

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

04/14/2024

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	22.20	18.82	18.70	20.30	17.90	18.54	45.67	42.12	25.22	17.80	13.76	15.37	23.14	26.61	15.25	20.27	22.05	34.05	32.32	34.38	33.10	37.24	31.71	27.02
24138	1.51	1.17	1.09	1.14	1.04	1.07	2.57	2.43	1.55	0.96	0.82	0.87	1.32	1.67	1.00	1.21	1.19	1.64	1.53	1.83	1.73	1.60	1.29	1.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.59	-0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	22.17	18.79	18.68	20.27	17.88	18.52	45.62	42.08	25.21	17.81	13.74	15.35	23.12	26.58	15.24	20.24	22.03	34.02	32.31	34.34	33.07	37.22	31.69	27.00
24260	1.47	1.14	1.07	1.12	1.02	1.05	2.52	2.39	1.53	0.94	0.80	0.86	1.30	1.64	0.99	1.18	1.17	1.61	1.52	1.80	1.70	1.58	1.27	1.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.62	-0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	22.17	18.79	18.68	20.27	17.88	18.52	45.62	42.08	25.21	17.81	13.74	15.35	23.12	26.58	15.24	20.24	22.03	34.02	32.31	34.34	33.07	37.22	31.69	27.00
24261	1.47	1.14	1.07	1.12	1.02	1.05	2.52	2.39	1.53	0.94	0.80	0.86	1.30	1.64	0.99	1.18	1.17	1.61	1.52	1.80	1.70	1.58	1.27	1.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.62	-0.33	0.00	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	21.45	18.24	18.27	19.86	17.40	18.09	44.71	41.24	24.30	15.67	13.07	15.10	22.87	26.07	15.03	20.15	21.75	34.07	32.27	34.15	32.95	37.17	31.44	26.54
24011	0.75	0.60	0.66	0.70	0.54	0.62	1.61	1.55	0.62	0.43	0.46	0.60	1.06	1.14	0.78	1.09	0.90	1.66	1.48	1.61	1.57	1.53	1.02	0.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	21.51	18.29	18.33	19.92	17.43	18.16	44.88	41.40	24.33	15.69	13.12	15.16	23.03	26.24	15.13	20.28	21.82	34.27	32.44	34.35	33.17	37.38	31.60	26.60
23798	0.82	0.64	0.72	0.77	0.56	0.68	1.78	1.71	0.66	0.45	0.51	0.66	1.21	1.31	0.88	1.22	0.96	1.86	1.65	1.81	1.79	1.74	1.19	0.68
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	21.45	18.24	18.27	19.86	17.40	18.09	44.71	41.24	24.30	15.67	13.07	15.10	22.87	26.07	15.03	20.15	21.75	34.07	32.27	34.15	32.95	37.17	31.44	26.54
24028	0.75	0.60	0.66	0.70	0.54	0.62	1.61	1.55	0.62	0.43	0.46	0.60	1.06	1.14	0.78	1.09	0.90	1.66	1.48	1.61	1.57	1.53	1.02	0.62
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	21.46	18.23	18.27	19.82	17.38	18.04	44.54	41.06	24.06	15.43	12.84	14.90	22.57	25.84	14.89	19.98	21.66	33.71	31.89	33.80	32.49	36.85	31.23	26.38
23527	0.76	0.58	0.65	0.67	0.51	0.57	1.44	1.37	0.39	0.18	0.23	0.41	0.75	0.91	0.64	0.92	0.80	1.30	1.09	1.26	1.12	1.21	0.81	0.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	20.87	17.74	17.76	19.28	16.96	17.56	43.33	39.90	23.66	15.28	12.72	14.66	21.99	25.12	14.49	19.32	21.02	32.64	30.98	32.79	31.57	35.69	30.33	25.76
24190	0.17	0.09	0.14	0.12	0.10	0.08	0.23	0.20	-0.02	0.03	0.11	0.16	0.17	0.19	0.24	0.26	0.16	0.23	0.19	0.25	0.20	0.05	-0.08	-0.16
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	20.58	17.64	17.59	19.13	16.81	17.44	43.04	39.63	23.67	15.26	12.59	14.48	21.86	25.00	14.24	18.96	20.91	32.59	31.04	32.62	31.46	36.04	30.83	26.29
355683	-0.11	-0.01	-0.03	-0.03	-0.06	-0.03	-0.07	-0.06	0.00	0.02	-0.02	-0.01	0.05	0.07	-0.01	-0.10	0.05	0.18	0.25	0.07	0.08	0.40	0.41	0.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	21.35	18.15	18.18	19.73	17.37	17.98	44.33	40.66	24.09	15.53	12.94	14.94	22.46	25.44	14.68	19.66	21.51	33.41	31.70	33.55	32.29	36.50	31.04	26.39
323833	0.66	0.51	0.57	0.57	0.51	0.51	1.23	0.97	0.42	0.29	0.33	0.44	0.64	0.50	0.43	0.60	0.66	1.00	0.90	1.01	0.92	0.87	0.63	0.47
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	21.34	18.14	18.18	19.72	17.36	17.97	44.31	40.65	24.08	15.52	12.93	14.94	22.45	25.43	14.68	19.65	21.50	33.40	31.69	33.54	32.28	36.50	31.04	26.38
323834	0.65	0.50	0.57	0.57	0.50	0.50	1.21	0.96	0.41	0.28	0.32	0.44	0.63	0.50	0.42	0.59	0.64	0.99	0.90	0.99	0.91	0.86	0.62	0.46
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	20.87	17.74	17.76	19.28	16.96	17.56	43.33	39.90	23.66	15.28	12.72	14.66	21.99	25.12	14.49	19.32	21.02	32.64	30.98	32.79	31.57	35.69	30.33	25.76
23571	0.17	0.09	0.14	0.12	0.10	0.08	0.23	0.20	-0.02	0.03	0.11	0.16	0.17	0.19	0.24	0.26	0.16	0.23	0.19	0.25	0.20	0.05	-0.08	-0.16
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.12 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.90 0.20 0.00	23.66 -0.02 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.66 0.16 0.00	21.99 0.17 0.00	25.12 0.19 0.00	14.49 0.24 0.00	19.32 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
ALBANY___3 23573	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.12 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.90 0.20 0.00	23.66 -0.02 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.66 0.16 0.00	21.99 0.17 0.00	25.12 0.19 0.00	14.49 0.24 0.00	19.32 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
ALBANY___4 23574	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.12 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.90 0.20 0.00	23.66 -0.02 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.66 0.16 0.00	21.99 0.17 0.00	25.12 0.19 0.00	14.49 0.24 0.00	19.32 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
ALBANY___LFGE 323615	21.10 0.40 0.00	17.93 0.28 0.00	17.95 0.34 0.00	19.49 0.34 0.00	17.14 0.28 0.00	17.74 0.27 0.00	43.79 0.69 0.00	40.33 0.64 0.00	23.92 0.25 0.00	15.43 0.19 0.00	12.85 0.24 0.00	14.80 0.31 0.00	22.24 0.42 0.00	25.41 0.47 0.00	14.64 0.39 0.00	19.54 0.48 0.00	21.27 0.41 0.00	33.04 0.63 0.00	31.35 0.56 0.00	33.19 0.65 0.00	31.95 0.58 0.00	36.11 0.47 0.00	30.68 0.27 0.00	26.04 0.13 0.00
