

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

06/09/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	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	19.76	18.20	17.91	17.79	19.03	19.65	21.11	24.17	26.55	24.24	22.23	23.11	22.56	23.25	23.33	24.02	29.85	27.28	26.73	26.43	26.59	22.41	22.29	22.23
24138	0.97	0.87	0.84	0.87	0.93	0.97	1.07	1.26	1.42	1.49	1.49	1.57	1.60	1.65	1.68	1.75	2.17	2.19	2.07	1.89	1.82	1.50	1.30	1.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	19.73	18.18	17.89	17.77	19.01	19.62	21.08	24.14	26.50	24.18	22.18	23.07	22.53	23.22	23.30	23.98	29.80	27.22	26.70	26.42	26.60	22.43	22.33	22.23
24260	0.95	0.85	0.83	0.84	0.92	0.94	1.05	1.23	1.37	1.44	1.44	1.53	1.56	1.61	1.64	1.71	2.12	2.13	2.04	1.89	1.83	1.52	1.34	1.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	19.73	18.18	17.89	17.77	19.01	19.62	21.08	24.14	26.50	24.18	22.18	23.07	22.53	23.22	23.30	23.98	29.80	27.22	26.70	26.42	26.60	22.43	22.33	22.23
24261	0.95	0.85	0.83	0.84	0.92	0.94	1.05	1.23	1.37	1.44	1.44	1.53	1.56	1.61	1.64	1.71	2.12	2.13	2.04	1.89	1.83	1.52	1.34	1.38
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	20.17	18.61	18.33	18.20	19.54	20.20	21.63	24.72	26.94	24.39	22.30	23.08	22.49	23.01	23.26	23.84	29.88	27.18	26.77	26.84	27.15	22.92	22.79	22.56
24011	1.39	1.28	1.26	1.27	1.45	1.51	1.59	1.81	1.81	1.65	1.56	1.55	1.53	1.40	1.60	1.58	2.20	2.09	2.12	2.30	2.39	2.01	1.80	1.71
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	20.35	18.77	18.49	18.36	19.73	20.39	21.82	24.96	27.14	24.58	22.48	23.28	22.69	23.20	23.43	24.04	30.13	27.38	27.00	27.10	27.43	23.16	23.03	22.77
23798	1.57	1.44	1.42	1.43	1.63	1.71	1.79	2.04	2.02	1.84	1.74	1.74	1.73	1.59	1.78	1.77	2.45	2.30	2.33	2.57	2.66	2.25	2.03	1.92
	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	20.17	18.61	18.33	18.20	19.54	20.20	21.63	24.72	26.94	24.39	22.30	23.08	22.49	23.01	23.26	23.84	29.88	27.18	26.77	26.84	27.15	22.92	22.79	22.56
24028	1.39	1.28	1.26	1.27	1.45	1.51	1.59	1.81	1.81	1.65	1.56	1.55	1.53	1.40	1.60	1.58	2.20	2.09	2.12	2.30	2.39	2.01	1.80	1.71
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	19.76	18.33	18.08	17.95	19.24	19.82	21.03	24.09	26.26	23.79	21.73	22.56	22.00	22.60	22.71	23.09	28.84	26.28	25.90	26.06	26.35	22.27	22.13	21.98
23527	0.98	1.00	1.02	1.02	1.14	1.14	0.99	1.18	1.13	1.05	1.00	1.02	1.04	0.99	1.06	0.82	1.16	1.20	1.24	1.53	1.59	1.36	1.14	1.13
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.98	17.54	17.30	17.16	18.37	18.95	20.23	23.15	25.34	22.99	21.00	21.80	21.27	21.89	21.98	22.52	28.07	25.57	25.13	25.07	25.31	21.37	21.30	21.21
24190	0.20	0.20	0.23	0.24	0.27	0.26	0.19	0.24	0.21	0.25	0.27	0.26	0.30	0.28	0.32	0.25	0.39	0.49	0.48	0.54	0.54	0.46	0.31	0.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.71	17.27	17.01	16.86	18.00	18.56	19.84	22.73	24.97	22.56	20.58	21.34	20.78	21.42	21.45	22.07	27.40	24.68	24.27	24.22	24.49	20.66	20.79	20.58
355683	-0.07	-0.07	-0.06	-0.07	-0.09	-0.12	-0.19	-0.18	-0.16	-0.18	-0.16	-0.20	-0.18	-0.19	-0.20	-0.20	-0.28	-0.41	-0.39	-0.32	-0.28	-0.24	-0.21	-0.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.98	17.54	17.30	17.16	18.37	18.95	20.23	23.15	25.34	22.99	21.00	21.80	21.27	21.89	21.98	22.52	28.07	25.57	25.13	25.07	25.31	21.37	21.30	21.21
23571	0.20	0.20	0.23	0.24	0.27	0.26	0.19	0.24	0.21	0.25	0.27	0.26	0.30	0.28	0.32	0.25	0.39	0.49	0.48	0.54	0.54	0.46	0.31	0.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	18.98	17.54	17.30	17.16	18.37	18.95	20.23	23.15	25.34	22.99	21.00	21.80	21.27	21.89	21.98	22.52	28.07	25.57	25.13	25.07	25.31	21.37	21.30	21.21
23572	0.20	0.20	0.23	0.24	0.27	0.26	0.19	0.24	0.21	0.25	0.27	0.26	0.30	0.28	0.32	0.25	0.39	0.49	0.48	0.54	0.54	0.46	0.31	0.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___3	18.98	17.54	17.30	17.16	18.37	18.95	20.23	23.15	25.34	22.99	21.00	21.80	21.27	21.89	21.98	22.52	28.07	25.57	25.13	25.07	25.31	21.37	21.30	21.21
23573	0.20	0.20	0.23	0.24	0.27	0.26	0.19	0.24	0.21	0.25	0.27	0.26	0.30	0.28	0.32	0.25	0.39	0.49	0.48	0.54	0.54	0.46	0.31	0.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___4 23574	18.98 0.20 0.00	17.54 0.20 0.00	17.30 0.23 0.00	17.16 0.24 0.00	18.37 0.27 0.00	18.95 0.26 0.00	20.23 0.19 0.00	23.15 0.24 0.00	25.34 0.21 0.00	22.99 0.25 0.00	21.00 0.27 0.00	21.80 0.26 0.00	21.27 0.30 0.00	21.89 0.28 0.00	21.98 0.32 0.00	22.52 0.25 0.00	28.07 0.39 0.00	25.57 0.49 0.00	25.13 0.48 0.00	25.07 0.54 0.00	25.31 0.54 0.00	21.37 0.46 0.00	21.30 0.31 0.00	21.21 0.36 0.00
ALBANY___LFGE 323615	19.17 0.39 0.00	17.71 0.38 0.00	17.47 0.40 0.00	17.34 0.41 0.00	18.55 0.46 0.00	19.13 0.45 0.00	20.43 0.40 0.00	23.40 0.49 0.00	25.61 0.48 0.00	23.23 0.49 0.00	21.23 0.49 0.00	22.04 0.51 0.00	21.50 0.54 0.00	22.13 0.52 0.00	22.22 0.57 0.00	22.77 0.50 0.00	28.39 0.71 0.00	25.85 0.77 0.00	25.40 0.74 0.00	25.34 0.81 0.00	25.59 0.82 0.00	21.60 0.69 0.00	21.51 0.52 0.00	21.41 0.57 0.00
ALCOA_PA_115KV_PL-6C 55860	18.87 0.09 0.00	17.41 0.08 0.00	17.15 0.09 0.00	17.00 0.08 0.00	18.15 0.06 0.00	18.72 0.03 0.00	20.01 -0.02 0.00	22.93 0.02 0.00	25.18 0.05 0.00	22.74 0.00 0.00	20.73 0.00 0.00	21.51 -0.03 0.00	20.94 -0.02 0.00	21.58 -0.02 0.00	21.61 -0.04 0.00	22.23 -0.04 0.00	27.57 -0.11 0.00	24.82 -0.27 0.00	24.42 -0.24 0.00	24.38 -0.16 0.00	24.68 -0.08 0.00	20.83 -0.07 0.00	20.94 -0.05 0.00	20.75 -0.10 0.00
ALCOA_RYNLDS___DRP 24188	18.87 0.09 0.00	17.41 0.08 0.00	17.15 0.09 0.00	17.00 0.08 0.00	18.15 0.06 0.00	18.72 0.03 0.00	20.01 -0.02 0.00	22.93 0.02 0.00	25.18 0.05 0.00	22.74 0.00 0.00	20.73 0.00 0.00	21.51 -0.03 0.00	20.94 -0.02 0.00	21.58 -0.02 0.00	21.61 -0.04 0.00	22.23 -0.04 0.00	27.57 -0.11 0.00	24.82 -0.27 0.00	24.42 -0.24 0.00	24.38 -0.16 0.00	24.68 -0.08 0.00	20.83 -0.07 0.00	20.94 -0.05 0.00	20.75 -0.10 0.00
ALCOA___DSASP 323711	18.88 0.09 0.00	17.42 0.08 0.00	17.15 0.09 0.00	17.00 0.07 0.00	18.15 0.06 0.00	18.71 0.03 0.00	20.01 -0.02 0.00	22.93 0.02 0.00	25.18 0.05 0.00	22.74 0.00 0.00	20.73 0.00 0.00	21.51 -0.03 0.00	20.94 -0.02 0.00	21.58 -0.02 0.00	21.61 -0.04 0.00	22.23 -0.04 0.00	27.57 -0.11 0.00	24.82 -0.27 0.00	24.42 -0.24 0.00	24.38 -0.16 0.00	24.68 -0.08 0.00	20.83 -0.07 0.00	20.94 -0.05 0.00	20.75 -0.10 0.00
ALLEGHENY___COGEN 23514	19.39 0.61 0.00	17.89 0.56 0.00	17.59 0.53 0.00	17.42 0.49 0.00	18.59 0.50 0.00	19.24 0.56 0.00	20.90 0.86 0.00	23.85 0.94 0.00	26.18 1.05 0.00	23.50 0.76 0.00	21.42 0.68 0.00	22.32 0.78 0.00	21.43 0.46 0.00	22.27 0.66 0.00	22.14 0.49 0.00	22.91 0.64 0.00	28.23 0.55 0.00	25.80 0.72 0.00	25.49 0.83 0.00	25.26 0.72 0.00	25.79 1.02 0.00	21.69 0.79 0.00	21.66 0.66 0.00	21.46 0.61 0.00
ALTAMONT_115KV_TB 2 55880	19.25 0.46 0.00	17.78 0.44 0.00	17.52 0.45 0.00	17.39 0.46 0.00	18.60 0.51 0.00	19.19 0.51 0.00	20.54 0.50 0.00	23.49 0.58 0.00	25.71 0.58 0.00	23.32 0.58 0.00	21.30 0.57 0.00	22.12 0.58 0.00	21.55 0.59 0.00	22.20 0.59 0.00	22.29 0.63 0.00	22.86 0.59 0.00	28.49 0.81 0.00	25.94 0.85 0.00	25.49 0.83 0.00	25.40 0.87 0.00	25.65 0.88 0.00	21.65 0.74 0.00	21.61 0.62 0.00	21.49 0.64 0.00
ALTONA_WT_PWR 323606	19.50 0.72 0.00	17.97 0.63 0.00	17.69 0.63 0.00	17.55 0.62 0.00	18.75 0.65 0.00	19.31 0.63 0.00	20.59 0.56 0.00	23.76 0.85 0.00	26.06 0.93 0.00	23.60 0.86 0.00	21.48 0.75 0.00	22.18 0.64 0.00	21.55 0.59 0.00	22.26 0.65 0.00	22.26 0.61 0.00	22.85 0.58 0.00	28.39 0.72 0.00	25.64 0.55 0.00	25.29 0.63 0.00	25.37 0.83 0.00	25.68 0.91 0.00	21.57 0.67 0.00	21.61 0.62 0.00	21.26 0.41 0.00
AMERICAN_REF_FUEL 24010	18.23 -0.55 0.00	16.92 -0.41 0.00	16.63 -0.44 0.00	16.44 -0.49 0.00	17.48 -0.62 0.00	18.03 -0.65 0.00	19.52 -0.52 0.00	22.09 -0.82 0.00	24.53 -0.60 0.00	22.50 -0.24 0.00	20.54 -0.20 0.00	21.29 -0.25 0.00	20.48 -0.48 0.00	21.23 -0.38 0.00	21.11 -0.55 0.00	21.78 -0.49 0.00	26.79 -0.89 0.00	24.31 -0.78 0.00	23.89 -0.76 0.00	23.57 -0.96 0.00	23.73 -1.04 0.00	19.91 -1.00 0.00	19.96 -1.04 0.00	20.13 -0.71 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	19.28 0.49 0.00	17.78 0.45 0.00	17.49 0.42 0.00	17.30 0.38 0.00	18.41 0.31 0.00	19.09 0.41 0.00	20.70 0.66 0.00	23.43 0.51 0.00	25.89 0.76 0.00	23.74 0.99 0.00	21.72 0.98 0.00	22.47 0.93 0.00	21.66 0.70 0.00	22.49 0.89 0.00	22.21 0.55 0.00	22.95 0.68 0.00	28.38 0.70 0.00	25.80 0.72 0.00	25.17 0.51 0.00	24.68 0.14 0.00	24.80 0.03 0.00	20.79 -0.11 0.00	20.70 -0.29 0.00	20.62 -0.23 0.00
ARTHUR_KILL_GT_1 23520	19.57 0.79 0.00	18.04 0.70 0.00	17.75 0.68 0.00	17.63 0.69 0.00	18.85 0.76 0.00	19.47 0.79 0.00	20.93 0.90 0.00	23.92 1.01 0.00	26.28 1.15 0.00	24.04 1.30 0.00	22.06 1.33 0.00	22.93 1.39 0.00	22.39 1.42 0.00	23.10 1.49 0.00	23.19 1.53 -0.01	23.84 1.57 -0.01	29.71 2.03 -0.01	27.18 2.08 -0.02	26.68 2.02 -0.01	26.43 1.89 -0.01	26.62 1.85 -0.01	22.46 1.56 0.00	22.33 1.34 0.00	22.25 1.40 0.00
ARTHUR_KILL_2 23512	19.53 0.75 0.00	17.99 0.66 0.00	17.71 0.64 0.00	17.59 0.66 0.00	18.81 0.71 0.00	19.42 0.74 0.00	20.88 0.84 0.00	23.87 0.96 0.00	26.21 1.09 0.00	23.99 1.25 0.00	22.01 1.28 0.00	22.87 1.33 0.00	22.33 1.36 0.00	23.04 1.43 0.00	23.13 1.47 -0.01	23.79 1.51 -0.01	29.64 1.96 -0.01	27.11 2.01 -0.02	26.61 1.94 -0.01	26.36 1.82 -0.01	26.55 1.78 -0.01	22.40 1.49 0.00	22.28 1.28 0.00	22.19 1.34 0.00
ARTHUR_KILL_3 23513	19.58 0.80 0.00	18.04 0.70 0.00	17.76 0.69 0.00	17.64 0.71 0.00	18.86 0.77 0.00	19.46 0.78 0.00	20.88 0.84 0.00	23.89 0.98 0.00	26.22 1.09 0.00	23.90 1.16 0.00	21.90 1.16 0.00	22.80 1.26 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.46 1.78 0.00	26.92 1.83 -0.01	26.41 1.74 0.00	26.13 1.59 0.00	26.31 1.54 0.00	22.19 1.28 0.00	22.08 1.08 0.00	22.02 1.17 0.00
ARTHUR_KILL_COGEN 323718	19.57 0.79 0.00	18.04 0.70 0.00	17.75 0.68 0.00	17.63 0.69 0.00	18.85 0.76 0.00	19.47 0.79 0.00	20.93 0.90 0.00	23.92 1.01 0.00	26.28 1.15 0.00	24.04 1.30 0.00	22.06 1.33 0.00	22.93 1.39 0.00	22.39 1.42 0.00	23.10 1.49 0.00	23.19 1.53 -0.01	23.84 1.57 -0.01	29.71 2.03 -0.01	27.18 2.08 -0.02	26.68 2.02 -0.01	26.43 1.89 -0.01	26.62 1.85 -0.01	22.46 1.56 0.00	22.33 1.34 0.00	22.25 1.40 0.00
ASHOKAN____ 23654	19.34 0.57 0.00	17.84 0.50 0.00	17.57 0.50 0.00	17.43 0.50 0.00	18.66 0.57 0.00	19.27 0.59 0.00	20.66 0.63 0.00	23.59 0.68 0.00	25.86 0.73 0.00	23.50 0.76 0.00	21.46 0.72 0.00	22.19 0.65 0.00	21.56 0.60 0.00	22.34 0.74 0.00	22.49 0.83 0.00	22.93 0.66 0.00	28.61 0.93 0.00	26.17 1.08 0.00	25.80 1.14 0.00	25.61 1.07 0.00	25.87 1.10 0.00	21.84 0.93 0.00	21.74 0.75 0.00	21.72 0.87 0.00



ASTORIA_EAST_ENERGY_CC1 323581	19.55 0.77 0.00	18.04 0.71 0.00	17.74 0.68 0.00	17.63 0.70 0.00	18.85 0.76 0.00	19.45 0.77 0.00	20.89 0.85 0.00	23.88 0.97 0.00	26.22 1.09 0.00	23.91 1.17 0.00	21.89 1.15 0.00	22.74 1.20 0.00	22.25 1.29 0.00	22.95 1.34 0.00	23.03 1.37 0.00	23.68 1.41 0.00	29.42 1.74 0.00	26.88 1.80 0.00	26.35 1.69 0.00	26.12 1.58 0.00	26.29 1.52 0.00	22.20 1.29 0.00	22.05 1.06 0.00	21.98 1.14 0.00
ASTORIA_EAST_ENERGY_CC2 323582	19.55 0.77 0.00	18.04 0.71 0.00	17.74 0.68 0.00	17.63 0.70 0.00	18.85 0.76 0.00	19.45 0.77 0.00	20.89 0.85 0.00	23.88 0.97 0.00	26.22 1.08 0.00	23.91 1.17 0.00	21.89 1.15 0.00	22.74 1.20 0.00	22.25 1.29 0.00	22.95 1.34 0.00	23.03 1.37 0.00	23.68 1.41 0.00	29.42 1.74 0.00	26.88 1.79 0.00	26.35 1.69 0.00	26.12 1.58 0.00	26.29 1.52 0.00	22.20 1.29 0.00	22.05 1.06 0.00	21.98 1.14 0.00
ASTORIA_GT2_1 24094	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT2_2 24095	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT2_3 24096	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT2_4 24097	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT3_1 24098	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT3_2 24099	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT3_3 24100	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT3_4 24101	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT4_1 24102	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT4_2 24103	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT4_3 24104	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT4_4 24105	19.56 0.78 0.00	18.05 0.71 0.00	17.75 0.68 0.00	17.63 0.71 0.00	18.87 0.77 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.89 0.98 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.38 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.14 1.60 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.10 1.11 0.00	22.00 1.15 0.00
ASTORIA_GT_1 23523	19.59 0.81 0.00	18.07 0.74 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.48 0.80 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.94 1.20 0.00	22.79 1.26 0.00	22.30 1.34 0.00	23.01 1.40 0.00	23.09 1.43 0.00	23.74 1.47 0.00	29.49 1.81 0.00	26.95 1.86 0.00	26.41 1.76 0.00	26.18 1.65 0.00	26.36 1.59 0.00	22.25 1.34 0.00	22.10 1.10 0.00	22.03 1.18 0.00



ASTORIA_GT_10 24110	19.59 0.81 0.00	18.05 0.72 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.39 0.00	22.19 1.20 0.00	22.10 1.25 0.00
ASTORIA_GT_11 24225	19.59 0.81 0.00	18.05 0.72 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.39 0.00	22.19 1.20 0.00	22.10 1.25 0.00
ASTORIA_GT_12 24226	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
ASTORIA_GT_13 24227	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
ASTORIA_GT_5 24106	19.59 0.81 0.00	18.07 0.74 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.48 0.80 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.94 1.20 0.00	22.79 1.26 0.00	22.30 1.34 0.00	23.01 1.40 0.00	23.09 1.43 0.00	23.74 1.47 0.00	29.49 1.81 0.00	26.95 1.86 0.00	26.41 1.76 0.00	26.18 1.65 0.00	26.36 1.59 0.00	22.25 1.34 0.00	22.10 1.10 0.00	22.03 1.18 0.00
ASTORIA_GT_7 24107	19.59 0.81 0.00	18.07 0.74 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.48 0.80 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.94 1.20 0.00	22.79 1.26 0.00	22.30 1.34 0.00	23.01 1.40 0.00	23.09 1.43 0.00	23.74 1.47 0.00	29.49 1.81 0.00	26.95 1.86 0.00	26.41 1.76 0.00	26.18 1.65 0.00	26.36 1.59 0.00	22.25 1.34 0.00	22.10 1.10 0.00	22.03 1.18 0.00
ASTORIA_GT_8 24108	19.59 0.81 0.00	18.07 0.74 0.00	17.78 0.71 0.00	17.66 0.73 0.00	18.89 0.80 0.00	19.47 0.79 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.94 1.20 0.00	22.79 1.25 0.00	22.31 1.35 0.00	23.00 1.39 0.00	23.09 1.43 0.00	23.74 1.47 0.00	29.49 1.81 0.00	26.95 1.86 0.00	26.41 1.75 0.00	26.18 1.65 0.00	26.36 1.59 0.00	22.25 1.34 0.00	22.13 1.14 0.00	22.03 1.18 0.00
ASTORIA___2 24149	19.56 0.78 0.00	18.04 0.71 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.86 0.77 0.00	19.46 0.78 0.00	20.90 0.86 0.00	23.89 0.99 0.00	26.23 1.10 0.00	23.92 1.18 0.00	21.90 1.16 0.00	22.75 1.21 0.00	22.26 1.30 0.00	22.96 1.35 0.00	23.04 1.39 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.89 1.81 0.00	26.36 1.70 0.00	26.13 1.60 0.00	26.31 1.55 0.00	22.21 1.30 0.00	22.06 1.07 0.00	22.00 1.15 0.00
ASTORIA___3 23516	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
ASTORIA___4 23517	19.59 0.81 0.00	18.05 0.72 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.89 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.39 0.00	22.19 1.20 0.00	22.10 1.25 0.00
ASTORIA___5 23518	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
AST_ENERGY_2_CC3 323677	19.61 0.83 0.00	18.06 0.73 0.00	17.79 0.72 0.00	17.67 0.73 0.00	18.89 0.79 0.00	19.50 0.82 0.00	20.91 0.88 0.00	23.93 1.02 0.00	26.27 1.14 0.00	23.95 1.21 0.00	21.96 1.23 0.00	22.84 1.30 0.00	22.31 1.35 0.00	23.00 1.39 0.00	23.09 1.43 0.00	23.76 1.49 0.00	29.52 1.84 0.00	26.97 1.88 0.00	26.46 1.80 0.00	26.19 1.65 0.00	26.36 1.60 0.00	22.23 1.33 0.00	22.12 1.13 0.00	22.06 1.21 0.00
AST_ENERGY_2_CC4 323678	19.61 0.83 0.00	18.06 0.73 0.00	17.79 0.72 0.00	17.67 0.73 0.00	18.89 0.79 0.00	19.50 0.82 0.00	20.91 0.88 0.00	23.93 1.02 0.00	26.27 1.14 0.00	23.95 1.21 0.00	21.96 1.23 0.00	22.84 1.30 0.00	22.31 1.35 0.00	23.00 1.39 0.00	23.09 1.43 0.00	23.76 1.49 0.00	29.52 1.84 0.00	26.97 1.88 0.00	26.46 1.80 0.00	26.19 1.65 0.00	26.36 1.60 0.00	22.23 1.33 0.00	22.12 1.13 0.00	22.06 1.21 0.00
ATHENS_STG_1 23668	19.31 0.53 0.00	17.82 0.48 0.00	17.55 0.48 0.00	17.42 0.49 0.00	18.64 0.54 0.00	19.24 0.55 0.00	20.61 0.58 0.00	23.58 0.67 0.00	25.83 0.70 0.00	23.46 0.72 0.00	21.45 0.72 0.00	22.29 0.75 0.00	21.73 0.77 0.00	22.38 0.77 0.00	22.46 0.81 0.00	23.06 0.79 0.00	28.71 1.03 0.00	26.15 1.07 0.00	25.70 1.04 0.00	25.56 1.02 0.00	25.78 1.01 0.00	21.76 0.86 0.00	21.72 0.73 0.00	21.61 0.76 0.00
ATHENS_STG_2 23670	19.31 0.53 0.00	17.82 0.48 0.00	17.55 0.48 0.00	17.42 0.49 0.00	18.64 0.54 0.00	19.24 0.55 0.00	20.61 0.58 0.00	23.58 0.67 0.00	25.83 0.70 0.00	23.46 0.72 0.00	21.45 0.72 0.00	22.29 0.75 0.00	21.73 0.77 0.00	22.38 0.77 0.00	22.46 0.81 0.00	23.06 0.79 0.00	28.71 1.03 0.00	26.15 1.07 0.00	25.70 1.04 0.00	25.56 1.02 0.00	25.78 1.01 0.00	21.76 0.86 0.00	21.72 0.73 0.00	21.61 0.76 0.00



ATHENS_STG_3 23677	19.31 0.53 0.00	17.82 0.48 0.00	17.55 0.48 0.00	17.42 0.49 0.00	18.64 0.54 0.00	19.24 0.55 0.00	20.61 0.58 0.00	23.58 0.67 0.00	25.83 0.70 0.00	23.46 0.72 0.00	21.45 0.72 0.00	22.29 0.75 0.00	21.73 0.77 0.00	22.38 0.77 0.00	22.46 0.81 0.00	23.06 0.79 0.00	28.71 1.03 0.00	26.15 1.07 0.00	25.70 1.04 0.00	25.56 1.02 0.00	25.78 1.01 0.00	21.76 0.86 0.00	21.72 0.73 0.00	21.61 0.76 0.00
AUBURN___LFGE 323710	18.89 0.11 0.00	17.46 0.13 0.00	17.16 0.09 0.00	17.01 0.09 0.00	18.22 0.12 0.00	18.83 0.15 0.00	20.41 0.38 0.00	23.35 0.45 0.00	25.65 0.52 0.00	23.18 0.44 0.00	21.09 0.35 0.00	21.87 0.34 0.00	21.23 0.27 0.00	21.95 0.34 0.00	21.97 0.31 0.00	22.61 0.34 0.00	28.07 0.38 0.00	25.50 0.41 0.00	25.08 0.42 0.00	24.89 0.35 0.00	25.13 0.36 0.00	21.19 0.28 0.00	21.25 0.25 0.00	20.99 0.14 0.00
BABYLON_RES_REC 323704	20.01 1.16 -0.07	18.90 1.10 -0.46	18.13 1.07 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.33 1.23 -0.42	22.07 1.37 -0.66	24.36 1.45 0.00	26.73 1.60 0.00	24.99 1.65 -0.60	28.06 1.62 -5.70	29.86 1.60 -6.72	28.38 1.56 -5.86	26.39 1.60 -3.18	33.87 1.69 -10.52	26.21 1.79 -2.16	29.85 2.19 0.02	28.49 2.36 -1.04	73.16 2.25 -46.25	56.60 2.23 -29.83	65.12 2.21 -38.15	46.12 1.82 -23.39	27.11 1.70 -4.42	26.86 1.67 -4.35
BABYLON__69_KV_BK2 356345	20.20 1.34 -0.07	19.07 1.28 -0.46	18.29 1.23 0.00	18.16 1.23 0.00	19.59 1.36 -0.13	20.49 1.39 -0.42	22.25 1.55 -0.66	24.56 1.65 0.00	26.95 1.83 0.00	25.19 1.85 -0.60	28.25 1.81 -5.70	30.05 1.80 -6.72	28.59 1.77 -5.86	26.59 1.80 -3.18	34.06 1.88 -10.52	26.43 2.01 -2.16	30.13 2.47 0.02	28.76 2.63 -1.04	73.41 2.47 -46.28	56.92 2.50 -29.88	65.42 2.50 -38.15	46.36 2.06 -23.39	27.35 1.94 -4.42	27.08 1.88 -4.35
BARON_WINDS___WT_PWR 323822	18.77 -0.01 0.00	17.32 -0.02 0.00	17.05 -0.02 0.00	16.89 -0.04 0.00	17.99 -0.10 0.00	18.64 -0.05 0.00	20.15 0.11 0.00	23.00 0.09 0.00	25.44 0.31 0.00	23.21 0.47 0.00	21.23 0.50 0.00	22.02 0.48 0.00	21.20 0.24 0.00	22.04 0.44 0.00	21.88 0.23 0.00	22.56 0.29 0.00	27.79 0.11 0.00	25.35 0.26 0.00	24.97 0.31 0.00	24.70 0.16 0.00	24.94 0.17 0.00	20.91 0.00 0.00	20.90 -0.09 0.00	20.72 -0.12 0.00
BARRETT_IC_1 23704	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_10 23701	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_11 23702	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_12 23703	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_2 23705	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_3 23706	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_4 23707	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_5 23708	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_6 23709	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_7 23710	19.98 1.12 -0.07	18.84 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.17 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.64 1.38 -6.72	28.22 1.41 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.77 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.85 1.44 -4.42	26.79 1.60 -4.35



BARRETT_IC_8 23711	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT_IC_9 23700	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT___1 23545	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BARRETT___2 23546	19.97 1.12 -0.07	18.83 1.04 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.33 1.11 -0.13	20.25 1.15 -0.42	21.86 1.16 -0.66	24.04 1.13 0.00	26.37 1.25 0.00	24.69 1.35 -0.60	27.86 1.42 -5.70	29.63 1.38 -6.72	28.22 1.40 -5.86	26.20 1.41 -3.18	33.60 1.42 -10.52	25.90 1.48 -2.16	28.79 1.78 0.67	28.06 1.93 -1.04	63.79 1.86 -37.27	40.76 1.78 -14.45	63.30 1.74 -36.79	45.01 1.46 -22.64	26.83 1.43 -4.42	26.79 1.60 -4.35
BATAVIA___115KV_TB1 55881	18.93 0.14 0.00	17.52 0.18 0.00	17.23 0.16 0.00	17.04 0.11 0.00	18.12 0.03 0.00	18.76 0.07 0.00	20.32 0.28 0.00	23.09 0.18 0.00	25.56 0.43 0.00	23.36 0.61 0.00	21.34 0.61 0.00	22.23 0.69 0.00	21.42 0.46 0.00	22.15 0.55 0.00	22.00 0.35 0.00	22.59 0.32 0.00	27.90 0.22 0.00	25.38 0.29 0.00	24.91 0.25 0.00	24.66 0.13 0.00	24.86 0.10 0.00	20.87 -0.04 0.00	20.82 -0.17 0.00	20.95 0.10 0.00
BAYONEEC___CTG1 323682	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG10 323750	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG2 323683	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG3 323684	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG4 323685	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG5 323686	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG6 323687	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG7 323688	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG8 323689	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00
BAYONEEC___CTG9 323749	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.90 0.00	23.96 1.05 0.00	26.30 1.18 0.00	23.99 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.34 1.38 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.55 1.87 0.00	27.01 1.92 0.00	26.50 1.84 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.27 1.36 0.00	22.16 1.17 0.00	22.09 1.25 0.00



BEACON___LESR 323632	19.25 0.47 0.00	17.78 0.44 0.00	17.52 0.45 0.00	17.39 0.46 0.00	18.60 0.51 0.00	19.20 0.52 0.00	20.52 0.48 0.00	23.50 0.59 0.00	25.71 0.58 0.00	23.33 0.59 0.00	21.31 0.58 0.00	22.11 0.58 0.00	21.56 0.60 0.00	22.21 0.60 0.00	22.29 0.64 0.00	22.84 0.57 0.00	28.50 0.82 0.00	25.98 0.89 0.00	25.55 0.89 0.00	25.47 0.93 0.00	25.70 0.94 0.00	21.70 0.79 0.00	21.60 0.61 0.00	21.52 0.67 0.00
BEAVER RIVER___HYD 24048	19.37 0.59 0.00	17.86 0.52 0.00	17.59 0.52 0.00	17.44 0.52 0.00	18.64 0.55 0.00	19.30 0.62 0.00	20.77 0.73 0.00	23.73 0.82 0.00	25.92 0.79 0.00	23.24 0.50 0.00	21.05 0.32 0.00	22.05 0.52 0.00	21.35 0.39 0.00	21.95 0.34 0.00	22.06 0.41 0.00	22.63 0.36 0.00	28.14 0.46 0.00	25.49 0.40 0.00	25.07 0.42 0.00	25.08 0.55 0.00	25.50 0.73 0.00	21.44 0.54 0.00	21.45 0.46 0.00	21.18 0.34 0.00
BEEBEE_GT_13 23619	18.74 -0.04 0.00	17.33 0.00 0.00	17.04 -0.02 0.00	16.87 -0.06 0.00	17.98 -0.11 0.00	18.59 -0.09 0.00	20.09 0.06 0.00	22.91 0.00 0.00	25.32 0.19 0.00	23.04 0.30 0.00	21.01 0.28 0.00	21.83 0.30 0.00	21.06 0.10 0.00	21.80 0.19 0.00	21.75 0.09 0.00	22.42 0.15 0.00	27.72 0.04 0.00	25.17 0.09 0.00	24.75 0.09 0.00	24.48 -0.05 0.00	24.68 -0.09 0.00	20.75 -0.16 0.00	20.77 -0.22 0.00	20.76 -0.08 0.00
BENSHRST_27_KV_BENSHRST_1 355998	19.75 0.97 0.00	18.19 0.85 0.00	17.90 0.83 0.00	17.77 0.84 0.00	19.00 0.90 0.00	19.62 0.94 0.00	21.09 1.06 0.00	24.14 1.23 0.00	26.52 1.39 0.00	24.20 1.46 0.00	22.20 1.47 0.00	23.10 1.56 0.00	22.57 1.61 0.00	23.30 1.69 0.00	23.38 1.72 -0.01	24.07 1.79 -0.01	29.92 2.23 -0.01	27.34 2.24 -0.02	26.84 2.17 -0.01	26.58 2.04 -0.01	26.76 1.99 -0.01	22.57 1.66 0.00	22.45 1.46 0.00	22.34 1.49 0.00
BETHLEHEM___GRP 23843	18.98 0.20 0.00	17.54 0.20 0.00	17.30 0.23 0.00	17.16 0.24 0.00	18.37 0.27 0.00	18.95 0.26 0.00	20.23 0.19 0.00	23.15 0.24 0.00	25.34 0.21 0.00	22.99 0.25 0.00	21.00 0.27 0.00	21.80 0.26 0.00	21.27 0.30 0.00	21.89 0.28 0.00	21.98 0.32 0.00	22.52 0.25 0.00	28.07 0.39 0.00	25.57 0.49 0.00	25.13 0.48 0.00	25.07 0.54 0.00	25.31 0.54 0.00	21.37 0.46 0.00	21.30 0.31 0.00	21.21 0.36 0.00
BETHLEHEM___GS1 323560	18.98 0.20 0.00	17.54 0.21 0.00	17.30 0.23 0.00	17.17 0.24 0.00	18.37 0.27 0.00	18.95 0.26 0.00	20.22 0.19 0.00	23.15 0.24 0.00	25.34 0.21 0.00	22.99 0.25 0.00	21.00 0.27 0.00	21.80 0.26 0.00	21.27 0.30 0.00	21.89 0.28 0.00	21.98 0.33 0.00	22.52 0.25 0.00	28.07 0.39 0.00	25.57 0.49 0.00	25.13 0.48 0.00	25.07 0.54 0.00	25.31 0.54 0.00	21.37 0.46 0.00	21.29 0.30 0.00	21.21 0.36 0.00
BETHLEHEM___GS2 323561	18.98 0.20 0.00	17.54 0.21 0.00	17.30 0.23 0.00	17.17 0.24 0.00	18.37 0.27 0.00	18.95 0.26 0.00	20.22 0.19 0.00	23.15 0.24 0.00	25.34 0.21 0.00	22.99 0.25 0.00	21.00 0.27 0.00	21.80 0.26 0.00	21.27 0.30 0.00	21.89 0.28 0.00	21.98 0.33 0.00	22.52 0.25 0.00	28.07 0.39 0.00	25.57 0.49 0.00	25.13 0.48 0.00	25.07 0.54 0.00	25.31 0.54 0.00	21.37 0.46 0.00	21.29 0.30 0.00	21.21 0.36 0.00
BETHLEHEM___GS3 323562	18.98 0.20 0.00	17.54 0.21 0.00	17.30 0.23 0.00	17.17 0.24 0.00	18.37 0.27 0.00	18.95 0.26 0.00	20.22 0.19 0.00	23.15 0.24 0.00	25.34 0.21 0.00	22.99 0.25 0.00	21.00 0.27 0.00	21.80 0.26 0.00	21.27 0.30 0.00	21.89 0.28 0.00	21.98 0.33 0.00	22.52 0.25 0.00	28.07 0.39 0.00	25.57 0.49 0.00	25.13 0.48 0.00	25.07 0.54 0.00	25.31 0.54 0.00	21.37 0.46 0.00	21.29 0.30 0.00	21.21 0.36 0.00
BETHLEHEM___STEEL 23779	18.74 -0.05 0.00	17.35 0.02 0.00	17.07 0.00 0.00	16.88 -0.05 0.00	17.94 -0.16 0.00	18.55 -0.13 0.00	20.09 0.05 0.00	22.80 -0.11 0.00	25.34 0.21 0.00	23.23 0.49 0.00	21.24 0.50 0.00	22.01 0.47 0.00	21.17 0.20 0.00	21.96 0.36 0.00	21.82 0.17 0.00	22.52 0.25 0.00	27.73 0.05 0.00	25.17 0.08 0.00	24.71 0.05 0.00	24.37 -0.17 0.00	24.55 -0.21 0.00	20.60 -0.31 0.00	20.56 -0.43 0.00	20.67 -0.17 0.00
BETHLHEM_115KV_TB1 79974	19.03 0.25 0.00	17.58 0.25 0.00	17.34 0.27 0.00	17.21 0.28 0.00	18.42 0.32 0.00	18.99 0.31 0.00	20.29 0.25 0.00	23.22 0.31 0.00	25.42 0.29 0.00	23.06 0.31 0.00	21.06 0.33 0.00	21.87 0.33 0.00	21.33 0.37 0.00	21.95 0.35 0.00	22.04 0.39 0.00	22.59 0.32 0.00	28.15 0.47 0.00	25.65 0.56 0.00	25.21 0.55 0.00	25.14 0.60 0.00	25.38 0.61 0.00	21.43 0.52 0.00	21.36 0.37 0.00	21.26 0.41 0.00
BETHPAGE_CC_5 323564	20.00 1.14 -0.07	18.87 1.08 -0.46	18.11 1.04 0.00	17.97 1.05 0.00	19.38 1.16 -0.13	20.29 1.19 -0.42	22.00 1.30 -0.66	24.27 1.36 0.00	26.65 1.52 0.00	24.94 1.60 -0.60	28.01 1.57 -5.70	29.83 1.58 -6.72	28.38 1.56 -5.86	26.34 1.56 -3.18	33.79 1.61 -10.52	26.13 1.71 -2.16	29.76 2.10 0.03	28.37 2.24 -1.04	72.94 2.14 -46.14	56.30 2.12 -29.64	64.98 2.08 -38.13	46.04 1.75 -23.38	27.04 1.64 -4.42	26.84 1.65 -4.35
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	18.78 0.00 0.00	17.39 0.06 0.00	17.11 0.04 0.00	16.92 -0.01 0.00	17.98 -0.12 0.00	18.60 -0.09 0.00	20.14 0.10 0.00	22.87 -0.04 0.00	25.43 0.30 0.00	23.30 0.56 0.00	21.30 0.57 0.00	22.08 0.55 0.00	21.22 0.26 0.00	22.02 0.42 0.00	21.89 0.23 0.00	22.58 0.31 0.00	27.81 0.13 0.00	25.24 0.15 0.00	24.78 0.12 0.00	24.44 -0.10 0.00	24.62 -0.15 0.00	20.66 -0.25 0.00	20.63 -0.37 0.00	20.72 -0.13 0.00
BINGHAMTON___COGEN 23790	18.91 0.13 0.00	17.43 0.10 0.00	17.16 0.09 0.00	17.02 0.09 0.00	18.17 0.08 0.00	18.82 0.14 0.00	20.29 0.26 0.00	23.20 0.29 0.00	25.51 0.38 0.00	23.16 0.42 0.00	21.18 0.45 0.00	21.99 0.45 0.00	21.31 0.35 0.00	22.06 0.45 0.00	22.04 0.39 0.00	22.70 0.43 0.00	28.16 0.48 0.00	25.63 0.54 0.00	25.16 0.50 0.00	24.93 0.39 0.00	25.15 0.38 0.00	21.19 0.28 0.00	21.22 0.22 0.00	21.10 0.25 0.00
BIXINCNT_115KV_LOAD 355685	18.95 0.17 0.00	17.55 0.21 0.00	17.30 0.23 0.00	17.12 0.19 0.00	18.14 0.04 0.00	18.80 0.11 0.00	20.39 0.35 0.00	23.18 0.27 0.00	25.78 0.64 0.00	23.57 0.83 0.00	21.55 0.81 0.00	22.29 0.75 0.00	21.40 0.43 0.00	22.18 0.58 0.00	22.04 0.38 0.00	22.87 0.60 0.00	28.12 0.44 0.00	25.45 0.36 0.00	24.96 0.30 0.00	24.68 0.14 0.00	24.92 0.16 0.00	20.94 0.03 0.00	20.85 -0.14 0.00	20.86 0.01 0.00
BLACK RIVER___HYD 24047	19.48 0.70 0.00	17.94 0.61 0.00	17.69 0.62 0.00	17.54 0.61 0.00	18.75 0.66 0.00	19.43 0.75 0.00	20.94 0.91 0.00	23.89 0.98 0.00	26.03 0.90 0.00	23.22 0.48 0.00	21.01 0.27 0.00	22.14 0.60 0.00	21.40 0.43 0.00	21.98 0.37 0.00	22.07 0.41 0.00	22.61 0.34 0.00	28.17 0.49 0.00	25.61 0.53 0.00	25.21 0.55 0.00	25.21 0.67 0.00	25.66 0.89 0.00	21.58 0.68 0.00	21.57 0.57 0.00	21.30 0.45 0.00



BLACKRVR_115KV_TB2 79977	19.47 0.69 0.00	17.94 0.61 0.00	17.69 0.62 0.00	17.54 0.61 0.00	18.75 0.66 0.00	19.44 0.75 0.00	20.95 0.91 0.00	23.89 0.98 0.00	26.03 0.90 0.00	23.22 0.48 0.00	21.01 0.27 0.00	22.14 0.60 0.00	21.39 0.43 0.00	21.98 0.37 0.00	22.07 0.42 0.00	22.61 0.34 0.00	28.17 0.49 0.00	25.61 0.53 0.00	25.21 0.55 0.00	25.21 0.67 0.00	25.66 0.89 0.00	21.58 0.68 0.00	21.56 0.57 0.00	21.30 0.46 0.00
BLISS_WT_PWR 323608	18.94 0.16 0.00	17.55 0.21 0.00	17.30 0.23 0.00	17.10 0.18 0.00	18.12 0.03 0.00	18.77 0.09 0.00	20.38 0.35 0.00	23.18 0.27 0.00	25.79 0.67 0.00	23.58 0.84 0.00	21.55 0.81 0.00	22.27 0.74 0.00	21.39 0.43 0.00	22.15 0.54 0.00	21.99 0.33 0.00	22.87 0.60 0.00	28.12 0.44 0.00	25.41 0.33 0.00	24.92 0.26 0.00	24.67 0.14 0.00	24.94 0.17 0.00	20.96 0.05 0.00	20.90 -0.09 0.00	20.81 -0.04 0.00
BLUE_CIRC_CHEM_DRP 24182	19.29 0.51 0.00	17.83 0.50 0.00	17.58 0.51 0.00	17.45 0.52 0.00	18.67 0.58 0.00	19.27 0.59 0.00	20.59 0.56 0.00	23.55 0.64 0.00	25.77 0.64 0.00	23.36 0.62 0.00	21.32 0.59 0.00	22.10 0.56 0.00	21.54 0.58 0.00	22.21 0.61 0.00	22.29 0.64 0.00	22.85 0.58 0.00	28.47 0.79 0.00	25.94 0.85 0.00	25.49 0.83 0.00	25.43 0.89 0.00	25.68 0.91 0.00	21.68 0.78 0.00	21.62 0.62 0.00	21.50 0.65 0.00
BOC_GAS_DRP 24189	19.16 0.38 0.00	17.70 0.37 0.00	17.44 0.37 0.00	17.31 0.38 0.00	18.53 0.43 0.00	19.11 0.43 0.00	20.45 0.41 0.00	23.39 0.48 0.00	25.60 0.47 0.00	23.24 0.49 0.00	21.23 0.49 0.00	22.04 0.50 0.00	21.49 0.53 0.00	22.12 0.52 0.00	22.21 0.55 0.00	22.78 0.51 0.00	28.37 0.69 0.00	25.83 0.75 0.00	25.40 0.74 0.00	25.29 0.76 0.00	25.53 0.76 0.00	21.56 0.65 0.00	21.51 0.52 0.00	21.40 0.55 0.00
BOONVILLE_115KV_TB1 79983	19.27 0.49 0.00	17.76 0.42 0.00	17.50 0.43 0.00	17.35 0.42 0.00	18.55 0.45 0.00	19.20 0.52 0.00	20.63 0.60 0.00	23.57 0.66 0.00	25.81 0.69 0.00	23.28 0.53 0.00	21.17 0.43 0.00	22.04 0.50 0.00	21.41 0.44 0.00	22.04 0.44 0.00	22.14 0.49 0.00	22.73 0.46 0.00	28.26 0.58 0.00	25.60 0.51 0.00	25.17 0.51 0.00	25.12 0.58 0.00	25.44 0.67 0.00	21.42 0.51 0.00	21.43 0.44 0.00	21.26 0.41 0.00
BORALEX_4TH_BRANCH 23824	19.76 0.98 0.00	18.33 1.00 0.00	18.08 1.02 0.00	17.95 1.02 0.00	19.24 1.14 0.00	19.82 1.14 0.00	21.03 0.99 0.00	24.09 1.18 0.00	26.26 1.13 0.00	23.79 1.05 0.00	21.73 1.00 0.00	22.56 1.02 0.00	22.00 1.04 0.00	22.60 0.99 0.00	22.71 1.06 0.00	23.09 0.82 0.00	28.84 1.16 0.00	26.28 1.20 0.00	25.90 1.24 0.00	26.06 1.53 0.00	26.35 1.59 0.00	22.27 1.36 0.00	22.13 1.14 0.00	21.98 1.13 0.00
BOWLINE___1 23526	19.47 0.69 0.00	17.94 0.60 0.00	17.66 0.59 0.00	17.54 0.61 0.00	18.76 0.66 0.00	19.36 0.68 0.00	20.80 0.76 0.00	23.79 0.88 0.00	26.11 0.98 0.00	23.79 1.05 0.00	21.80 1.06 0.00	22.68 1.15 0.00	22.13 1.17 0.00	22.83 1.22 0.00	22.91 1.26 0.00	23.57 1.30 0.00	29.32 1.64 0.00	26.76 1.67 0.00	26.25 1.59 0.00	25.99 1.46 0.00	26.19 1.42 0.00	22.10 1.19 0.00	22.03 1.04 0.00	21.95 1.10 0.00
BOWLINE___2 23595	19.47 0.69 0.00	17.94 0.60 0.00	17.66 0.59 0.00	17.54 0.61 0.00	18.76 0.66 0.00	19.36 0.68 0.00	20.80 0.77 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.79 1.05 0.00	21.80 1.07 0.00	22.68 1.15 0.00	22.13 1.17 0.00	22.83 1.22 0.00	22.91 1.26 0.00	23.57 1.30 0.00	29.32 1.64 0.00	26.76 1.67 0.00	26.25 1.59 0.00	25.99 1.46 0.00	26.19 1.42 0.00	22.10 1.19 0.00	22.03 1.04 0.00	21.95 1.10 0.00
BRADY___115KV_TB2 356060	19.06 0.28 0.00	17.58 0.24 0.00	17.32 0.25 0.00	17.17 0.24 0.00	18.33 0.23 0.00	18.91 0.23 0.00	20.25 0.21 0.00	23.20 0.29 0.00	25.45 0.32 0.00	22.99 0.25 0.00	20.95 0.21 0.00	21.72 0.18 0.00	21.13 0.17 0.00	21.78 0.18 0.00	21.79 0.14 0.00	22.41 0.14 0.00	27.79 0.11 0.00	24.99 -0.10 0.00	24.62 -0.04 0.00	24.62 0.08 0.00	24.99 0.22 0.00	21.09 0.19 0.00	21.18 0.19 0.00	20.95 0.10 0.00
BRANSCOMB___SOLAR 323811	19.85 1.07 0.00	18.33 1.00 0.00	18.06 0.99 0.00	17.93 1.00 0.00	19.23 1.13 0.00	19.85 1.17 0.00	21.23 1.19 0.00	24.28 1.37 0.00	26.49 1.36 0.00	23.99 1.25 0.00	21.90 1.17 0.00	22.70 1.16 0.00	22.14 1.18 0.00	22.72 1.11 0.00	22.92 1.26 0.00	23.44 1.18 0.00	29.30 1.62 0.00	26.68 1.60 0.00	26.27 1.61 0.00	26.30 1.76 0.00	26.60 1.84 0.00	22.45 1.55 0.00	22.36 1.36 0.00	22.17 1.32 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	20.12 1.26 -0.07	19.01 1.22 -0.46	18.24 1.17 0.00	18.10 1.17 0.00	19.53 1.31 -0.13	20.43 1.33 -0.42	22.19 1.49 -0.66	24.49 1.58 0.00	26.88 1.75 0.00	25.12 1.78 -0.60	28.18 1.74 -5.70	29.93 1.68 -6.72	28.50 1.68 -5.86	26.45 1.66 -3.18	33.97 1.79 -10.52	26.34 1.92 -2.16	30.03 2.35 0.00	28.63 2.50 -1.04	73.39 2.25 -46.48	57.12 2.36 -30.23	65.33 2.38 -38.18	46.26 1.95 -23.41	27.24 1.83 -4.42	26.97 1.77 -4.35
BRISTLHL_115KV_TB1 79998	18.58 -0.20 0.00	17.15 -0.18 0.00	16.88 -0.18 0.00	16.74 -0.19 0.00	17.89 -0.20 0.00	18.50 -0.19 0.00	19.91 -0.12 0.00	22.75 -0.16 0.00	24.94 -0.19 0.00	22.52 -0.23 0.00	20.44 -0.29 0.00	21.25 -0.29 0.00	20.64 -0.32 0.00	21.28 -0.33 0.00	21.33 -0.32 0.00	21.95 -0.32 0.00	27.27 -0.41 0.00	24.78 -0.31 0.00	24.35 -0.31 0.00	24.19 -0.34 0.00	24.42 -0.34 0.00	20.62 -0.29 0.00	20.74 -0.25 0.00	20.64 -0.21 0.00
BROOKHAVEN___DRP 24191	19.89 1.03 -0.07	18.84 1.04 -0.46	18.09 1.03 0.00	17.96 1.03 0.00	19.39 1.17 -0.13	20.25 1.15 -0.42	21.95 1.25 -0.66	24.17 1.25 0.00	26.52 1.39 0.00	24.77 1.43 -0.60	27.84 1.40 -5.70	29.64 1.39 -6.72	28.18 1.36 -5.86	26.13 1.34 -3.18	33.58 1.41 -10.52	25.97 1.54 -2.16	29.61 1.93 0.00	28.28 2.15 -1.04	73.27 2.13 -46.48	56.90 2.13 -30.23	65.05 2.10 -38.18	46.00 1.69 -23.41	26.97 1.55 -4.42	26.68 1.49 -4.35
BROOKLYN_NAVY_YARD 23515	19.61 0.83 0.00	18.07 0.74 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.31 1.18 0.00	23.99 1.25 0.00	21.98 1.25 0.00	22.87 1.33 0.00	22.33 1.37 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.54 1.86 0.00	27.00 1.92 0.00	26.48 1.82 0.00	26.22 1.68 0.00	26.40 1.63 0.00	22.26 1.36 0.00	22.17 1.18 0.00	22.09 1.24 0.00
BROOKLYN___ARMY_DRP 323595	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00



