

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

04/02/2024

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	22.95	20.66	19.78	19.68	20.04	22.77	28.44	32.50	32.80	32.09	30.90	30.75	30.36	29.29	28.20	27.94	30.27	32.59	32.75	34.97	34.62	28.89	25.32	23.44
24138	0.97	0.89	0.82	0.90	0.90	0.96	1.35	2.13	2.37	2.21	1.91	2.01	2.09	2.07	2.06	2.07	2.24	2.47	2.51	2.92	2.83	1.96	1.83	1.51
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	22.95	20.68	19.82	19.69	20.06	22.77	28.53	32.50	32.53	32.06	30.90	30.78	30.33	29.26	28.18	27.96	30.27	32.56	32.75	34.97	34.65	28.97	25.35	23.53
24260	0.97	0.91	0.85	0.92	0.92	0.96	1.44	2.13	2.10	2.18	1.91	2.04	2.06	2.04	2.04	2.10	2.24	2.44	2.51	2.92	2.86	2.05	1.86	1.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	22.95	20.68	19.82	19.69	20.06	22.77	28.53	32.50	32.53	32.06	30.90	30.78	30.33	29.26	28.18	27.96	30.27	32.56	32.75	34.97	34.65	28.97	25.35	23.53
24261	0.97	0.91	0.85	0.92	0.92	0.96	1.44	2.13	2.10	2.18	1.91	2.04	2.06	2.04	2.04	2.10	2.24	2.44	2.51	2.92	2.86	2.05	1.86	1.60
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	22.64	20.33	19.54	19.37	19.81	22.62	28.25	31.92	31.73	31.08	30.21	29.92	29.45	28.31	27.16	26.82	29.18	31.36	31.51	33.69	33.51	28.11	24.52	22.83
24011	0.66	0.55	0.57	0.60	0.67	0.81	1.16	1.55	1.31	1.20	1.22	1.18	1.19	1.09	1.02	0.96	1.15	1.23	1.27	1.63	1.72	1.18	1.03	0.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	22.70	20.39	19.59	19.43	19.87	22.71	28.36	32.07	32.01	31.19	30.35	30.04	29.59	28.42	27.26	26.90	29.29	31.48	31.60	33.81	33.67	28.19	24.62	22.85
23798	0.72	0.61	0.63	0.66	0.73	0.89	1.27	1.70	1.58	1.31	1.36	1.29	1.33	1.20	1.12	1.04	1.26	1.36	1.36	1.76	1.88	1.27	1.13	0.92
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.64	20.33	19.54	19.37	19.81	22.62	28.25	31.92	31.73	31.08	30.21	29.92	29.45	28.31	27.16	26.82	29.18	31.36	31.51	33.69	33.51	28.11	24.52	22.83
24028	0.66	0.55	0.57	0.60	0.67	0.81	1.16	1.55	1.31	1.20	1.22	1.18	1.19	1.09	1.02	0.96	1.15	1.23	1.27	1.63	1.72	1.18	1.03	0.90
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	22.53	20.31	19.52	19.37	19.77	22.51	27.98	31.83	31.73	30.81	29.89	29.60	29.14	28.09	26.97	26.69	29.15	31.45	31.66	33.78	33.48	28.08	24.52	22.81
23527	0.55	0.53	0.55	0.60	0.63	0.70	0.89	1.46	1.31	0.93	0.90	0.86	0.88	0.87	0.84	0.83	1.12	1.32	1.42	1.73	1.68	1.16	1.03	0.88
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.40	20.21	19.40	19.24	19.62	22.32	27.69	31.35	31.19	30.57	29.66	29.40	28.92	27.87	26.77	26.49	28.78	30.96	31.15	33.17	32.94	27.68	24.22	22.63
24190	0.42	0.44	0.44	0.47	0.48	0.50	0.60	0.97	0.76	0.69	0.67	0.66	0.65	0.65	0.63	0.62	0.76	0.84	0.91	1.12	1.14	0.75	0.73	0.70
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	21.89	19.69	18.87	18.70	19.06	21.73	26.95	29.98	30.18	29.85	28.90	28.60	28.10	27.06	25.96	25.71	27.86	29.94	29.91	31.44	31.16	26.66	23.23	21.64
355683	-0.09	-0.08	-0.09	-0.08	-0.08	-0.09	-0.14	-0.39	-0.24	-0.03	-0.09	-0.14	-0.17	-0.16	-0.18	-0.16	-0.17	-0.18	-0.33	-0.61	-0.64	-0.27	-0.26	-0.29
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.66	20.39	19.59	19.43	19.83	22.58	28.01	31.62	31.58	30.81	29.86	29.57	29.11	28.01	26.90	26.59	28.92	31.11	31.30	33.37	33.13	27.87	24.38	22.74
323833	0.68	0.61	0.63	0.66	0.69	0.76	0.92	1.25	1.16	0.93	0.87	0.83	0.85	0.79	0.76	0.72	0.90	0.99	1.06	1.31	1.34	0.94	0.89	0.81
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.66	20.39	19.59	19.43	19.83	22.56	28.01	31.62	31.58	30.78	29.86	29.57	29.11	28.01	26.90	26.59	28.92	31.11	31.30	33.34	33.13	27.87	24.38	22.72
323834	0.68	0.61	0.63	0.66	0.69	0.74	0.92	1.25	1.16	0.90	0.87	0.83	0.85	0.79	0.76	0.72	0.90	0.99	1.06	1.28	1.34	0.94	0.89	0.79
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.40	20.21	19.40	19.24	19.62	22.32	27.69	31.35	31.19	30.57	29.66	29.40	28.92	27.87	26.77	26.49	28.78	30.96	31.15	33.17	32.94	27.68	24.22	22.63
23571	0.42	0.44	0.44	0.47	0.48	0.50	0.60	0.97	0.76	0.69	0.67	0.66	0.65	0.65	0.63	0.62	0.76	0.84	0.91	1.12	1.14	0.75	0.73	0.70
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	22.40 0.42 0.00	20.21 0.44 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.69 0.60 0.00	31.35 0.97 0.00	31.19 0.76 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.68 0.75 0.00	24.22 0.73 0.00	22.63 0.70 0.00
ALBANY___3 23573	22.40 0.42 0.00	20.21 0.44 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.69 0.60 0.00	31.35 0.97 0.00	31.19 0.76 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.68 0.75 0.00	24.22 0.73 0.00	22.63 0.70 0.00
ALBANY___4 23574	22.40 0.42 0.00	20.21 0.44 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.69 0.60 0.00	31.35 0.97 0.00	31.19 0.76 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.68 0.75 0.00	24.22 0.73 0.00	22.63 0.70 0.00
ALBANY___LFGE 323615	22.55 0.57 0.00	20.33 0.55 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.73 0.59 0.00	22.47 0.65 0.00	27.88 0.79 0.00	31.59 1.22 0.00	31.58 1.16 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	27.00 0.86 0.00	26.67 0.80 0.00	29.01 0.98 0.00	31.20 1.08 0.00	31.36 1.12 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.87 0.94 0.00	24.38 0.89 0.00	22.70 0.77 0.00
ALCOA_PA_115KV_PL-6C 55860	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.77 -0.04 0.00	27.01 -0.08 0.00	30.07 -0.30 0.00	30.24 -0.18 0.00	29.91 0.03 0.00	28.93 -0.06 0.00	28.63 -0.11 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.76 -0.10 0.00	27.89 -0.14 0.00	29.97 -0.15 0.00	29.94 -0.30 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.68 -0.24 0.00	23.23 -0.26 0.00	21.64 -0.29 0.00
ALCOA_RYNLDS___DRP 24188	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.77 -0.04 0.00	27.01 -0.08 0.00	30.07 -0.30 0.00	30.24 -0.18 0.00	29.91 0.03 0.00	28.93 -0.06 0.00	28.63 -0.11 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.76 -0.10 0.00	27.89 -0.14 0.00	29.97 -0.15 0.00	29.94 -0.30 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.68 -0.24 0.00	23.23 -0.26 0.00	21.64 -0.29 0.00
ALCOA___DSASP 323711	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.77 -0.04 0.00	27.01 -0.08 0.00	30.07 -0.30 0.00	30.00 -0.43 0.00	29.79 -0.09 0.00	28.93 -0.06 0.00	28.63 -0.11 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.74 -0.13 0.00	27.89 -0.14 0.00	29.91 -0.21 0.00	29.91 -0.33 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.66 -0.27 0.00	23.23 -0.26 0.00	21.64 -0.29 0.00
ALLEGHENY___COGEN 23514	23.12 1.14 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.58 0.81 0.00	19.98 0.84 0.00	22.97 1.16 0.00	28.36 1.27 0.00	31.53 1.15 0.00	31.43 1.00 0.00	30.15 0.27 0.00	29.05 0.06 0.00	28.83 0.09 0.00	28.21 -0.06 0.00	27.06 -0.16 0.00	25.96 -0.18 0.00	25.79 -0.08 0.00	27.77 -0.25 0.00	30.12 0.00 0.00	30.54 0.30 0.00	32.88 0.83 0.00	32.72 0.92 0.00	27.44 0.51 0.00	23.84 0.35 0.00	22.45 0.53 0.00
ALTAMONT_115KV_TB 2 55880	22.42 0.44 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.21 0.43 0.00	19.58 0.44 0.00	22.29 0.48 0.00	27.71 0.62 0.00	31.31 0.94 0.00	31.22 0.79 0.00	30.60 0.72 0.00	29.66 0.67 0.00	29.43 0.69 0.00	28.94 0.68 0.00	27.90 0.68 0.00	26.79 0.65 0.00	26.54 0.67 0.00	28.81 0.78 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.71 0.78 0.00	24.20 0.70 0.00	22.61 0.68 0.00
ALTONA_WT_PWR 323606	22.75 0.77 0.00	20.43 0.65 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.58 0.76 0.00	27.47 0.38 0.00	30.59 0.21 0.00	30.49 0.06 0.00	30.95 1.07 0.00	29.80 0.81 0.00	29.29 0.54 0.00	28.69 0.42 0.00	27.60 0.38 0.00	26.50 0.37 0.00	26.25 0.39 0.00	28.39 0.36 0.00	30.57 0.45 0.00	30.48 0.24 0.00	32.02 -0.03 0.00	31.41 -0.38 0.00	26.71 -0.22 0.00	23.09 -0.40 0.00	21.45 -0.48 0.00
AMERICAN_REF_FUEL 24010	21.45 -0.53 0.00	19.22 -0.55 0.00	18.40 -0.57 0.00	18.19 -0.58 0.00	18.56 -0.57 0.00	21.29 -0.52 0.00	26.01 -1.08 0.00	28.61 -1.76 0.00	28.91 -1.52 0.00	28.00 -1.88 0.00	27.05 -1.94 0.00	26.93 -1.81 0.00	26.40 -1.87 0.00	25.31 -1.91 0.00	24.18 -1.96 0.00	24.08 -1.78 0.00	25.62 -2.41 0.00	27.23 -2.89 0.00	27.46 -2.78 0.00	29.59 -2.47 0.00	29.50 -2.29 0.00	24.96 -1.96 0.00	21.68 -1.81 0.00	20.72 -1.21 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	22.51 0.53 0.00	20.15 0.37 0.00	19.25 0.28 0.00	19.07 0.30 0.00	19.41 0.27 0.00	22.27 0.46 0.00	27.23 0.14 0.00	29.95 -0.43 0.00	30.24 -0.18 0.00	29.16 -0.72 0.00	28.21 -0.78 0.00	28.05 -0.69 0.00	27.42 -0.85 0.00	26.27 -0.95 0.00	25.07 -1.07 0.00	24.83 -1.04 0.00	26.49 -1.54 0.00	28.13 -1.99 0.00	28.24 -2.00 0.00	30.55 -1.51 0.00	30.43 -1.37 0.00	25.61 -1.32 0.00	22.15 -1.34 0.00	21.18 -0.75 0.00
ARTHUR KILL_GT_1 23520	22.95 0.97 0.00	20.64 0.87 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.58 0.76 0.00	28.20 1.11 0.00	32.26 1.88 0.00	32.52 2.10 0.00	31.85 1.97 0.00	30.61 1.62 0.00	30.49 1.75 0.00	30.16 1.89 0.00	29.12 1.90 0.00	28.10 1.96 0.00	27.91 2.04 0.00	30.27 2.24 0.00	32.68 2.56 0.00	32.87 2.63 0.00	34.84 2.79 0.00	34.62 2.83 0.00	29.00 2.07 0.00	25.46 1.97 0.00	23.46 1.53 0.00
ARTHUR_KILL_2 23512	22.88 0.90 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.54 0.77 0.00	19.92 0.78 0.00	22.51 0.70 0.00	28.12 1.03 0.00	32.16 1.79 0.00	32.43 2.01 0.00	31.76 1.88 0.00	30.53 1.54 0.00	30.44 1.70 0.00	30.08 1.81 0.00	29.04 1.82 0.00	28.02 1.88 0.00	27.83 1.96 0.00	30.19 2.16 0.00	32.56 2.44 0.00	32.78 2.54 0.00	34.71 2.66 0.00	34.53 2.73 0.00	28.92 1.99 0.00	25.39 1.90 0.00	23.40 1.47 0.00
ARTHUR_KILL_3 23513	22.75 0.77 0.00	20.52 0.75 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.58 0.76 0.00	28.20 1.11 0.00	32.20 1.82 0.00	32.50 2.07 0.00	31.79 1.91 0.00	30.64 1.65 0.00	30.49 1.75 0.00	30.08 1.81 0.00	29.02 1.80 0.00	27.94 1.80 0.00	27.68 1.81 0.00	30.02 1.99 0.00	32.29 2.17 0.00	32.48 2.24 0.00	34.68 2.63 0.00	34.34 2.54 0.00	28.65 1.72 0.00	25.13 1.64 0.00	23.24 1.32 0.00



ARTHUR_KILL_COGEN 323718	22.95 0.97 0.00	20.64 0.87 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.58 0.76 0.00	28.20 1.11 0.00	32.26 1.88 0.00	32.52 2.10 0.00	31.85 1.97 0.00	30.61 1.62 0.00	30.49 1.75 0.00	30.16 1.89 0.00	29.12 1.90 0.00	28.10 1.96 0.00	27.91 2.04 0.00	30.27 2.24 0.00	32.68 2.56 0.00	32.87 2.63 0.00	34.84 2.79 0.00	34.62 2.83 0.00	29.00 2.07 0.00	25.46 1.97 0.00	23.46 1.53 0.00
ASHOKAN____ 23654	22.68 0.70 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.83 0.69 0.00	22.53 0.72 0.00	28.15 1.06 0.00	31.74 1.37 0.00	31.61 1.19 0.00	30.69 0.81 0.00	29.57 0.58 0.00	29.29 0.54 0.00	28.80 0.54 0.00	27.74 0.52 0.00	26.69 0.55 0.00	26.18 0.31 0.00	28.47 0.45 0.00	30.84 0.72 0.00	31.06 0.82 0.00	33.11 1.06 0.00	32.87 1.08 0.00	27.57 0.65 0.00	24.15 0.66 0.00	22.52 0.59 0.00
ASTORIA_EAST_ENERGY_CC1 323581	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.51 0.73 0.00	19.88 0.75 0.00	22.42 0.61 0.00	28.00 0.92 0.01	32.03 1.67 0.01	32.31 1.89 0.01	31.63 1.76 0.01	30.46 1.48 0.01	30.31 1.58 0.01	29.92 1.67 0.01	28.87 1.66 0.01	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.01	32.16 2.05 0.01	32.36 2.12 0.00	34.55 2.50 0.00	34.17 2.39 0.01	28.57 1.64 0.00	25.21 1.71 0.00	23.24 1.32 0.00
ASTORIA_EAST_ENERGY_CC2 323582	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.51 0.73 0.00	19.88 0.75 0.00	22.42 0.61 0.00	28.00 0.92 0.01	32.03 1.67 0.01	32.31 1.89 0.01	31.63 1.76 0.01	30.46 1.48 0.01	30.31 1.58 0.01	29.92 1.67 0.01	28.87 1.66 0.01	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.01	32.16 2.05 0.01	32.36 2.12 0.00	34.55 2.50 0.00	34.17 2.39 0.01	28.57 1.64 0.00	25.21 1.71 0.00	23.24 1.32 0.00
ASTORIA_GT2_1 24094	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT2_2 24095	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT2_3 24096	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT2_4 24097	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT3_1 24098	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT3_2 24099	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT3_3 24100	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT3_4 24101	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT4_1 24102	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT4_2 24103	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT4_3 24104	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00



ASTORIA_GT4_4 24105	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.62 0.84 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.09 1.00 0.00	32.04 1.67 0.00	32.07 1.64 0.00	31.64 1.76 0.00	30.50 1.51 0.00	30.38 1.64 0.00	29.93 1.67 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.65 1.78 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.21 2.42 0.00	28.70 1.78 0.00	25.23 1.74 0.00	23.46 1.54 0.00
ASTORIA_GT_1 23523	22.82 0.84 0.00	20.58 0.81 0.00	19.67 0.70 0.00	19.54 0.77 0.00	19.92 0.78 0.00	22.47 0.65 0.00	28.06 0.97 0.01	32.10 1.73 0.01	32.39 1.98 0.01	31.70 1.82 0.01	30.52 1.54 0.01	30.37 1.64 0.01	29.98 1.72 0.01	28.95 1.74 0.01	27.89 1.75 0.00	27.65 1.78 0.00	29.95 1.93 0.01	32.22 2.11 0.01	32.42 2.18 0.00	34.62 2.57 0.00	34.23 2.45 0.01	28.62 1.70 0.00	25.25 1.76 0.00	23.29 1.36 0.00
ASTORIA_GT_10 24110	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.87 1.94 0.00	25.28 1.79 0.00	23.46 1.54 0.00
ASTORIA_GT_11 24225	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.87 1.94 0.00	25.28 1.79 0.00	23.46 1.54 0.00
ASTORIA_GT_12 24226	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.87 1.94 0.00	25.28 1.79 0.00	23.46 1.54 0.00
ASTORIA_GT_13 24227	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.87 1.94 0.00	25.28 1.79 0.00	23.46 1.54 0.00
ASTORIA_GT_5 24106	22.82 0.84 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.64 0.86 0.00	19.92 0.78 0.00	22.47 0.65 0.00	28.15 1.06 0.00	32.10 1.73 0.00	32.13 1.70 0.00	31.70 1.82 0.00	30.53 1.54 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.96 1.74 0.00	27.89 1.75 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.23 2.11 0.00	32.42 2.18 0.00	34.62 2.56 0.00	34.27 2.48 0.00	28.73 1.80 0.00	25.28 1.79 0.00	23.51 1.58 0.00
ASTORIA_GT_7 24107	22.82 0.84 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.64 0.86 0.00	19.92 0.78 0.00	22.47 0.65 0.00	28.15 1.06 0.00	32.10 1.73 0.00	32.13 1.70 0.00	31.70 1.82 0.00	30.53 1.54 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.96 1.74 0.00	27.89 1.75 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.23 2.11 0.00	32.42 2.18 0.00	34.62 2.56 0.00	34.27 2.48 0.00	28.73 1.80 0.00	25.28 1.79 0.00	23.51 1.58 0.00
ASTORIA_GT_8 24108	22.82 0.84 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.64 0.86 0.00	19.92 0.78 0.00	22.47 0.65 0.00	28.15 1.06 0.00	32.10 1.73 0.00	32.13 1.70 0.00	31.70 1.82 0.00	30.53 1.54 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.96 1.74 0.00	27.89 1.75 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.23 2.11 0.00	32.42 2.18 0.00	34.62 2.56 0.00	34.27 2.48 0.00	28.73 1.80 0.00	25.28 1.79 0.00	23.51 1.58 0.00
ASTORIA___2 24149	22.77 0.79 0.00	20.54 0.77 0.00	19.65 0.68 0.00	19.53 0.75 0.00	19.88 0.75 0.00	22.45 0.63 0.00	28.03 0.95 0.01	32.03 1.67 0.01	32.34 1.92 0.01	31.63 1.76 0.01	30.46 1.48 0.01	30.34 1.61 0.01	29.92 1.67 0.01	28.90 1.69 0.01	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.01	32.16 2.05 0.01	32.36 2.12 0.00	34.55 2.50 0.00	34.17 2.39 0.01	28.60 1.67 0.00	25.21 1.71 0.00	23.27 1.34 0.00
ASTORIA___3 23516	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.29 1.91 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.55 1.81 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.78 1.86 0.00	25.28 1.78 0.00	23.35 1.42 0.00
ASTORIA___4 23517	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.87 1.94 0.00	25.28 1.79 0.00	23.46 1.54 0.00
ASTORIA___5 23518	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.29 1.91 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.55 1.81 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.78 1.86 0.00	25.28 1.78 0.00	23.35 1.42 0.00
AST_ENERGY_2_CC3 323677	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.64 0.83 0.00	28.25 1.16 0.00	32.26 1.88 0.00	32.52 2.10 0.00	31.82 1.94 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.10 1.84 0.00	29.04 1.82 0.00	27.99 1.86 0.00	27.73 1.86 0.00	30.05 2.02 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.71 2.66 0.00	34.37 2.57 0.00	28.70 1.78 0.00	25.18 1.69 0.00	23.31 1.38 0.00
AST_ENERGY_2_CC4 323678	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.64 0.83 0.00	28.25 1.16 0.00	32.26 1.88 0.00	32.52 2.10 0.00	31.82 1.94 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.10 1.84 0.00	29.04 1.82 0.00	27.99 1.86 0.00	27.73 1.86 0.00	30.05 2.02 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.71 2.66 0.00	34.37 2.57 0.00	28.70 1.78 0.00	25.18 1.69 0.00	23.31 1.38 0.00



ATHENS_STG_1 23668	22.49 0.51 0.00	20.25 0.47 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.36 0.55 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.61 1.19 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.66 0.92 0.00	29.20 0.93 0.00	28.15 0.93 0.00	27.05 0.91 0.00	26.77 0.90 0.00	29.06 1.04 0.00	31.27 1.14 0.00	31.42 1.18 0.00	33.50 1.44 0.00	33.23 1.43 0.00	27.89 0.97 0.00	24.38 0.89 0.00	22.72 0.79 0.00
ATHENS_STG_2 23670	22.49 0.51 0.00	20.25 0.47 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.36 0.55 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.61 1.19 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.66 0.92 0.00	29.20 0.93 0.00	28.15 0.93 0.00	27.05 0.91 0.00	26.77 0.90 0.00	29.06 1.04 0.00	31.27 1.14 0.00	31.42 1.18 0.00	33.50 1.44 0.00	33.23 1.43 0.00	27.89 0.97 0.00	24.38 0.89 0.00	22.72 0.79 0.00
ATHENS_STG_3 23677	22.49 0.51 0.00	20.25 0.47 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.36 0.55 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.61 1.19 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.66 0.92 0.00	29.20 0.93 0.00	28.15 0.93 0.00	27.05 0.91 0.00	26.77 0.90 0.00	29.06 1.04 0.00	31.27 1.14 0.00	31.42 1.18 0.00	33.50 1.44 0.00	33.23 1.43 0.00	27.89 0.97 0.00	24.38 0.89 0.00	22.72 0.79 0.00
AUBURN___LFGE 323710	21.80 -0.18 0.00	19.62 -0.16 0.00	18.80 -0.17 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.60 -0.22 0.00	26.85 -0.24 0.00	30.16 -0.21 0.00	30.24 -0.18 0.00	29.40 -0.48 0.00	28.64 -0.35 0.00	28.37 -0.37 0.00	27.90 -0.37 0.00	26.81 -0.41 0.00	25.72 -0.42 0.00	25.40 -0.47 0.00	27.49 -0.53 0.00	29.55 -0.57 0.00	29.85 -0.39 0.00	31.73 -0.32 0.00	31.48 -0.32 0.00	26.44 -0.48 0.00	23.04 -0.45 0.00	21.53 -0.39 0.00
BABYLON_RES_REC 323704	22.93 0.94 0.00	20.68 0.91 0.00	19.73 0.76 0.00	19.58 0.81 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.11 2.73 0.00	32.71 2.28 0.00	32.00 2.12 0.00	31.40 2.40 -0.01	31.25 2.50 -0.01	30.79 2.51 -0.01	29.60 2.37 -0.01	29.42 2.33 -0.95	30.01 2.33 -1.82	30.57 2.52 -0.02	33.36 2.80 -0.44	34.71 2.90 -1.57	37.34 3.30 -1.99	35.32 3.37 -0.16	31.27 2.40 -1.95	26.76 2.28 -0.99	24.04 2.11 -0.01
BABYLON__69_KV_BK2 356345	23.23 1.25 0.00	20.96 1.19 0.00	20.05 1.08 0.00	19.84 1.07 0.00	20.54 1.40 0.00	23.34 1.53 0.00	29.80 2.71 0.00	33.65 3.28 0.00	32.56 2.13 0.00	32.93 3.05 0.00	32.00 3.01 0.00	31.84 3.10 0.00	31.32 3.05 0.00	30.10 2.89 0.00	29.91 2.82 -0.95	30.53 2.85 -1.82	31.04 3.00 -0.02	34.41 3.25 -1.03	36.12 3.39 -2.50	38.09 3.88 -2.16	36.15 3.88 -0.48	32.13 2.91 -2.29	27.19 2.70 -0.99	24.45 2.52 0.00
BALL_HILL_WT_PWR 323825	22.33 0.35 0.00	19.97 0.20 0.00	19.12 0.15 0.00	18.92 0.15 0.00	19.29 0.15 0.00	22.16 0.35 0.00	27.12 0.03 0.00	29.83 -0.55 0.00	30.15 -0.27 0.00	29.13 -0.75 0.00	28.21 -0.78 0.00	28.02 -0.72 0.00	27.47 -0.79 0.00	26.32 -0.90 0.00	25.15 -0.99 0.00	24.96 -0.91 0.00	26.63 -1.40 0.00	28.31 -1.81 0.00	28.49 -1.75 0.00	30.77 -1.28 0.00	30.65 -1.14 0.00	25.85 -1.08 0.00	22.43 -1.06 0.00	21.45 -0.48 0.00
BARON_WINDS___WT_PWR 323822	22.97 0.99 0.00	20.58 0.81 0.00	19.75 0.78 0.00	19.60 0.83 0.00	20.00 0.86 0.00	22.95 1.13 0.00	28.31 1.22 0.00	31.62 1.25 0.00	31.83 1.40 0.00	30.75 0.87 0.00	29.74 0.75 0.00	29.46 0.72 0.00	28.89 0.62 0.00	27.76 0.54 0.00	26.63 0.50 0.00	26.31 0.44 0.00	28.36 0.34 0.00	30.51 0.39 0.00	30.63 0.39 0.00	32.92 0.87 0.00	32.62 0.83 0.00	27.38 0.46 0.00	23.82 0.33 0.00	22.54 0.61 0.00
BARRETT_IC_1 23704	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_10 23701	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_11 23702	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_12 23703	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_2 23705	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_3 23706	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_4 23707	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01



BARRETT_IC_5 23708	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_6 23709	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_7 23710	22.71 0.73 0.00	20.47 0.69 0.00	19.59 0.63 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.99 1.90 0.00	32.62 2.25 0.00	31.70 1.28 0.00	31.97 2.09 0.00	31.05 2.06 0.00	30.87 2.13 0.00	30.38 2.12 0.00	29.23 2.01 0.00	29.05 1.96 -0.95	29.68 1.99 -1.82	30.18 2.16 0.00	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.59 2.80 0.00	30.80 2.07 -1.80	26.43 1.95 -0.99	23.79 1.86 0.00
BARRETT_IC_8 23711	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT_IC_9 23700	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT___1 23545	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BARRETT___2 23546	22.70 0.72 0.00	20.47 0.69 0.00	19.54 0.57 0.00	19.39 0.62 0.00	20.04 0.90 0.00	22.75 0.94 0.00	28.85 1.76 0.00	32.62 2.25 0.00	32.31 1.89 0.00	31.64 1.76 0.00	31.03 2.03 -0.01	30.85 2.10 -0.01	30.40 2.12 -0.01	29.24 2.01 -0.01	29.05 1.96 -0.95	29.65 1.96 -1.82	30.20 2.16 -0.01	32.63 2.32 -0.19	33.77 2.36 -1.17	36.66 2.69 -1.91	34.63 2.83 -0.01	30.75 2.02 -1.80	26.41 1.93 -0.99	23.76 1.82 -0.01
BATAVIA__115KV_TB1 55881	22.16 0.18 0.00	19.79 0.02 0.00	18.97 0.00 0.00	18.72 -0.06 0.00	19.12 -0.02 0.00	21.94 0.13 0.00	26.90 -0.19 0.00	29.86 -0.52 0.00	29.91 -0.52 0.00	28.45 -1.43 0.00	28.12 -0.87 0.00	27.79 -0.95 0.00	27.30 -0.96 0.00	26.18 -1.03 0.00	25.01 -1.12 0.00	24.73 -1.14 0.00	26.57 -1.46 0.00	28.25 -1.87 0.00	28.64 -1.60 0.00	30.80 -1.25 0.00	30.71 -1.08 0.00	25.63 -1.29 0.00	22.43 -1.06 0.00	21.01 -0.92 0.00
BAYONEEC___CTG1 323682	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG10 323750	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG2 323683	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG3 323684	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG4 323685	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG5 323686	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG6 323687	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00



BAYONEEC___CTG7 323688	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG8 323689	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BAYONEEC___CTG9 323749	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
BEACON___LESR 323632	22.64 0.66 0.00	20.39 0.61 0.00	19.57 0.61 0.00	19.45 0.67 0.00	19.81 0.67 0.00	22.58 0.76 0.00	28.01 0.92 0.00	31.71 1.33 0.00	31.70 1.28 0.00	30.93 1.05 0.00	30.00 1.01 0.00	29.72 0.98 0.00	29.25 0.99 0.00	28.17 0.95 0.00	27.08 0.94 0.00	26.77 0.90 0.00	29.12 1.09 0.00	31.33 1.21 0.00	31.48 1.24 0.00	33.59 1.54 0.00	33.35 1.56 0.00	28.00 1.08 0.00	24.50 1.01 0.00	22.81 0.88 0.00
BEAVER RIVER___HYD 24048	21.76 -0.22 0.00	19.56 -0.22 0.00	18.78 -0.19 0.00	18.59 -0.19 0.00	18.93 -0.21 0.00	21.66 -0.15 0.00	26.98 -0.11 0.00	30.22 -0.15 0.00	30.12 -0.30 0.00	29.46 -0.42 0.00	28.52 -0.46 0.00	28.11 -0.63 0.00	27.56 -0.71 0.00	26.54 -0.68 0.00	25.46 -0.68 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.55 -0.57 0.00	29.73 -0.51 0.00	31.67 -0.38 0.00	31.41 -0.38 0.00	26.58 -0.35 0.00	23.11 -0.38 0.00	21.47 -0.46 0.00
BEEBEE_GT_13 23619	21.78 -0.20 0.00	19.50 -0.28 0.00	18.68 -0.28 0.00	18.44 -0.34 0.00	18.81 -0.33 0.00	21.55 -0.26 0.00	26.52 -0.57 0.00	29.61 -0.76 0.00	29.70 -0.73 0.00	28.54 -1.34 0.00	28.06 -0.93 0.00	27.76 -0.98 0.00	27.28 -0.99 0.00	26.21 -1.01 0.00	25.07 -1.07 0.00	24.78 -1.09 0.00	26.71 -1.32 0.00	28.49 -1.63 0.00	28.82 -1.42 0.00	30.83 -1.22 0.00	30.65 -1.14 0.00	25.69 -1.24 0.00	22.46 -1.03 0.00	21.01 -0.92 0.00
BENSHRST_27_KV_BENSHRST_1 355998	23.04 1.06 0.00	20.72 0.95 0.00	19.82 0.85 0.00	19.71 0.94 0.00	20.06 0.92 0.00	22.71 0.89 0.00	28.47 1.38 0.00	32.53 2.16 0.00	32.56 2.13 0.00	32.15 2.27 0.00	30.93 1.94 0.00	30.84 2.10 0.00	30.44 2.18 0.00	29.40 2.18 0.00	28.33 2.20 0.00	28.14 2.28 0.00	30.47 2.44 0.00	32.83 2.71 0.00	33.02 2.78 0.00	35.19 3.14 0.00	34.88 3.08 0.00	29.24 2.32 0.00	25.58 2.09 0.00	23.71 1.78 0.00
BETHLEHEM___GRP 23843	22.40 0.42 0.00	20.21 0.44 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.69 0.60 0.00	31.35 0.97 0.00	31.19 0.76 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.68 0.75 0.00	24.22 0.73 0.00	22.63 0.70 0.00
BETHLEHEM___GS1 323560	22.40 0.42 0.00	20.21 0.43 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.66 0.57 0.00	31.35 0.97 0.00	31.34 0.91 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.37 0.63 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	31.00 0.87 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.65 0.73 0.00	24.22 0.73 0.00	22.57 0.64 0.00
BETHLEHEM___GS2 323561	22.40 0.42 0.00	20.21 0.43 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.66 0.57 0.00	31.35 0.97 0.00	31.34 0.91 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.37 0.63 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	31.00 0.87 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.65 0.73 0.00	24.22 0.73 0.00	22.57 0.64 0.00
BETHLEHEM___GS3 323562	22.40 0.42 0.00	20.21 0.43 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.32 0.50 0.00	27.66 0.57 0.00	31.35 0.97 0.00	31.34 0.91 0.00	30.57 0.69 0.00	29.66 0.67 0.00	29.37 0.63 0.00	28.92 0.65 0.00	27.87 0.65 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.78 0.76 0.00	31.00 0.87 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.94 1.14 0.00	27.65 0.73 0.00	24.22 0.73 0.00	22.57 0.64 0.00
BETHLEHEM___STEEL 23779	22.20 0.22 0.00	19.85 0.08 0.00	19.01 0.04 0.00	18.81 0.04 0.00	19.18 0.04 0.00	22.01 0.20 0.00	26.85 -0.24 0.00	29.64 -0.73 0.00	29.73 -0.70 0.00	28.30 -1.58 0.00	28.03 -0.96 0.00	27.73 -1.01 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.70 -1.16 0.00	26.51 -1.51 0.00	28.07 -2.05 0.00	28.37 -1.87 0.00	30.61 -1.44 0.00	30.49 -1.30 0.00	25.53 -1.40 0.00	22.27 -1.22 0.00	20.94 -0.99 0.00
BETHLHEM_115KV_TB1 79974	22.42 0.44 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.26 0.49 0.00	19.64 0.50 0.00	22.34 0.52 0.00	27.71 0.62 0.00	31.38 1.00 0.00	31.19 0.76 0.00	30.60 0.72 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.94 0.68 0.00	27.90 0.68 0.00	26.79 0.65 0.00	26.51 0.65 0.00	28.81 0.78 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.21 1.15 0.00	32.97 1.18 0.00	27.71 0.78 0.00	24.24 0.75 0.00	22.65 0.72 0.00
BETHPAGE_CC_5 323564	22.88 0.90 0.00	20.64 0.87 0.00	19.69 0.72 0.00	19.54 0.77 0.00	20.19 1.05 0.00	22.95 1.13 0.00	29.04 1.95 0.00	32.89 2.52 0.00	32.59 2.16 0.00	31.91 2.03 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.65 2.37 -0.01	29.49 2.26 -0.01	29.29 2.20 -0.95	29.88 2.20 -1.82	30.39 2.35 -0.01	32.90 2.59 -0.19	34.07 2.66 -1.17	37.04 3.08 -1.91	34.95 3.15 -0.01	30.94 2.21 -1.80	26.60 2.12 -0.99	23.91 1.97 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	22.29 0.31 0.00	19.93 0.16 0.00	19.08 0.11 0.00	18.89 0.11 0.00	19.25 0.11 0.00	22.10 0.28 0.00	26.95 -0.14 0.00	29.77 -0.61 0.00	29.82 -0.61 0.00	28.42 -1.46 0.00	28.15 -0.84 0.00	27.82 -0.92 0.00	27.45 -0.82 0.00	26.29 -0.93 0.00	25.12 -1.02 0.00	24.78 -1.09 0.00	26.60 -1.43 0.00	28.16 -1.96 0.00	28.46 -1.78 0.00	30.71 -1.35 0.00	30.62 -1.18 0.00	25.61 -1.32 0.00	22.34 -1.15 0.00	21.03 -0.90 0.00



BINGHAMTON___COGEN 23790	22.73 0.75 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.64 0.83 0.00	27.98 0.89 0.00	31.41 1.03 0.00	31.34 0.91 0.00	30.54 0.66 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.90 0.68 0.00	26.77 0.63 0.00	26.44 0.57 0.00	28.59 0.56 0.00	30.63 0.51 0.00	30.81 0.57 0.00	33.05 0.99 0.00	32.78 0.99 0.00	27.52 0.59 0.00	24.01 0.52 0.00	22.48 0.55 0.00
BIXINCNT_115KV_LOAD 355685	22.49 0.51 0.00	20.07 0.30 0.00	19.27 0.30 0.00	19.09 0.32 0.00	19.48 0.34 0.00	22.38 0.57 0.00	27.31 0.22 0.00	30.04 -0.33 0.00	29.94 -0.49 0.00	28.71 -1.17 0.00	28.41 -0.58 0.00	27.94 -0.80 0.00	27.56 -0.71 0.00	26.43 -0.79 0.00	25.20 -0.94 0.00	24.81 -1.06 0.00	26.63 -1.40 0.00	28.16 -1.96 0.00	28.43 -1.81 0.00	30.67 -1.38 0.00	30.52 -1.27 0.00	25.47 -1.45 0.00	22.27 -1.22 0.00	20.83 -1.10 0.00
BLACK RIVER___HYD 24047	21.72 -0.26 0.00	19.50 -0.28 0.00	18.74 -0.23 0.00	18.53 -0.24 0.00	18.87 -0.27 0.00	21.62 -0.20 0.00	26.93 -0.16 0.00	30.28 -0.09 0.00	30.15 -0.27 0.00	29.37 -0.51 0.00	28.44 -0.55 0.00	28.02 -0.72 0.00	27.47 -0.79 0.00	26.43 -0.79 0.00	25.38 -0.76 0.00	25.19 -0.67 0.00	27.35 -0.67 0.00	29.61 -0.51 0.00	29.82 -0.42 0.00	31.89 -0.16 0.00	31.70 -0.10 0.00	26.74 -0.19 0.00	23.28 -0.21 0.00	21.62 -0.31 0.00
BLACKRVR_115KV_TB2 79977	21.72 -0.26 0.00	19.50 -0.28 0.00	18.74 -0.23 0.00	18.53 -0.24 0.00	18.87 -0.27 0.00	21.62 -0.20 0.00	26.87 -0.22 0.00	30.28 -0.09 0.00	30.12 -0.30 0.00	29.31 -0.57 0.00	28.44 -0.55 0.00	28.02 -0.72 0.00	27.47 -0.79 0.00	26.43 -0.79 0.00	25.38 -0.76 0.00	25.17 -0.70 0.00	27.35 -0.67 0.00	29.58 -0.54 0.00	29.82 -0.42 0.00	31.89 -0.16 0.00	31.70 -0.10 0.00	26.71 -0.22 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
BLISS_WT_PWR 323608	22.44 0.46 0.00	20.01 0.24 0.00	19.25 0.28 0.00	19.07 0.30 0.00	19.44 0.31 0.00	22.34 0.52 0.00	27.33 0.24 0.00	29.95 -0.43 0.00	30.15 -0.27 0.00	29.22 -0.66 0.00	28.35 -0.64 0.00	27.97 -0.77 0.00	27.44 -0.82 0.00	26.32 -0.90 0.00	25.07 -1.07 0.00	24.83 -1.04 0.00	26.49 -1.54 0.00	28.10 -2.02 0.00	28.24 -2.00 0.00	30.48 -1.57 0.00	30.30 -1.49 0.00	25.47 -1.45 0.00	22.18 -1.32 0.00	21.07 -0.86 0.00
BLUESTONE___WT_PWR 323821	23.56 1.58 0.00	21.14 1.36 0.00	20.28 1.31 0.00	20.14 1.37 0.00	20.50 1.36 0.00	23.52 1.70 0.00	29.26 2.17 0.00	33.14 2.76 0.00	33.26 2.83 0.00	32.33 2.45 0.00	31.34 2.35 0.00	31.04 2.30 0.00	30.53 2.26 0.00	29.34 2.12 0.00	28.05 1.91 0.00	27.75 1.89 0.00	30.02 1.99 0.00	32.26 2.14 0.00	32.42 2.18 0.00	34.75 2.69 0.00	34.46 2.67 0.00	28.92 1.99 0.00	25.18 1.69 0.00	23.57 1.65 0.00
BLUE_CIRC_CHEM_DRP 24182	22.53 0.55 0.00	20.29 0.51 0.00	19.48 0.51 0.00	19.32 0.54 0.00	19.71 0.57 0.00	22.42 0.61 0.00	27.85 0.76 0.00	31.44 1.06 0.00	31.28 0.85 0.00	30.66 0.78 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.93 0.71 0.00	26.82 0.68 0.00	26.54 0.67 0.00	28.81 0.78 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.21 1.15 0.00	32.97 1.18 0.00	27.76 0.83 0.00	24.27 0.78 0.00	22.67 0.75 0.00
BOC_GAS_DRP 24189	22.38 0.40 0.00	20.15 0.38 0.00	19.33 0.36 0.00	19.17 0.39 0.00	19.54 0.40 0.00	22.25 0.44 0.00	27.63 0.54 0.00	31.25 0.88 0.00	31.13 0.70 0.00	30.54 0.66 0.00	29.60 0.61 0.00	29.37 0.63 0.00	28.92 0.65 0.00	27.85 0.63 0.00	26.77 0.63 0.00	26.49 0.62 0.00	28.76 0.73 0.00	30.90 0.78 0.00	31.09 0.85 0.00	33.11 1.06 0.00	32.84 1.05 0.00	27.65 0.73 0.00	24.15 0.66 0.00	22.54 0.61 0.00
BOONVILLE_115KV_TB1 79983	22.31 0.33 0.00	20.05 0.28 0.00	19.25 0.28 0.00	19.06 0.28 0.00	19.41 0.27 0.00	22.18 0.37 0.00	27.60 0.51 0.00	31.13 0.76 0.00	31.10 0.67 0.00	30.45 0.57 0.00	29.57 0.58 0.00	29.20 0.46 0.00	28.72 0.45 0.00	27.63 0.41 0.00	26.48 0.34 0.00	26.20 0.34 0.00	28.39 0.36 0.00	30.54 0.42 0.00	30.75 0.51 0.00	32.73 0.67 0.00	32.46 0.67 0.00	27.38 0.46 0.00	23.87 0.38 0.00	22.19 0.26 0.00
BORALEX_4TH_BRANCH 23824	22.53 0.55 0.00	20.31 0.53 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.77 0.63 0.00	22.51 0.70 0.00	28.01 0.92 0.00	31.83 1.46 0.00	31.52 1.10 0.00	30.84 0.96 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.14 0.88 0.00	28.09 0.87 0.00	26.98 0.84 0.00	26.72 0.85 0.00	29.15 1.12 0.00	31.45 1.33 0.00	31.66 1.42 0.00	33.78 1.73 0.00	33.48 1.69 0.00	28.11 1.18 0.00	24.52 1.03 0.00	22.94 1.01 0.00
BOWLINE___1 23526	22.70 0.72 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.67 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.09 1.00 0.00	31.95 1.58 0.00	32.10 1.67 0.00	31.37 1.49 0.00	30.32 1.33 0.00	30.12 1.38 0.00	29.71 1.44 0.00	28.63 1.41 0.00	27.58 1.44 0.00	27.26 1.40 0.00	29.57 1.54 0.00	31.84 1.72 0.00	31.96 1.72 0.00	34.17 2.11 0.00	33.86 2.07 0.00	28.35 1.43 0.00	24.81 1.31 0.00	23.07 1.14 0.00
BOWLINE___2 23595	22.70 0.72 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.67 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.09 1.00 0.00	31.95 1.58 0.00	32.13 1.70 0.00	31.37 1.49 0.00	30.32 1.33 0.00	30.12 1.38 0.00	29.71 1.44 0.00	28.63 1.41 0.00	27.58 1.44 0.00	27.26 1.40 0.00	29.57 1.54 0.00	31.84 1.72 0.00	31.96 1.72 0.00	34.17 2.11 0.00	33.86 2.07 0.00	28.35 1.43 0.00	24.81 1.31 0.00	23.07 1.14 0.00
BRADY___115KV_TB2 356060	21.91 -0.07 0.00	19.69 -0.08 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.79 -0.02 0.00	27.04 -0.05 0.00	30.16 -0.21 0.00	30.30 -0.12 0.00	29.94 0.06 0.00	28.99 0.00 0.00	28.65 -0.09 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.76 -0.10 0.00	27.86 -0.17 0.00	30.00 -0.12 0.00	29.97 -0.27 0.00	31.54 -0.51 0.00	31.25 -0.54 0.00	26.74 -0.19 0.00	23.26 -0.23 0.00	21.64 -0.29 0.00
BRANSCOMB___SOLAR 323811	22.57 0.59 0.00	20.31 0.53 0.00	19.50 0.53 0.00	19.36 0.58 0.00	19.75 0.61 0.00	22.53 0.72 0.00	28.06 0.97 0.00	31.74 1.37 0.00	31.70 1.28 0.00	30.90 1.02 0.00	30.03 1.04 0.00	29.72 0.98 0.00	29.28 1.02 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.72 0.85 0.00	29.09 1.06 0.00	31.29 1.17 0.00	31.45 1.21 0.00	33.56 1.51 0.00	33.35 1.56 0.00	27.98 1.05 0.00	24.45 0.96 0.00	22.74 0.81 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	23.21 1.23 0.00	20.92 1.15 0.00	20.03 1.06 0.00	19.83 1.05 0.00	20.52 1.38 0.00	23.30 1.48 0.00	29.77 2.68 0.00	33.62 3.25 0.00	32.53 2.10 0.00	32.87 2.99 0.00	31.98 2.99 0.00	31.79 3.05 0.00	31.26 3.00 0.00	30.05 2.83 0.00	29.86 2.77 -0.95	30.48 2.79 -1.82	30.90 2.86 -0.01	34.04 3.10 -0.81	35.63 3.24 -2.15	37.84 3.69 -2.10	35.84 3.69 -0.36	31.84 2.75 -2.17	27.14 2.65 -0.99	24.41 2.48 0.00