ALCOA_PA_115KV_PL-6C 55860	21.61 -0.05 -0.97	18.60 0.05 -0.90	18.55 0.03 -0.90	20.13 0.04 -0.94	17.15 0.00 -0.29	17.48 0.01 0.00	43.10 0.00 0.00	39.69 0.00 0.00	23.69 0.02 0.00	15.28 0.04 0.00	12.61 0.00 0.00	14.51 0.02 0.00	21.94 0.13 0.00	25.12 0.18 0.00	14.31 0.05 0.00	19.02 -0.04 0.00	20.97 0.11 0.00	32.69 0.28 0.00	31.14 0.34 0.00	32.72 0.17 0.00	31.56 0.18 0.00	36.18 0.54 0.00	30.95 0.53 0.00	26.40 0.48 0.00
ALCOA_RYNLDS___DRP 24188	21.61 -0.05 -0.97	18.60 0.05 -0.90	18.55 0.03 -0.90	20.13 0.04 -0.94	17.15 0.00 -0.29	17.48 0.01 0.00	43.10 0.00 0.00	39.69 0.00 0.00	23.69 0.02 0.00	15.28 0.04 0.00	12.61 0.00 0.00	14.51 0.02 0.00	21.94 0.13 0.00	25.12 0.18 0.00	14.31 0.05 0.00	19.02 -0.04 0.00	20.97 0.11 0.00	32.69 0.28 0.00	31.14 0.34 0.00	32.72 0.17 0.00	31.56 0.18 0.00	36.18 0.54 0.00	30.95 0.53 0.00	26.40 0.48 0.00
ALCOA___DSASP 323711	21.61 -0.05 -0.97	18.60 0.05 -0.90	18.54 0.03 -0.90	20.13 0.04 -0.94	17.15 0.00 -0.29	17.48 0.01 0.00	43.10 0.00 0.00	39.69 0.00 0.00	23.69 0.02 0.00	15.28 0.04 0.00	12.61 0.00 0.00	14.51 0.02 0.00	21.94 0.13 0.00	25.12 0.19 0.00	14.31 0.05 0.00	19.02 -0.04 0.00	20.97 0.11 0.00	32.69 0.28 0.00	31.14 0.35 0.00	32.72 0.17 0.00	31.56 0.18 0.00	36.18 0.54 0.00	30.95 0.53 0.00	26.40 0.47 0.00
ALLEGHENY___COGEN 23514	20.59 -0.10 0.00	17.69 0.05 0.00	17.47 -0.14 0.00	19.04 -0.11 0.00	16.84 -0.03 0.00	17.56 0.09 0.00	43.47 0.37 0.00	39.84 0.15 0.00	23.78 0.10 0.00	15.37 0.13 0.00	12.25 -0.36 0.00	13.90 -0.59 0.00	20.96 -0.86 0.00	23.65 -1.28 0.00	13.48 -0.78 0.00	18.40 -0.66 0.00	19.75 -1.11 0.00	30.92 -1.49 0.00	29.62 -1.17 0.00	32.11 -0.43 0.00	31.81 0.43 0.00	35.74 0.10 0.00	30.86 0.44 0.00	26.45 0.53 0.00
ALTAMONT_115KV_TB 2 55880	21.16 0.46 0.00	17.99 0.34 0.00	18.01 0.40 0.00	19.56 0.41 0.00	17.22 0.36 0.00	17.81 0.34 0.00	43.91 0.81 0.00	40.45 0.75 0.00	24.02 0.34 0.00	15.48 0.24 0.00	12.86 0.25 0.00	14.81 0.31 0.00	22.28 0.47 0.00	25.45 0.52 0.00	14.63 0.38 0.00	19.57 0.51 0.00	21.28 0.42 0.00	33.06 0.65 0.00	31.38 0.58 0.00	33.22 0.68 0.00	32.00 0.62 0.00	36.19 0.55 0.00	30.78 0.36 0.00	26.15 0.23 0.00
ALTONA_WT_PWR 323606	-20.81 -1.11 40.39	-20.91 -0.79 37.76	-20.89 -0.76 37.74	-20.90 -0.78 39.27	3.84 -0.79 12.24	17.18 -0.29 0.00	43.23 0.13 0.00	40.85 1.16 0.00	24.45 0.78 0.00	15.68 0.44 0.00	12.96 0.34 0.00	14.69 0.20 0.00	22.28 0.47 0.00	25.83 0.90 0.00	15.07 0.81 0.00	20.04 0.98 0.00	21.99 1.13 0.00	34.53 2.12 0.00	32.82 2.03 0.00	34.75 2.20 0.00	33.41 2.03 0.00	37.95 2.31 0.00	32.28 1.86 0.00	27.25 1.33 0.00
AMERICAN_REF_FUEL 24010	19.10 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.29 0.00	17.85 -1.31 0.00	15.67 -1.19 0.00	16.25 -1.23 0.00	39.84 -3.26 0.00	36.35 -3.34 0.00	21.86 -1.81 0.00	13.96 -1.28 0.00	11.45 -1.16 0.00	13.21 -1.29 0.00	19.73 -2.09 0.00	22.33 -2.60 0.00	12.64 -1.62 0.00	17.04 -2.02 0.00	18.55 -2.31 0.00	28.74 -3.67 0.00	27.15 -3.64 0.00	29.15 -3.40 0.00	28.55 -2.83 0.00	32.02 -3.62 0.00	28.09 -2.33 0.00	24.37 -1.55 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	19.76 -0.93 0.00	16.87 -0.78 0.00	16.84 -0.77 0.00	18.50 -0.66 0.00	16.23 -0.63 0.00	16.72 -0.75 0.00	41.35 -1.75 0.00	37.58 -2.12 0.00	22.88 -0.79 0.00	14.60 -0.64 0.00	11.60 -1.01 0.00	13.50 -1.00 0.00	20.15 -1.67 0.00	22.58 -2.35 0.00	12.78 -1.48 0.00	17.30 -1.76 0.00	18.89 -1.97 0.00	29.90 -2.51 0.00	28.44 -2.35 0.00	31.02 -1.53 0.00	30.19 -1.19 0.00	33.79 -1.85 0.00	29.66 -0.76 0.00	25.59 -0.33 0.00
ARTHUR KILL_GT_1 23520	21.99 1.30 0.00	18.61 0.97 0.00	18.51 0.90 0.00	20.09 0.94 0.00	17.73 0.87 0.00	18.36 0.89 0.00	45.16 2.06 0.00	41.70 2.01 0.00	24.96 1.28 0.00	17.66 0.79 -1.62	13.57 0.63 -0.33	15.16 0.66 0.00	22.79 0.97 0.00	26.22 1.29 0.00	15.07 0.81 0.00	19.99 0.93 0.00	21.78 0.93 0.00	33.51 1.10 0.00	31.99 1.19 0.00	33.87 1.33 0.01	32.79 1.41 0.00	36.78 1.15 0.00	31.53 1.11 0.00	26.96 1.05 0.00
ARTHUR_KILL_2 23512	21.94 1.25 0.00	18.57 0.92 0.00	18.47 0.85 0.00	20.04 0.89 0.00	17.69 0.83 0.00	18.32 0.85 0.00	45.04 1.94 0.00	41.61 1.92 0.00	24.90 1.23 0.00	17.63 0.76 -1.62	13.55 0.61 -0.33	15.13 0.63 0.00	22.75 0.93 0.00	26.16 1.23 0.00	15.04 0.78 0.00	19.95 0.89 0.00	21.74 0.88 0.00	33.44 1.03 0.00	31.90 1.11 0.00	33.78 1.24 0.01	32.69 1.32 0.00	36.68 1.05 0.00	31.46 1.04 0.00	26.90 0.98 0.00
ARTHUR_KILL_3 23513	22.02 1.33 0.00	18.65 1.01 0.00	18.54 0.93 0.00	20.12 0.97 0.00	17.76 0.89 0.00	18.39 0.92 0.00	45.30 2.20 0.00	41.79 2.09 0.00	25.01 1.33 0.00	17.67 0.83 -1.61	13.63 0.69 -0.33	15.23 0.73 0.00	22.91 1.09 0.00	26.35 1.41 0.00	15.12 0.86 0.00	20.06 1.00 0.00	21.85 0.99 0.00	33.72 1.32 0.00	32.03 1.24 0.00	34.06 1.51 0.00	32.78 1.40 0.00	36.87 1.23 0.00	31.39 0.97 0.00	26.75 0.83 0.00



ARTHUR_KILL_COGEN 323718	21.99 1.30 0.00	18.61 0.97 0.00	18.51 0.90 0.00	20.09 0.94 0.00	17.73 0.87 0.00	18.36 0.89 0.00	45.16 2.06 0.00	41.70 2.01 0.00	24.96 1.28 0.00	17.66 0.79 -1.62	13.57 0.63 -0.33	15.16 0.66 0.00	22.79 0.97 0.00	26.22 1.29 0.00	15.07 0.81 0.00	19.99 0.93 0.00	21.78 0.93 0.00	33.51 1.10 0.00	31.99 1.19 0.00	33.87 1.33 0.01	32.79 1.41 0.00	36.78 1.15 0.00	31.53 1.11 0.00	26.96 1.05 0.00
ASHOKAN____ 23654	21.87 1.18 0.00	18.56 0.91 0.00	18.56 0.95 0.00	20.14 0.99 0.00	17.73 0.87 0.00	18.36 0.89 0.00	45.32 2.21 0.00	41.77 2.08 0.00	24.72 1.05 0.00	15.89 0.65 0.00	13.25 0.64 0.00	15.33 0.84 0.00	22.97 1.15 0.00	25.90 0.97 0.00	15.09 0.84 0.00	20.24 1.18 0.00	22.04 1.18 0.00	34.44 2.03 0.00	32.60 1.81 0.00	34.50 1.96 0.00	33.23 1.85 0.00	37.44 1.80 0.00	31.76 1.35 0.00	26.91 0.99 0.00
ASTORIA_EAST_ENERGY_CC1 323581	22.15 1.45 0.00	18.76 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.46 2.36 0.00	41.99 2.30 0.00	25.07 1.40 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.93 0.00	20.06 0.99 0.00	21.92 1.06 0.00	33.87 1.46 0.00	32.11 1.32 0.00	34.09 1.54 0.00	32.89 1.51 0.00	36.99 1.36 0.00	31.51 1.09 0.00	26.95 1.03 0.00