BROOKVLE_69_KV_TB1 55790	19.95 1.10 -0.07	18.81 1.02 -0.46	18.04 0.98 0.00	17.91 0.98 0.00	19.31 1.08 -0.13	20.21 1.11 -0.42	21.93 1.23 -0.66	24.25 1.34 0.00	26.63 1.50 0.00	24.91 1.57 -0.60	28.02 1.58 -5.70	29.89 1.63 -6.72	28.46 1.64 -5.86	26.46 1.67 -3.18	33.89 1.71 -10.52	26.22 1.79 -2.16	29.79 2.13 0.03	28.34 2.21 -1.04	72.91 2.19 -46.06	56.06 2.02 -29.51	64.85 1.97 -38.12	45.96 1.68 -23.37	26.97 1.56 -4.42	26.78 1.58 -4.35
BROOME_2_LFGE 323671	18.91 0.13 0.00	17.43 0.10 0.00	17.16 0.09 0.00	17.02 0.09 0.00	18.17 0.08 0.00	18.82 0.14 0.00	20.29 0.25 0.00	23.20 0.29 0.00	25.51 0.38 0.00	23.16 0.42 0.00	21.18 0.45 0.00	21.99 0.45 0.00	21.31 0.35 0.00	22.06 0.45 0.00	22.04 0.39 0.00	22.70 0.43 0.00	28.16 0.48 0.00	25.63 0.54 0.00	25.16 0.50 0.00	24.92 0.39 0.00	25.15 0.38 0.00	21.19 0.28 0.00	21.23 0.24 0.00	21.10 0.25 0.00
BROOME__LFGE 323600	18.91 0.13 0.00	17.43 0.10 0.00	17.16 0.09 0.00	17.02 0.09 0.00	18.17 0.08 0.00	18.82 0.14 0.00	20.29 0.25 0.00	23.20 0.29 0.00	25.51 0.38 0.00	23.16 0.42 0.00	21.18 0.45 0.00	21.99 0.45 0.00	21.31 0.35 0.00	22.06 0.45 0.00	22.04 0.39 0.00	22.70 0.43 0.00	28.16 0.48 0.00	25.63 0.54 0.00	25.16 0.50 0.00	24.92 0.39 0.00	25.15 0.38 0.00	21.19 0.28 0.00	21.23 0.24 0.00	21.10 0.25 0.00
BROWNFLS_115KV_TB_3_5 80003	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.12 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.13 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.32 0.00	21.04 0.19 0.00
BROWNSV1_27_KV_LOAD 356125	19.79 1.01 0.00	18.23 0.89 0.00	17.94 0.87 0.00	17.81 0.88 0.00	19.05 0.96 0.00	19.66 0.98 0.00	21.12 1.09 0.00	24.18 1.27 0.00	26.56 1.43 0.00	24.24 1.49 0.00	22.22 1.48 0.00	23.12 1.58 0.00	22.57 1.61 0.00	23.27 1.66 0.00	23.35 1.70 0.00	24.04 1.77 0.00	29.86 2.19 0.00	27.30 2.21 0.00	26.77 2.11 0.00	26.50 1.96 0.00	26.67 1.91 0.00	22.49 1.59 0.00	22.40 1.40 0.00	22.30 1.45 0.00
BURROWS__LYONSDAL 23803	19.31 0.53 0.00	17.79 0.45 0.00	17.53 0.46 0.00	17.38 0.45 0.00	18.58 0.48 0.00	19.24 0.55 0.00	20.67 0.64 0.00	23.62 0.71 0.00	25.85 0.72 0.00	23.28 0.54 0.00	21.15 0.41 0.00	22.05 0.52 0.00	21.41 0.44 0.00	22.02 0.42 0.00	22.14 0.48 0.00	22.72 0.45 0.00	28.26 0.58 0.00	25.59 0.50 0.00	25.16 0.50 0.00	25.13 0.59 0.00	25.47 0.70 0.00	21.43 0.52 0.00	21.43 0.44 0.00	21.24 0.39 0.00
CAITHNESS_CC_1 323624	19.88 1.03 -0.07	18.82 1.03 -0.46	18.09 1.02 0.00	17.96 1.03 0.00	19.38 1.15 -0.13	20.26 1.16 -0.42	21.96 1.26 -0.66	24.19 1.27 0.00	26.53 1.40 0.00	24.79 1.45 -0.60	27.87 1.43 -5.70	29.67 1.42 -6.72	28.19 1.38 -5.86	26.16 1.37 -3.18	33.61 1.43 -10.52	25.99 1.56 -2.16	29.62 1.94 0.00	28.29 2.16 -1.04	73.28 2.14 -46.48	56.89 2.13 -30.23	65.04 2.09 -38.18	46.00 1.69 -23.41	26.96 1.55 -4.42	26.69 1.49 -4.35
CALPINE BETH_PAGE_GT4 24209	20.01 1.15 -0.07	18.88 1.09 -0.46	18.11 1.04 0.00	17.97 1.04 0.00	19.38 1.15 -0.13	20.28 1.18 -0.42	21.97 1.27 -0.66	24.24 1.33 0.00	26.62 1.49 0.00	24.90 1.56 -0.60	27.98 1.54 -5.70	29.81 1.55 -6.72	28.36 1.54 -5.86	26.28 1.49 -3.18	33.72 1.54 -10.52	26.05 1.62 -2.16	29.66 2.01 0.03	28.29 2.16 -1.04	72.75 2.07 -46.02	56.05 2.08 -29.44	64.91 2.04 -38.11	46.01 1.74 -23.37	27.06 1.65 -4.42	26.84 1.65 -4.35
CALPINE_BETH_PAGE_GT_4 323586	20.00 1.15 -0.07	18.87 1.07 -0.46	18.11 1.04 0.00	17.97 1.05 0.00	19.38 1.15 -0.13	20.28 1.18 -0.42	21.97 1.27 -0.66	24.24 1.33 0.00	26.62 1.49 0.00	24.90 1.56 -0.60	27.98 1.54 -5.70	29.81 1.56 -6.72	28.35 1.54 -5.86	26.28 1.49 -3.18	33.72 1.54 -10.52	26.05 1.62 -2.16	29.66 2.02 0.03	28.29 2.16 -1.04	72.75 2.07 -46.02	56.05 2.08 -29.44	64.91 2.04 -38.11	46.01 1.73 -23.37	27.04 1.63 -4.42	26.84 1.65 -4.35
CALPINE_BP_GT1 23823	20.00 1.15 -0.07	18.87 1.07 -0.46	18.11 1.04 0.00	17.97 1.05 0.00	19.38 1.15 -0.13	20.28 1.18 -0.42	21.97 1.27 -0.66	24.24 1.33 0.00	26.62 1.49 0.00	24.90 1.56 -0.60	27.98 1.54 -5.70	29.81 1.56 -6.72	28.35 1.54 -5.86	26.28 1.49 -3.18	33.72 1.54 -10.52	26.05 1.62 -2.16	29.66 2.02 0.03	28.29 2.16 -1.04	72.75 2.07 -46.02	56.05 2.08 -29.44	64.91 2.04 -38.11	46.01 1.73 -23.37	27.04 1.63 -4.42	26.84 1.65 -4.35
CALSPAN__DRP 24200	18.74 -0.05 0.00	17.35 0.02 0.00	17.07 0.00 0.00	16.88 -0.05 0.00	17.94 -0.16 0.00	18.55 -0.13 0.00	20.09 0.05 0.00	22.80 -0.11 0.00	25.34 0.21 0.00	23.23 0.49 0.00	21.24 0.50 0.00	22.01 0.47 0.00	21.17 0.20 0.00	21.96 0.36 0.00	21.82 0.17 0.00	22.52 0.25 0.00	27.73 0.05 0.00	25.17 0.08 0.00	24.71 0.05 0.00	24.37 -0.17 0.00	24.55 -0.21 0.00	20.60 -0.31 0.00	20.56 -0.43 0.00	20.67 -0.17 0.00
CALVERTON__SOLAR 323806	19.90 1.05 -0.07	18.85 1.06 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.43 1.20 -0.13	20.30 1.20 -0.42	21.98 1.28 -0.66	24.19 1.28 0.00	26.54 1.41 0.00	24.79 1.45 -0.60	27.86 1.42 -5.70	29.67 1.41 -6.72	28.19 1.37 -5.86	26.15 1.35 -3.18	33.60 1.42 -10.52	25.99 1.56 -2.16	29.64 1.97 0.00	28.32 2.19 -1.04	73.32 2.19 -46.48	56.95 2.19 -30.23	65.10 2.15 -38.18	46.04 1.72 -23.41	26.98 1.57 -4.42	26.71 1.52 -4.35
CANDIGU_WT_PWR 323617	18.77 -0.01 0.00	17.32 -0.02 0.00	17.05 -0.02 0.00	16.89 -0.04 0.00	17.99 -0.10 0.00	18.64 -0.05 0.00	20.15 0.11 0.00	23.00 0.09 0.00	25.44 0.31 0.00	23.21 0.47 0.00	21.23 0.50 0.00	22.02 0.48 0.00	21.20 0.24 0.00	22.04 0.44 0.00	21.88 0.23 0.00	22.56 0.29 0.00	27.79 0.11 0.00	25.35 0.26 0.00	24.97 0.31 0.00	24.70 0.16 0.00	24.94 0.17 0.00	20.91 0.00 0.00	20.90 -0.09 0.00	20.72 -0.12 0.00
CARR STREET_E_SYR 24060	18.67 -0.11 0.00	17.22 -0.11 0.00	16.95 -0.12 0.00	16.81 -0.12 0.00	17.95 -0.14 0.00	18.57 -0.11 0.00	19.99 -0.04 0.00	22.86 -0.06 0.00	25.09 -0.04 0.00	22.68 -0.06 0.00	20.62 -0.11 0.00	21.42 -0.12 0.00	20.82 -0.14 0.00	21.47 -0.13 0.00	21.49 -0.16 0.00	22.13 -0.14 0.00	27.48 -0.20 0.00	24.94 -0.15 0.00	24.51 -0.15 0.00	24.34 -0.20 0.00	24.55 -0.21 0.00	20.72 -0.19 0.00	20.83 -0.17 0.00	20.71 -0.13 0.00
CARTHAGE__PAPER 23857	19.52 0.74 0.00	17.98 0.64 0.00	17.71 0.64 0.00	17.56 0.63 0.00	18.77 0.68 0.00	19.45 0.76 0.00	20.94 0.90 0.00	23.90 0.99 0.00	26.06 0.93 0.00	23.30 0.56 0.00	21.08 0.35 0.00	22.15 0.62 0.00	21.43 0.47 0.00	22.03 0.42 0.00	22.14 0.48 0.00	22.68 0.41 0.00	28.23 0.55 0.00	25.63 0.55 0.00	25.22 0.56 0.00	25.24 0.71 0.00	25.68 0.91 0.00	21.60 0.70 0.00	21.59 0.60 0.00	21.33 0.48 0.00



CASSADAGA_WT_PWR 323784	19.39 0.61 0.00	17.89 0.55 0.00	17.59 0.53 0.00	17.41 0.48 0.00	18.52 0.43 0.00	19.22 0.53 0.00	20.84 0.81 0.00	23.61 0.70 0.00	26.13 1.00 0.00	23.95 1.20 0.00	21.90 1.17 0.00	22.64 1.10 0.00	21.84 0.88 0.00	22.67 1.06 0.00	22.35 0.70 0.00	23.10 0.84 0.00	28.59 0.90 0.00	26.00 0.92 0.00	25.36 0.70 0.00	24.86 0.32 0.00	24.97 0.20 0.00	20.92 0.02 0.00	20.81 -0.18 0.00	20.69 -0.16 0.00
CE_DUNWOOD___DRP 24194	19.57 0.79 0.00	18.04 0.70 0.00	17.75 0.69 0.00	17.63 0.70 0.00	18.86 0.76 0.00	19.46 0.78 0.00	20.90 0.87 0.00	23.91 1.00 0.00	26.23 1.11 0.00	23.92 1.18 0.00	21.92 1.19 0.00	22.80 1.26 0.00	22.25 1.29 0.00	22.94 1.33 0.00	23.02 1.36 0.00	23.68 1.41 0.00	29.44 1.77 0.00	26.89 1.81 0.00	26.38 1.73 0.00	26.14 1.60 0.00	26.32 1.55 0.00	22.21 1.31 0.00	22.14 1.15 0.00	22.04 1.19 0.00
CE_MILLWOOD___DRP 24193	19.54 0.76 0.00	18.01 0.67 0.00	17.73 0.66 0.00	17.60 0.67 0.00	18.83 0.73 0.00	19.43 0.75 0.00	20.88 0.84 0.00	23.88 0.97 0.00	26.19 1.06 0.00	23.87 1.13 0.00	21.88 1.14 0.00	22.75 1.22 0.00	22.21 1.25 0.00	22.89 1.28 0.00	22.97 1.32 0.00	23.63 1.37 0.00	29.39 1.71 0.00	26.84 1.75 0.00	26.33 1.67 0.00	26.09 1.55 0.00	26.28 1.51 0.00	22.18 1.27 0.00	22.10 1.11 0.00	22.01 1.16 0.00
CE_NYC2_DRP 24202	19.61 0.83 0.00	18.07 0.73 0.00	17.78 0.71 0.00	17.67 0.74 0.00	18.89 0.80 0.00	19.50 0.82 0.00	20.95 0.92 0.00	23.98 1.07 0.00	26.34 1.21 0.00	24.02 1.28 0.00	22.02 1.29 0.00	22.91 1.37 0.00	22.38 1.42 0.00	23.07 1.46 0.00	23.15 1.49 0.00	23.82 1.55 0.00	29.60 1.92 0.00	27.04 1.95 0.00	26.53 1.87 0.00	26.28 1.74 0.00	26.45 1.68 0.00	22.31 1.40 0.00	22.21 1.22 0.00	22.12 1.27 0.00
CE_NYC_DRP 24195	19.64 0.85 0.00	18.09 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.20 0.00	24.02 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.81 1.54 0.00	29.58 1.90 0.00	27.03 1.95 0.00	26.52 1.86 0.00	26.26 1.73 0.00	26.43 1.66 0.00	22.29 1.38 0.00	22.19 1.20 0.00	22.11 1.26 0.00
CHAFFEE___LFGE 323603	18.78 0.00 0.00	17.37 0.04 0.00	17.09 0.02 0.00	16.90 -0.03 0.00	17.96 -0.13 0.00	18.57 -0.11 0.00	20.14 0.10 0.00	22.92 0.01 0.00	25.53 0.40 0.00	23.37 0.63 0.00	21.37 0.63 0.00	22.16 0.63 0.00	21.33 0.37 0.00	22.12 0.51 0.00	21.99 0.34 0.00	22.71 0.44 0.00	27.96 0.28 0.00	25.31 0.22 0.00	24.84 0.18 0.00	24.50 -0.04 0.00	24.66 -0.10 0.00	20.70 -0.21 0.00	20.72 -0.28 0.00	20.72 -0.12 0.00
CHATEAUG_35_KV_LOAD 355732	19.38 0.60 0.00	17.87 0.53 0.00	17.59 0.52 0.00	17.44 0.50 0.00	18.63 0.54 0.00	19.19 0.50 0.00	20.48 0.44 0.00	23.60 0.69 0.00	25.90 0.77 0.00	23.43 0.69 0.00	21.34 0.60 0.00	22.04 0.51 0.00	21.43 0.47 0.00	22.13 0.52 0.00	22.13 0.47 0.00	22.72 0.45 0.00	28.21 0.53 0.00	25.46 0.37 0.00	25.11 0.45 0.00	25.19 0.65 0.00	25.49 0.72 0.00	21.44 0.53 0.00	21.49 0.49 0.00	21.17 0.32 0.00
CHATEAUG_WT_PWR 323614	19.39 0.61 0.00	17.87 0.54 0.00	17.59 0.53 0.00	17.45 0.52 0.00	18.64 0.55 0.00	19.20 0.52 0.00	20.50 0.46 0.00	23.61 0.70 0.00	25.91 0.78 0.00	23.46 0.71 0.00	21.35 0.62 0.00	22.06 0.53 0.00	21.45 0.48 0.00	22.15 0.54 0.00	22.15 0.49 0.00	22.74 0.47 0.00	28.25 0.57 0.00	25.49 0.41 0.00	25.15 0.49 0.00	25.21 0.67 0.00	25.50 0.73 0.00	21.45 0.54 0.00	21.49 0.50 0.00	21.17 0.32 0.00
CHAT_HIGH_FALL_HYD 323578	19.38 0.60 0.00	17.87 0.53 0.00	17.59 0.52 0.00	17.44 0.51 0.00	18.63 0.54 0.00	19.19 0.50 0.00	20.48 0.44 0.00	23.60 0.69 0.00	25.90 0.77 0.00	23.43 0.69 0.00	21.34 0.60 0.00	22.04 0.50 0.00	21.43 0.47 0.00	22.13 0.52 0.00	22.13 0.47 0.00	22.72 0.45 0.00	28.21 0.53 0.00	25.46 0.37 0.00	25.11 0.45 0.00	25.19 0.65 0.00	25.49 0.72 0.00	21.44 0.53 0.00	21.49 0.50 0.00	21.17 0.32 0.00
CHAUTAUQUA___LFGE 323629	19.21 0.43 0.00	17.72 0.39 0.00	17.43 0.36 0.00	17.25 0.32 0.00	18.35 0.26 0.00	19.04 0.36 0.00	20.65 0.61 0.00	23.36 0.45 0.00	25.78 0.66 0.00	23.63 0.89 0.00	21.64 0.90 0.00	22.42 0.88 0.00	21.59 0.63 0.00	22.44 0.83 0.00	22.21 0.56 0.00	22.93 0.66 0.00	28.32 0.63 0.00	25.74 0.65 0.00	25.17 0.51 0.00	24.73 0.19 0.00	24.89 0.12 0.00	20.89 -0.02 0.00	20.83 -0.16 0.00	20.78 -0.07 0.00
CHERRYST_13_KV_LD 356241	19.68 0.90 0.00	18.13 0.80 0.00	17.85 0.79 0.00	17.73 0.80 0.00	18.96 0.87 0.00	19.57 0.89 0.00	21.01 0.98 0.00	24.06 1.15 0.00	26.41 1.29 0.00	24.10 1.36 0.00	22.09 1.36 0.00	22.98 1.44 0.00	22.44 1.48 0.00	23.13 1.53 0.00	23.21 1.56 0.00	23.89 1.63 0.00	29.69 2.01 0.00	27.12 2.04 0.00	26.61 1.95 0.00	26.34 1.80 0.00	26.50 1.73 0.00	22.34 1.44 0.00	22.25 1.26 0.00	22.16 1.31 0.00
CHESTROR_138KV_BK263 355645	19.40 0.62 0.00	17.88 0.55 0.00	17.60 0.53 0.00	17.47 0.54 0.00	18.69 0.60 0.00	19.30 0.61 0.00	20.75 0.71 0.00	23.72 0.81 0.00	26.00 0.87 0.00	23.67 0.92 0.00	21.67 0.94 0.00	22.53 1.00 0.00	21.99 1.03 0.00	22.67 1.06 0.00	22.74 1.09 0.00	23.39 1.12 0.00	29.10 1.42 0.00	26.55 1.46 0.00	26.06 1.40 0.00	25.84 1.30 0.00	26.04 1.27 0.00	21.98 1.08 0.00	21.98 0.99 0.00	21.88 1.04 0.00
CH_MIDHUDSON___DRP 24192	19.58 0.80 0.00	18.04 0.71 0.00	17.76 0.69 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.48 0.79 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.21 1.08 0.00	23.87 1.13 0.00	21.87 1.13 0.00	22.74 1.21 0.00	22.19 1.23 0.00	22.85 1.25 0.00	22.93 1.27 0.00	23.58 1.32 0.00	29.36 1.68 0.00	26.79 1.71 0.00	26.32 1.66 0.00	26.11 1.58 0.00	26.31 1.54 0.00	22.21 1.30 0.00	22.14 1.15 0.00	22.02 1.18 0.00
CH_MISC_IPPS 23765	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.03 1.13 0.00	26.35 1.22 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.24 1.25 0.00	22.14 1.29 0.00
CH_RES_BVR_FALLS 23983	18.69 -0.09 0.00	17.23 -0.10 0.00	16.98 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.56 -0.12 0.00	19.87 -0.17 0.00	22.75 -0.16 0.00	24.98 -0.15 0.00	22.58 -0.16 0.00	20.59 -0.15 0.00	21.37 -0.17 0.00	20.79 -0.17 0.00	21.44 -0.17 0.00	21.48 -0.18 0.00	22.09 -0.18 0.00	27.45 -0.23 0.00	24.79 -0.30 0.00	24.36 -0.30 0.00	24.30 -0.24 0.00	24.54 -0.23 0.00	20.66 -0.25 0.00	20.76 -0.23 0.00	20.55 -0.30 0.00



CH_RES_NIAGARA 23895	18.24 -0.55 0.00	16.93 -0.40 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.60 0.00	18.04 -0.64 0.00	19.53 -0.50 0.00	22.10 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.32 -0.22 0.00	20.51 -0.45 0.00	21.25 -0.36 0.00	21.14 -0.51 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.61 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.97 0.00	19.93 -1.06 0.00	20.05 -0.80 0.00
CH_RES_SYRACUSE 23985	18.75 -0.03 0.00	17.30 -0.03 0.00	17.03 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.01 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.07 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.93 -0.06 0.00	20.78 -0.07 0.00
CLINTON_WT_PWR 323605	19.39 0.61 0.00	17.87 0.54 0.00	17.59 0.53 0.00	17.45 0.52 0.00	18.64 0.55 0.00	19.20 0.52 0.00	20.50 0.46 0.00	23.61 0.70 0.00	25.91 0.78 0.00	23.46 0.71 0.00	21.35 0.62 0.00	22.06 0.53 0.00	21.45 0.48 0.00	22.15 0.54 0.00	22.15 0.49 0.00	22.74 0.47 0.00	28.25 0.57 0.00	25.49 0.41 0.00	25.15 0.49 0.00	25.21 0.67 0.00	25.50 0.73 0.00	21.45 0.54 0.00	21.49 0.50 0.00	21.17 0.32 0.00
CLINTON___LFGE 323618	19.65 0.87 0.00	18.10 0.76 0.00	17.82 0.75 0.00	17.67 0.74 0.00	18.88 0.78 0.00	19.45 0.77 0.00	20.75 0.72 0.00	23.96 1.05 0.00	26.28 1.15 0.00	23.79 1.05 0.00	21.65 0.92 0.00	22.32 0.78 0.00	21.68 0.72 0.00	22.41 0.81 0.00	22.40 0.74 0.00	23.00 0.73 0.00	28.57 0.89 0.00	25.82 0.73 0.00	25.49 0.83 0.00	25.58 1.04 0.00	25.90 1.13 0.00	21.75 0.85 0.00	21.77 0.78 0.00	21.41 0.57 0.00
COBBLENY_34_KV_TB1 80064	18.78 0.00 0.00	17.37 0.03 0.00	17.09 0.02 0.00	16.91 -0.02 0.00	17.95 -0.14 0.00	18.58 -0.10 0.00	20.14 0.10 0.00	22.92 0.01 0.00	25.53 0.40 0.00	23.37 0.63 0.00	21.37 0.63 0.00	22.17 0.63 0.00	21.32 0.36 0.00	22.13 0.52 0.00	22.00 0.34 0.00	22.71 0.44 0.00	27.96 0.28 0.00	25.31 0.22 0.00	24.84 0.18 0.00	24.49 -0.04 0.00	24.66 -0.10 0.00	20.70 -0.21 0.00	20.65 -0.34 0.00	20.72 -0.13 0.00
COFFEEN___115KV_TB3 355620	19.59 0.81 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.64 0.71 0.00	18.86 0.76 0.00	19.55 0.87 0.00	21.08 1.04 0.00	24.03 1.12 0.00	26.14 1.02 0.00	23.27 0.53 0.00	21.03 0.30 0.00	22.23 0.70 0.00	21.47 0.51 0.00	22.10 0.49 0.00	22.15 0.49 0.00	22.67 0.40 0.00	28.27 0.60 0.00	25.72 0.63 0.00	25.33 0.67 0.00	25.33 0.79 0.00	25.81 1.04 0.00	21.74 0.83 0.00	21.71 0.71 0.00	21.45 0.60 0.00
COLDSPRG_115KV_BK1 355956	19.39 0.61 0.00	17.91 0.57 0.00	17.62 0.56 0.00	17.45 0.52 0.00	18.57 0.47 0.00	19.27 0.59 0.00	20.92 0.89 0.00	23.77 0.87 0.00	26.32 1.19 0.00	24.12 1.38 0.00	22.11 1.37 0.00	22.89 1.36 0.00	22.00 1.03 0.00	22.86 1.26 0.00	22.67 1.01 0.00	23.41 1.14 0.00	28.87 1.19 0.00	26.26 1.17 0.00	25.67 1.01 0.00	25.23 0.69 0.00	25.40 0.63 0.00	21.31 0.40 0.00	21.21 0.22 0.00	21.16 0.31 0.00
COLONIE_LFGE___ 323577	19.51 0.73 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.91 0.82 0.00	19.50 0.82 0.00	20.81 0.77 0.00	23.83 0.92 0.00	26.02 0.90 0.00	23.61 0.86 0.00	21.56 0.83 0.00	22.38 0.84 0.00	21.82 0.86 0.00	22.43 0.82 0.00	22.55 0.89 0.00	23.07 0.79 0.00	28.78 1.11 0.00	26.21 1.12 0.00	25.79 1.13 0.00	25.79 1.25 0.00	26.05 1.28 0.00	22.00 1.09 0.00	21.90 0.91 0.00	21.76 0.92 0.00
COOPERNY_115KV_TB1 80082	19.23 0.45 0.00	17.73 0.40 0.00	17.45 0.38 0.00	17.32 0.39 0.00	18.53 0.43 0.00	19.13 0.45 0.00	20.56 0.52 0.00	23.52 0.61 0.00	25.78 0.66 0.00	23.45 0.70 0.00	21.44 0.70 0.00	22.27 0.74 0.00	21.72 0.76 0.00	22.40 0.79 0.00	22.45 0.80 0.00	23.11 0.84 0.00	28.73 1.05 0.00	26.16 1.08 0.00	25.70 1.04 0.00	25.49 0.95 0.00	25.71 0.94 0.00	21.69 0.78 0.00	21.75 0.76 0.00	21.65 0.80 0.00
COPENHAGEN_WT_PWR 323753	19.36 0.58 0.00	17.86 0.52 0.00	17.60 0.53 0.00	17.46 0.53 0.00	18.66 0.57 0.00	19.34 0.66 0.00	20.84 0.80 0.00	23.78 0.86 0.00	25.91 0.78 0.00	23.15 0.40 0.00	20.95 0.21 0.00	22.04 0.51 0.00	21.29 0.33 0.00	21.84 0.23 0.00	21.97 0.31 0.00	22.52 0.25 0.00	28.05 0.37 0.00	25.51 0.42 0.00	25.09 0.43 0.00	25.10 0.56 0.00	25.51 0.74 0.00	21.43 0.52 0.00	21.41 0.42 0.00	21.14 0.30 0.00
CORNELL_____ 23752	19.09 0.31 0.00	17.60 0.27 0.00	17.32 0.25 0.00	17.18 0.25 0.00	18.35 0.25 0.00	19.01 0.33 0.00	20.51 0.47 0.00	23.44 0.53 0.00	25.73 0.60 0.00	23.28 0.54 0.00	21.21 0.47 0.00	21.95 0.42 0.00	21.32 0.36 0.00	22.01 0.40 0.00	22.03 0.38 0.00	22.71 0.44 0.00	28.26 0.58 0.00	25.65 0.57 0.00	25.27 0.61 0.00	25.09 0.55 0.00	25.33 0.56 0.00	21.36 0.45 0.00	21.39 0.40 0.00	21.26 0.41 0.00
CORONAAY_69_KV_TB1 355595	20.00 1.15 -0.07	18.86 1.06 -0.46	18.10 1.03 0.00	17.96 1.03 0.00	19.36 1.13 -0.13	20.27 1.17 -0.42	21.95 1.25 -0.66	24.21 1.30 0.00	26.58 1.45 0.00	24.87 1.53 -0.60	27.99 1.55 -5.70	29.82 1.57 -6.72	28.40 1.59 -5.86	26.41 1.62 -3.18	33.83 1.65 -10.52	26.15 1.73 -2.16	29.84 2.15 -0.01	28.39 2.25 -1.04	73.41 2.16 -46.58	57.02 2.08 -30.40	65.01 2.04 -38.20	46.02 1.69 -23.42	26.98 1.57 -4.42	26.84 1.64 -4.35
CORTLAND_115KV_TB3 80093	18.98 0.20 0.00	17.50 0.16 0.00	17.22 0.15 0.00	17.08 0.15 0.00	18.24 0.15 0.00	18.89 0.21 0.00	20.36 0.32 0.00	23.28 0.37 0.00	25.56 0.43 0.00	23.12 0.38 0.00	21.08 0.34 0.00	21.86 0.32 0.00	21.23 0.27 0.00	21.92 0.31 0.00	21.96 0.30 0.00	22.59 0.33 0.00	28.08 0.40 0.00	25.50 0.41 0.00	25.07 0.41 0.00	24.90 0.36 0.00	25.14 0.38 0.00	21.20 0.29 0.00	21.25 0.25 0.00	21.12 0.27 0.00
COXSACKIE___GT 23611	19.87 1.09 0.00	18.36 1.02 0.00	18.09 1.03 0.00	17.95 1.03 0.00	19.25 1.15 0.00	19.89 1.21 0.00	21.28 1.25 0.00	24.38 1.47 0.00	26.65 1.53 0.00	24.10 1.36 0.00	21.91 1.17 0.00	22.47 0.93 0.00	22.05 1.09 0.00	22.85 1.25 0.00	22.89 1.24 0.00	23.30 1.03 0.00	29.13 1.45 0.00	26.91 1.82 0.00	26.35 1.69 0.00	26.27 1.74 0.00	26.69 1.92 0.00	22.55 1.64 0.00	22.38 1.38 0.00	22.22 1.38 0.00
CPV_VALLEY___CC1 323721	19.26 0.48 0.00	17.75 0.42 0.00	17.48 0.41 0.00	17.35 0.42 0.00	18.56 0.46 0.00	19.17 0.48 0.00	20.58 0.55 0.00	23.54 0.63 0.00	25.82 0.69 0.00	23.50 0.76 0.00	21.51 0.77 0.00	22.37 0.83 0.00	21.82 0.86 0.00	22.50 0.90 0.00	22.57 0.92 0.00	23.22 0.95 0.00	28.88 1.20 0.00	26.31 1.23 0.00	25.83 1.18 0.00	25.61 1.07 0.00	25.81 1.04 0.00	21.79 0.89 0.00	21.86 0.87 0.00	21.78 0.94 0.00



CPV_VALLEY___CC2 323722	19.26 0.48 0.00	17.75 0.42 0.00	17.48 0.41 0.00	17.35 0.42 0.00	18.56 0.46 0.00	19.17 0.48 0.00	20.58 0.55 0.00	23.54 0.63 0.00	25.82 0.69 0.00	23.50 0.76 0.00	21.51 0.77 0.00	22.37 0.83 0.00	21.82 0.86 0.00	22.50 0.90 0.00	22.57 0.92 0.00	23.22 0.95 0.00	28.88 1.20 0.00	26.31 1.23 0.00	25.83 1.18 0.00	25.61 1.07 0.00	25.81 1.04 0.00	21.79 0.89 0.00	21.86 0.87 0.00	21.78 0.94 0.00
CRESCENT___HYD 24018	19.51 0.73 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.91 0.82 0.00	19.50 0.82 0.00	20.81 0.77 0.00	23.83 0.92 0.00	26.02 0.90 0.00	23.61 0.86 0.00	21.56 0.83 0.00	22.38 0.84 0.00	21.82 0.86 0.00	22.43 0.82 0.00	22.55 0.89 0.00	23.07 0.79 0.00	28.78 1.11 0.00	26.21 1.12 0.00	25.79 1.13 0.00	25.79 1.25 0.00	26.05 1.28 0.00	22.00 1.09 0.00	21.90 0.91 0.00	21.76 0.92 0.00
CRICKET___VALLEY_CC1 323756	19.41 0.63 0.00	17.89 0.56 0.00	17.63 0.56 0.00	17.50 0.57 0.00	18.73 0.63 0.00	19.33 0.65 0.00	20.75 0.71 0.00	23.69 0.78 0.00	25.92 0.79 0.00	23.59 0.85 0.00	21.62 0.88 0.00	22.46 0.92 0.00	21.93 0.97 0.00	22.56 0.96 0.00	22.64 0.98 0.00	23.25 0.98 0.00	28.94 1.27 0.00	26.43 1.35 0.00	25.96 1.30 0.00	25.80 1.26 0.00	26.00 1.23 0.00	21.98 1.08 0.00	21.87 0.88 0.00	21.78 0.94 0.00
CRICKET___VALLEY_CC2 323757	19.41 0.63 0.00	17.89 0.56 0.00	17.63 0.56 0.00	17.50 0.57 0.00	18.73 0.63 0.00	19.33 0.65 0.00	20.75 0.71 0.00	23.69 0.78 0.00	25.92 0.79 0.00	23.59 0.85 0.00	21.62 0.88 0.00	22.46 0.92 0.00	21.93 0.97 0.00	22.56 0.96 0.00	22.64 0.98 0.00	23.25 0.98 0.00	28.94 1.27 0.00	26.43 1.35 0.00	25.96 1.30 0.00	25.80 1.26 0.00	26.00 1.23 0.00	21.98 1.08 0.00	21.87 0.88 0.00	21.78 0.94 0.00
CRICKET___VALLEY_CC3 323758	19.41 0.63 0.00	17.89 0.56 0.00	17.63 0.56 0.00	17.50 0.57 0.00	18.73 0.63 0.00	19.33 0.65 0.00	20.75 0.71 0.00	23.69 0.78 0.00	25.92 0.79 0.00	23.59 0.85 0.00	21.62 0.88 0.00	22.46 0.92 0.00	21.93 0.97 0.00	22.56 0.96 0.00	22.64 0.98 0.00	23.25 0.98 0.00	28.94 1.27 0.00	26.43 1.35 0.00	25.96 1.30 0.00	25.80 1.26 0.00	26.00 1.23 0.00	21.98 1.08 0.00	21.87 0.88 0.00	21.78 0.94 0.00
CRUCIBLE_METL_DRP 24180	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
DAHOWA___HYDRO 323763	19.96 1.17 0.00	18.43 1.10 0.00	18.16 1.09 0.00	18.03 1.10 0.00	19.34 1.25 0.00	19.97 1.29 0.00	21.37 1.34 0.00	24.44 1.53 0.00	26.65 1.52 0.00	24.13 1.39 0.00	22.04 1.30 0.00	22.83 1.29 0.00	22.26 1.30 0.00	22.81 1.21 0.00	23.04 1.39 0.00	23.58 1.31 0.00	29.48 1.80 0.00	26.84 1.75 0.00	26.43 1.77 0.00	26.48 1.94 0.00	26.79 2.02 0.00	22.61 1.70 0.00	22.50 1.51 0.00	22.30 1.45 0.00
DANC___LFGE 323619	19.04 0.26 0.00	17.57 0.23 0.00	17.30 0.24 0.00	17.16 0.23 0.00	18.35 0.25 0.00	18.99 0.31 0.00	20.47 0.44 0.00	23.37 0.46 0.00	25.52 0.39 0.00	22.88 0.14 0.00	20.73 0.00 0.00	21.72 0.18 0.00	21.02 0.06 0.00	21.61 0.00 0.00	21.69 0.03 0.00	22.25 -0.02 0.00	27.69 0.01 0.00	25.17 0.09 0.00	24.75 0.09 0.00	24.70 0.16 0.00	25.05 0.28 0.00	21.11 0.20 0.00	21.14 0.15 0.00	20.92 0.07 0.00
DANSKAMMER___1 23586	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.03 1.13 0.00	26.35 1.22 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.24 1.25 0.00	22.14 1.29 0.00
DANSKAMMER___2 23589	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.03 1.13 0.00	26.35 1.22 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.24 1.25 0.00	22.14 1.29 0.00
DANSKAMMER___3 23590	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.03 1.13 0.00	26.35 1.22 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.24 1.25 0.00	22.14 1.29 0.00
DANSKAMMER___4 23591	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.03 1.13 0.00	26.35 1.22 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.24 1.25 0.00	22.14 1.29 0.00
DANSKAMMER___DIESEL 23592	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.93 0.83 0.00	19.55 0.87 0.00	21.02 0.98 0.00	24.04 1.13 0.00	26.35 1.23 0.00	24.00 1.26 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.30 1.34 0.00	22.98 1.37 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.53 1.86 0.00	26.95 1.87 0.00	26.47 1.81 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.26 1.26 0.00	22.14 1.30 0.00
DARBY___SOLAR 323810	19.86 1.08 0.00	18.34 1.01 0.00	18.08 1.01 0.00	17.94 1.01 0.00	19.24 1.15 0.00	19.87 1.19 0.00	21.25 1.22 0.00	24.32 1.40 0.00	26.52 1.40 0.00	24.03 1.28 0.00	21.95 1.21 0.00	22.75 1.21 0.00	22.17 1.21 0.00	22.75 1.14 0.00	22.94 1.28 0.00	23.49 1.22 0.00	29.37 1.69 0.00	26.73 1.65 0.00	26.32 1.66 0.00	26.34 1.80 0.00	26.63 1.86 0.00	22.48 1.57 0.00	22.38 1.39 0.00	22.19 1.34 0.00
DASHVILLE___HYD 23610	19.37 0.59 0.00	17.83 0.50 0.00	17.55 0.48 0.00	17.42 0.49 0.00	18.63 0.54 0.00	19.24 0.56 0.00	20.69 0.65 0.00	23.64 0.73 0.00	25.94 0.81 0.00	23.64 0.89 0.00	21.66 0.93 0.00	22.58 1.04 0.00	21.99 1.03 0.00	22.65 1.05 0.00	22.75 1.09 0.00	23.42 1.15 0.00	29.10 1.42 0.00	26.52 1.44 0.00	26.09 1.43 0.00	25.82 1.28 0.00	25.99 1.22 0.00	21.94 1.03 0.00	21.92 0.93 0.00	21.84 0.99 0.00



DEERFIELD_69_KV_DEERFIELD LD 355887	20.30 1.45 -0.07	19.25 1.46 -0.46	18.50 1.43 0.00	18.37 1.44 0.00	19.85 1.62 -0.13	20.72 1.62 -0.42	22.49 1.79 -0.66	24.81 1.90 0.00	27.24 2.11 0.00	25.45 2.11 -0.60	28.48 2.04 -5.70	30.31 2.06 -6.72	28.80 1.99 -5.86	26.76 1.97 -3.18	34.22 2.04 -10.52	26.64 2.21 -2.16	30.51 2.83 0.00	29.11 2.98 -1.04	74.13 2.99 -46.48	57.73 2.97 -30.23	65.88 2.93 -38.18	46.67 2.35 -23.41	27.58 2.17 -4.42	27.22 2.02 -4.35
DELAWARE___LFGE 323621	19.26 0.47 0.00	17.75 0.42 0.00	17.48 0.41 0.00	17.34 0.41 0.00	18.54 0.45 0.00	19.17 0.49 0.00	20.62 0.59 0.00	23.60 0.69 0.00	25.90 0.77 0.00	23.52 0.77 0.00	21.48 0.75 0.00	22.30 0.76 0.00	21.69 0.73 0.00	22.36 0.76 0.00	22.40 0.75 0.00	23.07 0.80 0.00	28.68 1.00 0.00	26.06 0.98 0.00	25.61 0.95 0.00	25.42 0.88 0.00	25.64 0.87 0.00	21.63 0.72 0.00	21.67 0.67 0.00	21.54 0.69 0.00
DERFIELD_115KV_TB7 355931	18.81 0.03 0.00	17.35 0.02 0.00	17.09 0.03 0.00	16.96 0.03 0.00	18.12 0.03 0.00	18.72 0.04 0.00	20.08 0.04 0.00	22.96 0.05 0.00	25.18 0.05 0.00	22.79 0.05 0.00	20.78 0.04 0.00	21.58 0.04 0.00	21.00 0.04 0.00	21.65 0.04 0.00	21.70 0.04 0.00	22.31 0.04 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.73 0.08 0.00	24.61 0.08 0.00	24.84 0.07 0.00	20.97 0.06 0.00	21.04 0.04 0.00	20.91 0.06 0.00
DOGLEVILLE___HYD 23807	18.67 -0.11 0.00	17.23 -0.11 0.00	16.97 -0.10 0.00	16.84 -0.09 0.00	18.03 -0.07 0.00	18.69 0.00 0.00	19.97 -0.06 0.00	22.80 -0.11 0.00	24.88 -0.25 0.00	22.52 -0.22 0.00	20.64 -0.09 0.00	21.40 -0.13 0.00	20.85 -0.11 0.00	21.39 -0.22 0.00	21.45 -0.20 0.00	22.08 -0.19 0.00	27.54 -0.14 0.00	25.19 0.10 0.00	24.78 0.12 0.00	24.80 0.26 0.00	25.10 0.33 0.00	21.21 0.30 0.00	21.07 0.07 0.00	20.98 0.13 0.00
DUNKIRK___115KV_TB_200 55889	19.17 0.38 0.00	17.68 0.35 0.00	17.39 0.33 0.00	17.22 0.29 0.00	18.31 0.22 0.00	19.01 0.32 0.00	20.61 0.58 0.00	23.32 0.41 0.00	25.73 0.61 0.00	23.57 0.83 0.00	21.59 0.86 0.00	22.37 0.84 0.00	21.54 0.58 0.00	22.41 0.80 0.00	22.19 0.53 0.00	22.89 0.62 0.00	28.26 0.58 0.00	25.69 0.61 0.00	25.14 0.48 0.00	24.70 0.16 0.00	24.88 0.11 0.00	20.86 -0.04 0.00	20.78 -0.21 0.00	20.78 -0.07 0.00
DUNKIRK___1 23563	19.17 0.38 0.00	17.68 0.35 0.00	17.39 0.33 0.00	17.22 0.29 0.00	18.31 0.22 0.00	19.01 0.32 0.00	20.61 0.58 0.00	23.32 0.41 0.00	25.73 0.61 0.00	23.57 0.83 0.00	21.59 0.86 0.00	22.37 0.84 0.00	21.54 0.58 0.00	22.41 0.80 0.00	22.19 0.53 0.00	22.89 0.62 0.00	28.26 0.58 0.00	25.69 0.61 0.00	25.14 0.48 0.00	24.70 0.16 0.00	24.88 0.11 0.00	20.86 -0.04 0.00	20.78 -0.21 0.00	20.78 -0.07 0.00
DUNKIRK___2 23564	19.17 0.38 0.00	17.68 0.35 0.00	17.39 0.33 0.00	17.22 0.29 0.00	18.31 0.22 0.00	19.01 0.32 0.00	20.61 0.58 0.00	23.32 0.41 0.00	25.73 0.61 0.00	23.57 0.83 0.00	21.59 0.86 0.00	22.37 0.84 0.00	21.54 0.58 0.00	22.41 0.80 0.00	22.19 0.53 0.00	22.89 0.62 0.00	28.26 0.58 0.00	25.69 0.61 0.00	25.14 0.48 0.00	24.70 0.16 0.00	24.88 0.11 0.00	20.86 -0.04 0.00	20.78 -0.21 0.00	20.78 -0.07 0.00
DUNKIRK___3 23565	19.03 0.25 0.00	17.57 0.23 0.00	17.29 0.22 0.00	17.12 0.19 0.00	18.20 0.10 0.00	18.88 0.20 0.00	20.46 0.43 0.00	23.16 0.25 0.00	25.57 0.44 0.00	23.42 0.68 0.00	21.45 0.71 0.00	22.23 0.69 0.00	21.39 0.42 0.00	22.24 0.63 0.00	22.05 0.40 0.00	22.76 0.49 0.00	28.07 0.39 0.00	25.51 0.43 0.00	24.99 0.33 0.00	24.58 0.04 0.00	24.76 0.00 0.00	20.78 -0.13 0.00	20.72 -0.28 0.00	20.73 -0.12 0.00
DUNKIRK___4 23566	19.03 0.25 0.00	17.57 0.23 0.00	17.29 0.22 0.00	17.12 0.19 0.00	18.20 0.10 0.00	18.88 0.20 0.00	20.46 0.43 0.00	23.16 0.25 0.00	25.57 0.44 0.00	23.42 0.68 0.00	21.45 0.71 0.00	22.23 0.69 0.00	21.39 0.42 0.00	22.24 0.63 0.00	22.05 0.40 0.00	22.76 0.49 0.00	28.07 0.39 0.00	25.51 0.43 0.00	24.99 0.33 0.00	24.58 0.04 0.00	24.76 0.00 0.00	20.78 -0.13 0.00	20.72 -0.28 0.00	20.73 -0.12 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.60 0.82 0.00	18.06 0.73 0.00	17.78 0.72 0.00	17.65 0.72 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.94 0.90 0.00	23.95 1.04 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.96 1.23 0.00	22.84 1.30 0.00	22.30 1.33 0.00	22.98 1.37 0.00	23.06 1.41 0.00	23.73 1.47 0.00	29.50 1.82 0.00	26.95 1.86 0.00	26.44 1.78 0.00	26.19 1.65 0.00	26.37 1.60 0.00	22.25 1.34 0.00	22.18 1.18 0.00	22.08 1.23 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.49 0.71 0.00	17.96 0.63 0.00	17.68 0.61 0.00	17.55 0.62 0.00	18.77 0.68 0.00	19.38 0.70 0.00	20.84 0.80 0.00	23.83 0.92 0.00	26.14 1.01 0.00	23.79 1.05 0.00	21.78 1.05 0.00	22.66 1.12 0.00	22.11 1.15 0.00	22.79 1.18 0.00	22.86 1.21 0.00	23.52 1.25 0.00	29.29 1.61 0.00	26.71 1.63 0.00	26.23 1.57 0.00	26.00 1.46 0.00	26.19 1.42 0.00	22.11 1.20 0.00	22.09 1.10 0.00	21.99 1.14 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.58 0.80 0.00	18.04 0.71 0.00	17.76 0.69 0.00	17.65 0.72 0.00	18.89 0.79 0.00	19.49 0.81 0.00	20.95 0.91 0.00	23.96 1.04 0.00	26.29 1.16 0.00	23.96 1.22 0.00	21.93 1.20 0.00	22.79 1.25 0.00	22.29 1.33 0.00	22.98 1.37 0.00	23.06 1.40 0.00	23.71 1.44 0.00	29.46 1.78 0.00	26.92 1.84 0.00	26.40 1.74 0.00	26.17 1.63 0.00	26.35 1.58 0.00	22.24 1.34 0.00	22.13 1.14 0.00	22.04 1.19 0.00
E179THST_13_KV_LOAD 356214	19.66 0.88 0.00	18.11 0.78 0.00	17.82 0.75 0.00	17.72 0.79 0.00	18.95 0.86 0.00	19.56 0.87 0.00	21.02 0.99 0.00	24.05 1.14 0.00	26.40 1.28 0.00	24.06 1.32 0.00	22.03 1.30 0.00	22.90 1.36 0.00	22.39 1.43 0.00	23.09 1.48 0.00	23.17 1.51 0.00	23.83 1.56 0.00	29.61 1.93 0.00	27.05 1.96 0.00	26.52 1.86 0.00	26.29 1.75 0.00	26.46 1.69 0.00	22.34 1.43 0.00	22.23 1.24 0.00	22.14 1.29 0.00
EAST HAMPTON___GT 23717	20.51 1.66 -0.07	19.45 1.65 -0.46	18.70 1.64 0.00	18.59 1.66 0.00	20.08 1.85 -0.13	20.97 1.87 -0.42	22.78 2.08 -0.66	25.14 2.23 0.00	27.60 2.47 0.00	25.79 2.46 -0.60	28.79 2.35 -5.70	30.63 2.38 -6.72	29.09 2.28 -5.86	27.06 2.27 -3.18	34.52 2.34 -10.52	26.95 2.52 -2.16	30.90 3.23 0.00	29.49 3.36 -1.04	74.50 3.36 -46.48	58.11 3.35 -30.23	66.26 3.31 -38.18	46.99 2.68 -23.41	27.87 2.46 -4.42	27.49 2.29 -4.35
EAST RIVER___6 23660	19.64 0.86 0.00	18.09 0.76 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.54 0.86 0.00	20.94 0.91 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.37 1.41 0.00	23.05 1.44 0.00	23.14 1.48 0.00	23.81 1.54 0.00	29.59 1.91 0.00	27.04 1.96 0.00	26.55 1.90 0.00	26.29 1.76 0.00	26.45 1.68 0.00	22.29 1.38 0.00	22.15 1.16 0.00	22.08 1.23 0.00



EAST_RIVER___7 23524	19.64 0.86 0.00	18.09 0.76 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.54 0.86 0.00	20.94 0.91 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.37 1.41 0.00	23.05 1.44 0.00	23.14 1.48 0.00	23.81 1.54 0.00	29.59 1.91 0.00	27.04 1.96 0.00	26.55 1.90 0.00	26.29 1.76 0.00	26.45 1.68 0.00	22.29 1.38 0.00	22.15 1.16 0.00	22.08 1.23 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.57 0.79 0.00	18.04 0.70 0.00	17.75 0.69 0.00	17.63 0.70 0.00	18.86 0.76 0.00	19.46 0.78 0.00	20.90 0.87 0.00	23.91 1.00 0.00	26.23 1.11 0.00	23.92 1.18 0.00	21.92 1.19 0.00	22.80 1.26 0.00	22.25 1.29 0.00	22.94 1.33 0.00	23.02 1.36 0.00	23.68 1.41 0.00	29.44 1.77 0.00	26.89 1.81 0.00	26.38 1.73 0.00	26.14 1.60 0.00	26.32 1.55 0.00	22.21 1.31 0.00	22.14 1.15 0.00	22.04 1.19 0.00
EAST_HAMPTON___DIESEL 23722	20.51 1.66 -0.07	19.45 1.65 -0.46	18.70 1.64 0.00	18.59 1.66 0.00	20.07 1.85 -0.13	20.97 1.87 -0.42	22.78 2.08 -0.66	25.14 2.23 0.00	27.60 2.47 0.00	25.79 2.46 -0.60	28.79 2.35 -5.70	30.63 2.38 -6.72	29.09 2.28 -5.86	27.06 2.27 -3.18	34.53 2.35 -10.52	26.95 2.52 -2.16	30.90 3.23 0.00	29.50 3.37 -1.04	74.51 3.37 -46.48	58.11 3.35 -30.23	66.26 3.31 -38.18	46.99 2.68 -23.41	27.87 2.46 -4.42	27.49 2.29 -4.35
EAST_PULASKI___ESR 323781	18.75 -0.04 0.00	17.30 -0.03 0.00	17.03 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.04 0.00	18.67 -0.01 0.00	20.12 0.08 0.00	22.98 0.07 0.00	25.15 0.02 0.00	22.63 -0.11 0.00	20.53 -0.21 0.00	21.40 -0.14 0.00	20.75 -0.21 0.00	21.37 -0.23 0.00	21.42 -0.24 0.00	22.01 -0.26 0.00	27.37 -0.31 0.00	24.87 -0.21 0.00	24.44 -0.22 0.00	24.33 -0.20 0.00	24.61 -0.15 0.00	20.79 -0.11 0.00	20.87 -0.12 0.00	20.72 -0.12 0.00
EAST_RIVER___1 323558	19.63 0.85 0.00	18.09 0.75 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.95 0.92 0.00	23.98 1.07 0.00	26.32 1.20 0.00	24.02 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.36 1.40 0.00	23.06 1.45 0.00	23.13 1.48 0.00	23.81 1.54 0.00	29.58 1.90 0.00	27.03 1.95 0.00	26.52 1.86 0.00	26.26 1.72 0.00	26.43 1.66 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.10 1.26 0.00
EAST_RIVER___2 323559	19.64 0.86 0.00	18.09 0.76 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.54 0.86 0.00	20.94 0.91 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.37 1.41 0.00	23.05 1.44 0.00	23.14 1.48 0.00	23.81 1.54 0.00	29.59 1.91 0.00	27.04 1.96 0.00	26.55 1.90 0.00	26.29 1.76 0.00	26.45 1.68 0.00	22.29 1.38 0.00	22.15 1.16 0.00	22.08 1.23 0.00
EAST___DELAWARE_HYD 23607	18.99 0.21 0.00	17.49 0.16 0.00	17.21 0.14 0.00	17.09 0.16 0.00	18.30 0.21 0.00	18.92 0.23 0.00	20.43 0.39 0.00	23.39 0.48 0.00	25.63 0.50 0.00	23.28 0.54 0.00	21.30 0.57 0.00	22.17 0.64 0.00	21.56 0.60 0.00	22.23 0.63 0.00	22.29 0.64 0.00	23.01 0.75 0.00	28.62 0.94 0.00	26.13 1.05 0.00	25.71 1.05 0.00	25.50 0.96 0.00	25.70 0.93 0.00	21.68 0.77 0.00	21.68 0.69 0.00	21.44 0.59 0.00
EIGHT_POINT___WT_PWR 323820	18.91 0.12 0.00	17.40 0.06 0.00	17.18 0.11 0.00	17.02 0.09 0.00	18.14 0.04 0.00	18.78 0.09 0.00	20.30 0.26 0.00	23.15 0.23 0.00	25.68 0.54 0.00	23.43 0.69 0.00	21.40 0.66 0.00	22.21 0.67 0.00	21.34 0.38 0.00	22.21 0.60 0.00	21.95 0.30 0.00	22.69 0.42 0.00	27.83 0.15 0.00	25.37 0.28 0.00	25.13 0.47 0.00	24.91 0.37 0.00	25.13 0.36 0.00	21.01 0.11 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
ELBRIDGE_115KV_TB2 80188	18.67 -0.11 0.00	17.23 -0.11 0.00	16.95 -0.11 0.00	16.81 -0.12 0.00	17.96 -0.13 0.00	18.58 -0.10 0.00	20.02 -0.01 0.00	22.90 -0.01 0.00	25.14 0.01 0.00	22.71 -0.03 0.00	20.65 -0.08 0.00	21.44 -0.10 0.00	20.83 -0.13 0.00	21.52 -0.09 0.00	21.54 -0.12 0.00	22.17 -0.10 0.00	27.53 -0.15 0.00	24.99 -0.10 0.00	24.56 -0.10 0.00	24.39 -0.15 0.00	24.60 -0.17 0.00	20.75 -0.16 0.00	20.85 -0.14 0.00	20.72 -0.13 0.00
ELEC_TRO_TEK 24086	19.90 1.04 -0.07	18.78 0.98 -0.46	18.00 0.94 0.00	17.87 0.94 0.00	19.28 1.05 -0.13	20.17 1.07 -0.42	21.89 1.19 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.81 1.47 -0.60	27.92 1.49 -5.70	29.77 1.51 -6.72	28.32 1.51 -5.86	26.32 1.53 -3.18	33.75 1.57 -10.52	26.07 1.65 -2.16	29.70 2.03 0.01	28.28 2.15 -1.04	73.04 2.06 -46.32	56.47 1.98 -29.95	64.86 1.94 -38.16	45.92 1.62 -23.40	26.92 1.51 -4.42	26.71 1.51 -4.35
ELLENBURG_WT_PWR 323604	19.39 0.61 0.00	17.87 0.54 0.00	17.59 0.53 0.00	17.45 0.52 0.00	18.64 0.55 0.00	19.20 0.52 0.00	20.50 0.46 0.00	23.61 0.70 0.00	25.91 0.78 0.00	23.46 0.71 0.00	21.35 0.62 0.00	22.06 0.53 0.00	21.45 0.48 0.00	22.15 0.54 0.00	22.15 0.49 0.00	22.74 0.47 0.00	28.25 0.57 0.00	25.49 0.41 0.00	25.15 0.49 0.00	25.21 0.67 0.00	25.50 0.73 0.00	21.45 0.54 0.00	21.49 0.50 0.00	21.17 0.32 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	18.65 -0.13 0.00	17.28 -0.05 0.00	17.00 -0.07 0.00	16.81 -0.11 0.00	17.86 -0.23 0.00	18.47 -0.21 0.00	20.00 -0.04 0.00	22.69 -0.22 0.00	25.22 0.09 0.00	23.12 0.38 0.00	21.13 0.39 0.00	21.90 0.36 0.00	21.06 0.10 0.00	21.85 0.24 0.00	21.71 0.06 0.00	22.41 0.14 0.00	27.60 -0.08 0.00	25.05 -0.04 0.00	24.59 -0.06 0.00	24.25 -0.29 0.00	24.42 -0.35 0.00	20.49 -0.42 0.00	20.45 -0.54 0.00	20.58 -0.27 0.00
EMPIRE_CC_1 323656	19.23 0.45 0.00	17.79 0.46 0.00	17.54 0.47 0.00	17.41 0.48 0.00	18.64 0.54 0.00	19.19 0.51 0.00	20.44 0.40 0.00	23.38 0.47 0.00	25.53 0.40 0.00	23.20 0.46 0.00	21.20 0.46 0.00	22.01 0.47 0.00	21.47 0.51 0.00	22.06 0.45 0.00	22.17 0.51 0.00	22.66 0.39 0.00	28.26 0.59 0.00	25.73 0.65 0.00	25.32 0.66 0.00	25.31 0.77 0.00	25.55 0.78 0.00	21.58 0.68 0.00	21.48 0.49 0.00	21.38 0.53 0.00
EMPIRE_CC_2 323658	19.23 0.45 0.00	17.79 0.46 0.00	17.54 0.47 0.00	17.41 0.48 0.00	18.64 0.54 0.00	19.19 0.51 0.00	20.44 0.40 0.00	23.38 0.47 0.00	25.53 0.40 0.00	23.20 0.46 0.00	21.20 0.46 0.00	22.01 0.47 0.00	21.47 0.51 0.00	22.06 0.45 0.00	22.17 0.51 0.00	22.66 0.39 0.00	28.26 0.59 0.00	25.73 0.65 0.00	25.32 0.66 0.00	25.31 0.77 0.00	25.55 0.78 0.00	21.58 0.68 0.00	21.48 0.49 0.00	21.38 0.53 0.00
ENORWICH_115KV_TB1 80156	19.88 1.10 0.00	18.31 0.97 0.00	18.03 0.96 0.00	17.88 0.95 0.00	19.11 1.01 0.00	19.89 1.21 0.00	21.49 1.45 0.00	24.55 1.64 0.00	26.92 1.79 0.00	24.34 1.60 0.00	22.22 1.49 0.00	22.83 1.30 0.00	22.24 1.28 0.00	22.87 1.27 0.00	23.01 1.36 0.00	23.75 1.49 0.00	29.66 1.98 0.00	26.97 1.88 0.00	26.54 1.88 0.00	26.38 1.84 0.00	26.68 1.91 0.00	22.47 1.56 0.00	22.44 1.45 0.00	22.28 1.43 0.00