BRISTLHL_115KV_TB1 79998	21.45 -0.53 0.00	19.30 -0.47 0.00	18.49 -0.47 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.23 -0.59 0.00	26.36 -0.73 0.00	29.55 -0.82 0.00	29.64 -0.79 0.00	28.86 -1.02 0.00	28.09 -0.90 0.00	27.85 -0.89 0.00	27.36 -0.90 0.00	26.35 -0.87 0.00	25.28 -0.86 0.00	24.96 -0.91 0.00	27.02 -1.01 0.00	29.04 -1.08 0.00	29.30 -0.94 0.00	31.16 -0.90 0.00	30.90 -0.89 0.00	26.04 -0.89 0.00	22.72 -0.78 0.00	21.25 -0.68 0.00
BROOKHAVEN___DRP 24191	22.86 0.88 0.00	20.66 0.89 0.00	19.78 0.82 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.37 2.28 0.00	33.23 2.86 0.00	31.70 1.28 0.00	32.12 2.24 0.00	31.22 2.23 0.00	31.07 2.33 0.00	30.58 2.32 0.00	29.42 2.20 0.00	29.26 2.17 -0.95	29.91 2.22 -1.82	30.68 2.52 -0.13	39.51 2.71 -6.68	44.46 2.84 -11.38	39.04 3.14 -3.84	38.74 3.24 -3.70	34.98 2.48 -5.57	26.67 2.18 -0.99	23.88 1.95 0.00
BROOKLYN_NAVY_YARD 23515	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.62 2.19 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.10 2.07 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.46 2.67 0.00	28.78 1.86 0.00	25.23 1.74 0.00	23.33 1.40 0.00
BROOKLYN___ARMY_DRP 323595	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
BROOKVLE_69_KV_TB1 55790	22.99 1.01 0.00	20.70 0.93 0.00	19.82 0.85 0.00	19.66 0.88 0.00	20.17 1.03 0.00	22.93 1.11 0.00	28.93 1.84 0.00	32.80 2.43 0.00	32.31 1.89 0.00	32.24 2.36 0.00	31.28 2.29 0.00	31.13 2.39 0.00	30.61 2.35 0.00	29.48 2.26 0.00	29.31 2.22 -0.95	29.94 2.25 -1.82	30.44 2.41 0.00	32.93 2.62 -0.19	34.10 2.69 -1.17	37.11 3.14 -1.91	34.91 3.12 0.00	30.99 2.26 -1.80	26.55 2.07 -0.99	23.81 1.89 0.00
BROOME_2_LFGE 323671	22.73 0.75 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.64 0.83 0.00	28.01 0.92 0.00	31.41 1.03 0.00	31.58 1.16 0.00	30.72 0.84 0.00	29.71 0.73 0.00	29.49 0.75 0.00	29.00 0.73 0.00	27.90 0.68 0.00	26.77 0.63 0.00	26.46 0.60 0.00	28.59 0.56 0.00	30.69 0.57 0.00	30.81 0.57 0.00	33.05 0.99 0.00	32.78 0.99 0.00	27.57 0.65 0.00	24.03 0.54 0.00	22.63 0.70 0.00
BROOME___LFGE 323600	22.73 0.75 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.64 0.83 0.00	28.01 0.92 0.00	31.41 1.03 0.00	31.58 1.16 0.00	30.72 0.84 0.00	29.71 0.73 0.00	29.49 0.75 0.00	29.00 0.73 0.00	27.90 0.68 0.00	26.77 0.63 0.00	26.46 0.60 0.00	28.59 0.56 0.00	30.69 0.57 0.00	30.81 0.57 0.00	33.05 0.99 0.00	32.78 0.99 0.00	27.57 0.65 0.00	24.03 0.54 0.00	22.63 0.70 0.00
BROWNFLS_115KV_TB_3_5 80003	21.48 -0.51 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	29.19 -0.69 0.00	28.26 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.25 -0.87 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.78 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.18 -0.75 0.00
BROWNSV1_27_KV_LOAD 356125	23.04 1.06 0.00	20.74 0.97 0.00	19.86 0.89 0.00	19.75 0.98 0.00	20.11 0.98 0.00	22.84 1.03 0.00	28.61 1.52 0.00	32.62 2.25 0.00	32.65 2.22 0.00	32.18 2.30 0.00	31.02 2.03 0.00	30.90 2.16 0.00	30.44 2.18 0.00	29.37 2.15 0.00	28.28 2.14 0.00	28.06 2.20 0.00	30.38 2.35 0.00	32.68 2.56 0.00	32.90 2.66 0.00	35.13 3.08 0.00	34.81 3.02 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.64 1.71 0.00
BURROWS___LYONSDAL 23803	22.20 0.22 0.00	19.95 0.18 0.00	19.16 0.19 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.10 0.28 0.00	27.47 0.38 0.00	30.95 0.58 0.00	30.88 0.46 0.00	30.21 0.33 0.00	29.34 0.35 0.00	28.94 0.20 0.00	28.43 0.17 0.00	27.38 0.16 0.00	26.24 0.10 0.00	26.00 0.13 0.00	28.14 0.11 0.00	30.30 0.18 0.00	30.48 0.24 0.00	32.47 0.42 0.00	32.21 0.41 0.00	27.17 0.24 0.00	23.68 0.19 0.00	22.02 0.09 0.00
CAITHNESS_CC_1 323624	22.84 0.86 0.00	20.64 0.87 0.00	19.69 0.72 0.00	19.54 0.77 0.00	20.23 1.09 0.00	22.99 1.18 0.00	29.18 2.09 0.00	33.14 2.76 0.00	32.38 1.95 0.00	31.73 1.85 0.00	31.17 2.18 -0.01	31.02 2.27 -0.01	30.59 2.32 -0.01	29.43 2.20 -0.01	29.26 2.17 -0.95	29.86 2.17 -1.82	30.60 2.44 -0.14	39.49 2.68 -6.69	44.41 2.78 -11.39	39.00 3.11 -3.84	38.72 3.21 -3.72	34.85 2.34 -5.58	26.62 2.14 -0.99	23.85 1.91 -0.01
CALPINE BETH_PAGE_GT4 24209	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.54 0.77 0.00	20.19 1.05 0.00	22.93 1.11 0.00	29.12 2.03 0.00	32.80 2.43 0.00	31.89 1.46 0.00	32.18 2.30 0.00	31.25 2.26 0.00	31.07 2.33 0.00	30.55 2.29 0.00	29.40 2.18 0.00	29.23 2.14 -0.95	29.86 2.17 -1.82	30.27 2.24 0.00	32.75 2.44 -0.19	33.95 2.54 -1.17	36.91 2.95 -1.91	34.78 2.99 0.00	30.88 2.15 -1.80	26.55 2.07 -0.99	23.88 1.95 0.00
CALPINE_BETH_PAGE_GT_4 323586	22.88 0.90 0.00	20.62 0.85 0.00	19.69 0.72 0.00	19.54 0.77 0.00	20.19 1.05 0.00	22.93 1.11 0.00	28.99 1.90 0.00	32.80 2.43 0.00	32.50 2.07 0.00	31.82 1.94 0.00	31.20 2.20 -0.01	31.05 2.30 -0.01	30.56 2.29 -0.01	29.41 2.18 -0.01	29.23 2.14 -0.95	29.81 2.12 -1.82	30.28 2.24 -0.01	32.78 2.47 -0.19	33.95 2.54 -1.17	36.91 2.95 -1.91	34.83 3.02 -0.01	30.83 2.10 -1.80	26.53 2.04 -0.99	23.85 1.91 -0.01
CALPINE_BP_GT1 23823	22.88 0.90 0.00	20.62 0.85 0.00	19.69 0.72 0.00	19.54 0.77 0.00	20.19 1.05 0.00	22.93 1.11 0.00	28.99 1.90 0.00	32.80 2.43 0.00	32.50 2.07 0.00	31.82 1.94 0.00	31.20 2.20 -0.01	31.05 2.30 -0.01	30.56 2.29 -0.01	29.41 2.18 -0.01	29.23 2.14 -0.95	29.81 2.12 -1.82	30.28 2.24 -0.01	32.78 2.47 -0.19	33.95 2.54 -1.17	36.91 2.95 -1.91	34.83 3.02 -0.01	30.83 2.10 -1.80	26.53 2.04 -0.99	23.85 1.91 -0.01
CALSPAN___DRP 24200	22.20 0.22 0.00	19.85 0.08 0.00	19.01 0.04 0.00	18.81 0.04 0.00	19.18 0.04 0.00	22.01 0.20 0.00	26.85 -0.24 0.00	29.64 -0.73 0.00	29.73 -0.70 0.00	28.30 -1.58 0.00	28.03 -0.96 0.00	27.73 -1.01 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.70 -1.16 0.00	26.51 -1.51 0.00	28.07 -2.05 0.00	28.37 -1.87 0.00	30.61 -1.44 0.00	30.49 -1.30 0.00	25.53 -1.40 0.00	22.27 -1.22 0.00	20.94 -0.99 0.00



CALVERTON___SOLAR 323806	22.90 0.92 0.00	20.72 0.95 0.00	19.75 0.78 0.00	19.60 0.83 0.00	20.31 1.17 0.00	23.08 1.26 0.00	29.28 2.19 0.00	33.32 2.95 0.00	32.40 1.98 0.00	31.76 1.88 0.00	31.23 2.23 -0.01	31.08 2.33 -0.01	30.65 2.37 -0.01	29.46 2.23 -0.01	29.29 2.20 -0.95	29.91 2.22 -1.82	30.77 2.61 -0.14	39.63 2.83 -6.68	44.55 2.93 -11.38	39.13 3.24 -3.84	38.91 3.40 -3.71	35.03 2.53 -5.57	26.69 2.21 -0.99	23.87 1.93 -0.01
CANDIGU_WT_PWR 323617	22.97 0.99 0.00	20.58 0.81 0.00	19.75 0.78 0.00	19.60 0.83 0.00	20.00 0.86 0.00	22.95 1.13 0.00	28.31 1.22 0.00	31.62 1.25 0.00	31.83 1.40 0.00	30.75 0.87 0.00	29.74 0.75 0.00	29.46 0.72 0.00	28.89 0.62 0.00	27.76 0.54 0.00	26.63 0.50 0.00	26.31 0.44 0.00	28.36 0.34 0.00	30.51 0.39 0.00	30.63 0.39 0.00	32.92 0.87 0.00	32.62 0.83 0.00	27.38 0.46 0.00	23.82 0.33 0.00	22.54 0.61 0.00
CARR STREET_E_SYR 24060	21.61 -0.37 0.00	19.42 -0.36 0.00	18.63 -0.34 0.00	18.36 -0.41 0.00	18.74 -0.40 0.00	21.38 -0.44 0.00	26.55 -0.54 0.00	29.80 -0.58 0.00	29.97 -0.46 0.00	29.22 -0.66 0.00	28.32 -0.67 0.00	28.11 -0.63 0.00	27.59 -0.68 0.00	26.54 -0.68 0.00	25.49 -0.65 0.00	25.19 -0.67 0.00	27.24 -0.78 0.00	29.31 -0.81 0.00	29.51 -0.73 0.00	31.35 -0.71 0.00	31.12 -0.67 0.00	26.23 -0.70 0.00	22.86 -0.63 0.00	21.43 -0.50 0.00
CARTHAGE___PAPER 23857	21.69 -0.29 0.00	19.50 -0.28 0.00	18.72 -0.25 0.00	18.53 -0.24 0.00	18.87 -0.27 0.00	21.64 -0.18 0.00	26.96 -0.13 0.00	30.22 -0.15 0.00	30.06 -0.36 0.00	29.37 -0.51 0.00	28.44 -0.55 0.00	27.97 -0.77 0.00	27.42 -0.85 0.00	26.43 -0.79 0.00	25.36 -0.78 0.00	25.17 -0.70 0.00	27.33 -0.70 0.00	29.55 -0.57 0.00	29.76 -0.49 0.00	31.76 -0.29 0.00	31.54 -0.26 0.00	26.66 -0.27 0.00	23.19 -0.31 0.00	21.51 -0.42 0.00
CASSADAGA_WT_PWR 323784	22.70 0.72 0.00	20.33 0.55 0.00	19.42 0.45 0.00	19.24 0.47 0.00	19.56 0.42 0.00	22.47 0.65 0.00	27.44 0.35 0.00	30.19 -0.18 0.00	30.46 0.03 0.00	29.34 -0.54 0.00	28.38 -0.61 0.00	28.19 -0.55 0.00	27.53 -0.74 0.00	26.35 -0.87 0.00	25.15 -0.99 0.00	24.88 -0.98 0.00	26.54 -1.49 0.00	28.22 -1.90 0.00	28.28 -1.97 0.00	30.64 -1.41 0.00	30.52 -1.27 0.00	25.61 -1.32 0.00	22.15 -1.34 0.00	21.16 -0.77 0.00
CE_DUNWOOD___DRP 24194	22.79 0.81 0.00	20.53 0.75 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.23 1.85 0.00	32.16 1.73 0.00	31.67 1.79 0.00	30.61 1.62 0.00	30.46 1.72 0.00	29.99 1.72 0.00	28.93 1.71 0.00	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.27 2.48 0.00	28.68 1.75 0.00	25.07 1.57 0.00	23.31 1.38 0.00
CE_MILLWOOD___DRP 24193	22.77 0.79 0.00	20.49 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.62 0.81 0.00	28.28 1.19 0.00	32.17 1.79 0.00	32.10 1.67 0.00	31.61 1.73 0.00	30.56 1.57 0.00	30.41 1.67 0.00	29.93 1.67 0.00	28.88 1.66 0.00	27.79 1.65 0.00	27.55 1.68 0.00	29.82 1.79 0.00	32.11 1.99 0.00	32.30 2.06 0.00	34.49 2.44 0.00	34.18 2.38 0.00	28.62 1.70 0.00	25.02 1.53 0.00	23.27 1.34 0.00
CE_NYC2_DRP 24202	22.88 0.90 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.64 0.86 0.00	19.98 0.84 0.00	22.64 0.83 0.00	28.34 1.25 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.19 1.92 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.88 2.02 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.50 2.70 0.00	28.89 1.97 0.00	25.30 1.81 0.00	23.49 1.56 0.00
CE_NYC_DRP 24195	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.91 2.03 0.00	30.76 1.77 0.00	30.64 1.90 0.00	30.19 1.92 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.83 1.97 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.84 1.91 0.00	25.23 1.74 0.00	23.42 1.49 0.00
CHAFFEE___LFGE 323603	22.27 0.28 0.00	19.89 0.12 0.00	19.06 0.10 0.00	18.87 0.09 0.00	19.23 0.10 0.00	22.08 0.26 0.00	27.06 -0.03 0.00	29.77 -0.61 0.00	30.12 -0.30 0.00	29.13 -0.75 0.00	28.21 -0.78 0.00	28.05 -0.69 0.00	27.50 -0.76 0.00	26.35 -0.87 0.00	25.17 -0.97 0.00	25.04 -0.83 0.00	26.68 -1.34 0.00	28.37 -1.75 0.00	28.55 -1.69 0.00	30.80 -1.25 0.00	30.71 -1.08 0.00	25.90 -1.02 0.00	22.46 -1.03 0.00	21.47 -0.46 0.00
CHATEAUG_35_KV_LOAD 355732	22.27 0.29 0.00	20.01 0.24 0.00	19.20 0.23 0.00	19.04 0.26 0.00	19.39 0.25 0.00	22.10 0.28 0.00	27.17 0.08 0.00	30.22 -0.15 0.00	30.37 -0.06 0.00	30.33 0.45 0.00	29.19 0.20 0.00	28.77 0.03 0.00	28.24 -0.03 0.00	27.22 0.00 0.00	26.11 -0.03 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.21 0.09 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.60 0.00	26.63 -0.30 0.00	23.09 -0.40 0.00	21.47 -0.46 0.00
CHATEAUG_WT_PWR 323614	22.29 0.31 0.00	20.03 0.26 0.00	19.21 0.25 0.00	19.06 0.28 0.00	19.41 0.27 0.00	22.14 0.33 0.00	27.14 0.05 0.00	30.22 -0.15 0.00	30.12 -0.30 0.00	30.33 0.45 0.00	29.28 0.29 0.00	28.83 0.09 0.00	28.29 0.03 0.00	27.22 0.00 0.00	26.14 0.00 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.15 0.03 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.61 0.00	26.58 -0.35 0.00	23.04 -0.45 0.00	21.40 -0.53 0.00
CHAT_HIGH_FALL_HYD 323578	22.27 0.29 0.00	20.01 0.24 0.00	19.20 0.23 0.00	19.04 0.26 0.00	19.39 0.25 0.00	22.10 0.28 0.00	27.17 0.08 0.00	30.22 -0.15 0.00	30.37 -0.06 0.00	30.33 0.45 0.00	29.19 0.20 0.00	28.77 0.03 0.00	28.24 -0.03 0.00	27.22 0.00 0.00	26.11 -0.03 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.21 0.09 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.60 0.00	26.63 -0.30 0.00	23.09 -0.40 0.00	21.47 -0.46 0.00
CHAUTAUQUA___LFGE 323629	22.55 0.57 0.00	20.17 0.40 0.00	19.29 0.32 0.00	19.11 0.34 0.00	19.46 0.33 0.00	22.36 0.55 0.00	27.36 0.27 0.00	30.10 -0.27 0.00	30.40 -0.03 0.00	29.34 -0.54 0.00	28.41 -0.58 0.00	28.22 -0.52 0.00	27.64 -0.62 0.00	26.46 -0.76 0.00	25.28 -0.86 0.00	25.06 -0.80 0.00	26.74 -1.29 0.00	28.44 -1.69 0.00	28.58 -1.66 0.00	30.90 -1.15 0.00	30.77 -1.02 0.00	25.93 -1.00 0.00	22.46 -1.03 0.00	21.49 -0.44 0.00
CHERRYST_13_KV_LD 356241	22.90 0.92 0.00	20.62 0.85 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.02 0.88 0.00	22.73 0.92 0.00	28.44 1.35 0.00	32.44 2.07 0.00	32.46 2.04 0.00	32.03 2.15 0.00	30.85 1.86 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.23 2.01 0.00	28.15 2.01 0.00	27.94 2.07 0.00	30.21 2.19 0.00	32.50 2.38 0.00	32.69 2.45 0.00	34.91 2.85 0.00	34.56 2.77 0.00	28.92 1.99 0.00	25.30 1.81 0.00	23.49 1.56 0.00



CHESTROR_138KV_BK263 355645	22.62 0.64 0.00	20.35 0.57 0.00	19.50 0.53 0.00	19.36 0.58 0.00	19.75 0.61 0.00	22.47 0.65 0.00	28.01 0.92 0.00	31.74 1.37 0.00	31.67 1.25 0.00	31.14 1.25 0.00	30.12 1.13 0.00	29.95 1.21 0.00	29.48 1.22 0.00	28.42 1.20 0.00	27.34 1.20 0.00	27.06 1.19 0.00	29.29 1.26 0.00	31.54 1.42 0.00	31.69 1.45 0.00	33.85 1.79 0.00	33.57 1.78 0.00	28.17 1.24 0.00	24.60 1.10 0.00	22.92 0.99 0.00
CH_MIDHUDSON___DRP 24192	22.99 1.01 0.00	20.66 0.89 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.82 1.00 0.00	28.58 1.49 0.00	32.41 2.04 0.00	32.34 1.92 0.00	31.76 1.88 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.02 1.75 0.00	28.91 1.69 0.00	27.81 1.67 0.00	27.47 1.60 0.00	29.74 1.71 0.00	32.08 1.96 0.00	32.24 2.00 0.00	34.42 2.37 0.00	34.11 2.32 0.00	28.54 1.62 0.00	24.92 1.43 0.00	23.22 1.29 0.00
CH_MISC_IPPS 23765	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.52 1.43 0.00	32.38 2.00 0.00	32.52 2.10 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.39 1.53 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00
CH_RES_BVR_FALLS 23983	21.80 -0.18 0.00	19.61 -0.16 0.00	18.84 -0.13 0.00	18.64 -0.13 0.00	19.00 -0.13 0.00	21.66 -0.15 0.00	26.90 -0.19 0.00	30.01 -0.36 0.00	30.03 -0.40 0.00	29.70 -0.18 0.00	28.85 -0.14 0.00	28.57 -0.17 0.00	28.07 -0.20 0.00	27.00 -0.22 0.00	25.93 -0.21 0.00	25.63 -0.23 0.00	27.75 -0.28 0.00	29.79 -0.33 0.00	29.85 -0.39 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.52 -0.40 0.00	23.09 -0.40 0.00	21.49 -0.44 0.00
CH_RES_NIAGARA 23895	21.21 -0.77 0.00	19.00 -0.77 0.00	18.19 -0.78 0.00	17.99 -0.79 0.00	18.35 -0.78 0.00	21.03 -0.79 0.00	25.57 -1.52 0.00	28.28 -2.10 0.00	28.36 -2.07 0.00	26.92 -2.96 0.00	26.70 -2.29 0.00	26.41 -2.33 0.00	26.09 -2.18 0.00	25.01 -2.20 0.00	23.92 -2.22 0.00	23.59 -2.28 0.00	25.31 -2.72 0.00	26.78 -3.34 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.42 -2.50 0.00	21.38 -2.11 0.00	20.11 -1.82 0.00
CH_RES_SYRACUSE 23985	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.45 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.68 -0.41 0.00	29.95 -0.43 0.00	30.12 -0.30 0.00	29.37 -0.51 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.68 -0.54 0.00	25.59 -0.55 0.00	25.32 -0.54 0.00	27.35 -0.67 0.00	29.49 -0.63 0.00	29.66 -0.58 0.00	31.51 -0.55 0.00	31.28 -0.51 0.00	26.36 -0.57 0.00	22.97 -0.52 0.00	21.53 -0.39 0.00
CLINTON_WT_PWR 323605	22.29 0.31 0.00	20.03 0.26 0.00	19.21 0.25 0.00	19.06 0.28 0.00	19.41 0.27 0.00	22.14 0.33 0.00	27.14 0.05 0.00	30.22 -0.15 0.00	30.12 -0.30 0.00	30.33 0.45 0.00	29.28 0.29 0.00	28.83 0.09 0.00	28.29 0.03 0.00	27.22 0.00 0.00	26.14 0.00 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.15 0.03 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.61 0.00	26.58 -0.35 0.00	23.04 -0.45 0.00	21.40 -0.53 0.00
CLINTON___LFGE 323618	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.60 0.78 0.00	27.58 0.49 0.00	30.77 0.39 0.00	30.64 0.21 0.00	31.02 1.14 0.00	29.86 0.87 0.00	29.35 0.60 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.56 0.42 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.69 0.57 0.00	30.60 0.36 0.00	32.18 0.13 0.00	31.60 -0.19 0.00	26.87 -0.05 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
COBBLENY_34_KV_TB1 80064	22.27 0.29 0.00	19.89 0.12 0.00	19.04 0.08 0.00	18.85 0.08 0.00	19.23 0.10 0.00	22.08 0.26 0.00	26.95 -0.14 0.00	29.77 -0.61 0.00	29.85 -0.58 0.00	28.45 -1.43 0.00	28.18 -0.81 0.00	27.88 -0.86 0.00	27.50 -0.76 0.00	26.35 -0.87 0.00	25.17 -0.97 0.00	24.86 -1.01 0.00	26.68 -1.35 0.00	28.25 -1.87 0.00	28.52 -1.72 0.00	30.80 -1.25 0.00	30.71 -1.08 0.00	25.66 -1.27 0.00	22.39 -1.10 0.00	21.05 -0.88 0.00
COFFEEN___115KV_TB3 355620	21.85 -0.13 0.00	19.62 -0.16 0.00	18.83 -0.13 0.00	18.62 -0.15 0.00	18.97 -0.17 0.00	21.75 -0.07 0.00	27.04 -0.05 0.00	30.53 0.15 0.00	30.34 -0.09 0.00	29.46 -0.42 0.00	28.58 -0.41 0.00	28.14 -0.60 0.00	27.59 -0.68 0.00	26.54 -0.68 0.00	25.49 -0.65 0.00	25.30 -0.57 0.00	27.49 -0.53 0.00	29.76 -0.36 0.00	30.03 -0.21 0.00	32.18 0.13 0.00	31.98 0.19 0.00	26.93 0.00 0.00	23.47 -0.02 0.00	21.75 -0.18 0.00
COLDSPRG_115KV_BK1 355956	23.10 1.12 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.58 0.81 0.00	19.96 0.82 0.00	22.97 1.16 0.00	28.04 0.95 0.00	30.98 0.61 0.00	30.91 0.49 0.00	29.55 -0.33 0.00	29.16 0.17 0.00	28.86 0.11 0.00	28.38 0.11 0.00	27.16 -0.05 0.00	25.93 -0.21 0.00	25.53 -0.34 0.00	27.41 -0.62 0.00	29.10 -1.02 0.00	29.27 -0.97 0.00	31.73 -0.32 0.00	31.60 -0.19 0.00	26.39 -0.54 0.00	22.95 -0.54 0.00	21.58 -0.35 0.00
COLONIE_LFGE___ 323577	22.46 0.48 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.40 0.59 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.95 0.92 0.00	31.17 1.05 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.16 1.37 0.00	27.84 0.92 0.00	24.31 0.82 0.00	22.65 0.72 0.00
COOPERNY_115KV_TB1 80082	22.51 0.53 0.00	20.25 0.47 0.00	19.40 0.44 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.36 0.55 0.00	27.82 0.73 0.00	31.47 1.09 0.00	31.43 1.00 0.00	30.87 0.99 0.00	29.89 0.90 0.00	29.69 0.95 0.00	29.23 0.96 0.00	28.17 0.95 0.00	27.11 0.97 0.00	26.82 0.96 0.00	29.04 1.01 0.00	31.24 1.11 0.00	31.39 1.15 0.00	33.49 1.44 0.00	33.22 1.43 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.72 0.79 0.00
COPENHAGEN_WT_PWR 323753	21.67 -0.31 0.00	19.48 -0.30 0.00	18.70 -0.27 0.00	18.49 -0.28 0.00	18.83 -0.31 0.00	21.57 -0.24 0.00	26.85 -0.24 0.00	30.19 -0.18 0.00	30.09 -0.33 0.00	29.31 -0.57 0.00	28.38 -0.61 0.00	27.99 -0.75 0.00	27.42 -0.85 0.00	26.40 -0.82 0.00	25.33 -0.81 0.00	25.14 -0.72 0.00	27.30 -0.73 0.00	29.52 -0.60 0.00	29.76 -0.49 0.00	31.79 -0.26 0.00	31.60 -0.19 0.00	26.63 -0.30 0.00	23.21 -0.28 0.00	21.58 -0.35 0.00
CORNELL_____ 23752	21.94 -0.04 0.00	19.73 -0.04 0.00	18.91 -0.06 0.00	18.64 -0.13 0.00	19.00 -0.13 0.00	21.73 -0.09 0.00	27.01 -0.08 0.00	30.34 -0.03 0.00	30.40 -0.03 0.00	29.49 -0.39 0.00	28.67 -0.32 0.00	28.40 -0.34 0.00	27.93 -0.34 0.00	26.84 -0.38 0.00	25.75 -0.39 0.00	25.43 -0.44 0.00	27.55 -0.48 0.00	29.67 -0.45 0.00	30.09 -0.15 0.00	32.02 -0.03 0.00	31.76 -0.03 0.00	26.71 -0.22 0.00	23.26 -0.23 0.00	21.73 -0.20 0.00



CORONA__69_KV_TB1 355595	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.51 0.73 0.00	20.11 0.98 0.00	22.86 1.05 0.00	29.09 2.00 0.00	32.80 2.43 0.00	31.95 1.52 0.00	32.18 2.30 0.00	31.25 2.26 0.00	31.07 2.33 0.00	30.55 2.29 0.00	29.37 2.15 0.00	29.21 2.12 -0.95	29.83 2.15 -1.82	30.35 2.33 0.00	32.81 2.50 -0.19	34.01 2.60 -1.17	36.95 2.98 -1.91	34.85 3.05 0.00	30.96 2.23 -1.80	26.55 2.07 -0.99	23.88 1.95 0.00
CORTLAND__115KV_TB3 80093	22.31 0.33 0.00	20.05 0.28 0.00	19.23 0.27 0.00	19.00 0.23 0.00	19.37 0.23 0.00	22.14 0.33 0.00	27.58 0.49 0.00	31.10 0.73 0.00	31.16 0.73 0.00	30.33 0.45 0.00	29.51 0.52 0.00	29.20 0.46 0.00	28.69 0.42 0.00	27.60 0.38 0.00	26.48 0.34 0.00	26.15 0.28 0.00	28.34 0.31 0.00	30.48 0.36 0.00	30.78 0.54 0.00	32.73 0.67 0.00	32.46 0.67 0.00	27.30 0.38 0.00	23.80 0.31 0.00	22.19 0.26 0.00
COXSACKIE__GT 23611	23.10 1.12 0.00	20.74 0.97 0.00	19.93 0.97 0.00	19.77 0.99 0.00	20.21 1.07 0.00	23.06 1.24 0.00	28.85 1.76 0.00	32.50 2.13 0.00	32.34 1.92 0.00	31.31 1.43 0.00	30.18 1.19 0.00	29.80 1.06 0.00	29.31 1.05 0.00	28.23 1.01 0.00	27.11 0.97 0.00	26.64 0.78 0.00	29.01 0.98 0.00	31.39 1.26 0.00	31.63 1.39 0.00	33.72 1.67 0.00	33.54 1.75 0.00	28.11 1.18 0.00	24.55 1.06 0.00	22.87 0.94 0.00
CPV_VALLEY__CC1 323721	22.49 0.51 0.00	20.25 0.47 0.00	19.38 0.42 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.34 0.52 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.67 1.25 0.00	30.95 1.07 0.00	29.92 0.93 0.00	29.72 0.98 0.00	29.28 1.02 0.00	28.23 1.01 0.00	27.19 1.05 0.00	26.87 1.01 0.00	29.12 1.09 0.00	31.36 1.24 0.00	31.48 1.24 0.00	33.62 1.57 0.00	33.32 1.53 0.00	27.95 1.02 0.00	24.45 0.96 0.00	22.76 0.83 0.00
CPV_VALLEY__CC2 323722	22.49 0.51 0.00	20.25 0.47 0.00	19.38 0.42 0.00	19.24 0.47 0.00	19.62 0.48 0.00	22.34 0.52 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.67 1.25 0.00	30.95 1.07 0.00	29.92 0.93 0.00	29.72 0.98 0.00	29.28 1.02 0.00	28.23 1.01 0.00	27.19 1.05 0.00	26.87 1.01 0.00	29.12 1.09 0.00	31.36 1.24 0.00	31.48 1.24 0.00	33.62 1.57 0.00	33.32 1.53 0.00	27.95 1.02 0.00	24.45 0.96 0.00	22.76 0.83 0.00
CRESCENT__HYD 24018	22.46 0.48 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.40 0.59 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.95 0.92 0.00	31.17 1.05 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.16 1.37 0.00	27.84 0.92 0.00	24.31 0.82 0.00	22.65 0.72 0.00
CRICKET__VALLEY_CC1 323756	22.49 0.51 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.32 0.54 0.00	19.69 0.56 0.00	22.36 0.55 0.00	27.77 0.68 0.00	31.62 1.25 0.00	31.67 1.25 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.69 0.95 0.00	29.25 0.99 0.00	28.20 0.98 0.00	27.11 0.97 0.00	26.82 0.96 0.00	29.20 1.18 0.00	31.48 1.36 0.00	31.66 1.42 0.00	33.72 1.67 0.00	33.45 1.65 0.00	27.98 1.05 0.00	24.48 0.99 0.00	22.81 0.88 0.00
CRICKET__VALLEY_CC2 323757	22.49 0.51 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.32 0.54 0.00	19.69 0.56 0.00	22.36 0.55 0.00	27.77 0.68 0.00	31.62 1.25 0.00	31.67 1.25 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.69 0.95 0.00	29.25 0.99 0.00	28.20 0.98 0.00	27.11 0.97 0.00	26.82 0.96 0.00	29.20 1.18 0.00	31.48 1.36 0.00	31.66 1.42 0.00	33.72 1.67 0.00	33.45 1.65 0.00	27.98 1.05 0.00	24.48 0.99 0.00	22.81 0.88 0.00
CRICKET__VALLEY_CC3 323758	22.49 0.51 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.32 0.54 0.00	19.69 0.56 0.00	22.36 0.55 0.00	27.77 0.68 0.00	31.62 1.25 0.00	31.67 1.25 0.00	30.86 0.98 0.00	29.86 0.87 0.00	29.69 0.95 0.00	29.25 0.99 0.00	28.20 0.98 0.00	27.11 0.97 0.00	26.82 0.96 0.00	29.20 1.18 0.00	31.48 1.36 0.00	31.66 1.42 0.00	33.72 1.67 0.00	33.45 1.65 0.00	27.98 1.05 0.00	24.48 0.99 0.00	22.81 0.88 0.00
CRUCIBLE_METL_DRP 24180	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00
DAHOWA__HYDRO 323763	22.57 0.59 0.00	20.29 0.51 0.00	19.50 0.53 0.00	19.34 0.56 0.00	19.75 0.61 0.00	22.53 0.72 0.00	28.09 1.00 0.00	31.77 1.40 0.00	31.73 1.31 0.00	30.93 1.05 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.28 1.02 0.00	28.17 0.95 0.00	27.05 0.91 0.00	26.72 0.85 0.00	29.09 1.06 0.00	31.29 1.17 0.00	31.45 1.21 0.00	33.59 1.54 0.00	33.38 1.59 0.00	28.00 1.08 0.00	24.45 0.96 0.00	22.74 0.81 0.00
DANC__LFGE 323619	21.54 -0.44 0.00	19.36 -0.42 0.00	18.59 -0.38 0.00	18.36 -0.41 0.00	18.70 -0.44 0.00	21.38 -0.44 0.00	26.57 -0.52 0.00	29.86 -0.52 0.00	29.85 -0.58 0.00	29.07 -0.81 0.00	28.21 -0.78 0.00	27.85 -0.89 0.00	27.30 -0.96 0.00	26.27 -0.95 0.00	25.22 -0.92 0.00	25.01 -0.85 0.00	27.10 -0.92 0.00	29.25 -0.87 0.00	29.49 -0.75 0.00	31.44 -0.61 0.00	31.22 -0.57 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.43 -0.50 0.00
DANSKAMMER__1 23586	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.52 1.43 0.00	32.38 2.00 0.00	32.52 2.10 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.39 1.53 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00
DANSKAMMER__2 23589	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.52 1.43 0.00	32.38 2.00 0.00	32.52 2.10 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.39 1.53 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00
DANSKAMMER__3 23590	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.52 1.43 0.00	32.38 2.00 0.00	32.52 2.10 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.39 1.53 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00



DANSKAMMER___4 23591	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.52 1.43 0.00	32.38 2.00 0.00	32.52 2.10 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.39 1.53 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00
DANSKAMMER___DIESEL 23592	22.97 0.99 0.00	20.64 0.87 0.00	19.78 0.82 0.00	19.66 0.88 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.55 1.46 0.00	32.38 2.00 0.00	32.28 1.86 0.00	31.73 1.85 0.00	30.64 1.65 0.00	30.49 1.75 0.00	29.99 1.72 0.00	28.88 1.66 0.00	27.81 1.67 0.00	27.47 1.60 0.00	29.71 1.68 0.00	32.05 1.93 0.00	32.21 1.97 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.54 1.62 0.00	24.92 1.43 0.00	23.20 1.27 0.00
DARBY___SOLAR 323810	22.60 0.61 0.00	20.31 0.53 0.00	19.52 0.55 0.00	19.36 0.58 0.00	19.77 0.63 0.00	22.53 0.72 0.00	28.09 1.00 0.00	31.77 1.40 0.00	31.73 1.31 0.00	30.93 1.05 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.20 0.98 0.00	27.05 0.91 0.00	26.75 0.88 0.00	29.09 1.06 0.00	31.29 1.17 0.00	31.45 1.21 0.00	33.59 1.54 0.00	33.38 1.59 0.00	28.00 1.08 0.00	24.45 0.96 0.00	22.74 0.81 0.00
DASHVILLE___HYD 23610	22.66 0.68 0.00	20.39 0.61 0.00	19.52 0.55 0.00	19.39 0.62 0.00	19.79 0.65 0.00	22.47 0.65 0.00	28.09 1.00 0.00	31.83 1.46 0.00	31.73 1.31 0.00	31.22 1.34 0.00	30.12 1.13 0.00	29.98 1.24 0.00	29.48 1.22 0.00	28.42 1.20 0.00	27.37 1.23 0.00	27.06 1.19 0.00	29.26 1.23 0.00	31.57 1.45 0.00	31.75 1.51 0.00	33.85 1.79 0.00	33.54 1.75 0.00	28.14 1.21 0.00	24.60 1.10 0.00	22.92 0.99 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	23.34 1.36 0.00	21.12 1.34 0.00	20.20 1.23 0.00	19.98 1.20 0.00	20.73 1.59 0.00	23.54 1.72 0.00	30.07 2.98 0.00	34.08 3.71 0.00	32.46 2.04 0.00	32.90 3.02 0.00	32.03 3.04 0.00	31.90 3.16 0.00	31.35 3.08 0.00	30.10 2.89 0.00	29.91 2.82 -0.95	30.58 2.90 -1.82	31.44 3.28 -0.13	40.28 3.49 -6.67	45.17 3.57 -11.36	39.87 3.97 -3.84	39.56 4.07 -3.70	35.67 3.18 -5.57	27.21 2.72 -0.99	24.38 2.46 0.00
DELAWARE___LFGE 323621	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.64 0.83 0.00	28.15 1.06 0.00	31.80 1.43 0.00	31.73 1.31 0.00	31.11 1.23 0.00	30.21 1.22 0.00	29.95 1.21 0.00	29.48 1.22 0.00	28.39 1.17 0.00	27.24 1.10 0.00	26.95 1.09 0.00	29.18 1.15 0.00	31.30 1.17 0.00	31.45 1.21 0.00	33.59 1.54 0.00	33.32 1.53 0.00	28.03 1.10 0.00	24.48 0.99 0.00	22.83 0.90 0.00
DERFIELD_115KV_TB7 355931	22.07 0.09 0.00	19.87 0.10 0.00	19.06 0.09 0.00	18.87 0.09 0.00	19.23 0.10 0.00	21.92 0.11 0.00	27.25 0.16 0.00	30.65 0.27 0.00	30.64 0.21 0.00	30.06 0.18 0.00	29.19 0.20 0.00	28.94 0.20 0.00	28.46 0.20 0.00	27.41 0.19 0.00	26.32 0.18 0.00	26.05 0.18 0.00	28.25 0.22 0.00	30.36 0.24 0.00	30.48 0.24 0.00	32.41 0.35 0.00	32.11 0.32 0.00	27.14 0.22 0.00	23.68 0.19 0.00	22.10 0.18 0.00
DOGLEVILLE___HYD 23807	22.35 0.37 0.00	20.09 0.32 0.00	19.25 0.28 0.00	19.06 0.28 0.00	19.39 0.25 0.00	22.12 0.31 0.00	27.44 0.35 0.00	30.86 0.48 0.00	30.85 0.43 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.35 0.00	28.61 0.34 0.00	27.55 0.33 0.00	26.43 0.29 0.00	26.15 0.29 0.00	28.34 0.31 0.00	30.45 0.33 0.00	30.57 0.33 0.00	32.44 0.39 0.00	32.14 0.35 0.00	27.06 0.14 0.00	23.59 0.09 0.00	21.95 0.02 0.00
DUNKIRK___115KV_TB_200 55889	22.53 0.55 0.00	20.15 0.38 0.00	19.27 0.30 0.00	19.09 0.32 0.00	19.46 0.33 0.00	22.34 0.52 0.00	27.25 0.16 0.00	30.10 -0.27 0.00	30.09 -0.33 0.00	28.68 -1.20 0.00	28.38 -0.61 0.00	28.08 -0.66 0.00	27.64 -0.62 0.00	26.48 -0.73 0.00	25.28 -0.86 0.00	24.93 -0.93 0.00	26.77 -1.26 0.00	28.34 -1.78 0.00	28.58 -1.66 0.00	30.93 -1.12 0.00	30.81 -0.99 0.00	25.74 -1.18 0.00	22.43 -1.06 0.00	21.10 -0.83 0.00
DUNKIRK___1 23563	22.53 0.55 0.00	20.15 0.38 0.00	19.27 0.30 0.00	19.09 0.32 0.00	19.46 0.33 0.00	22.34 0.52 0.00	27.25 0.16 0.00	30.10 -0.27 0.00	30.09 -0.33 0.00	28.68 -1.20 0.00	28.38 -0.61 0.00	28.08 -0.66 0.00	27.64 -0.62 0.00	26.48 -0.73 0.00	25.28 -0.86 0.00	24.93 -0.93 0.00	26.77 -1.26 0.00	28.34 -1.78 0.00	28.58 -1.66 0.00	30.93 -1.12 0.00	30.81 -0.99 0.00	25.74 -1.18 0.00	22.43 -1.06 0.00	21.10 -0.83 0.00
DUNKIRK___2 23564	22.53 0.55 0.00	20.15 0.38 0.00	19.27 0.30 0.00	19.09 0.32 0.00	19.46 0.33 0.00	22.34 0.52 0.00	27.25 0.16 0.00	30.10 -0.27 0.00	30.09 -0.33 0.00	28.68 -1.20 0.00	28.38 -0.61 0.00	28.08 -0.66 0.00	27.64 -0.62 0.00	26.48 -0.73 0.00	25.28 -0.86 0.00	24.93 -0.93 0.00	26.77 -1.26 0.00	28.34 -1.78 0.00	28.58 -1.66 0.00	30.93 -1.12 0.00	30.81 -0.99 0.00	25.74 -1.18 0.00	22.43 -1.06 0.00	21.10 -0.83 0.00
DUNKIRK___3 23565	22.40 0.42 0.00	20.05 0.28 0.00	19.18 0.21 0.00	19.00 0.23 0.00	19.37 0.23 0.00	22.25 0.44 0.00	27.12 0.03 0.00	29.95 -0.43 0.00	29.97 -0.46 0.00	28.60 -1.28 0.00	28.26 -0.72 0.00	27.96 -0.78 0.00	27.56 -0.71 0.00	26.40 -0.82 0.00	25.22 -0.91 0.00	24.88 -0.98 0.00	26.71 -1.32 0.00	28.31 -1.81 0.00	28.55 -1.69 0.00	30.87 -1.19 0.00	30.74 -1.05 0.00	25.71 -1.21 0.00	22.43 -1.06 0.00	21.10 -0.83 0.00
DUNKIRK___4 23566	22.40 0.42 0.00	20.05 0.28 0.00	19.18 0.21 0.00	19.00 0.23 0.00	19.37 0.23 0.00	22.25 0.44 0.00	27.12 0.03 0.00	29.95 -0.43 0.00	29.97 -0.46 0.00	28.60 -1.28 0.00	28.26 -0.72 0.00	27.96 -0.78 0.00	27.56 -0.71 0.00	26.40 -0.82 0.00	25.22 -0.91 0.00	24.88 -0.98 0.00	26.71 -1.32 0.00	28.31 -1.81 0.00	28.55 -1.69 0.00	30.87 -1.19 0.00	30.74 -1.05 0.00	25.71 -1.21 0.00	22.43 -1.06 0.00	21.10 -0.83 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.84 0.86 0.00	20.56 0.79 0.00	19.71 0.74 0.00	19.58 0.81 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.29 1.91 0.00	32.22 1.80 0.00	31.76 1.88 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.05 1.78 0.00	28.99 1.77 0.00	27.92 1.78 0.00	27.68 1.81 0.00	29.96 1.93 0.00	32.26 2.14 0.00	32.45 2.21 0.00	34.65 2.60 0.00	34.34 2.54 0.00	28.73 1.80 0.00	25.14 1.64 0.00	23.35 1.43 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	22.77 0.79 0.00	20.49 0.71 0.00	19.61 0.64 0.00	19.49 0.71 0.00	19.87 0.73 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.01 1.64 0.00	31.95 1.52 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.18 1.44 0.00	29.68 1.41 0.00	28.61 1.39 0.00	27.55 1.41 0.00	27.24 1.37 0.00	29.48 1.46 0.00	31.78 1.66 0.00	31.93 1.69 0.00	34.10 2.05 0.00	33.80 2.00 0.00	28.33 1.40 0.00	24.74 1.25 0.00	23.03 1.10 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	22.84 0.86 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.62 0.84 0.00	19.92 0.78 0.00	22.51 0.70 0.00	28.17 1.08 0.00	32.14 1.76 0.00	32.16 1.73 0.00	31.76 1.88 0.00	30.58 1.59 0.00	30.46 1.72 0.00	30.05 1.78 0.00	28.99 1.77 0.00	27.94 1.80 0.00	27.75 1.89 0.00	30.02 1.99 0.00	32.29 2.17 0.00	32.51 2.27 0.00	34.68 2.63 0.00	34.30 2.51 0.00	28.78 1.86 0.00	25.30 1.81 0.00	23.49 1.56 0.00
E179THST_13_KV_LOAD 356214	22.93 0.95 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.69 0.92 0.00	20.00 0.86 0.00	22.60 0.79 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.12 1.91 0.00	28.07 1.93 0.00	27.88 2.02 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.66 2.42 0.00	34.87 2.82 0.00	34.46 2.67 0.00	28.92 1.99 0.00	25.39 1.90 0.00	23.60 1.67 0.00
EAST HAMPTON___GT 23717	23.54 1.56 0.00	21.30 1.52 0.00	20.29 1.33 0.00	20.14 1.37 0.00	20.90 1.76 0.00	23.73 1.92 0.00	30.20 3.11 0.00	34.41 4.04 0.00	33.44 3.01 0.00	32.81 2.93 0.00	32.33 3.33 -0.01	32.17 3.42 -0.01	31.67 3.39 -0.01	30.41 3.18 -0.01	30.17 3.08 -0.95	30.79 3.10 -1.82	31.67 3.50 -0.14	40.55 3.76 -6.67	45.44 3.84 -11.36	40.19 4.30 -3.84	39.89 4.39 -3.71	35.88 3.39 -5.57	27.42 2.94 -0.99	24.55 2.61 -0.01
EAST RIVER___6 23660	22.82 0.84 0.00	20.54 0.77 0.00	19.67 0.70 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.65 2.22 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.21 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.23 1.74 0.00	23.31 1.38 0.00
EAST RIVER___7 23524	22.82 0.84 0.00	20.54 0.77 0.00	19.67 0.70 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.65 2.22 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.21 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.23 1.74 0.00	23.31 1.38 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	22.79 0.81 0.00	20.53 0.75 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.23 1.85 0.00	32.16 1.73 0.00	31.67 1.79 0.00	30.61 1.62 0.00	30.46 1.72 0.00	29.99 1.72 0.00	28.93 1.71 0.00	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.27 2.48 0.00	28.68 1.75 0.00	25.07 1.57 0.00	23.31 1.38 0.00
EAST_HAMPTON___DIESEL 23722	23.56 1.58 0.00	21.30 1.52 0.00	20.29 1.33 0.00	20.14 1.37 0.00	20.90 1.76 0.00	23.73 1.92 0.00	30.20 3.11 0.00	34.41 4.04 0.00	33.44 3.01 0.00	32.84 2.96 0.00	32.33 3.33 -0.01	32.20 3.45 -0.01	31.67 3.39 -0.01	30.41 3.18 -0.01	30.17 3.08 -0.95	30.79 3.10 -1.82	31.67 3.50 -0.14	40.55 3.76 -6.67	45.44 3.84 -11.36	40.19 4.30 -3.84	39.89 4.39 -3.71	35.88 3.39 -5.57	27.42 2.94 -0.99	24.55 2.61 -0.01
EAST_POINT___SOLAR 323840	23.01 1.03 0.00	20.66 0.89 0.00	19.84 0.87 0.00	19.69 0.92 0.00	20.11 0.98 0.00	23.04 1.22 0.00	28.82 1.73 0.00	32.26 1.88 0.00	32.04 1.61 0.00	31.22 1.34 0.00	30.35 1.36 0.00	30.03 1.29 0.00	29.57 1.30 0.00	28.44 1.22 0.00	27.26 1.12 0.00	26.98 1.11 0.00	29.29 1.26 0.00	31.54 1.42 0.00	31.75 1.51 0.00	34.04 1.99 0.00	33.86 2.07 0.00	28.38 1.45 0.00	24.92 1.43 0.00	23.16 1.23 0.00
EAST_PULASKI___ESR 323781	21.48 -0.50 0.00	19.30 -0.47 0.00	18.53 -0.44 0.00	18.27 -0.51 0.00	18.62 -0.52 0.00	21.27 -0.54 0.00	26.41 -0.68 0.00	29.64 -0.73 0.00	29.70 -0.73 0.00	28.98 -0.90 0.00	28.09 -0.90 0.00	27.79 -0.95 0.00	27.27 -0.99 0.00	26.24 -0.98 0.00	25.20 -0.94 0.00	24.96 -0.91 0.00	26.99 -1.04 0.00	29.10 -1.02 0.00	29.30 -0.94 0.00	31.22 -0.83 0.00	31.00 -0.79 0.00	26.12 -0.81 0.00	22.81 -0.68 0.00	21.34 -0.59 0.00
EAST_RIVER___1 323558	22.84 0.86 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.31 1.22 0.00	32.35 1.97 0.00	32.62 2.19 0.00	31.91 2.03 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.19 1.92 0.00	29.12 1.90 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.78 1.86 0.00	25.23 1.74 0.00	23.33 1.40 0.00
EAST_RIVER___2 323559	22.82 0.84 0.00	20.54 0.77 0.00	19.67 0.70 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.65 2.22 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.21 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.23 1.74 0.00	23.31 1.38 0.00
EAST___DELAWARE_HYD 23607	23.01 1.03 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.86 1.05 0.00	28.58 1.49 0.00	32.41 2.04 0.00	32.59 2.16 0.00	31.76 1.88 0.00	30.61 1.62 0.00	30.41 1.67 0.00	29.93 1.67 0.00	28.85 1.63 0.00	27.79 1.65 0.00	27.37 1.50 0.00	29.65 1.62 0.00	32.05 1.93 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.51 1.59 0.00	24.90 1.41 0.00	23.16 1.23 0.00
EIGHT_POINT___WT_PWR 323820	23.21 1.23 0.00	20.78 1.01 0.00	19.93 0.97 0.00	19.79 1.01 0.00	20.19 1.05 0.00	23.19 1.38 0.00	28.66 1.57 0.00	32.04 1.67 0.00	32.19 1.76 0.00	31.02 1.14 0.00	30.00 1.01 0.00	29.69 0.95 0.00	29.11 0.85 0.00	27.95 0.74 0.00	26.82 0.68 0.00	26.49 0.62 0.00	28.62 0.59 0.00	30.87 0.75 0.00	31.03 0.78 0.00	33.27 1.22 0.00	32.91 1.11 0.00	27.57 0.65 0.00	23.91 0.42 0.00	22.59 0.66 0.00
ELBRIDGE_115KV_TB2 80188	21.61 -0.37 0.00	19.44 -0.34 0.00	18.63 -0.34 0.00	18.36 -0.41 0.00	18.74 -0.40 0.00	21.38 -0.44 0.00	26.55 -0.54 0.00	29.80 -0.58 0.00	29.85 -0.58 0.00	29.07 -0.81 0.00	28.29 -0.70 0.00	28.02 -0.72 0.00	27.56 -0.71 0.00	26.51 -0.71 0.00	25.43 -0.71 0.00	25.12 -0.75 0.00	27.19 -0.84 0.00	29.22 -0.90 0.00	29.48 -0.76 0.00	31.32 -0.74 0.00	31.09 -0.70 0.00	26.17 -0.75 0.00	22.83 -0.66 0.00	21.36 -0.57 0.00
ELEC_TRO_TEK 24086	22.73 0.75 0.00	20.49 0.71 0.00	19.61 0.64 0.00	19.41 0.64 0.00	20.02 0.88 0.00	22.75 0.94 0.00	28.93 1.84 0.00	32.62 2.25 0.00	31.80 1.37 0.00	32.03 2.15 0.00	31.08 2.09 0.00	30.90 2.16 0.00	30.41 2.15 0.00	29.23 2.01 0.00	29.05 1.96 -0.95	29.68 1.99 -1.82	30.18 2.16 0.00	32.66 2.35 -0.19	33.83 2.42 -1.17	36.75 2.79 -1.91	34.65 2.86 0.00	30.78 2.05 -1.80	26.39 1.90 -0.99	23.75 1.82 0.00