ASTORIA_EAST_ENERGY_CC2 323582	22.15 1.45 0.00	18.76 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.46 2.36 0.00	41.99 2.30 0.00	25.07 1.40 0.00	17.76 0.89 -1.62	13.70 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.93 0.00	20.05 0.99 0.00	21.92 1.06 0.00	33.87 1.46 0.00	32.11 1.32 0.00	34.09 1.54 0.00	32.89 1.51 0.00	36.99 1.36 0.00	31.51 1.09 0.00	26.96 1.04 0.00
ASTORIA_GT2_1 24094	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT2_2 24095	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT2_3 24096	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT2_4 24097	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT3_1 24098	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT3_2 24099	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT3_3 24100	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT3_4 24101	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT4_1 24102	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT4_2 24103	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT4_3 24104	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00



ASTORIA_GT4_4 24105	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.48 1.02 0.00	45.47 2.37 0.00	42.01 2.32 0.00	25.07 1.39 0.00	17.76 0.89 -1.62	13.69 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.11 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA_GT_1 23523	22.18 1.48 0.00	18.79 1.15 0.00	18.69 1.07 0.00	20.27 1.12 0.00	17.89 1.03 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.06 2.37 0.00	25.11 1.43 0.00	17.78 0.91 -1.62	13.71 0.78 -0.33	15.30 0.81 0.00	23.07 1.26 0.00	26.57 1.64 0.00	15.21 0.96 0.00	20.07 1.01 0.00	21.95 1.10 0.00	33.94 1.52 0.00	32.17 1.38 0.00	34.16 1.61 0.00	32.95 1.58 0.00	37.08 1.43 0.00	31.57 1.15 0.00	27.00 1.08 0.00
ASTORIA_GT_10 24110	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.32 2.22 0.00	41.82 2.13 0.00	25.01 1.34 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.42 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA_GT_11 24225	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.32 2.22 0.00	41.82 2.13 0.00	25.01 1.34 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.42 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA_GT_12 24226	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.32 2.22 0.00	41.82 2.13 0.00	25.01 1.34 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.42 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA_GT_13 24227	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.32 2.22 0.00	41.82 2.13 0.00	25.01 1.34 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.42 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA_GT_5 24106	22.17 1.48 0.00	18.79 1.15 0.00	18.69 1.07 0.00	20.27 1.12 0.00	17.89 1.02 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.06 2.37 0.00	25.10 1.43 0.00	17.78 0.91 -1.62	13.71 0.78 -0.33	15.30 0.81 0.00	23.07 1.26 0.00	26.57 1.64 0.00	15.21 0.96 0.00	20.07 1.02 0.00	21.95 1.10 0.00	33.94 1.52 0.00	32.17 1.38 0.00	34.16 1.61 0.00	32.95 1.58 0.00	37.08 1.44 0.00	31.57 1.15 0.00	27.00 1.08 0.00
ASTORIA_GT_7 24107	22.17 1.48 0.00	18.79 1.15 0.00	18.69 1.07 0.00	20.27 1.12 0.00	17.89 1.02 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.06 2.37 0.00	25.10 1.43 0.00	17.78 0.91 -1.62	13.71 0.78 -0.33	15.30 0.81 0.00	23.07 1.26 0.00	26.57 1.64 0.00	15.21 0.96 0.00	20.07 1.02 0.00	21.95 1.10 0.00	33.94 1.52 0.00	32.17 1.38 0.00	34.16 1.61 0.00	32.95 1.58 0.00	37.08 1.44 0.00	31.57 1.15 0.00	27.00 1.08 0.00
ASTORIA_GT_8 24108	22.17 1.48 0.00	18.79 1.15 0.00	18.69 1.07 0.00	20.27 1.12 0.00	17.89 1.02 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.06 2.37 0.00	25.10 1.43 0.00	17.78 0.91 -1.62	13.71 0.78 -0.33	15.30 0.81 0.00	23.07 1.26 0.00	26.57 1.64 0.00	15.21 0.96 0.00	20.07 1.02 0.00	21.95 1.10 0.00	33.94 1.52 0.00	32.17 1.38 0.00	34.16 1.61 0.00	32.95 1.58 0.00	37.08 1.44 0.00	31.57 1.15 0.00	27.00 1.08 0.00
ASTORIA___2 24149	22.15 1.45 0.00	18.76 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.46 2.36 0.00	41.99 2.30 0.00	25.07 1.40 0.00	17.76 0.89 -1.62	13.70 0.76 -0.33	15.28 0.79 0.00	23.04 1.22 0.00	26.53 1.60 0.00	15.19 0.94 0.00	20.06 1.00 0.00	21.92 1.07 0.00	33.88 1.47 0.00	32.12 1.33 0.00	34.10 1.56 0.00	32.91 1.53 0.00	37.01 1.37 0.00	31.53 1.11 0.00	26.96 1.04 0.00
ASTORIA___3 23516	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.42 0.95 0.00	45.32 2.21 0.00	41.82 2.13 0.00	25.02 1.35 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA___4 23517	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.43 0.95 0.00	45.32 2.22 0.00	41.82 2.13 0.00	25.01 1.34 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.42 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.84 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
ASTORIA___5 23518	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.42 0.95 0.00	45.32 2.21 0.00	41.82 2.13 0.00	25.02 1.35 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
AST_ENERGY_2_CC3 323677	22.04 1.35 0.00	18.68 1.04 0.00	18.57 0.96 0.00	20.15 1.00 0.00	17.78 0.92 0.00	18.41 0.94 0.00	45.34 2.23 0.00	41.80 2.11 0.00	25.02 1.35 0.00	17.70 0.85 -1.61	13.66 0.73 -0.33	15.26 0.77 0.00	22.97 1.15 0.00	26.40 1.47 0.00	15.15 0.90 0.00	20.11 1.05 0.00	21.88 1.03 0.00	33.78 1.37 0.00	32.07 1.28 0.00	34.09 1.55 0.00	32.82 1.45 0.00	36.93 1.29 0.00	31.44 1.03 0.00	26.80 0.88 0.00
AST_ENERGY_2_CC4 323678	22.04 1.35 0.00	18.68 1.04 0.00	18.57 0.96 0.00	20.15 1.00 0.00	17.78 0.92 0.00	18.41 0.94 0.00	45.34 2.23 0.00	41.80 2.11 0.00	25.02 1.35 0.00	17.70 0.85 -1.61	13.66 0.73 -0.33	15.26 0.77 0.00	22.97 1.15 0.00	26.40 1.47 0.00	15.15 0.90 0.00	20.11 1.05 0.00	21.88 1.03 0.00	33.78 1.37 0.00	32.07 1.28 0.00	34.09 1.55 0.00	32.82 1.45 0.00	36.93 1.29 0.00	31.44 1.03 0.00	26.80 0.88 0.00