ERIE_ST__34_KV_TB1-2 80199	18.83 0.04 0.00	17.43 0.10 0.00	17.14 0.07 0.00	16.96 0.03 0.00	18.02 -0.07 0.00	18.65 -0.03 0.00	20.20 0.16 0.00	22.95 0.04 0.00	25.51 0.38 0.00	23.39 0.64 0.00	21.39 0.66 0.00	22.17 0.63 0.00	21.31 0.35 0.00	22.12 0.51 0.00	22.00 0.34 0.00	22.69 0.43 0.00	27.96 0.28 0.00	25.37 0.28 0.00	24.90 0.24 0.00	24.55 0.02 0.00	24.74 -0.03 0.00	20.74 -0.17 0.00	20.70 -0.29 0.00	20.81 -0.04 0.00
ERIE_WT_PWR 323693	18.76 -0.02 0.00	17.38 0.05 0.00	17.09 0.02 0.00	16.90 -0.03 0.00	17.96 -0.13 0.00	18.56 -0.12 0.00	20.11 0.07 0.00	22.82 -0.09 0.00	25.37 0.24 0.00	23.25 0.51 0.00	21.26 0.52 0.00	22.02 0.48 0.00	21.19 0.23 0.00	21.97 0.36 0.00	21.84 0.18 0.00	22.53 0.26 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.72 0.05 0.00	24.37 -0.17 0.00	24.56 -0.20 0.00	20.61 -0.29 0.00	20.63 -0.36 0.00	20.68 -0.17 0.00
ESPRGFLD_115KV_TB1 80157	19.85 1.07 0.00	18.26 0.93 0.00	17.96 0.89 0.00	17.80 0.87 0.00	19.02 0.93 0.00	19.68 1.00 0.00	21.33 1.30 0.00	24.47 1.56 0.00	26.89 1.76 0.00	24.38 1.64 0.00	22.14 1.41 0.00	22.92 1.39 0.00	22.26 1.30 0.00	22.94 1.33 0.00	22.92 1.27 0.00	23.78 1.51 0.00	29.51 1.83 0.00	26.65 1.56 0.00	26.19 1.54 0.00	25.96 1.42 0.00	26.18 1.41 0.00	22.08 1.17 0.00	22.21 1.21 0.00	22.03 1.18 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	19.07 0.29 0.00	17.58 0.25 0.00	17.30 0.23 0.00	17.16 0.23 0.00	18.33 0.24 0.00	19.00 0.31 0.00	20.49 0.45 0.00	23.42 0.51 0.00	25.71 0.58 0.00	23.25 0.51 0.00	21.19 0.45 0.00	21.93 0.39 0.00	21.30 0.34 0.00	21.99 0.38 0.00	22.02 0.36 0.00	22.68 0.42 0.00	28.24 0.56 0.00	25.63 0.55 0.00	25.24 0.58 0.00	25.06 0.53 0.00	25.31 0.54 0.00	21.33 0.43 0.00	21.37 0.38 0.00	21.24 0.39 0.00
ETNA____115KV_TB2 80207	19.07 0.29 0.00	17.58 0.25 0.00	17.30 0.23 0.00	17.16 0.23 0.00	18.33 0.24 0.00	19.00 0.31 0.00	20.49 0.45 0.00	23.42 0.51 0.00	25.71 0.58 0.00	23.25 0.51 0.00	21.19 0.45 0.00	21.93 0.39 0.00	21.30 0.34 0.00	21.99 0.38 0.00	22.02 0.36 0.00	22.68 0.42 0.00	28.24 0.56 0.00	25.63 0.55 0.00	25.24 0.58 0.00	25.06 0.53 0.00	25.31 0.54 0.00	21.33 0.43 0.00	21.37 0.38 0.00	21.24 0.39 0.00
EUCLID____115KV_TB2 356179	18.58 -0.20 0.00	17.15 -0.18 0.00	16.88 -0.19 0.00	16.74 -0.19 0.00	17.88 -0.21 0.00	18.49 -0.19 0.00	19.90 -0.14 0.00	22.73 -0.18 0.00	24.96 -0.17 0.00	22.55 -0.19 0.00	20.50 -0.24 0.00	21.29 -0.25 0.00	20.69 -0.27 0.00	21.34 -0.27 0.00	21.36 -0.29 0.00	21.99 -0.28 0.00	27.31 -0.36 0.00	24.79 -0.30 0.00	24.37 -0.29 0.00	24.21 -0.33 0.00	24.42 -0.34 0.00	20.60 -0.30 0.00	20.72 -0.27 0.00	20.61 -0.23 0.00
E_CANADA_CAP_HY 24051	20.19 1.41 0.00	18.58 1.25 0.00	18.28 1.21 0.00	18.13 1.20 0.00	19.37 1.27 0.00	20.03 1.34 0.00	21.68 1.64 0.00	24.88 1.97 0.00	27.32 2.19 0.00	24.74 2.00 0.00	22.39 1.65 0.00	23.16 1.62 0.00	22.49 1.53 0.00	23.15 1.55 0.00	23.15 1.50 0.00	24.05 1.78 0.00	29.89 2.21 0.00	26.91 1.83 0.00	26.47 1.81 0.00	26.27 1.74 0.00	26.52 1.75 0.00	22.39 1.48 0.00	22.53 1.53 0.00	22.34 1.49 0.00
E_CANADA_MHWK_HY 24050	18.67 -0.11 0.00	17.23 -0.11 0.00	16.97 -0.10 0.00	16.84 -0.09 0.00	18.03 -0.07 0.00	18.69 0.00 0.00	19.97 -0.06 0.00	22.80 -0.11 0.00	24.88 -0.25 0.00	22.52 -0.22 0.00	20.64 -0.09 0.00	21.40 -0.13 0.00	20.85 -0.11 0.00	21.39 -0.22 0.00	21.45 -0.20 0.00	22.08 -0.19 0.00	27.54 -0.14 0.00	25.19 0.10 0.00	24.78 0.12 0.00	24.80 0.26 0.00	25.10 0.33 0.00	21.21 0.30 0.00	21.07 0.07 0.00	20.98 0.13 0.00
E_FISHKILL____LBMP 23776	19.48 0.70 0.00	17.96 0.63 0.00	17.69 0.62 0.00	17.56 0.63 0.00	18.78 0.69 0.00	19.39 0.71 0.00	20.82 0.78 0.00	23.80 0.89 0.00	26.09 0.96 0.00	23.76 1.02 0.00	21.77 1.04 0.00	22.63 1.10 0.00	22.09 1.13 0.00	22.76 1.15 0.00	22.84 1.18 0.00	23.48 1.21 0.00	29.21 1.53 0.00	26.66 1.58 0.00	26.18 1.52 0.00	25.96 1.43 0.00	26.16 1.39 0.00	22.09 1.18 0.00	22.02 1.03 0.00	21.92 1.07 0.00
FALCON____SEABRD_CC1 323796	19.62 0.84 0.00	18.07 0.74 0.00	17.80 0.73 0.00	17.65 0.72 0.00	18.86 0.76 0.00	19.42 0.74 0.00	20.71 0.67 0.00	23.90 0.99 0.00	26.22 1.08 0.00	23.75 1.01 0.00	21.62 0.88 0.00	22.29 0.76 0.00	21.66 0.70 0.00	22.38 0.78 0.00	22.38 0.72 0.00	22.96 0.69 0.00	28.55 0.86 0.00	25.77 0.69 0.00	25.44 0.78 0.00	25.53 0.99 0.00	25.85 1.08 0.00	21.70 0.79 0.00	21.73 0.73 0.00	21.36 0.51 0.00
FALCON____SEABRD_CC2 323797	19.62 0.84 0.00	18.07 0.74 0.00	17.80 0.73 0.00	17.65 0.72 0.00	18.86 0.76 0.00	19.42 0.74 0.00	20.71 0.67 0.00	23.90 0.99 0.00	26.22 1.08 0.00	23.75 1.01 0.00	21.62 0.88 0.00	22.29 0.76 0.00	21.66 0.70 0.00	22.38 0.78 0.00	22.38 0.72 0.00	22.96 0.69 0.00	28.55 0.86 0.00	25.77 0.69 0.00	25.44 0.78 0.00	25.53 0.99 0.00	25.85 1.08 0.00	21.70 0.79 0.00	21.73 0.73 0.00	21.36 0.51 0.00
FAR ROCKAWAY____4 23548	20.14 1.28 -0.07	18.98 1.19 -0.46	18.21 1.15 0.00	18.07 1.14 0.00	19.47 1.25 -0.13	20.39 1.30 -0.42	22.09 1.39 -0.66	24.36 1.45 0.00	26.75 1.62 0.00	25.03 1.69 -0.60	28.15 1.71 -5.70	29.99 1.74 -6.72	28.56 1.75 -5.86	26.58 1.79 -3.18	34.00 1.82 -10.52	26.33 1.91 -2.16	30.07 2.38 -0.01	28.60 2.47 -1.04	73.65 2.39 -46.60	57.28 2.31 -30.44	65.25 2.28 -38.20	46.20 1.88 -23.42	27.15 1.74 -4.42	27.02 1.82 -4.35
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	19.65 0.86 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.53 0.85 0.00	20.97 0.94 0.00	24.00 1.09 0.00	26.35 1.22 0.00	24.04 1.30 0.00	22.03 1.30 0.00	22.92 1.38 0.00	22.38 1.42 0.00	23.07 1.47 0.00	23.15 1.50 0.00	23.83 1.56 0.00	29.60 1.92 0.00	27.06 1.97 0.00	26.55 1.89 0.00	26.28 1.74 0.00	26.45 1.68 0.00	22.30 1.40 0.00	22.21 1.22 0.00	22.12 1.28 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	19.66 0.87 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.70 0.78 0.00	18.93 0.84 0.00	19.54 0.86 0.00	20.98 0.95 0.00	24.02 1.10 0.00	26.36 1.24 0.00	24.04 1.30 0.00	22.04 1.31 0.00	22.93 1.39 0.00	22.39 1.43 0.00	23.08 1.48 0.00	23.17 1.51 0.00	23.85 1.58 0.00	29.62 1.95 0.00	27.07 1.99 0.00	26.56 1.90 0.00	26.29 1.76 0.00	26.46 1.70 0.00	22.32 1.41 0.00	22.23 1.23 0.00	22.14 1.29 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	19.64 0.86 0.00	18.10 0.76 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.53 0.84 0.00	20.96 0.93 0.00	24.00 1.09 0.00	26.34 1.21 0.00	24.03 1.29 0.00	22.02 1.29 0.00	22.91 1.38 0.00	22.37 1.41 0.00	23.06 1.46 0.00	23.15 1.49 0.00	23.83 1.56 0.00	29.60 1.92 0.00	27.04 1.96 0.00	26.53 1.87 0.00	26.27 1.73 0.00	26.44 1.67 0.00	22.29 1.39 0.00	22.21 1.21 0.00	22.12 1.27 0.00



FARRAGUT___LBMP 323566	19.63 0.85 0.00	18.08 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.81 0.00	19.51 0.83 0.00	20.95 0.92 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.27 0.00	22.00 1.27 0.00	22.89 1.36 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.13 1.47 0.00	23.80 1.54 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.51 1.85 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.19 1.20 0.00	22.10 1.25 0.00
FENNER___WINDPWR 24204	19.11 0.33 0.00	17.62 0.29 0.00	17.34 0.27 0.00	17.20 0.27 0.00	18.37 0.28 0.00	19.03 0.35 0.00	20.47 0.44 0.00	23.40 0.49 0.00	25.68 0.55 0.00	23.20 0.46 0.00	21.13 0.39 0.00	21.92 0.38 0.00	21.33 0.37 0.00	21.96 0.36 0.00	22.04 0.39 0.00	22.67 0.40 0.00	28.19 0.51 0.00	25.54 0.45 0.00	25.12 0.46 0.00	24.99 0.46 0.00	25.26 0.49 0.00	21.30 0.39 0.00	21.34 0.35 0.00	21.21 0.36 0.00
FIBERTEK___ENERGY 23856	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
FITZPATRICK____ 23598	18.34 -0.44 0.00	16.94 -0.40 0.00	16.67 -0.40 0.00	16.53 -0.40 0.00	17.66 -0.44 0.00	18.25 -0.44 0.00	19.62 -0.42 0.00	22.42 -0.49 0.00	24.59 -0.54 0.00	22.21 -0.54 0.00	20.16 -0.58 0.00	20.94 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.62 0.00	21.02 -0.64 0.00	21.64 -0.63 0.00	26.88 -0.80 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.83 -0.71 0.00	24.05 -0.72 0.00	20.30 -0.61 0.00	20.44 -0.55 0.00	20.34 -0.51 0.00
FLOWFLD_69_KV_BK1 356044	20.03 1.17 -0.07	18.96 1.17 -0.46	18.18 1.11 0.00	18.04 1.12 0.00	19.49 1.26 -0.13	20.36 1.26 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.81 1.68 0.00	25.05 1.70 -0.60	28.12 1.68 -5.70	29.92 1.66 -6.72	28.43 1.61 -5.86	26.41 1.62 -3.18	33.88 1.70 -10.52	26.24 1.82 -2.16	29.91 2.23 0.00	28.55 2.42 -1.04	73.55 2.42 -46.48	57.17 2.40 -30.23	65.29 2.34 -38.18	46.21 1.89 -23.41	27.20 1.79 -4.42	26.86 1.67 -4.35
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.69 0.91 0.00	18.13 0.80 0.00	17.85 0.79 0.00	17.72 0.79 0.00	18.96 0.87 0.00	19.58 0.90 0.00	21.06 1.02 0.00	24.08 1.17 0.00	26.40 1.28 0.00	24.05 1.30 0.00	22.02 1.28 0.00	22.91 1.37 0.00	22.35 1.39 0.00	23.03 1.42 0.00	23.10 1.44 0.00	23.76 1.50 0.00	29.61 1.93 0.00	27.01 1.93 0.00	26.53 1.87 0.00	26.31 1.77 0.00	26.49 1.73 0.00	22.36 1.45 0.00	22.30 1.31 0.00	22.18 1.33 0.00
FORT ORANGE____ 23900	19.17 0.39 0.00	17.71 0.38 0.00	17.47 0.40 0.00	17.34 0.41 0.00	18.55 0.46 0.00	19.14 0.46 0.00	20.44 0.41 0.00	23.40 0.50 0.00	25.60 0.47 0.00	23.22 0.48 0.00	21.20 0.46 0.00	21.98 0.45 0.00	21.44 0.48 0.00	22.10 0.49 0.00	22.17 0.51 0.00	22.70 0.43 0.00	28.32 0.64 0.00	25.84 0.76 0.00	25.41 0.75 0.00	25.33 0.79 0.00	25.60 0.83 0.00	21.61 0.70 0.00	21.52 0.53 0.00	21.42 0.57 0.00
FORT_DRUM_COGEN 23780	19.46 0.69 0.00	17.94 0.60 0.00	17.69 0.62 0.00	17.54 0.61 0.00	18.75 0.65 0.00	19.42 0.74 0.00	20.94 0.90 0.00	23.88 0.97 0.00	26.02 0.89 0.00	23.22 0.48 0.00	21.01 0.27 0.00	22.13 0.59 0.00	21.39 0.43 0.00	21.98 0.37 0.00	22.07 0.42 0.00	22.61 0.34 0.00	28.17 0.49 0.00	25.60 0.52 0.00	25.20 0.54 0.00	25.20 0.66 0.00	25.65 0.88 0.00	21.57 0.67 0.00	21.55 0.56 0.00	21.29 0.44 0.00
FPL_FAR_ROCK_GT1 24212	20.14 1.28 -0.07	18.98 1.18 -0.46	18.21 1.15 0.00	18.07 1.14 0.00	19.47 1.24 -0.13	20.40 1.30 -0.42	22.08 1.38 -0.66	24.36 1.45 0.00	26.75 1.62 0.00	25.03 1.69 -0.60	28.15 1.71 -5.70	29.99 1.74 -6.72	28.56 1.75 -5.86	26.58 1.79 -3.18	34.00 1.83 -10.52	26.33 1.91 -2.16	30.07 2.38 -0.01	28.60 2.47 -1.04	73.65 2.39 -46.60	57.28 2.30 -30.44	65.25 2.28 -38.20	46.20 1.88 -23.42	27.14 1.73 -4.42	27.02 1.82 -4.35
FPL_FAR_ROCK_GT2 23815	20.14 1.28 -0.07	18.98 1.18 -0.46	18.21 1.15 0.00	18.07 1.14 0.00	19.47 1.24 -0.13	20.40 1.30 -0.42	22.08 1.38 -0.66	24.36 1.45 0.00	26.75 1.62 0.00	25.03 1.69 -0.60	28.15 1.71 -5.70	29.99 1.74 -6.72	28.56 1.75 -5.86	26.58 1.79 -3.18	34.00 1.83 -10.52	26.33 1.91 -2.16	30.07 2.38 -0.01	28.60 2.47 -1.04	73.65 2.39 -46.60	57.28 2.30 -30.44	65.25 2.28 -38.20	46.20 1.88 -23.42	27.14 1.73 -4.42	27.02 1.82 -4.35
FRANKLIN_FALL_HYD 24054	19.45 0.67 0.00	17.93 0.59 0.00	17.64 0.58 0.00	17.50 0.56 0.00	18.68 0.59 0.00	19.26 0.58 0.00	20.59 0.56 0.00	23.73 0.82 0.00	26.05 0.92 0.00	23.57 0.82 0.00	21.48 0.74 0.00	22.21 0.68 0.00	21.60 0.64 0.00	22.27 0.67 0.00	22.28 0.63 0.00	22.87 0.61 0.00	28.36 0.68 0.00	25.56 0.47 0.00	25.21 0.55 0.00	25.25 0.71 0.00	25.58 0.81 0.00	21.54 0.63 0.00	21.59 0.60 0.00	21.28 0.43 0.00
FREEPORT_EQUS_GT1 23764	20.02 1.17 -0.07	18.88 1.08 -0.46	18.11 1.05 0.00	17.97 1.04 0.00	19.38 1.15 -0.13	20.30 1.20 -0.42	22.00 1.30 -0.66	24.28 1.37 0.00	26.65 1.52 0.00	24.93 1.60 -0.60	28.04 1.60 -5.70	29.85 1.60 -6.72	28.42 1.60 -5.86	26.40 1.61 -3.18	33.81 1.63 -10.52	26.13 1.70 -2.16	29.74 2.16 0.09	28.39 2.26 -1.04	71.94 2.11 -45.17	54.55 2.04 -27.98	64.76 2.01 -37.98	45.89 1.69 -23.30	27.05 1.64 -4.42	26.86 1.67 -4.35
FREEPORT___CT2 23818	20.02 1.17 -0.07	18.88 1.08 -0.46	18.11 1.05 0.00	17.97 1.04 0.00	19.38 1.15 -0.13	20.30 1.20 -0.42	22.00 1.30 -0.66	24.28 1.37 0.00	26.65 1.52 0.00	24.93 1.60 -0.60	28.04 1.60 -5.70	29.85 1.60 -6.72	28.42 1.60 -5.86	26.40 1.61 -3.18	33.81 1.63 -10.52	26.13 1.70 -2.16	29.74 2.16 0.09	28.39 2.26 -1.04	71.94 2.11 -45.17	54.55 2.04 -27.98	64.76 2.01 -37.98	45.89 1.69 -23.30	27.05 1.64 -4.42	26.86 1.67 -4.35
FRESHKLS_33_KV_LOAD 356253	19.58 0.80 0.00	18.04 0.71 0.00	17.75 0.69 0.00	17.62 0.69 0.00	18.86 0.76 0.00	19.46 0.78 0.00	20.93 0.90 0.00	23.92 1.01 0.00	26.28 1.15 0.00	24.04 1.30 0.00	22.07 1.33 0.00	22.93 1.39 0.00	22.39 1.43 0.00	23.09 1.48 0.00	23.19 1.53 -0.01	23.84 1.57 -0.01	29.71 2.02 -0.01	27.18 2.08 -0.02	26.68 2.02 -0.01	26.43 1.89 -0.01	26.62 1.85 -0.01	22.46 1.55 0.00	22.35 1.36 0.00	22.25 1.40 0.00
FULTON COGEN____ 23766	18.58 -0.20 0.00	17.15 -0.18 0.00	16.88 -0.18 0.00	16.74 -0.19 0.00	17.89 -0.20 0.00	18.50 -0.19 0.00	19.91 -0.12 0.00	22.75 -0.16 0.00	24.94 -0.19 0.00	22.52 -0.23 0.00	20.44 -0.29 0.00	21.25 -0.29 0.00	20.64 -0.32 0.00	21.28 -0.33 0.00	21.33 -0.32 0.00	21.95 -0.32 0.00	27.27 -0.41 0.00	24.78 -0.31 0.00	24.35 -0.31 0.00	24.19 -0.34 0.00	24.42 -0.34 0.00	20.62 -0.29 0.00	20.74 -0.25 0.00	20.64 -0.21 0.00



FULTON___LFGE 323630	20.69 1.91 0.00	19.02 1.69 0.00	18.72 1.66 0.00	18.56 1.63 0.00	19.82 1.73 0.00	20.56 1.88 0.00	22.08 2.05 0.00	25.27 2.36 0.00	27.65 2.52 0.00	24.99 2.25 0.00	22.55 1.82 0.00	23.02 1.48 0.00	22.56 1.59 0.00	22.98 1.38 0.00	23.22 1.56 0.00	24.37 2.10 0.00	30.08 2.41 0.00	27.12 2.04 0.00	26.88 2.22 0.00	26.91 2.37 0.00	27.24 2.47 0.00	22.98 2.08 0.00	23.00 2.00 0.00	23.03 2.18 0.00
G.F.CEMENT___DRP 24184	20.17 1.39 0.00	18.61 1.28 0.00	18.33 1.26 0.00	18.20 1.27 0.00	19.54 1.45 0.00	20.20 1.51 0.00	21.63 1.59 0.00	24.72 1.81 0.00	26.94 1.81 0.00	24.39 1.65 0.00	22.30 1.56 0.00	23.08 1.55 0.00	22.49 1.53 0.00	23.01 1.40 0.00	23.26 1.60 0.00	23.84 1.58 0.00	29.88 2.20 0.00	27.18 2.09 0.00	26.77 2.12 0.00	26.84 2.30 0.00	27.15 2.39 0.00	22.92 2.01 0.00	22.79 1.80 0.00	22.56 1.71 0.00
GARDENVILLE___LBMP 24039	18.70 -0.08 0.00	17.32 -0.01 0.00	17.04 -0.03 0.00	16.86 -0.07 0.00	17.91 -0.19 0.00	18.52 -0.16 0.00	20.05 0.02 0.00	22.75 -0.16 0.00	25.29 0.16 0.00	23.18 0.44 0.00	21.20 0.46 0.00	21.96 0.42 0.00	21.12 0.16 0.00	21.92 0.31 0.00	21.78 0.13 0.00	22.48 0.21 0.00	27.68 0.00 0.00	25.12 0.03 0.00	24.67 0.01 0.00	24.32 -0.22 0.00	24.51 -0.26 0.00	20.55 -0.35 0.00	20.52 -0.47 0.00	20.63 -0.22 0.00
GARDNVLA_35_KV_LD 355827	18.76 -0.02 0.00	17.38 0.04 0.00	17.09 0.02 0.00	16.90 -0.03 0.00	17.95 -0.14 0.00	18.57 -0.11 0.00	20.11 0.07 0.00	22.83 -0.08 0.00	25.38 0.25 0.00	23.27 0.53 0.00	21.27 0.54 0.00	22.04 0.51 0.00	21.20 0.24 0.00	22.00 0.40 0.00	21.86 0.21 0.00	22.56 0.29 0.00	27.78 0.10 0.00	25.21 0.13 0.00	24.76 0.10 0.00	24.41 -0.13 0.00	24.60 -0.17 0.00	20.64 -0.27 0.00	20.61 -0.39 0.00	20.71 -0.14 0.00
GELCKHM___115KV_LOAD 80723	18.64 -0.14 0.00	17.21 -0.12 0.00	16.93 -0.14 0.00	16.79 -0.14 0.00	17.94 -0.16 0.00	18.55 -0.13 0.00	19.99 -0.04 0.00	22.85 -0.06 0.00	25.07 -0.06 0.00	22.65 -0.09 0.00	20.59 -0.14 0.00	21.38 -0.15 0.00	20.79 -0.17 0.00	21.47 -0.13 0.00	21.50 -0.16 0.00	22.13 -0.14 0.00	27.48 -0.20 0.00	24.91 -0.18 0.00	24.49 -0.17 0.00	24.31 -0.22 0.00	24.52 -0.25 0.00	20.69 -0.22 0.00	20.80 -0.20 0.00	20.67 -0.18 0.00
GENERAL___MILLS 23808	18.74 -0.05 0.00	17.35 0.02 0.00	17.07 0.00 0.00	16.88 -0.05 0.00	17.94 -0.16 0.00	18.55 -0.13 0.00	20.09 0.05 0.00	22.80 -0.11 0.00	25.34 0.21 0.00	23.23 0.49 0.00	21.24 0.50 0.00	22.01 0.47 0.00	21.17 0.20 0.00	21.96 0.36 0.00	21.82 0.17 0.00	22.52 0.25 0.00	27.73 0.05 0.00	25.17 0.08 0.00	24.71 0.05 0.00	24.37 -0.17 0.00	24.55 -0.21 0.00	20.60 -0.31 0.00	20.56 -0.43 0.00	20.67 -0.17 0.00
GE_PLASTICS___DRP 24183	19.16 0.38 0.00	17.70 0.37 0.00	17.45 0.38 0.00	17.32 0.39 0.00	18.53 0.44 0.00	19.12 0.44 0.00	20.44 0.40 0.00	23.39 0.48 0.00	25.59 0.46 0.00	23.22 0.48 0.00	21.21 0.47 0.00	22.01 0.47 0.00	21.47 0.51 0.00	22.11 0.50 0.00	22.19 0.54 0.00	22.75 0.48 0.00	28.34 0.66 0.00	25.82 0.74 0.00	25.38 0.72 0.00	25.30 0.77 0.00	25.54 0.77 0.00	21.56 0.66 0.00	21.51 0.52 0.00	21.39 0.54 0.00
GILBOA___1 23756	19.22 0.44 0.00	17.74 0.40 0.00	17.47 0.40 0.00	17.33 0.40 0.00	18.54 0.45 0.00	19.14 0.46 0.00	20.52 0.49 0.00	23.48 0.56 0.00	25.72 0.59 0.00	23.35 0.61 0.00	21.34 0.61 0.00	22.17 0.63 0.00	21.59 0.63 0.00	22.25 0.65 0.00	22.32 0.67 0.00	22.93 0.66 0.00	28.53 0.85 0.00	25.96 0.88 0.00	25.52 0.86 0.00	25.39 0.85 0.00	25.61 0.85 0.00	21.62 0.71 0.00	21.60 0.60 0.00	21.48 0.63 0.00
GILBOA___2 23757	19.22 0.44 0.00	17.74 0.40 0.00	17.47 0.40 0.00	17.33 0.40 0.00	18.54 0.45 0.00	19.14 0.46 0.00	20.52 0.49 0.00	23.48 0.56 0.00	25.72 0.59 0.00	23.35 0.61 0.00	21.34 0.61 0.00	22.17 0.63 0.00	21.59 0.63 0.00	22.25 0.65 0.00	22.32 0.67 0.00	22.93 0.66 0.00	28.53 0.85 0.00	25.96 0.88 0.00	25.52 0.86 0.00	25.39 0.85 0.00	25.61 0.85 0.00	21.62 0.71 0.00	21.60 0.60 0.00	21.48 0.63 0.00
GILBOA___3 23758	19.22 0.44 0.00	17.74 0.40 0.00	17.47 0.40 0.00	17.33 0.40 0.00	18.54 0.45 0.00	19.14 0.46 0.00	20.52 0.49 0.00	23.48 0.56 0.00	25.72 0.59 0.00	23.35 0.61 0.00	21.34 0.61 0.00	22.17 0.63 0.00	21.59 0.63 0.00	22.25 0.65 0.00	22.32 0.67 0.00	22.93 0.66 0.00	28.53 0.85 0.00	25.96 0.88 0.00	25.52 0.86 0.00	25.39 0.85 0.00	25.61 0.85 0.00	21.62 0.71 0.00	21.60 0.60 0.00	21.48 0.63 0.00
GILBOA___4 23759	19.22 0.44 0.00	17.74 0.40 0.00	17.47 0.40 0.00	17.33 0.40 0.00	18.54 0.45 0.00	19.14 0.46 0.00	20.52 0.49 0.00	23.48 0.56 0.00	25.72 0.59 0.00	23.35 0.61 0.00	21.34 0.61 0.00	22.17 0.63 0.00	21.59 0.63 0.00	22.25 0.65 0.00	22.32 0.67 0.00	22.93 0.66 0.00	28.53 0.85 0.00	25.96 0.88 0.00	25.52 0.86 0.00	25.39 0.85 0.00	25.61 0.85 0.00	21.62 0.71 0.00	21.60 0.60 0.00	21.48 0.63 0.00
GILBOA___ 23599	19.22 0.44 0.00	17.73 0.40 0.00	17.47 0.40 0.00	17.33 0.40 0.00	18.55 0.45 0.00	19.14 0.46 0.00	20.52 0.48 0.00	23.47 0.56 0.00	25.72 0.59 0.00	23.35 0.61 0.00	21.34 0.61 0.00	22.17 0.63 0.00	21.59 0.63 0.00	22.25 0.64 0.00	22.32 0.67 0.00	22.93 0.66 0.00	28.53 0.85 0.00	25.96 0.88 0.00	25.52 0.86 0.00	25.39 0.85 0.00	25.61 0.85 0.00	21.62 0.71 0.00	21.61 0.61 0.00	21.48 0.63 0.00
GINNA___ 23603	17.80 -0.98 0.00	16.45 -0.89 0.00	16.18 -0.89 0.00	16.02 -0.91 0.00	17.09 -1.00 0.00	17.67 -1.01 0.00	19.10 -0.93 0.00	21.80 -1.11 0.00	24.05 -1.08 0.00	21.84 -0.91 0.00	19.91 -0.82 0.00	20.67 -0.87 0.00	19.98 -0.99 0.00	20.67 -0.93 0.00	20.64 -1.01 0.00	21.30 -0.97 0.00	26.35 -1.33 0.00	23.94 -1.15 0.00	23.55 -1.11 0.00	23.33 -1.21 0.00	23.51 -1.27 0.00	19.78 -1.13 0.00	19.83 -1.16 0.00	19.78 -1.07 0.00
GLEN PARK___ 23778	19.56 0.78 0.00	18.02 0.69 0.00	17.75 0.69 0.00	17.60 0.68 0.00	18.82 0.73 0.00	19.51 0.83 0.00	21.03 1.00 0.00	24.00 1.09 0.00	26.11 0.98 0.00	23.25 0.51 0.00	21.03 0.29 0.00	22.21 0.67 0.00	21.46 0.50 0.00	22.06 0.45 0.00	22.13 0.48 0.00	22.65 0.38 0.00	28.24 0.56 0.00	25.69 0.61 0.00	25.29 0.63 0.00	25.29 0.76 0.00	25.77 1.00 0.00	21.69 0.79 0.00	21.67 0.68 0.00	21.41 0.56 0.00
GLENDALE_27_KV_LOAD 356172	19.68 0.90 0.00	18.13 0.80 0.00	17.85 0.78 0.00	17.73 0.80 0.00	18.96 0.87 0.00	19.57 0.89 0.00	21.04 1.00 0.00	24.08 1.17 0.00	26.46 1.33 0.00	24.14 1.39 0.00	22.12 1.39 0.00	23.02 1.48 0.00	22.49 1.53 0.00	23.19 1.58 0.00	23.26 1.61 0.00	23.94 1.67 0.00	29.75 2.07 0.00	27.18 2.09 0.00	26.66 2.00 0.00	26.41 1.87 0.00	26.58 1.81 0.00	22.42 1.51 0.00	22.31 1.32 0.00	22.20 1.36 0.00



GLENWOOD_IC_1_G5 23712	19.88 1.02 -0.07	18.74 0.94 -0.46	17.98 0.91 0.00	17.85 0.92 0.00	19.23 1.00 -0.13	20.14 1.04 -0.42	21.84 1.14 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.81 1.48 -0.60	27.93 1.49 -5.70	29.80 1.55 -6.72	28.37 1.56 -5.86	26.39 1.59 -3.18	33.82 1.64 -10.52	26.12 1.70 -2.16	29.58 1.92 0.02	28.14 2.01 -1.04	72.90 2.08 -46.17	56.05 1.82 -29.69	64.67 1.77 -38.14	45.84 1.56 -23.38	26.87 1.46 -4.42	26.68 1.49 -4.35
GLENWOOD_IC_2_G1 23688	19.79 0.93 -0.07	18.65 0.85 -0.46	17.89 0.82 0.00	17.77 0.84 0.00	19.14 0.91 -0.13	20.04 0.94 -0.42	21.74 1.04 -0.66	24.06 1.15 0.00	26.41 1.28 0.00	24.69 1.35 -0.60	27.81 1.38 -5.70	29.68 1.43 -6.72	28.26 1.45 -5.86	26.28 1.49 -3.18	33.70 1.52 -10.52	26.01 1.58 -2.16	29.63 1.95 0.00	28.15 2.02 -1.04	73.09 1.95 -46.48	56.59 1.83 -30.23	64.73 1.78 -38.18	45.81 1.49 -23.41	26.73 1.32 -4.42	26.57 1.37 -4.35
GLENWOOD_IC_3_G1 23689	19.79 0.93 -0.07	18.65 0.85 -0.46	17.89 0.82 0.00	17.77 0.84 0.00	19.14 0.91 -0.13	20.04 0.94 -0.42	21.74 1.04 -0.66	24.06 1.15 0.00	26.41 1.28 0.00	24.69 1.35 -0.60	27.81 1.38 -5.70	29.68 1.43 -6.72	28.26 1.45 -5.86	26.28 1.49 -3.18	33.70 1.52 -10.52	26.01 1.58 -2.16	29.63 1.95 0.00	28.15 2.02 -1.04	73.09 1.95 -46.48	56.59 1.83 -30.23	64.73 1.78 -38.18	45.81 1.49 -23.41	26.73 1.32 -4.42	26.57 1.37 -4.35
GLENWOOD___4 23550	19.88 1.02 -0.07	18.74 0.94 -0.46	17.98 0.91 0.00	17.85 0.92 0.00	19.23 1.00 -0.13	20.14 1.04 -0.42	21.84 1.14 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.81 1.48 -0.60	27.93 1.49 -5.70	29.80 1.55 -6.72	28.37 1.56 -5.86	26.39 1.59 -3.18	33.82 1.64 -10.52	26.13 1.70 -2.16	29.65 1.99 0.02	28.21 2.08 -1.04	72.91 2.08 -46.17	56.11 1.88 -29.69	64.74 1.84 -38.14	45.87 1.58 -23.38	26.87 1.46 -4.42	26.68 1.49 -4.35
GLENWOOD___5 23614	19.88 1.02 -0.07	18.74 0.94 -0.46	17.98 0.91 0.00	17.85 0.92 0.00	19.23 1.00 -0.13	20.14 1.04 -0.42	21.84 1.14 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.81 1.48 -0.60	27.93 1.49 -5.70	29.80 1.55 -6.72	28.37 1.56 -5.86	26.39 1.59 -3.18	33.82 1.64 -10.52	26.13 1.70 -2.16	29.65 1.99 0.02	28.21 2.08 -1.04	72.91 2.08 -46.17	56.11 1.88 -29.69	64.74 1.84 -38.14	45.87 1.58 -23.38	26.87 1.46 -4.42	26.68 1.49 -4.35
GLOBAL GREEN_PORT_GT1 23814	20.44 1.58 -0.07	19.37 1.57 -0.46	18.63 1.56 0.00	18.52 1.59 0.00	19.99 1.77 -0.13	20.89 1.79 -0.42	22.69 1.99 -0.66	25.04 2.13 0.00	27.49 2.37 0.00	25.69 2.36 -0.60	28.70 2.26 -5.70	30.55 2.29 -6.72	29.00 2.18 -5.86	26.97 2.18 -3.18	34.44 2.26 -10.52	26.86 2.44 -2.16	30.80 3.12 0.00	29.40 3.27 -1.04	74.40 3.26 -46.48	58.02 3.25 -30.23	66.16 3.21 -38.18	46.91 2.59 -23.41	27.79 2.38 -4.42	27.40 2.21 -4.35
GLOBE___DSASP 323697	18.19 -0.59 0.00	16.89 -0.44 0.00	16.62 -0.45 0.00	16.43 -0.50 0.00	17.45 -0.64 0.00	18.01 -0.67 0.00	19.49 -0.54 0.00	22.06 -0.85 0.00	24.51 -0.62 0.00	22.49 -0.26 0.00	20.52 -0.21 0.00	21.27 -0.26 0.00	20.46 -0.50 0.00	21.21 -0.39 0.00	21.10 -0.55 0.00	21.77 -0.50 0.00	26.79 -0.89 0.00	24.29 -0.79 0.00	23.88 -0.78 0.00	23.55 -0.98 0.00	23.71 -1.06 0.00	19.88 -1.02 0.00	19.82 -1.17 0.00	19.99 -0.86 0.00
GOETHSLN___LBMP 323567	19.58 0.79 0.00	18.03 0.69 0.00	17.76 0.69 0.00	17.63 0.70 0.00	18.86 0.76 0.00	19.45 0.77 0.00	20.87 0.83 0.00	23.88 0.97 0.00	26.21 1.08 0.00	23.89 1.15 0.00	21.89 1.15 0.00	22.79 1.25 0.00	22.25 1.29 0.00	22.95 1.34 0.00	23.04 1.39 0.00	23.71 1.44 0.00	29.45 1.77 0.00	26.91 1.83 0.00	26.40 1.74 0.00	26.12 1.58 0.00	26.29 1.53 0.00	22.18 1.28 0.00	22.09 1.10 0.00	22.02 1.17 0.00
GOLAH___69_KV_TB 1_2 80279	18.89 0.11 0.00	17.44 0.11 0.00	17.20 0.13 0.00	17.01 0.08 0.00	18.07 -0.03 0.00	18.71 0.03 0.00	20.23 0.19 0.00	23.03 0.12 0.00	25.42 0.29 0.00	23.12 0.38 0.00	21.08 0.34 0.00	21.88 0.34 0.00	21.13 0.17 0.00	21.83 0.22 0.00	21.75 0.09 0.00	22.40 0.14 0.00	27.70 0.02 0.00	25.19 0.10 0.00	24.76 0.10 0.00	24.51 -0.03 0.00	24.72 -0.05 0.00	20.81 -0.10 0.00	20.82 -0.17 0.00	20.87 0.02 0.00
GOODYEAR_LAKE_HYD 323669	19.47 0.68 0.00	17.93 0.59 0.00	17.64 0.57 0.00	17.50 0.57 0.00	18.71 0.61 0.00	19.35 0.66 0.00	20.89 0.86 0.00	23.93 1.02 0.00	26.27 1.14 0.00	23.85 1.11 0.00	21.76 1.02 0.00	22.56 1.03 0.00	21.94 0.98 0.00	22.61 1.01 0.00	22.63 0.97 0.00	23.36 1.09 0.00	29.02 1.34 0.00	26.32 1.23 0.00	25.86 1.20 0.00	25.65 1.12 0.00	25.87 1.10 0.00	21.82 0.91 0.00	21.88 0.89 0.00	21.73 0.88 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	18.91 0.13 0.00	17.43 0.09 0.00	17.16 0.09 0.00	17.02 0.09 0.00	18.17 0.08 0.00	18.83 0.15 0.00	20.29 0.26 0.00	23.20 0.29 0.00	25.51 0.38 0.00	23.17 0.42 0.00	21.20 0.46 0.00	22.00 0.47 0.00	21.31 0.35 0.00	22.07 0.46 0.00	22.04 0.39 0.00	22.71 0.44 0.00	28.16 0.48 0.00	25.64 0.55 0.00	25.17 0.51 0.00	24.92 0.39 0.00	25.15 0.38 0.00	21.18 0.27 0.00	21.22 0.23 0.00	21.10 0.26 0.00
GOUDEY___7 23579	18.92 0.14 0.00	17.44 0.11 0.00	17.17 0.11 0.00	17.03 0.10 0.00	18.18 0.09 0.00	18.84 0.16 0.00	20.31 0.27 0.00	23.22 0.31 0.00	25.53 0.40 0.00	23.19 0.45 0.00	21.22 0.48 0.00	22.02 0.49 0.00	21.34 0.37 0.00	22.09 0.48 0.00	22.06 0.41 0.00	22.73 0.46 0.00	28.19 0.51 0.00	25.66 0.58 0.00	25.18 0.52 0.00	24.95 0.41 0.00	25.17 0.40 0.00	21.20 0.29 0.00	21.23 0.24 0.00	21.12 0.27 0.00
GOUDEY___8 23580	18.91 0.13 0.00	17.43 0.09 0.00	17.16 0.09 0.00	17.02 0.09 0.00	18.17 0.08 0.00	18.83 0.15 0.00	20.29 0.26 0.00	23.20 0.29 0.00	25.51 0.38 0.00	23.17 0.42 0.00	21.20 0.46 0.00	22.00 0.47 0.00	21.31 0.35 0.00	22.07 0.46 0.00	22.04 0.39 0.00	22.71 0.44 0.00	28.16 0.48 0.00	25.64 0.55 0.00	25.17 0.51 0.00	24.92 0.39 0.00	25.15 0.38 0.00	21.18 0.27 0.00	21.22 0.23 0.00	21.10 0.26 0.00
GOWANUS_GT1_1 24077	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_2 24078	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00



GOWANUS_GT1_3 24079	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_4 24080	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_5 24084	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_6 24111	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_7 24112	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT1_8 24113	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GOWANUS_GT2_1 24114	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_2 24115	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_3 24116	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_4 24117	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_5 24118	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_6 24119	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_7 24120	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT2_8 24121	19.65 0.86 0.00	18.10 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.15 1.54 0.00	23.23 1.57 -0.01	23.90 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.85 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.29 1.30 0.00	22.21 1.36 0.00
GOWANUS_GT3_1 24122	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00



GOWANUS_GT3_2 24123	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_3 24124	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_4 24125	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_5 24126	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_6 24127	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_7 24128	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT3_8 24129	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
GOWANUS_GT4_1 24130	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_2 24131	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_3 24132	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_4 24133	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_5 24134	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_6 24135	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_7 24136	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00
GOWANUS_GT4_8 24137	19.65 0.87 0.00	18.10 0.77 0.00	17.81 0.75 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.06 1.32 0.00	22.06 1.33 0.00	22.95 1.42 0.00	22.43 1.47 0.00	23.14 1.54 0.00	23.23 1.57 -0.01	23.91 1.63 -0.01	29.71 2.03 -0.01	27.16 2.06 -0.02	26.65 1.98 -0.01	26.40 1.86 -0.01	26.57 1.80 -0.01	22.42 1.51 0.00	22.31 1.32 0.00	22.21 1.36 0.00



GREENBSH_115KV_TB3 55895	19.07 0.29 0.00	17.63 0.29 0.00	17.38 0.32 0.00	17.25 0.32 0.00	18.47 0.37 0.00	19.04 0.36 0.00	20.33 0.30 0.00	23.27 0.36 0.00	25.47 0.34 0.00	23.10 0.36 0.00	21.11 0.37 0.00	21.91 0.37 0.00	21.37 0.41 0.00	22.00 0.39 0.00	22.09 0.43 0.00	22.62 0.35 0.00	28.20 0.52 0.00	25.70 0.61 0.00	25.26 0.60 0.00	25.20 0.66 0.00	25.44 0.67 0.00	21.48 0.57 0.00	21.41 0.41 0.00	21.31 0.46 0.00
GREENDGE_115KV_TB5 80291	18.88 0.10 0.00	17.40 0.07 0.00	17.14 0.07 0.00	16.98 0.05 0.00	18.11 0.01 0.00	18.78 0.10 0.00	20.31 0.27 0.00	23.20 0.29 0.00	25.59 0.47 0.00	23.22 0.48 0.00	21.19 0.45 0.00	21.97 0.44 0.00	21.23 0.27 0.00	22.03 0.43 0.00	21.95 0.30 0.00	22.63 0.36 0.00	27.96 0.28 0.00	25.49 0.41 0.00	25.09 0.43 0.00	24.85 0.31 0.00	25.09 0.32 0.00	21.09 0.18 0.00	21.08 0.08 0.00	20.99 0.14 0.00
GREENIDGE___3 23582	18.88 0.10 0.00	17.40 0.07 0.00	17.14 0.07 0.00	16.98 0.05 0.00	18.11 0.01 0.00	18.78 0.10 0.00	20.31 0.27 0.00	23.20 0.29 0.00	25.59 0.47 0.00	23.22 0.48 0.00	21.19 0.45 0.00	21.97 0.44 0.00	21.23 0.27 0.00	22.03 0.43 0.00	21.95 0.30 0.00	22.63 0.36 0.00	27.96 0.28 0.00	25.49 0.41 0.00	25.09 0.43 0.00	24.85 0.31 0.00	25.09 0.32 0.00	21.09 0.18 0.00	21.08 0.08 0.00	20.99 0.14 0.00
GREENIDGE___4 23583	18.89 0.10 0.00	17.41 0.07 0.00	17.14 0.07 0.00	16.98 0.05 0.00	18.11 0.01 0.00	18.78 0.10 0.00	20.31 0.27 0.00	23.20 0.29 0.00	25.60 0.47 0.00	23.22 0.48 0.00	21.19 0.45 0.00	21.97 0.44 0.00	21.23 0.27 0.00	22.03 0.42 0.00	21.95 0.30 0.00	22.63 0.36 0.00	27.96 0.28 0.00	25.49 0.40 0.00	25.08 0.43 0.00	24.85 0.31 0.00	25.09 0.32 0.00	21.09 0.18 0.00	21.10 0.11 0.00	20.99 0.14 0.00
GREENLWN_69_KV_BK 3 55738	19.87 1.02 -0.07	18.78 0.98 -0.46	18.01 0.94 0.00	17.87 0.94 0.00	19.28 1.05 -0.13	20.18 1.08 -0.42	21.88 1.18 -0.66	24.12 1.21 0.00	26.49 1.36 0.00	24.78 1.45 -0.60	27.83 1.39 -5.70	29.65 1.40 -6.72	28.18 1.36 -5.86	26.15 1.36 -3.18	33.59 1.41 -10.52	25.93 1.50 -2.16	29.56 1.88 0.00	28.18 2.06 -1.04	73.12 1.98 -46.48	56.67 1.91 -30.23	64.81 1.86 -38.18	45.85 1.53 -23.41	26.86 1.45 -4.42	26.65 1.46 -4.35
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00
GRISSOM___SOLAR 323813	20.69 1.91 0.00	19.02 1.69 0.00	18.72 1.66 0.00	18.56 1.63 0.00	19.82 1.73 0.00	20.56 1.88 0.00	22.08 2.05 0.00	25.27 2.36 0.00	27.65 2.52 0.00	24.99 2.25 0.00	22.55 1.82 0.00	23.02 1.48 0.00	22.56 1.59 0.00	22.98 1.38 0.00	23.22 1.56 0.00	24.37 2.10 0.00	30.08 2.41 0.00	27.12 2.04 0.00	26.88 2.22 0.00	26.91 2.37 0.00	27.24 2.47 0.00	22.98 2.08 0.00	23.00 2.00 0.00	23.03 2.18 0.00
GROVEVILLE___HYD 323602	19.69 0.91 0.00	18.13 0.80 0.00	17.85 0.79 0.00	17.72 0.79 0.00	18.96 0.87 0.00	19.58 0.90 0.00	21.06 1.02 0.00	24.08 1.17 0.00	26.40 1.28 0.00	24.05 1.30 0.00	22.02 1.28 0.00	22.91 1.37 0.00	22.35 1.39 0.00	23.03 1.42 0.00	23.10 1.44 0.00	23.76 1.50 0.00	29.61 1.93 0.00	27.01 1.93 0.00	26.53 1.87 0.00	26.31 1.77 0.00	26.49 1.73 0.00	22.36 1.45 0.00	22.30 1.31 0.00	22.18 1.33 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
HAMLTNNY_34_KV_TB 80303	18.76 -0.03 0.00	17.31 -0.02 0.00	17.04 -0.03 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.01 0.00	20.13 0.10 0.00	23.03 0.12 0.00	25.28 0.15 0.00	22.85 0.11 0.00	20.78 0.04 0.00	21.57 0.03 0.00	20.96 0.00 0.00	21.65 0.05 0.00	21.67 0.01 0.00	22.31 0.04 0.00	27.70 0.02 0.00	25.13 0.05 0.00	24.72 0.06 0.00	24.54 0.00 0.00	24.74 -0.03 0.00	20.87 -0.03 0.00	20.96 -0.03 0.00	20.82 -0.03 0.00
HAMPSHIRE___PAPER_HYD 323593	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.11 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.14 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.31 0.00	21.04 0.19 0.00
HARDSCRABBLE_WT_PWR 323673	18.73 -0.05 0.00	17.27 -0.06 0.00	17.02 -0.05 0.00	16.88 -0.05 0.00	18.06 -0.03 0.00	18.72 0.04 0.00	20.02 -0.01 0.00	22.88 -0.03 0.00	25.00 -0.13 0.00	22.63 -0.12 0.00	20.71 -0.03 0.00	21.49 -0.04 0.00	20.93 -0.03 0.00	21.47 -0.13 0.00	21.49 -0.16 0.00	22.14 -0.13 0.00	27.60 -0.08 0.00	25.22 0.13 0.00	24.81 0.16 0.00	24.79 0.25 0.00	25.06 0.30 0.00	21.16 0.25 0.00	21.07 0.07 0.00	20.98 0.13 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.53 0.75 0.00	17.98 0.65 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.80 0.71 0.00	19.42 0.74 0.00	20.86 0.82 0.00	23.85 0.94 0.00	26.16 1.03 0.00	23.83 1.09 0.00	21.83 1.09 0.00	22.72 1.19 0.00	22.18 1.22 0.00	22.88 1.28 0.00	22.95 1.30 0.00	23.60 1.34 0.00	29.38 1.71 0.00	26.81 1.73 0.00	26.33 1.67 0.00	26.07 1.53 0.00	26.26 1.50 0.00	22.16 1.25 0.00	22.12 1.13 0.00	22.05 1.21 0.00
HARSNRAD_115KV_TB1 81005	18.48 -0.30 0.00	17.13 -0.20 0.00	16.85 -0.21 0.00	16.67 -0.27 0.00	17.70 -0.39 0.00	18.29 -0.39 0.00	19.80 -0.24 0.00	22.44 -0.48 0.00	24.92 -0.21 0.00	22.85 0.11 0.00	20.86 0.13 0.00	21.63 0.09 0.00	20.81 -0.15 0.00	21.57 -0.04 0.00	21.44 -0.21 0.00	22.12 -0.15 0.00	27.23 -0.45 0.00	24.71 -0.38 0.00	24.29 -0.37 0.00	23.96 -0.58 0.00	24.13 -0.63 0.00	20.24 -0.67 0.00	20.21 -0.78 0.00	20.42 -0.43 0.00
HARZA MOOSE___RIVER 24016	19.31 0.53 0.00	17.79 0.45 0.00	17.53 0.46 0.00	17.38 0.45 0.00	18.58 0.48 0.00	19.24 0.55 0.00	20.67 0.64 0.00	23.62 0.71 0.00	25.85 0.72 0.00	23.28 0.54 0.00	21.15 0.41 0.00	22.05 0.52 0.00	21.41 0.44 0.00	22.02 0.42 0.00	22.14 0.48 0.00	22.72 0.45 0.00	28.26 0.58 0.00	25.59 0.50 0.00	25.16 0.50 0.00	25.13 0.59 0.00	25.47 0.70 0.00	21.43 0.52 0.00	21.43 0.44 0.00	21.24 0.39 0.00