ELLENBURG_WT_PWR 323604	22.29 0.31 0.00	20.03 0.26 0.00	19.21 0.25 0.00	19.06 0.28 0.00	19.41 0.27 0.00	22.14 0.33 0.00	27.14 0.05 0.00	30.22 -0.15 0.00	30.12 -0.30 0.00	30.33 0.45 0.00	29.28 0.29 0.00	28.83 0.09 0.00	28.29 0.03 0.00	27.22 0.00 0.00	26.14 0.00 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.15 0.03 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.61 0.00	26.58 -0.35 0.00	23.04 -0.45 0.00	21.40 -0.53 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	22.00 0.02 0.00	19.69 -0.08 0.00	18.85 -0.11 0.00	18.66 -0.11 0.00	19.02 -0.11 0.00	21.84 0.02 0.00	26.60 -0.49 0.00	29.40 -0.97 0.00	29.48 -0.94 0.00	28.06 -1.82 0.00	27.80 -1.19 0.00	27.50 -1.24 0.00	27.13 -1.13 0.00	25.99 -1.22 0.00	24.83 -1.31 0.00	24.52 -1.35 0.00	26.29 -1.74 0.00	27.86 -2.26 0.00	28.15 -2.09 0.00	30.39 -1.67 0.00	30.27 -1.53 0.00	25.34 -1.59 0.00	22.13 -1.36 0.00	20.81 -1.12 0.00
EMPIRE_CC_1 323656	22.33 0.35 0.00	20.11 0.34 0.00	19.33 0.36 0.00	19.17 0.39 0.00	19.54 0.40 0.00	22.25 0.44 0.00	27.50 0.41 0.00	31.19 0.82 0.00	31.16 0.73 0.00	30.36 0.48 0.00	29.45 0.46 0.00	29.20 0.46 0.00	28.75 0.48 0.00	27.71 0.49 0.00	26.63 0.50 0.00	26.33 0.47 0.00	28.67 0.65 0.00	30.87 0.75 0.00	31.03 0.78 0.00	33.08 1.03 0.00	32.78 0.99 0.00	27.57 0.65 0.00	24.10 0.61 0.00	22.50 0.57 0.00
EMPIRE_CC_2 323658	22.33 0.35 0.00	20.11 0.34 0.00	19.33 0.36 0.00	19.17 0.39 0.00	19.54 0.40 0.00	22.25 0.44 0.00	27.50 0.41 0.00	31.19 0.82 0.00	31.16 0.73 0.00	30.36 0.48 0.00	29.45 0.46 0.00	29.20 0.46 0.00	28.75 0.48 0.00	27.71 0.49 0.00	26.63 0.50 0.00	26.33 0.47 0.00	28.67 0.65 0.00	30.87 0.75 0.00	31.03 0.78 0.00	33.08 1.03 0.00	32.78 0.99 0.00	27.57 0.65 0.00	24.10 0.61 0.00	22.50 0.57 0.00
ENORWICH_115KV_TB1 80156	23.70 1.71 0.00	21.26 1.48 0.00	20.39 1.42 0.00	20.20 1.43 0.00	20.54 1.40 0.00	23.58 1.77 0.00	29.28 2.19 0.00	33.29 2.92 0.00	33.10 2.68 0.00	32.12 2.24 0.00	31.25 2.26 0.00	30.90 2.16 0.00	30.41 2.15 0.00	29.21 1.99 0.00	27.86 1.73 0.00	27.62 1.76 0.00	29.93 1.91 0.00	32.14 2.02 0.00	32.51 2.27 0.00	34.81 2.76 0.00	34.53 2.73 0.00	28.87 1.94 0.00	25.16 1.67 0.00	23.38 1.45 0.00
ERIE_ST_34_KV_TB1-2 80199	22.53 0.55 0.00	20.13 0.36 0.00	19.27 0.30 0.00	19.07 0.30 0.00	19.46 0.33 0.00	22.36 0.55 0.00	27.31 0.22 0.00	30.13 -0.24 0.00	30.21 -0.21 0.00	28.83 -1.05 0.00	28.55 -0.43 0.00	28.25 -0.49 0.00	27.81 -0.45 0.00	26.65 -0.57 0.00	25.49 -0.65 0.00	25.17 -0.70 0.00	27.02 -1.01 0.00	28.65 -1.48 0.00	28.88 -1.36 0.00	31.22 -0.83 0.00	31.06 -0.73 0.00	25.98 -0.94 0.00	22.67 -0.82 0.00	21.36 -0.57 0.00
ERIE_WT_PWR 323693	22.20 0.22 0.00	19.87 0.10 0.00	19.02 0.06 0.00	18.83 0.06 0.00	19.20 0.06 0.00	22.03 0.22 0.00	26.98 -0.11 0.00	29.68 -0.70 0.00	30.00 -0.43 0.00	29.01 -0.87 0.00	28.09 -0.90 0.00	27.94 -0.80 0.00	27.36 -0.91 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.91 -0.96 0.00	26.51 -1.51 0.00	28.19 -1.93 0.00	28.39 -1.85 0.00	30.64 -1.41 0.00	30.52 -1.27 0.00	25.77 -1.16 0.00	22.36 -1.13 0.00	21.38 -0.55 0.00
ESPRGFLD_115KV_TB1 80157	22.99 1.01 0.00	20.62 0.85 0.00	19.80 0.83 0.00	19.64 0.86 0.00	20.04 0.90 0.00	22.95 1.13 0.00	28.63 1.54 0.00	32.23 1.85 0.00	32.10 1.67 0.00	31.37 1.49 0.00	30.50 1.51 0.00	30.24 1.49 0.00	29.76 1.50 0.00	28.63 1.42 0.00	27.45 1.31 0.00	27.13 1.27 0.00	29.37 1.35 0.00	31.57 1.45 0.00	31.78 1.54 0.00	33.98 1.92 0.00	33.76 1.97 0.00	28.35 1.43 0.00	24.83 1.34 0.00	23.09 1.16 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	21.91 -0.07 0.00	19.69 -0.08 0.00	18.89 -0.08 0.00	18.62 -0.15 0.00	18.98 -0.15 0.00	21.68 -0.13 0.00	26.95 -0.14 0.00	30.28 -0.09 0.00	30.30 -0.12 0.00	29.43 -0.45 0.00	28.61 -0.38 0.00	28.34 -0.40 0.00	27.87 -0.40 0.00	26.78 -0.44 0.00	25.69 -0.44 0.00	25.40 -0.47 0.00	27.49 -0.53 0.00	29.61 -0.51 0.00	30.00 -0.24 0.00	31.89 -0.16 0.00	31.67 -0.13 0.00	26.63 -0.30 0.00	23.21 -0.28 0.00	21.67 -0.26 0.00
ETNA____115KV_TB2 80207	21.91 -0.07 0.00	19.69 -0.08 0.00	18.89 -0.08 0.00	18.62 -0.15 0.00	18.98 -0.15 0.00	21.68 -0.13 0.00	26.95 -0.14 0.00	30.28 -0.09 0.00	30.30 -0.12 0.00	29.43 -0.45 0.00	28.61 -0.38 0.00	28.34 -0.40 0.00	27.87 -0.40 0.00	26.78 -0.44 0.00	25.69 -0.44 0.00	25.40 -0.47 0.00	27.49 -0.53 0.00	29.61 -0.51 0.00	30.00 -0.24 0.00	31.89 -0.16 0.00	31.67 -0.13 0.00	26.63 -0.30 0.00	23.21 -0.28 0.00	21.67 -0.26 0.00
EUCLID____115KV_TB2 356179	21.52 -0.46 0.00	19.34 -0.44 0.00	18.55 -0.42 0.00	18.29 -0.49 0.00	18.66 -0.48 0.00	21.29 -0.52 0.00	26.41 -0.68 0.00	29.64 -0.73 0.00	29.70 -0.73 0.00	28.92 -0.96 0.00	28.18 -0.81 0.00	27.91 -0.83 0.00	27.45 -0.82 0.00	26.40 -0.82 0.00	25.33 -0.81 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.10 -1.02 0.00	29.33 -0.91 0.00	31.19 -0.87 0.00	30.97 -0.83 0.00	26.06 -0.86 0.00	22.74 -0.75 0.00	21.27 -0.66 0.00
E_CANADA_CAP_HY 24051	22.97 0.99 0.00	20.62 0.85 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.08 0.94 0.00	22.99 1.18 0.00	28.74 1.65 0.00	32.13 1.76 0.00	32.07 1.64 0.00	31.19 1.31 0.00	30.26 1.27 0.00	29.95 1.21 0.00	29.48 1.21 0.00	28.36 1.14 0.00	27.21 1.07 0.00	26.90 1.04 0.00	29.20 1.18 0.00	31.48 1.36 0.00	31.66 1.42 0.00	33.91 1.86 0.00	33.77 1.97 0.00	28.30 1.37 0.00	24.88 1.39 0.00	23.13 1.21 0.00
E_CANADA_MHWK_HY 24050	22.35 0.37 0.00	20.09 0.32 0.00	19.25 0.28 0.00	19.06 0.28 0.00	19.39 0.25 0.00	22.12 0.31 0.00	27.44 0.35 0.00	30.86 0.48 0.00	30.85 0.43 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.35 0.00	28.61 0.34 0.00	27.55 0.33 0.00	26.43 0.29 0.00	26.15 0.29 0.00	28.34 0.31 0.00	30.45 0.33 0.00	30.57 0.33 0.00	32.44 0.39 0.00	32.14 0.35 0.00	27.06 0.14 0.00	23.59 0.09 0.00	21.95 0.02 0.00
E_FISHKILL____LBMP 23776	22.64 0.66 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.51 0.70 0.00	28.07 0.98 0.00	31.89 1.52 0.00	31.80 1.37 0.00	31.28 1.40 0.00	30.24 1.25 0.00	30.06 1.32 0.00	29.59 1.33 0.00	28.55 1.33 0.00	27.45 1.31 0.00	27.21 1.35 0.00	29.51 1.49 0.00	31.75 1.63 0.00	31.93 1.69 0.00	34.07 2.02 0.00	33.76 1.97 0.00	28.33 1.40 0.00	24.76 1.27 0.00	23.07 1.14 0.00
FALCON____SEABRD_CC1 323796	22.79 0.81 0.00	20.48 0.71 0.00	19.63 0.66 0.00	19.47 0.70 0.00	19.83 0.69 0.00	22.64 0.83 0.00	27.47 0.38 0.00	30.62 0.24 0.00	30.52 0.09 0.00	31.02 1.14 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.80 0.54 0.00	27.71 0.49 0.00	26.58 0.44 0.00	26.36 0.49 0.00	28.50 0.48 0.00	30.69 0.57 0.00	30.60 0.36 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.26 -0.23 0.00	21.58 -0.35 0.00



FALCON___SEABRD_CC2 323797	22.79 0.81 0.00	20.48 0.71 0.00	19.63 0.66 0.00	19.47 0.70 0.00	19.83 0.69 0.00	22.64 0.83 0.00	27.47 0.38 0.00	30.62 0.24 0.00	30.52 0.09 0.00	31.02 1.14 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.80 0.54 0.00	27.71 0.49 0.00	26.58 0.44 0.00	26.36 0.49 0.00	28.50 0.48 0.00	30.69 0.57 0.00	30.60 0.36 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.26 -0.23 0.00	21.58 -0.35 0.00
FAR ROCKAWAY___4 23548	22.97 0.99 0.00	20.70 0.93 0.00	19.80 0.83 0.00	19.60 0.83 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.34 2.25 0.00	33.05 2.67 0.00	32.16 1.73 0.00	32.45 2.57 0.00	31.54 2.55 0.00	31.36 2.62 0.00	30.84 2.57 0.00	29.64 2.42 0.00	29.44 2.35 -0.95	30.06 2.38 -1.82	30.61 2.58 0.00	33.08 2.77 -0.19	34.25 2.84 -1.17	37.23 3.27 -1.91	35.16 3.37 0.00	31.23 2.50 -1.80	26.76 2.28 -0.99	24.10 2.17 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.71 0.89 0.00	28.42 1.33 0.00	32.38 2.00 0.00	32.40 1.98 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.24 1.98 0.00	29.18 1.96 0.00	28.10 1.96 0.00	27.88 2.02 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.66 2.42 0.00	34.87 2.82 0.00	34.53 2.73 0.00	28.89 1.97 0.00	25.28 1.79 0.00	23.46 1.54 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.88 0.90 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.71 0.89 0.00	28.42 1.33 0.00	32.38 2.00 0.00	32.40 1.98 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.87 2.82 0.00	34.53 2.73 0.00	28.89 1.97 0.00	25.28 1.79 0.00	23.46 1.54 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.91 2.03 0.00	30.76 1.77 0.00	30.64 1.90 0.00	30.19 1.92 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.83 1.97 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.87 1.94 0.00	25.25 1.76 0.00	23.44 1.51 0.00
FARRAGUT___LBMP 323566	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.84 1.91 0.00	25.23 1.74 0.00	23.42 1.49 0.00
FENNER___WINDPWR 24204	22.42 0.44 0.00	20.15 0.37 0.00	19.33 0.36 0.00	19.11 0.34 0.00	19.48 0.34 0.00	22.27 0.46 0.00	27.74 0.65 0.00	31.32 0.94 0.00	31.40 0.97 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.46 0.72 0.00	28.97 0.71 0.00	27.87 0.65 0.00	26.71 0.57 0.00	26.41 0.54 0.00	28.62 0.59 0.00	30.81 0.69 0.00	31.00 0.76 0.00	32.98 0.93 0.00	32.72 0.92 0.00	27.55 0.62 0.00	24.01 0.52 0.00	22.39 0.46 0.00
FIBERTEK___ENERGY 23856	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00
FITZPATRICK____ 23598	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.05 -0.76 0.00	26.14 -0.95 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.62 -1.12 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.07 -1.07 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.86 -1.26 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.59 -1.21 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
FLOWRFLD_69_KV_BK1 356044	22.97 0.99 0.00	20.72 0.95 0.00	19.84 0.87 0.00	19.62 0.84 0.00	20.31 1.17 0.00	23.08 1.27 0.00	29.47 2.38 0.00	33.26 2.89 0.00	31.98 1.55 0.00	32.36 2.48 0.00	31.48 2.49 0.00	31.30 2.56 0.00	30.89 2.63 0.00	29.72 2.50 0.00	29.55 2.46 -0.95	30.19 2.51 -1.82	31.01 2.83 -0.15	41.10 3.07 -7.90	46.75 3.21 -13.31	39.85 3.59 -4.21	39.82 3.62 -4.40	35.90 2.69 -6.28	26.88 2.40 -0.99	24.12 2.19 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.99 1.01 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.84 1.03 0.00	28.61 1.52 0.00	32.44 2.07 0.00	32.37 1.95 0.00	31.82 1.94 0.00	30.73 1.74 0.00	30.55 1.81 0.00	30.05 1.78 0.00	28.96 1.74 0.00	27.86 1.73 0.00	27.52 1.66 0.00	29.74 1.71 0.00	32.08 1.96 0.00	32.27 2.03 0.00	34.42 2.37 0.00	34.15 2.35 0.00	28.57 1.64 0.00	24.95 1.46 0.00	23.22 1.29 0.00
FORT ORANGE____ 23900	22.53 0.55 0.00	20.29 0.51 0.00	19.48 0.51 0.00	19.34 0.56 0.00	19.71 0.57 0.00	22.45 0.63 0.00	27.85 0.76 0.00	31.53 1.15 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.46 0.72 0.00	29.03 0.76 0.00	27.95 0.74 0.00	26.87 0.73 0.00	26.54 0.67 0.00	28.90 0.87 0.00	31.11 0.99 0.00	31.27 1.03 0.00	33.34 1.28 0.00	33.10 1.30 0.00	27.79 0.86 0.00	24.31 0.82 0.00	22.65 0.72 0.00
FORT_DRUM_COGEN 23780	21.72 -0.26 0.00	19.52 -0.26 0.00	18.74 -0.23 0.00	18.53 -0.24 0.00	18.87 -0.27 0.00	21.64 -0.17 0.00	26.87 -0.22 0.00	30.28 -0.09 0.00	30.12 -0.30 0.00	29.31 -0.57 0.00	28.44 -0.55 0.00	28.02 -0.72 0.00	27.47 -0.79 0.00	26.43 -0.79 0.00	25.38 -0.76 0.00	25.17 -0.70 0.00	27.35 -0.67 0.00	29.58 -0.54 0.00	29.82 -0.42 0.00	31.89 -0.16 0.00	31.67 -0.13 0.00	26.68 -0.24 0.00	23.26 -0.23 0.00	21.58 -0.35 0.00
FOX_HILLS___ESR 323835	22.95 0.97 0.00	20.64 0.87 0.00	19.75 0.78 0.00	19.64 0.86 0.00	19.98 0.84 0.00	22.62 0.81 0.00	28.34 1.25 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.97 2.09 0.00	30.76 1.77 0.00	30.67 1.93 0.00	30.24 1.98 0.00	29.21 1.99 0.00	28.18 2.04 0.00	28.01 2.15 0.00	30.33 2.30 0.00	32.65 2.53 0.00	32.87 2.63 0.00	34.97 2.92 0.00	34.69 2.89 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.62 1.69 0.00
FPL FAR_ROCK_GT1 24212	22.97 0.99 0.00	20.70 0.93 0.00	19.75 0.78 0.00	19.60 0.83 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.18 2.09 0.00	33.05 2.67 0.00	32.77 2.34 0.00	32.09 2.21 0.00	31.49 2.49 -0.01	31.34 2.59 -0.01	30.85 2.57 -0.01	29.65 2.42 -0.01	29.44 2.35 -0.95	30.04 2.35 -1.82	30.61 2.58 -0.01	33.11 2.80 -0.19	34.28 2.87 -1.17	37.24 3.27 -1.91	35.21 3.40 -0.01	31.18 2.45 -1.80	26.74 2.26 -0.99	24.07 2.13 -0.01



FPL FAR_ROCK_GT2 23815	22.97 0.99 0.00	20.70 0.93 0.00	19.75 0.78 0.00	19.60 0.83 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.18 2.09 0.00	33.05 2.67 0.00	32.77 2.34 0.00	32.09 2.21 0.00	31.49 2.49 -0.01	31.34 2.59 -0.01	30.85 2.57 -0.01	29.65 2.42 -0.01	29.44 2.35 -0.95	30.04 2.35 -1.82	30.61 2.58 -0.01	33.11 2.80 -0.19	34.28 2.87 -1.17	37.24 3.27 -1.91	35.21 3.40 -0.01	31.18 2.45 -1.80	26.74 2.26 -0.99	24.07 2.13 -0.01
FRANKLIN_FALL_HYD 24054	22.16 0.18 0.00	19.91 0.14 0.00	19.10 0.13 0.00	18.94 0.17 0.00	19.29 0.15 0.00	22.03 0.22 0.00	27.17 0.08 0.00	30.28 -0.09 0.00	30.43 0.00 0.00	30.33 0.45 0.00	29.22 0.23 0.00	28.80 0.06 0.00	28.24 -0.03 0.00	27.16 -0.05 0.00	26.09 -0.05 0.00	25.87 0.00 0.00	28.00 -0.03 0.00	30.18 0.06 0.00	30.06 -0.18 0.00	31.60 -0.45 0.00	31.16 -0.64 0.00	26.58 -0.35 0.00	23.07 -0.42 0.00	21.42 -0.50 0.00
FREEPORT_EQUS_GT1 23764	22.88 0.90 0.00	20.62 0.85 0.00	19.67 0.70 0.00	19.54 0.77 0.00	20.17 1.03 0.00	22.93 1.11 0.00	29.04 1.95 0.00	32.89 2.52 0.00	32.62 2.19 0.00	31.94 2.06 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.68 2.40 -0.01	29.49 2.26 -0.01	29.31 2.22 -0.95	29.91 2.22 -1.82	30.45 2.41 -0.01	32.96 2.65 -0.19	34.13 2.72 -1.17	37.07 3.11 -1.91	35.01 3.21 -0.01	30.99 2.26 -1.80	26.62 2.14 -0.99	23.91 1.97 -0.01
FREEPORT___CT2 23818	22.88 0.90 0.00	20.62 0.85 0.00	19.67 0.70 0.00	19.54 0.77 0.00	20.17 1.03 0.00	22.93 1.11 0.00	29.04 1.95 0.00	32.89 2.52 0.00	32.62 2.19 0.00	31.94 2.06 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.68 2.40 -0.01	29.49 2.26 -0.01	29.31 2.22 -0.95	29.91 2.22 -1.82	30.45 2.41 -0.01	32.96 2.65 -0.19	34.13 2.72 -1.17	37.07 3.11 -1.91	35.01 3.21 -0.01	30.99 2.26 -1.80	26.62 2.14 -0.99	23.91 1.97 -0.01
FRESHKLS_33_KV_LOAD 356253	22.95 0.97 0.00	20.64 0.87 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.58 0.76 0.00	28.25 1.16 0.00	32.26 1.88 0.00	32.25 1.83 0.00	31.85 1.97 0.00	30.61 1.62 0.00	30.52 1.78 0.00	30.16 1.89 0.00	29.12 1.91 0.00	28.10 1.96 0.00	27.94 2.07 0.00	30.27 2.24 0.00	32.65 2.53 0.00	32.87 2.63 0.00	34.84 2.79 0.00	34.62 2.83 0.00	29.11 2.18 0.00	25.49 2.00 0.00	23.62 1.69 0.00
FULTON COGEN____ 23766	21.45 -0.53 0.00	19.30 -0.47 0.00	18.49 -0.47 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.23 -0.59 0.00	26.36 -0.73 0.00	29.55 -0.82 0.00	29.64 -0.79 0.00	28.86 -1.02 0.00	28.09 -0.90 0.00	27.85 -0.89 0.00	27.36 -0.90 0.00	26.35 -0.87 0.00	25.28 -0.86 0.00	24.96 -0.91 0.00	27.02 -1.01 0.00	29.04 -1.08 0.00	29.30 -0.94 0.00	31.16 -0.90 0.00	30.90 -0.89 0.00	26.04 -0.89 0.00	22.72 -0.78 0.00	21.25 -0.68 0.00
FULTON___LFGE 323630	23.76 1.78 0.00	21.30 1.52 0.00	20.47 1.50 0.00	20.33 1.56 0.00	20.82 1.68 0.00	23.89 2.07 0.00	29.96 2.87 0.00	33.47 3.10 0.00	33.29 2.86 0.00	32.21 2.33 0.00	31.31 2.32 0.00	30.98 2.24 0.00	30.50 2.23 0.00	29.29 2.07 0.00	28.07 1.93 0.00	27.81 1.94 0.00	30.24 2.21 0.00	32.71 2.59 0.00	32.90 2.66 0.00	35.39 3.33 0.00	35.32 3.53 0.00	29.49 2.56 0.00	25.82 2.33 0.00	23.94 2.02 0.00
G.F.CEMENT___DRP 24184	22.64 0.66 0.00	20.33 0.55 0.00	19.54 0.57 0.00	19.37 0.60 0.00	19.81 0.67 0.00	22.62 0.81 0.00	28.25 1.16 0.00	31.92 1.55 0.00	31.73 1.31 0.00	31.08 1.20 0.00	30.21 1.22 0.00	29.92 1.18 0.00	29.45 1.19 0.00	28.31 1.09 0.00	27.16 1.02 0.00	26.82 0.96 0.00	29.18 1.15 0.00	31.36 1.23 0.00	31.51 1.27 0.00	33.69 1.63 0.00	33.51 1.72 0.00	28.11 1.18 0.00	24.52 1.03 0.00	22.83 0.90 0.00
GARDENVILLE___LBMP 24039	22.11 0.13 0.00	19.79 0.02 0.00	18.95 -0.02 0.00	18.74 -0.04 0.00	19.12 -0.02 0.00	21.94 0.13 0.00	26.74 -0.35 0.00	29.55 -0.82 0.00	29.60 -0.82 0.00	28.21 -1.67 0.00	27.95 -1.04 0.00	27.62 -1.12 0.00	27.25 -1.02 0.00	26.10 -1.12 0.00	24.94 -1.20 0.00	24.62 -1.24 0.00	26.40 -1.63 0.00	27.98 -2.14 0.00	28.27 -1.97 0.00	30.51 -1.54 0.00	30.39 -1.40 0.00	25.42 -1.51 0.00	22.20 -1.29 0.00	20.88 -1.05 0.00
GARDNVLA_35_KV_LD 355827	22.22 0.24 0.00	19.89 0.12 0.00	19.04 0.08 0.00	18.83 0.06 0.00	19.21 0.08 0.00	22.05 0.24 0.00	26.90 -0.19 0.00	29.71 -0.67 0.00	29.79 -0.64 0.00	28.39 -1.49 0.00	28.12 -0.87 0.00	27.79 -0.95 0.00	27.42 -0.85 0.00	26.27 -0.95 0.00	25.09 -1.05 0.00	24.75 -1.11 0.00	26.57 -1.46 0.00	28.13 -1.99 0.00	28.43 -1.81 0.00	30.67 -1.38 0.00	30.55 -1.24 0.00	25.55 -1.37 0.00	22.32 -1.17 0.00	20.99 -0.94 0.00
GELCKHM___115KV_LOAD 80723	21.58 -0.40 0.00	19.40 -0.38 0.00	18.61 -0.36 0.00	18.34 -0.43 0.00	18.70 -0.44 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.74 -0.64 0.00	29.82 -0.61 0.00	29.04 -0.84 0.00	28.26 -0.72 0.00	28.02 -0.72 0.00	27.56 -0.71 0.00	26.51 -0.71 0.00	25.43 -0.71 0.00	25.14 -0.72 0.00	27.21 -0.81 0.00	29.22 -0.90 0.00	29.45 -0.79 0.00	31.32 -0.74 0.00	31.06 -0.73 0.00	26.15 -0.78 0.00	22.83 -0.66 0.00	21.36 -0.57 0.00
GENERAL___MILLS 23808	22.20 0.22 0.00	19.85 0.08 0.00	19.01 0.04 0.00	18.81 0.04 0.00	19.18 0.04 0.00	22.01 0.20 0.00	26.85 -0.24 0.00	29.64 -0.73 0.00	29.73 -0.70 0.00	28.30 -1.58 0.00	28.03 -0.96 0.00	27.73 -1.01 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.70 -1.16 0.00	26.51 -1.51 0.00	28.07 -2.05 0.00	28.37 -1.87 0.00	30.61 -1.44 0.00	30.49 -1.30 0.00	25.53 -1.40 0.00	22.27 -1.22 0.00	20.94 -0.99 0.00
GE_PLASTICS___DRP 24183	22.42 0.44 0.00	20.19 0.42 0.00	19.38 0.42 0.00	19.24 0.47 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.71 0.62 0.00	31.35 0.97 0.00	31.19 0.76 0.00	30.60 0.72 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.94 0.68 0.00	27.87 0.65 0.00	26.79 0.65 0.00	26.51 0.65 0.00	28.78 0.76 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.91 1.11 0.00	27.71 0.78 0.00	24.20 0.70 0.00	22.61 0.68 0.00
GILBOA___1 23756	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.74 0.65 0.00	31.35 0.97 0.00	31.43 1.00 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.90 0.76 0.00	26.59 0.72 0.00	28.87 0.84 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.20 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.59 0.66 0.00
GILBOA___2 23757	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.74 0.65 0.00	31.35 0.97 0.00	31.43 1.00 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.90 0.76 0.00	26.59 0.72 0.00	28.87 0.84 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.20 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.59 0.66 0.00



GILBOA___3 23758	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.74 0.65 0.00	31.35 0.97 0.00	31.43 1.00 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.90 0.76 0.00	26.59 0.72 0.00	28.87 0.84 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.20 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.59 0.66 0.00
GILBOA___4 23759	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.74 0.65 0.00	31.35 0.97 0.00	31.43 1.00 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.90 0.76 0.00	26.59 0.72 0.00	28.87 0.84 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.20 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.59 0.66 0.00
GILBOA___ 23599	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.74 0.65 0.00	31.35 0.97 0.00	31.28 0.85 0.00	30.69 0.81 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.90 0.76 0.00	26.62 0.75 0.00	28.87 0.84 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.21 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.61 0.68 0.00
GINNA___ 23603	20.62 -1.36 0.00	18.49 -1.28 0.00	17.72 -1.25 0.00	17.48 -1.30 0.00	17.82 -1.32 0.00	20.40 -1.42 0.00	25.25 -1.84 0.00	28.09 -2.28 0.00	28.30 -2.13 0.00	27.55 -2.33 0.00	26.67 -2.32 0.00	26.47 -2.27 0.00	25.89 -2.37 0.00	24.88 -2.34 0.00	23.81 -2.33 0.00	23.64 -2.22 0.00	25.42 -2.61 0.00	27.26 -2.86 0.00	27.49 -2.75 0.00	29.30 -2.76 0.00	29.12 -2.67 0.00	24.50 -2.42 0.00	21.38 -2.11 0.00	20.09 -1.84 0.00
GLEN PARK___ 23778	21.78 -0.20 0.00	19.56 -0.22 0.00	18.80 -0.17 0.00	18.59 -0.19 0.00	18.93 -0.21 0.00	21.71 -0.11 0.00	27.04 -0.05 0.00	30.40 0.03 0.00	30.24 -0.18 0.00	29.43 -0.45 0.00	28.52 -0.46 0.00	28.08 -0.66 0.00	27.53 -0.74 0.00	26.49 -0.73 0.00	25.43 -0.70 0.00	25.24 -0.62 0.00	27.44 -0.59 0.00	29.73 -0.39 0.00	29.97 -0.27 0.00	32.08 0.03 0.00	31.89 0.10 0.00	26.87 -0.05 0.00	23.40 -0.09 0.00	21.73 -0.20 0.00
GLENDALE_27_KV_LOAD 356172	22.95 0.97 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.69 0.92 0.00	20.04 0.90 0.00	22.73 0.92 0.00	28.44 1.35 0.00	32.47 2.10 0.00	32.50 2.07 0.00	32.06 2.18 0.00	30.87 1.88 0.00	30.75 2.01 0.00	30.33 2.06 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.01 2.15 0.00	30.30 2.27 0.00	32.62 2.50 0.00	32.81 2.57 0.00	35.00 2.95 0.00	34.65 2.86 0.00	29.03 2.10 0.00	25.42 1.93 0.00	23.57 1.64 0.00
GLENWOOD_IC_1_G5 23712	22.95 0.97 0.00	20.66 0.89 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.11 0.98 0.00	22.86 1.05 0.00	28.77 1.68 0.00	32.62 2.25 0.00	32.28 1.86 0.00	32.09 2.21 0.00	31.08 2.09 0.00	30.95 2.21 0.00	30.47 2.20 0.00	29.34 2.12 0.00	29.18 2.09 -0.95	29.81 2.12 -1.82	30.33 2.30 0.00	32.81 2.50 -0.19	33.98 2.57 -1.17	36.95 2.98 -1.91	34.75 2.96 0.00	30.88 2.15 -1.80	26.41 1.93 -0.99	23.68 1.75 0.00
GLENWOOD_IC_2_G1 23688	22.88 0.90 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	20.02 0.88 0.00	22.75 0.94 0.00	28.44 1.35 0.00	32.41 2.04 0.00	32.56 2.13 0.00	31.82 1.94 0.00	30.83 1.83 -0.01	30.64 1.90 -0.01	30.22 1.95 -0.01	29.13 1.90 -0.01	28.97 1.88 -0.95	29.57 1.89 -1.82	30.11 2.07 -0.01	32.60 2.29 -0.19	33.74 2.33 -1.17	36.69 2.72 -1.91	34.47 2.67 -0.01	30.61 1.88 -1.80	26.22 1.74 -0.99	23.43 1.49 -0.01
GLENWOOD_IC_3_G1 23689	22.88 0.90 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	20.02 0.88 0.00	22.75 0.94 0.00	28.44 1.35 0.00	32.41 2.04 0.00	32.56 2.13 0.00	31.82 1.94 0.00	30.83 1.83 -0.01	30.64 1.90 -0.01	30.22 1.95 -0.01	29.13 1.90 -0.01	28.97 1.88 -0.95	29.57 1.89 -1.82	30.11 2.07 -0.01	32.60 2.29 -0.19	33.74 2.33 -1.17	36.69 2.72 -1.91	34.47 2.67 -0.01	30.61 1.88 -1.80	26.22 1.74 -0.99	23.43 1.49 -0.01
GLENWOOD___4 23550	22.95 0.97 0.00	20.66 0.89 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.11 0.98 0.00	22.86 1.05 0.00	28.77 1.68 0.00	32.62 2.25 0.00	32.28 1.86 0.00	32.09 2.21 0.00	31.08 2.09 0.00	30.95 2.21 0.00	30.47 2.20 0.00	29.34 2.12 0.00	29.18 2.09 -0.95	29.81 2.12 -1.82	30.33 2.30 0.00	32.81 2.50 -0.19	33.98 2.57 -1.17	36.95 2.98 -1.91	34.75 2.96 0.00	30.88 2.15 -1.80	26.41 1.93 -0.99	23.68 1.75 0.00
GLENWOOD___5 23614	22.95 0.97 0.00	20.66 0.89 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.11 0.98 0.00	22.86 1.05 0.00	28.77 1.68 0.00	32.62 2.25 0.00	32.28 1.86 0.00	32.09 2.21 0.00	31.08 2.09 0.00	30.95 2.21 0.00	30.47 2.20 0.00	29.34 2.12 0.00	29.18 2.09 -0.95	29.81 2.12 -1.82	30.33 2.30 0.00	32.81 2.50 -0.19	33.98 2.57 -1.17	36.95 2.98 -1.91	34.75 2.96 0.00	30.88 2.15 -1.80	26.41 1.93 -0.99	23.68 1.75 0.00
GLOBAL GREEN_PORT_GT1 23814	23.50 1.52 0.00	21.26 1.48 0.00	20.26 1.29 0.00	20.11 1.33 0.00	20.86 1.72 0.00	23.69 1.88 0.00	30.15 3.06 0.00	34.35 3.98 0.00	33.38 2.95 0.00	32.75 2.87 0.00	32.27 3.27 -0.01	32.11 3.36 -0.01	31.64 3.36 -0.01	30.39 3.16 -0.01	30.15 3.06 -0.95	30.74 3.05 -1.82	31.64 3.47 -0.14	40.52 3.73 -6.67	45.41 3.81 -11.36	40.15 4.26 -3.84	39.86 4.36 -3.71	35.83 3.34 -5.56	27.37 2.89 -0.99	24.53 2.59 -0.01
GLOBE___DSASP 323697	21.17 -0.81 0.00	18.94 -0.83 0.00	18.15 -0.82 0.00	17.95 -0.83 0.00	18.30 -0.84 0.00	20.99 -0.83 0.00	25.49 -1.60 0.00	28.19 -2.19 0.00	28.30 -2.13 0.00	26.86 -3.02 0.00	26.64 -2.35 0.00	26.36 -2.39 0.00	26.03 -2.23 0.00	24.96 -2.26 0.00	23.86 -2.27 0.00	23.54 -2.33 0.00	25.25 -2.77 0.00	26.72 -3.40 0.00	27.06 -3.18 0.00	29.17 -2.88 0.00	29.09 -2.70 0.00	24.37 -2.56 0.00	21.33 -2.16 0.00	20.06 -1.86 0.00
GOETHSLN___LBMP 323567	22.75 0.77 0.00	20.53 0.75 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.58 0.76 0.00	28.25 1.16 0.00	32.20 1.82 0.00	32.22 1.80 0.00	31.76 1.88 0.00	30.64 1.65 0.00	30.49 1.75 0.00	30.07 1.81 0.00	29.02 1.80 0.00	27.94 1.80 0.00	27.73 1.86 0.00	29.99 1.96 0.00	32.26 2.14 0.00	32.48 2.24 0.00	34.68 2.63 0.00	34.34 2.54 0.00	28.73 1.80 0.00	25.14 1.64 0.00	23.33 1.40 0.00
GOLAH___69_KV_TB 1_2 80279	21.89 -0.09 0.00	19.56 -0.22 0.00	18.74 -0.23 0.00	18.49 -0.28 0.00	18.87 -0.27 0.00	21.64 -0.17 0.00	26.58 -0.51 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	28.48 -1.40 0.00	28.00 -0.99 0.00	27.68 -1.06 0.00	27.19 -1.07 0.00	26.13 -1.09 0.00	24.99 -1.15 0.00	24.70 -1.16 0.00	26.60 -1.43 0.00	28.34 -1.78 0.00	28.70 -1.54 0.00	30.80 -1.25 0.00	30.65 -1.14 0.00	25.69 -1.24 0.00	22.46 -1.03 0.00	21.03 -0.90 0.00



GOODYEAR_LAKE_HYD 323669	22.93 0.95 0.00	20.58 0.81 0.00	19.75 0.78 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.84 1.03 0.00	28.42 1.33 0.00	32.14 1.76 0.00	32.07 1.64 0.00	31.40 1.52 0.00	30.53 1.54 0.00	30.26 1.52 0.00	29.79 1.53 0.00	28.69 1.47 0.00	27.50 1.36 0.00	27.19 1.32 0.00	29.43 1.40 0.00	31.57 1.45 0.00	31.75 1.51 0.00	33.91 1.86 0.00	33.67 1.88 0.00	28.30 1.37 0.00	24.74 1.25 0.00	23.03 1.10 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	22.77 0.79 0.00	20.43 0.65 0.00	19.59 0.63 0.00	19.45 0.68 0.00	19.85 0.71 0.00	22.71 0.89 0.00	28.04 0.95 0.00	31.47 1.09 0.00	31.37 0.94 0.00	30.54 0.66 0.00	29.74 0.75 0.00	29.49 0.75 0.00	29.03 0.76 0.00	27.93 0.71 0.00	26.79 0.65 0.00	26.46 0.59 0.00	28.59 0.56 0.00	30.63 0.51 0.00	30.85 0.60 0.00	33.08 1.03 0.00	32.81 1.02 0.00	27.55 0.62 0.00	24.05 0.56 0.00	22.50 0.57 0.00
GOUDEY___7 23579	22.79 0.81 0.00	20.45 0.67 0.00	19.61 0.64 0.00	19.47 0.69 0.00	19.87 0.73 0.00	22.71 0.89 0.00	28.07 0.98 0.00	31.50 1.12 0.00	31.40 0.97 0.00	30.60 0.72 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.95 0.73 0.00	26.82 0.68 0.00	26.49 0.62 0.00	28.62 0.59 0.00	30.66 0.54 0.00	30.88 0.64 0.00	33.11 1.06 0.00	32.84 1.05 0.00	27.57 0.65 0.00	24.05 0.56 0.00	22.52 0.59 0.00
GOUDEY___8 23580	22.77 0.79 0.00	20.43 0.65 0.00	19.59 0.63 0.00	19.45 0.68 0.00	19.85 0.71 0.00	22.71 0.89 0.00	28.04 0.95 0.00	31.47 1.09 0.00	31.37 0.94 0.00	30.54 0.66 0.00	29.74 0.75 0.00	29.49 0.75 0.00	29.03 0.76 0.00	27.93 0.71 0.00	26.79 0.65 0.00	26.46 0.59 0.00	28.59 0.56 0.00	30.63 0.51 0.00	30.85 0.60 0.00	33.08 1.03 0.00	32.81 1.02 0.00	27.55 0.62 0.00	24.05 0.56 0.00	22.50 0.57 0.00
GOWANUS_GT1_1 24077	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_2 24078	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_3 24079	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_4 24080	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_5 24084	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_6 24111	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_7 24112	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT1_8 24113	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT2_1 24114	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_2 24115	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_3 24116	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00



GOWANUS_GT2_4 24117	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_5 24118	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_6 24119	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_7 24120	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT2_8 24121	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_1 24122	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_2 24123	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_3 24124	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_4 24125	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_5 24126	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_6 24127	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_7 24128	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT3_8 24129	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
GOWANUS_GT4_1 24130	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_2 24131	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00



GOWANUS_GT4_3 24132	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_4 24133	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_5 24134	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_6 24135	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_7 24136	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GOWANUS_GT4_8 24137	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GREENBSH_115KV_TB3 55895	22.44 0.46 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.26 0.49 0.00	19.64 0.50 0.00	22.34 0.52 0.00	27.74 0.65 0.00	31.38 1.00 0.00	31.22 0.79 0.00	30.60 0.72 0.00	29.69 0.70 0.00	29.43 0.69 0.00	28.97 0.71 0.00	27.90 0.68 0.00	26.82 0.68 0.00	26.54 0.67 0.00	28.84 0.81 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.24 1.19 0.00	32.97 1.18 0.00	27.73 0.81 0.00	24.24 0.75 0.00	22.65 0.72 0.00
GREENIDGE_115KV_TB5 80291	22.55 0.57 0.00	20.23 0.45 0.00	19.38 0.42 0.00	19.21 0.43 0.00	19.60 0.46 0.00	22.49 0.68 0.00	27.82 0.73 0.00	31.13 0.76 0.00	31.10 0.67 0.00	30.03 0.15 0.00	29.28 0.29 0.00	29.00 0.26 0.00	28.46 0.20 0.00	27.36 0.14 0.00	26.24 0.10 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.09 -0.03 0.00	30.39 0.15 0.00	32.47 0.42 0.00	32.21 0.41 0.00	26.95 0.03 0.00	23.47 -0.02 0.00	21.95 0.02 0.00
GREENIDGE___3 23582	22.55 0.57 0.00	20.23 0.45 0.00	19.38 0.42 0.00	19.21 0.43 0.00	19.60 0.46 0.00	22.49 0.68 0.00	27.82 0.73 0.00	31.13 0.76 0.00	31.10 0.67 0.00	30.03 0.15 0.00	29.28 0.29 0.00	29.00 0.26 0.00	28.46 0.20 0.00	27.36 0.14 0.00	26.24 0.10 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.09 -0.03 0.00	30.39 0.15 0.00	32.47 0.42 0.00	32.21 0.41 0.00	26.95 0.03 0.00	23.47 -0.02 0.00	21.95 0.02 0.00
GREENIDGE___4 23583	22.55 0.57 0.00	20.23 0.46 0.00	19.38 0.42 0.00	19.21 0.43 0.00	19.60 0.46 0.00	22.49 0.68 0.00	27.85 0.76 0.00	31.13 0.76 0.00	31.31 0.88 0.00	30.30 0.42 0.00	29.31 0.32 0.00	29.06 0.32 0.00	28.46 0.20 0.00	27.36 0.14 0.00	26.24 0.10 0.00	25.94 0.08 0.00	28.03 0.00 0.00	30.21 0.09 0.00	30.39 0.15 0.00	32.47 0.42 0.00	32.21 0.41 0.00	27.03 0.11 0.00	23.49 0.00 0.00	22.15 0.22 0.00
GREENLWN_69_KV_BK 3 55738	22.68 0.70 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.37 0.60 0.00	20.02 0.88 0.00	22.75 0.94 0.00	29.01 1.92 0.00	32.47 2.10 0.00	31.49 1.06 0.00	31.91 2.03 0.00	30.90 1.91 0.00	30.72 1.98 0.00	30.27 2.01 0.00	29.21 1.99 0.00	29.05 1.96 -0.95	29.63 1.94 -1.82	30.50 2.49 0.02	32.20 2.74 0.66	32.89 2.81 0.16	36.92 3.21 -1.66	34.55 3.24 0.48	30.64 2.40 -1.31	26.48 2.00 -0.99	23.81 1.89 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00
GRISSOM___SOLAR 323813	23.76 1.78 0.00	21.30 1.52 0.00	20.47 1.50 0.00	20.33 1.56 0.00	20.82 1.68 0.00	23.89 2.07 0.00	29.96 2.87 0.00	33.47 3.10 0.00	33.29 2.86 0.00	32.21 2.33 0.00	31.31 2.32 0.00	30.98 2.24 0.00	30.50 2.23 0.00	29.29 2.07 0.00	28.07 1.93 0.00	27.81 1.94 0.00	30.24 2.21 0.00	32.71 2.59 0.00	32.90 2.66 0.00	35.39 3.33 0.00	35.32 3.53 0.00	29.49 2.56 0.00	25.82 2.33 0.00	23.94 2.02 0.00
GROVEVILLE___HYD 323602	22.99 1.01 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.84 1.03 0.00	28.61 1.52 0.00	32.44 2.07 0.00	32.37 1.95 0.00	31.82 1.94 0.00	30.73 1.74 0.00	30.55 1.81 0.00	30.05 1.78 0.00	28.96 1.74 0.00	27.86 1.73 0.00	27.52 1.66 0.00	29.74 1.71 0.00	32.08 1.96 0.00	32.27 2.03 0.00	34.42 2.37 0.00	34.15 2.35 0.00	28.57 1.64 0.00	24.95 1.46 0.00	23.22 1.29 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00



HAMLTNNY_34_KV_TB 80303	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.68 -0.41 0.00	29.98 -0.39 0.00	30.06 -0.37 0.00	29.22 -0.66 0.00	28.47 -0.52 0.00	28.19 -0.55 0.00	27.73 -0.54 0.00	26.65 -0.57 0.00	25.56 -0.58 0.00	25.27 -0.59 0.00	27.33 -0.70 0.00	29.37 -0.75 0.00	29.64 -0.60 0.00	31.51 -0.54 0.00	31.25 -0.54 0.00	26.31 -0.62 0.00	22.95 -0.54 0.00	21.45 -0.48 0.00
HAMPSHIRE___PAPER_HYD 323593	21.48 -0.50 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.35 -0.46 0.00	26.52 -0.57 0.00	29.68 -0.70 0.00	29.57 -0.85 0.00	29.13 -0.75 0.00	28.27 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.22 -0.90 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.77 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.16 -0.77 0.00
HARDSCRABBLE_WT_PWR 323673	22.27 0.28 0.00	20.01 0.24 0.00	19.18 0.21 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.01 0.20 0.00	27.31 0.22 0.00	30.71 0.33 0.00	30.70 0.27 0.00	30.12 0.24 0.00	29.25 0.26 0.00	28.97 0.23 0.00	28.49 0.23 0.00	27.41 0.19 0.00	26.30 0.16 0.00	26.00 0.13 0.00	28.20 0.17 0.00	30.27 0.15 0.00	30.36 0.12 0.00	32.21 0.16 0.00	31.89 0.10 0.00	26.85 -0.08 0.00	23.37 -0.12 0.00	21.78 -0.15 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	22.77 0.79 0.00	20.49 0.71 0.00	19.61 0.64 0.00	19.47 0.69 0.00	19.87 0.73 0.00	22.60 0.79 0.00	28.23 1.14 0.00	32.01 1.64 0.00	31.95 1.52 0.00	31.46 1.58 0.00	30.41 1.42 0.00	30.24 1.49 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.60 1.46 0.00	27.29 1.42 0.00	29.54 1.51 0.00	31.81 1.69 0.00	31.96 1.72 0.00	34.14 2.08 0.00	33.83 2.03 0.00	28.35 1.43 0.00	24.78 1.29 0.00	23.05 1.12 0.00
HARSNRAD_115KV_TB1 81005	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.28 -0.81 0.00	29.07 -1.31 0.00	29.15 -1.28 0.00	27.67 -2.21 0.00	27.45 -1.54 0.00	27.13 -1.61 0.00	26.77 -1.50 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.21 -1.66 0.00	25.95 -2.07 0.00	27.50 -2.62 0.00	27.82 -2.42 0.00	30.00 -2.05 0.00	29.92 -1.88 0.00	25.01 -1.91 0.00	21.87 -1.62 0.00	20.57 -1.36 0.00
HARZA MOOSE___RIVER 24016	22.20 0.22 0.00	19.95 0.18 0.00	19.16 0.19 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.10 0.28 0.00	27.47 0.38 0.00	30.95 0.58 0.00	30.88 0.46 0.00	30.21 0.33 0.00	29.34 0.35 0.00	28.94 0.20 0.00	28.43 0.17 0.00	27.38 0.16 0.00	26.24 0.10 0.00	26.00 0.13 0.00	28.14 0.11 0.00	30.30 0.18 0.00	30.48 0.24 0.00	32.47 0.42 0.00	32.21 0.41 0.00	27.17 0.24 0.00	23.68 0.19 0.00	22.02 0.09 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	21.58 -0.40 0.00	19.42 -0.36 0.00	18.61 -0.36 0.00	18.36 -0.41 0.00	18.72 -0.42 0.00	21.36 -0.46 0.00	26.52 -0.57 0.00	29.77 -0.61 0.00	29.85 -0.58 0.00	29.07 -0.81 0.00	28.29 -0.70 0.00	28.05 -0.69 0.00	27.59 -0.68 0.00	26.51 -0.71 0.00	25.46 -0.68 0.00	25.14 -0.72 0.00	27.21 -0.81 0.00	29.22 -0.90 0.00	29.48 -0.76 0.00	31.35 -0.71 0.00	31.09 -0.70 0.00	26.17 -0.75 0.00	22.83 -0.66 0.00	21.36 -0.57 0.00
HELLGATE_13_KV_LD 55870	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.64 0.86 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.87 1.94 0.00	25.30 1.81 0.00	23.49 1.56 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.64 0.86 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.31 1.22 0.00	32.29 1.91 0.00	32.31 1.89 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.87 1.94 0.00	25.30 1.81 0.00	23.49 1.56 0.00
HEMPSTEAD____ 23647	22.77 0.79 0.00	20.51 0.73 0.00	19.59 0.63 0.00	19.47 0.70 0.00	20.04 0.90 0.00	22.77 0.96 0.00	28.77 1.68 0.00	32.62 2.25 0.00	32.43 2.01 0.00	31.76 1.88 0.00	31.06 2.06 -0.01	30.88 2.13 -0.01	30.42 2.15 -0.01	29.27 2.04 -0.01	29.10 2.01 -0.95	29.70 2.02 -1.82	30.23 2.19 -0.01	32.72 2.41 -0.19	33.89 2.48 -1.17	36.82 2.85 -1.91	34.70 2.89 -0.01	30.75 2.02 -1.80	26.39 1.90 -0.99	23.67 1.73 -0.01
HEWLETT_69_KV_BK3 55828	22.88 0.90 0.00	20.62 0.85 0.00	19.73 0.76 0.00	19.53 0.75 0.00	20.17 1.03 0.00	22.90 1.09 0.00	29.20 2.11 0.00	32.89 2.52 0.00	32.01 1.58 0.00	32.30 2.42 0.00	31.37 2.38 0.00	31.21 2.47 0.00	30.70 2.43 0.00	29.51 2.29 0.00	29.31 2.22 -0.95	29.94 2.25 -1.82	30.47 2.44 0.00	32.93 2.62 -0.19	34.10 2.69 -1.17	37.07 3.11 -1.91	34.97 3.18 0.00	31.07 2.34 -1.80	26.65 2.16 -0.99	23.99 2.06 0.00
HICKLING___1 23621	23.01 1.03 0.00	20.62 0.85 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.06 0.92 0.00	22.99 1.18 0.00	28.34 1.25 0.00	31.80 1.43 0.00	31.73 1.31 0.00	30.72 0.84 0.00	29.98 0.99 0.00	29.66 0.92 0.00	29.17 0.90 0.00	28.01 0.79 0.00	26.90 0.76 0.00	26.49 0.62 0.00	28.50 0.48 0.00	30.54 0.42 0.00	30.78 0.54 0.00	33.11 1.06 0.00	32.81 1.02 0.00	27.49 0.57 0.00	23.96 0.47 0.00	22.46 0.53 0.00
HICKLING___2 23622	23.01 1.03 0.00	20.62 0.85 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.06 0.92 0.00	22.99 1.18 0.00	28.34 1.25 0.00	31.80 1.43 0.00	31.73 1.31 0.00	30.72 0.84 0.00	29.98 0.99 0.00	29.66 0.92 0.00	29.17 0.90 0.00	28.01 0.79 0.00	26.90 0.76 0.00	26.49 0.62 0.00	28.50 0.48 0.00	30.54 0.42 0.00	30.78 0.54 0.00	33.11 1.06 0.00	32.81 1.02 0.00	27.49 0.57 0.00	23.96 0.47 0.00	22.46 0.53 0.00
HIGH FALLS___HY 23754	22.93 0.95 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.98 0.84 0.00	22.75 0.94 0.00	28.50 1.41 0.00	32.32 1.94 0.00	32.25 1.83 0.00	31.67 1.79 0.00	30.53 1.54 0.00	30.38 1.64 0.00	29.88 1.61 0.00	28.83 1.61 0.00	27.76 1.62 0.00	27.44 1.58 0.00	29.68 1.65 0.00	32.02 1.90 0.00	32.21 1.97 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.52 1.59 0.00	24.90 1.41 0.00	23.16 1.23 0.00
HILLBURN___GT 23639	22.77 0.79 0.00	20.48 0.71 0.00	19.59 0.63 0.00	19.47 0.70 0.00	19.87 0.73 0.00	22.60 0.78 0.00	28.15 1.06 0.00	32.01 1.64 0.00	32.19 1.76 0.00	31.46 1.58 0.00	30.41 1.42 0.00	30.21 1.46 0.00	29.76 1.50 0.00	28.69 1.47 0.00	27.63 1.49 0.00	27.31 1.45 0.00	29.60 1.57 0.00	31.90 1.78 0.00	32.02 1.78 0.00	34.23 2.18 0.00	33.92 2.13 0.00	28.38 1.45 0.00	24.83 1.34 0.00	23.09 1.16 0.00