ATHENS_STG_1 23668	21.40 0.71 0.00	18.18 0.54 0.00	18.21 0.59 0.00	19.77 0.61 0.00	17.41 0.54 0.00	17.99 0.52 0.00	44.32 1.22 0.00	40.85 1.16 0.00	24.30 0.63 0.00	15.63 0.39 0.00	12.98 0.38 0.00	14.92 0.43 0.00	22.46 0.65 0.00	25.71 0.78 0.00	14.80 0.54 0.00	19.76 0.70 0.00	21.44 0.58 0.00	33.26 0.85 0.00	31.57 0.78 0.00	33.46 0.91 0.00	32.23 0.85 0.00	36.40 0.77 0.00	30.97 0.55 0.00	26.32 0.41 0.00
ATHENS_STG_2 23670	21.40 0.71 0.00	18.18 0.54 0.00	18.21 0.59 0.00	19.77 0.61 0.00	17.41 0.54 0.00	17.99 0.52 0.00	44.32 1.22 0.00	40.85 1.16 0.00	24.30 0.63 0.00	15.63 0.39 0.00	12.98 0.38 0.00	14.92 0.43 0.00	22.46 0.65 0.00	25.71 0.78 0.00	14.80 0.54 0.00	19.76 0.70 0.00	21.44 0.58 0.00	33.26 0.85 0.00	31.57 0.78 0.00	33.46 0.91 0.00	32.23 0.85 0.00	36.40 0.77 0.00	30.97 0.55 0.00	26.32 0.41 0.00
ATHENS_STG_3 23677	21.40 0.71 0.00	18.18 0.54 0.00	18.21 0.59 0.00	19.77 0.61 0.00	17.41 0.54 0.00	17.99 0.52 0.00	44.32 1.22 0.00	40.85 1.16 0.00	24.30 0.63 0.00	15.63 0.39 0.00	12.98 0.38 0.00	14.92 0.43 0.00	22.46 0.65 0.00	25.71 0.78 0.00	14.80 0.54 0.00	19.76 0.70 0.00	21.44 0.58 0.00	33.26 0.85 0.00	31.57 0.78 0.00	33.46 0.91 0.00	32.23 0.85 0.00	36.40 0.77 0.00	30.97 0.55 0.00	26.32 0.41 0.00
AUBURN___LFGE 323710	20.48 -0.21 0.00	17.48 -0.17 0.00	17.38 -0.23 0.00	18.92 -0.23 0.00	16.70 -0.16 0.00	17.32 -0.15 0.00	42.89 -0.21 0.00	39.51 -0.18 0.00	23.56 -0.12 0.00	15.14 -0.10 0.00	12.51 -0.10 0.00	14.35 -0.14 0.00	21.52 -0.29 0.00	24.48 -0.46 0.00	13.96 -0.30 0.00	18.92 -0.14 0.00	20.60 -0.25 0.00	31.90 -0.51 0.00	30.37 -0.42 0.00	32.36 -0.19 0.00	31.25 -0.13 0.00	35.26 -0.38 0.00	30.11 -0.30 0.00	25.80 -0.13 0.00
BABYLON_RES_REC 323704	22.26 1.57 0.00	18.85 1.20 0.00	18.77 1.16 0.00	20.33 1.18 0.00	17.94 1.08 0.00	18.65 1.19 0.00	45.91 2.80 0.00	41.91 2.22 0.00	25.26 1.59 0.00	16.21 0.96 0.00	13.36 0.75 0.00	15.22 0.73 0.00	23.05 1.23 0.00	30.79 1.86 -4.00	19.15 1.02 -3.88	20.12 1.05 0.00	21.86 1.00 0.00	33.59 1.18 0.00	31.84 1.05 0.00	33.99 1.45 0.00	32.78 1.41 0.00	37.12 1.48 0.00	31.68 1.26 0.00	26.97 1.05 0.00
BABYLON__69_KV_BK2 356345	22.51 1.82 0.00	19.05 1.40 0.00	18.97 1.35 0.00	20.55 1.39 0.00	18.13 1.27 0.00	18.86 1.39 0.00	46.40 3.29 0.00	42.37 2.68 0.00	25.53 1.86 0.00	16.37 1.13 0.00	13.48 0.87 0.00	15.36 0.87 0.00	23.28 1.46 0.00	31.12 2.19 -4.00	19.31 1.18 -3.88	20.30 1.24 0.00	22.07 1.22 0.00	33.91 1.49 0.00	32.13 1.34 0.00	34.34 1.79 0.00	33.12 1.75 0.00	37.54 1.90 0.00	32.03 1.62 0.00	27.27 1.35 0.00
BALL_HILL_WT_PWR 323825	19.78 -0.91 0.00	16.99 -0.65 0.00	16.78 -0.84 0.00	18.39 -0.76 0.00	16.20 -0.65 0.00	16.78 -0.70 0.00	41.41 -1.69 0.00	37.77 -1.92 0.00	22.78 -0.89 0.00	14.53 -0.71 0.00	11.80 -0.81 0.00	13.62 -0.88 0.00	20.34 -1.47 0.00	22.96 -1.97 0.00	13.01 -1.25 0.00	17.58 -1.48 0.00	19.10 -1.76 0.00	29.86 -2.55 0.00	28.28 -2.51 0.00	30.58 -1.96 0.00	29.85 -1.52 0.00	33.47 -2.17 0.00	29.27 -1.15 0.00	25.28 -0.63 0.00
BARON_WINDS___WT_PWR 323822	19.73 -0.96 0.00	16.90 -0.75 0.00	16.73 -0.89 0.00	18.24 -0.91 0.00	16.18 -0.68 0.00	16.89 -0.58 0.00	42.06 -1.04 0.00	38.54 -1.15 0.00	23.14 -0.53 0.00	14.81 -0.43 0.00	12.00 -0.61 0.00	13.67 -0.82 0.00	20.40 -1.42 0.00	23.19 -1.74 0.00	13.12 -1.13 0.00	17.86 -1.19 0.00	19.29 -1.57 0.00	30.05 -2.36 0.00	28.58 -2.21 0.00	31.01 -1.53 0.00	30.52 -0.85 0.00	34.32 -1.32 0.00	29.74 -0.68 0.00	25.50 -0.42 0.00
BARRETT_IC_1 23704	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_10 23701	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_11 23702	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_12 23703	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_2 23705	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_3 23706	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_4 23707	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00



BARRETT_IC_5 23708	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_6 23709	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_7 23710	22.03 1.33 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.45 2.35 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.82 1.58 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.45 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.15 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_8 23711	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT_IC_9 23700	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT___1 23545	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BARRETT___2 23546	22.03 1.34 0.00	18.68 1.03 0.00	18.58 0.97 0.00	20.13 0.98 0.00	17.77 0.91 0.00	18.46 0.99 0.00	45.44 2.34 0.00	41.54 1.85 0.00	25.01 1.34 0.00	16.09 0.85 0.00	13.29 0.68 0.00	15.15 0.66 0.00	22.93 1.11 0.00	31.81 1.57 -5.31	19.28 0.88 -4.15	20.02 0.96 0.00	21.77 0.91 0.00	33.44 1.03 0.00	31.65 0.85 0.00	33.74 1.19 0.00	32.50 1.12 0.00	36.78 1.14 0.00	31.37 0.95 0.00	26.75 0.83 0.00
BATAVIA___115KV_TB1 55881	19.97 -0.73 0.00	17.24 -0.40 0.00	16.99 -0.62 0.00	18.58 -0.58 0.00	16.33 -0.53 0.00	16.94 -0.53 0.00	41.63 -1.47 0.00	38.09 -1.61 0.00	22.94 -0.73 0.00	14.69 -0.55 0.00	11.97 -0.64 0.00	13.82 -0.67 0.00	20.62 -1.20 0.00	23.27 -1.66 0.00	13.30 -0.96 0.00	17.95 -1.11 0.00	19.53 -1.33 0.00	30.36 -2.05 0.00	28.62 -2.18 0.00	30.80 -1.74 0.00	30.16 -1.21 0.00	33.81 -1.83 0.00	29.42 -0.99 0.00	25.39 -0.53 0.00
BAYONEEC___CTG1 323682	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG10 323750	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG2 323683	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG3 323684	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG4 323685	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG5 323686	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG6 323687	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00