HDSNBRDG_115KV_BRDG_TB1 355580	18.66 -0.12 0.00	17.21 -0.12 0.00	16.94 -0.13 0.00	16.80 -0.13 0.00	17.95 -0.15 0.00	18.56 -0.12 0.00	19.99 -0.05 0.00	22.85 -0.06 0.00	25.08 -0.04 0.00	22.67 -0.07 0.00	20.61 -0.12 0.00	21.41 -0.13 0.00	20.80 -0.16 0.00	21.47 -0.14 0.00	21.49 -0.17 0.00	22.12 -0.15 0.00	27.47 -0.21 0.00	24.93 -0.15 0.00	24.50 -0.16 0.00	24.33 -0.20 0.00	24.55 -0.22 0.00	20.71 -0.20 0.00	20.81 -0.18 0.00	20.70 -0.14 0.00
HELLGATE_13_KV_LD 55870	19.60 0.81 0.00	18.06 0.72 0.00	17.77 0.70 0.00	17.67 0.74 0.00	18.89 0.79 0.00	19.50 0.81 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.20 0.00	24.01 1.26 0.00	22.01 1.28 0.00	22.89 1.35 0.00	22.37 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.53 0.00	29.57 1.90 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.25 1.71 0.00	26.43 1.66 0.00	22.30 1.39 0.00	22.19 1.20 0.00	22.10 1.25 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.60 0.81 0.00	18.06 0.72 0.00	17.77 0.70 0.00	17.67 0.74 0.00	18.89 0.79 0.00	19.50 0.81 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.20 0.00	24.01 1.26 0.00	22.01 1.28 0.00	22.89 1.35 0.00	22.37 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.53 0.00	29.57 1.90 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.25 1.71 0.00	26.43 1.66 0.00	22.30 1.39 0.00	22.19 1.20 0.00	22.10 1.25 0.00
HEMPSTEAD____ 23647	19.86 1.00 -0.07	18.73 0.94 -0.46	17.97 0.90 0.00	17.84 0.91 0.00	19.24 1.01 -0.13	20.14 1.04 -0.42	21.85 1.15 -0.66	24.13 1.22 0.00	26.50 1.37 0.00	24.79 1.45 -0.60	27.90 1.46 -5.70	29.74 1.48 -6.72	28.30 1.48 -5.86	26.29 1.50 -3.18	33.72 1.54 -10.52	26.04 1.61 -2.16	29.61 1.97 0.04	28.22 2.09 -1.04	72.57 2.01 -45.90	55.68 1.91 -29.23	64.73 1.87 -38.10	45.84 1.58 -23.36	26.87 1.46 -4.42	26.68 1.48 -4.35
HEWLETT__69_KV_BK3 55828	20.07 1.21 -0.07	18.92 1.12 -0.46	18.15 1.08 0.00	18.01 1.08 0.00	19.41 1.18 -0.13	20.33 1.23 -0.42	22.01 1.31 -0.66	24.27 1.36 0.00	26.65 1.52 0.00	24.93 1.60 -0.60	28.07 1.63 -5.70	29.90 1.64 -6.72	28.47 1.66 -5.86	26.48 1.69 -3.18	33.90 1.72 -10.52	26.23 1.81 -2.16	29.94 2.25 -0.01	28.48 2.35 -1.04	73.52 2.26 -46.60	57.16 2.18 -30.44	65.12 2.15 -38.20	46.10 1.78 -23.42	27.06 1.65 -4.42	26.92 1.73 -4.35
HICKLING___1 23621	18.97 0.19 0.00	17.47 0.14 0.00	17.19 0.12 0.00	17.05 0.12 0.00	18.18 0.09 0.00	18.88 0.20 0.00	20.44 0.41 0.00	23.38 0.47 0.00	25.79 0.66 0.00	23.51 0.77 0.00	21.55 0.81 0.00	22.37 0.83 0.00	21.57 0.60 0.00	22.46 0.85 0.00	22.34 0.69 0.00	23.02 0.75 0.00	28.41 0.73 0.00	25.92 0.83 0.00	25.45 0.79 0.00	25.14 0.60 0.00	25.38 0.61 0.00	21.30 0.39 0.00	21.29 0.29 0.00	21.09 0.24 0.00
HICKLING___2 23622	18.97 0.19 0.00	17.47 0.14 0.00	17.19 0.12 0.00	17.05 0.12 0.00	18.18 0.09 0.00	18.88 0.20 0.00	20.44 0.41 0.00	23.38 0.47 0.00	25.79 0.66 0.00	23.51 0.77 0.00	21.55 0.81 0.00	22.37 0.83 0.00	21.57 0.60 0.00	22.46 0.85 0.00	22.34 0.69 0.00	23.02 0.75 0.00	28.41 0.73 0.00	25.92 0.83 0.00	25.45 0.79 0.00	25.14 0.60 0.00	25.38 0.61 0.00	21.30 0.39 0.00	21.29 0.29 0.00	21.09 0.24 0.00
HIGH FALLS___HY 23754	19.52 0.74 0.00	17.95 0.62 0.00	17.67 0.60 0.00	17.54 0.61 0.00	18.75 0.66 0.00	19.38 0.70 0.00	20.86 0.82 0.00	23.84 0.93 0.00	26.11 0.99 0.00	23.75 1.01 0.00	21.75 1.02 0.00	22.67 1.14 0.00	22.08 1.12 0.00	22.73 1.12 0.00	22.78 1.13 0.00	23.55 1.28 0.00	29.25 1.57 0.00	26.69 1.60 0.00	26.28 1.62 0.00	26.03 1.49 0.00	26.21 1.44 0.00	22.12 1.21 0.00	22.12 1.13 0.00	22.06 1.21 0.00
HILLBURN___GT 23639	19.51 0.73 0.00	17.96 0.63 0.00	17.69 0.62 0.00	17.56 0.63 0.00	18.77 0.68 0.00	19.38 0.70 0.00	20.79 0.76 0.00	23.78 0.87 0.00	26.09 0.96 0.00	23.77 1.03 0.00	21.79 1.05 0.00	22.68 1.14 0.00	22.14 1.18 0.00	22.83 1.23 0.00	22.91 1.26 0.00	23.58 1.31 0.00	29.34 1.66 0.00	26.77 1.68 0.00	26.26 1.60 0.00	25.98 1.45 0.00	26.17 1.40 0.00	22.08 1.18 0.00	22.02 1.03 0.00	22.00 1.15 0.00
HILLSIDE_115KV_TB1 80332	18.67 -0.11 0.00	17.18 -0.16 0.00	16.91 -0.15 0.00	16.78 -0.15 0.00	17.89 -0.21 0.00	18.59 -0.09 0.00	20.07 0.03 0.00	22.94 0.03 0.00	25.31 0.18 0.00	23.05 0.31 0.00	21.18 0.45 0.00	21.97 0.44 0.00	21.21 0.24 0.00	22.08 0.47 0.00	21.98 0.32 0.00	22.63 0.36 0.00	27.97 0.30 0.00	25.53 0.44 0.00	25.04 0.38 0.00	24.72 0.18 0.00	24.95 0.18 0.00	20.97 0.06 0.00	20.97 -0.02 0.00	20.83 -0.01 0.00
HISHELDN_WT_PWR 323625	18.68 -0.10 0.00	17.28 -0.05 0.00	17.00 -0.06 0.00	16.82 -0.11 0.00	17.88 -0.21 0.00	18.48 -0.20 0.00	20.00 -0.03 0.00	22.74 -0.17 0.00	25.26 0.14 0.00	23.12 0.37 0.00	21.11 0.38 0.00	21.88 0.34 0.00	21.05 0.09 0.00	21.83 0.22 0.00	21.68 0.02 0.00	22.41 0.14 0.00	27.58 -0.10 0.00	25.03 -0.06 0.00	24.61 -0.05 0.00	24.32 -0.22 0.00	24.54 -0.22 0.00	20.57 -0.33 0.00	20.59 -0.40 0.00	20.57 -0.28 0.00
HOLTSVILLE_IC_1 23690	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
HOLTSVILLE_IC_10 23699	20.01 1.15 -0.07	18.93 1.14 -0.46	18.18 1.11 0.00	18.05 1.13 0.00	19.49 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.79 1.66 0.00	25.03 1.69 -0.60	28.10 1.66 -5.70	29.90 1.64 -6.72	28.41 1.59 -5.86	26.40 1.61 -3.18	33.86 1.68 -10.52	26.24 1.81 -2.16	29.92 2.25 0.00	28.57 2.44 -1.04	73.53 2.39 -46.48	57.15 2.38 -30.23	65.29 2.34 -38.18	46.21 1.90 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35
HOLTSVILLE_IC_2 23691	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
HOLTSVILLE_IC_3 23692	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35



HOLTSVILLE_IC_4 23693	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
HOLTSVILLE_IC_5 23694	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
HOLTSVILLE_IC_6 23695	20.01 1.15 -0.07	18.93 1.14 -0.46	18.18 1.11 0.00	18.05 1.13 0.00	19.49 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.79 1.66 0.00	25.03 1.69 -0.60	28.10 1.66 -5.70	29.90 1.64 -6.72	28.41 1.59 -5.86	26.40 1.61 -3.18	33.86 1.68 -10.52	26.24 1.81 -2.16	29.92 2.25 0.00	28.57 2.44 -1.04	73.53 2.39 -46.48	57.15 2.38 -30.23	65.29 2.34 -38.18	46.21 1.90 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35
HOLTSVILLE_IC_7 23696	20.01 1.15 -0.07	18.93 1.14 -0.46	18.18 1.11 0.00	18.05 1.13 0.00	19.49 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.79 1.66 0.00	25.03 1.69 -0.60	28.10 1.66 -5.70	29.90 1.64 -6.72	28.41 1.59 -5.86	26.40 1.61 -3.18	33.86 1.68 -10.52	26.24 1.81 -2.16	29.92 2.25 0.00	28.57 2.44 -1.04	73.53 2.39 -46.48	57.15 2.38 -30.23	65.29 2.34 -38.18	46.21 1.90 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35
HOLTSVILLE_IC_8 23697	20.01 1.15 -0.07	18.93 1.14 -0.46	18.18 1.11 0.00	18.05 1.13 0.00	19.49 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.79 1.66 0.00	25.03 1.69 -0.60	28.10 1.66 -5.70	29.90 1.64 -6.72	28.41 1.59 -5.86	26.40 1.61 -3.18	33.86 1.68 -10.52	26.24 1.81 -2.16	29.92 2.25 0.00	28.57 2.44 -1.04	73.53 2.39 -46.48	57.15 2.38 -30.23	65.29 2.34 -38.18	46.21 1.90 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35
HOLTSVILLE_IC_9 23698	20.01 1.15 -0.07	18.93 1.14 -0.46	18.18 1.11 0.00	18.05 1.13 0.00	19.49 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.42 1.51 0.00	26.79 1.66 0.00	25.03 1.69 -0.60	28.10 1.66 -5.70	29.90 1.64 -6.72	28.41 1.59 -5.86	26.40 1.61 -3.18	33.86 1.68 -10.52	26.24 1.81 -2.16	29.92 2.25 0.00	28.57 2.44 -1.04	73.53 2.39 -46.48	57.15 2.38 -30.23	65.29 2.34 -38.18	46.21 1.90 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35
HOMER_HL_115KV_TB2 355744	18.93 0.15 0.00	17.53 0.20 0.00	17.27 0.20 0.00	17.12 0.19 0.00	18.21 0.12 0.00	18.89 0.21 0.00	20.48 0.44 0.00	23.28 0.37 0.00	25.80 0.67 0.00	23.63 0.89 0.00	21.70 0.96 0.00	22.49 0.95 0.00	21.53 0.57 0.00	22.37 0.77 0.00	22.29 0.63 0.00	23.03 0.76 0.00	28.36 0.68 0.00	25.79 0.70 0.00	25.28 0.62 0.00	24.87 0.33 0.00	25.06 0.29 0.00	21.03 0.12 0.00	21.01 0.02 0.00	21.03 0.19 0.00
HOWARD_WT_PWR 323690	18.93 0.15 0.00	17.42 0.09 0.00	17.20 0.13 0.00	17.04 0.11 0.00	18.16 0.07 0.00	18.80 0.12 0.00	20.33 0.29 0.00	23.17 0.26 0.00	25.72 0.59 0.00	23.46 0.72 0.00	21.43 0.69 0.00	22.23 0.70 0.00	21.38 0.42 0.00	22.24 0.63 0.00	21.99 0.33 0.00	22.72 0.45 0.00	27.85 0.18 0.00	25.39 0.30 0.00	25.15 0.49 0.00	24.93 0.39 0.00	25.15 0.39 0.00	21.03 0.13 0.00	20.95 -0.05 0.00	20.81 -0.04 0.00
HQ_GEN_CEDARS 23644	18.88 0.10 0.00	17.43 0.09 0.00	17.17 0.10 0.00	17.02 0.09 0.00	18.16 0.07 0.00	18.73 0.04 0.00	20.03 -0.01 0.00	22.95 0.04 0.00	25.20 0.07 0.00	22.75 0.01 0.00	20.74 0.01 0.00	21.53 -0.01 0.00	20.95 -0.01 0.00	21.59 -0.01 0.00	21.62 -0.03 0.00	22.24 -0.03 0.00	27.57 -0.11 0.00	24.80 -0.28 0.00	24.42 -0.24 0.00	24.37 -0.16 0.00	24.69 -0.07 0.00	20.84 -0.06 0.00	20.95 -0.04 0.00	20.75 -0.10 0.00
HQ_GEN_CEDARS_PROXY 323590	18.89 0.10 0.00	17.43 0.10 0.00	17.17 0.10 0.00	17.02 0.09 0.00	18.16 0.07 0.00	18.72 0.04 0.00	20.02 -0.02 0.00	22.95 0.04 0.00	25.20 0.07 0.00	22.75 0.01 0.00	20.74 0.01 0.00	21.53 -0.01 0.00	20.95 -0.01 0.00	21.59 -0.01 0.00	21.62 -0.03 0.00	22.24 -0.03 0.00	27.57 -0.11 0.00	24.80 -0.28 0.00	24.42 -0.24 0.00	24.37 -0.16 0.00	24.69 -0.07 0.00	20.85 -0.06 0.00	20.95 -0.04 0.00	20.75 -0.10 0.00
HQ_GEN_IMPORT 323601	18.69 -0.09 0.00	17.25 -0.09 0.00	16.99 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.57 -0.12 0.00	19.85 -0.18 0.00	22.71 -0.20 0.00	24.93 -0.20 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.36 -0.18 0.00	20.79 -0.17 0.00	21.43 -0.17 0.00	21.47 -0.18 0.00	22.09 -0.18 0.00	27.43 -0.25 0.00	24.75 -0.34 0.00	24.34 -0.32 0.00	24.25 -0.29 0.00	24.50 -0.27 0.00	20.68 -0.23 0.00	20.82 -0.18 0.00	20.62 -0.23 0.00
HQ_GEN_WHEEL 23651	18.69 -0.09 0.00	17.25 -0.09 0.00	16.99 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.57 -0.12 0.00	19.85 -0.18 0.00	22.71 -0.20 0.00	24.93 -0.20 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.36 -0.18 0.00	20.79 -0.17 0.00	21.43 -0.17 0.00	21.47 -0.18 0.00	22.09 -0.18 0.00	27.43 -0.25 0.00	24.75 -0.34 0.00	24.34 -0.32 0.00	24.25 -0.29 0.00	24.50 -0.27 0.00	20.68 -0.23 0.00	20.82 -0.18 0.00	20.62 -0.23 0.00
HUDSON_AVE_GT_3 23810	19.66 0.88 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.70 0.78 0.00	18.94 0.85 0.00	19.54 0.86 0.00	20.98 0.95 0.00	24.02 1.11 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.93 1.40 0.00	22.40 1.44 0.00	23.09 1.49 0.00	23.18 1.52 0.00	23.85 1.58 0.00	29.63 1.95 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.29 1.76 0.00	26.47 1.70 0.00	22.32 1.42 0.00	22.23 1.24 0.00	22.14 1.30 0.00
HUDSON_AVE_GT_4 23540	19.66 0.88 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.70 0.78 0.00	18.94 0.85 0.00	19.54 0.86 0.00	20.98 0.95 0.00	24.02 1.11 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.93 1.40 0.00	22.40 1.44 0.00	23.09 1.49 0.00	23.18 1.52 0.00	23.85 1.58 0.00	29.63 1.95 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.29 1.76 0.00	26.47 1.70 0.00	22.32 1.42 0.00	22.23 1.24 0.00	22.14 1.30 0.00
HUDSON_AVE_GT_5 23657	19.66 0.88 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.70 0.78 0.00	18.94 0.85 0.00	19.54 0.86 0.00	20.98 0.95 0.00	24.02 1.11 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.93 1.40 0.00	22.40 1.44 0.00	23.09 1.49 0.00	23.18 1.52 0.00	23.85 1.58 0.00	29.63 1.95 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.29 1.76 0.00	26.47 1.70 0.00	22.32 1.42 0.00	22.23 1.24 0.00	22.14 1.30 0.00



HUDSON_AVE_10 24168	19.61 0.83 0.00	18.07 0.74 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.82 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.31 1.18 0.00	23.99 1.25 0.00	21.98 1.25 0.00	22.87 1.33 0.00	22.34 1.37 0.00	23.03 1.42 0.00	23.11 1.45 0.00	23.78 1.52 0.00	29.54 1.86 0.00	27.00 1.92 0.00	26.48 1.82 0.00	26.22 1.68 0.00	26.40 1.63 0.00	22.26 1.36 0.00	22.19 1.19 0.00	22.09 1.24 0.00
HUDSON___115KV_TB 4 355613	19.43 0.65 0.00	17.95 0.62 0.00	17.69 0.63 0.00	17.56 0.63 0.00	18.81 0.71 0.00	19.41 0.73 0.00	20.76 0.72 0.00	23.78 0.87 0.00	26.00 0.87 0.00	23.56 0.82 0.00	21.49 0.75 0.00	22.21 0.67 0.00	21.65 0.69 0.00	22.39 0.79 0.00	22.44 0.78 0.00	22.94 0.67 0.00	28.66 0.98 0.00	26.22 1.14 0.00	25.78 1.12 0.00	25.71 1.17 0.00	26.01 1.24 0.00	21.96 1.05 0.00	21.84 0.85 0.00	21.72 0.87 0.00
HUNTER MOUNT___DRP 323613	19.52 0.74 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.92 0.82 0.00	19.52 0.84 0.00	20.88 0.85 0.00	23.93 1.02 0.00	26.17 1.04 0.00	23.70 0.95 0.00	21.59 0.85 0.00	22.25 0.71 0.00	21.72 0.76 0.00	22.48 0.87 0.00	22.54 0.89 0.00	23.00 0.73 0.00	28.75 1.08 0.00	26.37 1.28 0.00	25.90 1.25 0.00	25.84 1.30 0.00	26.17 1.40 0.00	22.10 1.19 0.00	21.96 0.97 0.00	21.80 0.95 0.00
HUNTINGTON_RES_REC 323705	19.92 1.06 -0.07	18.84 1.04 -0.46	18.07 1.00 0.00	17.95 1.02 0.00	19.37 1.14 -0.13	20.27 1.17 -0.42	22.01 1.31 -0.66	24.27 1.36 0.00	26.65 1.52 0.00	24.91 1.57 -0.60	27.96 1.52 -5.70	29.77 1.51 -6.72	28.27 1.45 -5.86	26.26 1.47 -3.18	33.73 1.55 -10.52	26.07 1.65 -2.16	29.74 2.06 0.00	28.38 2.25 -1.04	73.34 2.20 -46.48	56.93 2.16 -30.23	65.07 2.12 -38.18	46.04 1.72 -23.41	27.02 1.61 -4.42	26.74 1.54 -4.35
HUNTLEY___63 23557	18.56 -0.22 0.00	17.21 -0.12 0.00	16.93 -0.13 0.00	16.75 -0.18 0.00	17.79 -0.31 0.00	18.38 -0.30 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.30 0.00	21.86 0.33 0.00	21.02 0.06 0.00	21.80 0.19 0.00	21.66 0.01 0.00	22.34 0.07 0.00	27.49 -0.18 0.00	24.94 -0.14 0.00	24.52 -0.14 0.00	24.18 -0.36 0.00	24.35 -0.42 0.00	20.43 -0.48 0.00	20.37 -0.62 0.00	20.53 -0.32 0.00
HUNTLEY___64 23558	18.56 -0.22 0.00	17.21 -0.12 0.00	16.93 -0.13 0.00	16.75 -0.18 0.00	17.79 -0.31 0.00	18.38 -0.30 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.30 0.00	21.86 0.33 0.00	21.02 0.06 0.00	21.80 0.19 0.00	21.66 0.01 0.00	22.34 0.07 0.00	27.49 -0.18 0.00	24.94 -0.14 0.00	24.52 -0.14 0.00	24.18 -0.36 0.00	24.35 -0.42 0.00	20.43 -0.48 0.00	20.37 -0.62 0.00	20.53 -0.32 0.00
HUNTLEY___65 23559	18.56 -0.22 0.00	17.21 -0.12 0.00	16.93 -0.13 0.00	16.75 -0.18 0.00	17.79 -0.31 0.00	18.38 -0.30 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.30 0.00	21.86 0.33 0.00	21.02 0.06 0.00	21.80 0.19 0.00	21.66 0.01 0.00	22.34 0.07 0.00	27.49 -0.18 0.00	24.94 -0.14 0.00	24.52 -0.14 0.00	24.18 -0.36 0.00	24.35 -0.42 0.00	20.43 -0.48 0.00	20.37 -0.62 0.00	20.53 -0.32 0.00
HUNTLEY___66 23560	18.56 -0.22 0.00	17.21 -0.12 0.00	16.93 -0.13 0.00	16.75 -0.18 0.00	17.79 -0.31 0.00	18.38 -0.30 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.30 0.00	21.86 0.33 0.00	21.02 0.06 0.00	21.80 0.19 0.00	21.66 0.01 0.00	22.34 0.07 0.00	27.49 -0.18 0.00	24.94 -0.14 0.00	24.52 -0.14 0.00	24.18 -0.36 0.00	24.35 -0.42 0.00	20.43 -0.48 0.00	20.37 -0.62 0.00	20.53 -0.32 0.00
HUNTLEY___67 23561	18.54 -0.24 0.00	17.18 -0.15 0.00	16.90 -0.17 0.00	16.72 -0.21 0.00	17.76 -0.34 0.00	18.35 -0.34 0.00	19.86 -0.18 0.00	22.52 -0.39 0.00	25.03 -0.10 0.00	22.95 0.20 0.00	20.96 0.22 0.00	21.72 0.18 0.00	20.89 -0.07 0.00	21.66 0.06 0.00	21.54 -0.11 0.00	22.23 -0.04 0.00	27.37 -0.31 0.00	24.83 -0.25 0.00	24.39 -0.27 0.00	24.06 -0.48 0.00	24.23 -0.54 0.00	20.32 -0.58 0.00	20.30 -0.69 0.00	20.45 -0.39 0.00
HUNTLEY___68 23562	18.54 -0.24 0.00	17.18 -0.15 0.00	16.90 -0.17 0.00	16.72 -0.21 0.00	17.76 -0.34 0.00	18.35 -0.34 0.00	19.86 -0.18 0.00	22.52 -0.39 0.00	25.03 -0.10 0.00	22.95 0.20 0.00	20.96 0.22 0.00	21.72 0.18 0.00	20.89 -0.07 0.00	21.66 0.06 0.00	21.54 -0.11 0.00	22.23 -0.04 0.00	27.37 -0.31 0.00	24.83 -0.25 0.00	24.39 -0.27 0.00	24.06 -0.48 0.00	24.23 -0.54 0.00	20.32 -0.58 0.00	20.30 -0.69 0.00	20.45 -0.39 0.00
HYLAND___LFGE 323620	19.45 0.67 0.00	17.95 0.61 0.00	17.65 0.58 0.00	17.48 0.55 0.00	18.66 0.56 0.00	19.31 0.63 0.00	21.00 0.96 0.00	23.97 1.06 0.00	26.26 1.13 0.00	23.51 0.77 0.00	21.41 0.68 0.00	22.32 0.79 0.00	21.42 0.46 0.00	22.27 0.67 0.00	22.14 0.49 0.00	22.93 0.66 0.00	28.24 0.56 0.00	25.83 0.74 0.00	25.54 0.88 0.00	25.32 0.78 0.00	25.92 1.15 0.00	21.81 0.90 0.00	21.77 0.78 0.00	21.53 0.68 0.00
INDECK___CORINTH 23802	20.13 1.34 0.00	18.57 1.23 0.00	18.29 1.22 0.00	18.15 1.22 0.00	19.49 1.40 0.00	20.14 1.46 0.00	21.58 1.54 0.00	24.66 1.75 0.00	26.89 1.77 0.00	24.37 1.62 0.00	22.27 1.53 0.00	23.03 1.49 0.00	22.43 1.47 0.00	22.92 1.32 0.00	23.20 1.55 0.00	23.80 1.53 0.00	29.87 2.19 0.00	27.16 2.07 0.00	26.74 2.09 0.00	26.78 2.25 0.00	27.09 2.32 0.00	22.86 1.95 0.00	22.74 1.75 0.00	22.51 1.66 0.00
INDECK___ILION 23567	18.78 -0.01 0.00	17.32 -0.01 0.00	17.07 0.00 0.00	16.93 0.00 0.00	18.11 0.02 0.00	18.73 0.05 0.00	20.07 0.03 0.00	22.93 0.02 0.00	25.10 -0.03 0.00	22.72 -0.02 0.00	20.76 0.02 0.00	21.55 0.01 0.00	20.97 0.01 0.00	21.58 -0.03 0.00	21.64 -0.02 0.00	22.26 0.00 0.00	27.72 0.05 0.00	25.23 0.14 0.00	24.81 0.14 0.00	24.75 0.21 0.00	25.00 0.23 0.00	21.11 0.20 0.00	21.10 0.10 0.00	20.98 0.13 0.00
INDECK___OLEAN 23982	18.94 0.16 0.00	17.54 0.20 0.00	17.27 0.20 0.00	17.12 0.19 0.00	18.22 0.12 0.00	18.89 0.20 0.00	20.48 0.44 0.00	23.28 0.37 0.00	25.80 0.67 0.00	23.63 0.89 0.00	21.70 0.96 0.00	22.49 0.95 0.00	21.54 0.57 0.00	22.37 0.76 0.00	22.29 0.63 0.00	23.02 0.75 0.00	28.36 0.68 0.00	25.79 0.70 0.00	25.28 0.62 0.00	24.87 0.33 0.00	25.06 0.29 0.00	21.03 0.13 0.00	21.07 0.08 0.00	21.04 0.19 0.00
INDECK___OSWEGO 23783	18.49 -0.29 0.00	17.07 -0.27 0.00	16.80 -0.27 0.00	16.66 -0.27 0.00	17.80 -0.30 0.00	18.40 -0.28 0.00	19.81 -0.22 0.00	22.64 -0.27 0.00	24.81 -0.33 0.00	22.38 -0.36 0.00	20.31 -0.43 0.00	21.12 -0.42 0.00	20.50 -0.47 0.00	21.12 -0.48 0.00	21.18 -0.47 0.00	21.79 -0.48 0.00	27.08 -0.60 0.00	24.61 -0.48 0.00	24.19 -0.47 0.00	24.03 -0.50 0.00	24.26 -0.51 0.00	20.48 -0.43 0.00	20.61 -0.38 0.00	20.49 -0.36 0.00



INDECK___YERKES 23781	18.56 -0.22 0.00	17.22 -0.11 0.00	16.93 -0.14 0.00	16.73 -0.20 0.00	17.79 -0.30 0.00	18.37 -0.31 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.31 0.00	21.88 0.35 0.00	21.04 0.08 0.00	21.81 0.20 0.00	21.68 0.02 0.00	22.36 0.09 0.00	27.52 -0.16 0.00	24.97 -0.12 0.00	24.55 -0.11 0.00	24.20 -0.33 0.00	24.38 -0.39 0.00	20.45 -0.46 0.00	20.45 -0.54 0.00	20.55 -0.30 0.00
INDIAN POINT_GT_1 24139	19.51 0.73 0.00	17.98 0.65 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.80 0.71 0.00	19.41 0.73 0.00	20.86 0.82 0.00	23.85 0.94 0.00	26.16 1.03 0.00	23.85 1.11 0.00	21.85 1.11 0.00	22.73 1.20 0.00	22.19 1.23 0.00	22.87 1.26 0.00	22.95 1.30 0.00	23.62 1.35 0.00	29.37 1.69 0.00	26.82 1.73 0.00	26.32 1.66 0.00	26.07 1.53 0.00	26.26 1.49 0.00	22.16 1.25 0.00	22.09 1.10 0.00	21.99 1.14 0.00
INDIAN POINT_GT_2 23659	19.51 0.73 0.00	17.98 0.65 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.80 0.71 0.00	19.41 0.73 0.00	20.86 0.82 0.00	23.85 0.94 0.00	26.16 1.03 0.00	23.85 1.11 0.00	21.85 1.11 0.00	22.73 1.20 0.00	22.19 1.23 0.00	22.87 1.26 0.00	22.95 1.30 0.00	23.62 1.35 0.00	29.37 1.69 0.00	26.82 1.73 0.00	26.32 1.66 0.00	26.07 1.53 0.00	26.26 1.49 0.00	22.16 1.25 0.00	22.09 1.10 0.00	21.99 1.14 0.00
INDIAN POINT_GT_3 24019	19.51 0.73 0.00	17.98 0.65 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.80 0.71 0.00	19.41 0.73 0.00	20.86 0.82 0.00	23.85 0.94 0.00	26.16 1.03 0.00	23.85 1.11 0.00	21.85 1.11 0.00	22.73 1.20 0.00	22.19 1.23 0.00	22.87 1.26 0.00	22.95 1.30 0.00	23.62 1.35 0.00	29.37 1.69 0.00	26.82 1.73 0.00	26.32 1.66 0.00	26.07 1.53 0.00	26.26 1.49 0.00	22.16 1.25 0.00	22.09 1.10 0.00	21.99 1.14 0.00
INDIAN POINT___2 23530	19.49 0.71 0.00	17.97 0.63 0.00	17.68 0.61 0.00	17.56 0.63 0.00	18.78 0.69 0.00	19.39 0.71 0.00	20.83 0.79 0.00	23.83 0.91 0.00	26.13 1.01 0.00	23.83 1.08 0.00	21.83 1.09 0.00	22.71 1.17 0.00	22.17 1.21 0.00	22.86 1.25 0.00	22.94 1.29 0.00	23.60 1.33 0.00	29.35 1.67 0.00	26.79 1.71 0.00	26.29 1.63 0.00	26.04 1.50 0.00	26.21 1.45 0.00	22.12 1.22 0.00	22.05 1.06 0.00	21.97 1.12 0.00
INDIAN POINT___3 23531	19.50 0.73 0.00	17.98 0.64 0.00	17.70 0.63 0.00	17.57 0.64 0.00	18.80 0.70 0.00	19.40 0.72 0.00	20.84 0.80 0.00	23.83 0.92 0.00	26.15 1.02 0.00	23.83 1.09 0.00	21.84 1.10 0.00	22.72 1.18 0.00	22.17 1.21 0.00	22.85 1.25 0.00	22.94 1.28 0.00	23.60 1.33 0.00	29.35 1.67 0.00	26.79 1.71 0.00	26.29 1.63 0.00	26.04 1.50 0.00	26.23 1.46 0.00	22.14 1.23 0.00	22.07 1.08 0.00	21.98 1.13 0.00
INGHAM_C_115KV_TB7 356103	18.66 -0.12 0.00	17.22 -0.11 0.00	16.97 -0.10 0.00	16.84 -0.09 0.00	18.03 -0.07 0.00	18.69 0.01 0.00	19.98 -0.06 0.00	22.80 -0.11 0.00	24.88 -0.25 0.00	22.52 -0.22 0.00	20.65 -0.09 0.00	21.40 -0.14 0.00	20.84 -0.12 0.00	21.39 -0.22 0.00	21.45 -0.20 0.00	22.08 -0.19 0.00	27.54 -0.14 0.00	25.19 0.10 0.00	24.78 0.12 0.00	24.80 0.26 0.00	25.10 0.33 0.00	21.21 0.30 0.00	21.07 0.08 0.00	20.97 0.13 0.00
IP CORINTH___1 23988	20.13 1.35 0.00	18.57 1.24 0.00	18.29 1.22 0.00	18.15 1.22 0.00	19.49 1.39 0.00	20.14 1.46 0.00	21.58 1.54 0.00	24.66 1.75 0.00	26.90 1.77 0.00	24.37 1.62 0.00	22.27 1.53 0.00	23.03 1.49 0.00	22.43 1.47 0.00	22.92 1.32 0.00	23.20 1.55 0.00	23.80 1.53 0.00	29.87 2.19 0.00	27.16 2.07 0.00	26.74 2.09 0.00	26.78 2.25 0.00	27.09 2.32 0.00	22.86 1.95 0.00	22.74 1.75 0.00	22.51 1.66 0.00
IP___TICONDEROGA 23804	21.18 2.40 0.00	19.52 2.19 0.00	19.24 2.17 0.00	19.10 2.17 0.00	20.53 2.44 0.00	21.23 2.54 0.00	22.68 2.65 0.00	25.95 3.04 0.00	28.04 2.91 0.00	25.43 2.69 0.00	23.31 2.58 0.00	24.19 2.66 0.00	23.61 2.65 0.00	24.00 2.39 0.00	24.24 2.58 0.00	24.92 2.66 0.00	31.22 3.54 0.00	28.31 3.22 0.00	27.98 3.32 0.00	28.19 3.66 0.00	28.57 3.80 0.00	24.15 3.25 0.00	23.98 2.99 0.00	23.70 2.86 0.00
ISLIP_RES_REC 323679	20.07 1.22 -0.07	18.99 1.19 -0.46	18.24 1.17 0.00	18.11 1.18 0.00	19.55 1.32 -0.13	20.44 1.34 -0.42	22.21 1.51 -0.66	24.51 1.60 0.00	26.89 1.76 0.00	25.13 1.79 -0.60	28.19 1.76 -5.70	30.00 1.74 -6.72	28.49 1.68 -5.86	26.50 1.71 -3.18	33.96 1.78 -10.52	26.35 1.93 -2.16	30.06 2.38 0.00	28.70 2.57 -1.04	73.66 2.52 -46.48	57.27 2.50 -30.23	65.41 2.46 -38.18	46.31 2.00 -23.41	27.27 1.86 -4.42	26.93 1.73 -4.35
JAMAICA__27_KV_LOAD 355505	19.72 0.94 0.00	18.21 0.88 0.00	17.92 0.85 0.00	17.81 0.88 0.00	19.05 0.96 0.00	19.65 0.97 0.00	21.10 1.07 0.00	24.15 1.24 0.00	26.51 1.38 0.00	24.16 1.42 0.00	22.09 1.35 0.00	22.98 1.45 0.00	22.45 1.49 0.00	23.16 1.55 0.00	23.26 1.61 0.00	23.94 1.67 0.00	29.72 2.04 0.00	27.17 2.09 0.00	26.63 1.97 0.00	26.37 1.84 0.00	26.56 1.80 0.00	22.42 1.51 0.00	22.39 1.39 0.00	22.26 1.41 0.00
JANIS___SOLAR 323808	19.47 0.69 0.00	17.95 0.62 0.00	17.66 0.59 0.00	17.51 0.58 0.00	18.72 0.62 0.00	19.44 0.75 0.00	21.00 0.97 0.00	23.99 1.08 0.00	26.28 1.15 0.00	23.72 0.98 0.00	21.60 0.86 0.00	22.18 0.65 0.00	21.60 0.63 0.00	22.25 0.65 0.00	22.36 0.70 0.00	23.07 0.80 0.00	28.85 1.17 0.00	26.17 1.08 0.00	25.81 1.16 0.00	25.70 1.16 0.00	25.98 1.21 0.00	21.90 0.99 0.00	21.91 0.92 0.00	21.73 0.88 0.00
JARVIS____ 23743	18.82 0.04 0.00	17.35 0.02 0.00	17.09 0.03 0.00	16.95 0.03 0.00	18.12 0.03 0.00	18.72 0.04 0.00	20.08 0.04 0.00	22.96 0.05 0.00	25.18 0.05 0.00	22.79 0.05 0.00	20.78 0.04 0.00	21.58 0.04 0.00	21.00 0.04 0.00	21.65 0.04 0.00	21.70 0.04 0.00	22.31 0.04 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.73 0.08 0.00	24.61 0.08 0.00	24.84 0.08 0.00	20.97 0.06 0.00	21.04 0.04 0.00	20.91 0.06 0.00
JENNISON___1 23625	19.52 0.73 0.00	17.98 0.65 0.00	17.70 0.63 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.47 0.79 0.00	21.03 0.99 0.00	24.04 1.13 0.00	26.38 1.25 0.00	23.90 1.16 0.00	21.87 1.14 0.00	22.67 1.14 0.00	22.03 1.07 0.00	22.73 1.12 0.00	22.79 1.14 0.00	23.51 1.24 0.00	29.24 1.57 0.00	26.62 1.53 0.00	26.16 1.50 0.00	25.96 1.42 0.00	26.22 1.45 0.00	22.08 1.18 0.00	22.08 1.09 0.00	21.92 1.07 0.00
JENNISON___2 23626	19.52 0.73 0.00	17.98 0.65 0.00	17.70 0.63 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.47 0.79 0.00	21.03 0.99 0.00	24.04 1.13 0.00	26.38 1.25 0.00	23.90 1.16 0.00	21.87 1.14 0.00	22.67 1.14 0.00	22.03 1.07 0.00	22.73 1.12 0.00	22.79 1.14 0.00	23.51 1.24 0.00	29.24 1.57 0.00	26.62 1.53 0.00	26.16 1.50 0.00	25.96 1.42 0.00	26.22 1.45 0.00	22.08 1.18 0.00	22.08 1.09 0.00	21.92 1.07 0.00



JERICO_RISE_WT_PWR 323719	19.33 0.55 0.00	17.82 0.48 0.00	17.54 0.47 0.00	17.39 0.47 0.00	18.58 0.49 0.00	19.14 0.46 0.00	20.43 0.40 0.00	23.54 0.63 0.00	25.84 0.71 0.00	23.38 0.63 0.00	21.29 0.55 0.00	22.00 0.46 0.00	21.39 0.43 0.00	22.08 0.48 0.00	22.09 0.43 0.00	22.68 0.41 0.00	28.17 0.49 0.00	25.41 0.32 0.00	25.06 0.40 0.00	25.11 0.57 0.00	25.41 0.64 0.00	21.37 0.47 0.00	21.43 0.44 0.00	21.11 0.27 0.00
KATONAH__115KV_46KV_TB4 355592	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.74 0.00	17.67 0.74 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.99 0.95 0.00	24.01 1.10 0.00	26.34 1.21 0.00	24.00 1.26 0.00	21.99 1.26 0.00	22.87 1.33 0.00	22.32 1.36 0.00	23.00 1.40 0.00	23.09 1.43 0.00	23.75 1.48 0.00	29.54 1.86 0.00	26.98 1.89 0.00	26.48 1.83 0.00	26.25 1.71 0.00	26.44 1.67 0.00	22.31 1.40 0.00	22.22 1.23 0.00	22.10 1.25 0.00
KCE_NY_1 323755	19.85 1.07 0.00	18.31 0.98 0.00	18.04 0.98 0.00	17.91 0.98 0.00	19.20 1.11 0.00	19.84 1.16 0.00	21.25 1.21 0.00	24.32 1.41 0.00	26.56 1.43 0.00	24.06 1.32 0.00	21.99 1.25 0.00	22.80 1.26 0.00	22.22 1.26 0.00	22.81 1.20 0.00	22.97 1.31 0.00	23.55 1.28 0.00	29.44 1.76 0.00	26.76 1.67 0.00	26.34 1.68 0.00	26.31 1.78 0.00	26.61 1.84 0.00	22.42 1.52 0.00	22.34 1.35 0.00	22.17 1.32 0.00
KCE_NY_6_ESR 323823	18.76 -0.02 0.00	17.38 0.05 0.00	17.09 0.02 0.00	16.90 -0.03 0.00	17.96 -0.13 0.00	18.56 -0.12 0.00	20.11 0.07 0.00	22.82 -0.09 0.00	25.37 0.24 0.00	23.25 0.51 0.00	21.26 0.52 0.00	22.02 0.48 0.00	21.19 0.23 0.00	21.97 0.36 0.00	21.84 0.18 0.00	22.53 0.26 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.72 0.05 0.00	24.37 -0.17 0.00	24.56 -0.20 0.00	20.61 -0.29 0.00	20.63 -0.36 0.00	20.68 -0.17 0.00
KEDC_PORT_JEFF_GT2 24210	19.99 1.13 -0.07	18.91 1.12 -0.46	18.16 1.09 0.00	18.03 1.10 0.00	19.46 1.24 -0.13	20.35 1.25 -0.42	22.09 1.39 -0.66	24.36 1.45 0.00	26.73 1.60 0.00	24.98 1.64 -0.60	28.05 1.61 -5.70	29.85 1.60 -6.72	28.36 1.55 -5.86	26.35 1.56 -3.18	33.81 1.63 -10.52	26.18 1.75 -2.16	29.78 2.10 0.00	28.43 2.30 -1.04	73.48 2.34 -46.48	57.08 2.32 -30.23	65.21 2.26 -38.18	46.12 1.81 -23.41	27.12 1.72 -4.42	26.82 1.63 -4.35
KEDC_PORT_JEFF_GT3 24211	19.99 1.13 -0.07	18.91 1.12 -0.46	18.16 1.09 0.00	18.03 1.10 0.00	19.46 1.24 -0.13	20.35 1.25 -0.42	22.09 1.39 -0.66	24.36 1.45 0.00	26.73 1.60 0.00	24.98 1.64 -0.60	28.05 1.61 -5.70	29.85 1.60 -6.72	28.36 1.55 -5.86	26.35 1.56 -3.18	33.81 1.63 -10.52	26.18 1.75 -2.16	29.78 2.10 0.00	28.43 2.30 -1.04	73.48 2.34 -46.48	57.08 2.32 -30.23	65.21 2.26 -38.18	46.12 1.81 -23.41	27.12 1.72 -4.42	26.82 1.63 -4.35
KEDC_GLWD_GT4 24219	19.87 1.02 -0.07	18.73 0.93 -0.46	17.98 0.91 0.00	17.85 0.92 0.00	19.23 1.00 -0.13	20.14 1.04 -0.42	21.84 1.14 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.82 1.47 -0.60	27.93 1.49 -5.70	29.80 1.55 -6.72	28.37 1.55 -5.86	26.39 1.60 -3.18	33.82 1.63 -10.52	26.12 1.70 -2.16	29.58 1.92 0.02	28.14 2.01 -1.04	72.90 2.08 -46.17	56.05 1.82 -29.69	64.67 1.77 -38.14	45.84 1.55 -23.38	26.85 1.44 -4.42	26.68 1.49 -4.35
KEDC_GLWD_GT5 24220	19.87 1.02 -0.07	18.73 0.93 -0.46	17.98 0.91 0.00	17.85 0.92 0.00	19.23 1.00 -0.13	20.14 1.04 -0.42	21.84 1.14 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.82 1.47 -0.60	27.93 1.49 -5.70	29.80 1.55 -6.72	28.37 1.55 -5.86	26.39 1.60 -3.18	33.82 1.63 -10.52	26.12 1.70 -2.16	29.58 1.92 0.02	28.14 2.01 -1.04	72.90 2.08 -46.17	56.05 1.82 -29.69	64.67 1.77 -38.14	45.84 1.55 -23.38	26.85 1.44 -4.42	26.68 1.49 -4.35
KENSICO____ 23655	19.57 0.79 0.00	18.04 0.70 0.00	17.75 0.69 0.00	17.63 0.70 0.00	18.86 0.76 0.00	19.46 0.78 0.00	20.90 0.87 0.00	23.91 1.00 0.00	26.23 1.11 0.00	23.92 1.18 0.00	21.92 1.19 0.00	22.80 1.26 0.00	22.25 1.29 0.00	22.94 1.33 0.00	23.02 1.36 0.00	23.68 1.41 0.00	29.44 1.77 0.00	26.89 1.81 0.00	26.38 1.73 0.00	26.14 1.60 0.00	26.32 1.55 0.00	22.21 1.31 0.00	22.14 1.15 0.00	22.04 1.19 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.53 0.75 0.00	17.96 0.63 0.00	17.68 0.62 0.00	17.55 0.62 0.00	18.77 0.67 0.00	19.40 0.72 0.00	20.87 0.83 0.00	23.86 0.96 0.00	26.12 0.99 0.00	23.74 1.00 0.00	21.75 1.02 0.00	22.66 1.12 0.00	22.05 1.09 0.00	22.71 1.10 0.00	22.77 1.11 0.00	23.50 1.23 0.00	29.24 1.56 0.00	26.66 1.57 0.00	26.25 1.59 0.00	26.02 1.49 0.00	26.21 1.45 0.00	22.12 1.21 0.00	22.14 1.15 0.00	22.05 1.20 0.00
KIAC_JFK_GT1 23816	19.62 0.84 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.72 0.79 0.00	18.96 0.87 0.00	19.55 0.87 0.00	21.00 0.96 0.00	24.03 1.12 0.00	26.38 1.25 0.00	24.04 1.30 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.33 1.37 0.00	23.05 1.44 0.00	23.14 1.48 0.00	23.81 1.55 0.00	29.56 1.88 0.00	27.02 1.93 0.00	26.48 1.83 0.00	26.23 1.69 0.00	26.41 1.64 0.00	22.29 1.38 0.00	22.26 1.27 0.00	22.13 1.29 0.00
KIAC_JFK_GT2 23817	19.62 0.84 0.00	18.11 0.78 0.00	17.83 0.76 0.00	17.72 0.79 0.00	18.96 0.87 0.00	19.55 0.87 0.00	21.00 0.96 0.00	24.03 1.12 0.00	26.38 1.25 0.00	24.04 1.30 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.33 1.37 0.00	23.05 1.44 0.00	23.14 1.48 0.00	23.81 1.55 0.00	29.56 1.88 0.00	27.02 1.93 0.00	26.48 1.83 0.00	26.23 1.69 0.00	26.41 1.64 0.00	22.29 1.38 0.00	22.26 1.27 0.00	22.13 1.29 0.00
KIAC_JFK____ 323774	19.61 0.83 0.00	18.11 0.78 0.00	17.82 0.75 0.00	17.72 0.80 0.00	18.96 0.87 0.00	19.56 0.87 0.00	21.00 0.96 0.00	24.03 1.12 0.00	26.38 1.25 0.00	24.04 1.29 0.00	21.97 1.24 0.00	22.86 1.32 0.00	22.32 1.36 0.00	23.05 1.44 0.00	23.14 1.49 0.00	23.81 1.54 0.00	29.56 1.88 0.00	27.02 1.93 0.00	26.48 1.83 0.00	26.22 1.69 0.00	26.41 1.64 0.00	22.29 1.38 0.00	22.25 1.25 0.00	22.13 1.29 0.00
KINTIGH____ 23543	18.47 -0.31 0.00	17.12 -0.21 0.00	16.84 -0.22 0.00	16.67 -0.26 0.00	17.72 -0.37 0.00	18.31 -0.37 0.00	19.80 -0.23 0.00	22.50 -0.41 0.00	24.94 -0.19 0.00	22.81 0.07 0.00	20.82 0.08 0.00	21.59 0.05 0.00	20.78 -0.18 0.00	21.53 -0.08 0.00	21.45 -0.21 0.00	22.13 -0.14 0.00	27.28 -0.40 0.00	24.76 -0.33 0.00	24.33 -0.33 0.00	24.02 -0.52 0.00	24.20 -0.57 0.00	20.32 -0.59 0.00	20.32 -0.67 0.00	20.43 -0.41 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.67 0.74 0.00	18.88 0.78 0.00	19.45 0.76 0.00	20.75 0.71 0.00	23.96 1.05 0.00	26.28 1.15 0.00	23.80 1.05 0.00	21.66 0.92 0.00	22.32 0.78 0.00	21.68 0.72 0.00	22.41 0.81 0.00	22.40 0.74 0.00	23.00 0.73 0.00	28.57 0.89 0.00	25.82 0.73 0.00	25.49 0.83 0.00	25.58 1.04 0.00	25.90 1.13 0.00	21.75 0.85 0.00	21.77 0.78 0.00	21.41 0.57 0.00