HILLSIDE_115KV_TB1 80332	22.73 0.75 0.00	20.37 0.59 0.00	19.54 0.57 0.00	19.39 0.62 0.00	19.81 0.67 0.00	22.71 0.89 0.00	27.96 0.87 0.00	31.19 0.82 0.00	31.10 0.67 0.00	30.15 0.27 0.00	29.42 0.43 0.00	29.14 0.40 0.00	28.66 0.40 0.00	27.55 0.33 0.00	26.43 0.29 0.00	26.07 0.21 0.00	28.17 0.14 0.00	30.15 0.03 0.00	30.33 0.09 0.00	32.66 0.61 0.00	32.40 0.60 0.00	27.17 0.24 0.00	23.68 0.19 0.00	22.21 0.29 0.00
HISHELDN_WT_PWR 323625	21.94 -0.04 0.00	19.61 -0.16 0.00	18.78 -0.19 0.00	18.59 -0.19 0.00	18.95 -0.19 0.00	21.73 -0.09 0.00	26.57 -0.52 0.00	29.22 -1.15 0.00	29.54 -0.88 0.00	28.54 -1.34 0.00	27.63 -1.36 0.00	27.48 -1.26 0.00	26.91 -1.36 0.00	25.75 -1.47 0.00	24.60 -1.54 0.00	24.47 -1.40 0.00	26.06 -1.96 0.00	27.62 -2.50 0.00	27.82 -2.42 0.00	29.91 -2.15 0.00	29.79 -2.00 0.00	25.12 -1.80 0.00	21.78 -1.71 0.00	20.79 -1.14 0.00
HOLTSVILLE_IC_1 23690	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
HOLTSVILLE_IC_10 23699	22.99 1.01 0.00	20.76 0.99 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.34 1.21 0.00	23.12 1.31 0.00	29.37 2.28 0.00	33.35 2.98 0.00	32.68 2.25 0.00	32.00 2.12 0.00	31.46 2.46 -0.01	31.31 2.56 -0.01	30.90 2.63 -0.01	29.71 2.48 -0.01	29.52 2.43 -0.95	30.12 2.43 -1.82	30.85 2.69 -0.14	39.51 2.95 -6.43	44.29 3.05 -10.99	39.25 3.43 -3.77	38.86 3.50 -3.57	34.92 2.56 -5.43	26.83 2.35 -0.99	24.07 2.13 -0.01
HOLTSVILLE_IC_2 23691	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
HOLTSVILLE_IC_3 23692	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
HOLTSVILLE_IC_4 23693	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
HOLTSVILLE_IC_5 23694	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
HOLTSVILLE_IC_6 23695	22.99 1.01 0.00	20.76 0.99 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.34 1.21 0.00	23.12 1.31 0.00	29.37 2.28 0.00	33.35 2.98 0.00	32.68 2.25 0.00	32.00 2.12 0.00	31.46 2.46 -0.01	31.31 2.56 -0.01	30.90 2.63 -0.01	29.71 2.48 -0.01	29.52 2.43 -0.95	30.12 2.43 -1.82	30.85 2.69 -0.14	39.51 2.95 -6.43	44.29 3.05 -10.99	39.25 3.43 -3.77	38.86 3.50 -3.57	34.92 2.56 -5.43	26.83 2.35 -0.99	24.07 2.13 -0.01
HOLTSVILLE_IC_7 23696	22.99 1.01 0.00	20.76 0.99 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.34 1.21 0.00	23.12 1.31 0.00	29.37 2.28 0.00	33.35 2.98 0.00	32.68 2.25 0.00	32.00 2.12 0.00	31.46 2.46 -0.01	31.31 2.56 -0.01	30.90 2.63 -0.01	29.71 2.48 -0.01	29.52 2.43 -0.95	30.12 2.43 -1.82	30.85 2.69 -0.14	39.51 2.95 -6.43	44.29 3.05 -10.99	39.25 3.43 -3.77	38.86 3.50 -3.57	34.92 2.56 -5.43	26.83 2.35 -0.99	24.07 2.13 -0.01
HOLTSVILLE_IC_8 23697	22.99 1.01 0.00	20.76 0.99 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.34 1.21 0.00	23.12 1.31 0.00	29.37 2.28 0.00	33.35 2.98 0.00	32.68 2.25 0.00	32.00 2.12 0.00	31.46 2.46 -0.01	31.31 2.56 -0.01	30.90 2.63 -0.01	29.71 2.48 -0.01	29.52 2.43 -0.95	30.12 2.43 -1.82	30.85 2.69 -0.14	39.51 2.95 -6.43	44.29 3.05 -10.99	39.25 3.43 -3.77	38.86 3.50 -3.57	34.92 2.56 -5.43	26.83 2.35 -0.99	24.07 2.13 -0.01
HOLTSVILLE_IC_9 23698	22.99 1.01 0.00	20.76 0.99 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.34 1.21 0.00	23.12 1.31 0.00	29.37 2.28 0.00	33.35 2.98 0.00	32.68 2.25 0.00	32.00 2.12 0.00	31.46 2.46 -0.01	31.31 2.56 -0.01	30.90 2.63 -0.01	29.71 2.48 -0.01	29.52 2.43 -0.95	30.12 2.43 -1.82	30.85 2.69 -0.14	39.51 2.95 -6.43	44.29 3.05 -10.99	39.25 3.43 -3.77	38.86 3.50 -3.57	34.92 2.56 -5.43	26.83 2.35 -0.99	24.07 2.13 -0.01
HOMER_HL_115KV_TB2 355744	22.95 0.97 0.00	20.51 0.73 0.00	19.65 0.68 0.00	19.49 0.71 0.00	19.90 0.77 0.00	22.88 1.07 0.00	27.90 0.81 0.00	30.74 0.36 0.00	30.61 0.18 0.00	29.40 -0.48 0.00	28.99 0.00 0.00	28.68 -0.06 0.00	28.24 -0.03 0.00	27.08 -0.14 0.00	25.90 -0.24 0.00	25.56 -0.31 0.00	27.47 -0.56 0.00	29.19 -0.93 0.00	29.33 -0.91 0.00	31.86 -0.19 0.00	31.67 -0.13 0.00	26.52 -0.40 0.00	23.12 -0.38 0.00	21.82 -0.11 0.00
HOWARD_WT_PWR 323690	23.17 1.19 0.00	20.76 0.99 0.00	19.90 0.93 0.00	19.75 0.98 0.00	20.15 1.01 0.00	23.17 1.35 0.00	28.61 1.52 0.00	31.95 1.58 0.00	32.13 1.70 0.00	30.95 1.07 0.00	29.94 0.96 0.00	29.66 0.92 0.00	29.03 0.76 0.00	27.90 0.68 0.00	26.77 0.63 0.00	26.43 0.57 0.00	28.53 0.51 0.00	30.81 0.69 0.00	30.96 0.72 0.00	33.20 1.15 0.00	32.84 1.05 0.00	27.52 0.59 0.00	23.84 0.35 0.00	22.52 0.59 0.00
HQ_GEN_CEDARS 23644	21.85 -0.13 0.00	19.66 -0.12 0.00	18.85 -0.11 0.00	18.68 -0.09 0.00	19.02 -0.11 0.00	21.70 -0.11 0.00	26.90 -0.19 0.00	29.98 -0.39 0.00	30.15 -0.27 0.00	29.82 -0.06 0.00	28.84 -0.14 0.00	28.54 -0.20 0.00	28.04 -0.23 0.00	27.00 -0.22 0.00	25.90 -0.24 0.00	25.66 -0.21 0.00	27.77 -0.25 0.00	29.88 -0.24 0.00	29.82 -0.42 0.00	31.38 -0.67 0.00	31.06 -0.73 0.00	26.60 -0.32 0.00	23.16 -0.33 0.00	21.58 -0.35 0.00



HQ_GEN_CEDARS_PROXY 323590	21.85 -0.13 0.00	19.66 -0.12 0.00	18.85 -0.11 0.00	18.68 -0.09 0.00	19.02 -0.11 0.00	21.71 -0.11 0.00	26.93 -0.16 0.00	29.98 -0.40 0.00	29.91 -0.52 0.00	29.70 -0.18 0.00	28.85 -0.14 0.00	28.54 -0.20 0.00	28.04 -0.23 0.00	27.00 -0.22 0.00	25.90 -0.24 0.00	25.66 -0.21 0.00	27.77 -0.25 0.00	29.82 -0.30 0.00	29.82 -0.42 0.00	31.38 -0.67 0.00	30.01 -0.73 1.05	27.63 -0.35 -1.05	23.16 -0.33 0.00	21.56 -0.37 0.00
HQ_GEN_IMPORT 323601	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.72 -0.06 0.00	19.08 -0.06 0.00	21.75 -0.07 0.00	26.98 -0.11 0.00	30.04 -0.33 0.00	30.03 -0.40 0.00	29.76 -0.12 0.00	28.90 -0.09 0.00	28.63 -0.11 0.00	28.15 -0.11 0.00	27.11 -0.11 0.00	26.03 -0.10 0.00	25.76 -0.10 0.00	27.92 -0.11 0.00	29.97 -0.15 0.00	30.03 -0.21 0.00	31.60 -0.45 0.00	30.04 -0.45 1.31	28.07 -0.16 -1.31	23.33 -0.16 0.00	21.75 -0.18 0.00
HQ_GEN_WHEEL 23651	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.72 -0.06 0.00	19.08 -0.06 0.00	21.75 -0.07 0.00	26.98 -0.11 0.00	30.04 -0.33 0.00	30.03 -0.40 0.00	29.76 -0.12 0.00	28.90 -0.09 0.00	28.63 -0.11 0.00	28.15 -0.11 0.00	27.11 -0.11 0.00	26.03 -0.10 0.00	25.76 -0.10 0.00	27.92 -0.11 0.00	29.97 -0.15 0.00	30.03 -0.21 0.00	31.60 -0.45 0.00	30.04 -0.45 1.31	28.07 -0.16 -1.31	23.33 -0.16 0.00	21.75 -0.18 0.00
HUDSON_AVE_GT_3 23810	22.86 0.88 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.38 2.00 0.00	32.37 1.95 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.53 2.73 0.00	28.89 1.97 0.00	25.28 1.79 0.00	23.44 1.51 0.00
HUDSON_AVE_GT_4 23540	22.86 0.88 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.38 2.00 0.00	32.37 1.95 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.53 2.73 0.00	28.89 1.97 0.00	25.28 1.79 0.00	23.44 1.51 0.00
HUDSON_AVE_GT_5 23657	22.86 0.88 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.38 2.00 0.00	32.37 1.95 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.53 2.73 0.00	28.89 1.97 0.00	25.28 1.79 0.00	23.44 1.51 0.00
HUDSON_AVE_I0 24168	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.34 1.25 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.83 1.97 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.84 2.79 0.00	34.50 2.70 0.00	28.84 1.91 0.00	25.23 1.74 0.00	23.42 1.49 0.00
HUDSON___115KV_TB 4 355613	22.73 0.75 0.00	20.47 0.69 0.00	19.65 0.68 0.00	19.51 0.73 0.00	19.90 0.77 0.00	22.66 0.85 0.00	28.23 1.14 0.00	31.86 1.49 0.00	31.61 1.19 0.00	30.90 1.02 0.00	29.92 0.93 0.00	29.63 0.89 0.00	29.14 0.88 0.00	28.06 0.84 0.00	26.98 0.84 0.00	26.64 0.78 0.00	28.95 0.92 0.00	31.21 1.08 0.00	31.42 1.18 0.00	33.53 1.47 0.00	33.29 1.49 0.00	27.98 1.05 0.00	24.43 0.94 0.00	22.83 0.90 0.00
HUNTER MOUNT___DRP 323613	22.79 0.81 0.00	20.51 0.73 0.00	19.69 0.72 0.00	19.54 0.77 0.00	19.96 0.82 0.00	22.73 0.92 0.00	28.34 1.25 0.00	31.95 1.58 0.00	31.67 1.25 0.00	30.90 1.02 0.00	29.89 0.90 0.00	29.57 0.83 0.00	29.08 0.82 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.51 0.65 0.00	28.84 0.81 0.00	31.12 0.99 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.19 1.40 0.00	27.90 0.97 0.00	24.36 0.87 0.00	22.78 0.86 0.00
HUNTINGTON_RES_REC 323705	22.84 0.86 0.00	20.60 0.83 0.00	19.65 0.68 0.00	19.51 0.73 0.00	20.17 1.03 0.00	22.93 1.11 0.00	29.09 2.00 0.00	32.93 2.55 0.00	32.50 2.07 0.00	31.79 1.91 0.00	31.20 2.20 -0.01	31.05 2.30 -0.01	30.65 2.37 -0.01	29.52 2.29 -0.01	29.34 2.25 -0.95	29.93 2.25 -1.82	30.99 2.72 -0.25	45.10 3.01 -11.97	53.06 3.12 -19.70	40.99 3.53 -5.41	42.09 3.56 -6.73	38.10 2.53 -8.64	26.69 2.21 -0.99	23.98 2.04 -0.01
HUNTLEY___63 23557	21.87 -0.11 0.00	19.56 -0.22 0.00	18.72 -0.25 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.66 -0.15 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.33 -1.10 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.67 -1.46 0.00	24.34 -1.53 0.00	26.12 -1.91 0.00	27.65 -2.47 0.00	27.97 -2.27 0.00	30.19 -1.86 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.01 -1.48 0.00	20.68 -1.25 0.00
HUNTLEY___64 23558	21.87 -0.11 0.00	19.56 -0.22 0.00	18.72 -0.25 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.66 -0.15 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.33 -1.10 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.67 -1.46 0.00	24.34 -1.53 0.00	26.12 -1.91 0.00	27.65 -2.47 0.00	27.97 -2.27 0.00	30.19 -1.86 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.01 -1.48 0.00	20.68 -1.25 0.00
HUNTLEY___65 23559	21.87 -0.11 0.00	19.56 -0.22 0.00	18.72 -0.25 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.66 -0.15 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.33 -1.10 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.67 -1.46 0.00	24.34 -1.53 0.00	26.12 -1.91 0.00	27.65 -2.47 0.00	27.97 -2.27 0.00	30.19 -1.86 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.01 -1.48 0.00	20.68 -1.25 0.00
HUNTLEY___66 23560	21.87 -0.11 0.00	19.56 -0.22 0.00	18.72 -0.25 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.66 -0.15 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.33 -1.10 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.67 -1.46 0.00	24.34 -1.53 0.00	26.12 -1.91 0.00	27.65 -2.47 0.00	27.97 -2.27 0.00	30.19 -1.86 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.01 -1.48 0.00	20.68 -1.25 0.00
HUNTLEY___67 23561	21.83 -0.15 0.00	19.54 -0.24 0.00	18.70 -0.27 0.00	18.49 -0.28 0.00	18.87 -0.27 0.00	21.64 -0.17 0.00	26.36 -0.73 0.00	29.13 -1.25 0.00	29.21 -1.22 0.00	27.79 -2.09 0.00	27.54 -1.45 0.00	27.25 -1.49 0.00	26.88 -1.38 0.00	25.78 -1.44 0.00	24.62 -1.52 0.00	24.31 -1.55 0.00	26.07 -1.96 0.00	27.62 -2.50 0.00	27.94 -2.30 0.00	30.13 -1.92 0.00	30.04 -1.75 0.00	25.12 -1.80 0.00	21.96 -1.53 0.00	20.66 -1.27 0.00



HUNTLEY___68 23562	21.83 -0.15 0.00	19.54 -0.24 0.00	18.70 -0.27 0.00	18.49 -0.28 0.00	18.87 -0.27 0.00	21.64 -0.17 0.00	26.36 -0.73 0.00	29.13 -1.25 0.00	29.21 -1.22 0.00	27.79 -2.09 0.00	27.54 -1.45 0.00	27.25 -1.49 0.00	26.88 -1.38 0.00	25.78 -1.44 0.00	24.62 -1.52 0.00	24.31 -1.55 0.00	26.07 -1.96 0.00	27.62 -2.50 0.00	27.94 -2.30 0.00	30.13 -1.92 0.00	30.04 -1.75 0.00	25.12 -1.80 0.00	21.96 -1.53 0.00	20.66 -1.27 0.00
HYLAND___LFGE 323620	23.21 1.23 0.00	20.70 0.93 0.00	19.84 0.87 0.00	19.62 0.85 0.00	20.02 0.88 0.00	23.03 1.22 0.00	28.44 1.35 0.00	31.56 1.18 0.00	31.40 0.97 0.00	30.03 0.15 0.00	28.93 -0.06 0.00	28.71 -0.03 0.00	28.10 -0.17 0.00	26.95 -0.27 0.00	25.85 -0.29 0.00	25.74 -0.13 0.00	27.72 -0.31 0.00	30.09 -0.03 0.00	30.57 0.33 0.00	32.95 0.90 0.00	32.81 1.02 0.00	27.49 0.57 0.00	23.91 0.42 0.00	22.50 0.57 0.00
INDECK___CORINTH 23802	22.51 0.53 0.00	20.21 0.43 0.00	19.42 0.45 0.00	19.26 0.49 0.00	19.69 0.56 0.00	22.47 0.65 0.00	28.06 0.97 0.00	31.74 1.37 0.00	31.70 1.28 0.00	30.90 1.02 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.20 1.08 0.00	31.36 1.12 0.00	33.50 1.44 0.00	33.32 1.53 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.65 0.72 0.00
INDECK___ILION 23567	22.24 0.26 0.00	19.99 0.22 0.00	19.18 0.21 0.00	18.98 0.21 0.00	19.35 0.21 0.00	22.05 0.24 0.00	27.39 0.30 0.00	30.83 0.46 0.00	30.79 0.37 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.34 0.00	28.63 0.37 0.00	27.57 0.35 0.00	26.45 0.31 0.00	26.18 0.31 0.00	28.39 0.36 0.00	30.48 0.36 0.00	30.63 0.39 0.00	32.53 0.48 0.00	32.24 0.45 0.00	27.20 0.27 0.00	23.73 0.23 0.00	22.13 0.20 0.00
INDECK___OLEAN 23982	22.95 0.97 0.00	20.51 0.73 0.00	19.65 0.68 0.00	19.51 0.73 0.00	19.90 0.77 0.00	22.88 1.07 0.00	27.98 0.89 0.00	30.74 0.37 0.00	31.00 0.58 0.00	29.94 0.06 0.00	29.02 0.03 0.00	28.80 0.06 0.00	28.24 -0.03 0.00	27.08 -0.14 0.00	25.90 -0.24 0.00	25.66 -0.21 0.00	27.47 -0.56 0.00	29.28 -0.84 0.00	29.36 -0.88 0.00	31.86 -0.19 0.00	31.70 -0.10 0.00	26.68 -0.24 0.00	23.16 -0.33 0.00	22.30 0.37 0.00
INDECK___OSWEGO 23783	21.37 -0.62 0.00	19.22 -0.55 0.00	18.44 -0.53 0.00	18.17 -0.60 0.00	18.52 -0.61 0.00	21.14 -0.68 0.00	26.25 -0.84 0.00	29.40 -0.97 0.00	29.51 -0.91 0.00	28.83 -1.05 0.00	27.95 -1.04 0.00	27.71 -1.03 0.00	27.22 -1.05 0.00	26.18 -1.03 0.00	25.12 -1.02 0.00	24.86 -1.01 0.00	26.88 -1.15 0.00	28.95 -1.18 0.00	29.12 -1.12 0.00	30.96 -1.09 0.00	30.74 -1.05 0.00	25.96 -0.97 0.00	22.65 -0.84 0.00	21.21 -0.72 0.00
INDECK___YERKES 23781	21.89 -0.09 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.53 -0.24 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.55 -0.54 0.00	29.25 -1.12 0.00	29.57 -0.85 0.00	28.63 -1.25 0.00	27.69 -1.30 0.00	27.53 -1.21 0.00	26.99 -1.27 0.00	25.86 -1.36 0.00	24.70 -1.44 0.00	24.57 -1.29 0.00	26.15 -1.88 0.00	27.80 -2.32 0.00	28.00 -2.24 0.00	30.23 -1.83 0.00	30.14 -1.65 0.00	25.47 -1.45 0.00	22.11 -1.39 0.00	21.12 -0.81 0.00
INDIAN POINT_GT_1 24139	22.75 0.77 0.00	20.49 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.20 1.82 0.00	32.13 1.70 0.00	31.64 1.76 0.00	30.58 1.59 0.00	30.44 1.70 0.00	29.96 1.70 0.00	28.91 1.69 0.00	27.81 1.67 0.00	27.60 1.73 0.00	29.88 1.85 0.00	32.14 2.02 0.00	32.33 2.09 0.00	34.52 2.47 0.00	34.24 2.45 0.00	28.65 1.72 0.00	25.04 1.55 0.00	23.29 1.36 0.00
INDIAN POINT_GT_2 23659	22.75 0.77 0.00	20.49 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.20 1.82 0.00	32.13 1.70 0.00	31.64 1.76 0.00	30.58 1.59 0.00	30.44 1.70 0.00	29.96 1.70 0.00	28.91 1.69 0.00	27.81 1.67 0.00	27.60 1.73 0.00	29.88 1.85 0.00	32.14 2.02 0.00	32.33 2.09 0.00	34.52 2.47 0.00	34.24 2.45 0.00	28.65 1.72 0.00	25.04 1.55 0.00	23.29 1.36 0.00
INDIAN POINT_GT_3 24019	22.75 0.77 0.00	20.49 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.20 1.82 0.00	32.13 1.70 0.00	31.64 1.76 0.00	30.58 1.59 0.00	30.44 1.70 0.00	29.96 1.70 0.00	28.91 1.69 0.00	27.81 1.67 0.00	27.60 1.73 0.00	29.88 1.85 0.00	32.14 2.02 0.00	32.33 2.09 0.00	34.52 2.47 0.00	34.24 2.45 0.00	28.65 1.72 0.00	25.04 1.55 0.00	23.29 1.36 0.00
INDIAN POINT___2 23530	22.73 0.75 0.00	20.47 0.69 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.25 1.16 0.00	32.23 1.85 0.00	32.40 1.98 0.00	31.67 1.79 0.00	30.58 1.59 0.00	30.41 1.67 0.00	29.99 1.72 0.00	28.94 1.72 0.00	27.84 1.70 0.00	27.57 1.71 0.00	29.90 1.88 0.00	32.20 2.08 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.24 2.45 0.00	28.62 1.70 0.00	25.07 1.57 0.00	23.24 1.32 0.00
INDIAN POINT___3 23531	22.73 0.75 0.00	20.47 0.69 0.00	19.61 0.64 0.00	19.49 0.71 0.00	19.87 0.73 0.00	22.58 0.76 0.00	28.20 1.11 0.00	32.04 1.67 0.00	31.98 1.55 0.00	31.49 1.61 0.00	30.41 1.42 0.00	30.26 1.52 0.00	29.79 1.53 0.00	28.74 1.52 0.00	27.65 1.52 0.00	27.42 1.55 0.00	29.68 1.65 0.00	31.96 1.84 0.00	32.12 1.87 0.00	34.33 2.28 0.00	34.02 2.23 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.16 1.23 0.00
INGHAM_C_115KV_TB7 356103	22.35 0.37 0.00	20.09 0.32 0.00	19.25 0.28 0.00	19.06 0.28 0.00	19.39 0.25 0.00	22.12 0.31 0.00	27.44 0.35 0.00	30.86 0.49 0.00	30.79 0.37 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.34 0.00	28.60 0.34 0.00	27.55 0.33 0.00	26.43 0.29 0.00	26.15 0.28 0.00	28.34 0.31 0.00	30.42 0.30 0.00	30.57 0.33 0.00	32.44 0.38 0.00	32.14 0.35 0.00	27.06 0.13 0.00	23.59 0.09 0.00	21.97 0.04 0.00
IP CORINTH___1 23988	22.51 0.53 0.00	20.21 0.44 0.00	19.42 0.46 0.00	19.26 0.49 0.00	19.69 0.56 0.00	22.47 0.65 0.00	28.09 1.00 0.00	31.74 1.37 0.00	31.55 1.13 0.00	30.90 1.02 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.33 1.09 0.00	33.49 1.44 0.00	33.32 1.53 0.00	27.95 1.02 0.00	24.38 0.89 0.00	22.70 0.77 0.00
IP___TICONDEROGA 23804	23.15 1.16 0.00	20.72 0.95 0.00	19.93 0.97 0.00	19.81 1.03 0.00	20.27 1.13 0.00	23.19 1.37 0.00	29.09 2.00 0.00	32.86 2.49 0.00	32.53 2.10 0.00	31.73 1.85 0.00	30.96 1.97 0.00	30.64 1.90 0.00	30.19 1.92 0.00	28.91 1.69 0.00	27.71 1.57 0.00	27.31 1.45 0.00	29.71 1.68 0.00	31.93 1.81 0.00	32.05 1.81 0.00	34.46 2.40 0.00	34.37 2.58 0.00	28.73 1.80 0.00	25.09 1.60 0.00	23.31 1.38 0.00



ISLIP_RES_REC 323679	23.08 1.10 0.00	20.84 1.07 0.00	19.88 0.91 0.00	19.73 0.96 0.00	20.44 1.30 0.00	23.21 1.40 0.00	29.50 2.41 0.00	33.53 3.16 0.00	32.86 2.44 0.00	32.21 2.33 0.00	31.66 2.67 -0.01	31.54 2.79 -0.01	31.10 2.83 -0.01	29.90 2.67 -0.01	29.70 2.61 -0.95	30.32 2.64 -1.82	31.04 2.89 -0.12	39.03 3.16 -5.74	43.38 3.24 -9.91	39.27 3.65 -3.56	38.66 3.69 -3.18	34.67 2.72 -5.03	26.97 2.49 -0.99	24.20 2.26 -0.01
JAMAICA__27_KV_LOAD 355505	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.75 0.94 0.00	28.53 1.44 0.00	32.59 2.22 0.00	32.62 2.19 0.00	32.15 2.27 0.00	30.93 1.94 0.00	30.81 2.07 0.00	30.38 2.12 0.00	29.32 2.10 0.00	28.28 2.14 0.00	28.09 2.22 0.00	30.35 2.33 0.00	32.71 2.59 0.00	32.93 2.69 0.00	35.19 3.14 0.00	34.81 3.02 0.00	29.11 2.18 0.00	25.44 1.95 0.00	23.55 1.62 0.00
JANIS__SOLAR 323808	22.70 0.72 0.00	20.41 0.63 0.00	19.56 0.59 0.00	19.32 0.54 0.00	19.67 0.54 0.00	22.56 0.74 0.00	28.09 1.00 0.00	31.62 1.25 0.00	31.61 1.19 0.00	30.69 0.81 0.00	29.66 0.67 0.00	29.35 0.60 0.00	28.86 0.59 0.00	27.71 0.49 0.00	26.53 0.39 0.00	26.31 0.44 0.00	28.47 0.45 0.00	30.78 0.66 0.00	31.12 0.88 0.00	33.20 1.15 0.00	32.97 1.18 0.00	27.71 0.78 0.00	24.10 0.61 0.00	22.54 0.61 0.00
JARVIS____ 23743	22.07 0.09 0.00	19.87 0.10 0.00	19.06 0.10 0.00	18.87 0.09 0.00	19.23 0.10 0.00	21.92 0.11 0.00	27.25 0.16 0.00	30.65 0.27 0.00	30.70 0.27 0.00	30.09 0.21 0.00	29.16 0.17 0.00	28.94 0.20 0.00	28.46 0.20 0.00	27.41 0.19 0.00	26.32 0.18 0.00	26.05 0.18 0.00	28.25 0.22 0.00	30.36 0.24 0.00	30.48 0.24 0.00	32.41 0.35 0.00	32.11 0.32 0.00	27.12 0.19 0.00	23.68 0.19 0.00	22.08 0.15 0.00
JENNISON__1 23625	23.45 1.47 0.00	21.04 1.27 0.00	20.18 1.21 0.00	20.03 1.26 0.00	20.38 1.24 0.00	23.38 1.57 0.00	29.01 1.92 0.00	32.89 2.52 0.00	32.80 2.37 0.00	31.94 2.06 0.00	31.11 2.12 0.00	30.78 2.04 0.00	30.30 2.04 0.00	29.12 1.91 0.00	27.84 1.70 0.00	27.55 1.68 0.00	29.79 1.77 0.00	31.96 1.84 0.00	32.21 1.97 0.00	34.49 2.44 0.00	34.24 2.45 0.00	28.70 1.78 0.00	25.02 1.53 0.00	23.29 1.36 0.00
JENNISON__2 23626	23.45 1.47 0.00	21.04 1.27 0.00	20.18 1.21 0.00	20.03 1.26 0.00	20.38 1.24 0.00	23.38 1.57 0.00	29.01 1.92 0.00	32.89 2.52 0.00	32.80 2.37 0.00	31.94 2.06 0.00	31.11 2.12 0.00	30.78 2.04 0.00	30.30 2.04 0.00	29.12 1.91 0.00	27.84 1.70 0.00	27.55 1.68 0.00	29.79 1.77 0.00	31.96 1.84 0.00	32.21 1.97 0.00	34.49 2.44 0.00	34.24 2.45 0.00	28.70 1.78 0.00	25.02 1.53 0.00	23.29 1.36 0.00
JERICHO_RISE_WT_PWR 323719	22.18 0.20 0.00	19.93 0.16 0.00	19.14 0.17 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.03 0.22 0.00	27.09 0.00 0.00	30.13 -0.24 0.00	30.06 -0.36 0.00	30.18 0.30 0.00	29.16 0.17 0.00	28.74 0.00 0.00	28.21 -0.06 0.00	27.14 -0.08 0.00	26.06 -0.08 0.00	25.81 -0.05 0.00	27.94 -0.08 0.00	30.06 -0.06 0.00	30.03 -0.21 0.00	31.54 -0.51 0.00	31.09 -0.70 0.00	26.55 -0.38 0.00	23.02 -0.47 0.00	21.40 -0.53 0.00
KATONAH__115KV_46KV_TB4 355592	22.86 0.88 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.94 0.80 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.29 1.91 0.00	32.19 1.76 0.00	31.70 1.82 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.05 1.78 0.00	28.96 1.74 0.00	27.86 1.73 0.00	27.65 1.78 0.00	29.93 1.91 0.00	32.23 2.11 0.00	32.39 2.15 0.00	34.58 2.53 0.00	34.30 2.51 0.00	28.70 1.78 0.00	25.07 1.57 0.00	23.31 1.38 0.00
KCE_NY_1 323755	22.70 0.72 0.00	20.41 0.63 0.00	19.59 0.63 0.00	19.45 0.67 0.00	19.85 0.71 0.00	22.64 0.83 0.00	28.17 1.08 0.00	31.86 1.49 0.00	31.83 1.40 0.00	31.04 1.16 0.00	30.15 1.16 0.00	29.86 1.12 0.00	29.40 1.13 0.00	28.28 1.06 0.00	27.16 1.02 0.00	26.85 0.98 0.00	29.20 1.18 0.00	31.42 1.29 0.00	31.57 1.33 0.00	33.69 1.63 0.00	33.45 1.65 0.00	28.08 1.16 0.00	24.52 1.03 0.00	22.83 0.90 0.00
KCE_NY_6_ESR 323823	22.20 0.22 0.00	19.87 0.10 0.00	19.02 0.06 0.00	18.83 0.06 0.00	19.20 0.06 0.00	22.03 0.22 0.00	26.98 -0.11 0.00	29.68 -0.70 0.00	30.00 -0.43 0.00	29.01 -0.87 0.00	28.09 -0.90 0.00	27.94 -0.80 0.00	27.36 -0.91 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.91 -0.96 0.00	26.51 -1.51 0.00	28.19 -1.93 0.00	28.39 -1.85 0.00	30.64 -1.41 0.00	30.52 -1.27 0.00	25.77 -1.16 0.00	22.36 -1.13 0.00	21.38 -0.55 0.00
KEDC_PORT_JEFF_GT2 24210	22.97 0.99 0.00	20.74 0.97 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.32 1.19 0.00	23.10 1.29 0.00	29.31 2.22 0.00	33.29 2.92 0.00	32.56 2.13 0.00	31.88 2.00 0.00	31.34 2.35 -0.01	31.19 2.44 -0.01	30.87 2.60 -0.01	29.68 2.45 -0.01	29.49 2.40 -0.95	30.12 2.43 -1.82	30.87 2.69 -0.15	40.23 2.95 -7.16	45.42 3.05 -12.13	39.47 3.43 -3.98	39.28 3.50 -3.99	35.34 2.56 -5.85	26.83 2.35 -0.99	24.04 2.11 -0.01
KEDC_PORT_JEFF_GT3 24211	22.97 0.99 0.00	20.74 0.97 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.32 1.19 0.00	23.10 1.29 0.00	29.31 2.22 0.00	33.29 2.92 0.00	32.56 2.13 0.00	31.88 2.00 0.00	31.34 2.35 -0.01	31.19 2.44 -0.01	30.87 2.60 -0.01	29.68 2.45 -0.01	29.49 2.40 -0.95	30.12 2.43 -1.82	30.87 2.69 -0.15	40.23 2.95 -7.16	45.42 3.05 -12.13	39.47 3.43 -3.98	39.28 3.50 -3.99	35.34 2.56 -5.85	26.83 2.35 -0.99	24.04 2.11 -0.01
KEDC_GLWD_GT4 24219	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.11 0.98 0.00	22.86 1.05 0.00	28.69 1.60 0.00	32.62 2.25 0.00	32.68 2.25 0.00	31.97 2.09 0.00	31.09 2.09 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.35 2.12 -0.01	29.18 2.09 -0.95	29.78 2.09 -1.82	30.34 2.30 -0.01	32.84 2.53 -0.19	33.98 2.57 -1.17	36.95 2.98 -1.91	34.76 2.96 -0.01	30.83 2.10 -1.80	26.41 1.93 -0.99	23.63 1.69 -0.01
KEDC_GLWD_GT5 24220	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.11 0.98 0.00	22.86 1.05 0.00	28.69 1.60 0.00	32.62 2.25 0.00	32.68 2.25 0.00	31.97 2.09 0.00	31.09 2.09 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.35 2.12 -0.01	29.18 2.09 -0.95	29.78 2.09 -1.82	30.34 2.30 -0.01	32.84 2.53 -0.19	33.98 2.57 -1.17	36.95 2.98 -1.91	34.76 2.96 -0.01	30.83 2.10 -1.80	26.41 1.93 -0.99	23.63 1.69 -0.01
KENSICO____ 23655	22.79 0.81 0.00	20.53 0.75 0.00	19.69 0.72 0.00	19.56 0.79 0.00	19.92 0.78 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.23 1.85 0.00	32.16 1.73 0.00	31.67 1.79 0.00	30.61 1.62 0.00	30.46 1.72 0.00	29.99 1.72 0.00	28.93 1.71 0.00	27.84 1.70 0.00	27.60 1.73 0.00	29.90 1.88 0.00	32.17 2.05 0.00	32.36 2.12 0.00	34.55 2.50 0.00	34.27 2.48 0.00	28.68 1.75 0.00	25.07 1.57 0.00	23.31 1.38 0.00



KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.97 0.99 0.00	20.64 0.87 0.00	19.75 0.78 0.00	19.62 0.84 0.00	20.02 0.88 0.00	22.80 0.98 0.00	28.55 1.46 0.00	32.35 1.97 0.00	32.25 1.83 0.00	31.67 1.79 0.00	30.53 1.54 0.00	30.38 1.64 0.00	29.85 1.58 0.00	28.80 1.58 0.00	27.73 1.59 0.00	27.42 1.55 0.00	29.65 1.63 0.00	32.02 1.90 0.00	32.21 1.97 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.52 1.59 0.00	24.90 1.41 0.00	23.18 1.25 0.00
KIAC_JFK_GT1 23816	22.84 0.86 0.00	20.56 0.79 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.69 0.87 0.00	28.44 1.35 0.00	32.47 2.10 0.00	32.53 2.10 0.00	32.06 2.18 0.00	30.85 1.86 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.23 2.01 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.27 2.24 0.00	32.62 2.50 0.00	32.81 2.57 0.00	35.07 3.01 0.00	34.72 2.92 0.00	29.03 2.10 0.00	25.37 1.88 0.00	23.49 1.56 0.00
KIAC_JFK_GT2 23817	22.84 0.86 0.00	20.56 0.79 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.69 0.87 0.00	28.44 1.35 0.00	32.47 2.10 0.00	32.53 2.10 0.00	32.06 2.18 0.00	30.85 1.86 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.23 2.01 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.27 2.24 0.00	32.62 2.50 0.00	32.81 2.57 0.00	35.07 3.01 0.00	34.72 2.92 0.00	29.03 2.10 0.00	25.37 1.88 0.00	23.49 1.56 0.00
KIAC_JFK____ 323774	22.84 0.86 0.00	20.57 0.79 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.47 2.09 0.00	32.80 2.37 0.00	32.06 2.18 0.00	30.85 1.86 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.23 2.01 0.00	28.20 2.06 0.00	27.96 2.09 0.00	30.27 2.24 0.00	32.62 2.50 0.00	32.81 2.57 0.00	35.06 3.01 0.00	34.69 2.89 0.00	28.95 2.02 0.00	25.35 1.86 0.00	23.40 1.47 0.00
KINTIGH____ 23543	21.50 -0.48 0.00	19.24 -0.53 0.00	18.44 -0.53 0.00	18.23 -0.54 0.00	18.58 -0.56 0.00	21.31 -0.50 0.00	26.03 -1.06 0.00	28.89 -1.49 0.00	28.97 -1.46 0.00	27.67 -2.21 0.00	27.34 -1.65 0.00	27.04 -1.70 0.00	26.65 -1.61 0.00	25.59 -1.63 0.00	24.47 -1.67 0.00	24.18 -1.68 0.00	25.98 -2.05 0.00	27.59 -2.53 0.00	27.91 -2.33 0.00	30.00 -2.05 0.00	29.89 -1.91 0.00	25.04 -1.88 0.00	21.89 -1.60 0.00	20.55 -1.38 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.60 0.79 0.00	27.58 0.49 0.00	30.77 0.39 0.00	30.85 0.43 0.00	31.08 1.20 0.00	29.86 0.87 0.00	29.34 0.60 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.56 0.42 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.75 0.63 0.00	30.60 0.36 0.00	32.18 0.13 0.00	31.60 -0.19 0.00	26.87 -0.05 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
LACHUTE____HYDRO 323717	23.14 1.16 0.00	20.72 0.95 0.00	19.93 0.97 0.00	19.81 1.03 0.00	20.27 1.13 0.00	23.19 1.38 0.00	29.07 1.98 0.00	32.86 2.49 0.00	32.68 2.25 0.00	31.76 1.88 0.00	30.96 1.97 0.00	30.64 1.90 0.00	30.19 1.92 0.00	28.91 1.69 0.00	27.71 1.57 0.00	27.31 1.45 0.00	29.71 1.68 0.00	31.96 1.84 0.00	32.09 1.84 0.00	34.46 2.41 0.00	34.37 2.57 0.00	28.70 1.78 0.00	25.09 1.60 0.00	23.27 1.34 0.00
LAWRNCAY_115KV_TB1 80681	21.41 -0.57 0.00	19.26 -0.51 0.00	18.47 -0.49 0.00	18.30 -0.47 0.00	18.64 -0.50 0.00	21.29 -0.52 0.00	26.41 -0.68 0.00	29.46 -0.91 0.00	29.60 -0.82 0.00	29.31 -0.57 0.00	28.35 -0.64 0.00	28.02 -0.72 0.00	27.50 -0.76 0.00	26.48 -0.73 0.00	25.41 -0.73 0.00	25.17 -0.70 0.00	27.24 -0.78 0.00	29.34 -0.78 0.00	29.27 -0.97 0.00	30.80 -1.25 0.00	30.46 -1.34 0.00	26.09 -0.83 0.00	22.69 -0.80 0.00	21.12 -0.81 0.00
LEDERLE____ 23769	22.82 0.84 0.00	20.53 0.75 0.00	19.65 0.68 0.00	19.53 0.75 0.00	19.90 0.77 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.10 1.73 0.00	32.04 1.61 0.00	31.55 1.67 0.00	30.50 1.51 0.00	30.35 1.61 0.00	29.88 1.61 0.00	28.80 1.58 0.00	27.73 1.59 0.00	27.44 1.58 0.00	29.71 1.68 0.00	31.99 1.87 0.00	32.12 1.87 0.00	34.33 2.28 0.00	34.02 2.23 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.16 1.23 0.00
LIGHTHSE_115KV_TB6 355974	21.48 -0.51 0.00	19.30 -0.47 0.00	18.53 -0.44 0.00	18.29 -0.49 0.00	18.64 -0.50 0.00	21.27 -0.55 0.00	26.39 -0.70 0.00	29.64 -0.73 0.00	29.67 -0.76 0.00	28.86 -1.02 0.00	28.09 -0.90 0.00	27.76 -0.98 0.00	27.25 -1.02 0.00	26.24 -0.98 0.00	25.17 -0.97 0.00	24.93 -0.93 0.00	26.96 -1.07 0.00	29.04 -1.08 0.00	29.30 -0.94 0.00	31.22 -0.83 0.00	31.00 -0.79 0.00	26.09 -0.83 0.00	22.83 -0.66 0.00	21.29 -0.64 0.00
LINDEN COGEN____ 23786	22.73 0.75 0.00	20.51 0.73 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.58 0.76 0.00	28.17 1.08 0.00	32.20 1.82 0.00	32.47 2.04 0.00	31.76 1.88 0.00	30.61 1.62 0.00	30.46 1.72 0.00	30.05 1.78 0.00	28.99 1.77 0.00	27.92 1.78 0.00	27.68 1.81 0.00	29.99 1.96 0.00	32.26 2.14 0.00	32.45 2.21 0.00	34.65 2.60 0.00	34.30 2.51 0.00	28.65 1.72 0.00	25.11 1.62 0.00	23.24 1.32 0.00
LINDHRST_69_KV_BK1 356055	23.08 1.10 0.00	20.80 1.03 0.00	19.92 0.95 0.00	19.69 0.92 0.00	20.38 1.24 0.00	23.14 1.33 0.00	29.55 2.47 0.00	33.32 2.95 0.00	32.28 1.86 0.00	32.63 2.75 0.00	31.71 2.73 0.00	31.53 2.79 0.00	31.03 2.77 0.00	29.83 2.61 0.00	29.63 2.54 -0.95	30.27 2.59 -1.82	30.75 2.72 -0.01	33.60 2.95 -0.53	35.03 3.08 -1.71	37.59 3.53 -2.01	35.55 3.56 -0.20	31.57 2.64 -2.00	26.95 2.47 -0.99	24.23 2.30 0.00
LIPA_MISC_IPP 23656	22.86 0.88 0.00	20.66 0.89 0.00	19.78 0.82 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.37 2.28 0.00	33.23 2.86 0.00	31.70 1.28 0.00	32.12 2.24 0.00	31.22 2.23 0.00	31.07 2.33 0.00	30.58 2.32 0.00	29.42 2.20 0.00	29.26 2.17 -0.95	29.91 2.22 -1.82	30.68 2.52 -0.13	39.51 2.71 -6.68	44.46 2.84 -11.38	39.04 3.14 -3.84	38.74 3.24 -3.70	34.98 2.48 -5.57	26.67 2.18 -0.99	23.88 1.95 0.00
LISF____SOLAR 323691	22.88 0.90 0.00	20.70 0.93 0.00	19.73 0.76 0.00	19.58 0.81 0.00	20.29 1.15 0.00	23.03 1.22 0.00	29.26 2.17 0.00	33.26 2.89 0.00	32.40 1.98 0.00	31.73 1.85 0.00	31.20 2.20 -0.01	31.08 2.33 -0.01	30.62 2.34 -0.01	29.46 2.23 -0.01	29.29 2.20 -0.95	29.88 2.20 -1.82	30.72 2.55 -0.14	39.55 2.80 -6.63	44.41 2.87 -11.30	39.08 3.20 -3.83	38.82 3.34 -3.69	34.95 2.48 -5.54	26.67 2.19 -0.99	23.87 1.93 -0.01
LITTLE FALLS____HYD 24013	22.35 0.37 0.00	20.09 0.32 0.00	19.25 0.28 0.00	19.06 0.28 0.00	19.39 0.25 0.00	22.12 0.31 0.00	27.44 0.35 0.00	30.86 0.49 0.00	30.79 0.37 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.34 0.00	28.60 0.34 0.00	27.55 0.33 0.00	26.43 0.29 0.00	26.15 0.28 0.00	28.34 0.31 0.00	30.42 0.30 0.00	30.57 0.33 0.00	32.44 0.38 0.00	32.14 0.35 0.00	27.06 0.13 0.00	23.59 0.09 0.00	21.97 0.04 0.00