BAYONEEC___CTG7 323688	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG8 323689	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BAYONEEC___CTG9 323749	22.06 1.37 0.00	18.70 1.06 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.28 0.00	41.86 2.17 0.00	25.06 1.39 0.00	17.71 0.86 -1.61	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.42 1.49 0.00	15.15 0.90 0.00	20.12 1.06 0.00	21.90 1.04 0.00	33.82 1.41 0.00	32.10 1.31 0.00	34.13 1.59 0.00	32.87 1.49 0.00	36.98 1.34 0.00	31.49 1.07 0.00	26.84 0.92 0.00
BEACON___LESR 323632	21.24 0.55 0.00	18.05 0.40 0.00	18.05 0.44 0.00	19.63 0.48 0.00	17.25 0.39 0.00	17.88 0.40 0.00	44.18 1.08 0.00	40.66 0.97 0.00	24.12 0.45 0.00	15.55 0.31 0.00	12.93 0.32 0.00	14.91 0.42 0.00	22.40 0.58 0.00	25.58 0.65 0.00	14.73 0.47 0.00	19.68 0.62 0.00	21.39 0.54 0.00	33.32 0.91 0.00	31.55 0.76 0.00	33.46 0.92 0.00	32.17 0.79 0.00	36.32 0.68 0.00	30.86 0.45 0.00	26.17 0.25 0.00
BEAVER RIVER___HYD 24048	21.81 -1.01 -2.13	18.80 -0.84 -1.99	18.89 -0.71 -1.99	20.55 -0.67 -2.07	16.93 -0.57 -0.64	16.67 -0.80 0.00	41.09 -2.02 0.00	38.03 -1.66 0.00	23.03 -0.64 0.00	14.98 -0.27 0.00	12.20 -0.41 0.00	13.98 -0.52 0.00	21.62 -0.19 0.00	25.01 0.08 0.00	14.19 -0.07 0.00	18.90 -0.16 0.00	20.80 -0.06 0.00	32.44 0.03 0.00	30.83 0.04 0.00	32.64 0.10 0.00	31.52 0.15 0.00	35.85 0.20 0.00	30.30 -0.12 0.00	25.80 -0.12 0.00
BEEBEE_GT_13 23619	19.97 -0.73 0.00	17.18 -0.47 0.00	16.99 -0.63 0.00	18.53 -0.62 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.59 -1.52 0.00	38.14 -1.55 0.00	22.89 -0.79 0.00	14.69 -0.55 0.00	12.07 -0.54 0.00	13.88 -0.61 0.00	20.82 -1.00 0.00	23.62 -1.32 0.00	13.46 -0.80 0.00	18.18 -0.88 0.00	19.77 -1.09 0.00	30.69 -1.72 0.00	29.02 -1.77 0.00	31.03 -1.51 0.00	30.21 -1.16 0.00	33.99 -1.65 0.00	29.39 -1.03 0.00	25.26 -0.66 0.00
BENSHRST_27_KV_BENSHRST_1 355998	22.19 1.50 0.00	18.78 1.13 0.00	18.67 1.06 0.00	20.25 1.09 0.00	17.87 1.01 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.04 2.35 0.00	25.15 1.48 0.00	17.80 0.93 -1.62	13.73 0.79 -0.33	15.34 0.84 0.00	23.09 1.28 0.00	26.57 1.64 0.00	15.23 0.98 0.00	20.24 1.18 0.00	22.03 1.17 0.00	33.99 1.58 0.00	32.29 1.50 0.00	34.31 1.76 0.00	33.11 1.73 0.00	37.22 1.59 0.00	31.74 1.33 0.00	27.06 1.14 0.00
BETHLEHEM___GRP 23843	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.12 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.90 0.20 0.00	23.66 -0.02 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.66 0.16 0.00	21.99 0.17 0.00	25.12 0.19 0.00	14.49 0.24 0.00	19.32 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
BETHLEHEM___GS1 323560	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.13 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.91 0.22 0.00	23.66 -0.01 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.65 0.16 0.00	21.98 0.17 0.00	25.12 0.19 0.00	14.49 0.23 0.00	19.31 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
BETHLEHEM___GS2 323561	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.13 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.91 0.22 0.00	23.66 -0.01 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.65 0.16 0.00	21.98 0.17 0.00	25.12 0.19 0.00	14.49 0.23 0.00	19.31 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
BETHLEHEM___GS3 323562	20.87 0.17 0.00	17.74 0.09 0.00	17.76 0.14 0.00	19.28 0.13 0.00	16.96 0.10 0.00	17.56 0.08 0.00	43.33 0.23 0.00	39.91 0.22 0.00	23.66 -0.01 0.00	15.28 0.03 0.00	12.72 0.11 0.00	14.65 0.16 0.00	21.98 0.17 0.00	25.12 0.19 0.00	14.49 0.23 0.00	19.31 0.26 0.00	21.02 0.16 0.00	32.64 0.23 0.00	30.98 0.19 0.00	32.79 0.25 0.00	31.57 0.20 0.00	35.69 0.05 0.00	30.33 -0.08 0.00	25.76 -0.16 0.00
BETHLEHEM___STEEL 23779	19.72 -0.98 0.00	17.02 -0.63 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.77 -0.71 0.00	41.25 -1.85 0.00	37.66 -2.04 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.62 -0.88 0.00	20.35 -1.47 0.00	23.01 -1.92 0.00	13.03 -1.23 0.00	17.60 -1.45 0.00	19.12 -1.74 0.00	29.78 -2.63 0.00	28.16 -2.63 0.00	30.33 -2.21 0.00	29.69 -1.69 0.00	33.30 -2.34 0.00	29.11 -1.31 0.00	25.17 -0.75 0.00
BETHLHEM_115KV_TB1 79974	20.93 0.24 0.00	17.79 0.15 0.00	17.82 0.20 0.00	19.35 0.20 0.00	17.02 0.16 0.00	17.61 0.14 0.00	43.47 0.37 0.00	40.01 0.32 0.00	23.74 0.07 0.00	15.32 0.08 0.00	12.76 0.14 0.00	14.69 0.19 0.00	22.05 0.23 0.00	25.19 0.26 0.00	14.52 0.26 0.00	19.37 0.31 0.00	21.08 0.22 0.00	32.73 0.32 0.00	31.06 0.28 0.00	32.88 0.33 0.00	31.65 0.28 0.00	35.80 0.16 0.00	30.43 0.01 0.00	25.84 -0.08 0.00
BETHPAGE_CC_5 323564	22.21 1.52 0.00	18.81 1.17 0.00	18.73 1.12 0.00	20.29 1.14 0.00	17.91 1.04 0.00	18.61 1.14 0.00	45.82 2.72 0.00	41.87 2.18 0.00	25.22 1.55 0.00	16.20 0.96 0.00	13.36 0.75 0.00	15.24 0.74 0.00	23.07 1.25 0.00	30.79 1.82 -4.04	19.13 0.99 -3.89	20.13 1.07 0.00	21.89 1.04 0.00	33.65 1.24 0.00	31.88 1.09 0.00	34.01 1.47 0.00	32.79 1.42 0.00	37.09 1.46 0.00	31.64 1.22 0.00	26.94 1.02 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	19.80 -0.89 0.00	17.08 -0.56 0.00	16.81 -0.80 0.00	18.40 -0.76 0.00	16.23 -0.63 0.00	16.84 -0.63 0.00	41.43 -1.67 0.00	37.84 -1.85 0.00	22.78 -0.89 0.00	14.53 -0.71 0.00	11.88 -0.73 0.00	13.67 -0.82 0.00	20.42 -1.40 0.00	23.11 -1.82 0.00	13.09 -1.17 0.00	17.68 -1.38 0.00	19.19 -1.67 0.00	29.90 -2.51 0.00	28.29 -2.51 0.00	30.48 -2.07 0.00	29.82 -1.56 0.00	33.44 -2.20 0.00	29.23 -1.19 0.00	25.27 -0.65 0.00



BINGHAMTON___COGEN 23790	20.53 -0.16 0.00	17.50 -0.15 0.00	17.41 -0.21 0.00	18.99 -0.17 0.00	16.77 -0.09 0.00	17.39 -0.08 0.00	43.08 -0.03 0.00	39.57 -0.12 0.00	23.71 0.04 0.00	15.21 -0.03 0.00	12.57 -0.04 0.00	14.42 -0.08 0.00	21.56 -0.25 0.00	24.65 -0.28 0.00	14.05 -0.20 0.00	18.91 -0.15 0.00	20.58 -0.28 0.00	31.94 -0.47 0.00	30.28 -0.51 0.00	32.30 -0.24 0.00	31.28 -0.09 0.00	35.25 -0.39 0.00	30.24 -0.18 0.00	25.86 -0.06 0.00