LACHUTE____HYDRO 323717	21.18 2.40 0.00	19.53 2.20 0.00	19.24 2.17 0.00	19.09 2.16 0.00	20.53 2.44 0.00	21.22 2.54 0.00	22.68 2.64 0.00	25.95 3.04 0.00	28.04 2.91 0.00	25.43 2.69 0.00	23.31 2.57 0.00	24.19 2.66 0.00	23.62 2.66 0.00	24.00 2.39 0.00	24.24 2.58 0.00	24.92 2.65 0.00	31.22 3.54 0.00	28.31 3.22 0.00	27.98 3.32 0.00	28.19 3.66 0.00	28.57 3.80 0.00	24.15 3.25 0.00	23.97 2.98 0.00	23.70 2.86 0.00
LAWRNCAV_115KV_TB1 80681	19.02 0.24 0.00	17.54 0.20 0.00	17.28 0.21 0.00	17.13 0.20 0.00	18.28 0.19 0.00	18.86 0.17 0.00	20.18 0.15 0.00	23.14 0.23 0.00	25.40 0.27 0.00	22.91 0.17 0.00	20.87 0.13 0.00	21.67 0.14 0.00	21.09 0.12 0.00	21.73 0.12 0.00	21.75 0.10 0.00	22.36 0.09 0.00	27.64 -0.04 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.42 -0.12 0.00	24.84 0.07 0.00	20.99 0.08 0.00	21.08 0.09 0.00	20.85 0.00 0.00
LEDERLE____ 23769	19.56 0.78 0.00	18.02 0.68 0.00	17.74 0.67 0.00	17.62 0.69 0.00	18.84 0.74 0.00	19.45 0.77 0.00	20.90 0.86 0.00	23.91 1.00 0.00	26.23 1.11 0.00	23.92 1.18 0.00	21.92 1.18 0.00	22.82 1.28 0.00	22.27 1.31 0.00	22.97 1.36 0.00	23.05 1.40 0.00	23.72 1.45 0.00	29.51 1.83 0.00	26.93 1.84 0.00	26.42 1.76 0.00	26.14 1.60 0.00	26.33 1.57 0.00	22.22 1.32 0.00	22.16 1.17 0.00	22.07 1.22 0.00
LIGHTHSE_115KV_TB6 355974	18.83 0.05 0.00	17.37 0.04 0.00	17.11 0.04 0.00	16.96 0.03 0.00	18.13 0.04 0.00	18.76 0.08 0.00	20.22 0.18 0.00	23.08 0.17 0.00	25.26 0.12 0.00	22.71 -0.03 0.00	20.60 -0.14 0.00	21.49 -0.04 0.00	20.83 -0.13 0.00	21.45 -0.15 0.00	21.49 -0.16 0.00	22.07 -0.20 0.00	27.45 -0.23 0.00	24.94 -0.14 0.00	24.53 -0.13 0.00	24.42 -0.11 0.00	24.72 -0.05 0.00	20.89 -0.02 0.00	20.95 -0.04 0.00	20.79 -0.06 0.00
LINDEN COGEN____ 23786	19.57 0.79 0.00	18.02 0.69 0.00	17.75 0.68 0.00	17.63 0.70 0.00	18.85 0.75 0.00	19.44 0.76 0.00	20.86 0.82 0.00	23.87 0.96 0.00	26.20 1.07 0.00	23.88 1.14 0.00	21.89 1.15 0.00	22.78 1.24 0.00	22.24 1.28 0.00	22.95 1.34 0.00	23.03 1.37 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.90 1.81 0.00	26.38 1.72 0.00	26.10 1.57 0.00	26.28 1.52 0.00	22.17 1.26 0.00	22.06 1.07 0.00	22.01 1.16 0.00
LINDHRST_69_KV_BK1 356055	20.12 1.27 -0.07	19.00 1.21 -0.46	18.22 1.15 0.00	18.08 1.15 0.00	19.51 1.28 -0.13	20.40 1.31 -0.42	22.16 1.46 -0.66	24.46 1.55 0.00	26.85 1.73 0.00	25.10 1.76 -0.60	28.17 1.73 -5.70	29.98 1.73 -6.72	28.52 1.71 -5.86	26.52 1.73 -3.18	33.97 1.79 -10.52	26.32 1.90 -2.16	30.01 2.35 0.02	28.63 2.51 -1.04	73.21 2.39 -46.16	56.59 2.37 -29.68	65.25 2.35 -38.14	46.24 1.95 -23.38	27.24 1.83 -4.42	26.99 1.79 -4.35
LIPA_MISC_IPP 23656	19.89 1.03 -0.07	18.84 1.04 -0.46	18.09 1.03 0.00	17.96 1.03 0.00	19.39 1.17 -0.13	20.25 1.15 -0.42	21.95 1.25 -0.66	24.17 1.25 0.00	26.52 1.39 0.00	24.77 1.43 -0.60	27.84 1.40 -5.70	29.64 1.39 -6.72	28.18 1.36 -5.86	26.13 1.34 -3.18	33.58 1.41 -10.52	25.97 1.54 -2.16	29.61 1.93 0.00	28.28 2.15 -1.04	73.27 2.13 -46.48	56.90 2.13 -30.23	65.05 2.10 -38.18	46.00 1.69 -23.41	26.97 1.55 -4.42	26.68 1.49 -4.35
LISF____SOLAR 323691	19.90 1.05 -0.07	18.84 1.04 -0.46	18.12 1.05 0.00	17.99 1.06 0.00	19.40 1.18 -0.13	20.28 1.18 -0.42	21.96 1.26 -0.66	24.17 1.26 0.00	26.52 1.39 0.00	24.76 1.42 -0.60	27.84 1.40 -5.70	29.64 1.38 -6.72	28.16 1.34 -5.86	26.11 1.32 -3.18	33.58 1.40 -10.52	25.97 1.54 -2.16	29.61 1.93 0.00	28.28 2.15 -1.04	73.29 2.15 -46.48	56.91 2.15 -30.23	65.07 2.12 -38.18	46.02 1.70 -23.41	26.96 1.55 -4.42	26.71 1.51 -4.35
LITTLE FALLS____HYD 24013	18.66 -0.12 0.00	17.22 -0.11 0.00	16.97 -0.10 0.00	16.84 -0.09 0.00	18.03 -0.07 0.00	18.69 0.01 0.00	19.98 -0.06 0.00	22.80 -0.11 0.00	24.88 -0.25 0.00	22.52 -0.22 0.00	20.65 -0.09 0.00	21.40 -0.14 0.00	20.84 -0.12 0.00	21.39 -0.22 0.00	21.45 -0.20 0.00	22.08 -0.19 0.00	27.54 -0.14 0.00	25.19 0.10 0.00	24.78 0.12 0.00	24.80 0.26 0.00	25.10 0.33 0.00	21.21 0.30 0.00	21.07 0.08 0.00	20.97 0.13 0.00
LITTLRIV_115KV_TB1 356100	19.19 0.41 0.00	17.69 0.35 0.00	17.43 0.36 0.00	17.27 0.34 0.00	18.44 0.35 0.00	19.04 0.35 0.00	20.39 0.35 0.00	23.37 0.46 0.00	25.63 0.50 0.00	23.13 0.39 0.00	21.07 0.34 0.00	21.87 0.34 0.00	21.28 0.32 0.00	21.93 0.32 0.00	21.93 0.27 0.00	22.54 0.27 0.00	27.88 0.20 0.00	25.03 -0.06 0.00	24.68 0.02 0.00	24.68 0.14 0.00	25.12 0.35 0.00	21.22 0.31 0.00	21.29 0.30 0.00	21.06 0.21 0.00
LI_NEWBRDGE____DRP 323616	19.84 0.98 -0.07	18.73 0.94 -0.46	17.96 0.89 0.00	17.83 0.90 0.00	19.23 1.00 -0.13	20.12 1.02 -0.42	21.82 1.12 -0.66	24.08 1.17 0.00	26.43 1.30 0.00	24.72 1.38 -0.60	27.83 1.39 -5.70	29.65 1.40 -6.72	28.21 1.39 -5.86	26.19 1.40 -3.18	33.63 1.45 -10.52	25.95 1.53 -2.16	29.57 1.88 -0.01	28.16 2.03 -1.04	73.19 1.95 -46.58	56.82 1.88 -30.40	64.81 1.84 -38.20	45.85 1.53 -23.42	26.83 1.43 -4.42	26.64 1.44 -4.35
LOCKPORT_115KV_TB60_63_64 80432	18.47 -0.31 0.00	17.13 -0.21 0.00	16.85 -0.22 0.00	16.65 -0.28 0.00	17.70 -0.40 0.00	18.28 -0.40 0.00	19.80 -0.24 0.00	22.42 -0.49 0.00	24.90 -0.22 0.00	22.83 0.09 0.00	20.85 0.11 0.00	21.63 0.09 0.00	20.80 -0.16 0.00	21.57 -0.04 0.00	21.44 -0.22 0.00	22.11 -0.16 0.00	27.21 -0.47 0.00	24.70 -0.39 0.00	24.28 -0.38 0.00	23.95 -0.58 0.00	24.12 -0.64 0.00	20.24 -0.67 0.00	20.20 -0.79 0.00	20.42 -0.43 0.00
LOCKPORT____CC1 323769	18.49 -0.29 0.00	17.14 -0.19 0.00	16.85 -0.21 0.00	16.66 -0.27 0.00	17.71 -0.38 0.00	18.28 -0.40 0.00	19.80 -0.24 0.00	22.43 -0.48 0.00	24.92 -0.21 0.00	22.85 0.11 0.00	20.86 0.13 0.00	21.63 0.09 0.00	20.82 -0.14 0.00	21.56 -0.04 0.00	21.44 -0.22 0.00	22.12 -0.15 0.00	27.23 -0.45 0.00	24.71 -0.38 0.00	24.29 -0.37 0.00	23.96 -0.57 0.00	24.14 -0.63 0.00	20.24 -0.66 0.00	20.28 -0.71 0.00	20.42 -0.42 0.00
LOCKPORT____CC2 323770	18.49 -0.29 0.00	17.14 -0.19 0.00	16.85 -0.21 0.00	16.66 -0.27 0.00	17.71 -0.38 0.00	18.28 -0.40 0.00	19.80 -0.24 0.00	22.43 -0.48 0.00	24.92 -0.21 0.00	22.85 0.11 0.00	20.86 0.13 0.00	21.63 0.09 0.00	20.82 -0.14 0.00	21.56 -0.04 0.00	21.44 -0.22 0.00	22.12 -0.15 0.00	27.23 -0.45 0.00	24.71 -0.38 0.00	24.29 -0.37 0.00	23.96 -0.57 0.00	24.14 -0.63 0.00	20.24 -0.66 0.00	20.28 -0.71 0.00	20.42 -0.42 0.00
LOCKPORT____CC3 323771	18.49 -0.29 0.00	17.14 -0.19 0.00	16.85 -0.21 0.00	16.66 -0.27 0.00	17.71 -0.38 0.00	18.28 -0.40 0.00	19.80 -0.24 0.00	22.43 -0.48 0.00	24.92 -0.21 0.00	22.85 0.11 0.00	20.86 0.13 0.00	21.63 0.09 0.00	20.82 -0.14 0.00	21.56 -0.04 0.00	21.44 -0.22 0.00	22.12 -0.15 0.00	27.23 -0.45 0.00	24.71 -0.38 0.00	24.29 -0.37 0.00	23.96 -0.57 0.00	24.14 -0.63 0.00	20.24 -0.66 0.00	20.28 -0.71 0.00	20.42 -0.42 0.00



LONG_LAKE_PHOENIX 24014	18.58 -0.20 0.00	17.15 -0.18 0.00	16.88 -0.18 0.00	16.74 -0.19 0.00	17.89 -0.20 0.00	18.50 -0.19 0.00	19.91 -0.12 0.00	22.75 -0.16 0.00	24.94 -0.19 0.00	22.52 -0.23 0.00	20.44 -0.29 0.00	21.25 -0.29 0.00	20.64 -0.32 0.00	21.28 -0.33 0.00	21.33 -0.32 0.00	21.95 -0.32 0.00	27.27 -0.41 0.00	24.78 -0.31 0.00	24.35 -0.31 0.00	24.19 -0.34 0.00	24.42 -0.34 0.00	20.62 -0.29 0.00	20.74 -0.25 0.00	20.64 -0.21 0.00
LOVETT___3 23632	19.48 0.69 0.00	17.94 0.61 0.00	17.67 0.60 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.81 0.78 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.81 1.07 0.00	21.81 1.07 0.00	22.70 1.16 0.00	22.15 1.19 0.00	22.85 1.24 0.00	22.93 1.27 0.00	23.59 1.32 0.00	29.34 1.66 0.00	26.78 1.69 0.00	26.28 1.62 0.00	26.01 1.47 0.00	26.19 1.42 0.00	22.11 1.20 0.00	22.05 1.05 0.00	21.96 1.11 0.00
LOVETT___4 23642	19.48 0.69 0.00	17.94 0.61 0.00	17.67 0.60 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.81 0.78 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.81 1.07 0.00	21.81 1.07 0.00	22.70 1.16 0.00	22.15 1.19 0.00	22.85 1.24 0.00	22.93 1.27 0.00	23.59 1.32 0.00	29.34 1.66 0.00	26.78 1.69 0.00	26.28 1.62 0.00	26.01 1.47 0.00	26.19 1.42 0.00	22.11 1.20 0.00	22.05 1.05 0.00	21.96 1.11 0.00
LOVETT___5 23593	19.48 0.69 0.00	17.94 0.61 0.00	17.67 0.60 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.81 0.78 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.81 1.07 0.00	21.81 1.07 0.00	22.70 1.16 0.00	22.15 1.19 0.00	22.85 1.24 0.00	22.93 1.27 0.00	23.59 1.32 0.00	29.34 1.66 0.00	26.78 1.69 0.00	26.28 1.62 0.00	26.01 1.47 0.00	26.19 1.42 0.00	22.11 1.20 0.00	22.05 1.05 0.00	21.96 1.11 0.00
LOWER_RAQUET___HYD 24057	19.07 0.28 0.00	17.58 0.25 0.00	17.32 0.25 0.00	17.16 0.23 0.00	18.32 0.22 0.00	18.90 0.22 0.00	20.23 0.20 0.00	23.21 0.30 0.00	25.47 0.34 0.00	22.96 0.22 0.00	20.90 0.17 0.00	21.72 0.18 0.00	21.14 0.17 0.00	21.77 0.16 0.00	21.79 0.14 0.00	22.39 0.12 0.00	27.66 -0.01 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.43 -0.11 0.00	24.89 0.12 0.00	21.04 0.13 0.00	21.12 0.13 0.00	20.88 0.03 0.00
LOWER___HUDSON 24059	19.51 0.73 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.91 0.82 0.00	19.50 0.82 0.00	20.81 0.77 0.00	23.83 0.92 0.00	26.02 0.90 0.00	23.61 0.86 0.00	21.56 0.83 0.00	22.38 0.84 0.00	21.82 0.86 0.00	22.43 0.82 0.00	22.55 0.89 0.00	23.07 0.79 0.00	28.78 1.11 0.00	26.21 1.12 0.00	25.79 1.13 0.00	25.79 1.25 0.00	26.05 1.28 0.00	22.00 1.09 0.00	21.90 0.91 0.00	21.76 0.92 0.00
LOWVILLE_115KV_TB2 356335	19.39 0.61 0.00	17.85 0.52 0.00	17.60 0.54 0.00	17.46 0.53 0.00	18.66 0.56 0.00	19.33 0.64 0.00	20.78 0.75 0.00	23.74 0.84 0.00	25.96 0.83 0.00	23.31 0.57 0.00	21.12 0.38 0.00	22.11 0.57 0.00	21.40 0.44 0.00	22.00 0.40 0.00	22.14 0.49 0.00	22.71 0.44 0.00	28.24 0.56 0.00	25.59 0.50 0.00	25.17 0.51 0.00	25.16 0.63 0.00	25.55 0.78 0.00	21.46 0.56 0.00	21.45 0.46 0.00	21.20 0.35 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	19.85 1.07 0.00	18.33 0.99 0.00	18.06 0.99 0.00	17.92 0.99 0.00	19.21 1.12 0.00	19.84 1.16 0.00	21.25 1.21 0.00	24.30 1.39 0.00	26.55 1.42 0.00	24.06 1.32 0.00	21.97 1.24 0.00	22.78 1.25 0.00	22.20 1.24 0.00	22.80 1.19 0.00	22.96 1.31 0.00	23.53 1.26 0.00	29.42 1.74 0.00	26.75 1.67 0.00	26.33 1.67 0.00	26.32 1.78 0.00	26.60 1.83 0.00	22.43 1.53 0.00	22.35 1.36 0.00	22.17 1.32 0.00
LUTHERNY_35_KV_BK2 355980	19.85 1.07 0.00	18.32 0.99 0.00	18.04 0.98 0.00	17.91 0.98 0.00	19.20 1.11 0.00	19.84 1.15 0.00	21.25 1.21 0.00	24.32 1.41 0.00	26.56 1.43 0.00	24.06 1.32 0.00	21.99 1.25 0.00	22.80 1.26 0.00	22.22 1.26 0.00	22.81 1.20 0.00	22.97 1.31 0.00	23.55 1.28 0.00	29.44 1.76 0.00	26.76 1.67 0.00	26.34 1.68 0.00	26.31 1.78 0.00	26.61 1.84 0.00	22.43 1.52 0.00	22.35 1.36 0.00	22.17 1.32 0.00
LWR___OSWEGATCHIE_HYD 23850	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.12 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.13 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.32 0.00	21.04 0.19 0.00
LYONS_FALL_HYD 23570	19.32 0.53 0.00	17.79 0.46 0.00	17.53 0.46 0.00	17.38 0.45 0.00	18.57 0.48 0.00	19.23 0.55 0.00	20.67 0.63 0.00	23.62 0.71 0.00	25.85 0.72 0.00	23.28 0.54 0.00	21.15 0.41 0.00	22.05 0.52 0.00	21.41 0.45 0.00	22.02 0.42 0.00	22.14 0.48 0.00	22.72 0.45 0.00	28.26 0.58 0.00	25.59 0.50 0.00	25.16 0.50 0.00	25.13 0.59 0.00	25.47 0.70 0.00	21.43 0.52 0.00	21.43 0.44 0.00	21.24 0.39 0.00
MADISON___COUNTY_LFGE 323628	19.23 0.45 0.00	17.72 0.38 0.00	17.45 0.38 0.00	17.31 0.38 0.00	18.48 0.39 0.00	19.15 0.47 0.00	20.59 0.56 0.00	23.53 0.62 0.00	25.80 0.67 0.00	23.31 0.56 0.00	21.23 0.49 0.00	22.02 0.48 0.00	21.44 0.48 0.00	22.07 0.46 0.00	22.16 0.50 0.00	22.77 0.50 0.00	28.33 0.65 0.00	25.63 0.54 0.00	25.22 0.56 0.00	25.11 0.58 0.00	25.41 0.64 0.00	21.42 0.51 0.00	21.45 0.46 0.00	21.32 0.47 0.00
MALONE___115KV_TB1 356076	19.45 0.67 0.00	17.93 0.59 0.00	17.64 0.58 0.00	17.50 0.56 0.00	18.68 0.59 0.00	19.26 0.58 0.00	20.59 0.56 0.00	23.73 0.82 0.00	26.05 0.92 0.00	23.57 0.82 0.00	21.48 0.74 0.00	22.21 0.68 0.00	21.60 0.64 0.00	22.27 0.67 0.00	22.28 0.63 0.00	22.87 0.61 0.00	28.36 0.68 0.00	25.56 0.47 0.00	25.21 0.55 0.00	25.25 0.71 0.00	25.58 0.81 0.00	21.54 0.63 0.00	21.59 0.60 0.00	21.28 0.43 0.00
MAPLEWOD_115KV_TB3 80458	19.47 0.69 0.00	17.99 0.66 0.00	17.73 0.67 0.00	17.60 0.67 0.00	18.84 0.75 0.00	19.44 0.75 0.00	20.77 0.74 0.00	23.78 0.87 0.00	26.00 0.87 0.00	23.58 0.84 0.00	21.54 0.80 0.00	22.36 0.82 0.00	21.78 0.82 0.00	22.43 0.83 0.00	22.56 0.90 0.00	23.07 0.80 0.00	28.81 1.13 0.00	26.24 1.15 0.00	25.78 1.12 0.00	25.74 1.21 0.00	26.00 1.23 0.00	21.95 1.05 0.00	21.87 0.88 0.00	21.73 0.88 0.00
MAPLE_RIDGE_WT_1 323574	18.68 -0.10 0.00	17.22 -0.11 0.00	16.98 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.56 -0.13 0.00	19.87 -0.17 0.00	22.75 -0.16 0.00	24.98 -0.15 0.00	22.58 -0.16 0.00	20.58 -0.15 0.00	21.36 -0.18 0.00	20.79 -0.17 0.00	21.43 -0.18 0.00	21.48 -0.18 0.00	22.09 -0.18 0.00	27.44 -0.24 0.00	24.79 -0.30 0.00	24.35 -0.31 0.00	24.29 -0.25 0.00	24.53 -0.23 0.00	20.63 -0.28 0.00	20.73 -0.26 0.00	20.49 -0.36 0.00



MAPLE RIDGE_WT_2 323611	18.68 -0.10 0.00	17.22 -0.11 0.00	16.98 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.56 -0.13 0.00	19.87 -0.17 0.00	22.75 -0.16 0.00	24.98 -0.15 0.00	22.58 -0.16 0.00	20.58 -0.15 0.00	21.36 -0.18 0.00	20.79 -0.17 0.00	21.43 -0.18 0.00	21.48 -0.18 0.00	22.09 -0.18 0.00	27.44 -0.24 0.00	24.79 -0.30 0.00	24.35 -0.31 0.00	24.29 -0.25 0.00	24.53 -0.23 0.00	20.63 -0.28 0.00	20.73 -0.26 0.00	20.49 -0.36 0.00
MARBLE RIVER_WT_PWR 323696	19.39 0.60 0.00	17.87 0.54 0.00	17.59 0.53 0.00	17.44 0.51 0.00	18.64 0.54 0.00	19.20 0.52 0.00	20.50 0.46 0.00	23.61 0.70 0.00	25.91 0.78 0.00	23.46 0.71 0.00	21.35 0.62 0.00	22.06 0.52 0.00	21.44 0.48 0.00	22.14 0.54 0.00	22.15 0.49 0.00	22.74 0.47 0.00	28.25 0.57 0.00	25.49 0.40 0.00	25.14 0.49 0.00	25.20 0.66 0.00	25.50 0.73 0.00	21.45 0.54 0.00	21.49 0.50 0.00	21.16 0.32 0.00
MARSHVLE_115KV_TB1 80742	20.20 1.42 0.00	18.60 1.27 0.00	18.30 1.23 0.00	18.13 1.20 0.00	19.39 1.29 0.00	20.05 1.36 0.00	21.71 1.67 0.00	24.91 2.00 0.00	27.34 2.22 0.00	24.76 2.02 0.00	22.41 1.67 0.00	23.17 1.63 0.00	22.50 1.54 0.00	23.16 1.56 0.00	23.16 1.51 0.00	24.07 1.80 0.00	29.91 2.24 0.00	26.96 1.87 0.00	26.52 1.86 0.00	26.33 1.80 0.00	26.59 1.82 0.00	22.44 1.53 0.00	22.57 1.57 0.00	22.37 1.53 0.00
MARSH_HILL_WT_PWR 323713	18.91 0.12 0.00	17.40 0.06 0.00	17.18 0.11 0.00	17.02 0.09 0.00	18.14 0.04 0.00	18.78 0.09 0.00	20.30 0.26 0.00	23.15 0.23 0.00	25.68 0.54 0.00	23.43 0.69 0.00	21.40 0.66 0.00	22.21 0.67 0.00	21.34 0.38 0.00	22.21 0.60 0.00	21.95 0.30 0.00	22.69 0.42 0.00	27.83 0.15 0.00	25.37 0.28 0.00	25.13 0.47 0.00	24.91 0.37 0.00	25.13 0.36 0.00	21.01 0.11 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
MCINTYRE_115KV_TB2 80467	19.21 0.43 0.00	17.70 0.37 0.00	17.44 0.37 0.00	17.29 0.36 0.00	18.46 0.36 0.00	19.05 0.37 0.00	20.42 0.38 0.00	23.39 0.48 0.00	25.65 0.52 0.00	23.18 0.44 0.00	21.11 0.38 0.00	21.89 0.36 0.00	21.29 0.33 0.00	21.96 0.35 0.00	21.95 0.29 0.00	22.57 0.30 0.00	27.96 0.28 0.00	25.13 0.04 0.00	24.80 0.14 0.00	24.80 0.26 0.00	25.21 0.44 0.00	21.28 0.38 0.00	21.35 0.36 0.00	21.09 0.25 0.00
MECO____69_KV_BK1 80468	20.68 1.90 0.00	18.99 1.66 0.00	18.72 1.66 0.00	18.57 1.64 0.00	19.82 1.73 0.00	20.58 1.90 0.00	22.10 2.07 0.00	25.27 2.36 0.00	27.65 2.52 0.00	24.99 2.25 0.00	22.55 1.82 0.00	23.02 1.48 0.00	22.54 1.58 0.00	22.98 1.38 0.00	23.22 1.56 0.00	24.37 2.10 0.00	30.09 2.41 0.00	27.12 2.03 0.00	26.88 2.22 0.00	26.91 2.37 0.00	27.24 2.47 0.00	22.98 2.08 0.00	23.00 2.00 0.00	23.03 2.18 0.00
MENANDS__115KV_TB5 355628	19.20 0.42 0.00	17.74 0.41 0.00	17.50 0.44 0.00	17.37 0.44 0.00	18.60 0.50 0.00	19.17 0.49 0.00	20.46 0.43 0.00	23.44 0.53 0.00	25.63 0.50 0.00	23.26 0.52 0.00	21.26 0.52 0.00	22.07 0.54 0.00	21.52 0.56 0.00	22.15 0.54 0.00	22.24 0.59 0.00	22.77 0.51 0.00	28.40 0.72 0.00	25.87 0.78 0.00	25.43 0.77 0.00	25.38 0.85 0.00	25.62 0.86 0.00	21.64 0.73 0.00	21.55 0.56 0.00	21.43 0.58 0.00
MG INDUSTRY__DRP 24185	19.29 0.51 0.00	17.83 0.50 0.00	17.58 0.51 0.00	17.45 0.52 0.00	18.67 0.58 0.00	19.27 0.59 0.00	20.59 0.56 0.00	23.55 0.64 0.00	25.77 0.64 0.00	23.36 0.62 0.00	21.32 0.59 0.00	22.10 0.56 0.00	21.54 0.58 0.00	22.21 0.61 0.00	22.29 0.64 0.00	22.85 0.58 0.00	28.47 0.79 0.00	25.94 0.85 0.00	25.49 0.83 0.00	25.43 0.89 0.00	25.68 0.91 0.00	21.68 0.78 0.00	21.62 0.62 0.00	21.50 0.65 0.00
MID__OSWEGATCHIE_HYD 23849	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.12 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.13 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.32 0.00	21.04 0.19 0.00
MID__RAQUETTE_HYD 23851	19.06 0.28 0.00	17.58 0.24 0.00	17.32 0.25 0.00	17.17 0.24 0.00	18.32 0.23 0.00	18.91 0.22 0.00	20.24 0.20 0.00	23.21 0.30 0.00	25.47 0.34 0.00	22.96 0.22 0.00	20.90 0.17 0.00	21.72 0.18 0.00	21.13 0.17 0.00	21.77 0.16 0.00	21.79 0.14 0.00	22.39 0.12 0.00	27.66 -0.01 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.43 -0.11 0.00	24.89 0.12 0.00	21.04 0.13 0.00	21.12 0.13 0.00	20.88 0.03 0.00
MILLIKEN__1 23584	19.07 0.29 0.00	17.58 0.25 0.00	17.30 0.23 0.00	17.16 0.23 0.00	18.33 0.24 0.00	19.00 0.31 0.00	20.49 0.45 0.00	23.41 0.50 0.00	25.70 0.57 0.00	23.24 0.49 0.00	21.17 0.43 0.00	21.91 0.37 0.00	21.28 0.33 0.00	21.98 0.37 0.00	22.00 0.35 0.00	22.67 0.40 0.00	28.21 0.53 0.00	25.61 0.53 0.00	25.22 0.56 0.00	25.04 0.50 0.00	25.28 0.51 0.00	21.31 0.41 0.00	21.35 0.36 0.00	21.22 0.38 0.00
MILLIKEN__2 23585	19.07 0.29 0.00	17.58 0.25 0.00	17.30 0.23 0.00	17.16 0.23 0.00	18.33 0.24 0.00	19.00 0.31 0.00	20.49 0.45 0.00	23.41 0.50 0.00	25.70 0.57 0.00	23.24 0.49 0.00	21.17 0.43 0.00	21.91 0.37 0.00	21.28 0.33 0.00	21.98 0.37 0.00	22.00 0.35 0.00	22.67 0.40 0.00	28.21 0.53 0.00	25.61 0.53 0.00	25.22 0.56 0.00	25.04 0.50 0.00	25.28 0.51 0.00	21.31 0.41 0.00	21.35 0.36 0.00	21.22 0.38 0.00
MILLIKEN__DIESEL 23629	19.07 0.29 0.00	17.58 0.25 0.00	17.30 0.23 0.00	17.16 0.23 0.00	18.33 0.24 0.00	19.00 0.31 0.00	20.49 0.45 0.00	23.41 0.50 0.00	25.70 0.57 0.00	23.24 0.49 0.00	21.17 0.43 0.00	21.91 0.37 0.00	21.28 0.33 0.00	21.98 0.37 0.00	22.00 0.35 0.00	22.67 0.40 0.00	28.21 0.53 0.00	25.61 0.53 0.00	25.22 0.56 0.00	25.04 0.50 0.00	25.28 0.51 0.00	21.31 0.41 0.00	21.35 0.36 0.00	21.22 0.38 0.00
MILLSEAT__LFGE 323607	18.78 0.00 0.00	17.40 0.06 0.00	17.10 0.03 0.00	16.90 -0.03 0.00	17.99 -0.10 0.00	18.59 -0.09 0.00	20.15 0.12 0.00	22.88 -0.03 0.00	25.36 0.23 0.00	23.19 0.45 0.00	21.19 0.45 0.00	22.04 0.50 0.00	21.24 0.28 0.00	21.96 0.35 0.00	21.81 0.15 0.00	22.44 0.17 0.00	27.68 0.00 0.00	25.16 0.07 0.00	24.71 0.05 0.00	24.45 -0.09 0.00	24.63 -0.14 0.00	20.67 -0.24 0.00	20.68 -0.31 0.00	20.78 -0.07 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.54 0.76 0.00	18.01 0.67 0.00	17.73 0.66 0.00	17.60 0.67 0.00	18.83 0.73 0.00	19.43 0.75 0.00	20.88 0.84 0.00	23.88 0.97 0.00	26.19 1.06 0.00	23.87 1.13 0.00	21.88 1.14 0.00	22.75 1.22 0.00	22.21 1.25 0.00	22.89 1.28 0.00	22.97 1.32 0.00	23.63 1.37 0.00	29.39 1.71 0.00	26.84 1.75 0.00	26.33 1.67 0.00	26.09 1.55 0.00	26.28 1.51 0.00	22.18 1.27 0.00	22.10 1.11 0.00	22.01 1.16 0.00



MILLWOOD_13_KV_LOAD 356217	19.58 0.80 0.00	18.05 0.71 0.00	17.76 0.70 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.48 0.79 0.00	20.92 0.89 0.00	23.93 1.02 0.00	26.26 1.13 0.00	23.93 1.19 0.00	21.93 1.19 0.00	22.81 1.27 0.00	22.26 1.30 0.00	22.95 1.35 0.00	23.03 1.38 0.00	23.70 1.43 0.00	29.47 1.79 0.00	26.92 1.83 0.00	26.41 1.75 0.00	26.17 1.63 0.00	26.35 1.58 0.00	22.23 1.33 0.00	22.16 1.17 0.00	22.06 1.21 0.00
MODEL_CITY_ENERGY 24167	18.30 -0.48 0.00	16.98 -0.36 0.00	16.69 -0.38 0.00	16.49 -0.44 0.00	17.53 -0.56 0.00	18.09 -0.59 0.00	19.59 -0.45 0.00	22.17 -0.74 0.00	24.63 -0.50 0.00	22.58 -0.16 0.00	20.62 -0.12 0.00	21.38 -0.16 0.00	20.57 -0.39 0.00	21.31 -0.29 0.00	21.19 -0.46 0.00	21.86 -0.41 0.00	26.90 -0.78 0.00	24.41 -0.67 0.00	23.99 -0.66 0.00	23.67 -0.86 0.00	23.84 -0.93 0.00	20.00 -0.91 0.00	20.04 -0.95 0.00	20.21 -0.64 0.00
MODERN_LFGE_ 323580	18.30 -0.48 0.00	16.98 -0.36 0.00	16.69 -0.38 0.00	16.49 -0.44 0.00	17.53 -0.56 0.00	18.09 -0.59 0.00	19.59 -0.45 0.00	22.17 -0.74 0.00	24.63 -0.50 0.00	22.58 -0.16 0.00	20.62 -0.12 0.00	21.38 -0.16 0.00	20.57 -0.39 0.00	21.31 -0.29 0.00	21.19 -0.46 0.00	21.86 -0.41 0.00	26.90 -0.78 0.00	24.41 -0.67 0.00	23.99 -0.66 0.00	23.67 -0.86 0.00	23.84 -0.93 0.00	20.00 -0.91 0.00	20.04 -0.95 0.00	20.21 -0.64 0.00
MOHAWK_PAPER___DRP 24187	19.47 0.69 0.00	17.99 0.66 0.00	17.73 0.67 0.00	17.60 0.67 0.00	18.84 0.75 0.00	19.44 0.75 0.00	20.77 0.74 0.00	23.78 0.87 0.00	26.00 0.87 0.00	23.58 0.84 0.00	21.54 0.80 0.00	22.36 0.82 0.00	21.78 0.82 0.00	22.43 0.83 0.00	22.56 0.90 0.00	23.07 0.80 0.00	28.81 1.13 0.00	26.24 1.15 0.00	25.78 1.12 0.00	25.74 1.21 0.00	26.00 1.23 0.00	21.95 1.05 0.00	21.87 0.88 0.00	21.73 0.88 0.00
MOHICAN__35_KV_115KV_LD 80490	20.17 1.39 0.00	18.61 1.28 0.00	18.33 1.26 0.00	18.20 1.27 0.00	19.54 1.45 0.00	20.20 1.51 0.00	21.63 1.59 0.00	24.72 1.81 0.00	26.94 1.81 0.00	24.39 1.65 0.00	22.30 1.56 0.00	23.08 1.55 0.00	22.49 1.53 0.00	23.01 1.40 0.00	23.26 1.60 0.00	23.84 1.58 0.00	29.88 2.20 0.00	27.18 2.09 0.00	26.77 2.12 0.00	26.84 2.30 0.00	27.15 2.39 0.00	22.92 2.01 0.00	22.79 1.80 0.00	22.56 1.71 0.00
MONGAUP___HYD 23641	19.53 0.75 0.00	17.98 0.65 0.00	17.70 0.63 0.00	17.56 0.63 0.00	18.77 0.68 0.00	19.40 0.72 0.00	20.80 0.77 0.00	23.78 0.87 0.00	26.04 0.91 0.00	23.64 0.89 0.00	21.59 0.86 0.00	22.47 0.93 0.00	21.89 0.93 0.00	22.55 0.94 0.00	22.60 0.94 0.00	23.25 0.98 0.00	28.91 1.23 0.00	26.47 1.39 0.00	26.02 1.36 0.00	25.92 1.38 0.00	26.14 1.37 0.00	22.07 1.16 0.00	22.10 1.11 0.00	22.05 1.20 0.00
MONTAUK___DIESEL 23721	20.53 1.67 -0.07	19.48 1.68 -0.46	18.70 1.64 0.00	18.58 1.65 0.00	20.08 1.85 -0.13	20.95 1.85 -0.42	22.78 2.07 -0.66	25.14 2.23 0.00	27.60 2.47 0.00	25.79 2.45 -0.60	28.79 2.35 -5.70	30.63 2.38 -6.72	29.10 2.29 -5.86	27.06 2.27 -3.18	34.52 2.34 -10.52	26.95 2.52 -2.16	30.91 3.23 0.00	29.49 3.36 -1.04	74.50 3.36 -46.48	58.11 3.35 -30.23	66.26 3.31 -38.18	46.99 2.68 -23.41	27.88 2.48 -4.42	27.49 2.29 -4.35
MOONROAD_115KV_HARTFLD_TB1-2 355988	19.38 0.60 0.00	17.88 0.55 0.00	17.59 0.53 0.00	17.42 0.49 0.00	18.52 0.42 0.00	19.22 0.54 0.00	20.84 0.80 0.00	23.61 0.70 0.00	26.13 1.00 0.00	23.95 1.20 0.00	21.90 1.17 0.00	22.64 1.10 0.00	21.84 0.88 0.00	22.67 1.07 0.00	22.35 0.70 0.00	23.10 0.83 0.00	28.59 0.91 0.00	26.00 0.92 0.00	25.36 0.70 0.00	24.86 0.32 0.00	24.97 0.20 0.00	20.92 0.01 0.00	20.76 -0.23 0.00	20.68 -0.16 0.00
MORTIMER_115KV_TB3 55949	18.72 -0.06 0.00	17.31 -0.02 0.00	17.03 -0.04 0.00	16.86 -0.07 0.00	17.96 -0.13 0.00	18.57 -0.11 0.00	20.08 0.04 0.00	22.89 -0.02 0.00	25.30 0.17 0.00	23.02 0.28 0.00	20.99 0.25 0.00	21.80 0.26 0.00	21.04 0.08 0.00	21.77 0.16 0.00	21.72 0.06 0.00	22.40 0.13 0.00	27.68 0.00 0.00	25.14 0.05 0.00	24.72 0.06 0.00	24.45 -0.08 0.00	24.65 -0.12 0.00	20.73 -0.18 0.00	20.75 -0.24 0.00	20.74 -0.10 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.67 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.20 1.21 0.00	22.10 1.25 0.00
MUNSVILLE_WIND_PWR 323609	19.98 1.20 0.00	18.40 1.06 0.00	18.11 1.04 0.00	17.96 1.03 0.00	19.20 1.11 0.00	19.99 1.31 0.00	21.61 1.57 0.00	24.71 1.80 0.00	27.09 1.97 0.00	24.50 1.76 0.00	22.37 1.64 0.00	22.98 1.44 0.00	22.40 1.44 0.00	23.02 1.41 0.00	23.15 1.50 0.00	23.90 1.63 0.00	29.83 2.15 0.00	27.14 2.06 0.00	26.70 2.04 0.00	26.54 2.00 0.00	26.85 2.08 0.00	22.60 1.69 0.00	22.57 1.57 0.00	22.39 1.55 0.00
N SALMON___HYD 24042	19.45 0.67 0.00	17.93 0.59 0.00	17.65 0.58 0.00	17.50 0.56 0.00	18.68 0.58 0.00	19.26 0.58 0.00	20.59 0.55 0.00	23.73 0.82 0.00	26.05 0.92 0.00	23.57 0.82 0.00	21.47 0.74 0.00	22.21 0.68 0.00	21.60 0.64 0.00	22.27 0.67 0.00	22.28 0.63 0.00	22.87 0.60 0.00	28.36 0.68 0.00	25.56 0.48 0.00	25.21 0.55 0.00	25.25 0.71 0.00	25.58 0.81 0.00	21.54 0.63 0.00	21.59 0.60 0.00	21.28 0.43 0.00
N.AKRON__115KV_KNAPP 355671	18.72 -0.07 0.00	17.34 0.00 0.00	17.05 -0.02 0.00	16.86 -0.07 0.00	17.92 -0.17 0.00	18.53 -0.15 0.00	20.08 0.04 0.00	22.77 -0.14 0.00	25.26 0.14 0.00	23.18 0.44 0.00	21.20 0.46 0.00	22.03 0.50 0.00	21.21 0.25 0.00	21.96 0.36 0.00	21.82 0.16 0.00	22.38 0.11 0.00	27.58 -0.10 0.00	25.06 -0.03 0.00	24.63 -0.03 0.00	24.32 -0.22 0.00	24.51 -0.26 0.00	20.56 -0.35 0.00	20.51 -0.48 0.00	20.69 -0.15 0.00
N.BELMOR_69_KV_BK1 55787	19.99 1.13 -0.07	18.86 1.06 -0.46	18.08 1.01 0.00	17.94 1.01 0.00	19.35 1.12 -0.13	20.25 1.15 -0.42	21.96 1.26 -0.66	24.25 1.34 0.00	26.62 1.50 0.00	24.91 1.57 -0.60	28.00 1.56 -5.70	29.83 1.58 -6.72	28.40 1.58 -5.86	26.38 1.59 -3.18	33.80 1.62 -10.52	26.12 1.70 -2.16	29.74 2.12 0.06	28.37 2.24 -1.04	72.37 2.11 -45.61	55.31 2.04 -28.73	64.83 2.01 -38.05	45.93 1.68 -23.34	27.03 1.62 -4.42	26.82 1.63 -4.35
N.E._GEN_SANDY PD 24062	19.44 0.66 0.00	17.96 0.62 0.00	17.70 0.63 0.00	17.57 0.65 0.00	18.82 0.73 0.00	19.40 0.72 0.00	20.74 0.70 0.00	24.16 0.80 -0.45	25.47 0.78 0.43	23.30 0.80 0.24	21.54 0.80 0.00	22.38 0.84 0.00	21.83 0.87 0.00	22.45 0.84 0.00	22.77 0.89 -0.23	23.08 0.81 0.00	29.44 1.10 -0.66	26.24 1.15 0.00	25.80 1.14 0.00	25.74 1.21 0.00	25.97 1.21 0.00	22.01 1.05 -0.06	21.85 0.84 -0.01	21.73 0.88 0.00



N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.50 0.73 0.00	17.97 0.63 0.00	17.69 0.62 0.00	17.56 0.63 0.00	18.78 0.69 0.00	19.39 0.71 0.00	20.84 0.80 0.00	23.83 0.92 0.00	26.15 1.02 0.00	23.84 1.09 0.00	21.85 1.11 0.00	22.74 1.20 0.00	22.19 1.23 0.00	22.89 1.28 0.00	22.97 1.31 0.00	23.63 1.36 0.00	29.40 1.72 0.00	26.83 1.74 0.00	26.32 1.66 0.00	26.06 1.52 0.00	26.24 1.47 0.00	22.15 1.24 0.00	22.08 1.09 0.00	22.00 1.15 0.00
N.QUEENS_27_KV_LOAD 356247	19.59 0.81 0.00	18.07 0.74 0.00	17.78 0.71 0.00	17.66 0.73 0.00	18.89 0.80 0.00	19.47 0.79 0.00	20.93 0.90 0.00	23.93 1.02 0.00	26.28 1.15 0.00	23.96 1.22 0.00	21.94 1.20 0.00	22.79 1.25 0.00	22.31 1.35 0.00	23.00 1.39 0.00	23.09 1.43 0.00	23.74 1.47 0.00	29.49 1.81 0.00	26.95 1.86 0.00	26.41 1.75 0.00	26.18 1.65 0.00	26.36 1.59 0.00	22.25 1.34 0.00	22.13 1.14 0.00	22.03 1.18 0.00
N.TROY___115KV_TB1 355778	19.52 0.74 0.00	18.04 0.71 0.00	17.78 0.71 0.00	17.65 0.72 0.00	18.91 0.82 0.00	19.50 0.82 0.00	20.81 0.78 0.00	23.83 0.92 0.00	26.03 0.90 0.00	23.60 0.86 0.00	21.56 0.83 0.00	22.38 0.84 0.00	21.82 0.86 0.00	22.42 0.82 0.00	22.54 0.89 0.00	23.07 0.79 0.00	28.78 1.11 0.00	26.21 1.12 0.00	25.79 1.13 0.00	25.79 1.25 0.00	26.05 1.28 0.00	22.00 1.09 0.00	21.91 0.92 0.00	21.76 0.92 0.00
NARROWS_GT1_1 24228	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_2 24229	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_3 24230	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_4 24231	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_5 24232	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_6 24233	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_7 24234	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT1_8 24235	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_1 24236	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_2 24237	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_3 24238	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_4 24239	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00



NARROWS_GT2_5 24240	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_6 24241	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_7 24242	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NARROWS_GT2_8 24243	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	19.52 0.74 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.92 0.82 0.00	19.52 0.84 0.00	20.88 0.85 0.00	23.93 1.02 0.00	26.17 1.04 0.00	23.70 0.95 0.00	21.59 0.85 0.00	22.25 0.71 0.00	21.72 0.76 0.00	22.48 0.87 0.00	22.54 0.89 0.00	23.00 0.73 0.00	28.75 1.08 0.00	26.37 1.28 0.00	25.90 1.25 0.00	25.84 1.30 0.00	26.17 1.40 0.00	22.10 1.19 0.00	21.96 0.97 0.00	21.80 0.95 0.00
NCHELSEA_115KV_TR2 355582	19.66 0.88 0.00	18.12 0.78 0.00	17.83 0.76 0.00	17.70 0.78 0.00	18.94 0.84 0.00	19.56 0.87 0.00	21.03 1.00 0.00	24.05 1.14 0.00	26.37 1.24 0.00	24.01 1.27 0.00	21.98 1.25 0.00	22.87 1.34 0.00	22.32 1.36 0.00	22.99 1.39 0.00	23.06 1.41 0.00	23.73 1.46 0.00	29.55 1.87 0.00	26.97 1.88 0.00	26.49 1.83 0.00	26.27 1.73 0.00	26.46 1.69 0.00	22.33 1.42 0.00	22.27 1.28 0.00	22.15 1.30 0.00
NEG CAPITAL___MECHNVIL 23645	19.83 1.05 0.00	18.30 0.97 0.00	18.04 0.97 0.00	17.91 0.98 0.00	19.20 1.10 0.00	19.82 1.14 0.00	21.22 1.18 0.00	24.27 1.36 0.00	26.52 1.39 0.00	24.03 1.29 0.00	21.95 1.21 0.00	22.76 1.23 0.00	22.18 1.22 0.00	22.80 1.19 0.00	22.96 1.30 0.00	23.52 1.25 0.00	29.39 1.72 0.00	26.76 1.67 0.00	26.31 1.66 0.00	26.30 1.77 0.00	26.58 1.81 0.00	22.42 1.51 0.00	22.32 1.33 0.00	22.15 1.31 0.00
NEG CENTRAL_HIGH_ACRES 23767	18.37 -0.41 0.00	16.97 -0.37 0.00	16.69 -0.38 0.00	16.53 -0.40 0.00	17.63 -0.46 0.00	18.24 -0.45 0.00	19.72 -0.32 0.00	22.50 -0.41 0.00	24.83 -0.30 0.00	22.55 -0.20 0.00	20.55 -0.19 0.00	21.33 -0.20 0.00	20.62 -0.34 0.00	21.33 -0.28 0.00	21.30 -0.36 0.00	21.96 -0.31 0.00	27.18 -0.50 0.00	24.69 -0.39 0.00	24.28 -0.37 0.00	24.05 -0.48 0.00	24.24 -0.53 0.00	20.39 -0.51 0.00	20.45 -0.55 0.00	20.39 -0.46 0.00
NEG CENTRAL___DRP 24199	18.81 0.03 0.00	17.35 0.01 0.00	17.07 0.00 0.00	16.92 -0.01 0.00	18.07 -0.03 0.00	18.72 0.04 0.00	20.22 0.18 0.00	23.12 0.21 0.00	25.45 0.32 0.00	23.03 0.29 0.00	20.99 0.26 0.00	21.78 0.25 0.00	21.09 0.12 0.00	21.83 0.22 0.00	21.81 0.16 0.00	22.48 0.21 0.00	27.84 0.16 0.00	25.32 0.23 0.00	24.91 0.26 0.00	24.70 0.16 0.00	24.93 0.16 0.00	20.99 0.08 0.00	21.03 0.04 0.00	20.91 0.06 0.00
NEG CENTRAL___INDECK 23768	19.27 0.49 0.00	17.77 0.44 0.00	17.49 0.43 0.00	17.31 0.38 0.00	18.47 0.37 0.00	19.11 0.43 0.00	20.71 0.67 0.00	23.62 0.71 0.00	26.02 0.89 0.00	23.48 0.74 0.00	21.42 0.68 0.00	22.30 0.76 0.00	21.43 0.46 0.00	22.26 0.65 0.00	22.13 0.48 0.00	22.87 0.60 0.00	28.20 0.52 0.00	25.74 0.65 0.00	25.40 0.74 0.00	25.15 0.61 0.00	25.54 0.77 0.00	21.45 0.55 0.00	21.43 0.44 0.00	21.30 0.46 0.00
NEG CENTRAL___SENECA 23627	18.86 0.08 0.00	17.39 0.05 0.00	17.12 0.05 0.00	16.97 0.04 0.00	18.09 0.00 0.00	18.77 0.09 0.00	20.28 0.25 0.00	23.18 0.27 0.00	25.55 0.42 0.00	23.16 0.42 0.00	21.13 0.39 0.00	21.92 0.38 0.00	21.19 0.22 0.00	21.98 0.37 0.00	21.93 0.27 0.00	22.60 0.33 0.00	27.95 0.27 0.00	25.46 0.38 0.00	25.05 0.39 0.00	24.81 0.27 0.00	25.05 0.28 0.00	21.06 0.16 0.00	21.07 0.07 0.00	20.99 0.14 0.00
NEG CENTRAL___STATE_STREET 24147	18.89 0.11 0.00	17.46 0.13 0.00	17.16 0.09 0.00	17.01 0.09 0.00	18.22 0.12 0.00	18.83 0.15 0.00	20.41 0.38 0.00	23.35 0.45 0.00	25.65 0.52 0.00	23.18 0.44 0.00	21.09 0.35 0.00	21.87 0.34 0.00	21.23 0.27 0.00	21.95 0.34 0.00	21.97 0.31 0.00	22.61 0.34 0.00	28.07 0.38 0.00	25.50 0.41 0.00	25.08 0.42 0.00	24.89 0.35 0.00	25.13 0.36 0.00	21.19 0.28 0.00	21.25 0.25 0.00	20.99 0.14 0.00
NEG MILLWOOD___DRP 24198	19.70 0.92 0.00	18.15 0.82 0.00	17.87 0.80 0.00	17.74 0.81 0.00	18.98 0.88 0.00	19.60 0.92 0.00	21.08 1.04 0.00	24.12 1.21 0.00	26.44 1.31 0.00	24.09 1.34 0.00	22.06 1.32 0.00	22.95 1.41 0.00	22.40 1.43 0.00	23.06 1.46 0.00	23.14 1.49 0.00	23.81 1.54 0.00	29.64 1.96 0.00	27.06 1.98 0.00	26.57 1.91 0.00	26.35 1.81 0.00	26.54 1.77 0.00	22.39 1.48 0.00	22.31 1.31 0.00	22.19 1.34 0.00
NEG NORTH_FLCN_SEA 23793	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.65 0.72 0.00	18.86 0.76 0.00	19.42 0.73 0.00	20.70 0.67 0.00	23.90 0.99 0.00	26.22 1.09 0.00	23.75 1.01 0.00	21.62 0.88 0.00	22.29 0.76 0.00	21.67 0.71 0.00	22.38 0.78 0.00	22.38 0.72 0.00	22.96 0.69 0.00	28.55 0.86 0.00	25.77 0.69 0.00	25.44 0.78 0.00	25.53 0.99 0.00	25.85 1.08 0.00	21.70 0.79 0.00	21.72 0.73 0.00	21.36 0.51 0.00
NEG NORTH_KES_CHATEGAY 23792	19.38 0.60 0.00	17.87 0.53 0.00	17.59 0.52 0.00	17.44 0.50 0.00	18.63 0.54 0.00	19.19 0.50 0.00	20.48 0.44 0.00	23.60 0.69 0.00	25.90 0.77 0.00	23.43 0.69 0.00	21.34 0.60 0.00	22.04 0.51 0.00	21.43 0.47 0.00	22.13 0.52 0.00	22.13 0.47 0.00	22.72 0.45 0.00	28.21 0.53 0.00	25.46 0.37 0.00	25.11 0.45 0.00	25.19 0.65 0.00	25.49 0.72 0.00	21.44 0.53 0.00	21.49 0.49 0.00	21.17 0.32 0.00