LITTLRIV_115KV_TB1 356100	21.58 -0.40 0.00	19.40 -0.38 0.00	18.63 -0.34 0.00	18.47 -0.30 0.00	18.81 -0.33 0.00	21.51 -0.31 0.00	26.71 -0.38 0.00	29.86 -0.52 0.00	29.97 -0.46 0.00	29.67 -0.21 0.00	28.73 -0.26 0.00	28.37 -0.37 0.00	27.84 -0.42 0.00	26.81 -0.41 0.00	25.72 -0.42 0.00	25.45 -0.41 0.00	27.52 -0.50 0.00	29.64 -0.48 0.00	29.57 -0.67 0.00	31.12 -0.93 0.00	30.84 -0.95 0.00	26.39 -0.54 0.00	22.95 -0.54 0.00	21.31 -0.61 0.00
LI_NEWBRDGE___DRP 323616	22.64 0.66 0.00	20.43 0.65 0.00	19.56 0.59 0.00	19.36 0.58 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.93 1.84 0.00	32.59 2.22 0.00	31.64 1.22 0.00	31.94 2.06 0.00	31.02 2.03 0.00	30.84 2.10 0.00	30.36 2.09 0.00	29.18 1.96 0.00	29.00 1.91 -0.95	29.63 1.94 -1.82	30.16 2.13 0.00	32.60 2.29 -0.19	33.80 2.39 -1.17	36.72 2.76 -1.91	34.62 2.83 0.00	30.75 2.02 -1.80	26.36 1.88 -0.99	23.73 1.80 0.00
LOCKPORT_115KV_TB60_63_64 80432	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.30 -0.79 0.00	29.10 -1.28 0.00	29.18 -1.25 0.00	27.70 -2.18 0.00	27.48 -1.51 0.00	27.16 -1.58 0.00	26.80 -1.47 0.00	25.67 -1.55 0.00	24.54 -1.59 0.00	24.21 -1.66 0.00	25.98 -2.05 0.00	27.53 -2.59 0.00	27.88 -2.36 0.00	30.03 -2.02 0.00	29.95 -1.84 0.00	25.04 -1.88 0.00	21.92 -1.57 0.00	20.59 -1.34 0.00
LOCKPORT___CC1 323769	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.39 -0.70 0.00	29.07 -1.31 0.00	29.36 -1.07 0.00	28.42 -1.46 0.00	27.48 -1.51 0.00	27.33 -1.41 0.00	26.77 -1.50 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.42 -1.45 0.00	25.95 -2.07 0.00	27.59 -2.53 0.00	27.82 -2.42 0.00	30.00 -2.05 0.00	29.92 -1.88 0.00	25.28 -1.64 0.00	21.96 -1.53 0.00	20.96 -0.96 0.00
LOCKPORT___CC2 323770	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.39 -0.70 0.00	29.07 -1.31 0.00	29.36 -1.07 0.00	28.42 -1.46 0.00	27.48 -1.51 0.00	27.33 -1.41 0.00	26.77 -1.50 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.42 -1.45 0.00	25.95 -2.07 0.00	27.59 -2.53 0.00	27.82 -2.42 0.00	30.00 -2.05 0.00	29.92 -1.88 0.00	25.28 -1.64 0.00	21.96 -1.53 0.00	20.96 -0.96 0.00
LOCKPORT___CC3 323771	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.39 -0.70 0.00	29.07 -1.31 0.00	29.36 -1.07 0.00	28.42 -1.46 0.00	27.48 -1.51 0.00	27.33 -1.41 0.00	26.77 -1.50 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.42 -1.45 0.00	25.95 -2.07 0.00	27.59 -2.53 0.00	27.82 -2.42 0.00	30.00 -2.05 0.00	29.92 -1.88 0.00	25.28 -1.64 0.00	21.96 -1.53 0.00	20.96 -0.96 0.00
LONG_LAKE_PHOENIX 24014	21.45 -0.53 0.00	19.30 -0.47 0.00	18.49 -0.47 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.23 -0.59 0.00	26.36 -0.73 0.00	29.55 -0.82 0.00	29.64 -0.79 0.00	28.86 -1.02 0.00	28.09 -0.90 0.00	27.85 -0.89 0.00	27.36 -0.90 0.00	26.35 -0.87 0.00	25.28 -0.86 0.00	24.96 -0.91 0.00	27.02 -1.01 0.00	29.04 -1.08 0.00	29.30 -0.94 0.00	31.16 -0.90 0.00	30.90 -0.89 0.00	26.04 -0.89 0.00	22.72 -0.78 0.00	21.25 -0.68 0.00
LOVETT___3 23632	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.21 1.47 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.60 1.46 0.00	27.34 1.47 0.00	29.60 1.57 0.00	31.84 1.72 0.00	31.99 1.75 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00
LOVETT___4 23642	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.21 1.47 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.60 1.46 0.00	27.34 1.47 0.00	29.60 1.57 0.00	31.84 1.72 0.00	31.99 1.75 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00
LOVETT___5 23593	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.21 1.47 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.60 1.46 0.00	27.34 1.47 0.00	29.60 1.57 0.00	31.84 1.72 0.00	31.99 1.75 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00
LOWER RAQUET___HYD 24057	21.28 -0.70 0.00	19.12 -0.65 0.00	18.34 -0.63 0.00	18.19 -0.58 0.00	18.52 -0.61 0.00	21.16 -0.65 0.00	26.25 -0.84 0.00	29.28 -1.09 0.00	29.18 -1.25 0.00	29.01 -0.87 0.00	28.18 -0.81 0.00	27.82 -0.92 0.00	27.30 -0.96 0.00	26.29 -0.93 0.00	25.22 -0.92 0.00	24.99 -0.88 0.00	27.07 -0.95 0.00	29.10 -1.02 0.00	29.09 -1.15 0.00	30.61 -1.44 0.00	30.27 -1.53 0.00	25.90 -1.02 0.00	22.55 -0.94 0.00	20.92 -1.01 0.00
LOWER___HUDSON 24059	22.46 0.48 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.40 0.59 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.95 0.92 0.00	31.17 1.05 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.16 1.37 0.00	27.84 0.92 0.00	24.31 0.82 0.00	22.65 0.72 0.00
LOWVILLE_115KV_TB2 356335	22.05 0.07 0.00	19.79 0.02 0.00	19.01 0.04 0.00	18.83 0.06 0.00	19.16 0.02 0.00	21.94 0.13 0.00	27.28 0.19 0.00	30.62 0.24 0.00	30.52 0.09 0.00	29.82 -0.06 0.00	28.90 -0.09 0.00	28.48 -0.26 0.00	27.93 -0.34 0.00	26.89 -0.33 0.00	25.80 -0.34 0.00	25.56 -0.31 0.00	27.66 -0.36 0.00	29.85 -0.27 0.00	30.03 -0.21 0.00	31.99 -0.06 0.00	31.76 -0.03 0.00	26.82 -0.11 0.00	23.35 -0.14 0.00	21.69 -0.24 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	22.68 0.70 0.00	20.39 0.61 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.85 0.71 0.00	22.62 0.81 0.00	28.17 1.08 0.00	31.86 1.49 0.00	31.67 1.25 0.00	31.02 1.14 0.00	30.15 1.16 0.00	29.86 1.12 0.00	29.40 1.13 0.00	28.28 1.06 0.00	27.16 1.02 0.00	26.85 0.98 0.00	29.18 1.15 0.00	31.39 1.27 0.00	31.54 1.30 0.00	33.66 1.60 0.00	33.45 1.65 0.00	28.08 1.16 0.00	24.52 1.03 0.00	22.87 0.94 0.00
LUTHERNY_35_KV_BK2 355980	22.71 0.73 0.00	20.41 0.63 0.00	19.59 0.63 0.00	19.45 0.68 0.00	19.85 0.71 0.00	22.64 0.83 0.00	28.20 1.11 0.00	31.86 1.49 0.00	31.70 1.28 0.00	31.05 1.17 0.00	30.15 1.16 0.00	29.86 1.12 0.00	29.40 1.13 0.00	28.28 1.06 0.00	27.16 1.02 0.00	26.85 0.98 0.00	29.20 1.18 0.00	31.39 1.27 0.00	31.54 1.30 0.00	33.69 1.63 0.00	33.45 1.65 0.00	28.11 1.18 0.00	24.55 1.06 0.00	22.87 0.94 0.00



LWR___OSWEGATCHIE_HYD 23850	21.48 -0.51 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	29.19 -0.69 0.00	28.26 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.25 -0.87 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.78 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.18 -0.75 0.00
LYONS_FALL_HYD 23570	22.20 0.22 0.00	19.95 0.18 0.00	19.16 0.19 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.10 0.28 0.00	27.52 0.43 0.00	30.95 0.58 0.00	30.91 0.49 0.00	30.24 0.36 0.00	29.34 0.35 0.00	28.97 0.23 0.00	28.44 0.17 0.00	27.38 0.16 0.00	26.24 0.10 0.00	26.00 0.13 0.00	28.14 0.11 0.00	30.33 0.21 0.00	30.48 0.24 0.00	32.47 0.42 0.00	32.21 0.41 0.00	27.17 0.24 0.00	23.68 0.19 0.00	22.02 0.09 0.00
MADISON___COUNTY_LFGE 323628	22.51 0.53 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.21 0.43 0.00	19.56 0.42 0.00	22.38 0.57 0.00	27.82 0.73 0.00	31.47 1.09 0.00	31.46 1.03 0.00	30.78 0.90 0.00	29.95 0.96 0.00	29.60 0.86 0.00	29.14 0.88 0.00	28.04 0.82 0.00	26.84 0.71 0.00	26.54 0.67 0.00	28.76 0.73 0.00	30.90 0.78 0.00	31.15 0.91 0.00	33.14 1.09 0.00	32.87 1.08 0.00	27.68 0.75 0.00	24.13 0.63 0.00	22.48 0.55 0.00
MALONE___115KV_TB1 356076	22.16 0.18 0.00	19.91 0.14 0.00	19.10 0.13 0.00	18.94 0.17 0.00	19.29 0.15 0.00	22.03 0.22 0.00	27.17 0.08 0.00	30.28 -0.09 0.00	30.43 0.00 0.00	30.33 0.45 0.00	29.22 0.23 0.00	28.80 0.06 0.00	28.24 -0.03 0.00	27.16 -0.05 0.00	26.09 -0.05 0.00	25.87 0.00 0.00	28.00 -0.03 0.00	30.18 0.06 0.00	30.06 -0.18 0.00	31.60 -0.45 0.00	31.16 -0.64 0.00	26.58 -0.35 0.00	23.07 -0.42 0.00	21.42 -0.50 0.00
MAPLEWOD_115KV_TB3 80458	22.55 0.57 0.00	20.31 0.53 0.00	19.50 0.53 0.00	19.36 0.58 0.00	19.73 0.59 0.00	22.47 0.65 0.00	27.90 0.81 0.00	31.59 1.21 0.00	31.43 1.00 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	26.98 0.84 0.00	26.69 0.83 0.00	29.04 1.01 0.00	31.21 1.08 0.00	31.39 1.15 0.00	33.46 1.41 0.00	33.22 1.43 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.78 0.86 0.00
MAPLE_RIDGE_WT_1 323574	21.80 -0.18 0.00	19.61 -0.16 0.00	18.84 -0.13 0.00	18.64 -0.13 0.00	19.00 -0.13 0.00	21.66 -0.15 0.00	26.90 -0.19 0.00	30.07 -0.30 0.00	30.12 -0.30 0.00	29.73 -0.15 0.00	28.87 -0.12 0.00	28.57 -0.17 0.00	28.07 -0.20 0.00	27.03 -0.19 0.00	25.93 -0.21 0.00	25.63 -0.23 0.00	27.75 -0.28 0.00	29.79 -0.33 0.00	29.88 -0.36 0.00	31.51 -0.55 0.00	31.19 -0.61 0.00	26.49 -0.43 0.00	23.07 -0.42 0.00	21.47 -0.46 0.00
MAPLE_RIDGE_WT_2 323611	21.80 -0.18 0.00	19.61 -0.16 0.00	18.84 -0.13 0.00	18.64 -0.13 0.00	19.00 -0.13 0.00	21.66 -0.15 0.00	26.90 -0.19 0.00	30.07 -0.30 0.00	30.12 -0.30 0.00	29.73 -0.15 0.00	28.87 -0.12 0.00	28.57 -0.17 0.00	28.07 -0.20 0.00	27.03 -0.19 0.00	25.93 -0.21 0.00	25.63 -0.23 0.00	27.75 -0.28 0.00	29.79 -0.33 0.00	29.88 -0.36 0.00	31.51 -0.55 0.00	31.19 -0.61 0.00	26.49 -0.43 0.00	23.07 -0.42 0.00	21.47 -0.46 0.00
MARBLE_RIVER_WT_PWR 323696	22.70 0.72 0.00	20.41 0.63 0.00	19.56 0.59 0.00	19.39 0.62 0.00	19.75 0.61 0.00	22.53 0.72 0.00	27.39 0.30 0.00	30.53 0.15 0.00	30.43 0.00 0.00	30.86 0.98 0.00	29.74 0.75 0.00	29.20 0.46 0.00	28.61 0.34 0.00	27.52 0.30 0.00	26.40 0.26 0.00	26.15 0.29 0.00	28.28 0.25 0.00	30.45 0.33 0.00	30.36 0.12 0.00	31.86 -0.19 0.00	31.25 -0.54 0.00	26.52 -0.40 0.00	22.95 -0.54 0.00	21.29 -0.64 0.00
MARSHVLE_115KV_TB1 80742	23.01 1.03 0.00	20.66 0.89 0.00	19.84 0.87 0.00	19.69 0.92 0.00	20.11 0.98 0.00	23.04 1.22 0.00	28.82 1.73 0.00	32.26 1.88 0.00	32.04 1.61 0.00	31.22 1.34 0.00	30.35 1.36 0.00	30.03 1.29 0.00	29.57 1.30 0.00	28.44 1.22 0.00	27.26 1.12 0.00	26.98 1.11 0.00	29.29 1.26 0.00	31.54 1.42 0.00	31.75 1.51 0.00	34.04 1.99 0.00	33.86 2.07 0.00	28.38 1.45 0.00	24.92 1.43 0.00	23.16 1.23 0.00
MARSH_HILL_WT_PWR 323713	23.21 1.23 0.00	20.78 1.01 0.00	19.93 0.97 0.00	19.79 1.01 0.00	20.19 1.05 0.00	23.19 1.38 0.00	28.66 1.57 0.00	32.04 1.67 0.00	32.19 1.76 0.00	31.02 1.14 0.00	30.00 1.01 0.00	29.69 0.95 0.00	29.11 0.85 0.00	27.95 0.74 0.00	26.82 0.68 0.00	26.49 0.62 0.00	28.62 0.59 0.00	30.87 0.75 0.00	31.03 0.78 0.00	33.27 1.22 0.00	32.91 1.11 0.00	27.57 0.65 0.00	23.91 0.42 0.00	22.59 0.66 0.00
MCINTYRE_115KV_TB2 80467	21.87 -0.11 0.00	19.66 -0.12 0.00	18.87 -0.09 0.00	18.72 -0.06 0.00	19.06 -0.08 0.00	21.79 -0.02 0.00	27.06 -0.03 0.00	30.22 -0.15 0.00	30.34 -0.09 0.00	30.00 0.12 0.00	29.05 0.06 0.00	28.68 -0.06 0.00	28.15 -0.11 0.00	27.11 -0.11 0.00	26.01 -0.13 0.00	25.76 -0.10 0.00	27.86 -0.17 0.00	30.00 -0.12 0.00	29.97 -0.27 0.00	31.54 -0.51 0.00	31.22 -0.57 0.00	26.74 -0.19 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
MECO____69_KV_BK1 80468	23.76 1.78 0.00	21.30 1.52 0.00	20.47 1.50 0.00	20.33 1.56 0.00	20.82 1.68 0.00	23.89 2.07 0.00	29.93 2.84 0.00	33.47 3.10 0.00	33.10 2.68 0.00	32.15 2.27 0.00	31.31 2.32 0.00	30.98 2.24 0.00	30.50 2.23 0.00	29.29 2.07 0.00	28.07 1.93 0.00	27.81 1.94 0.00	30.24 2.21 0.00	32.68 2.56 0.00	32.90 2.66 0.00	35.39 3.33 0.00	35.32 3.53 0.00	29.48 2.56 0.00	25.82 2.33 0.00	23.92 2.00 0.00
MENANDS__115KV_TB5 355628	22.49 0.51 0.00	20.27 0.49 0.00	19.46 0.49 0.00	19.32 0.54 0.00	19.69 0.56 0.00	22.40 0.59 0.00	27.79 0.70 0.00	31.50 1.12 0.00	31.31 0.88 0.00	30.72 0.84 0.00	29.80 0.81 0.00	29.55 0.80 0.00	29.06 0.79 0.00	28.01 0.79 0.00	26.90 0.76 0.00	26.62 0.75 0.00	28.95 0.92 0.00	31.12 0.99 0.00	31.30 1.06 0.00	33.37 1.31 0.00	33.10 1.30 0.00	27.84 0.92 0.00	24.31 0.82 0.00	22.72 0.79 0.00
MG INDUSTRY___DRP 24185	22.53 0.55 0.00	20.29 0.51 0.00	19.48 0.51 0.00	19.32 0.54 0.00	19.71 0.57 0.00	22.42 0.61 0.00	27.85 0.76 0.00	31.44 1.06 0.00	31.28 0.85 0.00	30.66 0.78 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.93 0.71 0.00	26.82 0.68 0.00	26.54 0.67 0.00	28.81 0.78 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.21 1.15 0.00	32.97 1.18 0.00	27.76 0.83 0.00	24.27 0.78 0.00	22.67 0.75 0.00
MID___OSWEGATCHIE_HYD 23849	21.48 -0.51 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	29.19 -0.69 0.00	28.26 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.25 -0.87 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.78 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.18 -0.75 0.00



MID___RAQUETTE_HYD 23851	21.28 -0.70 0.00	19.12 -0.65 0.00	18.34 -0.63 0.00	18.19 -0.58 0.00	18.53 -0.61 0.00	21.16 -0.65 0.00	26.25 -0.84 0.00	29.28 -1.09 0.00	29.42 -1.00 0.00	29.13 -0.75 0.00	28.18 -0.81 0.00	27.85 -0.89 0.00	27.30 -0.96 0.00	26.29 -0.93 0.00	25.22 -0.91 0.00	25.01 -0.85 0.00	27.07 -0.95 0.00	29.16 -0.96 0.00	29.09 -1.15 0.00	30.61 -1.44 0.00	30.30 -1.49 0.00	25.93 -1.00 0.00	22.55 -0.94 0.00	20.96 -0.96 0.00
MILLIKEN___1 23584	21.96 -0.02 0.00	19.73 -0.04 0.00	18.93 -0.04 0.00	18.66 -0.11 0.00	19.02 -0.11 0.00	21.75 -0.07 0.00	27.01 -0.08 0.00	30.34 -0.03 0.00	30.40 -0.03 0.00	29.52 -0.36 0.00	28.70 -0.29 0.00	28.42 -0.32 0.00	27.93 -0.34 0.00	26.84 -0.38 0.00	25.75 -0.39 0.00	25.45 -0.41 0.00	27.58 -0.45 0.00	29.67 -0.45 0.00	30.06 -0.18 0.00	31.96 -0.10 0.00	31.73 -0.06 0.00	26.68 -0.24 0.00	23.23 -0.26 0.00	21.71 -0.22 0.00
MILLIKEN___2 23585	21.96 -0.02 0.00	19.73 -0.04 0.00	18.93 -0.04 0.00	18.66 -0.11 0.00	19.02 -0.11 0.00	21.75 -0.07 0.00	27.01 -0.08 0.00	30.34 -0.03 0.00	30.40 -0.03 0.00	29.52 -0.36 0.00	28.70 -0.29 0.00	28.42 -0.32 0.00	27.93 -0.34 0.00	26.84 -0.38 0.00	25.75 -0.39 0.00	25.45 -0.41 0.00	27.58 -0.45 0.00	29.67 -0.45 0.00	30.06 -0.18 0.00	31.96 -0.10 0.00	31.73 -0.06 0.00	26.68 -0.24 0.00	23.23 -0.26 0.00	21.71 -0.22 0.00
MILLIKEN___DIESEL 23629	21.96 -0.02 0.00	19.73 -0.04 0.00	18.93 -0.04 0.00	18.66 -0.11 0.00	19.02 -0.11 0.00	21.75 -0.07 0.00	27.01 -0.08 0.00	30.34 -0.03 0.00	30.40 -0.03 0.00	29.52 -0.36 0.00	28.70 -0.29 0.00	28.42 -0.32 0.00	27.93 -0.34 0.00	26.84 -0.38 0.00	25.75 -0.39 0.00	25.45 -0.41 0.00	27.58 -0.45 0.00	29.67 -0.45 0.00	30.06 -0.18 0.00	31.96 -0.10 0.00	31.73 -0.06 0.00	26.68 -0.24 0.00	23.23 -0.26 0.00	21.71 -0.22 0.00
MILLSEAT___LFGE 323607	22.00 0.02 0.00	19.68 -0.10 0.00	18.85 -0.11 0.00	18.62 -0.15 0.00	18.98 -0.15 0.00	21.79 -0.02 0.00	26.79 -0.30 0.00	29.58 -0.79 0.00	29.88 -0.55 0.00	28.89 -0.99 0.00	27.92 -1.07 0.00	27.73 -1.01 0.00	27.13 -1.13 0.00	25.99 -1.22 0.00	24.83 -1.31 0.00	24.75 -1.11 0.00	26.35 -1.68 0.00	28.10 -2.02 0.00	28.37 -1.87 0.00	30.51 -1.54 0.00	30.43 -1.37 0.00	25.66 -1.27 0.00	22.32 -1.17 0.00	21.23 -0.70 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.77 0.79 0.00	20.49 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.62 0.81 0.00	28.28 1.19 0.00	32.17 1.79 0.00	32.10 1.67 0.00	31.61 1.73 0.00	30.56 1.57 0.00	30.41 1.67 0.00	29.93 1.67 0.00	28.88 1.66 0.00	27.79 1.65 0.00	27.55 1.68 0.00	29.82 1.79 0.00	32.11 1.99 0.00	32.30 2.06 0.00	34.49 2.44 0.00	34.18 2.38 0.00	28.62 1.70 0.00	25.02 1.53 0.00	23.27 1.34 0.00
MILLWOOD_13_KV_LOAD 356217	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.66 0.85 0.00	28.34 1.25 0.00	32.26 1.88 0.00	32.16 1.73 0.00	31.70 1.82 0.00	30.64 1.65 0.00	30.49 1.75 0.00	30.02 1.75 0.00	28.93 1.71 0.00	27.86 1.73 0.00	27.65 1.78 0.00	29.93 1.91 0.00	32.20 2.08 0.00	32.36 2.12 0.00	34.58 2.53 0.00	34.30 2.51 0.00	28.70 1.78 0.00	25.09 1.60 0.00	23.31 1.38 0.00
MODEL_CITY_ENERGY 24167	21.54 -0.44 0.00	19.28 -0.49 0.00	18.47 -0.49 0.00	18.27 -0.51 0.00	18.62 -0.52 0.00	21.35 -0.46 0.00	26.12 -0.97 0.00	28.76 -1.61 0.00	29.06 -1.37 0.00	28.12 -1.76 0.00	27.19 -1.80 0.00	27.04 -1.70 0.00	26.51 -1.75 0.00	25.42 -1.80 0.00	24.28 -1.86 0.00	24.19 -1.68 0.00	25.70 -2.33 0.00	27.35 -2.77 0.00	27.58 -2.66 0.00	29.74 -2.31 0.00	29.63 -2.16 0.00	25.07 -1.86 0.00	21.78 -1.71 0.00	20.79 -1.14 0.00
MODERN_LFGE___ 323580	21.54 -0.44 0.00	19.28 -0.49 0.00	18.47 -0.49 0.00	18.27 -0.51 0.00	18.62 -0.52 0.00	21.35 -0.46 0.00	26.12 -0.97 0.00	28.76 -1.61 0.00	29.06 -1.37 0.00	28.12 -1.76 0.00	27.19 -1.80 0.00	27.04 -1.70 0.00	26.51 -1.75 0.00	25.42 -1.80 0.00	24.28 -1.86 0.00	24.19 -1.68 0.00	25.70 -2.33 0.00	27.35 -2.77 0.00	27.58 -2.66 0.00	29.74 -2.31 0.00	29.63 -2.16 0.00	25.07 -1.86 0.00	21.78 -1.71 0.00	20.79 -1.14 0.00
MOHAWK_PAPER___DRP 24187	22.55 0.57 0.00	20.31 0.53 0.00	19.50 0.53 0.00	19.36 0.58 0.00	19.73 0.59 0.00	22.47 0.65 0.00	27.90 0.81 0.00	31.59 1.21 0.00	31.43 1.00 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	26.98 0.84 0.00	26.69 0.83 0.00	29.04 1.01 0.00	31.21 1.08 0.00	31.39 1.15 0.00	33.46 1.41 0.00	33.22 1.43 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.78 0.86 0.00
MOHICAN__35_KV_115KV_LD 80490	22.64 0.66 0.00	20.33 0.55 0.00	19.54 0.57 0.00	19.37 0.60 0.00	19.81 0.67 0.00	22.62 0.81 0.00	28.25 1.16 0.00	31.92 1.55 0.00	31.73 1.31 0.00	31.08 1.20 0.00	30.21 1.22 0.00	29.92 1.18 0.00	29.45 1.19 0.00	28.31 1.09 0.00	27.16 1.02 0.00	26.82 0.96 0.00	29.18 1.15 0.00	31.36 1.23 0.00	31.51 1.27 0.00	33.69 1.63 0.00	33.51 1.72 0.00	28.11 1.18 0.00	24.52 1.03 0.00	22.83 0.90 0.00
MONGAUP___HYD 23641	22.55 0.57 0.00	20.27 0.49 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.67 0.54 0.00	22.40 0.59 0.00	27.74 0.65 0.00	31.41 1.03 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.60 0.61 0.00	29.37 0.63 0.00	28.94 0.68 0.00	27.90 0.68 0.00	26.87 0.73 0.00	26.51 0.65 0.00	28.78 0.76 0.00	31.08 0.96 0.00	31.24 1.00 0.00	33.37 1.31 0.00	33.10 1.30 0.00	27.68 0.75 0.00	24.20 0.70 0.00	22.70 0.77 0.00
MONTAUK___DIESEL 23721	23.54 1.56 0.00	21.30 1.52 0.00	20.37 1.40 0.00	20.14 1.37 0.00	20.90 1.76 0.00	23.73 1.92 0.00	30.34 3.25 0.00	34.41 4.04 0.00	32.80 2.37 0.00	33.23 3.35 0.00	32.38 3.39 0.00	32.25 3.51 0.00	31.66 3.39 0.00	30.40 3.18 0.00	30.18 3.08 -0.95	30.81 3.13 -1.82	31.66 3.50 -0.13	40.52 3.74 -6.67	45.44 3.84 -11.36	40.19 4.30 -3.84	39.85 4.36 -3.70	35.91 3.42 -5.57	27.42 2.94 -0.99	24.58 2.65 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	22.71 0.73 0.00	20.33 0.55 0.00	19.42 0.46 0.00	19.22 0.45 0.00	19.56 0.42 0.00	22.47 0.65 0.00	27.33 0.24 0.00	30.19 -0.18 0.00	30.12 -0.30 0.00	28.71 -1.17 0.00	28.35 -0.64 0.00	28.02 -0.72 0.00	27.53 -0.73 0.00	26.35 -0.87 0.00	25.15 -0.99 0.00	24.73 -1.14 0.00	26.54 -1.49 0.00	28.10 -2.02 0.00	28.27 -1.97 0.00	30.64 -1.41 0.00	30.49 -1.30 0.00	25.42 -1.51 0.00	22.08 -1.41 0.00	20.72 -1.21 0.00
MORTIMER_115KV_TB3 55949	21.74 -0.24 0.00	19.48 -0.30 0.00	18.66 -0.30 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.51 -0.31 0.00	26.47 -0.62 0.00	29.58 -0.79 0.00	29.67 -0.76 0.00	28.51 -1.37 0.00	28.03 -0.96 0.00	27.71 -1.03 0.00	27.25 -1.02 0.00	26.18 -1.03 0.00	25.04 -1.10 0.00	24.75 -1.11 0.00	26.68 -1.35 0.00	28.46 -1.66 0.00	28.79 -1.45 0.00	30.80 -1.25 0.00	30.62 -1.18 0.00	25.66 -1.27 0.00	22.43 -1.06 0.00	20.99 -0.94 0.00



MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.86 0.88 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.13 1.87 0.00	29.07 1.85 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.04 2.02 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.40 2.61 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.40 1.47 0.00
MUNSVILLE_WIND_PWR 323609	23.83 1.85 0.00	21.37 1.60 0.00	20.50 1.54 0.00	20.33 1.56 0.00	20.67 1.53 0.00	23.73 1.92 0.00	29.58 2.49 0.00	33.56 3.19 0.00	33.53 3.11 0.00	32.54 2.66 0.00	31.51 2.52 0.00	31.16 2.41 0.00	30.64 2.37 0.00	29.40 2.18 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.66 2.42 0.00	35.00 2.95 0.00	34.72 2.92 0.00	29.05 2.13 0.00	25.28 1.78 0.00	23.59 1.67 0.00
N SALMON___HYD 24042	22.16 0.18 0.00	19.91 0.14 0.00	19.10 0.13 0.00	18.94 0.17 0.00	19.29 0.15 0.00	22.03 0.22 0.00	27.17 0.08 0.00	30.28 -0.09 0.00	30.18 -0.24 0.00	30.24 0.36 0.00	29.22 0.23 0.00	28.80 0.06 0.00	28.24 -0.03 0.00	27.16 -0.05 0.00	26.09 -0.05 0.00	25.87 0.00 0.00	28.00 -0.03 0.00	30.12 0.00 0.00	30.03 -0.21 0.00	31.60 -0.45 0.00	31.16 -0.64 0.00	26.58 -0.35 0.00	23.07 -0.42 0.00	21.40 -0.53 0.00
N.AKRON___115KV_KNAPP 355671	22.02 0.04 0.00	19.69 -0.08 0.00	18.85 -0.11 0.00	18.62 -0.15 0.00	19.00 -0.13 0.00	21.81 0.00 0.00	26.71 -0.38 0.00	29.58 -0.79 0.00	29.70 -0.73 0.00	28.21 -1.67 0.00	27.92 -1.07 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.02 -1.20 0.00	24.86 -1.28 0.00	24.55 -1.32 0.00	26.37 -1.65 0.00	28.01 -2.11 0.00	28.37 -1.87 0.00	30.55 -1.51 0.00	30.46 -1.34 0.00	25.42 -1.51 0.00	22.25 -1.25 0.00	20.88 -1.05 0.00
N.BELMOR_69_KV_BK1 55787	22.86 0.88 0.00	20.58 0.81 0.00	19.71 0.74 0.00	19.53 0.75 0.00	20.13 1.00 0.00	22.88 1.07 0.00	29.09 2.00 0.00	32.83 2.46 0.00	31.98 1.55 0.00	32.21 2.33 0.00	31.28 2.29 0.00	31.10 2.36 0.00	30.61 2.35 0.00	29.42 2.20 0.00	29.26 2.17 -0.95	29.88 2.20 -1.82	30.38 2.35 0.00	32.87 2.56 -0.19	34.07 2.66 -1.17	37.01 3.04 -1.91	34.91 3.12 0.00	30.99 2.26 -1.80	26.58 2.09 -0.99	23.90 1.97 0.00
N.E_GEN_SANDY PD 24062	22.49 0.51 0.00	20.27 0.49 0.00	19.46 0.49 0.00	19.32 0.54 0.00	19.69 0.56 0.00	22.40 0.59 0.00	27.79 0.70 0.00	31.62 1.25 0.00	31.61 1.19 0.00	30.78 0.90 0.00	29.80 0.81 0.00	29.60 0.86 0.00	29.14 0.88 0.00	28.09 0.87 0.00	27.00 0.86 0.00	26.72 0.85 0.00	29.09 1.06 0.00	31.36 1.24 0.00	31.57 1.33 0.00	33.62 1.57 0.00	32.30 1.56 1.05	29.00 1.02 -1.05	24.43 0.94 0.00	22.76 0.83 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	22.75 0.77 0.00	20.49 0.71 0.00	19.59 0.63 0.00	19.49 0.71 0.00	19.87 0.73 0.00	22.60 0.79 0.00	28.20 1.11 0.00	32.01 1.64 0.00	31.92 1.49 0.00	31.46 1.58 0.00	30.41 1.42 0.00	30.24 1.49 0.00	29.76 1.50 0.00	28.72 1.50 0.00	27.63 1.49 0.00	27.37 1.50 0.00	29.62 1.60 0.00	31.87 1.75 0.00	32.02 1.78 0.00	34.26 2.21 0.00	33.96 2.16 0.00	28.43 1.51 0.00	24.85 1.36 0.00	23.11 1.18 0.00
N.QUEENS_27_KV_LOAD 356247	22.82 0.84 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.64 0.86 0.00	19.92 0.78 0.00	22.47 0.65 0.00	28.15 1.06 0.00	32.10 1.73 0.00	32.13 1.70 0.00	31.70 1.82 0.00	30.53 1.54 0.00	30.44 1.70 0.00	29.99 1.72 0.00	28.96 1.74 0.00	27.89 1.75 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.23 2.11 0.00	32.42 2.18 0.00	34.62 2.56 0.00	34.27 2.48 0.00	28.73 1.80 0.00	25.28 1.79 0.00	23.51 1.58 0.00
N.TROY___115KV_TB1 355778	22.46 0.48 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.40 0.59 0.00	27.85 0.76 0.00	31.53 1.15 0.00	31.34 0.91 0.00	30.72 0.84 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.62 0.75 0.00	28.95 0.92 0.00	31.15 1.02 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.16 1.37 0.00	27.87 0.94 0.00	24.34 0.85 0.00	22.72 0.79 0.00
NARROWS_GT1_1 24228	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_2 24229	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_3 24230	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_4 24231	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_5 24232	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_6 24233	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00



NARROWS_GT1_7 24234	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT1_8 24235	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_1 24236	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_2 24237	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_3 24238	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_4 24239	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_5 24240	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_6 24241	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_7 24242	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NARROWS_GT2_8 24243	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	22.79 0.81 0.00	20.51 0.73 0.00	19.69 0.72 0.00	19.54 0.77 0.00	19.96 0.82 0.00	22.73 0.92 0.00	28.34 1.25 0.00	31.95 1.58 0.00	31.67 1.25 0.00	30.90 1.02 0.00	29.89 0.90 0.00	29.57 0.83 0.00	29.08 0.82 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.51 0.65 0.00	28.84 0.81 0.00	31.12 0.99 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.19 1.40 0.00	27.90 0.97 0.00	24.36 0.87 0.00	22.78 0.86 0.00
NCHELSEA_115KV_TR2 355582	22.99 1.01 0.00	20.66 0.89 0.00	19.80 0.83 0.00	19.66 0.88 0.00	20.06 0.92 0.00	22.82 1.00 0.00	28.58 1.49 0.00	32.41 2.04 0.00	32.31 1.89 0.00	31.76 1.88 0.00	30.67 1.68 0.00	30.52 1.78 0.00	30.02 1.75 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.50 1.63 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.24 2.00 0.00	34.39 2.34 0.00	34.11 2.32 0.00	28.54 1.62 0.00	24.92 1.43 0.00	23.22 1.29 0.00
NEG CAPITAL___MECHNVIL 23645	22.73 0.75 0.00	20.43 0.65 0.00	19.61 0.65 0.00	19.47 0.70 0.00	19.87 0.73 0.00	22.66 0.85 0.00	28.23 1.14 0.00	31.92 1.55 0.00	31.89 1.46 0.00	31.11 1.23 0.00	30.21 1.22 0.00	29.92 1.18 0.00	29.45 1.19 0.00	28.36 1.14 0.00	27.21 1.07 0.00	26.90 1.04 0.00	29.26 1.23 0.00	31.48 1.36 0.00	31.63 1.39 0.00	33.78 1.73 0.00	33.54 1.75 0.00	28.14 1.21 0.00	24.57 1.08 0.00	22.87 0.94 0.00
NEG CENTRAL_HIGH_ACRES 23767	21.26 -0.72 0.00	19.06 -0.71 0.00	18.27 -0.70 0.00	18.02 -0.75 0.00	18.39 -0.75 0.00	21.05 -0.76 0.00	26.06 -1.03 0.00	29.01 -1.37 0.00	29.21 -1.22 0.00	28.42 -1.46 0.00	27.48 -1.51 0.00	27.30 -1.44 0.00	26.71 -1.55 0.00	25.67 -1.55 0.00	24.57 -1.57 0.00	24.39 -1.47 0.00	26.21 -1.82 0.00	28.13 -1.99 0.00	28.37 -1.87 0.00	30.26 -1.79 0.00	30.04 -1.75 0.00	25.31 -1.61 0.00	22.06 -1.43 0.00	20.74 -1.18 0.00
NEG CENTRAL___DRP 24199	22.07 0.09 0.00	19.81 0.04 0.00	18.99 0.02 0.00	18.76 -0.02 0.00	19.16 0.02 0.00	21.92 0.11 0.00	27.17 0.08 0.00	30.46 0.09 0.00	30.52 0.09 0.00	29.55 -0.33 0.00	28.82 -0.17 0.00	28.51 -0.23 0.00	28.01 -0.25 0.00	26.95 -0.27 0.00	25.85 -0.29 0.00	25.50 -0.36 0.00	27.61 -0.42 0.00	29.64 -0.48 0.00	29.97 -0.27 0.00	31.92 -0.13 0.00	31.70 -0.10 0.00	26.58 -0.35 0.00	23.16 -0.33 0.00	21.64 -0.29 0.00



NEG CENTRAL___INDECK 23768	22.97 0.99 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.49 0.71 0.00	19.88 0.75 0.00	22.84 1.03 0.00	28.23 1.14 0.00	31.44 1.06 0.00	31.49 1.06 0.00	30.33 0.45 0.00	29.28 0.29 0.00	29.03 0.29 0.00	28.41 0.14 0.00	27.25 0.03 0.00	26.11 -0.03 0.00	25.92 0.05 0.00	27.92 -0.11 0.00	30.15 0.03 0.00	30.48 0.24 0.00	32.76 0.70 0.00	32.53 0.73 0.00	27.30 0.38 0.00	23.73 0.23 0.00	22.37 0.44 0.00
NEG CENTRAL___SENECA 23627	22.35 0.37 0.00	20.05 0.28 0.00	19.21 0.25 0.00	19.02 0.24 0.00	19.43 0.29 0.00	22.27 0.46 0.00	27.55 0.46 0.00	30.86 0.49 0.00	30.85 0.43 0.00	29.82 -0.06 0.00	29.08 0.09 0.00	28.80 0.06 0.00	28.26 0.00 0.00	27.16 -0.05 0.00	26.06 -0.08 0.00	25.74 -0.13 0.00	27.83 -0.20 0.00	29.88 -0.24 0.00	30.21 -0.03 0.00	32.24 0.19 0.00	31.98 0.19 0.00	26.79 -0.13 0.00	23.35 -0.14 0.00	21.82 -0.11 0.00
NEG CENTRAL___STATE_STREET 24147	21.80 -0.18 0.00	19.62 -0.16 0.00	18.80 -0.17 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.60 -0.22 0.00	26.85 -0.24 0.00	30.16 -0.21 0.00	30.24 -0.18 0.00	29.40 -0.48 0.00	28.64 -0.35 0.00	28.37 -0.37 0.00	27.90 -0.37 0.00	26.81 -0.41 0.00	25.72 -0.42 0.00	25.40 -0.47 0.00	27.49 -0.53 0.00	29.55 -0.57 0.00	29.85 -0.39 0.00	31.73 -0.32 0.00	31.48 -0.32 0.00	26.44 -0.48 0.00	23.04 -0.45 0.00	21.53 -0.39 0.00
NEG MILLWOOD___DRP 24198	22.99 1.01 0.00	20.68 0.91 0.00	19.82 0.85 0.00	19.69 0.92 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.61 1.52 0.00	32.50 2.13 0.00	32.37 1.95 0.00	31.88 2.00 0.00	30.82 1.83 0.00	30.67 1.93 0.00	30.16 1.89 0.00	29.04 1.82 0.00	27.94 1.80 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.29 2.17 0.00	32.45 2.21 0.00	34.65 2.60 0.00	34.37 2.58 0.00	28.76 1.83 0.00	25.09 1.60 0.00	23.33 1.40 0.00
NEG NORTH_FLCN_SEA 23793	22.79 0.81 0.00	20.49 0.71 0.00	19.63 0.66 0.00	19.47 0.69 0.00	19.83 0.69 0.00	22.64 0.83 0.00	27.47 0.38 0.00	30.62 0.24 0.00	30.73 0.30 0.00	31.11 1.23 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.80 0.54 0.00	27.71 0.49 0.00	26.58 0.44 0.00	26.36 0.49 0.00	28.50 0.48 0.00	30.72 0.60 0.00	30.60 0.36 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
NEG NORTH_KES_CHATEGAY 23792	22.27 0.29 0.00	20.01 0.24 0.00	19.20 0.23 0.00	19.04 0.26 0.00	19.39 0.25 0.00	22.10 0.28 0.00	27.17 0.08 0.00	30.22 -0.15 0.00	30.37 -0.06 0.00	30.33 0.45 0.00	29.19 0.20 0.00	28.77 0.03 0.00	28.24 -0.03 0.00	27.22 0.00 0.00	26.11 -0.03 0.00	25.89 0.03 0.00	28.03 0.00 0.00	30.21 0.09 0.00	30.12 -0.12 0.00	31.67 -0.38 0.00	31.19 -0.60 0.00	26.63 -0.30 0.00	23.09 -0.40 0.00	21.47 -0.46 0.00
NEG NORTH___ALICE_FALLS 23915	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.60 0.79 0.00	27.58 0.49 0.00	30.77 0.39 0.00	30.85 0.43 0.00	31.08 1.20 0.00	29.86 0.87 0.00	29.34 0.60 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.56 0.42 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.75 0.63 0.00	30.60 0.36 0.00	32.18 0.13 0.00	31.60 -0.19 0.00	26.87 -0.05 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
NEG NORTH___LWR_SARANAC 23913	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.60 0.79 0.00	27.58 0.49 0.00	30.77 0.39 0.00	30.85 0.43 0.00	31.08 1.20 0.00	29.86 0.87 0.00	29.34 0.60 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.56 0.42 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.75 0.63 0.00	30.60 0.36 0.00	32.18 0.13 0.00	31.60 -0.19 0.00	26.87 -0.05 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
NEG NORTH___PLATTSBURG 23628	22.75 0.77 0.00	20.45 0.67 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.79 0.65 0.00	22.60 0.78 0.00	27.58 0.49 0.00	30.77 0.39 0.00	30.64 0.21 0.00	31.02 1.14 0.00	29.86 0.87 0.00	29.35 0.60 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.56 0.42 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.69 0.57 0.00	30.60 0.36 0.00	32.18 0.13 0.00	31.60 -0.19 0.00	26.87 -0.05 0.00	23.26 -0.23 0.00	21.60 -0.33 0.00
NEG WEST_LEA_LOCKPORT 23791	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.28 -0.81 0.00	29.07 -1.31 0.00	29.15 -1.28 0.00	27.67 -2.21 0.00	27.45 -1.54 0.00	27.13 -1.61 0.00	26.77 -1.50 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.21 -1.66 0.00	25.95 -2.07 0.00	27.50 -2.62 0.00	27.82 -2.42 0.00	30.00 -2.05 0.00	29.92 -1.88 0.00	25.01 -1.91 0.00	21.87 -1.62 0.00	20.57 -1.36 0.00
NEG WEST___LANCASTR 23811	22.68 0.70 0.00	20.29 0.51 0.00	19.42 0.46 0.00	19.24 0.47 0.00	19.64 0.50 0.00	22.56 0.74 0.00	27.52 0.43 0.00	30.31 -0.06 0.00	30.30 -0.12 0.00	28.98 -0.90 0.00	28.64 -0.35 0.00	28.34 -0.40 0.00	27.93 -0.34 0.00	26.78 -0.44 0.00	25.62 -0.52 0.00	25.27 -0.59 0.00	27.13 -0.90 0.00	28.80 -1.33 0.00	29.03 -1.21 0.00	31.41 -0.64 0.00	31.25 -0.54 0.00	26.17 -0.75 0.00	22.81 -0.68 0.00	21.53 -0.39 0.00
NEG_PENN_ALLEGHNY 23528	22.70 0.72 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.64 0.83 0.00	28.01 0.92 0.00	31.44 1.06 0.00	31.61 1.19 0.00	30.72 0.84 0.00	29.74 0.75 0.00	29.52 0.78 0.00	29.00 0.73 0.00	27.90 0.68 0.00	26.79 0.65 0.00	26.46 0.60 0.00	28.59 0.56 0.00	30.72 0.60 0.00	30.84 0.60 0.00	33.05 0.99 0.00	32.78 0.99 0.00	27.57 0.65 0.00	24.03 0.54 0.00	22.65 0.72 0.00
NEG___GEN_MONROE 24207	21.89 -0.09 0.00	19.56 -0.22 0.00	18.74 -0.23 0.00	18.49 -0.28 0.00	18.87 -0.27 0.00	21.64 -0.17 0.00	26.58 -0.51 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	28.48 -1.40 0.00	28.00 -0.99 0.00	27.68 -1.06 0.00	27.19 -1.07 0.00	26.13 -1.09 0.00	24.99 -1.15 0.00	24.70 -1.16 0.00	26.60 -1.43 0.00	28.34 -1.78 0.00	28.70 -1.54 0.00	30.80 -1.25 0.00	30.65 -1.14 0.00	25.69 -1.24 0.00	22.46 -1.03 0.00	21.03 -0.90 0.00
NEPA___ENERGY 23901	22.55 0.57 0.00	20.17 0.40 0.00	19.31 0.34 0.00	19.13 0.36 0.00	19.52 0.38 0.00	22.42 0.61 0.00	27.33 0.24 0.00	30.16 -0.21 0.00	30.12 -0.30 0.00	28.83 -1.05 0.00	28.47 -0.52 0.00	28.17 -0.57 0.00	27.76 -0.51 0.00	26.59 -0.63 0.00	25.43 -0.71 0.00	25.09 -0.78 0.00	26.96 -1.07 0.00	28.62 -1.51 0.00	28.82 -1.42 0.00	31.22 -0.83 0.00	31.06 -0.73 0.00	26.01 -0.92 0.00	22.69 -0.80 0.00	21.36 -0.57 0.00
NEVERSINK___HYD 23608	23.01 1.03 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.08 0.94 0.00	22.86 1.05 0.00	28.61 1.52 0.00	32.44 2.07 0.00	32.59 2.16 0.00	31.79 1.91 0.00	30.64 1.65 0.00	30.44 1.70 0.00	29.93 1.67 0.00	28.88 1.66 0.00	27.79 1.65 0.00	27.39 1.53 0.00	29.68 1.65 0.00	32.05 1.93 0.00	32.24 2.00 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.51 1.59 0.00	24.90 1.41 0.00	23.16 1.23 0.00



