0.00	25.13 -1.00 1.32	25.88 -0.30 0.00	16.59 -0.62 0.10	15.93 -0.56 0.37
WESTOVER___LESR 323668	16.36 0.39 0.00	16.74 0.37 0.00	11.85 0.23 0.00	11.52 0.23 0.00	14.10 0.29 0.00	20.19 0.40 0.00	19.01 0.28 0.00	19.46 0.46 0.00	15.42 0.25 0.00	15.10 0.38 0.00	14.46 0.39 0.00	3.28 0.10 0.00	2.92 0.09 0.00	3.77 0.13 0.00	12.57 0.44 0.00	13.89 0.41 0.00	17.66 0.37 0.00	18.53 0.36 0.00	32.52 0.60 0.00	69.07 1.90 0.00	28.13 0.70 0.00	27.04 0.86 0.00	17.79 0.47 0.00	17.30 0.43 0.00
WETHRSFD_WT_PWR 323626	15.01 -0.86 0.09	15.29 -1.07 0.01	10.58 -0.89 0.15	10.40 -0.89 0.00	12.59 -1.16 0.07	15.68 -1.52 2.58	15.61 -1.49 1.62	16.92 -1.41 0.66	14.02 -1.14 0.02	13.74 -0.98 0.00	13.04 -1.04 0.00	2.99 -0.20 0.00	2.70 -0.13 0.00	3.48 -0.15 0.00	11.40 -0.73 0.00	12.53 -0.95 0.00	16.10 -1.19 0.00	16.82 -1.35 0.00	29.43 -2.49 0.00	62.90 -4.27 0.00	25.16 -1.61 0.67	25.49 -0.69 0.00	16.51 -0.75 0.05	15.92 -0.75 0.19
WHAVSTOR_138KV_BK127 55557	16.81 0.85 0.00	17.19 0.82 0.00	12.25 0.63 0.00	11.89 0.60 0.00	14.56 0.74 0.00	20.83 1.04 0.00	19.75 1.03 0.00	20.08 1.09 0.00	16.01 0.83 0.00	15.59 0.87 0.00	14.91 0.83 0.00	3.36 0.18 0.00	2.97 0.15 0.00	3.81 0.17 0.00	12.75 0.62 0.00	14.21 0.73 0.00	18.25 0.96 0.00	19.08 0.91 0.00	33.45 1.53 0.00	70.76 3.59 0.00	28.91 1.47 0.00	27.42 1.24 0.00	18.17 0.86 0.00	17.74 0.88 0.00



WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	16.81 0.85 0.00	17.19 0.82 0.00	12.25 0.63 0.00	11.89 0.60 0.00	14.56 0.74 0.00	20.83 1.04 0.00	19.75 1.03 0.00	20.08 1.09 0.00	16.01 0.83 0.00	15.59 0.87 0.00	14.91 0.83 0.00	3.36 0.18 0.00	2.97 0.15 0.00	3.81 0.17 0.00	12.75 0.62 0.00	14.21 0.73 0.00	18.25 0.96 0.00	19.08 0.91 0.00	33.45 1.53 0.00	70.76 3.59 0.00	28.91 1.47 0.00	27.42 1.24 0.00	18.17 0.86 0.00	17.74 0.88 0.00
WHITEHAL_115KV_TB1 80871	16.58 0.61 0.00	16.83 0.46 0.00	12.05 0.43 0.00	11.70 0.41 0.00	14.43 0.62 0.00	21.01 1.22 0.00	20.01 1.29 0.00	20.21 1.22 0.00	15.93 0.76 0.00	15.18 0.46 0.00	14.34 0.26 0.00	3.21 0.02 0.00	2.84 0.01 0.00	3.65 0.01 0.00	12.21 0.07 0.00	13.70 0.22 0.00	17.88 0.60 0.00	19.05 0.88 0.00	33.62 1.70 0.00	71.84 4.67 0.00	29.36 1.92 0.00	27.76 1.58 0.00	17.88 0.56 0.00	17.25 0.38 0.00
WHITEPLN_13_KV_LOAD 356215	17.02 1.06 0.00	17.41 1.04 0.00	12.41 0.78 0.00	12.05 0.76 0.00	14.76 0.95 0.00	21.10 1.32 0.00	20.06 1.34 0.00	20.41 1.42 0.00	16.28 1.11 0.00	15.88 1.16 0.00	15.18 1.10 0.00	3.42 0.24 0.00	3.03 0.20 0.00	3.87 0.24 0.00	12.95 0.82 0.00	14.43 0.95 0.00	18.53 1.25 0.00	19.41 1.24 0.00	33.96 2.05 0.00	71.98 4.81 0.00	29.41 1.97 0.00	27.84 1.66 0.00	18.43 1.12 0.00	17.97 1.11 0.00
WM_FLOYD_69_KV_BK2 356380	17.11 1.15 0.00	17.54 1.17 0.00	12.59 0.97 0.00	12.23 0.94 0.00	14.90 1.09 0.00	21.17 1.38 0.00	20.11 1.38 0.00	20.40 1.41 0.00	16.24 1.07 0.00	16.01 1.28 0.00	15.26 1.19 0.00	3.43 0.24 0.00	3.02 0.19 0.00	3.84 0.21 0.00	12.85 0.72 0.00	14.25 0.77 0.00	18.49 1.20 0.00	19.29 1.12 0.00	33.68 1.77 0.00	71.59 4.42 0.00	29.24 1.80 0.00	27.80 1.62 0.00	18.61 1.30 0.00	18.23 1.36 0.00
WOODARD__115KV_TB2 355635	15.78 -0.19 0.00	16.16 -0.21 0.00	11.47 -0.15 0.00	11.14 -0.15 0.00	13.63 -0.18 0.00	19.56 -0.22 0.00	18.54 -0.19 0.00	18.86 -0.14 0.00	15.03 -0.14 0.00	14.58 -0.14 0.00	13.94 -0.14 0.00	3.15 -0.03 0.00	2.80 -0.03 0.00	3.60 -0.03 0.00	11.97 -0.16 0.00	13.33 -0.15 0.00	17.14 -0.15 0.00	18.03 -0.14 0.00	31.67 -0.25 0.00	66.95 -0.22 0.00	27.35 -0.09 0.00	26.15 -0.03 0.00	17.20 -0.11 0.00	16.75 -0.11 0.00
YORK___WARBASSE 23770	17.07 1.10 0.00	17.44 1.07 0.00	12.43 0.81 0.00	12.07 0.78 0.00	14.80 0.98 0.00	21.10 1.32 0.00	20.09 1.36 0.00	20.44 1.45 0.00	16.33 1.15 0.00	16.18 1.18 -0.28	16.78 1.12 -1.58	7.97 0.25 -4.55	16.27 0.21 -13.24	14.79 0.25 -10.91	16.68 0.86 -3.69	17.27 0.98 -2.81	19.18 1.27 -0.63	19.43 1.26 0.00	33.93 2.01 0.00	72.22 4.69 -0.36	29.40 1.97 0.00	27.83 1.65 0.00	18.48 1.16 0.00	18.00 1.14 0.00