BIXINCNT_115KV_LOAD 355685	19.97 -0.72 0.00	17.12 -0.53 0.00	16.77 -0.84 0.00	18.34 -0.81 0.00	16.43 -0.43 0.00	17.13 -0.34 0.00	42.18 -0.92 0.00	38.56 -1.13 0.00	23.16 -0.51 0.00	14.78 -0.47 0.00	11.86 -0.75 0.00	13.63 -0.86 0.00	20.25 -1.56 0.00	22.84 -2.10 0.00	13.01 -1.24 0.00	17.53 -1.53 0.00	18.94 -1.92 0.00	29.80 -2.61 0.00	28.40 -2.39 0.00	30.92 -1.62 0.00	30.36 -1.01 0.00	33.86 -1.78 0.00	29.69 -0.73 0.00	25.68 -0.24 0.00
BLACK RIVER___HYD 24047	20.97 -1.21 -1.49	18.02 -1.03 -1.39	18.09 -0.92 -1.39	19.78 -0.82 -1.45	16.62 -0.69 -0.45	16.50 -0.97 0.00	40.72 -2.39 0.00	37.67 -2.02 0.00	22.90 -0.77 0.00	14.92 -0.32 0.00	12.11 -0.50 0.00	13.76 -0.73 0.00	21.47 -0.34 0.00	24.90 -0.03 0.00	14.09 -0.17 0.00	18.83 -0.23 0.00	20.72 -0.13 0.00	32.35 -0.06 0.00	30.66 -0.13 0.00	32.57 0.02 0.00	31.52 0.14 0.00	35.70 0.06 0.00	30.11 -0.31 0.00	25.67 -0.25 0.00
BLACKRVR_115KV_TB2 79977	20.97 -1.21 -1.49	18.02 -1.03 -1.39	18.09 -0.92 -1.39	19.78 -0.82 -1.45	16.62 -0.69 -0.45	16.50 -0.97 0.00	40.72 -2.39 0.00	37.67 -2.02 0.00	22.90 -0.77 0.00	14.92 -0.32 0.00	12.11 -0.50 0.00	13.76 -0.73 0.00	21.47 -0.34 0.00	24.90 -0.03 0.00	14.09 -0.17 0.00	18.83 -0.23 0.00	20.72 -0.14 0.00	32.34 -0.06 0.00	30.66 -0.13 0.00	32.57 0.02 0.00	31.52 0.14 0.00	35.70 0.06 0.00	30.11 -0.31 0.00	25.67 -0.25 0.00
BLISS_WT_PWR 323608	19.91 -0.78 0.00	17.06 -0.59 0.00	16.68 -0.93 0.00	18.24 -0.92 0.00	16.40 -0.46 0.00	17.13 -0.34 0.00	42.17 -0.93 0.00	38.55 -1.14 0.00	23.13 -0.54 0.00	14.76 -0.48 0.00	11.79 -0.82 0.00	13.55 -0.94 0.00	20.09 -1.73 0.00	22.63 -2.31 0.00	12.91 -1.35 0.00	17.37 -1.69 0.00	18.75 -2.11 0.00	29.61 -2.80 0.00	28.28 -2.51 0.00	30.88 -1.66 0.00	30.37 -1.01 0.00	33.81 -1.83 0.00	29.69 -0.73 0.00	25.69 -0.23 0.00
BLUESTONE___WT_PWR 323821	20.12 -0.57 0.00	17.10 -0.55 0.00	17.09 -0.52 0.00	18.91 -0.24 0.00	16.94 0.08 0.00	17.80 0.33 0.00	44.10 1.00 0.00	40.29 0.60 0.00	24.64 0.97 0.00	15.93 0.69 0.00	13.15 0.54 0.00	14.95 0.46 0.00	21.85 0.04 0.00	24.96 0.03 0.00	13.94 -0.32 0.00	19.19 0.13 0.00	21.27 0.42 0.00	32.82 0.41 0.00	31.82 1.03 0.00	33.16 0.62 0.00	32.27 0.89 0.00	35.81 0.17 0.00	31.42 1.00 0.00	26.74 0.82 0.00
BLUE_CIRC_CHEM_DRP 24182	21.19 0.50 0.00	18.02 0.37 0.00	18.06 0.45 0.00	19.60 0.45 0.00	17.25 0.39 0.00	17.85 0.38 0.00	44.01 0.90 0.00	40.42 0.73 0.00	23.98 0.30 0.00	15.46 0.21 0.00	12.87 0.26 0.00	14.84 0.34 0.00	22.31 0.49 0.00	25.37 0.43 0.00	14.62 0.37 0.00	19.56 0.50 0.00	21.34 0.49 0.00	33.13 0.72 0.00	31.45 0.65 0.00	33.29 0.74 0.00	32.04 0.66 0.00	36.24 0.60 0.00	30.83 0.41 0.00	26.20 0.28 0.00
BOC_GAS_DRP 24189	21.11 0.41 0.00	17.95 0.30 0.00	17.97 0.36 0.00	19.52 0.37 0.00	17.18 0.32 0.00	17.77 0.30 0.00	43.79 0.69 0.00	40.33 0.64 0.00	23.97 0.30 0.00	15.44 0.20 0.00	12.83 0.23 0.00	14.77 0.28 0.00	22.20 0.39 0.00	25.37 0.44 0.00	14.60 0.35 0.00	19.51 0.45 0.00	21.21 0.35 0.00	32.93 0.52 0.00	31.26 0.47 0.00	33.09 0.55 0.00	31.87 0.50 0.00	36.05 0.41 0.00	30.67 0.25 0.00	26.07 0.15 0.00
BOONVILLE_115KV_TB1 79983	21.33 -0.18 -0.82	18.24 -0.16 -0.76	18.28 -0.09 -0.76	19.89 -0.06 -0.79	17.08 -0.03 -0.25	17.35 -0.12 0.00	42.83 -0.27 0.00	39.54 -0.15 0.00	23.76 0.09 0.00	15.37 0.13 0.00	12.64 0.03 0.00	14.54 0.05 0.00	22.10 0.28 0.00	25.37 0.44 0.00	14.47 0.22 0.00	19.34 0.29 0.00	21.21 0.35 0.00	33.02 0.61 0.00	31.35 0.56 0.00	33.20 0.66 0.00	32.04 0.66 0.00	36.30 0.66 0.00	30.82 0.40 0.00	26.24 0.32 0.00
BORALEX_4TH_BRANCH 23824	21.46 0.76 0.00	18.23 0.58 0.00	18.27 0.65 0.00	19.82 0.67 0.00	17.38 0.51 0.00	18.05 0.57 0.00	44.55 1.44 0.00	41.06 1.37 0.00	24.06 0.39 0.00	15.43 0.18 0.00	12.84 0.23 0.00	14.90 0.41 0.00	22.57 0.75 0.00	25.84 0.91 0.00	14.89 0.64 0.00	19.98 0.92 0.00	21.66 0.80 0.00	33.71 1.30 0.00	31.89 1.09 0.00	33.80 1.26 0.00	32.49 1.12 0.00	36.85 1.21 0.00	31.23 0.81 0.00	26.38 0.46 0.00
BOWLINE___1 23526	21.74 1.04 0.00	18.40 0.76 0.00	18.33 0.71 0.00	19.90 0.75 0.00	17.55 0.69 0.00	18.19 0.72 0.00	44.87 1.76 0.00	41.39 1.70 0.00	24.70 1.03 0.00	15.86 0.62 0.00	13.12 0.51 0.00	15.04 0.55 0.00	22.64 0.82 0.00	26.02 1.09 0.00	14.94 0.68 0.00	19.85 0.79 0.00	21.63 0.77 0.00	33.49 1.08 0.00	31.79 1.00 0.00	33.80 1.26 0.00	32.55 1.18 0.00	36.68 1.04 0.00	31.19 0.77 0.00	26.54 0.62 0.00
BOWLINE___2 23595	21.74 1.04 0.00	18.40 0.76 0.00	18.33 0.71 0.00	19.90 0.75 0.00	17.55 0.69 0.00	18.19 0.72 0.00	44.87 1.76 0.00	41.40 1.70 0.00	24.70 1.03 0.00	15.86 0.62 0.00	13.12 0.51 0.00	15.04 0.55 0.00	22.64 0.83 0.00	26.02 1.09 0.00	14.94 0.68 0.00	19.85 0.79 0.00	21.63 0.77 0.00	33.49 1.08 0.00	31.79 1.00 0.00	33.80 1.26 0.00	32.55 1.18 0.00	36.68 1.04 0.00	31.19 0.77 0.00	26.54 0.62 0.00
BRADY___115KV_TB2 356060	23.26 0.04 -2.53	20.14 0.13 -2.36	20.09 0.11 -2.36	21.73 0.12 -2.46	17.70 0.07 -0.77	17.54 0.07 0.00	43.25 0.15 0.00	39.77 0.08 0.00	23.67 0.00 0.00	15.29 0.04 0.00	12.60 -0.01 0.00	14.52 0.03 0.00	22.03 0.21 0.00	25.31 0.37 0.00	14.40 0.15 0.00	19.10 0.04 0.00	21.08 0.22 0.00	32.88 0.46 0.00	31.33 0.54 0.00	32.93 0.39 0.00	31.77 0.39 0.00	36.47 0.83 0.00	31.17 0.75 0.00	26.56 0.64 0.00
BRANSCOMB___SOLAR 323811	21.39 0.70 0.00	18.19 0.54 0.00	18.21 0.60 0.00	19.79 0.64 0.00	17.37 0.51 0.00	18.02 0.55 0.00	44.51 1.40 0.00	40.99 1.30 0.00	24.16 0.49 0.00	15.57 0.33 0.00	12.97 0.36 0.00	14.99 0.49 0.00	22.64 0.82 0.00	25.85 0.92 0.00	14.89 0.64 0.00	19.96 0.91 0.00	21.64 0.79 0.00	33.77 1.36 0.00	31.99 1.20 0.00	33.88 1.34 0.00	32.63 1.26 0.00	36.88 1.24 0.00	31.25 0.83 0.00	26.45 0.53 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	22.45 1.75 0.00	19.02 1.37 0.00	18.95 1.33 0.00	20.52 1.37 0.00	18.11 1.25 0.00	18.84 1.37 0.00	46.33 3.22 0.00	42.29 2.59 0.00	25.47 1.80 0.00	16.36 1.12 0.00	13.47 0.86 0.00	15.35 0.86 0.00	23.26 1.44 0.00	31.01 2.13 -3.95	19.27 1.15 -3.87	20.29 1.23 0.00	22.04 1.19 0.00	33.80 1.39 0.00	31.99 1.20 0.00	34.16 1.61 0.00	32.96 1.59 0.00	37.36 1.73 0.00	31.91 1.49 0.00	27.19 1.27 0.00