NEWKRMKL_115KV_TB1 55635	22.51 0.53 0.00	20.29 0.51 0.00	19.48 0.51 0.00	19.34 0.56 0.00	19.69 0.56 0.00	22.42 0.61 0.00	27.82 0.73 0.00	31.50 1.12 0.00	31.34 0.91 0.00	30.75 0.87 0.00	29.83 0.84 0.00	29.57 0.83 0.00	29.11 0.85 0.00	28.04 0.82 0.00	26.92 0.78 0.00	26.64 0.78 0.00	28.95 0.92 0.00	31.12 0.99 0.00	31.30 1.06 0.00	33.37 1.31 0.00	33.10 1.30 0.00	27.84 0.92 0.00	24.34 0.85 0.00	22.74 0.81 0.00
NEWTON___FALLS_HYD 23847	21.48 -0.51 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.67 -0.70 0.00	29.70 -0.73 0.00	29.19 -0.69 0.00	28.26 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.25 -0.87 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.78 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.18 -0.75 0.00
NGRID_A1_DSASP 323792	21.21 -0.77 0.00	19.00 -0.77 0.00	18.21 -0.76 0.00	18.00 -0.77 0.00	18.35 -0.79 0.00	21.03 -0.78 0.00	25.68 -1.41 0.00	28.28 -2.10 0.00	28.57 -1.86 0.00	27.67 -2.21 0.00	26.73 -2.26 0.00	26.61 -2.13 0.00	26.09 -2.18 0.00	25.02 -2.20 0.00	23.92 -2.22 0.00	23.82 -2.04 0.00	25.31 -2.72 0.00	26.90 -3.22 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.69 -2.23 0.00	21.45 -2.04 0.00	20.50 -1.43 0.00
NGRID_A2_DSASP 323793	21.21 -0.77 0.00	19.00 -0.77 0.00	18.21 -0.76 0.00	18.00 -0.77 0.00	18.35 -0.79 0.00	21.03 -0.78 0.00	25.68 -1.41 0.00	28.28 -2.10 0.00	28.57 -1.86 0.00	27.67 -2.21 0.00	26.73 -2.26 0.00	26.61 -2.13 0.00	26.09 -2.18 0.00	25.02 -2.20 0.00	23.92 -2.22 0.00	23.82 -2.04 0.00	25.31 -2.72 0.00	26.90 -3.22 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.69 -2.23 0.00	21.45 -2.04 0.00	20.50 -1.43 0.00
NGRID_A4_DSASP 323807	21.21 -0.77 0.00	19.00 -0.77 0.00	18.21 -0.76 0.00	18.00 -0.77 0.00	18.35 -0.79 0.00	21.03 -0.78 0.00	25.68 -1.41 0.00	28.28 -2.10 0.00	28.57 -1.86 0.00	27.67 -2.21 0.00	26.73 -2.26 0.00	26.61 -2.13 0.00	26.09 -2.18 0.00	25.02 -2.20 0.00	23.92 -2.22 0.00	23.82 -2.04 0.00	25.31 -2.72 0.00	26.90 -3.22 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.69 -2.23 0.00	21.45 -2.04 0.00	20.50 -1.43 0.00
NIAGARA_115E_LBMP 323715	21.43 -0.55 0.00	19.18 -0.59 0.00	18.38 -0.59 0.00	18.17 -0.60 0.00	18.52 -0.61 0.00	21.25 -0.57 0.00	25.95 -1.14 0.00	28.55 -1.82 0.00	28.88 -1.55 0.00	27.94 -1.94 0.00	27.02 -1.97 0.00	26.87 -1.87 0.00	26.34 -1.92 0.00	25.26 -1.96 0.00	24.15 -1.99 0.00	24.05 -1.81 0.00	25.56 -2.47 0.00	27.17 -2.95 0.00	27.40 -2.84 0.00	29.55 -2.50 0.00	29.47 -2.32 0.00	24.93 -1.99 0.00	21.66 -1.83 0.00	20.68 -1.25 0.00
NIAGARA_115W_LBMP 323714	21.17 -0.81 0.00	18.94 -0.83 0.00	18.15 -0.82 0.00	17.95 -0.83 0.00	18.30 -0.84 0.00	20.99 -0.83 0.00	25.63 -1.46 0.00	28.19 -2.19 0.00	28.48 -1.95 0.00	27.58 -2.30 0.00	26.67 -2.32 0.00	26.53 -2.21 0.00	26.03 -2.23 0.00	24.96 -2.26 0.00	23.86 -2.27 0.00	23.77 -2.09 0.00	25.25 -2.78 0.00	26.84 -3.28 0.00	27.07 -3.17 0.00	29.17 -2.88 0.00	29.09 -2.70 0.00	24.64 -2.29 0.00	21.40 -2.09 0.00	20.44 -1.49 0.00
NIAGARA_230_LBMP 323716	21.50 -0.48 0.00	19.26 -0.51 0.00	18.46 -0.51 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.33 -0.48 0.00	26.06 -1.03 0.00	28.67 -1.70 0.00	28.97 -1.46 0.00	28.06 -1.82 0.00	27.13 -1.86 0.00	26.99 -1.75 0.00	26.46 -1.81 0.00	25.40 -1.82 0.00	24.28 -1.86 0.00	24.16 -1.71 0.00	25.70 -2.33 0.00	27.32 -2.80 0.00	27.58 -2.66 0.00	29.71 -2.34 0.00	29.63 -2.16 0.00	25.07 -1.86 0.00	21.78 -1.71 0.00	20.81 -1.12 0.00
NIAGARA___115KV_198_GIBSON 55903	21.17 -0.81 0.00	18.94 -0.83 0.00	18.15 -0.82 0.00	17.95 -0.83 0.00	18.30 -0.84 0.00	20.99 -0.83 0.00	25.49 -1.60 0.00	28.19 -2.19 0.00	28.30 -2.13 0.00	26.86 -3.02 0.00	26.64 -2.35 0.00	26.36 -2.39 0.00	26.03 -2.23 0.00	24.96 -2.26 0.00	23.86 -2.27 0.00	23.54 -2.33 0.00	25.25 -2.77 0.00	26.72 -3.40 0.00	27.06 -3.18 0.00	29.17 -2.88 0.00	29.09 -2.70 0.00	24.37 -2.56 0.00	21.33 -2.16 0.00	20.06 -1.86 0.00
NIAGARA____ 23760	21.50 -0.48 0.00	19.26 -0.51 0.00	18.46 -0.51 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.33 -0.48 0.00	26.06 -1.03 0.00	28.67 -1.70 0.00	28.97 -1.46 0.00	28.06 -1.82 0.00	27.13 -1.86 0.00	26.99 -1.75 0.00	26.46 -1.81 0.00	25.40 -1.82 0.00	24.28 -1.86 0.00	24.16 -1.71 0.00	25.70 -2.33 0.00	27.32 -2.80 0.00	27.58 -2.66 0.00	29.71 -2.34 0.00	29.63 -2.16 0.00	25.07 -1.86 0.00	21.78 -1.71 0.00	20.81 -1.12 0.00
NINE_MILE_1 23575	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.05 -0.76 0.00	26.14 -0.95 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.59 -1.21 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
NINE_MILE_2 23744	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.05 -0.76 0.00	26.14 -0.95 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.62 -1.12 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.59 -1.21 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
NM_CAPITAL___DRP 24208	22.49 0.51 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.30 0.53 0.00	19.67 0.54 0.00	22.38 0.57 0.00	27.79 0.70 0.00	31.47 1.09 0.00	31.28 0.85 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.92 0.90 0.00	31.09 0.96 0.00	31.27 1.03 0.00	33.33 1.28 0.00	33.06 1.27 0.00	27.81 0.89 0.00	24.29 0.80 0.00	22.72 0.79 0.00
NM_CENTRAL___DRP 24181	21.63 -0.35 0.00	19.44 -0.34 0.00	18.65 -0.32 0.00	18.38 -0.39 0.00	18.74 -0.40 0.00	21.40 -0.41 0.00	26.58 -0.51 0.00	29.83 -0.55 0.00	29.91 -0.52 0.00	29.13 -0.75 0.00	28.35 -0.64 0.00	28.11 -0.63 0.00	27.61 -0.65 0.00	26.57 -0.65 0.00	25.51 -0.63 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.28 -0.84 0.00	29.54 -0.70 0.00	31.38 -0.67 0.00	31.16 -0.64 0.00	26.23 -0.70 0.00	22.88 -0.61 0.00	21.40 -0.53 0.00
NM_FRONTIER___DRP 24179	21.17 -0.81 0.00	18.94 -0.83 0.00	18.15 -0.82 0.00	17.95 -0.83 0.00	18.30 -0.84 0.00	20.99 -0.83 0.00	25.49 -1.60 0.00	28.19 -2.19 0.00	28.30 -2.13 0.00	26.86 -3.02 0.00	26.64 -2.35 0.00	26.36 -2.39 0.00	26.03 -2.23 0.00	24.96 -2.26 0.00	23.86 -2.27 0.00	23.54 -2.33 0.00	25.25 -2.77 0.00	26.72 -3.40 0.00	27.06 -3.18 0.00	29.17 -2.88 0.00	29.09 -2.70 0.00	24.37 -2.56 0.00	21.33 -2.16 0.00	20.06 -1.86 0.00



NM_ST_REGIS___HYD 24053	21.48 -0.51 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.36 -0.41 0.00	18.70 -0.44 0.00	21.36 -0.46 0.00	26.47 -0.62 0.00	29.49 -0.88 0.00	29.67 -0.76 0.00	29.43 -0.45 0.00	28.44 -0.55 0.00	28.05 -0.69 0.00	27.53 -0.73 0.00	26.51 -0.71 0.00	25.43 -0.71 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.40 -0.72 0.00	29.30 -0.94 0.00	30.83 -1.22 0.00	30.49 -1.30 0.00	26.06 -0.86 0.00	22.65 -0.85 0.00	21.05 -0.88 0.00
NORTHPORT___1 23551	22.86 0.88 0.00	20.64 0.87 0.00	19.69 0.72 0.00	19.56 0.79 0.00	20.21 1.07 0.00	22.97 1.16 0.00	29.12 2.03 0.00	33.08 2.70 0.00	32.59 2.16 0.00	31.91 2.03 0.00	31.29 2.29 -0.01	31.11 2.36 -0.01	30.68 2.40 -0.01	29.49 2.26 -0.01	29.29 2.20 -0.95	29.88 2.20 -1.82	30.17 2.13 -0.01	32.66 2.35 -0.19	33.86 2.45 -1.17	36.72 2.76 -1.91	34.63 2.83 -0.01	30.72 1.99 -1.80	26.64 2.16 -0.99	23.96 2.02 -0.01
NORTHPORT___2 23552	22.86 0.88 0.00	20.64 0.87 0.00	19.69 0.72 0.00	19.56 0.79 0.00	20.21 1.07 0.00	22.97 1.16 0.00	29.12 2.03 0.00	33.08 2.70 0.00	32.59 2.16 0.00	31.91 2.03 0.00	31.29 2.29 -0.01	31.11 2.36 -0.01	30.68 2.40 -0.01	29.49 2.26 -0.01	29.29 2.20 -0.95	29.88 2.20 -1.82	30.17 2.13 -0.01	32.66 2.35 -0.19	33.86 2.45 -1.17	36.72 2.76 -1.91	34.63 2.83 -0.01	30.72 1.99 -1.80	26.64 2.16 -0.99	23.96 2.02 -0.01
NORTHPORT___3 23553	22.64 0.66 0.00	20.41 0.63 0.00	19.48 0.51 0.00	19.34 0.56 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.80 1.71 0.00	32.32 1.95 0.00	32.10 1.67 0.00	31.31 1.43 0.00	30.71 1.71 -0.01	30.53 1.78 -0.01	30.14 1.87 -0.01	29.08 1.85 -0.01	28.92 1.83 -0.95	29.47 1.78 -1.82	30.50 2.47 0.00	32.69 2.74 0.17	33.66 2.81 -0.61	37.06 3.20 -1.81	34.88 3.28 0.19	30.86 2.34 -1.60	26.41 1.93 -0.99	23.71 1.78 -0.01
NORTHPORT___4 23650	22.64 0.66 0.00	20.41 0.63 0.00	19.48 0.51 0.00	19.34 0.56 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.80 1.71 0.00	32.32 1.95 0.00	32.10 1.67 0.00	31.31 1.43 0.00	30.71 1.71 -0.01	30.53 1.78 -0.01	30.14 1.87 -0.01	29.08 1.85 -0.01	28.92 1.83 -0.95	29.47 1.78 -1.82	30.50 2.47 0.00	32.69 2.74 0.17	33.66 2.81 -0.61	37.06 3.20 -1.81	34.88 3.28 0.19	30.86 2.34 -1.60	26.41 1.93 -0.99	23.71 1.78 -0.01
NORTHPORT___IC 23718	22.86 0.88 0.00	20.64 0.87 0.00	19.76 0.80 0.00	19.56 0.79 0.00	20.21 1.07 0.00	22.97 1.16 0.00	29.28 2.19 0.00	33.08 2.70 0.00	31.92 1.49 0.00	32.27 2.39 0.00	31.34 2.35 0.00	31.13 2.39 0.00	30.67 2.40 0.00	29.48 2.26 0.00	29.29 2.20 -0.95	29.94 2.25 -1.82	30.16 2.13 0.00	32.63 2.32 -0.19	33.86 2.45 -1.17	36.72 2.76 -1.91	34.59 2.80 0.00	30.78 2.05 -1.80	26.67 2.18 -0.99	24.01 2.08 0.00
NORTH___COUNTRY_ESR 323785	22.18 0.20 0.00	19.93 0.16 0.00	19.14 0.17 0.00	18.96 0.19 0.00	19.31 0.17 0.00	22.03 0.22 0.00	27.09 0.00 0.00	30.13 -0.24 0.00	30.06 -0.36 0.00	30.18 0.30 0.00	29.16 0.17 0.00	28.74 0.00 0.00	28.21 -0.06 0.00	27.14 -0.08 0.00	26.06 -0.08 0.00	25.81 -0.05 0.00	27.94 -0.08 0.00	30.06 -0.06 0.00	30.03 -0.21 0.00	31.54 -0.51 0.00	31.09 -0.70 0.00	26.55 -0.38 0.00	23.02 -0.47 0.00	21.40 -0.53 0.00
NPX_GEN_1385_PROXY 323591	22.64 0.66 0.00	20.58 0.81 0.00	19.63 0.66 0.00	19.56 0.79 0.00	20.15 1.01 0.00	22.90 1.09 0.00	28.93 1.84 0.00	33.17 2.79 0.00	32.40 1.98 0.00	31.73 1.85 0.00	30.94 1.94 -0.01	30.67 1.93 -0.01	30.28 2.01 -0.01	29.16 1.93 -0.01	28.95 1.86 -0.95	29.52 1.84 -1.82	30.00 1.96 -0.01	32.66 2.35 -0.19	34.01 2.60 -1.17	36.56 2.60 -1.91	33.39 2.64 1.04	31.72 1.94 -2.85	26.46 1.97 -0.99	23.93 2.00 -0.01
NPX_GEN_CSC 323557	22.79 0.81 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.54 0.77 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.16 1.73 0.00	31.52 1.64 0.00	31.03 2.03 -0.01	30.88 2.13 -0.01	30.45 2.18 -0.01	29.27 2.04 -0.01	29.13 2.04 -0.95	29.73 2.04 -1.82	30.72 2.55 -0.14	39.58 2.77 -6.69	44.51 2.87 -11.40	39.04 3.14 -3.84	37.80 3.34 -2.67	36.06 2.50 -6.63	26.57 2.09 -0.99	23.71 1.78 -0.01
NSINS_S_GLNS_FALLS 23858	22.62 0.64 0.00	20.31 0.53 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.79 0.65 0.00	22.60 0.79 0.00	28.23 1.14 0.00	31.92 1.55 0.00	31.73 1.31 0.00	31.05 1.17 0.00	30.21 1.22 0.00	29.89 1.15 0.00	29.45 1.19 0.00	28.31 1.09 0.00	27.16 1.02 0.00	26.82 0.96 0.00	29.18 1.15 0.00	31.33 1.20 0.00	31.51 1.27 0.00	33.69 1.63 0.00	33.51 1.72 0.00	28.08 1.16 0.00	24.52 1.03 0.00	22.83 0.90 0.00
NUCOR_STEEL___DRP 24197	21.83 -0.15 0.00	19.64 -0.14 0.00	18.82 -0.15 0.00	18.53 -0.24 0.00	18.91 -0.23 0.00	21.60 -0.22 0.00	26.85 -0.24 0.00	30.13 -0.24 0.00	30.21 -0.21 0.00	29.37 -0.51 0.00	28.58 -0.41 0.00	28.31 -0.43 0.00	27.84 -0.42 0.00	26.76 -0.46 0.00	25.67 -0.47 0.00	25.35 -0.52 0.00	27.44 -0.59 0.00	29.49 -0.63 0.00	29.79 -0.45 0.00	31.67 -0.38 0.00	31.44 -0.35 0.00	26.44 -0.48 0.00	23.04 -0.45 0.00	21.56 -0.37 0.00
NUMBER_THREE_WT_PWR 323818	22.00 0.02 0.00	19.77 0.00 0.00	18.99 0.02 0.00	18.79 0.02 0.00	19.14 0.00 0.00	21.90 0.09 0.00	27.28 0.19 0.00	30.56 0.18 0.00	30.46 0.03 0.00	29.76 -0.12 0.00	28.85 -0.14 0.00	28.42 -0.32 0.00	27.87 -0.40 0.00	26.84 -0.38 0.00	25.72 -0.42 0.00	25.50 -0.36 0.00	27.58 -0.45 0.00	29.79 -0.33 0.00	29.94 -0.30 0.00	31.92 -0.13 0.00	31.67 -0.13 0.00	26.74 -0.19 0.00	23.28 -0.21 0.00	21.62 -0.31 0.00
NYISO_LBMP_REFERENCE 24008	21.98 0.00 0.00	19.77 0.00 0.00	18.97 0.00 0.00	18.77 0.00 0.00	19.14 0.00 0.00	21.81 0.00 0.00	27.09 0.00 0.00	30.37 0.00 0.00	30.43 0.00 0.00	29.88 0.00 0.00	28.99 0.00 0.00	28.74 0.00 0.00	28.26 0.00 0.00	27.22 0.00 0.00	26.14 0.00 0.00	25.87 0.00 0.00	28.03 0.00 0.00	30.12 0.00 0.00	30.24 0.00 0.00	32.05 0.00 0.00	31.79 0.00 0.00	26.93 0.00 0.00	23.49 0.00 0.00	21.93 0.00 0.00
NYPA_BRENTWD____GT 24164	23.21 1.23 0.00	20.92 1.15 0.00	19.95 0.99 0.00	19.81 1.03 0.00	20.52 1.38 0.00	23.30 1.48 0.00	29.61 2.52 0.00	33.62 3.25 0.00	33.17 2.74 0.00	32.51 2.63 0.00	31.92 2.93 -0.01	31.77 3.02 -0.01	31.27 2.99 -0.01	30.06 2.83 -0.01	29.86 2.77 -0.95	30.45 2.77 -1.82	30.91 2.86 -0.02	34.10 3.16 -0.81	35.66 3.27 -2.15	37.84 3.68 -2.10	35.88 3.72 -0.37	31.81 2.72 -2.17	27.12 2.63 -0.99	24.40 2.46 -0.01
NYPA_GOWANUS____GT5 24156	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00



NYPA_GOWANUS____GT6 24157	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.64 0.86 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.41 2.04 0.00	32.71 2.28 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.70 1.96 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NYPA_HARLEM_RVR_GT1 24160	22.79 0.81 0.00	20.57 0.79 0.00	19.67 0.70 0.00	19.53 0.75 0.00	19.90 0.77 0.00	22.47 0.65 0.00	28.06 0.97 0.01	32.07 1.70 0.01	32.37 1.95 0.01	31.66 1.79 0.01	30.49 1.51 0.01	30.34 1.61 0.01	29.95 1.70 0.01	28.93 1.72 0.01	27.86 1.72 0.00	27.65 1.78 0.00	29.93 1.91 0.01	32.22 2.11 0.01	32.42 2.18 0.00	34.58 2.53 0.00	34.20 2.42 0.01	28.62 1.70 0.00	25.23 1.74 0.00	23.27 1.34 0.00
NYPA_HARLEM_RVR_GT2 24161	22.79 0.81 0.00	20.57 0.79 0.00	19.67 0.70 0.00	19.53 0.75 0.00	19.90 0.77 0.00	22.47 0.65 0.00	28.06 0.97 0.01	32.07 1.70 0.01	32.37 1.95 0.01	31.66 1.79 0.01	30.49 1.51 0.01	30.34 1.61 0.01	29.95 1.70 0.01	28.93 1.72 0.01	27.86 1.72 0.00	27.65 1.78 0.00	29.93 1.91 0.01	32.22 2.11 0.01	32.42 2.18 0.00	34.58 2.53 0.00	34.20 2.42 0.01	28.62 1.70 0.00	25.23 1.74 0.00	23.27 1.34 0.00
NYPA_KENT____GT 24152	22.93 0.94 0.00	20.64 0.87 0.00	19.75 0.78 0.00	19.62 0.85 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.38 2.00 0.00	32.68 2.25 0.00	31.97 2.09 0.00	30.79 1.80 0.00	30.64 1.90 0.00	30.24 1.98 0.00	29.21 1.99 0.00	28.15 2.01 0.00	27.91 2.04 0.00	30.24 2.21 0.00	32.59 2.47 0.00	32.78 2.54 0.00	34.94 2.89 0.00	34.59 2.80 0.00	28.92 1.99 0.00	25.37 1.88 0.00	23.42 1.49 0.00
NYPA_POUCHI____GT 24155	22.93 0.94 0.00	20.64 0.87 0.00	19.75 0.78 0.00	19.60 0.83 0.00	19.98 0.84 0.00	22.60 0.78 0.00	28.25 1.16 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.94 2.06 0.00	30.70 1.71 0.00	30.58 1.84 0.00	30.21 1.95 0.00	29.18 1.96 0.00	28.15 2.01 0.00	27.94 2.07 0.00	30.30 2.27 0.00	32.68 2.56 0.00	32.87 2.63 0.00	34.94 2.89 0.00	34.66 2.86 0.00	29.00 2.07 0.00	25.44 1.95 0.00	23.46 1.53 0.00
NYPA_VERNON____GT2 24162	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.62 0.85 0.00	19.98 0.84 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.35 1.97 0.00	32.65 2.22 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.21 1.95 0.00	29.15 1.93 0.00	28.10 1.96 0.00	27.86 1.99 0.00	30.19 2.16 0.00	32.50 2.38 0.00	32.66 2.42 0.00	34.87 2.82 0.00	34.49 2.70 0.00	28.84 1.91 0.00	25.30 1.81 0.00	23.38 1.45 0.00
NYPA_VERNON____GT3 24163	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.62 0.85 0.00	19.98 0.84 0.00	22.66 0.85 0.00	28.31 1.22 0.00	32.35 1.97 0.00	32.65 2.22 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.21 1.95 0.00	29.15 1.93 0.00	28.10 1.96 0.00	27.86 1.99 0.00	30.19 2.16 0.00	32.50 2.38 0.00	32.66 2.42 0.00	34.87 2.82 0.00	34.49 2.70 0.00	28.84 1.91 0.00	25.30 1.81 0.00	23.38 1.45 0.00
NYPA__ASTORIA_CC1 323568	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.29 1.91 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.55 1.81 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.78 1.86 0.00	25.28 1.78 0.00	23.35 1.42 0.00
NYPA__ASTORIA_CC2 323569	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.29 1.91 0.00	32.59 2.16 0.00	31.88 2.00 0.00	30.70 1.71 0.00	30.55 1.81 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.05 1.91 0.00	27.81 1.94 0.00	30.13 2.10 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.43 2.64 0.00	28.78 1.86 0.00	25.28 1.78 0.00	23.35 1.42 0.00
NYPA__HOLTSVILL 23794	22.88 0.90 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.14 2.76 0.00	32.52 2.10 0.00	31.85 1.97 0.00	31.29 2.29 -0.01	31.13 2.38 -0.01	30.71 2.43 -0.01	29.54 2.31 -0.01	29.34 2.25 -0.95	29.96 2.28 -1.82	30.63 2.47 -0.14	39.53 2.71 -6.70	44.43 2.78 -11.41	39.04 3.14 -3.85	38.76 3.24 -3.73	34.83 2.32 -5.58	26.69 2.21 -0.99	23.96 2.02 -0.01
NYPA____HELLGATE_GT1 24158	22.79 0.81 0.00	20.57 0.79 0.00	19.67 0.70 0.00	19.53 0.75 0.00	19.90 0.77 0.00	22.47 0.65 0.00	28.06 0.97 0.01	32.07 1.70 0.01	32.37 1.95 0.01	31.66 1.79 0.01	30.49 1.51 0.01	30.34 1.61 0.01	29.95 1.70 0.01	28.93 1.72 0.01	27.86 1.72 0.00	27.65 1.78 0.00	29.93 1.91 0.01	32.22 2.11 0.01	32.42 2.18 0.00	34.58 2.53 0.00	34.20 2.42 0.01	28.62 1.70 0.00	25.23 1.74 0.00	23.27 1.34 0.00
NYPA____HELLGATE_GT2 24159	22.79 0.81 0.00	20.57 0.79 0.00	19.67 0.70 0.00	19.53 0.75 0.00	19.90 0.77 0.00	22.47 0.65 0.00	28.06 0.97 0.01	32.07 1.70 0.01	32.37 1.95 0.01	31.66 1.79 0.01	30.49 1.51 0.01	30.34 1.61 0.01	29.95 1.70 0.01	28.93 1.72 0.01	27.86 1.72 0.00	27.65 1.78 0.00	29.93 1.91 0.01	32.22 2.11 0.01	32.42 2.18 0.00	34.58 2.53 0.00	34.20 2.42 0.01	28.62 1.70 0.00	25.23 1.74 0.00	23.27 1.34 0.00
NYS_BARGE__HYD 23848	21.74 -0.24 0.00	19.46 -0.32 0.00	18.63 -0.34 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.55 -0.26 0.00	26.41 -0.68 0.00	29.10 -1.27 0.00	29.39 -1.03 0.00	28.45 -1.43 0.00	27.51 -1.48 0.00	27.36 -1.38 0.00	26.79 -1.47 0.00	25.67 -1.55 0.00	24.54 -1.60 0.00	24.44 -1.42 0.00	25.98 -2.04 0.00	27.62 -2.50 0.00	27.88 -2.36 0.00	30.03 -2.02 0.00	29.95 -1.84 0.00	25.31 -1.61 0.00	21.99 -1.50 0.00	20.99 -0.94 0.00
OAK ORCHARD__HYD 24046	21.74 -0.24 0.00	19.48 -0.30 0.00	18.66 -0.30 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.51 -0.31 0.00	26.55 -0.54 0.00	29.58 -0.79 0.00	29.82 -0.61 0.00	28.95 -0.93 0.00	28.03 -0.96 0.00	27.82 -0.92 0.00	27.25 -1.02 0.00	26.18 -1.03 0.00	25.04 -1.10 0.00	24.88 -0.98 0.00	26.68 -1.34 0.00	28.55 -1.57 0.00	28.79 -1.45 0.00	30.80 -1.25 0.00	30.62 -1.18 0.00	25.82 -1.11 0.00	22.48 -1.01 0.00	21.23 -0.70 0.00
OAKDALE__35_KV_LOAD 356122	22.73 0.75 0.00	20.39 0.61 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.64 0.83 0.00	27.98 0.89 0.00	31.41 1.03 0.00	31.34 0.91 0.00	30.54 0.66 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.90 0.68 0.00	26.77 0.63 0.00	26.44 0.57 0.00	28.59 0.56 0.00	30.63 0.51 0.00	30.81 0.57 0.00	33.05 0.99 0.00	32.78 0.99 0.00	27.55 0.62 0.00	24.03 0.54 0.00	22.48 0.55 0.00



OCC_CHEM___DRP 24175	21.21 -0.77 0.00	19.00 -0.77 0.00	18.19 -0.78 0.00	17.99 -0.79 0.00	18.35 -0.78 0.00	21.03 -0.79 0.00	25.57 -1.52 0.00	28.28 -2.10 0.00	28.36 -2.07 0.00	26.92 -2.96 0.00	26.70 -2.29 0.00	26.41 -2.33 0.00	26.09 -2.18 0.00	25.01 -2.20 0.00	23.92 -2.22 0.00	23.59 -2.28 0.00	25.31 -2.72 0.00	26.78 -3.34 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.42 -2.50 0.00	21.38 -2.11 0.00	20.11 -1.82 0.00
OH_GEN_PROXY 24063	21.54 -0.44 0.00	19.28 -0.49 0.00	18.47 -0.49 0.00	18.29 -0.49 0.00	18.64 -0.50 0.00	21.38 -0.44 0.00	26.12 -0.97 0.00	28.76 -1.61 0.00	29.06 -1.37 0.00	28.15 -1.73 0.00	27.19 -1.80 0.00	27.04 -1.70 0.00	26.54 -1.73 0.00	25.48 -1.74 0.00	24.36 -1.78 0.00	24.24 -1.63 0.00	25.81 -2.21 0.00	27.44 -2.68 0.00	27.67 -2.57 0.00	29.84 -2.21 0.00	28.68 -2.07 1.05	26.20 -1.78 -1.05	21.85 -1.65 0.00	20.85 -1.07 0.00
OLIN_CORP_DRP 24177	21.45 -0.53 0.00	19.22 -0.55 0.00	18.40 -0.57 0.00	18.19 -0.58 0.00	18.56 -0.57 0.00	21.27 -0.55 0.00	25.87 -1.22 0.00	28.61 -1.76 0.00	28.69 -1.73 0.00	27.25 -2.63 0.00	27.02 -1.97 0.00	26.73 -2.01 0.00	26.40 -1.87 0.00	25.31 -1.91 0.00	24.18 -1.96 0.00	23.87 -1.99 0.00	25.62 -2.41 0.00	27.11 -3.01 0.00	27.46 -2.78 0.00	29.62 -2.44 0.00	29.50 -2.29 0.00	24.69 -2.23 0.00	21.61 -1.88 0.00	20.33 -1.60 0.00
OLIN_CORP_DSASP 323712	21.21 -0.77 0.00	19.00 -0.77 0.00	18.21 -0.76 0.00	18.00 -0.77 0.00	18.35 -0.79 0.00	21.03 -0.78 0.00	25.68 -1.41 0.00	28.28 -2.10 0.00	28.57 -1.86 0.00	27.67 -2.21 0.00	26.73 -2.26 0.00	26.61 -2.13 0.00	26.09 -2.18 0.00	25.02 -2.20 0.00	23.92 -2.22 0.00	23.82 -2.04 0.00	25.31 -2.72 0.00	26.90 -3.22 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.69 -2.23 0.00	21.45 -2.04 0.00	20.50 -1.43 0.00
ONEIDA_HERK_LFGE 323681	22.31 0.33 0.00	20.05 0.28 0.00	19.23 0.27 0.00	19.06 0.28 0.00	19.41 0.27 0.00	22.18 0.37 0.00	27.63 0.54 0.00	31.13 0.76 0.00	31.13 0.70 0.00	30.48 0.60 0.00	29.57 0.58 0.00	29.20 0.46 0.00	28.72 0.45 0.00	27.63 0.41 0.00	26.48 0.34 0.00	26.23 0.36 0.00	28.39 0.36 0.00	30.57 0.45 0.00	30.75 0.51 0.00	32.73 0.67 0.00	32.46 0.67 0.00	27.38 0.46 0.00	23.87 0.37 0.00	22.19 0.26 0.00
ONEIDA___115KV_TB4 55905	22.51 0.53 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.21 0.43 0.00	19.56 0.42 0.00	22.38 0.57 0.00	27.82 0.73 0.00	31.47 1.09 0.00	31.46 1.03 0.00	30.78 0.90 0.00	29.95 0.96 0.00	29.60 0.86 0.00	29.14 0.88 0.00	28.04 0.82 0.00	26.84 0.71 0.00	26.54 0.67 0.00	28.76 0.73 0.00	30.90 0.78 0.00	31.15 0.91 0.00	33.14 1.09 0.00	32.87 1.08 0.00	27.68 0.75 0.00	24.13 0.63 0.00	22.48 0.55 0.00
ONONDAGA_REF_OCCRA 23987	21.74 -0.24 0.00	19.56 -0.22 0.00	18.74 -0.23 0.00	18.49 -0.28 0.00	18.85 -0.29 0.00	21.53 -0.28 0.00	26.74 -0.35 0.00	30.07 -0.30 0.00	30.15 -0.27 0.00	29.37 -0.51 0.00	28.55 -0.43 0.00	28.31 -0.43 0.00	27.84 -0.42 0.00	26.76 -0.46 0.00	25.69 -0.44 0.00	25.37 -0.49 0.00	27.47 -0.56 0.00	29.52 -0.60 0.00	29.79 -0.45 0.00	31.67 -0.38 0.00	31.41 -0.38 0.00	26.44 -0.48 0.00	23.04 -0.45 0.00	21.53 -0.39 0.00
ONONDAGA___COGEN 23986	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00
ONTARIO___LFGE 23819	22.35 0.37 0.00	20.05 0.28 0.00	19.21 0.25 0.00	19.02 0.24 0.00	19.43 0.29 0.00	22.27 0.46 0.00	27.60 0.51 0.00	30.86 0.48 0.00	31.07 0.64 0.00	30.09 0.21 0.00	29.11 0.12 0.00	28.86 0.12 0.00	28.26 0.00 0.00	27.16 -0.05 0.00	26.06 -0.08 0.00	25.79 -0.08 0.00	27.83 -0.19 0.00	30.00 -0.12 0.00	30.21 -0.03 0.00	32.25 0.19 0.00	32.02 0.22 0.00	26.87 -0.05 0.00	23.35 -0.14 0.00	21.99 0.07 0.00
ORANGEVILLE_WT_PWR 323706	21.91 -0.07 0.00	19.60 -0.18 0.00	18.76 -0.21 0.00	18.57 -0.21 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.55 -0.54 0.00	29.16 -1.22 0.00	29.48 -0.94 0.00	28.48 -1.40 0.00	27.57 -1.42 0.00	27.42 -1.32 0.00	26.85 -1.41 0.00	25.70 -1.52 0.00	24.52 -1.62 0.00	24.39 -1.47 0.00	25.98 -2.04 0.00	27.53 -2.59 0.00	27.73 -2.51 0.00	29.78 -2.28 0.00	29.66 -2.13 0.00	24.99 -1.94 0.00	21.66 -1.83 0.00	20.68 -1.25 0.00
ORANGEVILLE___ESR 323794	21.91 -0.07 0.00	19.60 -0.18 0.00	18.76 -0.21 0.00	18.57 -0.21 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.55 -0.54 0.00	29.16 -1.22 0.00	29.48 -0.94 0.00	28.48 -1.40 0.00	27.57 -1.42 0.00	27.42 -1.32 0.00	26.85 -1.41 0.00	25.70 -1.52 0.00	24.52 -1.62 0.00	24.39 -1.47 0.00	25.98 -2.04 0.00	27.53 -2.59 0.00	27.73 -2.51 0.00	29.78 -2.28 0.00	29.66 -2.13 0.00	24.99 -1.94 0.00	21.66 -1.83 0.00	20.68 -1.25 0.00
OSWEGATCHIE___HYD 24044	21.48 -0.50 0.00	19.30 -0.47 0.00	18.51 -0.46 0.00	18.34 -0.43 0.00	18.68 -0.46 0.00	21.35 -0.46 0.00	26.52 -0.57 0.00	29.68 -0.70 0.00	29.57 -0.85 0.00	29.13 -0.75 0.00	28.27 -0.72 0.00	27.88 -0.86 0.00	27.33 -0.93 0.00	26.32 -0.90 0.00	25.25 -0.89 0.00	25.04 -0.83 0.00	27.10 -0.92 0.00	29.22 -0.90 0.00	29.30 -0.94 0.00	31.06 -0.99 0.00	30.77 -1.02 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.16 -0.77 0.00
OSWEGO___5 23606	21.43 -0.55 0.00	19.26 -0.51 0.00	18.47 -0.49 0.00	18.23 -0.55 0.00	18.58 -0.56 0.00	21.20 -0.61 0.00	26.30 -0.79 0.00	29.46 -0.91 0.00	29.57 -0.85 0.00	28.92 -0.96 0.00	28.03 -0.96 0.00	27.79 -0.95 0.00	27.30 -0.96 0.00	26.27 -0.95 0.00	25.22 -0.92 0.00	24.96 -0.91 0.00	26.99 -1.04 0.00	29.04 -1.08 0.00	29.21 -1.03 0.00	31.03 -1.03 0.00	30.77 -1.02 0.00	25.98 -0.94 0.00	22.67 -0.82 0.00	21.25 -0.68 0.00
OSWEGO___6 23613	21.43 -0.55 0.00	19.26 -0.51 0.00	18.47 -0.49 0.00	18.23 -0.55 0.00	18.58 -0.56 0.00	21.20 -0.61 0.00	26.30 -0.79 0.00	29.46 -0.91 0.00	29.57 -0.85 0.00	28.92 -0.96 0.00	28.03 -0.96 0.00	27.79 -0.95 0.00	27.30 -0.96 0.00	26.27 -0.95 0.00	25.22 -0.92 0.00	24.96 -0.91 0.00	26.99 -1.04 0.00	29.04 -1.08 0.00	29.21 -1.03 0.00	31.03 -1.03 0.00	30.77 -1.02 0.00	25.98 -0.94 0.00	22.67 -0.82 0.00	21.25 -0.68 0.00
OUTOKUMPU-AB___DRP 24206	21.87 -0.11 0.00	19.56 -0.22 0.00	18.72 -0.25 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.66 -0.15 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.33 -1.10 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.67 -1.46 0.00	24.34 -1.53 0.00	26.12 -1.91 0.00	27.65 -2.47 0.00	27.97 -2.27 0.00	30.19 -1.86 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.01 -1.48 0.00	20.68 -1.25 0.00



OXBOW___BTM 323836	21.54 -0.44 0.00	19.28 -0.49 0.00	18.47 -0.49 0.00	18.27 -0.51 0.00	18.62 -0.52 0.00	21.35 -0.46 0.00	26.12 -0.97 0.00	28.76 -1.61 0.00	29.09 -1.34 0.00	28.15 -1.73 0.00	27.22 -1.77 0.00	27.07 -1.67 0.00	26.54 -1.73 0.00	25.45 -1.77 0.00	24.31 -1.83 0.00	24.21 -1.66 0.00	25.73 -2.30 0.00	27.35 -2.77 0.00	27.58 -2.66 0.00	29.74 -2.31 0.00	29.66 -2.13 0.00	25.09 -1.83 0.00	21.78 -1.71 0.00	20.81 -1.12 0.00
OXBOW____ 24026	21.54 -0.44 0.00	19.28 -0.49 0.00	18.46 -0.51 0.00	18.25 -0.53 0.00	18.62 -0.52 0.00	21.36 -0.46 0.00	26.01 -1.08 0.00	28.76 -1.61 0.00	28.87 -1.55 0.00	27.43 -2.45 0.00	27.19 -1.80 0.00	26.90 -1.84 0.00	26.54 -1.72 0.00	25.45 -1.77 0.00	24.31 -1.83 0.00	24.00 -1.86 0.00	25.73 -2.30 0.00	27.23 -2.89 0.00	27.58 -2.66 0.00	29.74 -2.31 0.00	29.66 -2.13 0.00	24.83 -2.10 0.00	21.71 -1.79 0.00	20.39 -1.54 0.00
OXY_CHEM_DSASP 323612	21.21 -0.77 0.00	19.00 -0.77 0.00	18.19 -0.78 0.00	17.99 -0.79 0.00	18.35 -0.78 0.00	21.03 -0.79 0.00	25.57 -1.52 0.00	28.28 -2.10 0.00	28.36 -2.07 0.00	26.92 -2.96 0.00	26.70 -2.29 0.00	26.41 -2.33 0.00	26.09 -2.18 0.00	25.01 -2.20 0.00	23.92 -2.22 0.00	23.59 -2.28 0.00	25.31 -2.72 0.00	26.78 -3.34 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.42 -2.50 0.00	21.38 -2.11 0.00	20.11 -1.82 0.00
OZONE_PARK_ESR 323760	23.04 1.06 0.00	20.74 0.97 0.00	19.86 0.89 0.00	19.75 0.98 0.00	20.11 0.98 0.00	22.84 1.03 0.00	28.61 1.52 0.00	32.62 2.25 0.00	32.65 2.22 0.00	32.18 2.30 0.00	30.99 2.00 0.00	30.87 2.13 0.00	30.44 2.18 0.00	29.37 2.15 0.00	28.28 2.14 0.00	28.06 2.20 0.00	30.38 2.35 0.00	32.71 2.59 0.00	32.90 2.66 0.00	35.16 3.11 0.00	34.81 3.02 0.00	29.13 2.21 0.00	25.49 2.00 0.00	23.64 1.71 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	21.21 -0.77 0.00	19.00 -0.77 0.00	18.19 -0.78 0.00	17.99 -0.79 0.00	18.35 -0.78 0.00	21.03 -0.79 0.00	25.57 -1.52 0.00	28.28 -2.10 0.00	28.36 -2.07 0.00	26.92 -2.96 0.00	26.70 -2.29 0.00	26.41 -2.33 0.00	26.09 -2.18 0.00	25.01 -2.20 0.00	23.92 -2.22 0.00	23.59 -2.28 0.00	25.31 -2.72 0.00	26.78 -3.34 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.42 -2.50 0.00	21.38 -2.11 0.00	20.11 -1.82 0.00
PACKARD__115KV_DUPONT_184 80571	21.21 -0.77 0.00	19.00 -0.77 0.00	18.19 -0.78 0.00	17.99 -0.79 0.00	18.35 -0.78 0.00	21.03 -0.79 0.00	25.57 -1.52 0.00	28.28 -2.10 0.00	28.36 -2.07 0.00	26.92 -2.96 0.00	26.70 -2.29 0.00	26.41 -2.33 0.00	26.09 -2.18 0.00	25.01 -2.20 0.00	23.92 -2.22 0.00	23.59 -2.28 0.00	25.31 -2.72 0.00	26.78 -3.34 0.00	27.13 -3.11 0.00	29.26 -2.79 0.00	29.19 -2.61 0.00	24.42 -2.50 0.00	21.38 -2.11 0.00	20.11 -1.82 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.84 0.86 0.00	20.58 0.81 0.00	19.69 0.72 0.00	19.62 0.84 0.00	19.92 0.78 0.00	22.51 0.70 0.00	28.17 1.08 0.00	32.14 1.76 0.00	32.16 1.73 0.00	31.73 1.85 0.00	30.56 1.57 0.00	30.46 1.72 0.00	30.02 1.75 0.00	28.99 1.77 0.00	27.94 1.80 0.00	27.75 1.89 0.00	30.02 1.99 0.00	32.29 2.17 0.00	32.51 2.27 0.00	34.68 2.63 0.00	34.30 2.51 0.00	28.78 1.86 0.00	25.30 1.81 0.00	23.49 1.56 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.68 0.90 0.00	19.98 0.84 0.00	22.58 0.76 0.00	28.25 1.16 0.00	32.20 1.82 0.00	32.19 1.76 0.00	31.76 1.88 0.00	30.56 1.57 0.00	30.49 1.75 0.00	30.07 1.81 0.00	29.02 1.80 0.00	27.97 1.83 0.00	27.78 1.91 0.00	30.02 1.99 0.00	32.32 2.20 0.00	32.54 2.30 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.92 1.99 0.00	25.44 1.95 0.00	23.64 1.71 0.00
PATROON__115KV_TB1 80586	22.55 0.57 0.00	20.33 0.55 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.73 0.59 0.00	22.47 0.65 0.00	27.88 0.79 0.00	31.59 1.21 0.00	31.43 1.00 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	27.00 0.86 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.36 1.12 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.90 0.97 0.00	24.38 0.89 0.00	22.78 0.86 0.00
PATTRSNVILLE__SOLAR 323815	22.57 0.59 0.00	20.31 0.53 0.00	19.50 0.53 0.00	19.34 0.56 0.00	19.73 0.59 0.00	22.51 0.70 0.00	28.04 0.95 0.00	31.59 1.22 0.00	31.58 1.16 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.60 0.86 0.00	29.14 0.88 0.00	28.06 0.84 0.00	26.95 0.81 0.00	26.67 0.80 0.00	28.95 0.92 0.00	31.17 1.05 0.00	31.33 1.09 0.00	33.43 1.38 0.00	33.23 1.43 0.00	27.89 0.97 0.00	24.38 0.89 0.00	22.72 0.79 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	22.55 0.57 0.00	20.15 0.38 0.00	19.29 0.32 0.00	19.11 0.34 0.00	19.50 0.36 0.00	22.40 0.59 0.00	27.33 0.24 0.00	30.13 -0.24 0.00	30.18 -0.24 0.00	28.80 -1.08 0.00	28.50 -0.49 0.00	28.22 -0.52 0.00	27.81 -0.45 0.00	26.65 -0.57 0.00	25.49 -0.65 0.00	25.14 -0.72 0.00	26.99 -1.04 0.00	28.62 -1.51 0.00	28.88 -1.36 0.00	31.22 -0.83 0.00	31.09 -0.70 0.00	26.01 -0.92 0.00	22.67 -0.82 0.00	21.38 -0.55 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.99 1.01 0.00	20.68 0.91 0.00	19.82 0.85 0.00	19.69 0.92 0.00	20.04 0.90 0.00	22.80 0.98 0.00	28.61 1.52 0.00	32.50 2.13 0.00	32.37 1.95 0.00	31.88 2.00 0.00	30.82 1.83 0.00	30.67 1.93 0.00	30.16 1.89 0.00	29.04 1.82 0.00	27.94 1.80 0.00	27.70 1.84 0.00	29.96 1.93 0.00	32.29 2.17 0.00	32.45 2.21 0.00	34.65 2.60 0.00	34.37 2.58 0.00	28.76 1.83 0.00	25.09 1.60 0.00	23.33 1.40 0.00
PEEKSKILL____ 23653	22.75 0.77 0.00	20.48 0.71 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.64 0.83 0.00	28.25 1.16 0.00	32.20 1.82 0.00	32.38 1.95 0.00	31.64 1.76 0.00	30.55 1.56 0.00	30.38 1.64 0.00	29.96 1.70 0.00	28.91 1.69 0.00	27.81 1.67 0.00	27.55 1.68 0.00	29.88 1.85 0.00	32.17 2.05 0.00	32.33 2.08 0.00	34.52 2.47 0.00	34.21 2.42 0.00	28.60 1.67 0.00	25.02 1.53 0.00	23.22 1.29 0.00
PGE MADISON__WINDPWR 24146	23.83 1.85 0.00	21.37 1.60 0.00	20.50 1.54 0.00	20.33 1.56 0.00	20.67 1.53 0.00	23.73 1.92 0.00	29.58 2.49 0.00	33.56 3.19 0.00	33.53 3.11 0.00	32.54 2.66 0.00	31.51 2.52 0.00	31.16 2.41 0.00	30.64 2.37 0.00	29.40 2.18 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.66 2.42 0.00	35.00 2.95 0.00	34.72 2.92 0.00	29.05 2.13 0.00	25.28 1.78 0.00	23.59 1.67 0.00
PIERCEFIELD__HYD 23852	21.28 -0.70 0.00	19.12 -0.65 0.00	18.34 -0.63 0.00	18.19 -0.58 0.00	18.53 -0.61 0.00	21.16 -0.65 0.00	26.25 -0.84 0.00	29.28 -1.09 0.00	29.42 -1.00 0.00	29.13 -0.75 0.00	28.18 -0.81 0.00	27.85 -0.89 0.00	27.30 -0.96 0.00	26.29 -0.93 0.00	25.22 -0.91 0.00	25.01 -0.85 0.00	27.07 -0.95 0.00	29.16 -0.96 0.00	29.09 -1.15 0.00	30.61 -1.44 0.00	30.30 -1.49 0.00	25.93 -1.00 0.00	22.55 -0.94 0.00	20.96 -0.96 0.00