NEG NORTH___ALICE_FALLS 23915	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.67 0.74 0.00	18.88 0.78 0.00	19.45 0.76 0.00	20.75 0.71 0.00	23.96 1.05 0.00	26.28 1.15 0.00	23.80 1.05 0.00	21.66 0.92 0.00	22.32 0.78 0.00	21.68 0.72 0.00	22.41 0.81 0.00	22.40 0.74 0.00	23.00 0.73 0.00	28.57 0.89 0.00	25.82 0.73 0.00	25.49 0.83 0.00	25.58 1.04 0.00	25.90 1.13 0.00	21.75 0.85 0.00	21.77 0.78 0.00	21.41 0.57 0.00
NEG NORTH___LWR_SARANAC 23913	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.67 0.74 0.00	18.88 0.78 0.00	19.45 0.76 0.00	20.75 0.71 0.00	23.96 1.05 0.00	26.28 1.15 0.00	23.80 1.05 0.00	21.66 0.92 0.00	22.32 0.78 0.00	21.68 0.72 0.00	22.41 0.81 0.00	22.40 0.74 0.00	23.00 0.73 0.00	28.57 0.89 0.00	25.82 0.73 0.00	25.49 0.83 0.00	25.58 1.04 0.00	25.90 1.13 0.00	21.75 0.85 0.00	21.77 0.78 0.00	21.41 0.57 0.00
NEG NORTH___PLATTSBURG 23628	19.65 0.87 0.00	18.10 0.76 0.00	17.82 0.75 0.00	17.67 0.74 0.00	18.88 0.78 0.00	19.45 0.77 0.00	20.75 0.72 0.00	23.96 1.05 0.00	26.28 1.15 0.00	23.79 1.05 0.00	21.65 0.92 0.00	22.32 0.78 0.00	21.68 0.72 0.00	22.41 0.81 0.00	22.40 0.74 0.00	23.00 0.73 0.00	28.57 0.89 0.00	25.82 0.73 0.00	25.49 0.83 0.00	25.58 1.04 0.00	25.90 1.13 0.00	21.75 0.85 0.00	21.77 0.78 0.00	21.41 0.57 0.00
NEG WEST_LEA_LOCKPORT 23791	18.48 -0.30 0.00	17.13 -0.20 0.00	16.85 -0.21 0.00	16.67 -0.27 0.00	17.70 -0.39 0.00	18.29 -0.39 0.00	19.80 -0.24 0.00	22.44 -0.48 0.00	24.92 -0.21 0.00	22.85 0.11 0.00	20.86 0.13 0.00	21.63 0.09 0.00	20.81 -0.15 0.00	21.57 -0.04 0.00	21.44 -0.21 0.00	22.12 -0.15 0.00	27.23 -0.45 0.00	24.71 -0.38 0.00	24.29 -0.37 0.00	23.96 -0.58 0.00	24.13 -0.63 0.00	20.24 -0.67 0.00	20.21 -0.78 0.00	20.42 -0.43 0.00
NEG WEST___LANCASTR 23811	18.74 -0.04 0.00	17.34 0.01 0.00	17.07 0.00 0.00	16.89 -0.04 0.00	17.96 -0.14 0.00	18.59 -0.09 0.00	20.12 0.08 0.00	22.86 -0.05 0.00	25.37 0.24 0.00	23.23 0.49 0.00	21.26 0.52 0.00	22.03 0.49 0.00	21.17 0.20 0.00	21.98 0.37 0.00	21.86 0.20 0.00	22.56 0.29 0.00	27.80 0.12 0.00	25.24 0.15 0.00	24.77 0.11 0.00	24.43 -0.11 0.00	24.62 -0.15 0.00	20.65 -0.25 0.00	20.65 -0.34 0.00	20.73 -0.12 0.00
NEG_PENN_ALLEGHNY 23528	18.97 0.18 0.00	17.48 0.14 0.00	17.20 0.14 0.00	17.07 0.14 0.00	18.22 0.12 0.00	18.88 0.19 0.00	20.35 0.32 0.00	23.28 0.37 0.00	25.60 0.47 0.00	23.24 0.50 0.00	21.25 0.52 0.00	22.06 0.52 0.00	21.38 0.42 0.00	22.13 0.53 0.00	22.11 0.46 0.00	22.78 0.51 0.00	28.25 0.57 0.00	25.72 0.63 0.00	25.24 0.58 0.00	25.00 0.46 0.00	25.23 0.46 0.00	21.25 0.34 0.00	21.29 0.30 0.00	21.16 0.31 0.00
NEG___GEN_MONROE 24207	18.89 0.11 0.00	17.44 0.11 0.00	17.20 0.13 0.00	17.01 0.08 0.00	18.07 -0.03 0.00	18.71 0.03 0.00	20.23 0.19 0.00	23.03 0.12 0.00	25.42 0.29 0.00	23.12 0.38 0.00	21.08 0.34 0.00	21.88 0.34 0.00	21.13 0.17 0.00	21.83 0.22 0.00	21.75 0.09 0.00	22.40 0.14 0.00	27.70 0.02 0.00	25.19 0.10 0.00	24.76 0.10 0.00	24.51 -0.03 0.00	24.72 -0.05 0.00	20.81 -0.10 0.00	20.82 -0.17 0.00	20.87 0.02 0.00
NEPA___ENERGY 23901	18.98 0.20 0.00	17.50 0.17 0.00	17.22 0.15 0.00	17.07 0.14 0.00	18.16 0.06 0.00	18.86 0.17 0.00	20.45 0.41 0.00	23.10 0.19 0.00	25.48 0.35 0.00	23.34 0.59 0.00	21.46 0.72 0.00	22.25 0.71 0.00	21.40 0.43 0.00	22.32 0.71 0.00	22.13 0.48 0.00	22.81 0.54 0.00	28.17 0.49 0.00	25.65 0.57 0.00	25.09 0.43 0.00	24.65 0.12 0.00	24.85 0.08 0.00	20.86 -0.05 0.00	20.80 -0.19 0.00	20.76 -0.08 0.00
NEVERSINK___HYD 23608	19.17 0.39 0.00	17.65 0.31 0.00	17.36 0.29 0.00	17.24 0.31 0.00	18.43 0.34 0.00	19.07 0.38 0.00	20.53 0.50 0.00	23.49 0.58 0.00	25.74 0.61 0.00	23.39 0.65 0.00	21.39 0.66 0.00	22.26 0.73 0.00	21.67 0.71 0.00	22.34 0.73 0.00	22.39 0.73 0.00	23.11 0.84 0.00	28.74 1.06 0.00	26.25 1.17 0.00	25.82 1.16 0.00	25.60 1.07 0.00	25.81 1.04 0.00	21.77 0.86 0.00	21.77 0.78 0.00	21.63 0.78 0.00
NEWKRMKL_115KV_TB1 55635	19.11 0.33 0.00	17.66 0.32 0.00	17.41 0.34 0.00	17.28 0.35 0.00	18.49 0.40 0.00	19.08 0.40 0.00	20.37 0.34 0.00	23.32 0.41 0.00	25.52 0.40 0.00	23.15 0.41 0.00	21.16 0.42 0.00	21.97 0.43 0.00	21.43 0.47 0.00	22.06 0.45 0.00	22.15 0.49 0.00	22.69 0.42 0.00	28.29 0.61 0.00	25.77 0.68 0.00	25.32 0.66 0.00	25.26 0.72 0.00	25.50 0.73 0.00	21.53 0.62 0.00	21.45 0.45 0.00	21.35 0.50 0.00
NEWTON___FALLS_HYD 23847	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.12 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.13 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.32 0.00	21.04 0.19 0.00
NGRID_A1_DSASP 323792	18.24 -0.55 0.00	16.93 -0.40 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.60 0.00	18.04 -0.64 0.00	19.53 -0.50 0.00	22.10 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.32 -0.22 0.00	20.51 -0.45 0.00	21.25 -0.36 0.00	21.14 -0.51 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.61 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.97 0.00	19.93 -1.06 0.00	20.05 -0.80 0.00
NGRID_A2_DSASP 323793	18.24 -0.55 0.00	16.93 -0.40 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.60 0.00	18.04 -0.64 0.00	19.53 -0.50 0.00	22.10 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.32 -0.22 0.00	20.51 -0.45 0.00	21.25 -0.36 0.00	21.14 -0.51 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.61 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.97 0.00	19.93 -1.06 0.00	20.05 -0.80 0.00
NGRID_A4_DSASP 323807	18.23 -0.55 0.00	16.92 -0.41 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.61 0.00	18.05 -0.64 0.00	19.53 -0.50 0.00	22.11 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.21 0.00	20.57 -0.16 0.00	21.32 -0.21 0.00	20.51 -0.45 0.00	21.26 -0.35 0.00	21.15 -0.50 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.60 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.98 0.00	19.86 -1.13 0.00	20.04 -0.80 0.00
NIAGARA_115E_LBMP 323715	18.20 -0.58 0.00	16.89 -0.44 0.00	16.60 -0.47 0.00	16.41 -0.52 0.00	17.44 -0.65 0.00	18.00 -0.69 0.00	19.49 -0.55 0.00	22.04 -0.87 0.00	24.48 -0.65 0.00	22.45 -0.29 0.00	20.50 -0.24 0.00	21.24 -0.29 0.00	20.44 -0.52 0.00	21.18 -0.42 0.00	21.07 -0.59 0.00	21.74 -0.53 0.00	26.74 -0.94 0.00	24.26 -0.83 0.00	23.84 -0.81 0.00	23.52 -1.01 0.00	23.68 -1.09 0.00	19.87 -1.04 0.00	19.91 -1.08 0.00	20.10 -0.75 0.00



NIAGARA_115W_LBMP 323714	18.20 -0.58 0.00	16.90 -0.43 0.00	16.62 -0.45 0.00	16.43 -0.50 0.00	17.46 -0.63 0.00	18.00 -0.68 0.00	19.50 -0.54 0.00	22.06 -0.85 0.00	24.51 -0.62 0.00	22.49 -0.26 0.00	20.52 -0.21 0.00	21.27 -0.26 0.00	20.47 -0.49 0.00	21.21 -0.40 0.00	21.10 -0.56 0.00	21.77 -0.50 0.00	26.78 -0.90 0.00	24.29 -0.79 0.00	23.88 -0.78 0.00	23.56 -0.98 0.00	23.71 -1.06 0.00	19.89 -1.02 0.00	19.88 -1.11 0.00	20.00 -0.85 0.00
NIAGARA_230_LBMP 323716	18.35 -0.44 0.00	17.02 -0.32 0.00	16.73 -0.34 0.00	16.54 -0.39 0.00	17.59 -0.51 0.00	18.14 -0.54 0.00	19.63 -0.40 0.00	22.26 -0.65 0.00	24.71 -0.41 0.00	22.66 -0.08 0.00	20.67 -0.06 0.00	21.43 -0.10 0.00	20.62 -0.34 0.00	21.36 -0.25 0.00	21.25 -0.40 0.00	21.93 -0.34 0.00	27.01 -0.67 0.00	24.50 -0.59 0.00	24.07 -0.58 0.00	23.76 -0.78 0.00	23.92 -0.85 0.00	20.06 -0.84 0.00	20.12 -0.87 0.00	20.25 -0.60 0.00
NIAGARA__115KV_198_GIBSON 55903	18.19 -0.59 0.00	16.89 -0.44 0.00	16.62 -0.45 0.00	16.43 -0.50 0.00	17.45 -0.64 0.00	18.01 -0.67 0.00	19.49 -0.54 0.00	22.06 -0.85 0.00	24.51 -0.62 0.00	22.49 -0.26 0.00	20.52 -0.21 0.00	21.27 -0.26 0.00	20.46 -0.50 0.00	21.21 -0.39 0.00	21.10 -0.55 0.00	21.77 -0.50 0.00	26.79 -0.89 0.00	24.29 -0.79 0.00	23.88 -0.78 0.00	23.55 -0.98 0.00	23.71 -1.06 0.00	19.88 -1.02 0.00	19.82 -1.17 0.00	19.99 -0.86 0.00
NIAGARA____ 23760	18.25 -0.53 0.00	16.94 -0.40 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.50 -0.59 0.00	18.05 -0.63 0.00	19.54 -0.49 0.00	22.15 -0.76 0.00	24.60 -0.53 0.00	22.56 -0.18 0.00	20.59 -0.14 0.00	21.34 -0.19 0.00	20.54 -0.42 0.00	21.28 -0.32 0.00	21.17 -0.48 0.00	21.84 -0.42 0.00	26.89 -0.79 0.00	24.39 -0.69 0.00	23.97 -0.69 0.00	23.65 -0.88 0.00	23.81 -0.96 0.00	19.97 -0.93 0.00	20.00 -0.99 0.00	20.11 -0.73 0.00
NINE_MILE_1 23575	18.34 -0.44 0.00	16.94 -0.40 0.00	16.66 -0.40 0.00	16.53 -0.40 0.00	17.66 -0.44 0.00	18.25 -0.44 0.00	19.62 -0.42 0.00	22.42 -0.49 0.00	24.59 -0.54 0.00	22.21 -0.54 0.00	20.16 -0.57 0.00	20.94 -0.59 0.00	20.35 -0.61 0.00	20.98 -0.62 0.00	21.02 -0.64 0.00	21.64 -0.63 0.00	26.88 -0.80 0.00	24.39 -0.69 0.00	23.97 -0.69 0.00	23.83 -0.71 0.00	24.04 -0.72 0.00	20.29 -0.62 0.00	20.44 -0.55 0.00	20.33 -0.51 0.00
NINE_MILE_2 23744	18.35 -0.43 0.00	16.94 -0.40 0.00	16.67 -0.40 0.00	16.53 -0.40 0.00	17.66 -0.44 0.00	18.25 -0.43 0.00	19.62 -0.42 0.00	22.43 -0.49 0.00	24.60 -0.53 0.00	22.21 -0.53 0.00	20.16 -0.57 0.00	20.94 -0.59 0.00	20.35 -0.61 0.00	20.98 -0.62 0.00	21.02 -0.64 0.00	21.64 -0.63 0.00	26.88 -0.80 0.00	24.39 -0.69 0.00	23.97 -0.69 0.00	23.83 -0.71 0.00	24.05 -0.72 0.00	20.30 -0.61 0.00	20.44 -0.55 0.00	20.34 -0.51 0.00
NM_CAPITAL____DRP 24208	19.16 0.38 0.00	17.71 0.37 0.00	17.46 0.39 0.00	17.33 0.40 0.00	18.56 0.46 0.00	19.13 0.44 0.00	20.41 0.38 0.00	23.38 0.47 0.00	25.58 0.45 0.00	23.21 0.47 0.00	21.21 0.47 0.00	22.02 0.48 0.00	21.48 0.51 0.00	22.10 0.49 0.00	22.20 0.54 0.00	22.73 0.46 0.00	28.33 0.65 0.00	25.81 0.72 0.00	25.37 0.71 0.00	25.32 0.79 0.00	25.56 0.79 0.00	21.58 0.68 0.00	21.50 0.51 0.00	21.39 0.54 0.00
NM_CENTRAL____DRP 24181	18.67 -0.10 0.00	17.23 -0.10 0.00	16.95 -0.11 0.00	16.82 -0.11 0.00	17.97 -0.12 0.00	18.58 -0.10 0.00	20.01 -0.02 0.00	22.87 -0.04 0.00	25.12 -0.01 0.00	22.69 -0.05 0.00	20.63 -0.10 0.00	21.43 -0.11 0.00	20.83 -0.13 0.00	21.48 -0.12 0.00	21.51 -0.15 0.00	22.14 -0.13 0.00	27.49 -0.19 0.00	24.95 -0.14 0.00	24.53 -0.13 0.00	24.35 -0.18 0.00	24.57 -0.20 0.00	20.73 -0.18 0.00	20.83 -0.17 0.00	20.72 -0.13 0.00
NM_FRONTIER____DRP 24179	18.19 -0.59 0.00	16.89 -0.44 0.00	16.62 -0.45 0.00	16.43 -0.50 0.00	17.45 -0.64 0.00	18.01 -0.67 0.00	19.49 -0.54 0.00	22.06 -0.85 0.00	24.51 -0.62 0.00	22.49 -0.26 0.00	20.52 -0.21 0.00	21.27 -0.26 0.00	20.46 -0.50 0.00	21.21 -0.39 0.00	21.10 -0.55 0.00	21.77 -0.50 0.00	26.79 -0.89 0.00	24.29 -0.79 0.00	23.88 -0.78 0.00	23.55 -0.98 0.00	23.71 -1.06 0.00	19.88 -1.02 0.00	19.82 -1.17 0.00	19.99 -0.86 0.00
NM_ST_REGIS____HYD 24053	19.18 0.40 0.00	17.68 0.34 0.00	17.41 0.35 0.00	17.26 0.33 0.00	18.43 0.33 0.00	19.01 0.33 0.00	20.35 0.31 0.00	23.36 0.45 0.00	25.64 0.51 0.00	23.14 0.40 0.00	21.07 0.33 0.00	21.87 0.33 0.00	21.27 0.31 0.00	21.92 0.31 0.00	21.94 0.28 0.00	22.54 0.27 0.00	27.87 0.19 0.00	25.01 -0.07 0.00	24.65 -0.01 0.00	24.66 0.12 0.00	25.08 0.32 0.00	21.19 0.28 0.00	21.26 0.27 0.00	21.00 0.15 0.00
NORTHPORT____1 23551	19.96 1.10 -0.07	18.86 1.07 -0.46	18.11 1.04 0.00	17.98 1.05 0.00	19.40 1.17 -0.13	20.30 1.20 -0.42	22.02 1.32 -0.66	24.28 1.37 0.00	26.65 1.52 0.00	24.91 1.57 -0.60	27.98 1.54 -5.70	29.79 1.53 -6.72	28.32 1.51 -5.86	26.30 1.51 -3.18	33.75 1.57 -10.52	26.09 1.67 -2.16	29.74 2.06 0.00	28.35 2.22 -1.04	73.26 2.13 -46.48	56.86 2.10 -30.23	65.03 2.08 -38.18	46.02 1.70 -23.41	27.00 1.59 -4.42	26.77 1.57 -4.35
NORTHPORT____2 23552	19.96 1.10 -0.07	18.86 1.07 -0.46	18.11 1.04 0.00	17.98 1.05 0.00	19.40 1.17 -0.13	20.30 1.20 -0.42	22.03 1.32 -0.66	24.29 1.38 0.00	26.66 1.53 0.00	24.93 1.59 -0.60	27.99 1.55 -5.70	29.80 1.54 -6.72	28.31 1.50 -5.86	26.29 1.50 -3.18	33.74 1.56 -10.52	26.09 1.67 -2.16	29.74 2.06 0.00	28.35 2.22 -1.04	73.26 2.13 -46.48	56.86 2.10 -30.23	65.03 2.08 -38.18	46.02 1.70 -23.41	27.00 1.59 -4.42	26.77 1.57 -4.35
NORTHPORT____3 23553	19.82 0.96 -0.07	18.74 0.94 -0.46	17.97 0.91 0.00	17.85 0.92 0.00	19.25 1.02 -0.13	20.15 1.05 -0.42	21.85 1.15 -0.66	24.07 1.16 0.00	26.42 1.30 0.00	24.72 1.38 -0.60	27.76 1.32 -5.70	29.57 1.32 -6.72	28.08 1.27 -5.86	26.05 1.26 -3.18	33.50 1.32 -10.52	25.83 1.41 -2.16	29.43 1.75 0.00	28.07 1.94 -1.04	73.00 1.86 -46.48	56.57 1.81 -30.23	64.73 1.78 -38.18	45.77 1.45 -23.41	26.78 1.37 -4.42	26.59 1.39 -4.35
NORTHPORT____4 23650	19.82 0.96 -0.07	18.74 0.94 -0.46	17.97 0.91 0.00	17.85 0.92 0.00	19.25 1.02 -0.13	20.15 1.05 -0.42	21.85 1.15 -0.66	24.07 1.16 0.00	26.42 1.30 0.00	24.72 1.38 -0.60	27.76 1.32 -5.70	29.57 1.32 -6.72	28.08 1.27 -5.86	26.05 1.26 -3.18	33.50 1.32 -10.52	25.83 1.41 -2.16	29.43 1.75 0.00	28.07 1.94 -1.04	73.00 1.86 -46.48	56.57 1.81 -30.23	64.73 1.78 -38.18	45.77 1.45 -23.41	26.78 1.37 -4.42	26.59 1.39 -4.35
NORTHPORT____IC 23718	19.96 1.10 -0.07	18.86 1.07 -0.46	18.11 1.04 0.00	17.98 1.05 0.00	19.40 1.17 -0.13	20.30 1.20 -0.42	22.02 1.32 -0.66	24.28 1.37 0.00	26.65 1.52 0.00	24.91 1.57 -0.60	27.98 1.54 -5.70	29.79 1.53 -6.72	28.32 1.51 -5.86	26.30 1.51 -3.18	33.75 1.57 -10.52	26.09 1.67 -2.16	29.74 2.06 0.00	28.35 2.22 -1.04	73.26 2.13 -46.48	56.86 2.10 -30.23	65.03 2.08 -38.18	46.02 1.70 -23.41	27.00 1.59 -4.42	26.77 1.57 -4.35



NORTH____COUNTRY_ESR 323785	19.33 0.55 0.00	17.82 0.48 0.00	17.54 0.47 0.00	17.39 0.47 0.00	18.58 0.49 0.00	19.14 0.46 0.00	20.43 0.40 0.00	23.54 0.63 0.00	25.84 0.71 0.00	23.38 0.63 0.00	21.29 0.55 0.00	22.00 0.46 0.00	21.39 0.43 0.00	22.08 0.48 0.00	22.09 0.43 0.00	22.68 0.41 0.00	28.17 0.49 0.00	25.41 0.32 0.00	25.06 0.40 0.00	25.11 0.57 0.00	25.41 0.64 0.00	21.37 0.47 0.00	21.43 0.44 0.00	21.11 0.27 0.00
NPX_GEN_1385_PROXY 323591	19.96 1.10 -0.07	18.87 1.07 -0.46	18.11 1.05 0.00	17.98 1.06 0.00	19.41 1.18 -0.13	20.31 1.21 -0.42	22.06 1.36 -0.66	24.34 1.43 0.00	26.72 1.59 0.00	24.98 1.64 -0.60	28.03 1.59 -5.70	29.84 1.59 -6.72	28.35 1.53 -5.86	26.33 1.54 -3.18	33.78 1.60 -10.52	26.14 1.71 -2.16	29.80 2.12 0.00	28.40 2.27 -1.04	73.31 2.18 -46.48	56.92 2.16 -30.23	65.08 2.13 -38.18	46.06 1.74 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
NPX_GEN_CSC 323557	19.79 0.93 -0.07	18.75 0.95 -0.46	18.04 0.98 0.00	17.92 0.99 0.00	19.34 1.12 -0.13	20.19 1.10 -0.42	21.84 1.14 -0.66	24.02 1.10 0.00	26.35 1.22 0.00	24.61 1.27 -0.60	27.70 1.27 -5.70	29.50 1.24 -6.72	28.03 1.21 -5.86	25.98 1.19 -3.18	33.44 1.26 -10.52	25.82 1.39 -2.16	29.44 1.76 0.00	28.13 2.00 -1.04	73.13 2.00 -46.48	56.76 2.00 -30.23	64.91 1.96 -38.18	45.88 1.56 -23.41	26.82 1.41 -4.42	26.56 1.37 -4.35
NSINS_S_GLNS_FALLS 23858	20.18 1.41 0.00	18.62 1.29 0.00	18.34 1.28 0.00	18.21 1.28 0.00	19.55 1.45 0.00	20.20 1.52 0.00	21.64 1.60 0.00	24.73 1.82 0.00	26.96 1.83 0.00	24.41 1.67 0.00	22.32 1.58 0.00	23.09 1.56 0.00	22.50 1.54 0.00	23.01 1.41 0.00	23.27 1.61 0.00	23.86 1.59 0.00	29.92 2.24 0.00	27.21 2.12 0.00	26.81 2.15 0.00	26.85 2.32 0.00	27.16 2.39 0.00	22.92 2.01 0.00	22.80 1.81 0.00	22.57 1.73 0.00
NUCOR_STEEL____DRP 24197	18.86 0.08 0.00	17.41 0.08 0.00	17.13 0.06 0.00	16.99 0.06 0.00	18.15 0.06 0.00	18.79 0.11 0.00	20.27 0.23 0.00	23.16 0.25 0.00	25.43 0.31 0.00	22.98 0.24 0.00	20.90 0.16 0.00	21.69 0.16 0.00	21.07 0.10 0.00	21.76 0.15 0.00	21.78 0.12 0.00	22.42 0.16 0.00	27.84 0.16 0.00	25.28 0.20 0.00	24.87 0.21 0.00	24.69 0.15 0.00	24.91 0.15 0.00	21.01 0.10 0.00	21.09 0.10 0.00	20.95 0.10 0.00
NUMBER_THREE_WT_PWR 323818	19.39 0.61 0.00	17.86 0.52 0.00	17.60 0.53 0.00	17.45 0.52 0.00	18.65 0.56 0.00	19.31 0.63 0.00	20.77 0.74 0.00	23.73 0.82 0.00	25.94 0.82 0.00	23.30 0.56 0.00	21.11 0.37 0.00	22.10 0.56 0.00	21.40 0.44 0.00	21.98 0.37 0.00	22.12 0.47 0.00	22.69 0.43 0.00	28.22 0.54 0.00	25.57 0.48 0.00	25.15 0.49 0.00	25.15 0.61 0.00	25.53 0.76 0.00	21.45 0.54 0.00	21.43 0.44 0.00	21.18 0.33 0.00
NYISO_LBMP_REFERENCE 24008	18.78 0.00 0.00	17.33 0.00 0.00	17.07 0.00 0.00	16.93 0.00 0.00	18.09 0.00 0.00	18.68 0.00 0.00	20.03 0.00 0.00	22.91 0.00 0.00	25.13 0.00 0.00	22.74 0.00 0.00	20.73 0.00 0.00	21.54 0.00 0.00	20.96 0.00 0.00	21.61 0.00 0.00	21.66 0.00 0.00	22.27 0.00 0.00	27.68 0.00 0.00	25.09 0.00 0.00	24.66 0.00 0.00	24.54 0.00 0.00	24.77 0.00 0.00	20.91 0.00 0.00	20.99 0.00 0.00	20.85 0.00 0.00
NYPA_BRENTWD____GT 24164	20.10 1.25 -0.07	19.00 1.20 -0.46	18.24 1.17 0.00	18.11 1.17 0.00	19.53 1.30 -0.13	20.44 1.34 -0.42	22.19 1.49 -0.66	24.49 1.58 0.00	26.88 1.75 0.00	25.12 1.78 -0.60	28.18 1.74 -5.70	29.93 1.68 -6.72	28.49 1.68 -5.86	26.45 1.66 -3.18	33.96 1.79 -10.52	26.34 1.92 -2.16	30.03 2.35 0.00	28.63 2.50 -1.04	73.39 2.26 -46.48	57.12 2.36 -30.23	65.33 2.38 -38.18	46.27 1.95 -23.41	27.22 1.81 -4.42	26.97 1.77 -4.35
NYPA_GOWANUS____GT5 24156	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NYPA_GOWANUS____GT6 24157	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.54 0.86 0.00	20.99 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.97 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.59 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.30 1.31 0.00	22.22 1.37 0.00
NYPA_HARLEM_RVR_GT1 24160	19.57 0.78 0.00	18.04 0.71 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.47 0.79 0.00	20.91 0.88 0.00	23.91 1.00 0.00	26.25 1.12 0.00	23.93 1.19 0.00	21.91 1.18 0.00	22.76 1.23 0.00	22.27 1.31 0.00	22.97 1.36 0.00	23.05 1.39 0.00	23.70 1.43 0.00	29.45 1.77 0.00	26.90 1.82 0.00	26.38 1.72 0.00	26.15 1.61 0.00	26.32 1.55 0.00	22.22 1.32 0.00	22.08 1.08 0.00	22.01 1.16 0.00
NYPA_HARLEM_RVR_GT2 24161	19.57 0.78 0.00	18.04 0.71 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.47 0.79 0.00	20.91 0.88 0.00	23.91 1.00 0.00	26.25 1.12 0.00	23.93 1.19 0.00	21.91 1.18 0.00	22.76 1.23 0.00	22.27 1.31 0.00	22.97 1.36 0.00	23.05 1.39 0.00	23.70 1.43 0.00	29.45 1.77 0.00	26.90 1.82 0.00	26.38 1.72 0.00	26.15 1.61 0.00	26.32 1.55 0.00	22.22 1.32 0.00	22.08 1.08 0.00	22.01 1.16 0.00
NYPA_KENT____GT 24152	19.64 0.86 0.00	18.09 0.76 0.00	17.81 0.74 0.00	17.69 0.76 0.00	18.92 0.82 0.00	19.53 0.85 0.00	20.99 0.95 0.00	24.02 1.11 0.00	26.38 1.25 0.00	24.07 1.32 0.00	22.06 1.33 0.00	22.96 1.42 0.00	22.43 1.47 0.00	23.13 1.52 0.00	23.22 1.56 0.00	23.89 1.61 0.00	29.69 2.01 0.00	27.14 2.04 -0.01	26.61 1.95 0.00	26.36 1.82 0.00	26.54 1.76 0.00	22.38 1.48 0.00	22.26 1.26 0.00	22.18 1.33 0.00
NYPA_POUCH1____GT 24155	19.61 0.83 0.00	18.07 0.74 0.00	17.78 0.71 0.00	17.66 0.73 0.00	18.88 0.78 0.00	19.50 0.82 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.33 1.20 0.00	24.06 1.31 0.00	22.07 1.34 0.00	22.95 1.41 0.00	22.41 1.45 0.00	23.13 1.52 0.00	23.22 1.56 -0.01	23.89 1.61 -0.01	29.73 2.04 -0.01	27.18 2.08 -0.02	26.67 2.01 -0.01	26.43 1.88 -0.01	26.61 1.84 -0.01	22.45 1.54 0.00	22.32 1.33 0.00	22.23 1.38 0.00
NYPA_VERNON____GT2 24162	19.63 0.85 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.98 0.94 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.94 1.40 0.00	22.41 1.45 0.00	23.10 1.50 0.00	23.18 1.53 0.00	23.85 1.58 0.00	29.64 1.96 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.31 1.77 0.00	26.48 1.71 0.00	22.33 1.42 0.00	22.21 1.22 0.00	22.13 1.29 0.00



NYPA_VERNON____GT3 24163	19.63 0.85 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.98 0.94 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.94 1.40 0.00	22.41 1.45 0.00	23.10 1.50 0.00	23.18 1.53 0.00	23.85 1.58 0.00	29.64 1.96 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.31 1.77 0.00	26.48 1.71 0.00	22.33 1.42 0.00	22.21 1.22 0.00	22.13 1.29 0.00
NYPA____ASTORIA_CC1 323568	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
NYPA____ASTORIA_CC2 323569	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.79 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.49 1.84 0.00	26.25 1.71 0.00	26.42 1.65 0.00	22.29 1.38 0.00	22.17 1.18 0.00	22.09 1.25 0.00
NYPA____HOLTSVILL 23794	19.94 1.09 -0.07	18.87 1.07 -0.46	18.12 1.06 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.31 1.21 -0.42	22.03 1.33 -0.66	24.29 1.38 0.00	26.65 1.53 0.00	24.91 1.57 -0.60	27.98 1.55 -5.70	29.79 1.53 -6.72	28.30 1.49 -5.86	26.28 1.49 -3.18	33.73 1.56 -10.52	26.11 1.68 -2.16	29.76 2.08 0.00	28.40 2.27 -1.04	73.36 2.23 -46.48	56.98 2.21 -30.23	65.13 2.18 -38.18	46.08 1.76 -23.41	27.04 1.63 -4.42	26.77 1.58 -4.35
NYPA____HELLGATE_GT1 24158	19.57 0.78 0.00	18.04 0.71 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.47 0.79 0.00	20.91 0.88 0.00	23.91 1.00 0.00	26.25 1.12 0.00	23.93 1.19 0.00	21.91 1.18 0.00	22.76 1.23 0.00	22.27 1.31 0.00	22.97 1.36 0.00	23.05 1.39 0.00	23.70 1.43 0.00	29.45 1.77 0.00	26.90 1.82 0.00	26.38 1.72 0.00	26.15 1.61 0.00	26.32 1.55 0.00	22.22 1.32 0.00	22.08 1.08 0.00	22.01 1.16 0.00
NYPA____HELLGATE_GT2 24159	19.57 0.78 0.00	18.04 0.71 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.87 0.77 0.00	19.47 0.79 0.00	20.91 0.88 0.00	23.91 1.00 0.00	26.25 1.12 0.00	23.93 1.19 0.00	21.91 1.18 0.00	22.76 1.23 0.00	22.27 1.31 0.00	22.97 1.36 0.00	23.05 1.39 0.00	23.70 1.43 0.00	29.45 1.77 0.00	26.90 1.82 0.00	26.38 1.72 0.00	26.15 1.61 0.00	26.32 1.55 0.00	22.22 1.32 0.00	22.08 1.08 0.00	22.01 1.16 0.00
NYS_BARGE____HYD 23848	18.48 -0.31 0.00	17.14 -0.19 0.00	16.84 -0.22 0.00	16.65 -0.28 0.00	17.70 -0.39 0.00	18.27 -0.41 0.00	19.80 -0.24 0.00	22.42 -0.49 0.00	24.90 -0.22 0.00	22.83 0.09 0.00	20.85 0.11 0.00	21.63 0.09 0.00	20.81 -0.15 0.00	21.56 -0.05 0.00	21.43 -0.22 0.00	22.11 -0.16 0.00	27.21 -0.46 0.00	24.70 -0.39 0.00	24.28 -0.38 0.00	23.96 -0.58 0.00	24.12 -0.64 0.00	20.24 -0.67 0.00	20.27 -0.72 0.00	20.42 -0.43 0.00
OAK ORCHARD____HYD 24046	18.72 -0.06 0.00	17.32 -0.02 0.00	17.03 -0.04 0.00	16.86 -0.08 0.00	17.97 -0.13 0.00	18.57 -0.12 0.00	20.08 0.04 0.00	22.89 -0.02 0.00	25.30 0.17 0.00	23.02 0.28 0.00	20.99 0.25 0.00	21.80 0.26 0.00	21.04 0.08 0.00	21.77 0.16 0.00	21.72 0.06 0.00	22.40 0.13 0.00	27.68 0.00 0.00	25.14 0.06 0.00	24.72 0.06 0.00	24.46 -0.08 0.00	24.65 -0.12 0.00	20.73 -0.17 0.00	20.79 -0.20 0.00	20.75 -0.10 0.00
OAKDALE____35_KV_LOAD 356122	18.89 0.10 0.00	17.41 0.08 0.00	17.14 0.07 0.00	17.00 0.07 0.00	18.15 0.05 0.00	18.80 0.12 0.00	20.26 0.22 0.00	23.16 0.25 0.00	25.47 0.34 0.00	23.13 0.38 0.00	21.15 0.41 0.00	21.96 0.42 0.00	21.28 0.32 0.00	22.03 0.42 0.00	22.01 0.36 0.00	22.67 0.40 0.00	28.11 0.43 0.00	25.59 0.50 0.00	25.12 0.46 0.00	24.88 0.34 0.00	25.11 0.34 0.00	21.15 0.25 0.00	21.19 0.20 0.00	21.07 0.23 0.00
OCC_CHEM____DRP 24175	18.23 -0.55 0.00	16.92 -0.41 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.61 0.00	18.05 -0.64 0.00	19.53 -0.50 0.00	22.11 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.21 0.00	20.57 -0.16 0.00	21.32 -0.21 0.00	20.51 -0.45 0.00	21.26 -0.35 0.00	21.15 -0.50 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.60 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.98 0.00	19.86 -1.13 0.00	20.04 -0.80 0.00
OH_GEN_PROXY 24063	18.37 -0.42 0.00	17.03 -0.31 0.00	16.74 -0.32 0.00	16.56 -0.37 0.00	17.60 -0.49 0.00	18.16 -0.52 0.00	19.66 -0.38 0.00	22.30 -0.61 0.00	24.76 -0.37 0.00	22.70 -0.04 0.00	20.72 -0.02 0.00	21.47 -0.06 0.00	20.66 -0.30 0.00	21.40 -0.20 0.00	21.30 -0.35 0.00	21.99 -0.28 0.00	27.08 -0.60 0.00	24.57 -0.52 0.00	24.14 -0.52 0.00	23.81 -0.72 0.00	23.98 -0.79 0.00	20.12 -0.79 0.00	20.17 -0.82 0.00	20.29 -0.56 0.00
OLIN_CORP_DRP 24177	18.23 -0.55 0.00	16.91 -0.42 0.00	16.63 -0.44 0.00	16.44 -0.48 0.00	17.47 -0.63 0.00	18.04 -0.65 0.00	19.52 -0.52 0.00	22.09 -0.82 0.00	24.53 -0.60 0.00	22.50 -0.24 0.00	20.54 -0.20 0.00	21.28 -0.25 0.00	20.48 -0.48 0.00	21.24 -0.37 0.00	21.11 -0.54 0.00	21.78 -0.49 0.00	26.79 -0.89 0.00	24.31 -0.78 0.00	23.89 -0.76 0.00	23.57 -0.97 0.00	23.73 -1.04 0.00	19.90 -1.00 0.00	19.89 -1.11 0.00	20.13 -0.72 0.00
OLIN_CORP_DSASP 323712	18.24 -0.55 0.00	16.93 -0.40 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.60 0.00	18.04 -0.64 0.00	19.53 -0.50 0.00	22.10 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.20 0.00	20.57 -0.17 0.00	21.32 -0.22 0.00	20.51 -0.45 0.00	21.25 -0.36 0.00	21.14 -0.51 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.61 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.97 0.00	19.93 -1.06 0.00	20.05 -0.80 0.00
ONEIDA_HERK_LFGE 323681	19.26 0.47 0.00	17.74 0.41 0.00	17.48 0.41 0.00	17.33 0.40 0.00	18.52 0.42 0.00	19.17 0.49 0.00	20.59 0.56 0.00	23.54 0.63 0.00	25.78 0.65 0.00	23.25 0.51 0.00	21.15 0.41 0.00	22.01 0.48 0.00	21.40 0.43 0.00	22.02 0.41 0.00	22.12 0.46 0.00	22.70 0.44 0.00	28.23 0.55 0.00	25.58 0.49 0.00	25.15 0.49 0.00	25.09 0.55 0.00	25.41 0.64 0.00	21.40 0.49 0.00	21.42 0.43 0.00	21.24 0.39 0.00
ONEIDA____115KV_TB4 55905	19.23 0.45 0.00	17.72 0.38 0.00	17.45 0.38 0.00	17.31 0.38 0.00	18.48 0.39 0.00	19.15 0.47 0.00	20.59 0.56 0.00	23.53 0.62 0.00	25.80 0.67 0.00	23.31 0.56 0.00	21.23 0.49 0.00	22.02 0.48 0.00	21.44 0.48 0.00	22.07 0.46 0.00	22.16 0.50 0.00	22.77 0.50 0.00	28.33 0.65 0.00	25.63 0.54 0.00	25.22 0.56 0.00	25.11 0.58 0.00	25.41 0.64 0.00	21.42 0.51 0.00	21.45 0.46 0.00	21.32 0.47 0.00



ONONDAGA_REF_OCCRA 23987	18.78 0.00 0.00	17.32 -0.02 0.00	17.04 -0.03 0.00	16.90 -0.03 0.00	18.06 -0.03 0.00	18.68 0.00 0.00	20.13 0.10 0.00	23.01 0.10 0.00	25.27 0.14 0.00	22.83 0.09 0.00	20.77 0.03 0.00	21.55 0.01 0.00	20.95 -0.02 0.00	21.63 0.02 0.00	21.66 0.00 0.00	22.29 0.02 0.00	27.68 0.01 0.00	25.11 0.03 0.00	24.69 0.03 0.00	24.52 -0.01 0.00	24.74 -0.03 0.00	20.87 -0.04 0.00	20.96 -0.03 0.00	20.84 -0.01 0.00
ONONDAGA___COGEN 23986	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
ONTARIO___LFGE 23819	18.87 0.08 0.00	17.39 0.06 0.00	17.12 0.05 0.00	16.96 0.03 0.00	18.09 0.00 0.00	18.76 0.08 0.00	20.28 0.24 0.00	23.18 0.27 0.00	25.55 0.42 0.00	23.16 0.42 0.00	21.13 0.39 0.00	21.92 0.38 0.00	21.19 0.23 0.00	21.97 0.37 0.00	21.93 0.27 0.00	22.60 0.33 0.00	27.95 0.27 0.00	25.46 0.38 0.00	25.05 0.39 0.00	24.81 0.27 0.00	25.05 0.28 0.00	21.07 0.16 0.00	21.09 0.10 0.00	20.99 0.14 0.00
ORANGEVILLE_WT_PWR 323706	18.70 -0.08 0.00	17.29 -0.05 0.00	17.02 -0.05 0.00	16.83 -0.10 0.00	17.90 -0.20 0.00	18.51 -0.18 0.00	20.02 -0.01 0.00	22.79 -0.12 0.00	25.30 0.17 0.00	23.13 0.39 0.00	21.12 0.39 0.00	21.89 0.36 0.00	21.07 0.11 0.00	21.85 0.25 0.00	21.69 0.03 0.00	22.43 0.16 0.00	27.60 -0.08 0.00	25.06 -0.03 0.00	24.65 -0.01 0.00	24.37 -0.16 0.00	24.62 -0.15 0.00	20.62 -0.28 0.00	20.63 -0.36 0.00	20.57 -0.27 0.00
ORANGEVILLE___ESR 323794	18.70 -0.08 0.00	17.29 -0.05 0.00	17.02 -0.05 0.00	16.83 -0.10 0.00	17.90 -0.20 0.00	18.51 -0.18 0.00	20.02 -0.01 0.00	22.79 -0.12 0.00	25.30 0.17 0.00	23.13 0.39 0.00	21.12 0.39 0.00	21.89 0.36 0.00	21.07 0.11 0.00	21.85 0.25 0.00	21.69 0.03 0.00	22.43 0.16 0.00	27.60 -0.08 0.00	25.06 -0.03 0.00	24.65 -0.01 0.00	24.37 -0.16 0.00	24.62 -0.15 0.00	20.62 -0.28 0.00	20.63 -0.36 0.00	20.57 -0.27 0.00
OSWEGATCHIE___HYD 24044	19.22 0.44 0.00	17.72 0.38 0.00	17.46 0.39 0.00	17.31 0.38 0.00	18.49 0.40 0.00	19.11 0.43 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.72 0.59 0.00	23.12 0.38 0.00	20.99 0.26 0.00	21.91 0.38 0.00	21.26 0.30 0.00	21.88 0.27 0.00	21.95 0.29 0.00	22.54 0.27 0.00	27.93 0.25 0.00	25.18 0.10 0.00	24.79 0.14 0.00	24.80 0.26 0.00	25.23 0.46 0.00	21.27 0.36 0.00	21.31 0.31 0.00	21.04 0.19 0.00
OSWEGO___5 23606	18.47 -0.31 0.00	17.04 -0.29 0.00	16.78 -0.29 0.00	16.64 -0.29 0.00	17.77 -0.32 0.00	18.37 -0.31 0.00	19.76 -0.28 0.00	22.58 -0.33 0.00	24.78 -0.35 0.00	22.38 -0.36 0.00	20.34 -0.39 0.00	21.12 -0.41 0.00	20.53 -0.43 0.00	21.17 -0.43 0.00	21.20 -0.45 0.00	21.83 -0.44 0.00	27.10 -0.57 0.00	24.60 -0.49 0.00	24.18 -0.47 0.00	24.03 -0.51 0.00	24.25 -0.52 0.00	20.46 -0.45 0.00	20.59 -0.40 0.00	20.48 -0.37 0.00
OSWEGO___6 23613	18.47 -0.31 0.00	17.04 -0.29 0.00	16.78 -0.29 0.00	16.64 -0.29 0.00	17.77 -0.32 0.00	18.37 -0.31 0.00	19.76 -0.28 0.00	22.58 -0.33 0.00	24.78 -0.35 0.00	22.38 -0.36 0.00	20.34 -0.39 0.00	21.12 -0.41 0.00	20.53 -0.43 0.00	21.17 -0.43 0.00	21.20 -0.45 0.00	21.83 -0.44 0.00	27.10 -0.57 0.00	24.60 -0.49 0.00	24.18 -0.47 0.00	24.03 -0.51 0.00	24.25 -0.52 0.00	20.46 -0.45 0.00	20.59 -0.40 0.00	20.48 -0.37 0.00
OUTOKUMPU-AB___DRP 24206	18.56 -0.22 0.00	17.21 -0.12 0.00	16.93 -0.13 0.00	16.75 -0.18 0.00	17.79 -0.31 0.00	18.38 -0.30 0.00	19.90 -0.13 0.00	22.56 -0.35 0.00	25.06 -0.07 0.00	23.00 0.25 0.00	21.04 0.30 0.00	21.86 0.33 0.00	21.02 0.06 0.00	21.80 0.19 0.00	21.66 0.01 0.00	22.34 0.07 0.00	27.49 -0.18 0.00	24.94 -0.14 0.00	24.52 -0.14 0.00	24.18 -0.36 0.00	24.35 -0.42 0.00	20.43 -0.48 0.00	20.37 -0.62 0.00	20.53 -0.32 0.00
OXBOW____ 24026	18.45 -0.33 0.00	17.12 -0.21 0.00	16.83 -0.23 0.00	16.64 -0.29 0.00	17.69 -0.40 0.00	18.25 -0.43 0.00	19.77 -0.26 0.00	22.40 -0.52 0.00	24.88 -0.24 0.00	22.83 0.09 0.00	20.86 0.13 0.00	21.65 0.12 0.00	20.83 -0.13 0.00	21.58 -0.03 0.00	21.46 -0.19 0.00	22.14 -0.13 0.00	27.25 -0.43 0.00	24.71 -0.37 0.00	24.29 -0.36 0.00	23.96 -0.57 0.00	24.13 -0.64 0.00	20.24 -0.67 0.00	20.24 -0.75 0.00	20.35 -0.50 0.00
OXY_CHEM_DSASP 323612	18.23 -0.55 0.00	16.92 -0.41 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.61 0.00	18.05 -0.64 0.00	19.53 -0.50 0.00	22.11 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.21 0.00	20.57 -0.16 0.00	21.32 -0.21 0.00	20.51 -0.45 0.00	21.26 -0.35 0.00	21.15 -0.50 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.60 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.98 0.00	19.86 -1.13 0.00	20.04 -0.80 0.00
OZONE_PARK_ESR 323760	19.79 1.01 0.00	18.23 0.89 0.00	17.94 0.87 0.00	17.81 0.88 0.00	19.05 0.96 0.00	19.67 0.98 0.00	21.12 1.09 0.00	24.19 1.27 0.00	26.56 1.43 0.00	24.23 1.49 0.00	22.22 1.48 0.00	23.11 1.57 0.00	22.56 1.60 0.00	23.27 1.66 0.00	23.35 1.69 0.00	24.03 1.76 0.00	29.86 2.18 0.00	27.29 2.21 0.00	26.77 2.11 0.00	26.50 1.96 0.00	26.68 1.91 0.00	22.50 1.59 0.00	22.40 1.40 0.00	22.30 1.45 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	18.23 -0.55 0.00	16.92 -0.41 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.61 0.00	18.05 -0.64 0.00	19.53 -0.50 0.00	22.11 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.21 0.00	20.57 -0.16 0.00	21.32 -0.21 0.00	20.51 -0.45 0.00	21.26 -0.35 0.00	21.15 -0.50 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.60 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.98 0.00	19.86 -1.13 0.00	20.04 -0.80 0.00
PACKARD___115KV_DUPONT_184 80571	18.23 -0.55 0.00	16.92 -0.41 0.00	16.65 -0.42 0.00	16.46 -0.47 0.00	17.49 -0.61 0.00	18.05 -0.64 0.00	19.53 -0.50 0.00	22.11 -0.81 0.00	24.56 -0.57 0.00	22.54 -0.21 0.00	20.57 -0.16 0.00	21.32 -0.21 0.00	20.51 -0.45 0.00	21.26 -0.35 0.00	21.15 -0.50 0.00	21.82 -0.45 0.00	26.84 -0.84 0.00	24.35 -0.74 0.00	23.93 -0.73 0.00	23.60 -0.93 0.00	23.77 -1.00 0.00	19.93 -0.98 0.00	19.86 -1.13 0.00	20.04 -0.80 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.58 0.79 0.00	18.04 0.70 0.00	17.75 0.68 0.00	17.65 0.72 0.00	18.88 0.78 0.00	19.48 0.80 0.00	20.93 0.90 0.00	23.94 1.03 0.00	26.28 1.15 0.00	23.95 1.21 0.00	21.92 1.19 0.00	22.78 1.25 0.00	22.28 1.32 0.00	22.97 1.36 0.00	23.04 1.39 0.00	23.71 1.44 0.00	29.46 1.78 0.00	26.91 1.82 0.00	26.39 1.73 0.00	26.16 1.62 0.00	26.34 1.57 0.00	22.24 1.33 0.00	22.13 1.14 0.00	22.03 1.18 0.00



PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.57 0.79 0.00	18.02 0.68 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.85 0.76 0.00	19.47 0.78 0.00	20.87 0.83 0.00	23.84 0.93 0.00	26.17 1.05 0.00	23.86 1.12 0.00	21.86 1.12 0.00	22.72 1.19 0.00	22.23 1.27 0.00	22.91 1.31 0.00	22.99 1.34 0.00	23.64 1.37 0.00	29.38 1.70 0.00	26.84 1.75 0.00	26.32 1.66 0.00	26.10 1.56 0.00	26.27 1.50 0.00	22.18 1.27 0.00	22.08 1.09 0.00	22.03 1.18 0.00
PATROON__115KV_TB1 80586	19.17 0.39 0.00	17.71 0.38 0.00	17.47 0.40 0.00	17.34 0.41 0.00	18.56 0.46 0.00	19.13 0.45 0.00	20.43 0.40 0.00	23.40 0.49 0.00	25.61 0.48 0.00	23.24 0.49 0.00	21.23 0.49 0.00	22.04 0.50 0.00	21.50 0.54 0.00	22.13 0.52 0.00	22.22 0.57 0.00	22.77 0.50 0.00	28.39 0.71 0.00	25.85 0.77 0.00	25.40 0.74 0.00	25.35 0.81 0.00	25.59 0.82 0.00	21.60 0.69 0.00	21.52 0.53 0.00	21.42 0.57 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	18.78 0.00 0.00	17.38 0.05 0.00	17.10 0.03 0.00	16.92 -0.01 0.00	17.98 -0.11 0.00	18.60 -0.08 0.00	20.14 0.10 0.00	22.89 -0.03 0.00	25.43 0.30 0.00	23.29 0.55 0.00	21.31 0.57 0.00	22.09 0.55 0.00	21.23 0.27 0.00	22.04 0.44 0.00	21.92 0.26 0.00	22.61 0.34 0.00	27.85 0.17 0.00	25.29 0.20 0.00	24.82 0.16 0.00	24.47 -0.07 0.00	24.65 -0.11 0.00	20.68 -0.22 0.00	20.67 -0.32 0.00	20.76 -0.08 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.70 0.92 0.00	18.15 0.82 0.00	17.87 0.80 0.00	17.74 0.81 0.00	18.98 0.88 0.00	19.60 0.92 0.00	21.08 1.04 0.00	24.12 1.21 0.00	26.44 1.31 0.00	24.09 1.34 0.00	22.06 1.32 0.00	22.95 1.41 0.00	22.40 1.43 0.00	23.06 1.46 0.00	23.14 1.49 0.00	23.81 1.54 0.00	29.64 1.96 0.00	27.06 1.98 0.00	26.57 1.91 0.00	26.35 1.81 0.00	26.54 1.77 0.00	22.39 1.48 0.00	22.31 1.31 0.00	22.19 1.34 0.00
PEEKSKILL____ 23653	19.51 0.73 0.00	17.98 0.65 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.80 0.71 0.00	19.41 0.73 0.00	20.85 0.82 0.00	23.85 0.94 0.00	26.16 1.03 0.00	23.85 1.11 0.00	21.85 1.11 0.00	22.73 1.19 0.00	22.19 1.23 0.00	22.87 1.26 0.00	22.95 1.30 0.00	23.62 1.35 0.00	29.37 1.69 0.00	26.82 1.73 0.00	26.32 1.66 0.00	26.07 1.53 0.00	26.26 1.49 0.00	22.16 1.25 0.00	22.07 1.08 0.00	21.99 1.14 0.00
PGE MADISON__WINDPWR 24146	19.98 1.20 0.00	18.40 1.06 0.00	18.11 1.04 0.00	17.96 1.03 0.00	19.20 1.11 0.00	19.99 1.31 0.00	21.61 1.57 0.00	24.71 1.80 0.00	27.09 1.97 0.00	24.50 1.76 0.00	22.37 1.64 0.00	22.98 1.44 0.00	22.40 1.44 0.00	23.02 1.41 0.00	23.15 1.50 0.00	23.90 1.63 0.00	29.83 2.15 0.00	27.14 2.06 0.00	26.70 2.04 0.00	26.54 2.00 0.00	26.85 2.08 0.00	22.60 1.69 0.00	22.57 1.57 0.00	22.39 1.55 0.00
PIERCEFIELD__HYD 23852	19.06 0.28 0.00	17.58 0.24 0.00	17.32 0.25 0.00	17.17 0.24 0.00	18.32 0.23 0.00	18.91 0.22 0.00	20.24 0.20 0.00	23.21 0.30 0.00	25.47 0.34 0.00	22.96 0.22 0.00	20.90 0.17 0.00	21.72 0.18 0.00	21.13 0.17 0.00	21.77 0.16 0.00	21.79 0.14 0.00	22.39 0.12 0.00	27.66 -0.01 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.43 -0.11 0.00	24.89 0.12 0.00	21.04 0.13 0.00	21.12 0.13 0.00	20.88 0.03 0.00
PINELAWN_CC_1 323563	20.01 1.16 -0.07	18.90 1.10 -0.46	18.13 1.07 0.00	18.00 1.07 0.00	19.42 1.19 -0.13	20.33 1.23 -0.42	22.07 1.37 -0.66	24.36 1.45 0.00	26.73 1.60 0.00	24.99 1.65 -0.60	28.06 1.62 -5.70	29.86 1.60 -6.72	28.38 1.56 -5.86	26.39 1.60 -3.18	33.87 1.69 -10.52	26.21 1.79 -2.16	29.85 2.19 0.02	28.49 2.36 -1.04	73.16 2.25 -46.25	56.60 2.23 -29.83	65.12 2.21 -38.15	46.12 1.82 -23.39	27.11 1.70 -4.42	26.86 1.67 -4.35
PJM_GEN_HTP_PROXY 323702	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.52 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.25 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.03 1.94 0.00	26.51 1.85 0.00	26.25 1.71 0.00	26.41 1.65 0.00	22.27 1.37 0.00	22.16 1.17 0.00	22.10 1.26 0.00
PJM_GEN_KEystone 24065	18.97 0.18 0.00	17.50 0.17 0.00	17.23 0.16 0.00	17.10 0.17 0.00	18.24 0.15 0.00	18.87 0.18 0.00	20.34 0.30 0.00	23.22 0.31 0.00	25.57 0.44 0.00	23.35 0.61 0.00	21.42 0.68 0.00	22.26 0.72 0.00	21.56 0.60 0.00	22.33 0.73 0.00	22.33 0.68 0.00	23.00 0.73 0.00	28.52 0.84 0.00	26.00 0.91 0.00	28.08 0.83 -2.59	25.17 0.63 0.00	25.35 0.58 0.00	21.35 0.45 0.00	21.33 0.34 0.00	21.28 0.43 0.00
PJM_GEN_NEPTUNE_PROXY 323594	19.78 0.97 -0.03	18.44 0.91 -0.20	17.95 0.88 0.00	17.82 0.89 0.00	19.14 0.99 -0.06	19.88 1.02 -0.18	21.43 1.11 -0.29	24.06 1.15 0.00	26.41 1.28 0.00	24.37 1.37 -0.26	24.58 1.37 -2.47	25.83 1.38 -2.92	24.87 1.37 -2.54	24.37 1.38 -1.38	27.65 1.43 -4.57	24.72 1.51 -0.94	29.55 1.86 -0.01	27.56 2.02 -0.45	46.88 1.93 -20.28	39.70 1.86 -13.29	43.19 1.83 -16.59	32.59 1.51 -10.17	24.31 1.40 -1.92	24.16 1.42 -1.89
PJM_GEN_VFT_PROXY 323633	19.57 0.79 0.00	18.02 0.69 0.00	17.75 0.68 0.00	17.63 0.70 0.00	18.85 0.75 0.00	19.44 0.76 0.00	20.86 0.82 0.00	23.87 0.96 0.00	26.20 1.07 0.00	23.88 1.14 0.00	21.89 1.15 0.00	22.78 1.24 0.00	22.24 1.28 0.00	22.95 1.34 0.00	23.03 1.37 0.00	23.70 1.43 0.00	29.43 1.75 0.00	26.90 1.81 0.00	26.38 1.72 0.00	26.10 1.57 0.00	26.28 1.52 0.00	22.17 1.26 0.00	22.06 1.07 0.00	22.01 1.16 0.00
PLATSBURG_115KV_PMLD1 355749	19.61 0.83 0.00	18.06 0.73 0.00	17.78 0.71 0.00	17.63 0.71 0.00	18.85 0.75 0.00	19.41 0.72 0.00	20.69 0.65 0.00	23.88 0.96 0.00	26.19 1.06 0.00	23.73 0.98 0.00	21.60 0.87 0.00	22.27 0.74 0.00	21.65 0.69 0.00	22.36 0.75 0.00	22.36 0.70 0.00	22.94 0.67 0.00	28.53 0.84 0.00	25.75 0.66 0.00	25.41 0.75 0.00	25.51 0.97 0.00	25.82 1.05 0.00	21.68 0.77 0.00	21.71 0.72 0.00	21.35 0.50 0.00
PLEASANTVLY__LBMP 24000	19.48 0.70 0.00	17.96 0.63 0.00	17.68 0.62 0.00	17.55 0.62 0.00	18.78 0.69 0.00	19.39 0.70 0.00	20.81 0.78 0.00	23.80 0.88 0.00	26.07 0.94 0.00	23.75 1.00 0.00	21.75 1.02 0.00	22.61 1.08 0.00	22.07 1.11 0.00	22.73 1.13 0.00	22.81 1.16 0.00	23.45 1.18 0.00	29.18 1.50 0.00	26.64 1.55 0.00	26.15 1.49 0.00	25.95 1.41 0.00	26.14 1.37 0.00	22.08 1.17 0.00	22.01 1.01 0.00	21.90 1.05 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	19.57 0.78 0.00	18.03 0.69 0.00	17.75 0.68 0.00	17.62 0.69 0.00	18.85 0.76 0.00	19.46 0.77 0.00	20.90 0.87 0.00	23.92 1.01 0.00	26.23 1.10 0.00	23.91 1.17 0.00	21.91 1.17 0.00	22.80 1.26 0.00	22.26 1.30 0.00	22.94 1.33 0.00	23.02 1.36 0.00	23.68 1.41 0.00	29.44 1.77 0.00	26.89 1.81 0.00	26.39 1.73 0.00	26.16 1.61 0.00	26.34 1.57 0.00	22.23 1.33 0.00	22.15 1.16 0.00	22.05 1.20 0.00



PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	19.57 0.78 0.00	18.03 0.69 0.00	17.75 0.68 0.00	17.62 0.69 0.00	18.85 0.76 0.00	19.46 0.77 0.00	20.90 0.87 0.00	23.92 1.01 0.00	26.23 1.10 0.00	23.91 1.17 0.00	21.91 1.17 0.00	22.80 1.26 0.00	22.26 1.30 0.00	22.94 1.33 0.00	23.02 1.36 0.00	23.68 1.41 0.00	29.44 1.77 0.00	26.89 1.81 0.00	26.39 1.73 0.00	26.16 1.61 0.00	26.34 1.57 0.00	22.23 1.33 0.00	22.15 1.16 0.00	22.05 1.20 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	19.62 0.84 0.00	18.07 0.74 0.00	17.79 0.72 0.00	17.66 0.72 0.00	18.89 0.80 0.00	19.51 0.83 0.00	20.98 0.94 0.00	23.99 1.08 0.00	26.27 1.14 0.00	23.92 1.18 0.00	21.89 1.15 0.00	22.77 1.23 0.00	22.21 1.25 0.00	22.88 1.28 0.00	22.96 1.30 0.00	23.63 1.36 0.00	29.42 1.74 0.00	26.84 1.76 0.00	26.38 1.72 0.00	26.17 1.63 0.00	26.37 1.60 0.00	22.26 1.36 0.00	22.19 1.20 0.00	22.07 1.22 0.00
POLETTI____ 23519	19.61 0.83 0.00	18.07 0.73 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.89 0.80 0.00	19.50 0.82 0.00	20.92 0.88 0.00	23.93 1.02 0.00	26.27 1.14 0.00	23.96 1.22 0.00	21.96 1.23 0.00	22.85 1.31 0.00	22.31 1.35 0.00	23.00 1.39 0.00	23.09 1.43 0.00	23.76 1.49 0.00	29.52 1.84 0.00	26.97 1.88 0.00	26.46 1.80 0.00	26.19 1.65 0.00	26.37 1.60 0.00	22.24 1.33 0.00	22.14 1.15 0.00	22.07 1.22 0.00
PORT_JEFF_3 23555	19.98 1.12 -0.07	18.90 1.10 -0.46	18.15 1.09 0.00	18.02 1.09 0.00	19.45 1.23 -0.13	20.34 1.24 -0.42	22.08 1.38 -0.66	24.35 1.44 0.00	26.71 1.58 0.00	24.96 1.62 -0.60	28.03 1.59 -5.70	29.84 1.58 -6.72	28.35 1.54 -5.86	26.34 1.55 -3.18	33.79 1.61 -10.52	26.16 1.74 -2.16	29.81 2.13 0.00	28.45 2.32 -1.04	73.44 2.30 -46.48	57.05 2.29 -30.23	65.19 2.24 -38.18	46.13 1.81 -23.41	27.10 1.70 -4.42	26.82 1.62 -4.35
PORT_JEFF_4 23616	19.98 1.12 -0.07	18.90 1.10 -0.46	18.15 1.09 0.00	18.02 1.09 0.00	19.45 1.23 -0.13	20.34 1.24 -0.42	22.08 1.38 -0.66	24.35 1.44 0.00	26.71 1.58 0.00	24.96 1.62 -0.60	28.03 1.59 -5.70	29.84 1.58 -6.72	28.35 1.54 -5.86	26.34 1.55 -3.18	33.79 1.61 -10.52	26.16 1.74 -2.16	29.81 2.13 0.00	28.45 2.32 -1.04	73.44 2.30 -46.48	57.05 2.29 -30.23	65.19 2.24 -38.18	46.13 1.81 -23.41	27.10 1.70 -4.42	26.82 1.62 -4.35
PORT_JEFF_IC 23713	19.99 1.13 -0.07	18.91 1.12 -0.46	18.16 1.09 0.00	18.03 1.10 0.00	19.46 1.24 -0.13	20.35 1.25 -0.42	22.09 1.39 -0.66	24.36 1.45 0.00	26.73 1.60 0.00	24.98 1.64 -0.60	28.05 1.61 -5.70	29.85 1.60 -6.72	28.36 1.55 -5.86	26.35 1.56 -3.18	33.81 1.63 -10.52	26.18 1.75 -2.16	29.78 2.10 0.00	28.43 2.30 -1.04	73.48 2.34 -46.48	57.08 2.32 -30.23	65.21 2.26 -38.18	46.12 1.81 -23.41	27.12 1.72 -4.42	26.82 1.63 -4.35
PPL PILGRIM_ST_GT1 24216	20.10 1.25 -0.07	19.00 1.20 -0.46	18.24 1.17 0.00	18.11 1.17 0.00	19.53 1.30 -0.13	20.44 1.34 -0.42	22.19 1.49 -0.66	24.49 1.58 0.00	26.88 1.75 0.00	25.12 1.78 -0.60	28.18 1.74 -5.70	29.93 1.68 -6.72	28.49 1.68 -5.86	26.45 1.66 -3.18	33.96 1.79 -10.52	26.34 1.92 -2.16	30.03 2.35 0.00	28.63 2.50 -1.04	73.39 2.26 -46.48	57.12 2.36 -30.23	65.33 2.38 -38.18	46.27 1.95 -23.41	27.22 1.81 -4.42	26.97 1.77 -4.35
PPL PILGRIM_ST_GT2 24217	20.10 1.25 -0.07	19.00 1.20 -0.46	18.24 1.17 0.00	18.11 1.17 0.00	19.53 1.30 -0.13	20.44 1.34 -0.42	22.19 1.49 -0.66	24.49 1.58 0.00	26.88 1.75 0.00	25.12 1.78 -0.60	28.18 1.74 -5.70	29.93 1.68 -6.72	28.49 1.68 -5.86	26.45 1.66 -3.18	33.96 1.79 -10.52	26.34 1.92 -2.16	30.03 2.35 0.00	28.63 2.50 -1.04	73.39 2.26 -46.48	57.12 2.36 -30.23	65.33 2.38 -38.18	46.27 1.95 -23.41	27.22 1.81 -4.42	26.97 1.77 -4.35
PPL_SHRM_GT3 24213	19.80 0.94 -0.07	18.76 0.96 -0.46	18.05 0.99 0.00	17.93 1.00 0.00	19.34 1.12 -0.13	20.20 1.10 -0.42	21.84 1.14 -0.66	24.02 1.10 0.00	26.35 1.22 0.00	24.61 1.27 -0.60	27.69 1.26 -5.70	29.49 1.23 -6.72	28.02 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.44 1.76 0.00	28.13 2.00 -1.04	73.15 2.01 -46.48	56.78 2.01 -30.23	64.92 1.97 -38.18	45.89 1.58 -23.41	26.82 1.41 -4.42	26.58 1.38 -4.35
PPL_SHRM_GT4 24214	19.80 0.94 -0.07	18.76 0.96 -0.46	18.05 0.99 0.00	17.93 1.00 0.00	19.34 1.12 -0.13	20.20 1.10 -0.42	21.84 1.14 -0.66	24.02 1.10 0.00	26.35 1.22 0.00	24.61 1.27 -0.60	27.69 1.26 -5.70	29.49 1.23 -6.72	28.02 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.44 1.76 0.00	28.13 2.00 -1.04	73.15 2.01 -46.48	56.78 2.01 -30.23	64.92 1.97 -38.18	45.89 1.58 -23.41	26.82 1.41 -4.42	26.58 1.38 -4.35
PROJECT____ORANGE 1 24174	18.68 -0.09 0.00	17.24 -0.09 0.00	16.97 -0.10 0.00	16.83 -0.10 0.00	17.97 -0.12 0.00	18.59 -0.09 0.00	20.02 -0.02 0.00	22.88 -0.03 0.00	25.13 -0.01 0.00	22.71 -0.03 0.00	20.65 -0.08 0.00	21.44 -0.09 0.00	20.84 -0.12 0.00	21.50 -0.10 0.00	21.53 -0.13 0.00	22.16 -0.11 0.00	27.51 -0.17 0.00	24.97 -0.11 0.00	24.54 -0.12 0.00	24.37 -0.17 0.00	24.59 -0.18 0.00	20.74 -0.17 0.00	20.84 -0.15 0.00	20.74 -0.11 0.00
PROJECT____ORANGE 2 24166	18.68 -0.09 0.00	17.24 -0.09 0.00	16.97 -0.10 0.00	16.83 -0.10 0.00	17.97 -0.12 0.00	18.59 -0.09 0.00	20.02 -0.02 0.00	22.88 -0.03 0.00	25.13 -0.01 0.00	22.71 -0.03 0.00	20.65 -0.08 0.00	21.44 -0.09 0.00	20.84 -0.12 0.00	21.50 -0.10 0.00	21.53 -0.13 0.00	22.16 -0.11 0.00	27.51 -0.17 0.00	24.97 -0.11 0.00	24.54 -0.12 0.00	24.37 -0.17 0.00	24.59 -0.18 0.00	20.74 -0.17 0.00	20.84 -0.15 0.00	20.74 -0.11 0.00
PUCKETT____SOLAR 323809	19.17 0.39 0.00	17.67 0.33 0.00	17.39 0.32 0.00	17.24 0.31 0.00	18.42 0.33 0.00	19.10 0.42 0.00	20.60 0.56 0.00	23.55 0.64 0.00	25.83 0.70 0.00	23.41 0.67 0.00	21.38 0.65 0.00	22.20 0.66 0.00	21.54 0.57 0.00	22.27 0.66 0.00	22.30 0.64 0.00	23.01 0.74 0.00	28.57 0.88 0.00	26.04 0.95 0.00	25.55 0.89 0.00	25.36 0.82 0.00	25.59 0.82 0.00	21.56 0.65 0.00	21.58 0.59 0.00	21.44 0.59 0.00
PYRITES____HYD 24023	19.25 0.47 0.00	17.74 0.41 0.00	17.47 0.41 0.00	17.32 0.39 0.00	18.49 0.40 0.00	19.09 0.41 0.00	20.46 0.42 0.00	23.44 0.53 0.00	25.70 0.58 0.00	23.21 0.47 0.00	21.14 0.40 0.00	21.94 0.40 0.00	21.33 0.37 0.00	22.00 0.40 0.00	21.98 0.33 0.00	22.60 0.33 0.00	27.96 0.28 0.00	25.13 0.05 0.00	24.79 0.13 0.00	24.79 0.25 0.00	25.22 0.45 0.00	21.30 0.40 0.00	21.37 0.37 0.00	21.13 0.29 0.00
QUAKERRD_115KV_BK1 80622	18.22 -0.57 0.00	16.84 -0.50 0.00	16.57 -0.50 0.00	16.41 -0.52 0.00	17.49 -0.60 0.00	18.09 -0.59 0.00	19.54 -0.50 0.00	22.29 -0.62 0.00	24.60 -0.53 0.00	22.35 -0.40 0.00	20.36 -0.37 0.00	21.14 -0.40 0.00	20.43 -0.53 0.00	21.15 -0.45 0.00	21.12 -0.53 0.00	21.78 -0.49 0.00	26.96 -0.72 0.00	24.48 -0.61 0.00	24.07 -0.59 0.00	23.84 -0.70 0.00	24.03 -0.74 0.00	20.22 -0.69 0.00	20.26 -0.74 0.00	20.24 -0.61 0.00



QUENSBRY_I15KV_TB8 356137	20.24 1.46 0.00	18.68 1.35 0.00	18.39 1.32 0.00	18.26 1.33 0.00	19.62 1.52 0.00	20.27 1.59 0.00	21.72 1.68 0.00	24.83 1.92 0.00	27.06 1.93 0.00	24.51 1.77 0.00	22.41 1.67 0.00	23.19 1.65 0.00	22.59 1.63 0.00	23.09 1.49 0.00	23.35 1.69 0.00	23.96 1.69 0.00	30.05 2.37 0.00	27.31 2.23 0.00	26.91 2.25 0.00	26.97 2.44 0.00	27.29 2.52 0.00	23.03 2.13 0.00	22.91 1.92 0.00	22.65 1.80 0.00
RAMAPO____LBMP 323565	19.44 0.66 0.00	17.91 0.58 0.00	17.63 0.57 0.00	17.51 0.58 0.00	18.73 0.64 0.00	19.33 0.65 0.00	20.78 0.74 0.00	23.76 0.85 0.00	26.06 0.94 0.00	23.76 1.02 0.00	21.77 1.03 0.00	22.65 1.11 0.00	22.10 1.14 0.00	22.80 1.19 0.00	22.88 1.23 0.00	23.54 1.27 0.00	29.29 1.61 0.00	26.72 1.64 0.00	26.22 1.56 0.00	25.95 1.41 0.00	26.14 1.37 0.00	22.06 1.16 0.00	22.02 1.02 0.00	21.92 1.07 0.00
RANKINE____ 23646	18.74 -0.05 0.00	17.35 0.02 0.00	17.07 0.00 0.00	16.88 -0.05 0.00	17.94 -0.16 0.00	18.55 -0.13 0.00	20.09 0.05 0.00	22.80 -0.11 0.00	25.34 0.21 0.00	23.23 0.49 0.00	21.24 0.50 0.00	22.01 0.47 0.00	21.17 0.20 0.00	21.96 0.36 0.00	21.82 0.17 0.00	22.52 0.25 0.00	27.73 0.05 0.00	25.17 0.08 0.00	24.71 0.05 0.00	24.37 -0.17 0.00	24.55 -0.21 0.00	20.60 -0.31 0.00	20.56 -0.43 0.00	20.67 -0.17 0.00
RAVENSWOOD_GT2_1 24244	19.62 0.83 0.00	18.08 0.75 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.95 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.38 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD_GT2_2 24245	19.62 0.83 0.00	18.08 0.75 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.95 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.26 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.38 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD_GT2_3 24246	19.63 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.52 0.84 0.00	20.96 0.92 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.54 0.00	29.58 1.90 0.00	27.03 1.94 0.00	26.51 1.85 0.00	26.25 1.71 0.00	26.43 1.66 0.00	22.29 1.39 0.00	22.19 1.19 0.00	22.11 1.26 0.00
RAVENSWOOD_GT2_4 24247	19.63 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.68 0.75 0.00	18.90 0.81 0.00	19.52 0.84 0.00	20.96 0.92 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.01 1.28 0.00	22.90 1.36 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.54 0.00	29.58 1.90 0.00	27.03 1.94 0.00	26.51 1.85 0.00	26.25 1.71 0.00	26.43 1.66 0.00	22.29 1.39 0.00	22.19 1.19 0.00	22.11 1.26 0.00
RAVENSWOOD_GT3_1 24248	19.62 0.83 0.00	18.08 0.75 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD_GT3_2 24249	19.62 0.83 0.00	18.08 0.75 0.00	17.79 0.72 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.25 0.00	21.99 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD_GT3_3 24250	19.65 0.86 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.53 0.85 0.00	20.98 0.95 0.00	24.01 1.10 0.00	26.36 1.23 0.00	24.04 1.30 0.00	22.03 1.30 0.00	22.93 1.39 0.00	22.39 1.43 0.00	23.07 1.47 0.00	23.15 1.50 0.00	23.83 1.56 0.00	29.61 1.93 0.00	27.06 1.98 0.00	26.54 1.89 0.00	26.28 1.75 0.00	26.46 1.69 0.00	22.31 1.41 0.00	22.23 1.23 0.00	22.13 1.28 0.00
RAVENSWOOD_GT3_4 24251	19.64 0.86 0.00	18.10 0.76 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.92 0.83 0.00	19.54 0.85 0.00	20.98 0.94 0.00	24.01 1.10 0.00	26.36 1.23 0.00	24.04 1.30 0.00	22.03 1.30 0.00	22.93 1.39 0.00	22.38 1.43 0.00	23.08 1.47 0.00	23.15 1.50 0.00	23.83 1.56 0.00	29.61 1.94 0.00	27.06 1.98 0.00	26.54 1.89 0.00	26.28 1.74 0.00	26.46 1.69 0.00	22.31 1.41 0.00	22.21 1.21 0.00	22.13 1.28 0.00
RAVENSWOOD_GT_1 23729	19.63 0.85 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.69 0.76 0.00	18.91 0.82 0.00	19.53 0.84 0.00	20.98 0.94 0.00	24.01 1.10 0.00	26.37 1.24 0.00	24.05 1.31 0.00	22.05 1.32 0.00	22.94 1.40 0.00	22.41 1.45 0.00	23.10 1.50 0.00	23.18 1.53 0.00	23.85 1.58 0.00	29.64 1.96 0.00	27.08 2.00 0.00	26.56 1.90 0.00	26.31 1.77 0.00	26.48 1.71 0.00	22.33 1.42 0.00	22.21 1.22 0.00	22.13 1.29 0.00
RAVENSWOOD_GT_10 24258	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.67 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.26 0.00	22.00 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.19 1.20 0.00	22.10 1.25 0.00
RAVENSWOOD_GT_11 24259	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.25 0.00	22.00 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD_GT_4 24252	19.63 0.85 0.00	18.09 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.27 0.00	22.01 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.20 1.20 0.00	22.10 1.26 0.00



RAVENSWOOD_GT_5 24254	19.63 0.85 0.00	18.09 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.27 0.00	22.01 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.20 1.20 0.00	22.10 1.26 0.00
RAVENSWOOD_GT_6 24253	19.63 0.85 0.00	18.09 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.27 0.00	22.01 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.20 1.20 0.00	22.10 1.26 0.00
RAVENSWOOD_GT_7 24255	19.63 0.85 0.00	18.09 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.82 0.00	19.52 0.84 0.00	20.96 0.93 0.00	23.98 1.07 0.00	26.32 1.19 0.00	24.01 1.27 0.00	22.01 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.53 0.00	29.57 1.89 0.00	27.02 1.93 0.00	26.50 1.84 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.20 1.20 0.00	22.10 1.26 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.67 0.75 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.26 0.00	22.00 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.03 1.43 0.00	23.11 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.19 1.20 0.00	22.10 1.25 0.00
RAVENSWOOD_GT_9 24257	19.62 0.84 0.00	18.08 0.75 0.00	17.80 0.73 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.94 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.25 0.00	22.00 1.26 0.00	22.88 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.46 0.00	23.79 1.52 0.00	29.56 1.88 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.24 1.70 0.00	26.41 1.65 0.00	22.28 1.37 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD___1 23533	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.78 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	23.99 1.25 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.01 1.93 0.00	26.50 1.85 0.00	26.25 1.72 0.00	26.43 1.67 0.00	22.30 1.39 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD___2 23534	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.78 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	23.99 1.25 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.01 1.93 0.00	26.50 1.85 0.00	26.25 1.72 0.00	26.43 1.67 0.00	22.30 1.39 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RAVENSWOOD___3 23535	19.62 0.83 0.00	18.08 0.75 0.00	17.79 0.73 0.00	17.67 0.74 0.00	18.90 0.81 0.00	19.51 0.83 0.00	20.95 0.91 0.00	23.97 1.06 0.00	26.32 1.19 0.00	24.00 1.26 0.00	22.01 1.27 0.00	22.89 1.35 0.00	22.35 1.39 0.00	23.04 1.43 0.00	23.12 1.47 0.00	23.79 1.52 0.00	29.56 1.89 0.00	27.01 1.93 0.00	26.50 1.85 0.00	26.24 1.71 0.00	26.42 1.65 0.00	22.28 1.38 0.00	22.17 1.18 0.00	22.10 1.26 0.00
RAVENSWOOD___4 23820	19.59 0.81 0.00	18.05 0.71 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.78 0.00	19.49 0.81 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	23.99 1.25 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.05 1.44 0.00	23.13 1.48 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.01 1.93 0.00	26.50 1.85 0.00	26.25 1.72 0.00	26.43 1.67 0.00	22.30 1.39 0.00	22.17 1.18 0.00	22.10 1.25 0.00
RCPL_TRUST___DRP 24196	19.64 0.86 0.00	18.10 0.76 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.83 0.00	19.53 0.85 0.00	20.98 0.94 0.00	24.01 1.10 0.00	26.35 1.22 0.00	24.04 1.30 0.00	22.03 1.30 0.00	22.92 1.38 0.00	22.38 1.42 0.00	23.07 1.46 0.00	23.15 1.50 0.00	23.83 1.56 0.00	29.62 1.94 0.00	27.07 1.98 0.00	26.55 1.89 0.00	26.28 1.74 0.00	26.44 1.67 0.00	22.29 1.39 0.00	22.20 1.21 0.00	22.14 1.29 0.00
RED___ROCHESTER 323720	18.82 0.04 0.00	17.40 0.07 0.00	17.10 0.04 0.00	16.93 0.00 0.00	18.05 -0.04 0.00	18.66 -0.03 0.00	20.19 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.40 0.00	21.17 0.21 0.00	21.91 0.30 0.00	21.86 0.20 0.00	22.53 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.92 -0.07 0.00	20.86 0.01 0.00
REGAN___SOLAR 323812	20.69 1.91 0.00	19.02 1.69 0.00	18.72 1.66 0.00	18.56 1.63 0.00	19.82 1.73 0.00	20.56 1.88 0.00	22.08 2.05 0.00	25.27 2.36 0.00	27.65 2.52 0.00	24.99 2.25 0.00	22.55 1.82 0.00	23.02 1.48 0.00	22.56 1.59 0.00	22.98 1.38 0.00	23.22 1.56 0.00	24.37 2.10 0.00	30.08 2.41 0.00	27.12 2.04 0.00	26.88 2.22 0.00	26.91 2.37 0.00	27.24 2.47 0.00	22.98 2.08 0.00	23.00 2.00 0.00	23.03 2.18 0.00
RENSSELAER___COGEN 23796	19.07 0.29 0.00	17.63 0.30 0.00	17.38 0.32 0.00	17.25 0.32 0.00	18.46 0.37 0.00	19.04 0.36 0.00	20.32 0.29 0.00	23.27 0.36 0.00	25.47 0.34 0.00	23.10 0.36 0.00	21.11 0.37 0.00	21.91 0.37 0.00	21.37 0.41 0.00	22.00 0.39 0.00	22.09 0.43 0.00	22.62 0.35 0.00	28.20 0.53 0.00	25.70 0.61 0.00	25.26 0.60 0.00	25.20 0.66 0.00	25.44 0.67 0.00	21.48 0.57 0.00	21.40 0.40 0.00	21.31 0.46 0.00
REPUBLIC_115KV_BARTNBK 55605	21.34 2.56 0.00	19.66 2.33 0.00	19.38 2.31 0.00	19.23 2.30 0.00	20.66 2.57 0.00	21.37 2.69 0.00	22.85 2.81 0.00	26.14 3.23 0.00	28.26 3.13 0.00	25.64 2.89 0.00	23.50 2.76 0.00	24.39 2.86 0.00	23.81 2.85 0.00	24.14 2.53 0.00	24.41 2.76 0.00	25.12 2.85 0.00	31.47 3.79 0.00	28.53 3.44 0.00	28.20 3.55 0.00	28.40 3.87 0.00	28.79 4.02 0.00	24.33 3.42 0.00	24.15 3.15 0.00	23.89 3.04 0.00
REVERE_CPPR_DRP 24186	19.40 0.62 0.00	17.87 0.53 0.00	17.61 0.54 0.00	17.46 0.53 0.00	18.64 0.55 0.00	19.33 0.64 0.00	20.77 0.73 0.00	23.73 0.82 0.00	26.01 0.88 0.00	23.47 0.73 0.00	21.37 0.63 0.00	22.18 0.65 0.00	21.59 0.63 0.00	22.24 0.64 0.00	22.36 0.70 0.00	22.94 0.67 0.00	28.52 0.84 0.00	25.79 0.70 0.00	25.37 0.71 0.00	25.31 0.77 0.00	25.63 0.86 0.00	21.59 0.69 0.00	21.60 0.61 0.00	21.46 0.61 0.00



REYNOLDS_115KV_TB3 80639	19.23 0.45 0.00	17.78 0.44 0.00	17.53 0.47 0.00	17.40 0.47 0.00	18.63 0.54 0.00	19.21 0.53 0.00	20.49 0.45 0.00	23.47 0.56 0.00	25.65 0.52 0.00	23.29 0.55 0.00	21.28 0.54 0.00	22.09 0.56 0.00	21.54 0.58 0.00	22.16 0.55 0.00	22.26 0.61 0.00	22.78 0.51 0.00	28.41 0.73 0.00	25.87 0.79 0.00	25.45 0.79 0.00	25.41 0.87 0.00	25.65 0.88 0.00	21.66 0.75 0.00	21.58 0.58 0.00	21.45 0.60 0.00
RIVERBAY____ 323610	19.57 0.79 0.00	18.02 0.68 0.00	17.75 0.68 0.00	17.64 0.71 0.00	18.85 0.76 0.00	19.47 0.78 0.00	20.87 0.83 0.00	23.84 0.93 0.00	26.17 1.05 0.00	23.86 1.12 0.00	21.86 1.12 0.00	22.72 1.19 0.00	22.23 1.27 0.00	22.91 1.31 0.00	22.99 1.34 0.00	23.64 1.37 0.00	29.38 1.70 0.00	26.84 1.75 0.00	26.32 1.66 0.00	26.10 1.56 0.00	26.27 1.50 0.00	22.18 1.27 0.00	22.08 1.09 0.00	22.03 1.18 0.00
RIVERSDE_115KV_TB3 55908	19.16 0.38 0.00	17.71 0.37 0.00	17.46 0.39 0.00	17.33 0.40 0.00	18.56 0.46 0.00	19.13 0.44 0.00	20.41 0.38 0.00	23.38 0.47 0.00	25.58 0.45 0.00	23.21 0.47 0.00	21.21 0.47 0.00	22.02 0.48 0.00	21.48 0.51 0.00	22.10 0.49 0.00	22.20 0.54 0.00	22.73 0.46 0.00	28.33 0.65 0.00	25.81 0.72 0.00	25.37 0.71 0.00	25.32 0.79 0.00	25.56 0.79 0.00	21.58 0.68 0.00	21.50 0.51 0.00	21.39 0.54 0.00
ROARING____BROOK_WT_PWR 323790	18.68 -0.10 0.00	17.22 -0.11 0.00	16.98 -0.09 0.00	16.84 -0.09 0.00	17.99 -0.10 0.00	18.56 -0.13 0.00	19.87 -0.17 0.00	22.75 -0.16 0.00	24.98 -0.15 0.00	22.58 -0.16 0.00	20.58 -0.15 0.00	21.36 -0.18 0.00	20.79 -0.17 0.00	21.43 -0.18 0.00	21.48 -0.18 0.00	22.09 -0.18 0.00	27.44 -0.24 0.00	24.79 -0.30 0.00	24.35 -0.31 0.00	24.29 -0.25 0.00	24.53 -0.23 0.00	20.63 -0.28 0.00	20.73 -0.26 0.00	20.49 -0.36 0.00
ROCHESRG_115KV_T4 355643	18.64 -0.13 0.00	17.25 -0.08 0.00	16.97 -0.10 0.00	16.80 -0.13 0.00	17.90 -0.20 0.00	18.50 -0.18 0.00	19.99 -0.04 0.00	22.78 -0.13 0.00	25.18 0.05 0.00	22.92 0.18 0.00	20.89 0.15 0.00	21.69 0.16 0.00	20.94 -0.02 0.00	21.67 0.06 0.00	21.61 -0.04 0.00	22.29 0.02 0.00	27.55 -0.13 0.00	25.01 -0.07 0.00	24.60 -0.06 0.00	24.33 -0.21 0.00	24.53 -0.24 0.00	20.63 -0.28 0.00	20.65 -0.34 0.00	20.65 -0.19 0.00
ROCHESTER_9_IC 23652	18.74 -0.04 0.00	17.33 0.00 0.00	17.04 -0.02 0.00	16.87 -0.06 0.00	17.98 -0.11 0.00	18.59 -0.09 0.00	20.09 0.06 0.00	22.91 0.00 0.00	25.32 0.19 0.00	23.04 0.30 0.00	21.01 0.28 0.00	21.83 0.30 0.00	21.06 0.10 0.00	21.80 0.19 0.00	21.75 0.09 0.00	22.42 0.15 0.00	27.72 0.04 0.00	25.17 0.09 0.00	24.75 0.09 0.00	24.48 -0.05 0.00	24.68 -0.09 0.00	20.75 -0.16 0.00	20.77 -0.22 0.00	20.76 -0.08 0.00
ROCKVIEW_13_KV_LD 356306	19.63 0.85 0.00	18.09 0.75 0.00	17.80 0.74 0.00	17.68 0.75 0.00	18.91 0.81 0.00	19.52 0.84 0.00	20.97 0.93 0.00	23.99 1.08 0.00	26.33 1.20 0.00	24.01 1.27 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.34 1.38 0.00	23.03 1.42 0.00	23.11 1.45 0.00	23.78 1.51 0.00	29.57 1.89 0.00	27.01 1.93 0.00	26.50 1.84 0.00	26.25 1.72 0.00	26.43 1.67 0.00	22.30 1.39 0.00	22.22 1.22 0.00	22.12 1.27 0.00
ROME____115KV_TB2 80656	19.40 0.62 0.00	17.87 0.53 0.00	17.61 0.54 0.00	17.46 0.53 0.00	18.64 0.55 0.00	19.33 0.64 0.00	20.77 0.73 0.00	23.73 0.82 0.00	26.01 0.88 0.00	23.47 0.73 0.00	21.37 0.63 0.00	22.18 0.65 0.00	21.59 0.63 0.00	22.24 0.64 0.00	22.36 0.70 0.00	22.94 0.67 0.00	28.52 0.84 0.00	25.79 0.70 0.00	25.37 0.71 0.00	25.31 0.77 0.00	25.63 0.86 0.00	21.59 0.69 0.00	21.60 0.61 0.00	21.46 0.61 0.00
ROSETON____1 23587	19.45 0.67 0.00	17.93 0.59 0.00	17.65 0.58 0.00	17.52 0.60 0.00	18.74 0.65 0.00	19.35 0.67 0.00	20.78 0.74 0.00	23.76 0.85 0.00	26.04 0.91 0.00	23.72 0.98 0.00	21.72 0.98 0.00	22.59 1.05 0.00	22.04 1.08 0.00	22.71 1.11 0.00	22.79 1.14 0.00	23.43 1.16 0.00	29.15 1.47 0.00	26.60 1.51 0.00	26.11 1.45 0.00	25.90 1.36 0.00	26.09 1.32 0.00	22.03 1.12 0.00	21.98 0.98 0.00	21.88 1.04 0.00
ROSETON____2 23588	19.45 0.67 0.00	17.93 0.59 0.00	17.65 0.58 0.00	17.52 0.60 0.00	18.74 0.65 0.00	19.35 0.67 0.00	20.78 0.74 0.00	23.76 0.85 0.00	26.04 0.91 0.00	23.72 0.98 0.00	21.72 0.98 0.00	22.59 1.05 0.00	22.04 1.08 0.00	22.71 1.11 0.00	22.79 1.14 0.00	23.43 1.16 0.00	29.15 1.47 0.00	26.60 1.51 0.00	26.11 1.45 0.00	25.90 1.36 0.00	26.09 1.32 0.00	22.03 1.12 0.00	21.98 0.98 0.00	21.88 1.04 0.00
ROTTDAM_115KV_TB3 80664	19.48 0.70 0.00	17.98 0.64 0.00	17.71 0.64 0.00	17.58 0.65 0.00	18.81 0.71 0.00	19.42 0.73 0.00	20.79 0.76 0.00	23.78 0.87 0.00	26.01 0.88 0.00	23.59 0.85 0.00	21.54 0.80 0.00	22.36 0.82 0.00	21.78 0.82 0.00	22.41 0.80 0.00	22.51 0.86 0.00	23.12 0.85 0.00	28.83 1.15 0.00	26.22 1.14 0.00	25.77 1.11 0.00	25.70 1.16 0.00	25.95 1.18 0.00	21.90 1.00 0.00	21.86 0.87 0.00	21.73 0.88 0.00
RUSSELL____1 23602	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00
RUSSELL____2 23532	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00
RUSSELL____3 23549	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00
RUSSELL____4 23556	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00



RUSSELL___STATION 23914	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00
S SALMON___HYD 24043	18.83 0.05 0.00	17.37 0.03 0.00	17.11 0.04 0.00	16.96 0.03 0.00	18.13 0.04 0.00	18.76 0.08 0.00	20.21 0.18 0.00	23.08 0.17 0.00	25.26 0.12 0.00	22.71 -0.03 0.00	20.60 -0.14 0.00	21.49 -0.04 0.00	20.84 -0.12 0.00	21.45 -0.15 0.00	21.49 -0.16 0.00	22.07 -0.20 0.00	27.45 -0.23 0.00	24.95 -0.14 0.00	24.53 -0.13 0.00	24.43 -0.11 0.00	24.72 -0.04 0.00	20.89 -0.02 0.00	20.96 -0.03 0.00	20.79 -0.06 0.00
S.PERRY___115KV_TB1 80734	19.27 0.49 0.00	17.78 0.44 0.00	17.49 0.43 0.00	17.32 0.39 0.00	18.46 0.36 0.00	19.11 0.43 0.00	20.71 0.67 0.00	23.62 0.71 0.00	26.02 0.89 0.00	23.48 0.73 0.00	21.42 0.68 0.00	22.30 0.76 0.00	21.43 0.47 0.00	22.26 0.66 0.00	22.13 0.48 0.00	22.87 0.60 0.00	28.20 0.52 0.00	25.74 0.65 0.00	25.39 0.73 0.00	25.15 0.61 0.00	25.54 0.77 0.00	21.45 0.54 0.00	21.39 0.40 0.00	21.30 0.46 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	18.59 -0.19 0.00	17.22 -0.11 0.00	16.95 -0.12 0.00	16.76 -0.17 0.00	17.80 -0.29 0.00	18.40 -0.29 0.00	19.91 -0.13 0.00	22.58 -0.33 0.00	25.09 -0.04 0.00	23.01 0.27 0.00	21.02 0.29 0.00	21.79 0.25 0.00	20.95 -0.01 0.00	21.73 0.12 0.00	21.61 -0.05 0.00	22.30 0.03 0.00	27.46 -0.22 0.00	24.91 -0.17 0.00	24.47 -0.19 0.00	24.13 -0.41 0.00	24.30 -0.47 0.00	20.39 -0.52 0.00	20.36 -0.63 0.00	20.51 -0.33 0.00
SAWYER___23_KV_LOAD 55526	18.59 -0.19 0.00	17.22 -0.11 0.00	16.95 -0.12 0.00	16.76 -0.17 0.00	17.80 -0.29 0.00	18.40 -0.29 0.00	19.91 -0.13 0.00	22.58 -0.33 0.00	25.09 -0.04 0.00	23.01 0.27 0.00	21.02 0.29 0.00	21.79 0.25 0.00	20.95 -0.01 0.00	21.73 0.12 0.00	21.61 -0.05 0.00	22.30 0.03 0.00	27.46 -0.22 0.00	24.91 -0.17 0.00	24.47 -0.19 0.00	24.13 -0.41 0.00	24.30 -0.47 0.00	20.39 -0.52 0.00	20.36 -0.63 0.00	20.51 -0.33 0.00
SELKIRK___I 23801	19.29 0.51 0.00	17.84 0.50 0.00	17.58 0.51 0.00	17.45 0.52 0.00	18.67 0.58 0.00	19.27 0.59 0.00	20.59 0.55 0.00	23.55 0.64 0.00	25.77 0.64 0.00	23.36 0.61 0.00	21.32 0.59 0.00	22.10 0.56 0.00	21.54 0.58 0.00	22.21 0.61 0.00	22.29 0.64 0.00	22.84 0.57 0.00	28.47 0.79 0.00	25.94 0.85 0.00	25.49 0.83 0.00	25.43 0.89 0.00	25.68 0.91 0.00	21.68 0.78 0.00	21.61 0.62 0.00	21.50 0.65 0.00
SELKIRK___II 23799	19.16 0.38 0.00	17.70 0.37 0.00	17.45 0.38 0.00	17.32 0.39 0.00	18.53 0.44 0.00	19.12 0.44 0.00	20.44 0.40 0.00	23.39 0.48 0.00	25.59 0.46 0.00	23.22 0.48 0.00	21.21 0.47 0.00	22.01 0.47 0.00	21.47 0.51 0.00	22.11 0.51 0.00	22.19 0.54 0.00	22.75 0.48 0.00	28.34 0.66 0.00	25.82 0.74 0.00	25.38 0.72 0.00	25.30 0.76 0.00	25.54 0.77 0.00	21.56 0.66 0.00	21.50 0.50 0.00	21.39 0.54 0.00
SENECA OSWGO___HYD 24041	18.58 -0.20 0.00	17.15 -0.18 0.00	16.88 -0.18 0.00	16.74 -0.19 0.00	17.89 -0.20 0.00	18.50 -0.19 0.00	19.92 -0.12 0.00	22.76 -0.16 0.00	24.94 -0.19 0.00	22.51 -0.23 0.00	20.44 -0.29 0.00	21.25 -0.29 0.00	20.65 -0.31 0.00	21.28 -0.33 0.00	21.33 -0.32 0.00	21.95 -0.32 0.00	27.27 -0.41 0.00	24.78 -0.31 0.00	24.36 -0.31 0.00	24.20 -0.34 0.00	24.42 -0.35 0.00	20.62 -0.29 0.00	20.74 -0.25 0.00	20.64 -0.21 0.00
SENECA___115KV_TB3 355854	18.76 -0.02 0.00	17.38 0.04 0.00	17.09 0.02 0.00	16.91 -0.02 0.00	17.96 -0.14 0.00	18.58 -0.10 0.00	20.11 0.08 0.00	22.83 -0.08 0.00	25.38 0.25 0.00	23.26 0.52 0.00	21.27 0.53 0.00	22.04 0.51 0.00	21.20 0.24 0.00	22.00 0.39 0.00	21.86 0.20 0.00	22.55 0.28 0.00	27.77 0.09 0.00	25.21 0.12 0.00	24.75 0.09 0.00	24.40 -0.14 0.00	24.59 -0.18 0.00	20.63 -0.28 0.00	20.60 -0.39 0.00	20.70 -0.14 0.00
SENECA___ENERGY 23797	18.69 -0.09 0.00	17.23 -0.10 0.00	16.96 -0.10 0.00	16.81 -0.12 0.00	17.95 -0.15 0.00	18.58 -0.10 0.00	20.09 0.05 0.00	22.98 0.07 0.00	25.30 0.17 0.00	22.89 0.15 0.00	20.88 0.14 0.00	21.67 0.13 0.00	20.96 0.00 0.00	21.70 0.09 0.00	21.66 0.00 0.00	22.33 0.06 0.00	27.68 0.00 0.00	25.15 0.06 0.00	24.75 0.09 0.00	24.54 0.00 0.00	24.77 0.00 0.00	20.86 -0.05 0.00	20.91 -0.08 0.00	20.76 -0.08 0.00
SHOEMAKER___GT 23640	19.37 0.58 0.00	17.85 0.52 0.00	17.57 0.51 0.00	17.45 0.52 0.00	18.66 0.57 0.00	19.27 0.59 0.00	20.73 0.69 0.00	23.71 0.80 0.00	25.98 0.85 0.00	23.62 0.88 0.00	21.61 0.87 0.00	22.47 0.93 0.00	21.91 0.95 0.00	22.58 0.97 0.00	22.65 1.00 0.00	23.30 1.03 0.00	28.98 1.30 0.00	26.44 1.36 0.00	25.97 1.31 0.00	25.78 1.24 0.00	25.99 1.22 0.00	21.94 1.03 0.00	21.96 0.97 0.00	21.84 1.00 0.00
SHOEMAKR_138KV_BK 111 55601	19.36 0.58 0.00	17.84 0.51 0.00	17.57 0.50 0.00	17.44 0.51 0.00	18.65 0.56 0.00	19.26 0.58 0.00	20.71 0.67 0.00	23.68 0.77 0.00	25.95 0.82 0.00	23.61 0.87 0.00	21.61 0.87 0.00	22.46 0.92 0.00	21.91 0.95 0.00	22.58 0.98 0.00	22.65 1.00 0.00	23.30 1.03 0.00	28.98 1.30 0.00	26.43 1.35 0.00	25.96 1.30 0.00	25.76 1.22 0.00	25.97 1.20 0.00	21.92 1.01 0.00	21.94 0.95 0.00	21.83 0.98 0.00
SHOREHAM_IC_1 23715	19.80 0.94 -0.07	18.76 0.96 -0.46	18.05 0.99 0.00	17.93 1.00 0.00	19.34 1.12 -0.13	20.20 1.10 -0.42	21.84 1.14 -0.66	24.02 1.10 0.00	26.35 1.22 0.00	24.61 1.27 -0.60	27.69 1.26 -5.70	29.49 1.23 -6.72	28.02 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.44 1.76 0.00	28.13 2.00 -1.04	73.15 2.01 -46.48	56.78 2.01 -30.23	64.92 1.97 -38.18	45.89 1.58 -23.41	26.82 1.41 -4.42	26.58 1.38 -4.35
SHOREHAM_IC_2 23716	19.80 0.94 -0.07	18.76 0.96 -0.46	18.05 0.99 0.00	17.93 1.00 0.00	19.34 1.12 -0.13	20.20 1.10 -0.42	21.84 1.14 -0.66	24.02 1.10 0.00	26.35 1.22 0.00	24.61 1.27 -0.60	27.69 1.26 -5.70	29.49 1.23 -6.72	28.02 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.44 1.76 0.00	28.13 2.00 -1.04	73.15 2.01 -46.48	56.78 2.01 -30.23	64.92 1.97 -38.18	45.89 1.58 -23.41	26.82 1.41 -4.42	26.58 1.38 -4.35
SISSONVILLE___ 23735	19.06 0.28 0.00	17.58 0.24 0.00	17.32 0.25 0.00	17.17 0.24 0.00	18.32 0.23 0.00	18.91 0.22 0.00	20.24 0.20 0.00	23.21 0.30 0.00	25.47 0.34 0.00	22.96 0.22 0.00	20.90 0.17 0.00	21.72 0.18 0.00	21.13 0.17 0.00	21.77 0.16 0.00	21.79 0.14 0.00	22.39 0.12 0.00	27.66 -0.01 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.43 -0.11 0.00	24.89 0.12 0.00	21.04 0.13 0.00	21.12 0.13 0.00	20.88 0.03 0.00



SITHE_IND_GS1 24169	18.36 -0.42 0.00	16.95 -0.38 0.00	16.68 -0.38 0.00	16.54 -0.39 0.00	17.68 -0.42 0.00	18.26 -0.42 0.00	19.64 -0.40 0.00	22.45 -0.46 0.00	24.62 -0.51 0.00	22.22 -0.53 0.00	20.16 -0.58 0.00	20.93 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.63 0.00	21.02 -0.64 0.00	21.63 -0.64 0.00	26.87 -0.81 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.82 -0.72 0.00	24.03 -0.73 0.00	20.29 -0.62 0.00	20.45 -0.54 0.00	20.35 -0.50 0.00
SITHE_IND_GS2 24170	18.36 -0.42 0.00	16.95 -0.38 0.00	16.68 -0.38 0.00	16.54 -0.39 0.00	17.68 -0.42 0.00	18.26 -0.42 0.00	19.64 -0.40 0.00	22.45 -0.46 0.00	24.62 -0.51 0.00	22.22 -0.53 0.00	20.16 -0.58 0.00	20.93 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.63 0.00	21.02 -0.64 0.00	21.63 -0.64 0.00	26.87 -0.81 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.82 -0.72 0.00	24.03 -0.73 0.00	20.29 -0.62 0.00	20.45 -0.54 0.00	20.35 -0.50 0.00
SITHE_IND_GS3 24171	18.36 -0.42 0.00	16.95 -0.38 0.00	16.68 -0.38 0.00	16.54 -0.39 0.00	17.68 -0.42 0.00	18.26 -0.42 0.00	19.64 -0.40 0.00	22.45 -0.46 0.00	24.62 -0.51 0.00	22.22 -0.53 0.00	20.16 -0.58 0.00	20.93 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.63 0.00	21.02 -0.64 0.00	21.63 -0.64 0.00	26.87 -0.81 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.82 -0.72 0.00	24.03 -0.73 0.00	20.29 -0.62 0.00	20.45 -0.54 0.00	20.35 -0.50 0.00
SITHE_IND_GS4 24172	18.36 -0.42 0.00	16.95 -0.38 0.00	16.68 -0.38 0.00	16.54 -0.39 0.00	17.68 -0.42 0.00	18.26 -0.42 0.00	19.64 -0.40 0.00	22.45 -0.46 0.00	24.62 -0.51 0.00	22.22 -0.53 0.00	20.16 -0.58 0.00	20.93 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.63 0.00	21.02 -0.64 0.00	21.63 -0.64 0.00	26.87 -0.81 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.82 -0.72 0.00	24.03 -0.73 0.00	20.29 -0.62 0.00	20.45 -0.54 0.00	20.35 -0.50 0.00
SITHE___BATAVIA 24024	18.96 0.18 0.00	17.54 0.21 0.00	17.25 0.18 0.00	17.05 0.12 0.00	18.15 0.06 0.00	18.77 0.09 0.00	20.34 0.31 0.00	23.12 0.21 0.00	25.59 0.46 0.00	23.37 0.63 0.00	21.36 0.63 0.00	22.25 0.71 0.00	21.45 0.48 0.00	22.16 0.56 0.00	22.01 0.36 0.00	22.61 0.34 0.00	27.93 0.25 0.00	25.41 0.33 0.00	24.94 0.28 0.00	24.70 0.17 0.00	24.90 0.13 0.00	20.90 0.00 0.00	20.91 -0.08 0.00	20.98 0.13 0.00
SITHE___INDEPEND 23800	18.36 -0.42 0.00	16.95 -0.38 0.00	16.68 -0.38 0.00	16.54 -0.39 0.00	17.68 -0.42 0.00	18.26 -0.42 0.00	19.64 -0.40 0.00	22.45 -0.47 0.00	24.62 -0.51 0.00	22.22 -0.53 0.00	20.16 -0.58 0.00	20.93 -0.60 0.00	20.35 -0.61 0.00	20.98 -0.63 0.00	21.02 -0.64 0.00	21.63 -0.63 0.00	26.87 -0.81 0.00	24.39 -0.70 0.00	23.97 -0.69 0.00	23.82 -0.72 0.00	24.03 -0.73 0.00	20.29 -0.62 0.00	20.44 -0.55 0.00	20.35 -0.50 0.00
SITHE___MASSENA 23902	18.88 0.09 0.00	17.42 0.09 0.00	17.15 0.09 0.00	17.00 0.07 0.00	18.15 0.06 0.00	18.72 0.03 0.00	20.01 -0.02 0.00	22.93 0.02 0.00	25.18 0.05 0.00	22.74 0.00 0.00	20.73 0.00 0.00	21.51 -0.03 0.00	20.94 -0.02 0.00	21.58 -0.02 0.00	21.61 -0.04 0.00	22.23 -0.03 0.00	27.57 -0.11 0.00	24.82 -0.27 0.00	24.42 -0.24 0.00	24.38 -0.16 0.00	24.68 -0.08 0.00	20.83 -0.07 0.00	20.94 -0.05 0.00	20.75 -0.10 0.00
SITHE___OGDNSBRG 24021	19.16 0.38 0.00	17.67 0.33 0.00	17.41 0.34 0.00	17.25 0.33 0.00	18.42 0.32 0.00	19.01 0.33 0.00	20.37 0.33 0.00	23.34 0.43 0.00	25.59 0.46 0.00	23.12 0.38 0.00	21.07 0.33 0.00	21.84 0.30 0.00	21.24 0.28 0.00	21.90 0.29 0.00	21.90 0.24 0.00	22.52 0.25 0.00	27.91 0.23 0.00	25.09 0.01 0.00	24.75 0.09 0.00	24.74 0.20 0.00	25.14 0.37 0.00	21.22 0.31 0.00	21.30 0.31 0.00	21.05 0.20 0.00
SITHE___STERLING 23777	19.23 0.45 0.00	17.73 0.39 0.00	17.45 0.38 0.00	17.30 0.37 0.00	18.48 0.39 0.00	19.15 0.46 0.00	20.58 0.55 0.00	23.53 0.62 0.00	25.80 0.67 0.00	23.31 0.56 0.00	21.23 0.49 0.00	22.02 0.48 0.00	21.45 0.49 0.00	22.07 0.46 0.00	22.16 0.50 0.00	22.77 0.50 0.00	28.33 0.65 0.00	25.63 0.55 0.00	25.22 0.56 0.00	25.12 0.58 0.00	25.41 0.64 0.00	21.42 0.51 0.00	21.46 0.46 0.00	21.32 0.47 0.00
SLEIGHT__34_KV_TB1 80719	18.96 0.18 0.00	17.48 0.15 0.00	17.20 0.13 0.00	17.05 0.11 0.00	18.20 0.10 0.00	18.86 0.18 0.00	20.39 0.36 0.00	23.31 0.40 0.00	25.66 0.53 0.00	23.22 0.48 0.00	21.15 0.41 0.00	21.95 0.41 0.00	21.27 0.31 0.00	22.00 0.39 0.00	21.99 0.34 0.00	22.66 0.39 0.00	28.12 0.44 0.00	25.52 0.43 0.00	25.11 0.45 0.00	24.90 0.37 0.00	25.12 0.35 0.00	21.16 0.25 0.00	21.18 0.19 0.00	21.07 0.22 0.00
SOUTH CAIRO___GT 23612	19.72 0.94 0.00	18.22 0.88 0.00	17.96 0.89 0.00	17.82 0.90 0.00	19.10 1.01 0.00	19.73 1.05 0.00	21.12 1.09 0.00	24.20 1.29 0.00	26.45 1.32 0.00	23.93 1.19 0.00	21.79 1.06 0.00	22.41 0.87 0.00	21.91 0.95 0.00	22.67 1.07 0.00	22.72 1.07 0.00	23.16 0.90 0.00	28.99 1.31 0.00	26.69 1.61 0.00	26.19 1.54 0.00	26.11 1.58 0.00	26.48 1.72 0.00	22.37 1.46 0.00	22.21 1.21 0.00	22.04 1.19 0.00
SOUTH HAMPTN___IC 23720	20.20 1.34 -0.07	19.14 1.34 -0.46	18.41 1.34 0.00	18.29 1.36 0.00	19.74 1.51 -0.13	20.63 1.53 -0.42	22.37 1.67 -0.66	24.65 1.74 0.00	27.06 1.94 0.00	25.29 1.95 -0.60	28.32 1.88 -5.70	30.16 1.90 -6.72	28.65 1.83 -5.86	26.61 1.82 -3.18	34.07 1.89 -10.52	26.48 2.06 -2.16	30.30 2.62 0.00	28.92 2.79 -1.04	73.93 2.79 -46.48	57.54 2.78 -30.23	65.68 2.74 -38.18	46.51 2.20 -23.41	27.42 2.01 -4.42	27.09 1.90 -4.35
SOUTHDOW__115KV_TB1 355954	19.50 0.72 0.00	17.99 0.66 0.00	17.70 0.63 0.00	17.52 0.59 0.00	18.63 0.53 0.00	19.35 0.67 0.00	20.99 0.96 0.00	23.85 0.94 0.00	26.39 1.26 0.00	24.20 1.46 0.00	22.17 1.44 0.00	22.94 1.41 0.00	22.08 1.12 0.00	22.95 1.34 0.00	22.71 1.05 0.00	23.44 1.17 0.00	28.93 1.25 0.00	26.32 1.23 0.00	25.71 1.05 0.00	25.24 0.71 0.00	25.40 0.63 0.00	21.30 0.40 0.00	21.18 0.19 0.00	21.12 0.27 0.00
SOUTHOLD_69_KV_BK 2 55809	20.45 1.60 -0.07	19.40 1.60 -0.46	18.63 1.57 0.00	18.50 1.58 0.00	20.00 1.77 -0.13	20.87 1.77 -0.42	22.68 1.98 -0.66	25.04 2.13 0.00	27.49 2.37 0.00	25.69 2.36 -0.60	28.70 2.26 -5.70	30.55 2.29 -6.72	29.01 2.20 -5.86	26.97 2.18 -3.18	34.44 2.26 -10.52	26.86 2.44 -2.16	30.80 3.12 0.00	29.40 3.27 -1.04	74.40 3.26 -46.48	58.02 3.25 -30.23	66.16 3.21 -38.18	46.91 2.60 -23.41	27.80 2.39 -4.42	27.40 2.20 -4.35
SOUTHOLD___IC 23719	20.44 1.58 -0.07	19.37 1.57 -0.46	18.63 1.56 0.00	18.52 1.59 0.00	19.99 1.77 -0.13	20.89 1.79 -0.42	22.69 1.99 -0.66	25.04 2.13 0.00	27.49 2.37 0.00	25.69 2.36 -0.60	28.70 2.26 -5.70	30.55 2.29 -6.72	29.00 2.18 -5.86	26.97 2.18 -3.18	34.44 2.26 -10.52	26.86 2.44 -2.16	30.80 3.12 0.00	29.40 3.27 -1.04	74.40 3.26 -46.48	58.02 3.25 -30.23	66.16 3.21 -38.18	46.91 2.59 -23.41	27.79 2.38 -4.42	27.40 2.21 -4.35