BRISTLHL_115KV_TB1 79998	20.12 -0.57 0.00	17.17 -0.48 0.00	17.09 -0.52 0.00	18.60 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.95 -1.15 0.00	38.58 -1.12 0.00	23.07 -0.61 0.00	14.85 -0.39 0.00	12.28 -0.33 0.00	14.08 -0.41 0.00	21.15 -0.67 0.00	24.16 -0.77 0.00	13.80 -0.46 0.00	18.55 -0.51 0.00	20.26 -0.60 0.00	31.45 -0.96 0.00	29.80 -0.99 0.00	31.66 -0.89 0.00	30.62 -0.76 0.00	34.60 -1.04 0.00	29.56 -0.86 0.00	25.22 -0.70 0.00
BROOKHAVEN___DRP 24191	22.52 1.83 0.00	19.03 1.38 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.92 1.46 0.00	46.46 3.35 0.00	42.51 2.81 0.00	25.59 1.91 0.00	16.40 1.16 0.00	13.48 0.87 0.00	15.37 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.31 1.19 -3.87	20.32 1.26 0.00	22.01 1.16 0.00	33.63 1.22 0.00	31.74 0.95 0.00	33.93 1.38 0.00	32.76 1.38 0.00	37.30 1.66 0.00	31.97 1.56 0.00	27.16 1.24 0.00
BROOKLYN_NAVY_YARD 23515	22.06 1.36 0.00	18.69 1.05 0.00	18.59 0.97 0.00	20.17 1.02 0.00	17.79 0.93 0.00	18.42 0.95 0.00	45.35 2.24 0.00	41.84 2.15 0.00	25.04 1.37 0.00	17.70 0.85 -1.61	13.66 0.73 -0.33	15.26 0.77 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.14 0.89 0.00	20.10 1.04 0.00	21.88 1.02 0.00	33.79 1.37 0.00	32.07 1.28 0.00	34.08 1.54 0.00	32.82 1.45 0.00	36.92 1.28 0.00	31.44 1.02 0.00	26.81 0.89 0.00
BROOKLYN___ARMY_DRP 323595	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
BROOKVLE_69_KV_TB1 55790	22.16 1.47 0.00	18.77 1.13 0.00	18.68 1.07 0.00	20.26 1.10 0.00	17.86 1.00 0.00	18.54 1.07 0.00	45.69 2.59 0.00	41.89 2.20 0.00	25.18 1.51 0.00	16.18 0.94 0.00	13.36 0.75 0.00	15.26 0.77 0.00	23.07 1.25 0.00	30.79 1.73 -4.13	19.12 0.96 -3.91	20.16 1.10 0.00	21.95 1.09 0.00	33.82 1.42 0.00	32.07 1.28 0.00	34.17 1.62 0.00	32.93 1.56 0.00	37.17 1.53 0.00	31.66 1.24 0.00	26.96 1.04 0.00
BROOME_2_LFGE 323671	20.53 -0.16 0.00	17.50 -0.15 0.00	17.41 -0.21 0.00	18.99 -0.17 0.00	16.77 -0.09 0.00	17.39 -0.08 0.00	43.08 -0.03 0.00	39.57 -0.12 0.00	23.71 0.04 0.00	15.21 -0.03 0.00	12.57 -0.04 0.00	14.42 -0.08 0.00	21.56 -0.25 0.00	24.65 -0.28 0.00	14.05 -0.20 0.00	18.91 -0.15 0.00	20.58 -0.28 0.00	31.94 -0.47 0.00	30.28 -0.51 0.00	32.30 -0.24 0.00	31.28 -0.09 0.00	35.25 -0.39 0.00	30.24 -0.18 0.00	25.86 -0.06 0.00
BROOME___LFGE 323600	20.53 -0.16 0.00	17.50 -0.15 0.00	17.41 -0.21 0.00	18.99 -0.17 0.00	16.77 -0.09 0.00	17.39 -0.08 0.00	43.08 -0.03 0.00	39.57 -0.12 0.00	23.71 0.04 0.00	15.21 -0.03 0.00	12.57 -0.04 0.00	14.42 -0.08 0.00	21.56 -0.25 0.00	24.65 -0.28 0.00	14.05 -0.20 0.00	18.91 -0.15 0.00	20.58 -0.28 0.00	31.94 -0.47 0.00	30.28 -0.51 0.00	32.30 -0.24 0.00	31.28 -0.09 0.00	35.25 -0.39 0.00	30.24 -0.18 0.00	25.86 -0.06 0.00
BROWNFLS_115KV_TB_3_5 80003	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.68 -0.10 0.00	32.35 -0.20 0.00	31.17 -0.21 0.00	35.72 0.08 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00
BROWNSV1_27_KV_LOAD 356125	22.25 1.55 0.00	18.85 1.20 0.00	18.74 1.12 0.00	20.33 1.18 0.00	17.93 1.07 0.00	18.57 1.10 0.00	45.74 2.64 0.00	42.20 2.50 0.00	25.25 1.58 0.00	17.84 0.99 -1.61	13.77 0.84 -0.32	15.40 0.90 0.00	23.17 1.36 0.00	26.66 1.73 0.00	15.28 1.02 0.00	20.29 1.24 0.00	22.08 1.23 0.00	34.11 1.70 0.00	32.38 1.59 0.00	34.45 1.90 0.00	33.18 1.81 0.00	37.33 1.69 0.00	31.79 1.37 0.00	27.08 1.16 0.00
BURROWS___LYONSDAL 23803	21.33 -0.43 -1.07	18.28 -0.37 -1.00	18.35 -0.27 -1.00	19.97 -0.23 -1.04	17.01 -0.18 -0.33	17.15 -0.32 0.00	42.33 -0.77 0.00	39.13 -0.56 0.00	23.57 -0.11 0.00	15.27 0.03 0.00	12.52 -0.09 0.00	14.40 -0.10 0.00	21.98 0.17 0.00	25.30 0.36 0.00	14.41 0.16 0.00	19.24 0.18 0.00	21.12 0.27 0.00	32.91 0.50 0.00	31.25 0.46 0.00	33.10 0.55 0.00	31.94 0.57 0.00	36.22 0.58 0.00	30.70 0.28 0.00	26.14 0.23 0.00
CAITHNESS_CC_1 323624	22.49 1.79 0.00	19.01 1.36 0.00	18.96 1.35 0.00	20.54 1.39 0.00	18.13 1.27 0.00	18.89 1.42 0.00	46.39 3.28 0.00	42.40 2.71 0.00	25.54 1.87 0.00	16.38 1.14 0.00	13.47 0.86 0.00	15.35 0.86 0.00	23.29 1.47 0.00	31.08 2.21 -3.94	19.29 1.17 -3.87	20.29 1.23 0.00	22.01 1.15 0.00	33.63 1.23 0.00	31.77 0.98 0.00	33.95 1.41 0.00	32.77 1.39 0.00	37.28 1.63 0.00	31.93 1.51 0.00	27.14 1.22 0.00
CALPINE BETH_PAGE_GT4 24209	22.19 1.50 0.00	18.80 1.16 0.00	18.72 1.11 0.00	20.28 1.13 0.00	17.89 1.03 0.00	18.60 1.13 0.00	45.79 2.69 0.00	41.86 2.17 0.00	25.20 1.53 0.00	16.19 0.95 0.00	13.36 0.75 0.00	15.23 0.74 0.00	23.06 1.24 0.00	30.83 1.81 -4.08	19.13 0.98 -3.90	20.12 1.06 0.00	21.89 1.03 0.00	33.66 1.25 0.00	31.89 1.10 0.00	34.02 1.48 0.00	32.79 1.41 0.00	37.09 1.45 0.00	31.62 1.21 0.00	26.94 1.02 0.00
CALPINE_BETH_PAGE_GT_4 323586	22.19 1.50 0.00	18.80 1.16 0.00	18.72 1.11 0.00	20.28 1.13 0.00	17.90 1.03 0.00	18.60 1.13 0.00	45.79 2.69 0.00	41.85 2.15 0.00	25.21 1.54 0.00	16.19 0.95 0.00	13.36 0.75 0.00	15.23 0.74 0.00	23.06 1.24 0.00	30.82 1.81 -4.08	19.13 0.98 -3.90	20.12 1.06 0.00	21.89 1.03 0.00	33.66 1.25 0.00	31.89 1.10 0.00	34.02 1.47 0.00	32.79 1.41 0.00	37.08 1.44 0.00	31.62 1.21 0.00	26.93 1.01 0.00
CALPINE_BP_GT1 23823	22.19 1.50 0.00	18.80 1.16 0.00	18.72 1.11 0.00	20.28 1.13 0.00	17.90 1.03 0.00	18.60 1.13 0.00	45.79 2.69 0.00	41.85 2.15 0.00	25.21 1.54 0.00	16.19 0.95 0.00	13.36 0.75 0.00	15.23 0.74 0.00	23.06 1.24 0.00	30.82 1.81 -4.08	19.13 0.98 -3.90	20.12 1.06 0.00	21.89 1.03 0.00	33.66 1.25 0.00	31.89 1.10 0.00	34.02 1.47 0.00	32.79 1.41 0.00	37.08 1.44 0.00	31.62 1.21 0.00	26.93 1.01 0.00
CALSPAN___DRP 24200	19.72 -0.98 0.00	17.02 -0.63 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.77 -0.71 0.00	41.25 -1.85 0.00	37.66 -2.04 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.62 -0.88 0.00	20.35 -1.47 0.00	23.01 -1.92 0.00	13.03 -1.23 0.00	17.60 -1.45 0.00	19.12 -1.74 0.00	29.78 -2.63 0.00	28.16 -2.63 0.00	30.33 -2.21 0.00	29.69 -1.69 0.00	33.30 -2.34 0.00	29.11 -1.31 0.00	25.17 -0.75 0.00