PINELAWN_CC_1 323563	22.93 0.94 0.00	20.68 0.91 0.00	19.73 0.76 0.00	19.58 0.81 0.00	20.25 1.11 0.00	23.01 1.20 0.00	29.20 2.11 0.00	33.11 2.73 0.00	32.71 2.28 0.00	32.00 2.12 0.00	31.40 2.40 -0.01	31.25 2.50 -0.01	30.79 2.51 -0.01	29.60 2.37 -0.01	29.42 2.33 -0.95	30.01 2.33 -1.82	30.57 2.52 -0.02	33.36 2.80 -0.44	34.71 2.90 -1.57	37.34 3.30 -1.99	35.32 3.37 -0.16	31.27 2.40 -1.95	26.76 2.28 -0.99	24.04 2.11 -0.01
PJM_GEN_HTP_PROXY 323702	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.62 2.19 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.12 1.90 0.00	28.05 1.91 0.00	27.78 1.91 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	33.38 2.64 1.05	29.81 1.83 -1.05	25.21 1.71 0.00	23.33 1.40 0.00
PJM_GEN_KEystone 24065	22.42 0.44 0.00	20.13 0.36 0.00	19.27 0.30 0.00	19.13 0.36 0.00	19.52 0.38 0.00	22.29 0.48 0.00	27.55 0.46 0.00	30.89 0.52 0.00	31.09 0.67 0.00	30.24 0.36 0.00	29.25 0.26 0.00	29.06 0.32 0.00	28.61 0.34 0.00	27.52 0.30 0.00	26.43 0.29 0.00	26.18 0.31 0.00	28.22 0.20 0.00	30.27 0.15 0.00	30.39 0.15 0.00	32.66 0.61 0.00	31.38 0.64 1.05	28.27 0.30 -1.05	23.75 0.26 0.00	22.39 0.46 0.00
PJM_GEN_NEPTUNE_PROXY 323594	22.64 0.66 0.00	20.41 0.63 0.00	19.48 0.51 0.00	19.34 0.56 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.77 1.68 0.00	32.56 2.19 0.00	32.25 1.83 0.00	31.55 1.67 0.00	30.94 1.94 -0.01	30.79 2.04 -0.01	30.34 2.06 -0.01	29.16 1.93 -0.01	28.97 1.88 -0.95	29.57 1.89 -1.82	30.14 2.10 -0.01	32.63 2.32 -0.19	33.80 2.39 -1.17	36.69 2.72 -1.91	33.58 2.83 1.04	31.74 1.96 -2.85	26.34 1.86 -0.99	23.67 1.73 -0.01
PJM_GEN_VFT_PROXY 323633	22.73 0.75 0.00	20.51 0.73 0.00	19.65 0.68 0.00	19.54 0.77 0.00	19.90 0.77 0.00	22.58 0.76 0.00	28.17 1.08 0.00	32.20 1.82 0.00	32.47 2.04 0.00	31.76 1.88 0.00	30.61 1.62 0.00	30.46 1.72 0.00	30.05 1.78 0.00	28.99 1.77 0.00	27.92 1.78 0.00	27.68 1.81 0.00	29.99 1.96 0.00	32.26 2.14 0.00	32.45 2.21 0.00	34.65 2.60 0.00	33.25 2.51 1.05	29.70 1.72 -1.05	25.11 1.62 0.00	23.24 1.32 0.00
PLATSBURG_115KV_PMLD1 355749	22.77 0.79 0.00	20.47 0.69 0.00	19.63 0.66 0.00	19.45 0.68 0.00	19.81 0.67 0.00	22.62 0.81 0.00	27.50 0.41 0.00	30.65 0.27 0.00	30.79 0.37 0.00	31.08 1.20 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.58 0.44 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.72 0.60 0.00	30.57 0.33 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.23 -0.26 0.00	21.60 -0.33 0.00
PLEASANTVLY__LBMP 24000	22.62 0.64 0.00	20.37 0.59 0.00	19.54 0.57 0.00	19.39 0.62 0.00	19.77 0.63 0.00	22.49 0.68 0.00	28.01 0.92 0.00	31.83 1.46 0.00	31.73 1.31 0.00	31.19 1.31 0.00	30.18 1.19 0.00	30.01 1.26 0.00	29.54 1.27 0.00	28.47 1.25 0.00	27.39 1.25 0.00	27.13 1.27 0.00	29.43 1.40 0.00	31.69 1.57 0.00	31.87 1.63 0.00	34.01 1.96 0.00	33.70 1.91 0.00	28.27 1.35 0.00	24.69 1.20 0.00	23.03 1.10 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	22.79 0.81 0.00	20.53 0.75 0.00	19.67 0.70 0.00	19.54 0.77 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.20 1.82 0.00	32.13 1.70 0.00	31.64 1.76 0.00	30.58 1.59 0.00	30.44 1.70 0.00	29.96 1.70 0.00	28.88 1.66 0.00	27.79 1.65 0.00	27.57 1.71 0.00	29.85 1.82 0.00	32.14 2.02 0.00	32.33 2.09 0.00	34.52 2.47 0.00	34.24 2.45 0.00	28.65 1.72 0.00	25.04 1.55 0.00	23.29 1.36 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.79 0.81 0.00	20.53 0.75 0.00	19.67 0.70 0.00	19.54 0.77 0.00	19.92 0.78 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.20 1.82 0.00	32.13 1.70 0.00	31.64 1.76 0.00	30.58 1.59 0.00	30.44 1.70 0.00	29.96 1.70 0.00	28.88 1.66 0.00	27.79 1.65 0.00	27.57 1.71 0.00	29.85 1.82 0.00	32.14 2.02 0.00	32.33 2.09 0.00	34.52 2.47 0.00	34.24 2.45 0.00	28.65 1.72 0.00	25.04 1.55 0.00	23.29 1.36 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	23.01 1.03 0.00	20.68 0.91 0.00	19.82 0.85 0.00	19.69 0.92 0.00	20.08 0.94 0.00	22.86 1.05 0.00	28.63 1.54 0.00	32.47 2.10 0.00	32.34 1.92 0.00	31.79 1.91 0.00	30.70 1.71 0.00	30.52 1.78 0.00	30.02 1.75 0.00	28.91 1.69 0.00	27.84 1.70 0.00	27.47 1.60 0.00	29.71 1.68 0.00	32.08 1.96 0.00	32.27 2.03 0.00	34.42 2.37 0.00	34.11 2.32 0.00	28.57 1.64 0.00	24.92 1.43 0.00	23.22 1.29 0.00
POLETTI____ 23519	22.82 0.84 0.00	20.54 0.77 0.00	19.69 0.72 0.00	19.58 0.81 0.00	19.94 0.80 0.00	22.64 0.83 0.00	28.31 1.22 0.00	32.26 1.88 0.00	32.28 1.86 0.00	31.82 1.94 0.00	30.67 1.68 0.00	30.55 1.81 0.00	30.10 1.84 0.00	29.04 1.82 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.04 2.02 0.00	32.32 2.20 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.40 2.61 0.00	28.78 1.86 0.00	25.21 1.71 0.00	23.40 1.47 0.00
POMONA__ESR 323819	22.75 0.77 0.00	20.48 0.71 0.00	19.59 0.63 0.00	19.47 0.70 0.00	19.87 0.73 0.00	22.60 0.78 0.00	28.15 1.06 0.00	32.01 1.64 0.00	32.19 1.76 0.00	31.46 1.58 0.00	30.38 1.39 0.00	30.21 1.46 0.00	29.76 1.50 0.00	28.72 1.50 0.00	27.63 1.49 0.00	27.31 1.45 0.00	29.62 1.60 0.00	31.90 1.78 0.00	32.02 1.78 0.00	34.26 2.21 0.00	33.92 2.13 0.00	28.41 1.48 0.00	24.85 1.36 0.00	23.09 1.16 0.00
PORT_JEFF_3 23555	22.97 0.99 0.00	20.74 0.97 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.32 1.19 0.00	23.08 1.26 0.00	29.31 2.22 0.00	33.29 2.92 0.00	32.59 2.16 0.00	31.94 2.06 0.00	31.38 2.38 -0.01	31.22 2.47 -0.01	30.85 2.57 -0.01	29.68 2.45 -0.01	29.49 2.40 -0.95	30.09 2.41 -1.82	30.80 2.63 -0.14	39.88 2.89 -6.86	44.90 2.99 -11.67	39.31 3.36 -3.90	39.05 3.43 -3.82	35.11 2.50 -5.68	26.81 2.33 -0.99	24.04 2.11 -0.01
PORT_JEFF_4 23616	22.97 0.99 0.00	20.74 0.97 0.00	19.78 0.82 0.00	19.64 0.86 0.00	20.32 1.19 0.00	23.08 1.26 0.00	29.31 2.22 0.00	33.29 2.92 0.00	32.59 2.16 0.00	31.94 2.06 0.00	31.38 2.38 -0.01	31.22 2.47 -0.01	30.85 2.57 -0.01	29.68 2.45 -0.01	29.49 2.40 -0.95	30.09 2.41 -1.82	30.80 2.63 -0.14	39.88 2.89 -6.86	44.90 2.99 -11.67	39.31 3.36 -3.90	39.05 3.43 -3.82	35.11 2.50 -5.68	26.81 2.33 -0.99	24.04 2.11 -0.01
PORT_JEFF_IC 23713	22.97 0.99 0.00	20.74 0.97 0.00	19.86 0.89 0.00	19.64 0.86 0.00	20.32 1.19 0.00	23.10 1.29 0.00	29.47 2.38 0.00	33.29 2.92 0.00	31.89 1.46 0.00	32.27 2.39 0.00	31.40 2.41 0.00	31.24 2.50 0.00	30.87 2.60 0.00	29.67 2.45 0.00	29.50 2.40 -0.95	30.14 2.46 -1.82	30.86 2.69 -0.14	40.20 2.92 -7.16	45.43 3.05 -12.13	39.47 3.43 -3.98	39.24 3.47 -3.98	35.36 2.58 -5.85	26.83 2.35 -0.99	24.08 2.15 0.00



PPL PILGRIM_ST_GT1 24216	23.21 1.23 0.00	20.92 1.15 0.00	19.95 0.99 0.00	19.81 1.03 0.00	20.52 1.38 0.00	23.30 1.48 0.00	29.61 2.52 0.00	33.62 3.25 0.00	33.17 2.74 0.00	32.51 2.63 0.00	31.92 2.93 -0.01	31.77 3.02 -0.01	31.27 2.99 -0.01	30.06 2.83 -0.01	29.86 2.77 -0.95	30.45 2.77 -1.82	30.91 2.86 -0.02	34.10 3.16 -0.81	35.66 3.27 -2.15	37.84 3.68 -2.10	35.88 3.72 -0.37	31.81 2.72 -2.17	27.12 2.63 -0.99	24.40 2.46 -0.01
PPL PILGRIM_ST_GT2 24217	23.21 1.23 0.00	20.92 1.15 0.00	19.95 0.99 0.00	19.81 1.03 0.00	20.52 1.38 0.00	23.30 1.48 0.00	29.61 2.52 0.00	33.62 3.25 0.00	33.17 2.74 0.00	32.51 2.63 0.00	31.92 2.93 -0.01	31.77 3.02 -0.01	31.27 2.99 -0.01	30.06 2.83 -0.01	29.86 2.77 -0.95	30.45 2.77 -1.82	30.91 2.86 -0.02	34.10 3.16 -0.81	35.66 3.27 -2.15	37.84 3.68 -2.10	35.88 3.72 -0.37	31.81 2.72 -2.17	27.12 2.63 -0.99	24.40 2.46 -0.01
PPL_SHRM_GT3 24213	22.82 0.84 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.22 1.79 0.00	31.58 1.70 0.00	31.06 2.06 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.30 2.07 -0.01	29.13 2.04 -0.95	29.76 2.07 -1.82	30.72 2.55 -0.14	39.67 2.80 -6.75	44.60 2.87 -11.49	39.09 3.17 -3.86	38.88 3.34 -3.75	35.04 2.50 -5.61	26.60 2.12 -0.99	23.74 1.80 -0.01
PPL_SHRM_GT4 24214	22.82 0.84 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.22 1.79 0.00	31.58 1.70 0.00	31.06 2.06 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.30 2.07 -0.01	29.13 2.04 -0.95	29.76 2.07 -1.82	30.72 2.55 -0.14	39.67 2.80 -6.75	44.60 2.87 -11.49	39.09 3.17 -3.86	38.88 3.34 -3.75	35.04 2.50 -5.61	26.60 2.12 -0.99	23.74 1.80 -0.01
PROJECT___ORANGE 1 24174	21.63 -0.35 0.00	19.44 -0.34 0.00	18.65 -0.32 0.00	18.38 -0.39 0.00	18.76 -0.38 0.00	21.40 -0.41 0.00	26.58 -0.51 0.00	29.86 -0.52 0.00	29.94 -0.49 0.00	29.16 -0.72 0.00	28.38 -0.61 0.00	28.11 -0.63 0.00	27.64 -0.62 0.00	26.59 -0.63 0.00	25.51 -0.63 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.28 -0.84 0.00	29.54 -0.70 0.00	31.41 -0.64 0.00	31.16 -0.64 0.00	26.23 -0.70 0.00	22.88 -0.61 0.00	21.40 -0.53 0.00
PROJECT___ORANGE 2 24166	21.63 -0.35 0.00	19.44 -0.34 0.00	18.65 -0.32 0.00	18.38 -0.39 0.00	18.76 -0.38 0.00	21.40 -0.41 0.00	26.58 -0.51 0.00	29.86 -0.52 0.00	29.94 -0.49 0.00	29.16 -0.72 0.00	28.38 -0.61 0.00	28.11 -0.63 0.00	27.64 -0.62 0.00	26.59 -0.63 0.00	25.51 -0.63 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.28 -0.84 0.00	29.54 -0.70 0.00	31.41 -0.64 0.00	31.16 -0.64 0.00	26.23 -0.70 0.00	22.88 -0.61 0.00	21.40 -0.53 0.00
PUCKETT___SOLAR 323809	23.04 1.06 0.00	20.66 0.89 0.00	19.82 0.85 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.97 1.16 0.00	28.47 1.38 0.00	32.01 1.64 0.00	32.16 1.73 0.00	31.26 1.38 0.00	30.26 1.27 0.00	30.00 1.26 0.00	29.48 1.21 0.00	28.36 1.14 0.00	27.19 1.05 0.00	26.87 1.01 0.00	29.06 1.04 0.00	31.27 1.14 0.00	31.42 1.18 0.00	33.69 1.63 0.00	33.38 1.59 0.00	28.06 1.13 0.00	24.43 0.94 0.00	22.96 1.03 0.00
PYRITES___HYD 24023	21.69 -0.29 0.00	19.50 -0.28 0.00	18.72 -0.25 0.00	18.57 -0.21 0.00	18.91 -0.23 0.00	21.64 -0.17 0.00	26.87 -0.22 0.00	30.07 -0.30 0.00	30.18 -0.24 0.00	29.85 -0.03 0.00	28.96 -0.03 0.00	28.60 -0.14 0.00	28.04 -0.23 0.00	27.00 -0.22 0.00	25.90 -0.24 0.00	25.63 -0.23 0.00	27.69 -0.34 0.00	29.79 -0.33 0.00	29.76 -0.48 0.00	31.32 -0.74 0.00	31.03 -0.76 0.00	26.55 -0.38 0.00	23.07 -0.42 0.00	21.42 -0.50 0.00
QUAKERRD_115KV_BK1 80622	21.17 -0.81 0.00	18.98 -0.79 0.00	18.19 -0.78 0.00	17.95 -0.83 0.00	18.32 -0.82 0.00	20.96 -0.85 0.00	25.84 -1.25 0.00	28.82 -1.55 0.00	28.91 -1.52 0.00	27.88 -2.00 0.00	27.34 -1.65 0.00	27.04 -1.70 0.00	26.57 -1.70 0.00	25.53 -1.69 0.00	24.44 -1.70 0.00	24.18 -1.68 0.00	26.09 -1.93 0.00	27.89 -2.23 0.00	28.18 -2.06 0.00	30.07 -1.99 0.00	29.89 -1.91 0.00	25.07 -1.86 0.00	21.92 -1.57 0.00	20.48 -1.45 0.00
QUENSBRY_115KV_TB8 356137	22.62 0.64 0.00	20.31 0.53 0.00	19.52 0.55 0.00	19.36 0.58 0.00	19.79 0.65 0.00	22.60 0.79 0.00	28.25 1.16 0.00	31.92 1.55 0.00	31.73 1.31 0.00	31.08 1.20 0.00	30.24 1.25 0.00	29.92 1.18 0.00	29.48 1.22 0.00	28.31 1.09 0.00	27.16 1.02 0.00	26.82 0.96 0.00	29.18 1.15 0.00	31.33 1.20 0.00	31.48 1.24 0.00	33.69 1.63 0.00	33.51 1.72 0.00	28.08 1.16 0.00	24.50 1.01 0.00	22.81 0.88 0.00
RAMAPO___LBMP 323565	22.68 0.70 0.00	20.43 0.65 0.00	19.54 0.57 0.00	19.41 0.64 0.00	19.79 0.65 0.00	22.51 0.70 0.00	28.09 1.00 0.00	31.86 1.49 0.00	31.80 1.37 0.00	31.31 1.43 0.00	30.27 1.28 0.00	30.09 1.35 0.00	29.62 1.36 0.00	28.58 1.36 0.00	27.50 1.36 0.00	27.24 1.37 0.00	29.48 1.46 0.00	31.75 1.63 0.00	31.87 1.63 0.00	34.10 2.05 0.00	33.80 2.00 0.00	28.33 1.40 0.00	24.76 1.27 0.00	23.03 1.10 0.00
RANKINE____ 23646	22.20 0.22 0.00	19.85 0.08 0.00	19.01 0.04 0.00	18.81 0.04 0.00	19.18 0.04 0.00	22.01 0.20 0.00	26.85 -0.24 0.00	29.64 -0.73 0.00	29.73 -0.70 0.00	28.30 -1.58 0.00	28.03 -0.96 0.00	27.73 -1.01 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.70 -1.16 0.00	26.51 -1.51 0.00	28.07 -2.05 0.00	28.37 -1.87 0.00	30.61 -1.44 0.00	30.49 -1.30 0.00	25.53 -1.40 0.00	22.27 -1.22 0.00	20.94 -0.99 0.00
RAVENSWOOD_GT2_1 24244	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.23 1.74 0.00	23.42 1.49 0.00
RAVENSWOOD_GT2_2 24245	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.23 1.74 0.00	23.42 1.49 0.00
RAVENSWOOD_GT2_3 24246	22.86 0.88 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.46 2.67 0.00	28.84 1.91 0.00	25.23 1.74 0.00	23.42 1.49 0.00



RAVENSWOOD_GT2_4 24247	22.86 0.88 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.88 2.00 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.46 2.67 0.00	28.84 1.91 0.00	25.23 1.74 0.00	23.42 1.49 0.00
RAVENSWOOD_GT3_1 24248	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.23 1.74 0.00	23.42 1.49 0.00
RAVENSWOOD_GT3_2 24249	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.66 0.85 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.23 1.74 0.00	23.42 1.49 0.00
RAVENSWOOD_GT3_3 24250	22.88 0.90 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.39 1.30 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.91 2.03 0.00	30.76 1.77 0.00	30.64 1.90 0.00	30.19 1.92 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.83 1.97 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.50 2.70 0.00	28.87 1.94 0.00	25.25 1.76 0.00	23.44 1.51 0.00
RAVENSWOOD_GT3_4 24251	22.88 0.90 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.39 1.30 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.91 2.03 0.00	30.76 1.77 0.00	30.64 1.90 0.00	30.19 1.92 0.00	29.12 1.91 0.00	28.05 1.91 0.00	27.83 1.97 0.00	30.13 2.10 0.00	32.41 2.29 0.00	32.60 2.36 0.00	34.81 2.76 0.00	34.50 2.70 0.00	28.87 1.94 0.00	25.25 1.76 0.00	23.44 1.51 0.00
RAVENSWOOD_GT_1 23729	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.64 0.86 0.00	19.98 0.84 0.00	22.66 0.85 0.00	28.36 1.27 0.00	32.35 1.97 0.00	32.37 1.95 0.00	31.94 2.06 0.00	30.76 1.77 0.00	30.64 1.90 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.10 1.96 0.00	27.88 2.02 0.00	30.18 2.16 0.00	32.47 2.35 0.00	32.66 2.42 0.00	34.87 2.82 0.00	34.53 2.73 0.00	28.92 1.99 0.00	25.32 1.83 0.00	23.51 1.58 0.00
RAVENSWOOD_GT_10 24258	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.42 1.49 0.00
RAVENSWOOD_GT_11 24259	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.42 1.49 0.00
RAVENSWOOD_GT_4 24252	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.07 1.85 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.40 1.47 0.00
RAVENSWOOD_GT_5 24254	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.07 1.85 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.40 1.47 0.00
RAVENSWOOD_GT_6 24253	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.07 1.85 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.40 1.47 0.00
RAVENSWOOD_GT_7 24255	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.16 1.89 0.00	29.07 1.85 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.74 2.69 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.40 1.47 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.42 1.49 0.00
RAVENSWOOD_GT_9 24257	22.84 0.86 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.36 1.27 0.00	32.32 1.94 0.00	32.31 1.89 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.81 1.94 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.81 1.88 0.00	25.21 1.71 0.00	23.42 1.49 0.00
RAVENSWOOD___1 23533	22.88 0.90 0.00	20.62 0.85 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.98 0.84 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.62 2.19 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.19 1.92 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.16 2.13 0.00	32.50 2.38 0.00	32.66 2.42 0.00	34.84 2.79 0.00	34.49 2.70 0.00	28.81 1.88 0.00	25.30 1.81 0.00	23.38 1.45 0.00



RAVENSWOOD___2 23534	22.88 0.90 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.98 0.84 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.62 2.19 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.19 1.92 0.00	29.12 1.90 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.16 2.13 0.00	32.47 2.35 0.00	32.66 2.42 0.00	34.84 2.79 0.00	34.46 2.67 0.00	28.81 1.88 0.00	25.28 1.78 0.00	23.35 1.42 0.00
RAVENSWOOD___3 23535	22.86 0.88 0.00	20.58 0.81 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.69 0.87 0.00	28.31 1.22 0.00	32.32 1.95 0.00	32.59 2.16 0.00	31.85 1.97 0.00	30.73 1.74 0.00	30.55 1.81 0.00	30.16 1.89 0.00	29.10 1.88 0.00	28.02 1.88 0.00	27.75 1.89 0.00	30.07 2.04 0.00	32.38 2.26 0.00	32.57 2.33 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.76 1.83 0.00	25.21 1.71 0.00	23.33 1.40 0.00
RAVENSWOOD___4 23820	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.60 0.83 0.00	19.96 0.82 0.00	22.64 0.83 0.00	28.28 1.19 0.00	32.32 1.95 0.00	32.62 2.19 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.58 1.84 0.00	30.19 1.92 0.00	29.12 1.90 0.00	28.07 1.93 0.00	27.83 1.96 0.00	30.16 2.13 0.00	32.47 2.35 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.81 1.88 0.00	25.28 1.78 0.00	23.35 1.42 0.00
RCPI_TRUST___DRP 24196	22.86 0.88 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.39 1.30 0.00	32.38 2.00 0.00	32.40 1.98 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.41 2.29 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.50 2.70 0.00	28.87 1.94 0.00	25.25 1.76 0.00	23.44 1.51 0.00
RED___ROCHESTER 323720	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.18 0.00	26.71 -0.38 0.00	29.73 -0.64 0.00	30.00 -0.43 0.00	29.16 -0.72 0.00	28.21 -0.78 0.00	28.02 -0.72 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	25.04 -0.83 0.00	26.82 -1.20 0.00	28.74 -1.39 0.00	28.97 -1.27 0.00	31.00 -1.06 0.00	30.81 -0.99 0.00	25.96 -0.97 0.00	22.60 -0.89 0.00	21.31 -0.61 0.00
REGAN___SOLAR 323812	23.76 1.78 0.00	21.30 1.52 0.00	20.47 1.50 0.00	20.33 1.56 0.00	20.82 1.68 0.00	23.89 2.07 0.00	29.96 2.87 0.00	33.47 3.10 0.00	33.29 2.86 0.00	32.21 2.33 0.00	31.31 2.32 0.00	30.98 2.24 0.00	30.50 2.23 0.00	29.29 2.07 0.00	28.07 1.93 0.00	27.81 1.94 0.00	30.24 2.21 0.00	32.71 2.59 0.00	32.90 2.66 0.00	35.39 3.33 0.00	35.32 3.53 0.00	29.49 2.56 0.00	25.82 2.33 0.00	23.94 2.02 0.00
RENSSELAER___COGEN 23796	22.44 0.46 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.26 0.49 0.00	19.63 0.50 0.00	22.34 0.52 0.00	27.71 0.62 0.00	31.37 1.00 0.00	31.37 0.94 0.00	30.60 0.72 0.00	29.68 0.69 0.00	29.43 0.69 0.00	28.97 0.71 0.00	27.90 0.68 0.00	26.82 0.68 0.00	26.51 0.65 0.00	28.84 0.81 0.00	31.02 0.90 0.00	31.18 0.94 0.00	33.24 1.19 0.00	32.97 1.18 0.00	27.71 0.78 0.00	24.24 0.75 0.00	22.59 0.66 0.00
REPUBLIC_115KV_BARTNBRK 55605	23.28 1.30 0.00	20.82 1.05 0.00	20.05 1.08 0.00	19.90 1.13 0.00	20.38 1.24 0.00	23.34 1.53 0.00	29.28 2.19 0.00	33.11 2.73 0.00	32.74 2.31 0.00	31.94 2.06 0.00	31.16 2.17 0.00	30.84 2.10 0.00	30.38 2.12 0.00	29.10 1.88 0.00	27.86 1.73 0.00	27.47 1.60 0.00	29.88 1.85 0.00	32.11 1.99 0.00	32.24 2.00 0.00	34.65 2.60 0.00	34.59 2.80 0.00	28.89 1.97 0.00	25.23 1.74 0.00	23.44 1.51 0.00
REVERE_CPPR_DRP 24186	22.66 0.68 0.00	20.37 0.59 0.00	19.56 0.59 0.00	19.34 0.56 0.00	19.69 0.56 0.00	22.53 0.72 0.00	28.04 0.95 0.00	31.77 1.40 0.00	31.77 1.34 0.00	31.05 1.17 0.00	30.24 1.25 0.00	29.86 1.12 0.00	29.42 1.16 0.00	28.28 1.06 0.00	27.05 0.91 0.00	26.77 0.91 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.42 1.18 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.95 1.02 0.00	24.34 0.85 0.00	22.65 0.72 0.00
REYNOLDS_115KV_TB3 80639	22.46 0.48 0.00	20.23 0.45 0.00	19.42 0.46 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.36 0.55 0.00	27.74 0.65 0.00	31.44 1.06 0.00	31.25 0.82 0.00	30.66 0.78 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.95 0.73 0.00	26.84 0.71 0.00	26.56 0.70 0.00	28.90 0.87 0.00	31.09 0.96 0.00	31.27 1.03 0.00	33.30 1.25 0.00	33.03 1.24 0.00	27.79 0.86 0.00	24.29 0.80 0.00	22.70 0.77 0.00
RIVERBAY____ 323610	22.88 0.90 0.00	20.62 0.85 0.00	19.75 0.78 0.00	19.68 0.90 0.00	19.98 0.84 0.00	22.58 0.76 0.00	28.25 1.16 0.00	32.20 1.82 0.00	32.19 1.76 0.00	31.76 1.88 0.00	30.56 1.57 0.00	30.49 1.75 0.00	30.07 1.81 0.00	29.02 1.80 0.00	27.97 1.83 0.00	27.78 1.91 0.00	30.02 1.99 0.00	32.32 2.20 0.00	32.54 2.30 0.00	34.78 2.72 0.00	34.43 2.64 0.00	28.92 1.99 0.00	25.44 1.95 0.00	23.64 1.71 0.00
RIVERSDE_115KV_TB3 55908	22.49 0.51 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.30 0.53 0.00	19.67 0.54 0.00	22.38 0.57 0.00	27.79 0.70 0.00	31.47 1.09 0.00	31.28 0.85 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.03 0.76 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.92 0.90 0.00	31.09 0.96 0.00	31.27 1.03 0.00	33.33 1.28 0.00	33.06 1.27 0.00	27.81 0.89 0.00	24.29 0.80 0.00	22.72 0.79 0.00
ROARING___BROOK_WT_PWR 323790	21.80 -0.18 0.00	19.61 -0.16 0.00	18.84 -0.13 0.00	18.64 -0.13 0.00	19.00 -0.13 0.00	21.66 -0.15 0.00	26.90 -0.19 0.00	30.07 -0.30 0.00	30.12 -0.30 0.00	29.73 -0.15 0.00	28.87 -0.12 0.00	28.57 -0.17 0.00	28.07 -0.20 0.00	27.03 -0.19 0.00	25.93 -0.21 0.00	25.63 -0.23 0.00	27.75 -0.28 0.00	29.79 -0.33 0.00	29.88 -0.36 0.00	31.51 -0.55 0.00	31.19 -0.61 0.00	26.49 -0.43 0.00	23.07 -0.42 0.00	21.47 -0.46 0.00
ROCHESRG_115KV_T4 355643	21.65 -0.33 0.00	19.40 -0.38 0.00	18.59 -0.38 0.00	18.34 -0.43 0.00	18.72 -0.42 0.00	21.42 -0.39 0.00	26.36 -0.73 0.00	29.43 -0.94 0.00	29.51 -0.91 0.00	28.36 -1.52 0.00	27.89 -1.10 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.05 -1.17 0.00	24.94 -1.20 0.00	24.65 -1.22 0.00	26.54 -1.49 0.00	28.34 -1.78 0.00	28.64 -1.60 0.00	30.64 -1.41 0.00	30.49 -1.30 0.00	25.55 -1.37 0.00	22.34 -1.15 0.00	20.90 -1.03 0.00
ROCHESTER_9_IC 23652	21.78 -0.20 0.00	19.50 -0.28 0.00	18.68 -0.28 0.00	18.44 -0.34 0.00	18.81 -0.33 0.00	21.55 -0.26 0.00	26.52 -0.57 0.00	29.61 -0.76 0.00	29.70 -0.73 0.00	28.54 -1.34 0.00	28.06 -0.93 0.00	27.76 -0.98 0.00	27.28 -0.99 0.00	26.21 -1.01 0.00	25.07 -1.07 0.00	24.78 -1.09 0.00	26.71 -1.32 0.00	28.49 -1.63 0.00	28.82 -1.42 0.00	30.83 -1.22 0.00	30.65 -1.14 0.00	25.69 -1.24 0.00	22.46 -1.03 0.00	21.01 -0.92 0.00



ROCKVIEW_13_KV_LD 356306	22.88 0.90 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.44 1.35 0.00	32.38 2.00 0.00	32.34 1.92 0.00	31.85 1.97 0.00	30.76 1.77 0.00	30.61 1.87 0.00	30.16 1.89 0.00	29.10 1.88 0.00	27.99 1.86 0.00	27.78 1.91 0.00	30.07 2.05 0.00	32.35 2.23 0.00	32.54 2.30 0.00	34.78 2.72 0.00	34.50 2.70 0.00	28.84 1.91 0.00	25.21 1.71 0.00	23.42 1.49 0.00
ROME____115KV_TB2 80656	22.66 0.68 0.00	20.37 0.59 0.00	19.56 0.59 0.00	19.34 0.56 0.00	19.69 0.56 0.00	22.53 0.72 0.00	28.04 0.95 0.00	31.77 1.40 0.00	31.77 1.34 0.00	31.05 1.17 0.00	30.24 1.25 0.00	29.86 1.12 0.00	29.42 1.16 0.00	28.28 1.06 0.00	27.05 0.91 0.00	26.77 0.91 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.42 1.18 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.95 1.02 0.00	24.34 0.85 0.00	22.65 0.72 0.00
ROSETON___1 23587	22.64 0.66 0.00	20.37 0.59 0.00	19.54 0.57 0.00	19.39 0.62 0.00	19.77 0.63 0.00	22.49 0.68 0.00	28.01 0.92 0.00	31.83 1.46 0.00	31.98 1.55 0.00	31.23 1.35 0.00	30.18 1.19 0.00	29.98 1.23 0.00	29.54 1.27 0.00	28.50 1.28 0.00	27.42 1.28 0.00	27.11 1.24 0.00	29.43 1.40 0.00	31.69 1.57 0.00	31.84 1.60 0.00	34.01 1.96 0.00	33.70 1.91 0.00	28.22 1.29 0.00	24.69 1.20 0.00	22.96 1.03 0.00
ROSETON___2 23588	22.64 0.66 0.00	20.37 0.59 0.00	19.54 0.57 0.00	19.39 0.62 0.00	19.77 0.63 0.00	22.49 0.68 0.00	28.01 0.92 0.00	31.83 1.46 0.00	31.98 1.55 0.00	31.23 1.35 0.00	30.18 1.19 0.00	29.98 1.23 0.00	29.54 1.27 0.00	28.50 1.28 0.00	27.42 1.28 0.00	27.11 1.24 0.00	29.43 1.40 0.00	31.69 1.57 0.00	31.84 1.60 0.00	34.01 1.96 0.00	33.70 1.91 0.00	28.22 1.29 0.00	24.69 1.20 0.00	22.96 1.03 0.00
ROTTDAM_115KV_TB3 80664	22.44 0.46 0.00	20.19 0.42 0.00	19.37 0.40 0.00	19.21 0.43 0.00	19.60 0.46 0.00	22.34 0.52 0.00	27.79 0.70 0.00	31.35 0.97 0.00	31.25 0.82 0.00	30.63 0.75 0.00	29.71 0.72 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.93 0.71 0.00	26.82 0.68 0.00	26.54 0.67 0.00	28.81 0.78 0.00	30.99 0.87 0.00	31.15 0.91 0.00	33.21 1.15 0.00	32.94 1.14 0.00	27.73 0.81 0.00	24.22 0.73 0.00	22.59 0.66 0.00
RUSSELL___1 23602	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
RUSSELL___2 23532	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
RUSSELL___3 23549	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
RUSSELL___4 23556	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
RUSSELL___STATION 23914	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
S SALMON___HYD 24043	21.48 -0.50 0.00	19.30 -0.47 0.00	18.53 -0.44 0.00	18.29 -0.49 0.00	18.64 -0.50 0.00	21.27 -0.54 0.00	26.41 -0.68 0.00	29.64 -0.73 0.00	29.70 -0.73 0.00	28.95 -0.93 0.00	28.09 -0.90 0.00	27.79 -0.95 0.00	27.25 -1.02 0.00	26.24 -0.98 0.00	25.17 -0.97 0.00	24.96 -0.91 0.00	26.96 -1.06 0.00	29.10 -1.02 0.00	29.30 -0.94 0.00	31.22 -0.83 0.00	31.00 -0.79 0.00	26.14 -0.78 0.00	22.83 -0.66 0.00	21.34 -0.59 0.00
S.PERRY__115KV_TB1 80734	22.97 0.99 0.00	20.54 0.77 0.00	19.67 0.70 0.00	19.47 0.69 0.00	19.88 0.75 0.00	22.84 1.03 0.00	28.17 1.08 0.00	31.44 1.06 0.00	31.28 0.85 0.00	29.94 0.06 0.00	29.28 0.29 0.00	28.94 0.20 0.00	28.41 0.14 0.00	27.25 0.03 0.00	26.11 -0.03 0.00	25.84 -0.03 0.00	27.91 -0.11 0.00	30.00 -0.12 0.00	30.48 0.24 0.00	32.76 0.71 0.00	32.52 0.73 0.00	27.17 0.24 0.00	23.68 0.19 0.00	22.10 0.18 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	21.87 -0.11 0.00	19.58 -0.20 0.00	18.74 -0.23 0.00	18.55 -0.23 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.30 -1.13 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.70 -1.44 0.00	24.37 -1.50 0.00	26.15 -1.88 0.00	27.68 -2.44 0.00	28.00 -2.24 0.00	30.23 -1.83 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.03 -1.46 0.00	20.70 -1.23 0.00
SAWYER___23_KV_LOAD 55526	21.87 -0.11 0.00	19.58 -0.20 0.00	18.74 -0.23 0.00	18.55 -0.23 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.41 -0.68 0.00	29.22 -1.15 0.00	29.30 -1.13 0.00	27.88 -2.00 0.00	27.63 -1.36 0.00	27.33 -1.41 0.00	26.96 -1.30 0.00	25.83 -1.39 0.00	24.70 -1.44 0.00	24.37 -1.50 0.00	26.15 -1.88 0.00	27.68 -2.44 0.00	28.00 -2.24 0.00	30.23 -1.83 0.00	30.11 -1.69 0.00	25.20 -1.72 0.00	22.03 -1.46 0.00	20.70 -1.23 0.00
SELKIRK___I 23801	22.53 0.55 0.00	20.29 0.51 0.00	19.48 0.51 0.00	19.32 0.54 0.00	19.71 0.57 0.00	22.42 0.61 0.00	27.82 0.73 0.00	31.44 1.06 0.00	31.43 1.00 0.00	30.66 0.78 0.00	29.71 0.73 0.00	29.46 0.72 0.00	29.00 0.73 0.00	27.93 0.71 0.00	26.82 0.68 0.00	26.51 0.65 0.00	28.81 0.78 0.00	31.00 0.87 0.00	31.18 0.94 0.00	33.20 1.15 0.00	32.97 1.18 0.00	27.73 0.81 0.00	24.27 0.77 0.00	22.63 0.70 0.00



SELKIRK___II 23799	22.42 0.44 0.00	20.19 0.42 0.00	19.38 0.42 0.00	19.22 0.45 0.00	19.60 0.46 0.00	22.32 0.50 0.00	27.69 0.60 0.00	31.35 0.97 0.00	31.34 0.91 0.00	30.60 0.72 0.00	29.66 0.67 0.00	29.40 0.66 0.00	28.94 0.68 0.00	27.87 0.65 0.00	26.79 0.65 0.00	26.49 0.62 0.00	28.78 0.76 0.00	31.00 0.87 0.00	31.15 0.91 0.00	33.17 1.12 0.00	32.91 1.11 0.00	27.68 0.75 0.00	24.20 0.70 0.00	22.54 0.61 0.00
SENECA OSWGO___HYD 24041	21.45 -0.53 0.00	19.30 -0.47 0.00	18.49 -0.47 0.00	18.25 -0.53 0.00	18.60 -0.54 0.00	21.23 -0.59 0.00	26.36 -0.73 0.00	29.55 -0.82 0.00	29.70 -0.73 0.00	28.98 -0.90 0.00	28.09 -0.90 0.00	27.85 -0.89 0.00	27.36 -0.91 0.00	26.35 -0.87 0.00	25.28 -0.86 0.00	24.99 -0.88 0.00	27.02 -1.01 0.00	29.10 -1.02 0.00	29.30 -0.94 0.00	31.16 -0.90 0.00	30.90 -0.89 0.00	26.06 -0.86 0.00	22.74 -0.75 0.00	21.29 -0.64 0.00
SENECA___115KV_TB3 355854	22.22 0.24 0.00	19.87 0.10 0.00	19.02 0.06 0.00	18.83 0.06 0.00	19.21 0.08 0.00	22.05 0.24 0.00	26.87 -0.22 0.00	29.71 -0.67 0.00	29.79 -0.64 0.00	28.36 -1.52 0.00	28.09 -0.90 0.00	27.79 -0.95 0.00	27.39 -0.88 0.00	26.24 -0.98 0.00	25.07 -1.07 0.00	24.75 -1.11 0.00	26.54 -1.49 0.00	28.10 -2.02 0.00	28.40 -1.84 0.00	30.64 -1.41 0.00	30.55 -1.24 0.00	25.55 -1.37 0.00	22.32 -1.17 0.00	20.99 -0.94 0.00
SENECA___ENERGY 23797	21.87 -0.11 0.00	19.64 -0.14 0.00	18.84 -0.13 0.00	18.59 -0.19 0.00	18.98 -0.15 0.00	21.75 -0.07 0.00	26.98 -0.11 0.00	30.19 -0.18 0.00	30.40 -0.03 0.00	29.52 -0.36 0.00	28.58 -0.41 0.00	28.34 -0.40 0.00	27.78 -0.48 0.00	26.73 -0.49 0.00	25.62 -0.52 0.00	25.35 -0.52 0.00	27.38 -0.64 0.00	29.49 -0.63 0.00	29.70 -0.54 0.00	31.67 -0.38 0.00	31.41 -0.38 0.00	26.44 -0.48 0.00	23.00 -0.49 0.00	21.60 -0.33 0.00
SHOEMAKER___GT 23640	22.57 0.59 0.00	20.31 0.53 0.00	19.46 0.49 0.00	19.32 0.54 0.00	19.71 0.57 0.00	22.42 0.61 0.00	27.93 0.87 0.00	31.65 1.28 0.00	31.80 1.37 0.00	31.04 1.16 0.00	30.00 1.01 0.00	29.77 1.03 0.00	29.34 1.07 0.00	28.28 1.06 0.00	27.21 1.07 0.00	26.90 1.04 0.00	29.15 1.12 0.00	31.42 1.29 0.00	31.57 1.33 0.00	33.69 1.63 0.00	33.38 1.59 0.00	28.00 1.08 0.00	24.48 0.99 0.00	22.81 0.88 0.00
SHOEMAKR_138KV_BK 111 55601	22.57 0.59 0.00	20.31 0.53 0.00	19.46 0.49 0.00	19.32 0.54 0.00	19.71 0.57 0.00	22.42 0.61 0.00	27.96 0.87 0.00	31.65 1.28 0.00	31.58 1.16 0.00	31.05 1.17 0.00	30.00 1.01 0.00	29.83 1.09 0.00	29.37 1.10 0.00	28.31 1.09 0.00	27.24 1.10 0.00	26.95 1.09 0.00	29.18 1.15 0.00	31.42 1.30 0.00	31.57 1.33 0.00	33.72 1.67 0.00	33.41 1.62 0.00	28.06 1.13 0.00	24.50 1.01 0.00	22.83 0.90 0.00
SHOREHAM_IC_1 23715	22.82 0.84 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.22 1.79 0.00	31.58 1.70 0.00	31.06 2.06 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.30 2.07 -0.01	29.13 2.04 -0.95	29.76 2.07 -1.82	30.72 2.55 -0.14	39.67 2.80 -6.75	44.60 2.87 -11.49	39.09 3.17 -3.86	38.88 3.34 -3.75	35.04 2.50 -5.61	26.60 2.12 -0.99	23.74 1.80 -0.01
SHOREHAM_IC_2 23716	22.82 0.84 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.56 0.79 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.22 1.79 0.00	31.58 1.70 0.00	31.06 2.06 -0.01	30.91 2.16 -0.01	30.48 2.21 -0.01	29.30 2.07 -0.01	29.13 2.04 -0.95	29.76 2.07 -1.82	30.72 2.55 -0.14	39.67 2.80 -6.75	44.60 2.87 -11.49	39.09 3.17 -3.86	38.88 3.34 -3.75	35.04 2.50 -5.61	26.60 2.12 -0.99	23.74 1.80 -0.01
SISSONVILLE____ 23735	21.28 -0.70 0.00	19.12 -0.65 0.00	18.34 -0.63 0.00	18.19 -0.58 0.00	18.53 -0.61 0.00	21.16 -0.65 0.00	26.25 -0.84 0.00	29.28 -1.09 0.00	29.42 -1.00 0.00	29.13 -0.75 0.00	28.18 -0.81 0.00	27.85 -0.89 0.00	27.30 -0.96 0.00	26.29 -0.93 0.00	25.22 -0.91 0.00	25.01 -0.85 0.00	27.07 -0.95 0.00	29.16 -0.96 0.00	29.09 -1.15 0.00	30.61 -1.44 0.00	30.30 -1.49 0.00	25.93 -1.00 0.00	22.55 -0.94 0.00	20.96 -0.96 0.00
SITHE_IND_GS1 24169	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.07 -0.74 0.00	26.17 -0.92 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.55 -1.24 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
SITHE_IND_GS2 24170	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.07 -0.74 0.00	26.17 -0.92 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.55 -1.24 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
SITHE_IND_GS3 24171	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.07 -0.74 0.00	26.17 -0.92 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.55 -1.24 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
SITHE_IND_GS4 24172	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.07 -0.74 0.00	26.17 -0.92 0.00	29.28 -1.09 0.00	29.36 -1.07 0.00	28.71 -1.17 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.80 -1.06 0.00	26.82 -1.20 0.00	28.83 -1.29 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.55 -1.24 0.00	25.82 -1.11 0.00	22.53 -0.96 0.00	21.12 -0.81 0.00
SITHE___BATAVIA 24024	22.18 0.20 0.00	19.81 0.04 0.00	18.99 0.02 0.00	18.76 -0.02 0.00	19.12 -0.02 0.00	21.97 0.15 0.00	27.04 -0.05 0.00	29.89 -0.49 0.00	30.15 -0.27 0.00	29.16 -0.72 0.00	28.18 -0.81 0.00	27.99 -0.75 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.96 -0.91 0.00	26.60 -1.43 0.00	28.41 -1.72 0.00	28.70 -1.54 0.00	30.83 -1.22 0.00	30.74 -1.05 0.00	25.90 -1.02 0.00	22.53 -0.96 0.00	21.40 -0.53 0.00
SITHE___INDEPEND 23800	21.30 -0.68 0.00	19.16 -0.61 0.00	18.38 -0.59 0.00	18.12 -0.66 0.00	18.47 -0.67 0.00	21.07 -0.74 0.00	26.14 -0.95 0.00	29.28 -1.09 0.00	29.30 -1.13 0.00	28.63 -1.25 0.00	27.83 -1.16 0.00	27.59 -1.15 0.00	27.13 -1.13 0.00	26.10 -1.12 0.00	25.04 -1.10 0.00	24.78 -1.09 0.00	26.82 -1.21 0.00	28.80 -1.33 0.00	29.00 -1.24 0.00	30.80 -1.25 0.00	30.55 -1.24 0.00	25.80 -1.13 0.00	22.50 -0.99 0.00	21.07 -0.86 0.00



SITHE___MASSENA 23902	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.77 -0.04 0.00	26.98 -0.11 0.00	30.07 -0.30 0.00	30.00 -0.43 0.00	29.79 -0.09 0.00	28.93 -0.06 0.00	28.63 -0.11 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.74 -0.13 0.00	27.86 -0.17 0.00	29.91 -0.21 0.00	29.91 -0.33 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.66 -0.27 0.00	23.23 -0.26 0.00	21.62 -0.31 0.00
SITHE___OGDNSBRG 24021	21.89 -0.09 0.00	19.67 -0.10 0.00	18.87 -0.09 0.00	18.72 -0.06 0.00	19.06 -0.08 0.00	21.79 -0.02 0.00	27.06 -0.03 0.00	30.22 -0.15 0.00	30.34 -0.09 0.00	29.97 0.09 0.00	29.05 0.06 0.00	28.68 -0.06 0.00	28.15 -0.11 0.00	27.11 -0.11 0.00	25.98 -0.16 0.00	25.76 -0.10 0.00	27.86 -0.17 0.00	30.00 -0.12 0.00	29.97 -0.27 0.00	31.54 -0.51 0.00	31.25 -0.54 0.00	26.74 -0.19 0.00	23.26 -0.23 0.00	21.62 -0.31 0.00
SITHE___STERLING 23777	22.51 0.53 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.21 0.43 0.00	19.56 0.42 0.00	22.38 0.57 0.00	27.88 0.79 0.00	31.47 1.09 0.00	31.55 1.13 0.00	30.84 0.96 0.00	29.94 0.96 0.00	29.63 0.89 0.00	29.14 0.88 0.00	28.04 0.82 0.00	26.84 0.71 0.00	26.56 0.70 0.00	28.75 0.73 0.00	30.96 0.84 0.00	31.15 0.91 0.00	33.14 1.09 0.00	32.87 1.08 0.00	27.71 0.78 0.00	24.13 0.63 0.00	22.50 0.57 0.00
SLEIGHT__34_KV_TB1 80719	21.52 -0.46 0.00	19.30 -0.47 0.00	18.49 -0.47 0.00	18.25 -0.53 0.00	18.62 -0.52 0.00	21.31 -0.50 0.00	26.39 -0.70 0.00	29.52 -0.85 0.00	29.64 -0.79 0.00	28.63 -1.25 0.00	28.00 -0.99 0.00	27.71 -1.03 0.00	27.22 -1.05 0.00	26.16 -1.06 0.00	25.04 -1.10 0.00	24.75 -1.11 0.00	26.71 -1.32 0.00	28.62 -1.51 0.00	28.94 -1.30 0.00	30.80 -1.25 0.00	30.62 -1.18 0.00	25.66 -1.27 0.00	22.41 -1.08 0.00	20.94 -0.99 0.00
SOUTH CAIRO___GT 23612	22.97 0.99 0.00	20.64 0.87 0.00	19.82 0.85 0.00	19.68 0.90 0.00	20.09 0.96 0.00	22.93 1.11 0.00	28.63 1.54 0.00	32.26 1.88 0.00	32.13 1.70 0.00	31.13 1.25 0.00	30.06 1.07 0.00	29.72 0.98 0.00	29.23 0.96 0.00	28.12 0.90 0.00	27.00 0.86 0.00	26.56 0.70 0.00	28.92 0.90 0.00	31.27 1.14 0.00	31.48 1.24 0.00	33.59 1.54 0.00	33.38 1.59 0.00	28.00 1.08 0.00	24.48 0.99 0.00	22.81 0.88 0.00
SOUTH HAMPTN___IC 23720	23.23 1.25 0.00	21.02 1.25 0.00	20.03 1.06 0.00	19.88 1.11 0.00	20.61 1.47 0.00	23.41 1.59 0.00	29.77 2.68 0.00	33.90 3.52 0.00	32.92 2.50 0.00	32.30 2.42 0.00	31.78 2.78 -0.01	31.65 2.90 -0.01	31.19 2.91 -0.01	29.95 2.72 -0.01	29.76 2.67 -0.95	30.38 2.69 -1.82	31.28 3.11 -0.14	40.13 3.34 -6.67	45.02 3.42 -11.36	39.67 3.78 -3.84	39.44 3.94 -3.71	35.48 2.99 -5.57	27.07 2.58 -0.99	24.22 2.28 -0.01
SOUTHDOW__115KV_TB1 355954	23.08 1.10 0.00	20.64 0.87 0.00	19.73 0.76 0.00	19.54 0.77 0.00	19.92 0.78 0.00	22.90 1.09 0.00	27.98 0.89 0.00	30.92 0.55 0.00	30.88 0.46 0.00	29.46 -0.42 0.00	29.11 0.12 0.00	28.80 0.06 0.00	28.29 0.03 0.00	27.06 -0.16 0.00	25.83 -0.31 0.00	25.43 -0.44 0.00	27.27 -0.76 0.00	28.92 -1.20 0.00	29.09 -1.15 0.00	31.51 -0.54 0.00	31.41 -0.38 0.00	26.20 -0.73 0.00	22.79 -0.70 0.00	21.40 -0.53 0.00
SOUTHOLD_69_KV_BK 2 55809	23.50 1.52 0.00	21.26 1.48 0.00	20.33 1.37 0.00	20.11 1.33 0.00	20.86 1.72 0.00	23.69 1.88 0.00	30.31 3.22 0.00	34.35 3.98 0.00	32.74 2.31 0.00	33.17 3.29 0.00	32.32 3.33 0.00	32.19 3.45 0.00	31.63 3.36 0.00	30.38 3.16 0.00	30.15 3.06 -0.95	30.79 3.10 -1.82	31.63 3.48 -0.13	40.49 3.70 -6.67	45.41 3.81 -11.36	40.15 4.26 -3.84	39.81 4.32 -3.70	35.88 3.39 -5.56	27.40 2.91 -0.99	24.54 2.61 0.00
SOUTHOLD___IC 23719	23.50 1.52 0.00	21.26 1.48 0.00	20.26 1.29 0.00	20.11 1.33 0.00	20.86 1.72 0.00	23.69 1.88 0.00	30.15 3.06 0.00	34.35 3.98 0.00	33.38 2.95 0.00	32.75 2.87 0.00	32.27 3.27 -0.01	32.11 3.36 -0.01	31.64 3.36 -0.01	30.39 3.16 -0.01	30.15 3.06 -0.95	30.74 3.05 -1.82	31.64 3.47 -0.14	40.52 3.73 -6.67	45.41 3.81 -11.36	40.15 4.26 -3.84	39.86 4.36 -3.71	35.83 3.34 -5.56	27.37 2.89 -0.99	24.53 2.59 -0.01
SOUTH_FORK_WT_PWR 323839	23.56 1.58 0.00	21.30 1.52 0.00	20.29 1.33 0.00	20.14 1.37 0.00	20.90 1.76 0.00	23.73 1.92 0.00	30.20 3.11 0.00	34.41 4.04 0.00	33.44 3.01 0.00	32.84 2.96 0.00	32.33 3.33 -0.01	32.20 3.45 -0.01	31.67 3.39 -0.01	30.41 3.18 -0.01	30.17 3.08 -0.95	30.79 3.10 -1.82	31.67 3.50 -0.14	40.55 3.76 -6.67	45.44 3.84 -11.36	40.19 4.30 -3.84	39.89 4.39 -3.71	35.88 3.39 -5.57	27.42 2.94 -0.99	24.55 2.61 -0.01
SPIERFLS_115KV_TB 1 80737	22.51 0.53 0.00	20.21 0.44 0.00	19.42 0.46 0.00	19.26 0.49 0.00	19.69 0.56 0.00	22.47 0.65 0.00	28.09 1.00 0.00	31.74 1.37 0.00	31.55 1.13 0.00	30.90 1.02 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.33 1.09 0.00	33.49 1.44 0.00	33.32 1.53 0.00	27.95 1.02 0.00	24.38 0.89 0.00	22.70 0.77 0.00
ST LAWRENCE____ 23600	21.76 -0.22 0.00	19.58 -0.20 0.00	18.78 -0.19 0.00	18.60 -0.17 0.00	18.97 -0.17 0.00	21.62 -0.20 0.00	26.79 -0.30 0.00	29.80 -0.58 0.00	29.79 -0.64 0.00	29.58 -0.30 0.00	28.73 -0.26 0.00	28.45 -0.29 0.00	27.95 -0.31 0.00	26.92 -0.30 0.00	25.85 -0.29 0.00	25.58 -0.28 0.00	27.72 -0.31 0.00	29.76 -0.36 0.00	29.76 -0.49 0.00	31.28 -0.77 0.00	31.00 -0.79 0.00	26.55 -0.38 0.00	23.11 -0.38 0.00	21.53 -0.39 0.00
STATE_CA_115KV_115_LB 55624	22.55 0.57 0.00	20.33 0.55 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.75 0.61 0.00	22.47 0.65 0.00	27.90 0.81 0.00	31.59 1.21 0.00	31.43 1.00 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	27.00 0.86 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.21 1.08 0.00	31.36 1.12 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.90 0.97 0.00	24.38 0.89 0.00	22.78 0.86 0.00
STATE_ST_34_KV_LOAD 55959	21.80 -0.18 0.00	19.62 -0.16 0.00	18.80 -0.17 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.60 -0.22 0.00	26.85 -0.24 0.00	30.16 -0.21 0.00	30.24 -0.18 0.00	29.40 -0.48 0.00	28.64 -0.35 0.00	28.37 -0.37 0.00	27.90 -0.37 0.00	26.81 -0.41 0.00	25.72 -0.42 0.00	25.40 -0.47 0.00	27.49 -0.53 0.00	29.55 -0.57 0.00	29.85 -0.39 0.00	31.73 -0.32 0.00	31.48 -0.32 0.00	26.44 -0.48 0.00	23.04 -0.45 0.00	21.53 -0.39 0.00
STATION 5_MISC_HYD 23604	21.78 -0.20 0.00	19.50 -0.28 0.00	18.68 -0.28 0.00	18.44 -0.34 0.00	18.81 -0.33 0.00	21.55 -0.26 0.00	26.57 -0.52 0.00	29.62 -0.76 0.00	29.85 -0.58 0.00	29.01 -0.87 0.00	28.06 -0.93 0.00	27.88 -0.86 0.00	27.27 -0.99 0.00	26.21 -1.01 0.00	25.07 -1.07 0.00	24.94 -0.93 0.00	26.71 -1.32 0.00	28.59 -1.54 0.00	28.82 -1.42 0.00	30.83 -1.22 0.00	30.65 -1.14 0.00	25.85 -1.08 0.00	22.51 -0.99 0.00	21.25 -0.68 0.00