SPIERFLS_115KV_TB1 80737	20.13 1.35 0.00	18.57 1.24 0.00	18.29 1.22 0.00	18.15 1.22 0.00	19.49 1.39 0.00	20.14 1.46 0.00	21.58 1.54 0.00	24.66 1.75 0.00	26.90 1.77 0.00	24.37 1.62 0.00	22.27 1.53 0.00	23.03 1.49 0.00	22.43 1.47 0.00	22.92 1.32 0.00	23.20 1.55 0.00	23.80 1.53 0.00	29.87 2.19 0.00	27.16 2.07 0.00	26.74 2.09 0.00	26.78 2.25 0.00	27.09 2.32 0.00	22.86 1.95 0.00	22.74 1.75 0.00	22.51 1.66 0.00
ST LAWRENCE____ 23600	18.62 -0.16 0.00	17.18 -0.16 0.00	16.92 -0.15 0.00	16.77 -0.16 0.00	17.91 -0.18 0.00	18.46 -0.22 0.00	19.74 -0.30 0.00	22.61 -0.30 0.00	24.84 -0.29 0.00	22.43 -0.31 0.00	20.46 -0.28 0.00	21.23 -0.30 0.00	20.67 -0.29 0.00	21.30 -0.30 0.00	21.34 -0.31 0.00	21.95 -0.32 0.00	27.25 -0.43 0.00	24.55 -0.54 0.00	24.15 -0.51 0.00	24.10 -0.44 0.00	24.36 -0.40 0.00	20.56 -0.35 0.00	20.68 -0.32 0.00	20.48 -0.37 0.00
STATE_CA_115KV_115_LB 55624	19.17 0.39 0.00	17.71 0.38 0.00	17.47 0.40 0.00	17.34 0.41 0.00	18.56 0.46 0.00	19.13 0.45 0.00	20.43 0.40 0.00	23.40 0.49 0.00	25.61 0.48 0.00	23.24 0.49 0.00	21.23 0.49 0.00	22.05 0.51 0.00	21.50 0.54 0.00	22.13 0.53 0.00	22.22 0.57 0.00	22.77 0.50 0.00	28.39 0.71 0.00	25.85 0.77 0.00	25.40 0.75 0.00	25.35 0.81 0.00	25.59 0.82 0.00	21.60 0.69 0.00	21.52 0.53 0.00	21.42 0.57 0.00
STATE_ST_34_KV_LOAD 55959	18.89 0.11 0.00	17.46 0.13 0.00	17.16 0.09 0.00	17.01 0.09 0.00	18.22 0.12 0.00	18.83 0.15 0.00	20.41 0.38 0.00	23.35 0.45 0.00	25.65 0.52 0.00	23.18 0.44 0.00	21.09 0.35 0.00	21.87 0.34 0.00	21.23 0.27 0.00	21.95 0.34 0.00	21.97 0.31 0.00	22.61 0.34 0.00	28.07 0.38 0.00	25.50 0.41 0.00	25.08 0.42 0.00	24.89 0.35 0.00	25.13 0.36 0.00	21.19 0.28 0.00	21.25 0.25 0.00	20.99 0.14 0.00
STATION 5_MISC_HYD 23604	18.74 -0.04 0.00	17.33 0.00 0.00	17.04 -0.02 0.00	16.87 -0.06 0.00	17.98 -0.11 0.00	18.58 -0.10 0.00	20.10 0.06 0.00	22.91 0.00 0.00	25.32 0.19 0.00	23.05 0.30 0.00	21.01 0.28 0.00	21.83 0.29 0.00	21.07 0.10 0.00	21.80 0.19 0.00	21.74 0.09 0.00	22.42 0.15 0.00	27.72 0.04 0.00	25.17 0.09 0.00	24.75 0.09 0.00	24.49 -0.05 0.00	24.68 -0.09 0.00	20.76 -0.15 0.00	20.81 -0.18 0.00	20.77 -0.08 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	18.79 0.00 0.00	17.34 0.01 0.00	17.06 -0.01 0.00	16.90 -0.03 0.00	18.03 -0.07 0.00	18.67 -0.01 0.00	20.18 0.14 0.00	23.03 0.12 0.00	25.41 0.29 0.00	23.09 0.35 0.00	21.04 0.31 0.00	21.85 0.31 0.00	21.13 0.17 0.00	21.88 0.27 0.00	21.84 0.18 0.00	22.52 0.25 0.00	27.87 0.19 0.00	25.29 0.20 0.00	24.88 0.22 0.00	24.63 0.09 0.00	24.83 0.07 0.00	20.90 -0.01 0.00	20.91 -0.08 0.00	20.86 0.01 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	18.61 -0.17 0.00	17.21 -0.12 0.00	16.92 -0.15 0.00	16.76 -0.17 0.00	17.86 -0.23 0.00	18.46 -0.22 0.00	19.96 -0.07 0.00	22.77 -0.13 0.00	25.17 0.04 0.00	22.88 0.14 0.00	20.86 0.12 0.00	21.67 0.13 0.00	20.92 -0.04 0.00	21.66 0.05 0.00	21.61 -0.04 0.00	22.29 0.02 0.00	27.55 -0.13 0.00	25.05 -0.04 0.00	24.62 -0.04 0.00	24.36 -0.18 0.00	24.55 -0.22 0.00	20.65 -0.26 0.00	20.67 -0.33 0.00	20.64 -0.21 0.00
STA_56____34_KV_BUS2 355983	18.61 -0.17 0.00	17.21 -0.12 0.00	16.92 -0.15 0.00	16.76 -0.17 0.00	17.86 -0.23 0.00	18.46 -0.22 0.00	19.96 -0.07 0.00	22.77 -0.13 0.00	25.17 0.04 0.00	22.88 0.14 0.00	20.86 0.12 0.00	21.67 0.13 0.00	20.92 -0.04 0.00	21.66 0.05 0.00	21.61 -0.04 0.00	22.29 0.02 0.00	27.55 -0.13 0.00	25.05 -0.04 0.00	24.62 -0.04 0.00	24.36 -0.18 0.00	24.55 -0.22 0.00	20.65 -0.26 0.00	20.67 -0.33 0.00	20.64 -0.21 0.00
STA_67____115KV_BK2 355882	18.70 -0.08 0.00	17.30 -0.03 0.00	17.02 -0.05 0.00	16.85 -0.08 0.00	17.95 -0.14 0.00	18.55 -0.13 0.00	20.06 0.02 0.00	22.87 -0.04 0.00	25.27 0.14 0.00	23.00 0.26 0.00	20.97 0.23 0.00	21.78 0.24 0.00	21.02 0.06 0.00	21.75 0.14 0.00	21.70 0.04 0.00	22.38 0.11 0.00	27.65 -0.03 0.00	25.11 0.03 0.00	24.69 0.04 0.00	24.42 -0.11 0.00	24.63 -0.14 0.00	20.71 -0.20 0.00	20.73 -0.27 0.00	20.72 -0.12 0.00
STA_7____115KV_9TRANS 80674	18.81 0.03 0.00	17.40 0.07 0.00	17.11 0.04 0.00	16.93 0.00 0.00	18.05 -0.05 0.00	18.66 -0.02 0.00	20.18 0.15 0.00	23.01 0.10 0.00	25.45 0.32 0.00	23.16 0.41 0.00	21.12 0.38 0.00	21.94 0.41 0.00	21.17 0.21 0.00	21.91 0.31 0.00	21.86 0.20 0.00	22.54 0.27 0.00	27.86 0.18 0.00	25.31 0.22 0.00	24.89 0.23 0.00	24.62 0.08 0.00	24.82 0.05 0.00	20.87 -0.04 0.00	20.88 -0.12 0.00	20.85 0.00 0.00
STA_82____115KV_TB1 80780	18.71 -0.07 0.00	17.31 -0.02 0.00	17.02 -0.05 0.00	16.85 -0.08 0.00	17.96 -0.14 0.00	18.57 -0.12 0.00	20.07 0.04 0.00	22.88 -0.03 0.00	25.29 0.16 0.00	23.02 0.27 0.00	20.98 0.25 0.00	21.79 0.25 0.00	21.04 0.08 0.00	21.77 0.16 0.00	21.71 0.06 0.00	22.39 0.12 0.00	27.67 -0.01 0.00	25.13 0.05 0.00	24.72 0.05 0.00	24.44 -0.09 0.00	24.64 -0.12 0.00	20.72 -0.19 0.00	20.74 -0.25 0.00	20.73 -0.11 0.00
STEEL____WIND 323596	18.76 -0.02 0.00	17.38 0.05 0.00	17.09 0.02 0.00	16.90 -0.03 0.00	17.96 -0.13 0.00	18.56 -0.12 0.00	20.11 0.07 0.00	22.82 -0.09 0.00	25.37 0.24 0.00	23.25 0.51 0.00	21.26 0.52 0.00	22.02 0.48 0.00	21.19 0.23 0.00	21.97 0.36 0.00	21.84 0.18 0.00	22.53 0.26 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.72 0.05 0.00	24.37 -0.17 0.00	24.56 -0.20 0.00	20.61 -0.29 0.00	20.63 -0.36 0.00	20.68 -0.17 0.00
STEPHTWN_115KV_BK_2 55603	19.25 0.47 0.00	17.77 0.44 0.00	17.52 0.45 0.00	17.39 0.46 0.00	18.61 0.51 0.00	19.20 0.52 0.00	20.53 0.49 0.00	23.50 0.59 0.00	25.71 0.58 0.00	23.33 0.59 0.00	21.31 0.58 0.00	22.11 0.58 0.00	21.56 0.60 0.00	22.21 0.60 0.00	22.29 0.64 0.00	22.84 0.57 0.00	28.50 0.82 0.00	25.98 0.89 0.00	25.55 0.89 0.00	25.47 0.93 0.00	25.70 0.94 0.00	21.70 0.79 0.00	21.61 0.62 0.00	21.52 0.67 0.00
STEBEN_REC_LFGE 323667	19.02 0.23 0.00	17.51 0.18 0.00	17.30 0.23 0.00	17.13 0.21 0.00	18.25 0.16 0.00	18.91 0.23 0.00	20.46 0.42 0.00	23.33 0.41 0.00	25.87 0.74 0.00	23.59 0.85 0.00	21.53 0.79 0.00	22.32 0.79 0.00	21.46 0.50 0.00	22.34 0.73 0.00	22.12 0.47 0.00	22.86 0.59 0.00	28.02 0.34 0.00	25.55 0.46 0.00	25.26 0.60 0.00	25.02 0.49 0.00	25.26 0.49 0.00	21.12 0.22 0.00	21.03 0.03 0.00	20.94 0.09 0.00
STONY____BROOK 24151	20.01 1.15 -0.07	18.92 1.13 -0.46	18.17 1.11 0.00	18.05 1.12 0.00	19.48 1.26 -0.13	20.38 1.28 -0.42	22.13 1.43 -0.66	24.41 1.50 0.00	26.78 1.65 0.00	25.02 1.68 -0.60	28.09 1.65 -5.70	29.90 1.64 -6.72	28.40 1.58 -5.86	26.39 1.60 -3.18	33.85 1.68 -10.52	26.22 1.80 -2.16	29.88 2.20 0.00	28.52 2.39 -1.04	73.53 2.39 -46.48	57.14 2.38 -30.23	65.27 2.32 -38.18	46.18 1.87 -23.41	27.17 1.76 -4.42	26.85 1.65 -4.35



STURGEON_POOL_HYD 23609	19.44 0.66 0.00	17.89 0.56 0.00	17.61 0.55 0.00	17.48 0.55 0.00	18.69 0.60 0.00	19.31 0.62 0.00	20.75 0.72 0.00	23.73 0.82 0.00	26.03 0.90 0.00	23.72 0.98 0.00	21.74 1.01 0.00	22.66 1.12 0.00	22.08 1.12 0.00	22.74 1.13 0.00	22.83 1.17 0.00	23.51 1.24 0.00	29.22 1.54 0.00	26.64 1.55 0.00	26.19 1.53 0.00	25.92 1.38 0.00	26.09 1.32 0.00	22.02 1.12 0.00	22.01 1.01 0.00	21.92 1.07 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.42 0.63 0.00	17.89 0.55 0.00	17.61 0.55 0.00	17.49 0.56 0.00	18.70 0.61 0.00	19.31 0.63 0.00	20.74 0.71 0.00	23.71 0.80 0.00	26.00 0.87 0.00	23.68 0.93 0.00	21.68 0.94 0.00	22.56 1.02 0.00	22.01 1.05 0.00	22.70 1.09 0.00	22.77 1.12 0.00	23.43 1.16 0.00	29.15 1.47 0.00	26.59 1.50 0.00	26.10 1.44 0.00	25.86 1.32 0.00	26.06 1.29 0.00	21.99 1.08 0.00	21.98 0.99 0.00	21.90 1.06 0.00
SWANROAD_115KV_TB1 355699	18.24 -0.54 0.00	16.92 -0.41 0.00	16.64 -0.43 0.00	16.45 -0.48 0.00	17.48 -0.62 0.00	18.05 -0.63 0.00	19.53 -0.51 0.00	22.10 -0.81 0.00	24.54 -0.59 0.00	22.51 -0.23 0.00	20.55 -0.18 0.00	21.30 -0.23 0.00	20.49 -0.47 0.00	21.25 -0.36 0.00	21.12 -0.53 0.00	21.79 -0.47 0.00	26.81 -0.87 0.00	24.32 -0.76 0.00	23.91 -0.75 0.00	23.58 -0.95 0.00	23.75 -1.02 0.00	19.92 -0.99 0.00	19.90 -1.09 0.00	20.15 -0.70 0.00
SYNERGY___BIOGAS 323694	18.96 0.18 0.00	17.54 0.21 0.00	17.25 0.18 0.00	17.05 0.12 0.00	18.15 0.06 0.00	18.77 0.09 0.00	20.34 0.31 0.00	23.12 0.21 0.00	25.59 0.46 0.00	23.37 0.63 0.00	21.36 0.63 0.00	22.25 0.71 0.00	21.45 0.48 0.00	22.16 0.56 0.00	22.01 0.36 0.00	22.61 0.34 0.00	27.93 0.25 0.00	25.41 0.33 0.00	24.94 0.28 0.00	24.70 0.17 0.00	24.90 0.13 0.00	20.90 0.00 0.00	20.91 -0.08 0.00	20.98 0.13 0.00
SYRACUSE___ENERGY_ST1 323597	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
SYRACUSE___ENERGY_ST2 323598	18.75 -0.03 0.00	17.31 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.05 -0.05 0.00	18.67 -0.02 0.00	20.13 0.09 0.00	23.01 0.10 0.00	25.24 0.11 0.00	22.81 0.06 0.00	20.74 0.00 0.00	21.53 -0.01 0.00	20.94 -0.02 0.00	21.65 0.05 0.00	21.68 0.02 0.00	22.32 0.05 0.00	27.71 0.03 0.00	25.08 -0.01 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.67 -0.09 0.00	20.81 -0.09 0.00	20.92 -0.07 0.00	20.78 -0.07 0.00
SYRACUSE___POWER 24017	18.76 -0.02 0.00	17.30 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.04 -0.05 0.00	18.66 -0.02 0.00	20.11 0.07 0.00	22.99 0.08 0.00	25.24 0.11 0.00	22.81 0.07 0.00	20.74 0.01 0.00	21.53 -0.01 0.00	20.93 -0.03 0.00	21.61 0.00 0.00	21.63 -0.02 0.00	22.27 0.00 0.00	27.65 -0.03 0.00	25.08 0.00 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.71 -0.06 0.00	20.84 -0.07 0.00	20.94 -0.05 0.00	20.82 -0.03 0.00
TALLMAN__138KV_BK151 55660	19.48 0.70 0.00	17.95 0.62 0.00	17.67 0.60 0.00	17.55 0.62 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.81 0.78 0.00	23.81 0.90 0.00	26.13 1.00 0.00	23.82 1.08 0.00	21.83 1.09 0.00	22.72 1.18 0.00	22.18 1.21 0.00	22.87 1.26 0.00	22.96 1.30 0.00	23.62 1.35 0.00	29.38 1.70 0.00	26.81 1.73 0.00	26.30 1.64 0.00	26.04 1.50 0.00	26.21 1.45 0.00	22.13 1.22 0.00	22.07 1.07 0.00	21.98 1.13 0.00
TEALLAVE_115KV_TB7 355573	18.67 -0.10 0.00	17.23 -0.10 0.00	16.95 -0.11 0.00	16.82 -0.11 0.00	17.97 -0.12 0.00	18.58 -0.10 0.00	20.01 -0.02 0.00	22.87 -0.04 0.00	25.12 -0.01 0.00	22.69 -0.05 0.00	20.63 -0.10 0.00	21.43 -0.11 0.00	20.83 -0.13 0.00	21.48 -0.12 0.00	21.51 -0.15 0.00	22.14 -0.13 0.00	27.49 -0.19 0.00	24.95 -0.14 0.00	24.53 -0.13 0.00	24.35 -0.18 0.00	24.57 -0.20 0.00	20.73 -0.18 0.00	20.83 -0.17 0.00	20.72 -0.13 0.00
TELGRAPH_34_KV_EAST 80808	18.63 -0.15 0.00	17.26 -0.07 0.00	16.97 -0.09 0.00	16.79 -0.14 0.00	17.84 -0.25 0.00	18.45 -0.23 0.00	19.98 -0.06 0.00	22.66 -0.25 0.00	25.14 0.02 0.00	23.04 0.30 0.00	21.05 0.31 0.00	21.85 0.32 0.00	21.04 0.08 0.00	21.79 0.18 0.00	21.66 0.00 0.00	22.30 0.03 0.00	27.46 -0.21 0.00	24.95 -0.14 0.00	24.52 -0.14 0.00	24.21 -0.33 0.00	24.39 -0.37 0.00	20.47 -0.44 0.00	20.43 -0.56 0.00	20.60 -0.24 0.00
TEMPLE___115KV_TB 2 55572	18.68 -0.09 0.00	17.24 -0.09 0.00	16.97 -0.10 0.00	16.83 -0.10 0.00	17.97 -0.12 0.00	18.59 -0.09 0.00	20.02 -0.02 0.00	22.88 -0.03 0.00	25.13 -0.01 0.00	22.71 -0.03 0.00	20.65 -0.08 0.00	21.44 -0.09 0.00	20.84 -0.12 0.00	21.50 -0.10 0.00	21.53 -0.13 0.00	22.16 -0.11 0.00	27.51 -0.17 0.00	24.97 -0.11 0.00	24.54 -0.12 0.00	24.37 -0.17 0.00	24.59 -0.18 0.00	20.74 -0.17 0.00	20.84 -0.15 0.00	20.74 -0.11 0.00
TIANA____69_KV_BK 1 55817	20.12 1.26 -0.07	19.07 1.27 -0.46	18.32 1.26 0.00	18.20 1.27 0.00	19.65 1.42 -0.13	20.51 1.41 -0.42	22.25 1.55 -0.66	24.51 1.60 0.00	26.91 1.78 0.00	25.13 1.80 -0.60	28.19 1.75 -5.70	30.02 1.76 -6.72	28.52 1.71 -5.86	26.47 1.68 -3.18	33.93 1.75 -10.52	26.33 1.91 -2.16	30.11 2.43 0.00	28.75 2.62 -1.04	73.76 2.62 -46.48	57.37 2.61 -30.23	65.52 2.57 -38.18	46.38 2.06 -23.41	27.30 1.90 -4.42	26.98 1.79 -4.35
TILDEN___115KV_TB1 80814	18.76 -0.02 0.00	17.30 -0.03 0.00	17.02 -0.04 0.00	16.89 -0.04 0.00	18.04 -0.05 0.00	18.66 -0.02 0.00	20.11 0.07 0.00	22.99 0.08 0.00	25.24 0.11 0.00	22.81 0.07 0.00	20.74 0.01 0.00	21.53 -0.01 0.00	20.93 -0.03 0.00	21.61 0.00 0.00	21.63 -0.02 0.00	22.27 0.00 0.00	27.65 -0.03 0.00	25.08 0.00 0.00	24.66 0.00 0.00	24.49 -0.05 0.00	24.71 -0.06 0.00	20.84 -0.07 0.00	20.94 -0.05 0.00	20.82 -0.03 0.00
TRIGEN___CC 323695	19.90 1.04 -0.07	18.78 0.98 -0.46	18.00 0.94 0.00	17.87 0.94 0.00	19.28 1.05 -0.13	20.17 1.07 -0.42	21.89 1.19 -0.66	24.17 1.26 0.00	26.53 1.40 0.00	24.81 1.47 -0.60	27.92 1.49 -5.70	29.77 1.51 -6.72	28.32 1.51 -5.86	26.32 1.53 -3.18	33.75 1.57 -10.52	26.07 1.65 -2.16	29.70 2.03 0.01	28.28 2.15 -1.04	73.04 2.06 -46.32	56.47 1.98 -29.95	64.86 1.94 -38.16	45.92 1.62 -23.40	26.92 1.51 -4.42	26.71 1.51 -4.35
TRINITY__115KV__ 4 BK 55933	19.10 0.32 0.00	17.66 0.32 0.00	17.41 0.34 0.00	17.28 0.35 0.00	18.49 0.40 0.00	19.07 0.39 0.00	20.36 0.32 0.00	23.32 0.41 0.00	25.51 0.38 0.00	23.15 0.40 0.00	21.15 0.41 0.00	21.95 0.41 0.00	21.41 0.45 0.00	22.04 0.43 0.00	22.13 0.48 0.00	22.67 0.40 0.00	28.26 0.58 0.00	25.74 0.66 0.00	25.30 0.64 0.00	25.25 0.71 0.00	25.49 0.72 0.00	21.52 0.61 0.00	21.44 0.45 0.00	21.34 0.49 0.00



UNION___PROCESSING_DRP 323587	18.72 -0.06 0.00	17.31 -0.02 0.00	17.03 -0.04 0.00	16.86 -0.07 0.00	17.96 -0.13 0.00	18.57 -0.11 0.00	20.08 0.04 0.00	22.89 -0.02 0.00	25.30 0.17 0.00	23.02 0.28 0.00	20.99 0.25 0.00	21.80 0.26 0.00	21.04 0.08 0.00	21.77 0.16 0.00	21.72 0.06 0.00	22.40 0.13 0.00	27.68 0.00 0.00	25.14 0.05 0.00	24.72 0.06 0.00	24.45 -0.08 0.00	24.65 -0.12 0.00	20.73 -0.18 0.00	20.75 -0.24 0.00	20.74 -0.10 0.00
UPPER HUDSON___HYD 24058	20.13 1.34 0.00	18.57 1.23 0.00	18.29 1.22 0.00	18.15 1.22 0.00	19.49 1.40 0.00	20.14 1.46 0.00	21.58 1.54 0.00	24.66 1.75 0.00	26.89 1.77 0.00	24.37 1.62 0.00	22.27 1.53 0.00	23.03 1.49 0.00	22.43 1.47 0.00	22.92 1.32 0.00	23.20 1.55 0.00	23.80 1.53 0.00	29.87 2.19 0.00	27.16 2.07 0.00	26.74 2.09 0.00	26.78 2.25 0.00	27.09 2.32 0.00	22.86 1.95 0.00	22.74 1.75 0.00	22.51 1.66 0.00
UPPER RAQUET___HYD 24056	19.07 0.28 0.00	17.58 0.25 0.00	17.32 0.25 0.00	17.16 0.23 0.00	18.32 0.22 0.00	18.90 0.22 0.00	20.23 0.20 0.00	23.21 0.30 0.00	25.47 0.34 0.00	22.96 0.22 0.00	20.90 0.17 0.00	21.72 0.18 0.00	21.14 0.17 0.00	21.77 0.16 0.00	21.79 0.14 0.00	22.39 0.12 0.00	27.66 -0.01 0.00	24.80 -0.29 0.00	24.43 -0.23 0.00	24.43 -0.11 0.00	24.89 0.12 0.00	21.04 0.13 0.00	21.12 0.13 0.00	20.88 0.03 0.00
VALLEY44_115KV_TB2 355964	18.88 0.09 0.00	17.48 0.15 0.00	17.23 0.16 0.00	17.08 0.15 0.00	18.15 0.06 0.00	18.83 0.15 0.00	20.41 0.37 0.00	23.20 0.29 0.00	25.71 0.58 0.00	23.55 0.80 0.00	21.61 0.87 0.00	22.39 0.85 0.00	21.45 0.49 0.00	22.28 0.67 0.00	22.20 0.54 0.00	22.94 0.67 0.00	28.24 0.57 0.00	25.67 0.58 0.00	25.16 0.50 0.00	24.77 0.24 0.00	24.97 0.21 0.00	20.97 0.06 0.00	20.95 -0.04 0.00	20.98 0.13 0.00
VALLEY___115KV_TB 1-4 80826	18.80 0.02 0.00	17.32 -0.01 0.00	17.08 0.01 0.00	16.95 0.02 0.00	18.12 0.03 0.00	18.77 0.09 0.00	20.09 0.05 0.00	22.95 0.04 0.00	25.10 -0.03 0.00	22.72 -0.02 0.00	20.78 0.04 0.00	21.56 0.02 0.00	20.99 0.03 0.00	21.57 -0.04 0.00	21.59 -0.06 0.00	22.23 -0.04 0.00	27.69 0.01 0.00	25.26 0.17 0.00	24.85 0.19 0.00	24.80 0.26 0.00	25.06 0.29 0.00	21.16 0.25 0.00	21.10 0.11 0.00	21.02 0.17 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.28 0.50 0.00	17.80 0.47 0.00	17.50 0.43 0.00	17.36 0.43 0.00	18.59 0.49 0.00	19.20 0.51 0.00	20.75 0.71 0.00	23.78 0.87 0.00	26.06 0.93 0.00	23.66 0.92 0.00	21.62 0.88 0.00	22.44 0.90 0.00	21.82 0.85 0.00	22.51 0.91 0.00	22.54 0.89 0.00	23.21 0.94 0.00	28.85 1.18 0.00	26.22 1.14 0.00	25.74 1.09 0.00	25.58 1.04 0.00	25.81 1.04 0.00	21.77 0.86 0.00	21.80 0.81 0.00	21.56 0.71 0.00
VISCHER___FERRY HYD 24020	19.51 0.73 0.00	18.04 0.71 0.00	17.79 0.72 0.00	17.65 0.72 0.00	18.91 0.82 0.00	19.50 0.82 0.00	20.81 0.77 0.00	23.83 0.92 0.00	26.02 0.90 0.00	23.61 0.86 0.00	21.56 0.83 0.00	22.38 0.84 0.00	21.82 0.86 0.00	22.43 0.82 0.00	22.55 0.89 0.00	23.07 0.79 0.00	28.78 1.11 0.00	26.21 1.12 0.00	25.79 1.13 0.00	25.79 1.25 0.00	26.05 1.28 0.00	22.00 1.09 0.00	21.90 0.91 0.00	21.76 0.92 0.00
V_A_10_SYNC_DSASP 323832	18.47 -0.31 0.00	17.12 -0.21 0.00	16.84 -0.22 0.00	16.67 -0.26 0.00	17.72 -0.37 0.00	18.31 -0.37 0.00	19.80 -0.23 0.00	22.50 -0.41 0.00	24.94 -0.19 0.00	22.81 0.07 0.00	20.82 0.08 0.00	21.59 0.05 0.00	20.78 -0.18 0.00	21.53 -0.08 0.00	21.45 -0.21 0.00	22.13 -0.14 0.00	27.28 -0.40 0.00	24.76 -0.33 0.00	24.33 -0.33 0.00	24.02 -0.52 0.00	24.20 -0.57 0.00	20.32 -0.59 0.00	20.32 -0.67 0.00	20.43 -0.41 0.00
V_CMM_10_SYNC_DSASP 323787	18.69 -0.09 0.00	17.25 -0.08 0.00	16.99 -0.08 0.00	16.84 -0.09 0.00	17.99 -0.11 0.00	18.54 -0.14 0.00	19.82 -0.21 0.00	22.71 -0.20 0.00	24.95 -0.18 0.00	22.54 -0.20 0.00	20.55 -0.18 0.00	21.32 -0.22 0.00	20.75 -0.21 0.00	21.40 -0.21 0.00	21.43 -0.23 0.00	22.05 -0.22 0.00	27.37 -0.31 0.00	24.65 -0.43 0.00	24.25 -0.41 0.00	24.20 -0.34 0.00	24.47 -0.30 0.00	20.64 -0.26 0.00	20.76 -0.23 0.00	20.56 -0.29 0.00
V_CMP_10_SYNC_DSASP 323788	19.61 0.82 0.00	18.06 0.73 0.00	17.78 0.71 0.00	17.64 0.71 0.00	18.85 0.76 0.00	19.41 0.73 0.00	20.69 0.65 0.00	23.88 0.96 0.00	26.19 1.06 0.00	23.73 0.98 0.00	21.60 0.87 0.00	22.27 0.74 0.00	21.65 0.68 0.00	22.36 0.75 0.00	22.36 0.70 0.00	22.94 0.67 0.00	28.53 0.84 0.00	25.75 0.66 0.00	25.41 0.75 0.00	25.51 0.97 0.00	25.82 1.05 0.00	21.68 0.78 0.00	21.71 0.71 0.00	21.35 0.50 0.00
V_E_10_SYNC_DSASP 323830	19.98 1.20 0.00	18.40 1.06 0.00	18.11 1.04 0.00	17.96 1.03 0.00	19.20 1.11 0.00	19.99 1.31 0.00	21.61 1.57 0.00	24.71 1.80 0.00	27.09 1.97 0.00	24.50 1.76 0.00	22.37 1.64 0.00	22.98 1.44 0.00	22.40 1.44 0.00	23.02 1.41 0.00	23.15 1.50 0.00	23.90 1.63 0.00	29.83 2.15 0.00	27.14 2.06 0.00	26.70 2.04 0.00	26.54 2.00 0.00	26.85 2.08 0.00	22.60 1.69 0.00	22.57 1.57 0.00	22.39 1.55 0.00
V_F_30_NSYNC___DSASP 323816	19.85 1.07 0.00	18.32 0.99 0.00	18.05 0.99 0.00	17.92 0.99 0.00	19.21 1.12 0.00	19.84 1.16 0.00	21.25 1.21 0.00	24.30 1.39 0.00	26.54 1.42 0.00	24.06 1.32 0.00	21.97 1.24 0.00	22.78 1.25 0.00	22.20 1.24 0.00	22.80 1.19 0.00	22.96 1.31 0.00	23.53 1.26 0.00	29.42 1.74 0.00	26.75 1.67 0.00	26.33 1.67 0.00	26.32 1.78 0.00	26.60 1.83 0.00	22.43 1.53 0.00	22.34 1.35 0.00	22.17 1.32 0.00
V_F_30_SYNC_DSASP 323786	19.17 0.39 0.00	17.71 0.38 0.00	17.47 0.40 0.00	17.34 0.41 0.00	18.56 0.46 0.00	19.13 0.45 0.00	20.43 0.40 0.00	23.40 0.49 0.00	25.61 0.48 0.00	23.24 0.49 0.00	21.23 0.49 0.00	22.04 0.50 0.00	21.50 0.54 0.00	22.13 0.52 0.00	22.22 0.57 0.00	22.77 0.50 0.00	28.39 0.71 0.00	25.85 0.77 0.00	25.40 0.74 0.00	25.35 0.81 0.00	25.59 0.82 0.00	21.60 0.69 0.00	21.52 0.53 0.00	21.42 0.57 0.00
V_XM_10_SYNC_DSASP 323789	19.61 0.82 0.00	18.06 0.73 0.00	17.78 0.71 0.00	17.64 0.71 0.00	18.85 0.76 0.00	19.41 0.73 0.00	20.69 0.65 0.00	23.88 0.96 0.00	26.19 1.06 0.00	23.73 0.98 0.00	21.60 0.87 0.00	22.27 0.74 0.00	21.65 0.68 0.00	22.36 0.75 0.00	22.36 0.70 0.00	22.94 0.67 0.00	28.53 0.84 0.00	25.75 0.66 0.00	25.41 0.75 0.00	25.51 0.97 0.00	25.82 1.05 0.00	21.68 0.78 0.00	21.71 0.71 0.00	21.35 0.50 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.55 0.77 0.00	18.01 0.68 0.00	17.73 0.66 0.00	17.60 0.67 0.00	18.83 0.73 0.00	19.44 0.76 0.00	20.89 0.86 0.00	23.90 0.99 0.00	26.23 1.10 0.00	23.91 1.16 0.00	21.91 1.17 0.00	22.80 1.26 0.00	22.25 1.29 0.00	22.95 1.34 0.00	23.04 1.38 0.00	23.70 1.44 0.00	29.48 1.80 0.00	26.91 1.82 0.00	26.40 1.74 0.00	26.13 1.59 0.00	26.31 1.55 0.00	22.20 1.30 0.00	22.14 1.15 0.00	22.05 1.20 0.00



W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.65 0.87 0.00	18.10 0.77 0.00	17.82 0.75 0.00	17.70 0.77 0.00	18.93 0.84 0.00	19.54 0.86 0.00	20.98 0.95 0.00	24.02 1.10 0.00	26.36 1.23 0.00	24.05 1.31 0.00	22.04 1.31 0.00	22.93 1.39 0.00	22.39 1.43 0.00	23.08 1.47 0.00	23.16 1.50 0.00	23.84 1.57 0.00	29.63 1.95 0.00	27.08 2.00 0.00	26.55 1.89 0.00	26.28 1.75 0.00	26.45 1.68 0.00	22.30 1.39 0.00	22.21 1.22 0.00	22.13 1.28 0.00
W50THST__13_KV_LOAD 356117	19.75 0.97 0.00	18.20 0.86 0.00	17.91 0.84 0.00	17.79 0.86 0.00	19.03 0.93 0.00	19.65 0.96 0.00	21.11 1.08 0.00	24.18 1.27 0.00	26.55 1.42 0.00	24.24 1.49 0.00	22.23 1.49 0.00	23.11 1.57 0.00	22.56 1.60 0.00	23.26 1.65 0.00	23.33 1.68 0.00	24.02 1.75 0.00	29.85 2.17 0.00	27.28 2.19 0.00	26.72 2.07 0.00	26.42 1.89 0.00	26.58 1.81 0.00	22.40 1.50 0.00	22.31 1.32 0.00	22.23 1.38 0.00
WADING RIVER_IC_1 23522	19.78 0.93 -0.07	18.75 0.95 -0.46	18.04 0.98 0.00	17.92 0.99 0.00	19.34 1.11 -0.13	20.19 1.09 -0.42	21.83 1.13 -0.66	24.01 1.09 0.00	26.33 1.21 0.00	24.60 1.26 -0.60	27.69 1.26 -5.70	29.48 1.23 -6.72	28.01 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.42 1.74 0.00	28.12 1.99 -1.04	73.12 1.99 -46.48	56.75 1.99 -30.23	64.90 1.95 -38.18	45.87 1.56 -23.41	26.81 1.40 -4.42	26.55 1.36 -4.35
WADING RIVER_IC_2 23547	19.78 0.93 -0.07	18.75 0.95 -0.46	18.04 0.98 0.00	17.92 0.99 0.00	19.34 1.11 -0.13	20.19 1.09 -0.42	21.83 1.13 -0.66	24.01 1.09 0.00	26.33 1.21 0.00	24.60 1.26 -0.60	27.69 1.26 -5.70	29.48 1.23 -6.72	28.01 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.42 1.74 0.00	28.12 1.99 -1.04	73.12 1.99 -46.48	56.75 1.99 -30.23	64.90 1.95 -38.18	45.87 1.56 -23.41	26.81 1.40 -4.42	26.55 1.36 -4.35
WADING RIVER_IC_3 23601	19.78 0.93 -0.07	18.75 0.95 -0.46	18.04 0.98 0.00	17.92 0.99 0.00	19.34 1.11 -0.13	20.19 1.09 -0.42	21.83 1.13 -0.66	24.01 1.09 0.00	26.33 1.21 0.00	24.60 1.26 -0.60	27.69 1.26 -5.70	29.48 1.23 -6.72	28.01 1.20 -5.86	25.96 1.18 -3.18	33.42 1.24 -10.52	25.81 1.38 -2.16	29.42 1.74 0.00	28.12 1.99 -1.04	73.12 1.99 -46.48	56.75 1.99 -30.23	64.90 1.95 -38.18	45.87 1.56 -23.41	26.81 1.40 -4.42	26.55 1.36 -4.35
WALDENNY_12_KV_BK2 80841	18.75 -0.04 0.00	17.36 0.03 0.00	17.08 0.01 0.00	16.89 -0.04 0.00	17.94 -0.15 0.00	18.56 -0.12 0.00	20.09 0.06 0.00	22.80 -0.11 0.00	25.35 0.22 0.00	23.25 0.51 0.00	21.26 0.52 0.00	22.03 0.49 0.00	21.19 0.23 0.00	21.98 0.38 0.00	21.84 0.19 0.00	22.54 0.27 0.00	27.75 0.07 0.00	25.18 0.10 0.00	24.72 0.06 0.00	24.37 -0.16 0.00	24.55 -0.21 0.00	20.60 -0.30 0.00	20.56 -0.43 0.00	20.69 -0.16 0.00
WALDEN__HYDRO 24148	19.56 0.78 0.00	18.01 0.68 0.00	17.73 0.66 0.00	17.60 0.67 0.00	18.82 0.73 0.00	19.44 0.76 0.00	20.91 0.88 0.00	23.92 1.01 0.00	26.22 1.09 0.00	23.83 1.09 0.00	21.84 1.11 0.00	22.69 1.15 0.00	22.15 1.19 0.00	22.80 1.19 0.00	22.92 1.26 0.00	23.54 1.27 0.00	29.32 1.64 0.00	26.76 1.67 0.00	26.32 1.66 0.00	26.12 1.59 0.00	26.33 1.56 0.00	22.21 1.31 0.00	22.18 1.19 0.00	22.08 1.23 0.00
WARRENSBURG____ 23737	20.13 1.34 0.00	18.57 1.23 0.00	18.29 1.22 0.00	18.15 1.22 0.00	19.49 1.40 0.00	20.14 1.46 0.00	21.58 1.54 0.00	24.66 1.75 0.00	26.89 1.77 0.00	24.37 1.62 0.00	22.27 1.53 0.00	23.03 1.49 0.00	22.43 1.47 0.00	22.92 1.32 0.00	23.20 1.55 0.00	23.80 1.53 0.00	29.87 2.19 0.00	27.16 2.07 0.00	26.74 2.09 0.00	26.78 2.25 0.00	27.09 2.32 0.00	22.86 1.95 0.00	22.74 1.75 0.00	22.51 1.66 0.00
WATERSIDE____6 8 9 23538	19.59 0.81 0.00	18.05 0.72 0.00	17.77 0.70 0.00	17.66 0.73 0.00	18.88 0.78 0.00	19.48 0.80 0.00	20.93 0.90 0.00	23.96 1.05 0.00	26.31 1.18 0.00	24.00 1.25 0.00	22.00 1.27 0.00	22.89 1.35 0.00	22.36 1.40 0.00	23.04 1.44 0.00	23.12 1.47 0.00	23.80 1.53 0.00	29.57 1.89 0.00	27.01 1.93 0.00	26.50 1.85 0.00	26.26 1.72 0.00	26.43 1.67 0.00	22.30 1.39 0.00	22.20 1.20 0.00	22.10 1.25 0.00
WATKINRD_115KV_LN8_ILLION 55919	18.78 -0.01 0.00	17.32 -0.01 0.00	17.07 0.00 0.00	16.93 0.00 0.00	18.11 0.02 0.00	18.73 0.05 0.00	20.07 0.03 0.00	22.93 0.02 0.00	25.10 -0.03 0.00	22.72 -0.02 0.00	20.76 0.02 0.00	21.55 0.01 0.00	20.97 0.01 0.00	21.58 -0.03 0.00	21.64 -0.02 0.00	22.26 0.00 0.00	27.72 0.05 0.00	25.23 0.14 0.00	24.81 0.14 0.00	24.75 0.21 0.00	25.00 0.23 0.00	21.11 0.20 0.00	21.10 0.10 0.00	20.98 0.13 0.00
WATSON____69_KV_BK 1 55734	20.21 1.35 -0.07	19.09 1.29 -0.46	18.31 1.24 0.00	18.17 1.24 0.00	19.61 1.39 -0.13	20.51 1.41 -0.42	22.28 1.58 -0.66	24.59 1.68 0.00	27.00 1.87 0.00	25.22 1.88 -0.60	28.29 1.85 -5.70	30.09 1.83 -6.72	28.61 1.80 -5.86	26.62 1.83 -3.18	34.09 1.91 -10.52	26.46 2.04 -2.16	30.18 2.51 0.01	28.81 2.69 -1.04	73.57 2.54 -46.38	57.15 2.57 -30.05	65.50 2.56 -38.17	46.40 2.09 -23.40	27.37 1.96 -4.42	27.08 1.89 -4.35
WDELAWARE__HYD 323627	19.01 0.23 0.00	17.51 0.18 0.00	17.23 0.16 0.00	17.11 0.18 0.00	18.31 0.22 0.00	18.93 0.25 0.00	20.44 0.41 0.00	23.40 0.49 0.00	25.64 0.51 0.00	23.29 0.55 0.00	21.31 0.58 0.00	22.18 0.64 0.00	21.57 0.61 0.00	22.25 0.64 0.00	22.30 0.65 0.00	23.02 0.75 0.00	28.63 0.95 0.00	26.15 1.07 0.00	25.72 1.06 0.00	25.51 0.97 0.00	25.71 0.94 0.00	21.69 0.78 0.00	21.69 0.69 0.00	21.46 0.61 0.00
WEST BABYLON__IC 23714	20.17 1.31 -0.07	19.05 1.25 -0.46	18.27 1.20 0.00	18.13 1.20 0.00	19.56 1.33 -0.13	20.46 1.36 -0.42	22.21 1.51 -0.66	24.52 1.61 0.00	26.93 1.80 0.00	25.16 1.82 -0.60	28.22 1.79 -5.70	30.03 1.77 -6.72	28.56 1.75 -5.86	26.56 1.77 -3.18	34.02 1.84 -10.52	26.39 1.96 -2.16	30.08 2.42 0.02	28.71 2.58 -1.04	73.33 2.44 -46.23	56.78 2.45 -29.79	65.35 2.44 -38.15	46.31 2.01 -23.39	27.31 1.90 -4.42	27.04 1.85 -4.35
WEST CANADA__HYD 24049	18.82 0.04 0.00	17.35 0.02 0.00	17.09 0.03 0.00	16.95 0.03 0.00	18.12 0.03 0.00	18.72 0.04 0.00	20.08 0.04 0.00	22.96 0.05 0.00	25.18 0.05 0.00	22.79 0.05 0.00	20.78 0.04 0.00	21.58 0.04 0.00	21.00 0.04 0.00	21.65 0.04 0.00	21.70 0.04 0.00	22.31 0.04 0.00	27.74 0.06 0.00	25.17 0.08 0.00	24.73 0.08 0.00	24.61 0.08 0.00	24.84 0.08 0.00	20.97 0.06 0.00	21.04 0.04 0.00	20.91 0.06 0.00
WESTERN_NY_WIND 24143	18.93 0.15 0.00	17.52 0.19 0.00	17.23 0.16 0.00	17.03 0.10 0.00	18.13 0.04 0.00	18.75 0.07 0.00	20.32 0.28 0.00	23.09 0.18 0.00	25.56 0.43 0.00	23.36 0.61 0.00	21.34 0.61 0.00	22.23 0.69 0.00	21.43 0.46 0.00	22.15 0.54 0.00	21.99 0.34 0.00	22.59 0.32 0.00	27.90 0.22 0.00	25.38 0.29 0.00	24.91 0.25 0.00	24.67 0.13 0.00	24.87 0.10 0.00	20.88 -0.03 0.00	20.88 -0.11 0.00	20.95 0.11 0.00



WESTOVER___LESR 323668	18.92 0.14 0.00	17.44 0.11 0.00	17.17 0.11 0.00	17.03 0.10 0.00	18.18 0.09 0.00	18.84 0.16 0.00	20.31 0.27 0.00	23.22 0.31 0.00	25.53 0.40 0.00	23.19 0.45 0.00	21.22 0.48 0.00	22.02 0.49 0.00	21.34 0.37 0.00	22.09 0.48 0.00	22.06 0.41 0.00	22.73 0.46 0.00	28.19 0.51 0.00	25.66 0.58 0.00	25.18 0.52 0.00	24.95 0.41 0.00	25.17 0.40 0.00	21.20 0.29 0.00	21.23 0.24 0.00	21.12 0.27 0.00
WETHRSFD_WT_PWR 323626	18.70 -0.08 0.00	17.29 -0.04 0.00	17.02 -0.05 0.00	16.84 -0.09 0.00	17.90 -0.19 0.00	18.51 -0.17 0.00	20.03 -0.01 0.00	22.79 -0.11 0.00	25.30 0.17 0.00	23.14 0.40 0.00	21.13 0.39 0.00	21.90 0.36 0.00	21.08 0.12 0.00	21.86 0.25 0.00	21.70 0.04 0.00	22.44 0.17 0.00	27.61 -0.07 0.00	25.08 -0.01 0.00	24.68 0.02 0.00	24.39 -0.15 0.00	24.64 -0.13 0.00	20.65 -0.26 0.00	20.65 -0.34 0.00	20.58 -0.27 0.00
WHAVSTOR_138KV_BK127 55557	19.48 0.69 0.00	17.94 0.61 0.00	17.67 0.60 0.00	17.54 0.61 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.80 0.77 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.80 1.06 0.00	21.81 1.07 0.00	22.70 1.16 0.00	22.15 1.19 0.00	22.84 1.24 0.00	22.92 1.27 0.00	23.58 1.32 0.00	29.34 1.66 0.00	26.78 1.69 0.00	26.27 1.61 0.00	26.01 1.47 0.00	26.19 1.42 0.00	22.10 1.20 0.00	22.04 1.05 0.00	21.96 1.11 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.48 0.69 0.00	17.94 0.61 0.00	17.67 0.60 0.00	17.54 0.61 0.00	18.76 0.67 0.00	19.37 0.69 0.00	20.80 0.77 0.00	23.80 0.89 0.00	26.11 0.98 0.00	23.80 1.06 0.00	21.81 1.07 0.00	22.70 1.16 0.00	22.15 1.19 0.00	22.84 1.24 0.00	22.92 1.27 0.00	23.58 1.32 0.00	29.34 1.66 0.00	26.78 1.69 0.00	26.27 1.61 0.00	26.01 1.47 0.00	26.19 1.42 0.00	22.10 1.20 0.00	22.04 1.05 0.00	21.96 1.11 0.00
WHITEHAL_115KV_TB1 80871	20.71 1.93 0.00	19.10 1.77 0.00	18.81 1.74 0.00	18.68 1.76 0.00	20.11 2.01 0.00	20.78 2.10 0.00	22.18 2.15 0.00	25.38 2.47 0.00	27.43 2.30 0.00	24.83 2.09 0.00	22.76 2.03 0.00	23.62 2.08 0.00	23.07 2.11 0.00	23.52 1.92 0.00	23.71 2.06 0.00	24.35 2.08 0.00	30.49 2.81 0.00	27.65 2.56 0.00	27.33 2.67 0.00	27.57 3.04 0.00	27.95 3.18 0.00	23.63 2.73 0.00	23.48 2.49 0.00	23.18 2.33 0.00
WHITEPLN_13_KV_LOAD 356215	19.73 0.94 0.00	18.16 0.83 0.00	17.89 0.82 0.00	17.76 0.83 0.00	18.98 0.89 0.00	19.61 0.93 0.00	21.04 1.00 0.00	24.04 1.13 0.00	26.38 1.25 0.00	24.06 1.32 0.00	22.05 1.32 0.00	22.94 1.40 0.00	22.40 1.43 0.00	23.08 1.48 0.00	23.16 1.51 0.00	23.84 1.57 0.00	29.64 1.96 0.00	27.07 1.98 0.00	26.54 1.88 0.00	26.28 1.74 0.00	26.46 1.70 0.00	22.33 1.42 0.00	22.25 1.26 0.00	22.22 1.37 0.00
WM_FLOYD_69_KV_BK2 356380	19.95 1.10 -0.07	18.89 1.10 -0.46	18.15 1.08 0.00	18.02 1.08 0.00	19.44 1.22 -0.13	20.31 1.21 -0.42	22.00 1.30 -0.66	24.23 1.32 0.00	26.59 1.46 0.00	24.81 1.47 -0.60	27.90 1.46 -5.70	29.69 1.44 -6.72	28.22 1.40 -5.86	26.16 1.37 -3.18	33.64 1.46 -10.52	26.02 1.60 -2.16	29.69 2.01 0.00	28.36 2.23 -1.04	73.35 2.22 -46.48	56.99 2.22 -30.23	65.14 2.19 -38.18	46.07 1.76 -23.41	27.03 1.62 -4.42	26.76 1.57 -4.35
WOODARD__115KV_TB2 355635	18.64 -0.14 0.00	17.20 -0.13 0.00	16.93 -0.14 0.00	16.79 -0.14 0.00	17.93 -0.16 0.00	18.55 -0.13 0.00	19.97 -0.07 0.00	22.82 -0.09 0.00	25.04 -0.09 0.00	22.63 -0.11 0.00	20.57 -0.16 0.00	21.37 -0.17 0.00	20.77 -0.18 0.00	21.41 -0.20 0.00	21.44 -0.22 0.00	22.06 -0.21 0.00	27.40 -0.28 0.00	24.88 -0.21 0.00	24.46 -0.20 0.00	24.30 -0.24 0.00	24.51 -0.26 0.00	20.68 -0.23 0.00	20.78 -0.21 0.00	20.68 -0.17 0.00
YORK___WARBASSE 23770	19.65 0.87 0.00	18.11 0.77 0.00	17.82 0.75 0.00	17.69 0.76 0.00	18.92 0.83 0.00	19.54 0.85 0.00	21.00 0.96 0.00	24.03 1.11 0.00	26.39 1.26 0.00	24.08 1.34 0.00	22.08 1.35 0.00	22.96 1.43 0.00	22.44 1.48 0.00	23.16 1.55 0.00	23.25 1.58 -0.01	23.92 1.65 -0.01	29.74 2.05 -0.01	27.18 2.08 -0.02	26.66 2.00 -0.01	26.42 1.87 -0.01	26.60 1.82 -0.01	22.43 1.52 0.00	22.32 1.33 0.00	22.22 1.37 0.00