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	21.91 -0.07 0.00	19.64 -0.14 0.00	18.82 -0.15 0.00	18.57 -0.21 0.00	18.97 -0.17 0.00	21.73 -0.09 0.00	26.85 -0.24 0.00	30.04 -0.33 0.00	30.12 -0.30 0.00	29.07 -0.81 0.00	28.47 -0.52 0.00	28.17 -0.57 0.00	27.64 -0.62 0.00	26.57 -0.65 0.00	25.43 -0.71 0.00	25.14 -0.72 0.00	27.16 -0.87 0.00	29.10 -1.02 0.00	29.39 -0.85 0.00	31.35 -0.71 0.00	31.16 -0.64 0.00	26.09 -0.83 0.00	22.79 -0.70 0.00	21.27 -0.66 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	21.63 -0.35 0.00	19.38 -0.40 0.00	18.57 -0.40 0.00	18.32 -0.45 0.00	18.68 -0.46 0.00	21.40 -0.41 0.00	26.36 -0.73 0.00	29.49 -0.88 0.00	29.60 -0.82 0.00	28.51 -1.37 0.00	28.00 -0.99 0.00	27.71 -1.03 0.00	27.22 -1.05 0.00	26.13 -1.09 0.00	25.01 -1.12 0.00	24.73 -1.14 0.00	26.65 -1.37 0.00	28.46 -1.66 0.00	28.79 -1.45 0.00	30.74 -1.31 0.00	30.55 -1.24 0.00	25.61 -1.32 0.00	22.39 -1.10 0.00	20.92 -1.01 0.00
STA_56____34_KV_BUS2 355983	21.63 -0.35 0.00	19.38 -0.40 0.00	18.57 -0.40 0.00	18.32 -0.45 0.00	18.68 -0.46 0.00	21.40 -0.41 0.00	26.36 -0.73 0.00	29.49 -0.88 0.00	29.60 -0.82 0.00	28.51 -1.37 0.00	28.00 -0.99 0.00	27.71 -1.03 0.00	27.22 -1.05 0.00	26.13 -1.09 0.00	25.01 -1.12 0.00	24.73 -1.14 0.00	26.65 -1.37 0.00	28.46 -1.66 0.00	28.79 -1.45 0.00	30.74 -1.31 0.00	30.55 -1.24 0.00	25.61 -1.32 0.00	22.39 -1.10 0.00	20.92 -1.01 0.00
STA_67____115KV_BK2 355882	21.74 -0.24 0.00	19.46 -0.32 0.00	18.65 -0.32 0.00	18.40 -0.38 0.00	18.77 -0.36 0.00	21.51 -0.31 0.00	26.44 -0.65 0.00	29.52 -0.85 0.00	29.64 -0.79 0.00	28.48 -1.40 0.00	27.98 -1.01 0.00	27.68 -1.06 0.00	27.22 -1.05 0.00	26.16 -1.06 0.00	25.01 -1.12 0.00	24.73 -1.14 0.00	26.65 -1.37 0.00	28.43 -1.69 0.00	28.76 -1.48 0.00	30.77 -1.28 0.00	30.59 -1.21 0.00	25.63 -1.29 0.00	22.41 -1.08 0.00	20.96 -0.96 0.00
STA_7____115KV_9TRANS 80674	21.87 -0.11 0.00	19.58 -0.20 0.00	18.76 -0.21 0.00	18.51 -0.26 0.00	18.89 -0.25 0.00	21.64 -0.17 0.00	26.63 -0.46 0.00	29.74 -0.64 0.00	29.85 -0.58 0.00	28.68 -1.20 0.00	28.21 -0.78 0.00	27.91 -0.83 0.00	27.42 -0.85 0.00	26.32 -0.90 0.00	25.17 -0.97 0.00	24.91 -0.96 0.00	26.82 -1.21 0.00	28.65 -1.48 0.00	28.97 -1.27 0.00	30.99 -1.06 0.00	30.81 -0.99 0.00	25.80 -1.13 0.00	22.55 -0.94 0.00	21.07 -0.86 0.00
STA_82____115KV_TB1 80780	21.74 -0.24 0.00	19.48 -0.30 0.00	18.65 -0.32 0.00	18.42 -0.36 0.00	18.77 -0.36 0.00	21.51 -0.31 0.00	26.47 -0.62 0.00	29.55 -0.82 0.00	29.67 -0.76 0.00	28.51 -1.37 0.00	28.00 -0.99 0.00	27.71 -1.03 0.00	27.25 -1.02 0.00	26.16 -1.06 0.00	25.04 -1.10 0.00	24.75 -1.11 0.00	26.65 -1.37 0.00	28.46 -1.66 0.00	28.79 -1.45 0.00	30.77 -1.28 0.00	30.62 -1.18 0.00	25.63 -1.29 0.00	22.43 -1.06 0.00	20.96 -0.96 0.00
STEEL____WIND 323596	22.20 0.22 0.00	19.87 0.10 0.00	19.02 0.06 0.00	18.83 0.06 0.00	19.20 0.06 0.00	22.03 0.22 0.00	26.98 -0.11 0.00	29.68 -0.70 0.00	30.00 -0.43 0.00	29.01 -0.87 0.00	28.09 -0.90 0.00	27.94 -0.80 0.00	27.36 -0.91 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.91 -0.96 0.00	26.51 -1.51 0.00	28.19 -1.93 0.00	28.39 -1.85 0.00	30.64 -1.41 0.00	30.52 -1.27 0.00	25.77 -1.16 0.00	22.36 -1.13 0.00	21.38 -0.55 0.00
STEPHTWN_115KV_BK_2 55603	22.64 0.66 0.00	20.39 0.61 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.81 0.67 0.00	22.58 0.76 0.00	28.04 0.95 0.00	31.71 1.34 0.00	31.52 1.10 0.00	30.93 1.05 0.00	30.00 1.01 0.00	29.72 0.98 0.00	29.25 0.99 0.00	28.17 0.95 0.00	27.08 0.94 0.00	26.80 0.93 0.00	29.12 1.09 0.00	31.33 1.20 0.00	31.48 1.24 0.00	33.59 1.54 0.00	33.35 1.56 0.00	28.03 1.10 0.00	24.50 1.01 0.00	22.87 0.94 0.00
STEUBEN_REC_LFGE 323667	23.21 1.23 0.00	20.78 1.01 0.00	19.92 0.95 0.00	19.77 1.00 0.00	20.17 1.03 0.00	23.19 1.37 0.00	28.61 1.52 0.00	31.98 1.61 0.00	31.86 1.43 0.00	30.66 0.78 0.00	29.95 0.96 0.00	29.60 0.86 0.00	29.06 0.79 0.00	27.90 0.68 0.00	26.74 0.60 0.00	26.36 0.49 0.00	28.50 0.48 0.00	30.63 0.51 0.00	30.91 0.67 0.00	33.14 1.09 0.00	32.81 1.02 0.00	27.38 0.46 0.00	23.80 0.31 0.00	22.26 0.33 0.00
STILLWATER____SOLAR 323814	22.64 0.66 0.00	20.37 0.59 0.00	19.56 0.59 0.00	19.41 0.64 0.00	19.81 0.67 0.00	22.58 0.76 0.00	28.12 1.03 0.00	31.80 1.43 0.00	31.80 1.37 0.00	30.99 1.11 0.00	30.09 1.10 0.00	29.80 1.06 0.00	29.34 1.07 0.00	28.23 1.01 0.00	27.11 0.97 0.00	26.80 0.93 0.00	29.15 1.12 0.00	31.36 1.24 0.00	31.51 1.27 0.00	33.62 1.57 0.00	33.41 1.62 0.00	28.03 1.10 0.00	24.50 1.01 0.00	22.78 0.85 0.00
STONY____BROOK 24151	22.97 0.99 0.00	20.72 0.95 0.00	19.76 0.80 0.00	19.62 0.85 0.00	20.31 1.17 0.00	23.08 1.26 0.00	29.31 2.22 0.00	33.26 2.89 0.00	32.62 2.19 0.00	31.94 2.06 0.00	31.40 2.40 -0.01	31.25 2.50 -0.01	30.90 2.63 -0.01	29.73 2.50 -0.01	29.52 2.43 -0.95	30.14 2.46 -1.82	30.96 2.78 -0.16	40.85 3.07 -7.65	46.32 3.17 -12.91	39.71 3.53 -4.13	39.65 3.59 -4.27	35.67 2.61 -6.14	26.83 2.35 -0.99	24.07 2.13 -0.01
STURGEON_POOL_HYD 23609	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.53 0.72 0.00	28.20 1.11 0.00	31.98 1.61 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.29 1.30 0.00	30.15 1.41 0.00	29.65 1.38 0.00	28.61 1.39 0.00	27.52 1.39 0.00	27.24 1.37 0.00	29.46 1.43 0.00	31.75 1.63 0.00	31.93 1.69 0.00	34.07 2.02 0.00	33.73 1.94 0.00	28.27 1.35 0.00	24.71 1.22 0.00	23.03 1.10 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	22.66 0.68 0.00	20.39 0.61 0.00	19.52 0.55 0.00	19.39 0.62 0.00	19.77 0.63 0.00	22.49 0.68 0.00	28.07 0.98 0.00	31.80 1.43 0.00	31.73 1.31 0.00	31.22 1.34 0.00	30.18 1.19 0.00	30.01 1.26 0.00	29.54 1.27 0.00	28.47 1.25 0.00	27.42 1.28 0.00	27.13 1.27 0.00	29.37 1.35 0.00	31.63 1.51 0.00	31.78 1.54 0.00	33.94 1.89 0.00	33.64 1.84 0.00	28.22 1.29 0.00	24.64 1.15 0.00	22.94 1.01 0.00
SWANROAD_115KV_TB1 355699	21.48 -0.51 0.00	19.22 -0.55 0.00	18.40 -0.57 0.00	18.19 -0.58 0.00	18.56 -0.57 0.00	21.29 -0.52 0.00	25.84 -1.25 0.00	28.58 -1.79 0.00	28.66 -1.76 0.00	27.22 -2.66 0.00	26.99 -2.00 0.00	26.70 -2.04 0.00	26.34 -1.92 0.00	25.26 -1.96 0.00	24.15 -1.99 0.00	23.85 -2.02 0.00	25.56 -2.47 0.00	27.08 -3.04 0.00	27.43 -2.81 0.00	29.55 -2.50 0.00	29.47 -2.32 0.00	24.66 -2.26 0.00	21.59 -1.90 0.00	20.31 -1.62 0.00
SYNERGY____BIOGAS 323694	22.18 0.20 0.00	19.81 0.04 0.00	18.99 0.02 0.00	18.76 -0.02 0.00	19.12 -0.02 0.00	21.97 0.15 0.00	27.04 -0.05 0.00	29.89 -0.49 0.00	30.15 -0.27 0.00	29.16 -0.72 0.00	28.18 -0.81 0.00	27.99 -0.75 0.00	27.33 -0.93 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.96 -0.91 0.00	26.60 -1.43 0.00	28.41 -1.72 0.00	28.70 -1.54 0.00	30.83 -1.22 0.00	30.74 -1.05 0.00	25.90 -1.02 0.00	22.53 -0.96 0.00	21.40 -0.53 0.00



SYRACUSE___ENERGY_ST1 323597	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00
SYRACUSE___ENERGY_ST2 323598	21.69 -0.29 0.00	19.52 -0.26 0.00	18.72 -0.25 0.00	18.46 -0.32 0.00	18.81 -0.33 0.00	21.49 -0.33 0.00	26.66 -0.43 0.00	29.95 -0.43 0.00	30.03 -0.40 0.00	29.25 -0.63 0.00	28.47 -0.52 0.00	28.22 -0.52 0.00	27.73 -0.54 0.00	26.67 -0.54 0.00	25.59 -0.55 0.00	25.27 -0.59 0.00	27.35 -0.67 0.00	29.40 -0.72 0.00	29.67 -0.57 0.00	31.51 -0.54 0.00	31.28 -0.51 0.00	26.33 -0.59 0.00	22.97 -0.52 0.00	21.47 -0.46 0.00
SYRACUSE___POWER 24017	21.72 -0.26 0.00	19.54 -0.24 0.00	18.72 -0.25 0.00	18.47 -0.30 0.00	18.83 -0.31 0.00	21.51 -0.31 0.00	26.71 -0.38 0.00	30.01 -0.36 0.00	30.09 -0.33 0.00	29.31 -0.57 0.00	28.53 -0.46 0.00	28.28 -0.46 0.00	27.78 -0.48 0.00	26.73 -0.49 0.00	25.67 -0.47 0.00	25.35 -0.52 0.00	27.44 -0.59 0.00	29.49 -0.63 0.00	29.76 -0.48 0.00	31.60 -0.45 0.00	31.35 -0.45 0.00	26.39 -0.54 0.00	23.02 -0.47 0.00	21.51 -0.42 0.00
TALLMAN___138KV_BK151 55660	22.75 0.77 0.00	20.47 0.69 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.85 0.71 0.00	22.58 0.76 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.21 1.47 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.60 1.46 0.00	27.31 1.45 0.00	29.57 1.54 0.00	31.84 1.72 0.00	31.96 1.72 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00
TEALLAVE_115KV_TB7 355573	21.63 -0.35 0.00	19.44 -0.34 0.00	18.65 -0.32 0.00	18.38 -0.39 0.00	18.74 -0.40 0.00	21.40 -0.41 0.00	26.58 -0.51 0.00	29.83 -0.55 0.00	29.91 -0.52 0.00	29.13 -0.75 0.00	28.35 -0.64 0.00	28.11 -0.63 0.00	27.61 -0.65 0.00	26.57 -0.65 0.00	25.51 -0.63 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.28 -0.84 0.00	29.54 -0.70 0.00	31.38 -0.67 0.00	31.16 -0.64 0.00	26.23 -0.70 0.00	22.88 -0.61 0.00	21.40 -0.53 0.00
TELGRAPH_34_KV_EAST 80808	21.91 -0.07 0.00	19.60 -0.18 0.00	18.76 -0.21 0.00	18.55 -0.23 0.00	18.93 -0.21 0.00	21.70 -0.11 0.00	26.55 -0.54 0.00	29.40 -0.97 0.00	29.51 -0.91 0.00	28.06 -1.82 0.00	27.77 -1.22 0.00	27.45 -1.29 0.00	27.05 -1.22 0.00	25.91 -1.31 0.00	24.75 -1.39 0.00	24.47 -1.40 0.00	26.26 -1.77 0.00	27.86 -2.26 0.00	28.21 -2.03 0.00	30.39 -1.67 0.00	30.30 -1.49 0.00	25.31 -1.62 0.00	22.13 -1.36 0.00	20.77 -1.16 0.00
TEMPLE___115KV_TB 2 55572	21.63 -0.35 0.00	19.44 -0.34 0.00	18.65 -0.32 0.00	18.38 -0.39 0.00	18.76 -0.38 0.00	21.40 -0.41 0.00	26.58 -0.51 0.00	29.86 -0.52 0.00	29.94 -0.49 0.00	29.16 -0.72 0.00	28.38 -0.61 0.00	28.11 -0.63 0.00	27.64 -0.62 0.00	26.59 -0.63 0.00	25.51 -0.63 0.00	25.19 -0.67 0.00	27.27 -0.76 0.00	29.28 -0.84 0.00	29.54 -0.70 0.00	31.41 -0.64 0.00	31.16 -0.64 0.00	26.23 -0.70 0.00	22.88 -0.61 0.00	21.40 -0.53 0.00
TIANA___69_KV_BK 1 55817	23.12 1.14 0.00	20.94 1.17 0.00	20.03 1.06 0.00	19.81 1.03 0.00	20.54 1.40 0.00	23.32 1.51 0.00	29.80 2.71 0.00	33.74 3.37 0.00	32.13 1.70 0.00	32.54 2.66 0.00	31.69 2.70 0.00	31.56 2.82 0.00	31.03 2.77 0.00	29.81 2.59 0.00	29.63 2.54 -0.95	30.27 2.59 -1.82	31.13 2.97 -0.13	39.98 3.19 -6.67	44.89 3.30 -11.36	39.54 3.65 -3.84	39.24 3.75 -3.70	35.43 2.93 -5.56	26.97 2.49 -0.99	24.14 2.21 0.00
TILDEN___115KV_TB1 80814	21.72 -0.26 0.00	19.54 -0.24 0.00	18.72 -0.25 0.00	18.47 -0.30 0.00	18.83 -0.31 0.00	21.51 -0.31 0.00	26.71 -0.38 0.00	30.01 -0.36 0.00	30.09 -0.33 0.00	29.31 -0.57 0.00	28.53 -0.46 0.00	28.28 -0.46 0.00	27.78 -0.48 0.00	26.73 -0.49 0.00	25.67 -0.47 0.00	25.35 -0.52 0.00	27.44 -0.59 0.00	29.49 -0.63 0.00	29.76 -0.48 0.00	31.60 -0.45 0.00	31.35 -0.45 0.00	26.39 -0.54 0.00	23.02 -0.47 0.00	21.51 -0.42 0.00
TRIGEN___CC 323695	22.73 0.75 0.00	20.49 0.71 0.00	19.61 0.64 0.00	19.41 0.64 0.00	20.02 0.88 0.00	22.75 0.94 0.00	28.93 1.84 0.00	32.62 2.25 0.00	31.80 1.37 0.00	32.03 2.15 0.00	31.08 2.09 0.00	30.90 2.16 0.00	30.41 2.15 0.00	29.23 2.01 0.00	29.05 1.96 -0.95	29.68 1.99 -1.82	30.18 2.16 0.00	32.66 2.35 -0.19	33.83 2.42 -1.17	36.75 2.79 -1.91	34.65 2.86 0.00	30.78 2.05 -1.80	26.39 1.90 -0.99	23.75 1.82 0.00
TRINITY___115KV__4 BK 55933	22.46 0.48 0.00	20.25 0.47 0.00	19.44 0.47 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.36 0.55 0.00	27.77 0.68 0.00	31.44 1.06 0.00	31.25 0.82 0.00	30.66 0.78 0.00	29.74 0.75 0.00	29.49 0.75 0.00	29.00 0.73 0.00	27.95 0.73 0.00	26.84 0.71 0.00	26.56 0.70 0.00	28.87 0.84 0.00	31.05 0.93 0.00	31.24 1.00 0.00	33.27 1.22 0.00	33.03 1.24 0.00	27.76 0.83 0.00	24.27 0.78 0.00	22.67 0.75 0.00
UNION___PROCESSING_DRP 323587	21.74 -0.24 0.00	19.48 -0.30 0.00	18.66 -0.30 0.00	18.42 -0.36 0.00	18.79 -0.34 0.00	21.51 -0.31 0.00	26.47 -0.62 0.00	29.58 -0.79 0.00	29.67 -0.76 0.00	28.51 -1.37 0.00	28.03 -0.96 0.00	27.71 -1.03 0.00	27.25 -1.02 0.00	26.18 -1.03 0.00	25.04 -1.10 0.00	24.75 -1.11 0.00	26.68 -1.35 0.00	28.46 -1.66 0.00	28.79 -1.45 0.00	30.80 -1.25 0.00	30.62 -1.18 0.00	25.66 -1.27 0.00	22.43 -1.06 0.00	20.99 -0.94 0.00
UPPER HUDSON___HYD 24058	22.51 0.53 0.00	20.21 0.43 0.00	19.42 0.45 0.00	19.26 0.49 0.00	19.69 0.56 0.00	22.47 0.65 0.00	28.06 0.97 0.00	31.74 1.37 0.00	31.70 1.28 0.00	30.90 1.02 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.20 1.08 0.00	31.36 1.12 0.00	33.50 1.44 0.00	33.32 1.53 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.65 0.72 0.00
UPPER RAQUET___HYD 24056	21.28 -0.70 0.00	19.12 -0.65 0.00	18.34 -0.63 0.00	18.19 -0.58 0.00	18.52 -0.61 0.00	21.16 -0.65 0.00	26.25 -0.84 0.00	29.28 -1.09 0.00	29.18 -1.25 0.00	29.01 -0.87 0.00	28.18 -0.81 0.00	27.82 -0.92 0.00	27.30 -0.96 0.00	26.29 -0.93 0.00	25.22 -0.92 0.00	24.99 -0.88 0.00	27.07 -0.95 0.00	29.10 -1.02 0.00	29.09 -1.15 0.00	30.61 -1.44 0.00	30.27 -1.53 0.00	25.90 -1.02 0.00	22.55 -0.94 0.00	20.92 -1.01 0.00
VALLEY44_115KV_TB2 355964	22.82 0.84 0.00	20.41 0.63 0.00	19.56 0.59 0.00	19.39 0.62 0.00	19.79 0.65 0.00	22.75 0.94 0.00	27.74 0.65 0.00	30.56 0.18 0.00	30.46 0.03 0.00	29.25 -0.63 0.00	28.84 -0.14 0.00	28.54 -0.20 0.00	28.12 -0.14 0.00	26.95 -0.27 0.00	25.80 -0.34 0.00	25.45 -0.41 0.00	27.33 -0.70 0.00	29.04 -1.08 0.00	29.21 -1.03 0.00	31.70 -0.35 0.00	31.54 -0.25 0.00	26.41 -0.51 0.00	23.04 -0.45 0.00	21.73 -0.20 0.00



VALLEY___115KV_TB 1-4 80826	22.29 0.31 0.00	20.03 0.26 0.00	19.20 0.23 0.00	19.00 0.23 0.00	19.35 0.21 0.00	22.05 0.24 0.00	27.36 0.27 0.00	30.80 0.43 0.00	30.76 0.33 0.00	30.21 0.33 0.00	29.37 0.38 0.00	29.09 0.34 0.00	28.60 0.34 0.00	27.55 0.33 0.00	26.40 0.26 0.00	26.12 0.26 0.00	28.31 0.28 0.00	30.39 0.27 0.00	30.51 0.27 0.00	32.37 0.32 0.00	32.05 0.25 0.00	27.01 0.08 0.00	23.54 0.05 0.00	21.93 0.00 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	23.39 1.41 0.00	21.02 1.25 0.00	20.18 1.21 0.00	20.03 1.26 0.00	20.38 1.24 0.00	23.34 1.53 0.00	29.01 1.92 0.00	33.11 2.73 0.00	33.04 2.62 0.00	32.42 2.54 0.00	31.54 2.55 0.00	31.21 2.47 0.00	30.72 2.46 0.00	29.56 2.34 0.00	28.28 2.14 0.00	27.96 2.10 0.00	30.21 2.19 0.00	32.41 2.29 0.00	32.54 2.30 0.00	34.78 2.72 0.00	34.53 2.73 0.00	29.00 2.07 0.00	25.32 1.83 0.00	23.55 1.62 0.00
VISCHER___FERRY HYD 24020	22.46 0.48 0.00	20.23 0.46 0.00	19.42 0.45 0.00	19.28 0.51 0.00	19.65 0.52 0.00	22.40 0.59 0.00	27.82 0.73 0.00	31.53 1.15 0.00	31.49 1.06 0.00	30.69 0.81 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.98 0.76 0.00	26.87 0.73 0.00	26.59 0.72 0.00	28.95 0.92 0.00	31.17 1.05 0.00	31.33 1.09 0.00	33.40 1.35 0.00	33.16 1.37 0.00	27.84 0.92 0.00	24.31 0.82 0.00	22.65 0.72 0.00
V_A_10_SYNC_DSASP 323832	21.50 -0.48 0.00	19.24 -0.53 0.00	18.46 -0.51 0.00	18.23 -0.55 0.00	18.58 -0.56 0.00	21.31 -0.50 0.00	26.12 -0.97 0.00	28.89 -1.49 0.00	29.15 -1.28 0.00	28.27 -1.61 0.00	27.34 -1.65 0.00	27.19 -1.55 0.00	26.66 -1.61 0.00	25.59 -1.63 0.00	24.47 -1.67 0.00	24.34 -1.53 0.00	25.98 -2.04 0.00	27.68 -2.44 0.00	27.94 -2.30 0.00	30.00 -2.05 0.00	29.89 -1.91 0.00	25.26 -1.67 0.00	21.96 -1.53 0.00	20.88 -1.05 0.00
V_CMM_10_SYNC_DSASP 323787	21.87 -0.11 0.00	19.68 -0.10 0.00	18.85 -0.11 0.00	18.68 -0.09 0.00	19.04 -0.10 0.00	21.71 -0.11 0.00	26.93 -0.16 0.00	29.95 -0.43 0.00	29.91 -0.52 0.00	29.70 -0.18 0.00	28.85 -0.14 0.00	28.57 -0.17 0.00	28.07 -0.20 0.00	27.03 -0.19 0.00	25.93 -0.21 0.00	25.69 -0.18 0.00	27.83 -0.19 0.00	29.88 -0.24 0.00	29.88 -0.36 0.00	31.41 -0.64 0.00	31.12 -0.67 0.00	26.63 -0.30 0.00	23.21 -0.28 0.00	21.62 -0.31 0.00
V_CMP_10_SYNC_DSASP 323788	22.77 0.79 0.00	20.47 0.69 0.00	19.63 0.66 0.00	19.45 0.67 0.00	19.81 0.67 0.00	22.62 0.81 0.00	27.50 0.41 0.00	30.65 0.27 0.00	30.55 0.12 0.00	31.02 1.14 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.58 0.44 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.66 0.54 0.00	30.57 0.33 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.23 -0.26 0.00	21.58 -0.35 0.00
V_D_10_SYNC_DSASP 323841	21.91 -0.07 0.00	19.71 -0.06 0.00	18.91 -0.06 0.00	18.74 -0.04 0.00	19.08 -0.06 0.00	21.77 -0.04 0.00	27.01 -0.08 0.00	30.07 -0.30 0.00	30.00 -0.43 0.00	29.79 -0.09 0.00	28.93 -0.06 0.00	28.63 -0.11 0.00	28.12 -0.14 0.00	27.08 -0.14 0.00	25.98 -0.16 0.00	25.74 -0.13 0.00	27.89 -0.14 0.00	29.91 -0.21 0.00	29.91 -0.33 0.00	31.48 -0.58 0.00	31.16 -0.64 0.00	26.66 -0.27 0.00	23.23 -0.26 0.00	21.64 -0.29 0.00
V_E_10_SYNC_DSASP 323830	23.83 1.85 0.00	21.37 1.60 0.00	20.50 1.54 0.00	20.33 1.56 0.00	20.67 1.53 0.00	23.73 1.92 0.00	29.58 2.49 0.00	33.56 3.19 0.00	33.53 3.11 0.00	32.54 2.66 0.00	31.51 2.52 0.00	31.16 2.41 0.00	30.64 2.37 0.00	29.40 2.18 0.00	28.05 1.91 0.00	27.86 1.99 0.00	30.10 2.07 0.00	32.38 2.26 0.00	32.66 2.42 0.00	35.00 2.95 0.00	34.72 2.92 0.00	29.05 2.13 0.00	25.28 1.78 0.00	23.59 1.67 0.00
V_F_30_NSYNC___DSASP 323816	22.68 0.70 0.00	20.39 0.61 0.00	19.59 0.63 0.00	19.43 0.66 0.00	19.85 0.71 0.00	22.62 0.81 0.00	28.17 1.08 0.00	31.86 1.49 0.00	31.83 1.40 0.00	31.02 1.14 0.00	30.15 1.16 0.00	29.86 1.12 0.00	29.40 1.13 0.00	28.28 1.06 0.00	27.16 1.02 0.00	26.82 0.96 0.00	29.18 1.15 0.00	31.39 1.26 0.00	31.54 1.30 0.00	33.65 1.60 0.00	33.45 1.65 0.00	28.08 1.16 0.00	24.52 1.03 0.00	22.83 0.90 0.00
V_F_30_SYNC_DSASP 323786	22.55 0.57 0.00	20.33 0.55 0.00	19.52 0.55 0.00	19.37 0.60 0.00	19.73 0.59 0.00	22.47 0.65 0.00	27.88 0.79 0.00	31.59 1.21 0.00	31.43 1.00 0.00	30.81 0.93 0.00	29.89 0.90 0.00	29.63 0.89 0.00	29.17 0.90 0.00	28.09 0.87 0.00	27.00 0.86 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.18 1.05 0.00	31.36 1.12 0.00	33.43 1.38 0.00	33.19 1.40 0.00	27.90 0.97 0.00	24.38 0.89 0.00	22.78 0.86 0.00
V_XM_10_SYNC_DSASP 323789	22.77 0.79 0.00	20.47 0.69 0.00	19.63 0.66 0.00	19.45 0.67 0.00	19.81 0.67 0.00	22.62 0.81 0.00	27.50 0.41 0.00	30.65 0.27 0.00	30.55 0.12 0.00	31.02 1.14 0.00	29.89 0.90 0.00	29.37 0.63 0.00	28.77 0.51 0.00	27.68 0.46 0.00	26.58 0.44 0.00	26.33 0.47 0.00	28.50 0.48 0.00	30.66 0.54 0.00	30.57 0.33 0.00	32.15 0.10 0.00	31.57 -0.22 0.00	26.85 -0.08 0.00	23.23 -0.26 0.00	21.58 -0.35 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	22.79 0.81 0.00	20.51 0.73 0.00	19.63 0.66 0.00	19.51 0.73 0.00	19.88 0.75 0.00	22.62 0.81 0.00	28.25 1.16 0.00	32.07 1.70 0.00	32.01 1.58 0.00	31.52 1.64 0.00	30.47 1.48 0.00	30.32 1.58 0.00	29.85 1.58 0.00	28.77 1.55 0.00	27.68 1.54 0.00	27.42 1.55 0.00	29.68 1.65 0.00	31.96 1.84 0.00	32.08 1.84 0.00	34.30 2.24 0.00	33.99 2.19 0.00	28.49 1.56 0.00	24.90 1.41 0.00	23.13 1.21 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.86 0.88 0.00	20.60 0.83 0.00	19.75 0.78 0.00	19.62 0.84 0.00	19.98 0.84 0.00	22.71 0.89 0.00	28.39 1.30 0.00	32.38 2.00 0.00	32.40 1.98 0.00	31.94 2.06 0.00	30.79 1.80 0.00	30.67 1.93 0.00	30.22 1.95 0.00	29.15 1.93 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.41 2.29 0.00	32.63 2.39 0.00	34.84 2.79 0.00	34.50 2.70 0.00	28.87 1.94 0.00	25.25 1.76 0.00	23.44 1.51 0.00
W50THST__13_KV_LOAD 356117	22.93 0.95 0.00	20.66 0.89 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.04 0.90 0.00	22.77 0.96 0.00	28.50 1.41 0.00	32.50 2.13 0.00	32.53 2.10 0.00	32.09 2.21 0.00	30.93 1.94 0.00	30.78 2.04 0.00	30.36 2.09 0.00	29.29 2.07 0.00	28.20 2.06 0.00	27.99 2.12 0.00	30.27 2.24 0.00	32.56 2.44 0.00	32.75 2.51 0.00	34.97 2.92 0.00	34.62 2.83 0.00	28.95 2.02 0.00	25.32 1.83 0.00	23.51 1.58 0.00
WADING RIVER_IC_1 23522	22.79 0.81 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.54 0.77 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.16 1.73 0.00	31.52 1.64 0.00	31.00 2.00 -0.01	30.88 2.13 -0.01	30.45 2.18 -0.01	29.27 2.04 -0.01	29.10 2.01 -0.95	29.73 2.04 -1.82	30.74 2.58 -0.14	39.61 2.80 -6.69	44.51 2.87 -11.40	39.07 3.17 -3.84	38.85 3.34 -3.72	35.04 2.53 -5.58	26.55 2.07 -0.99	23.69 1.75 -0.01



WADING RIVER_IC_2 23547	22.79 0.81 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.54 0.77 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.16 1.73 0.00	31.52 1.64 0.00	31.00 2.00 -0.01	30.88 2.13 -0.01	30.45 2.18 -0.01	29.27 2.04 -0.01	29.10 2.01 -0.95	29.73 2.04 -1.82	30.74 2.58 -0.14	39.61 2.80 -6.69	44.51 2.87 -11.40	39.07 3.17 -3.84	38.85 3.34 -3.72	35.04 2.53 -5.58	26.55 2.07 -0.99	23.69 1.75 -0.01
WADING RIVER_IC_3 23601	22.79 0.81 0.00	20.66 0.89 0.00	19.71 0.74 0.00	19.54 0.77 0.00	20.27 1.13 0.00	23.01 1.20 0.00	29.23 2.14 0.00	33.32 2.95 0.00	32.16 1.73 0.00	31.52 1.64 0.00	31.00 2.00 -0.01	30.88 2.13 -0.01	30.45 2.18 -0.01	29.27 2.04 -0.01	29.10 2.01 -0.95	29.73 2.04 -1.82	30.74 2.58 -0.14	39.61 2.80 -6.69	44.51 2.87 -11.40	39.07 3.17 -3.84	38.85 3.34 -3.72	35.04 2.53 -5.58	26.55 2.07 -0.99	23.69 1.75 -0.01
WALDENNY_12_KV_BK2 80841	22.18 0.20 0.00	19.83 0.06 0.00	18.99 0.02 0.00	18.79 0.02 0.00	19.16 0.02 0.00	21.99 0.17 0.00	26.82 -0.27 0.00	29.64 -0.73 0.00	29.73 -0.70 0.00	28.30 -1.58 0.00	28.03 -0.96 0.00	27.76 -0.98 0.00	27.36 -0.90 0.00	26.21 -1.01 0.00	25.04 -1.10 0.00	24.70 -1.16 0.00	26.51 -1.51 0.00	28.07 -2.05 0.00	28.37 -1.87 0.00	30.61 -1.44 0.00	30.52 -1.27 0.00	25.53 -1.40 0.00	22.27 -1.22 0.00	20.94 -0.99 0.00
WALDEN___HYDRO 24148	22.86 0.88 0.00	20.54 0.77 0.00	19.67 0.70 0.00	19.54 0.77 0.00	19.94 0.80 0.00	22.69 0.87 0.00	28.39 1.30 0.00	32.14 1.76 0.00	32.04 1.61 0.00	31.46 1.58 0.00	30.38 1.39 0.00	30.21 1.47 0.00	29.71 1.44 0.00	28.66 1.44 0.00	27.58 1.44 0.00	27.29 1.42 0.00	29.51 1.49 0.00	31.84 1.72 0.00	32.02 1.78 0.00	34.20 2.15 0.00	33.92 2.13 0.00	28.41 1.48 0.00	24.81 1.32 0.00	23.09 1.16 0.00
WARRENSBURG___ 23737	22.51 0.53 0.00	20.21 0.43 0.00	19.42 0.45 0.00	19.26 0.49 0.00	19.69 0.56 0.00	22.47 0.65 0.00	28.06 0.97 0.00	31.74 1.37 0.00	31.70 1.28 0.00	30.90 1.02 0.00	30.06 1.07 0.00	29.75 1.01 0.00	29.31 1.05 0.00	28.17 0.95 0.00	27.03 0.89 0.00	26.69 0.83 0.00	29.01 0.98 0.00	31.20 1.08 0.00	31.36 1.12 0.00	33.50 1.44 0.00	33.32 1.53 0.00	27.92 1.00 0.00	24.38 0.89 0.00	22.65 0.72 0.00
WATERSIDE___6 8 9 23538	22.86 0.88 0.00	20.60 0.83 0.00	19.73 0.76 0.00	19.62 0.84 0.00	19.96 0.82 0.00	22.64 0.83 0.00	28.34 1.25 0.00	32.32 1.94 0.00	32.34 1.92 0.00	31.91 2.03 0.00	30.73 1.74 0.00	30.61 1.87 0.00	30.19 1.92 0.00	29.12 1.91 0.00	28.07 1.93 0.00	27.86 1.99 0.00	30.16 2.13 0.00	32.44 2.32 0.00	32.63 2.39 0.00	34.81 2.76 0.00	34.46 2.67 0.00	28.89 1.97 0.00	25.30 1.81 0.00	23.49 1.56 0.00
WATKINRD_115KV_LN8_ILLION 55919	22.24 0.26 0.00	19.99 0.22 0.00	19.18 0.21 0.00	18.98 0.21 0.00	19.35 0.21 0.00	22.05 0.24 0.00	27.39 0.30 0.00	30.83 0.46 0.00	30.79 0.37 0.00	30.24 0.36 0.00	29.37 0.38 0.00	29.09 0.34 0.00	28.63 0.37 0.00	27.57 0.35 0.00	26.45 0.31 0.00	26.18 0.31 0.00	28.39 0.36 0.00	30.48 0.36 0.00	30.63 0.39 0.00	32.53 0.48 0.00	32.24 0.45 0.00	27.20 0.27 0.00	23.73 0.23 0.00	22.13 0.20 0.00
WATSON___69_KV_BK 1 55734	23.37 1.38 0.00	21.08 1.31 0.00	20.16 1.19 0.00	19.94 1.16 0.00	20.65 1.51 0.00	23.47 1.66 0.00	30.02 2.93 0.00	33.90 3.52 0.00	32.77 2.34 0.00	33.14 3.26 0.00	32.27 3.28 0.00	32.10 3.36 0.00	31.57 3.31 0.00	30.35 3.13 0.00	30.12 3.03 -0.95	30.76 3.08 -1.82	31.29 3.22 -0.04	36.04 3.49 -2.42	38.56 3.63 -4.69	38.76 4.13 -2.58	37.20 4.13 -1.28	33.12 3.10 -3.10	27.37 2.89 -0.99	24.60 2.68 0.00
WDELAWARE___HYD 323627	23.01 1.03 0.00	20.68 0.91 0.00	19.80 0.83 0.00	19.68 0.90 0.00	20.06 0.92 0.00	22.86 1.05 0.00	28.61 1.52 0.00	32.41 2.04 0.00	32.59 2.16 0.00	31.76 1.88 0.00	30.61 1.62 0.00	30.41 1.67 0.00	29.93 1.67 0.00	28.85 1.63 0.00	27.79 1.65 0.00	27.37 1.50 0.00	29.65 1.62 0.00	32.05 1.93 0.00	32.20 1.96 0.00	34.39 2.34 0.00	34.08 2.29 0.00	28.51 1.59 0.00	24.90 1.41 0.00	23.16 1.23 0.00
WEST BABYLON___IC 23714	23.17 1.19 0.00	20.90 1.13 0.00	19.99 1.02 0.00	19.79 1.01 0.00	20.46 1.32 0.00	23.25 1.44 0.00	29.69 2.60 0.00	33.50 3.13 0.00	32.43 2.01 0.00	32.78 2.90 0.00	31.89 2.90 0.00	31.70 2.96 0.00	31.20 2.94 0.00	30.00 2.78 0.00	29.78 2.69 -0.95	30.43 2.74 -1.82	30.92 2.89 -0.01	33.93 3.13 -0.67	35.44 3.27 -1.94	37.86 3.75 -2.06	35.82 3.75 -0.28	31.81 2.80 -2.09	27.09 2.61 -0.99	24.36 2.43 0.00
WEST CANADA___HYD 24049	22.07 0.09 0.00	19.87 0.10 0.00	19.06 0.10 0.00	18.87 0.09 0.00	19.23 0.10 0.00	21.92 0.11 0.00	27.25 0.16 0.00	30.65 0.27 0.00	30.70 0.27 0.00	30.09 0.21 0.00	29.16 0.17 0.00	28.94 0.20 0.00	28.46 0.20 0.00	27.41 0.19 0.00	26.32 0.18 0.00	26.05 0.18 0.00	28.25 0.22 0.00	30.36 0.24 0.00	30.48 0.24 0.00	32.41 0.35 0.00	32.11 0.32 0.00	27.12 0.19 0.00	23.68 0.19 0.00	22.08 0.15 0.00
WESTERN_NY_WIND 24143	22.16 0.18 0.00	19.79 0.02 0.00	18.97 0.00 0.00	18.72 -0.06 0.00	19.12 -0.02 0.00	21.94 0.13 0.00	26.90 -0.19 0.00	29.86 -0.52 0.00	29.91 -0.52 0.00	28.45 -1.43 0.00	28.12 -0.87 0.00	27.79 -0.95 0.00	27.30 -0.96 0.00	26.18 -1.03 0.00	25.01 -1.12 0.00	24.73 -1.14 0.00	26.57 -1.46 0.00	28.25 -1.87 0.00	28.64 -1.60 0.00	30.80 -1.25 0.00	30.71 -1.08 0.00	25.63 -1.29 0.00	22.43 -1.06 0.00	21.01 -0.92 0.00
WESTOVER___LESR 323668	22.79 0.81 0.00	20.45 0.67 0.00	19.61 0.64 0.00	19.47 0.69 0.00	19.87 0.73 0.00	22.71 0.89 0.00	28.07 0.98 0.00	31.50 1.12 0.00	31.40 0.97 0.00	30.60 0.72 0.00	29.77 0.78 0.00	29.52 0.78 0.00	29.06 0.79 0.00	27.95 0.73 0.00	26.82 0.68 0.00	26.49 0.62 0.00	28.62 0.59 0.00	30.66 0.54 0.00	30.88 0.64 0.00	33.11 1.06 0.00	32.84 1.05 0.00	27.57 0.65 0.00	24.05 0.56 0.00	22.52 0.59 0.00
WETHRSFD_WT_PWR 323626	21.91 -0.07 0.00	19.60 -0.18 0.00	18.76 -0.21 0.00	18.55 -0.22 0.00	18.91 -0.23 0.00	21.68 -0.13 0.00	26.55 -0.54 0.00	29.16 -1.22 0.00	29.45 -0.97 0.00	28.48 -1.40 0.00	27.54 -1.45 0.00	27.42 -1.32 0.00	26.82 -1.44 0.00	25.67 -1.55 0.00	24.52 -1.62 0.00	24.37 -1.50 0.00	25.98 -2.04 0.00	27.53 -2.59 0.00	27.73 -2.51 0.00	29.78 -2.28 0.00	29.63 -2.16 0.00	24.96 -1.96 0.00	21.66 -1.83 0.00	20.68 -1.25 0.00
WHAVSTOR_138KV_BK127 55557	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.18 1.44 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.58 1.44 0.00	27.34 1.47 0.00	29.60 1.57 0.00	31.84 1.72 0.00	31.99 1.75 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00



WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	22.73 0.75 0.00	20.45 0.67 0.00	19.57 0.61 0.00	19.45 0.68 0.00	19.83 0.69 0.00	22.56 0.74 0.00	28.15 1.06 0.00	31.95 1.58 0.00	31.89 1.46 0.00	31.40 1.52 0.00	30.35 1.36 0.00	30.18 1.44 0.00	29.73 1.47 0.00	28.66 1.44 0.00	27.58 1.44 0.00	27.34 1.47 0.00	29.60 1.57 0.00	31.84 1.72 0.00	31.99 1.75 0.00	34.20 2.15 0.00	33.89 2.10 0.00	28.41 1.48 0.00	24.83 1.34 0.00	23.09 1.16 0.00
WHITEHAL_115KV_TB1 80871	22.84 0.86 0.00	20.47 0.69 0.00	19.69 0.72 0.00	19.54 0.77 0.00	19.98 0.84 0.00	22.84 1.03 0.00	28.61 1.52 0.00	32.32 1.94 0.00	32.04 1.61 0.00	31.31 1.43 0.00	30.47 1.48 0.00	30.18 1.44 0.00	29.73 1.47 0.00	28.55 1.33 0.00	27.37 1.23 0.00	27.03 1.16 0.00	29.40 1.37 0.00	31.60 1.48 0.00	31.75 1.51 0.00	34.01 1.96 0.00	33.89 2.10 0.00	28.35 1.43 0.00	24.74 1.25 0.00	23.03 1.10 0.00
WHITEPLN_13_KV_LOAD 356215	22.97 0.99 0.00	20.66 0.89 0.00	19.82 0.85 0.00	19.69 0.92 0.00	20.06 0.92 0.00	22.77 0.96 0.00	28.58 1.49 0.00	32.62 2.25 0.00	32.62 2.19 0.00	32.09 2.21 0.00	31.02 2.03 0.00	30.84 2.10 0.00	30.38 2.12 0.00	29.29 2.07 0.00	28.18 2.04 0.00	27.96 2.10 0.00	30.24 2.21 0.00	32.56 2.44 0.00	32.75 2.51 0.00	35.00 2.95 0.00	34.75 2.96 0.00	29.00 2.07 0.00	25.37 1.88 0.00	23.55 1.62 0.00
WM_FLOYD_69_KV_BK2 356380	22.93 0.95 0.00	20.72 0.95 0.00	19.84 0.87 0.00	19.62 0.84 0.00	20.32 1.19 0.00	23.08 1.27 0.00	29.47 2.38 0.00	33.35 2.98 0.00	31.83 1.40 0.00	32.24 2.36 0.00	31.34 2.35 0.00	31.18 2.44 0.00	30.70 2.43 0.00	29.53 2.31 0.00	29.36 2.27 -0.95	30.01 2.33 -1.82	30.76 2.61 -0.13	39.55 2.83 -6.60	44.45 2.96 -11.25	39.17 3.30 -3.82	38.82 3.37 -3.66	35.04 2.58 -5.52	26.76 2.28 -0.99	23.97 2.04 0.00
WOODARD__115KV_TB2 355635	21.58 -0.40 0.00	19.40 -0.38 0.00	18.61 -0.36 0.00	18.34 -0.43 0.00	18.72 -0.42 0.00	21.36 -0.46 0.00	26.49 -0.60 0.00	29.77 -0.61 0.00	29.82 -0.61 0.00	29.07 -0.81 0.00	28.29 -0.70 0.00	28.02 -0.72 0.00	27.56 -0.71 0.00	26.51 -0.71 0.00	25.43 -0.71 0.00	25.14 -0.72 0.00	27.21 -0.81 0.00	29.22 -0.90 0.00	29.48 -0.76 0.00	31.32 -0.74 0.00	31.06 -0.73 0.00	26.17 -0.75 0.00	22.83 -0.66 0.00	21.36 -0.57 0.00
YORK___WARBASSE 23770	22.95 0.97 0.00	20.66 0.89 0.00	19.76 0.80 0.00	19.66 0.88 0.00	20.00 0.86 0.00	22.64 0.83 0.00	28.36 1.27 0.00	32.41 2.04 0.00	32.43 2.01 0.00	32.03 2.15 0.00	30.82 1.83 0.00	30.72 1.98 0.00	30.30 2.04 0.00	29.26 2.04 0.00	28.20 2.06 0.00	28.04 2.17 0.00	30.33 2.30 0.00	32.68 2.56 0.00	32.87 2.63 0.00	35.03 2.98 0.00	34.72 2.92 0.00	29.11 2.18 0.00	25.46 1.97 0.00	23.60 1.67 0.00