CALVERTON___SOLAR 323806	22.56 1.86 0.00	19.04 1.40 0.00	19.02 1.40 0.00	20.60 1.45 0.00	18.18 1.32 0.00	18.96 1.49 0.00	46.53 3.43 0.00	42.58 2.89 0.00	25.63 1.96 0.00	16.42 1.18 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.33 1.52 0.00	31.19 2.32 -3.94	19.33 1.21 -3.87	20.33 1.27 0.00	22.02 1.16 0.00	33.62 1.21 0.00	31.72 0.93 0.00	33.93 1.38 0.00	32.75 1.38 0.00	37.32 1.68 0.00	32.01 1.60 0.00	27.18 1.26 0.00
CANDIGU_WT_PWR 323617	19.73 -0.96 0.00	16.90 -0.75 0.00	16.73 -0.89 0.00	18.24 -0.91 0.00	16.18 -0.68 0.00	16.89 -0.58 0.00	42.06 -1.04 0.00	38.54 -1.15 0.00	23.14 -0.53 0.00	14.81 -0.43 0.00	12.00 -0.61 0.00	13.67 -0.82 0.00	20.40 -1.42 0.00	23.19 -1.74 0.00	13.12 -1.13 0.00	17.86 -1.19 0.00	19.29 -1.57 0.00	30.05 -2.36 0.00	28.58 -2.21 0.00	31.01 -1.53 0.00	30.52 -0.85 0.00	34.32 -1.32 0.00	29.74 -0.68 0.00	25.50 -0.42 0.00
CARR STREET_E_SYR 24060	20.30 -0.39 0.00	17.33 -0.32 0.00	17.24 -0.37 0.00	18.76 -0.39 0.00	16.54 -0.32 0.00	17.14 -0.33 0.00	42.34 -0.76 0.00	38.93 -0.77 0.00	23.27 -0.40 0.00	14.98 -0.27 0.00	12.39 -0.22 0.00	14.22 -0.28 0.00	21.33 -0.49 0.00	24.36 -0.57 0.00	13.91 -0.34 0.00	18.71 -0.35 0.00	20.42 -0.44 0.00	31.71 -0.70 0.00	30.06 -0.73 0.00	31.94 -0.61 0.00	30.89 -0.49 0.00	34.87 -0.77 0.00	29.82 -0.59 0.00	25.46 -0.46 0.00
CARTHAGE___PAPER 23857	21.48 -0.95 -1.74	18.48 -0.79 -1.63	18.57 -0.67 -1.62	20.25 -0.59 -1.69	16.89 -0.49 -0.53	16.73 -0.74 0.00	41.27 -1.83 0.00	38.20 -1.49 0.00	23.15 -0.52 0.00	15.07 -0.17 0.00	12.26 -0.34 0.00	13.98 -0.51 0.00	21.74 -0.07 0.00	25.17 0.24 0.00	14.26 0.00 0.00	19.02 -0.04 0.00	20.94 0.08 0.00	32.68 0.27 0.00	31.02 0.23 0.00	32.89 0.34 0.00	31.78 0.40 0.00	36.07 0.43 0.00	30.46 0.05 0.00	25.95 0.03 0.00
CASSADAGA_WT_PWR 323784	19.89 -0.80 0.00	16.99 -0.66 0.00	16.99 -0.63 0.00	18.66 -0.49 0.00	16.35 -0.51 0.00	16.84 -0.63 0.00	41.65 -1.46 0.00	37.86 -1.83 0.00	23.06 -0.62 0.00	14.76 -0.48 0.00	11.65 -0.96 0.00	13.60 -0.90 0.00	20.30 -1.52 0.00	22.67 -2.26 0.00	12.82 -1.44 0.00	17.36 -1.70 0.00	18.96 -1.90 0.00	30.10 -2.31 0.00	28.62 -2.17 0.00	31.36 -1.19 0.00	30.51 -0.86 0.00	34.11 -1.53 0.00	29.96 -0.46 0.00	25.84 -0.08 0.00
CE_DUNWOOD___DRP 24194	21.91 1.22 0.00	18.56 0.92 0.00	18.49 0.88 0.00	20.06 0.91 0.00	17.69 0.83 0.00	18.33 0.85 0.00	45.17 2.07 0.00	41.63 1.94 0.00	24.86 1.19 0.00	15.98 0.73 0.00	13.23 0.62 0.00	15.16 0.67 0.00	22.83 1.02 0.00	26.25 1.32 0.00	15.06 0.80 0.00	20.02 0.97 0.00	21.78 0.93 0.00	33.70 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.98 0.00	26.72 0.80 0.00
CE_MILLWOOD___DRP 24193	21.87 1.17 0.00	18.53 0.88 0.00	18.46 0.84 0.00	20.03 0.88 0.00	17.66 0.79 0.00	18.30 0.83 0.00	45.10 1.99 0.00	41.58 1.88 0.00	24.82 1.15 0.00	15.95 0.70 0.00	13.21 0.60 0.00	15.14 0.64 0.00	22.79 0.98 0.00	26.20 1.27 0.00	15.04 0.78 0.00	19.99 0.93 0.00	21.75 0.89 0.00	33.66 1.25 0.00	31.96 1.17 0.00	33.97 1.42 0.00	32.71 1.33 0.00	36.86 1.22 0.00	31.35 0.93 0.00	26.69 0.77 0.00
CE_NYC2_DRP 24202	22.07 1.37 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.86 2.17 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.11 1.06 0.00	21.90 1.05 0.00	33.82 1.41 0.00	32.11 1.32 0.00	34.11 1.56 0.00	32.88 1.51 0.00	37.01 1.37 0.00	31.52 1.10 0.00	26.86 0.94 0.00
CE_NYC_DRP 24195	22.09 1.40 0.00	18.73 1.08 0.00	18.62 1.01 0.00	20.21 1.06 0.00	17.82 0.95 0.00	18.46 0.99 0.00	45.45 2.34 0.00	41.92 2.23 0.00	25.08 1.41 0.00	17.73 0.88 -1.61	13.69 0.75 -0.32	15.29 0.80 0.00	23.02 1.20 0.00	26.47 1.54 0.00	15.18 0.92 0.00	20.16 1.10 0.00	21.93 1.07 0.00	33.87 1.46 0.00	32.16 1.37 0.00	34.19 1.65 0.00	32.92 1.55 0.00	37.04 1.41 0.00	31.54 1.12 0.00	26.88 0.96 0.00
CHAFFEE___LFGE 323603	19.89 -0.80 0.00	17.16 -0.49 0.00	16.89 -0.72 0.00	18.47 -0.68 0.00	16.28 -0.58 0.00	16.89 -0.59 0.00	41.59 -1.52 0.00	37.98 -1.71 0.00	22.89 -0.78 0.00	14.62 -0.63 0.00	11.95 -0.66 0.00	13.74 -0.75 0.00	20.54 -1.28 0.00	23.21 -1.72 0.00	13.15 -1.11 0.00	17.79 -1.27 0.00	19.28 -1.58 0.00	30.05 -2.36 0.00	28.44 -2.35 0.00	30.63 -1.92 0.00	30.00 -1.38 0.00	33.63 -2.01 0.00	29.35 -1.07 0.00	25.33 -0.58 0.00
CHATEAUG_35_KV_LOAD 355732	-22.53 -0.69 42.53	-22.63 -0.52 39.76	-22.66 -0.54 39.74	-22.77 -0.58 41.35	3.52 -0.46 12.88	17.28 -0.19 0.00	43.11 0.01 0.00	40.18 0.49 0.00	24.05 0.38 0.00	15.45 0.21 0.00	12.72 0.11 0.00	14.51 0.02 0.00	21.99 0.17 0.00	25.39 0.45 0.00	14.67 0.42 0.00	19.53 0.47 0.00	21.48 0.62 0.00	33.63 1.22 0.00	32.03 1.24 0.00	33.77 1.22 0.00	32.55 1.17 0.00	37.14 1.50 0.00	31.65 1.23 0.00	26.86 0.94 0.00
CHATEAUG_WT_PWR 323614	-20.02 -0.89 39.83	-20.28 -0.69 37.23	-20.30 -0.70 37.21	-20.33 -0.76 38.72	4.20 -0.60 12.07	17.21 -0.26 0.00	43.03 -0.07 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.46 0.22 0.00	12.75 0.14 0.00	14.51 0.02 0.00	22.00 0.18 0.00	25.41 0.47 0.00	14.72 0.47 0.00	19.59 0.53 0.00	21.54 0.68 0.00	33.72 1.31 0.00	32.08 1.29 0.00	33.86 1.32 0.00	32.60 1.23 0.00	37.16 1.52 0.00	31.64 1.22 0.00	26.82 0.91 0.00
CHAT_HIGH_FALL_HYD 323578	-22.53 -0.69 42.53	-22.63 -0.52 39.76	-22.66 -0.54 39.74	-22.77 -0.58 41.35	3.52 -0.46 12.88	17.28 -0.19 0.00	43.11 0.01 0.00	40.18 0.49 0.00	24.05 0.38 0.00	15.45 0.21 0.00	12.72 0.11 0.00	14.51 0.02 0.00	21.99 0.17 0.00	25.39 0.45 0.00	14.67 0.42 0.00	19.53 0.47 0.00	21.48 0.62 0.00	33.63 1.22 0.00	32.03 1.24 0.00	33.77 1.22 0.00	32.55 1.17 0.00	37.14 1.50 0.00	31.65 1.23 0.00	26.86 0.94 0.00
CHAUTAUQUA___LFGE 323629	19.89 -0.80 0.00	17.02 -0.63 0.00	16.88 -0.74 0.00	18.52 -0.63 0.00	16.30 -0.57 0.00	16.84 -0.63 0.00	41.66 -1.45 0.00	37.94 -1.75 0.00	22.98 -0.69 0.00	14.65 -0.59 0.00	11.79 -0.82 0.00	13.64 -0.85 0.00	20.37 -1.45 0.00	22.94 -1.99 0.00	12.99 -1.27 0.00	17.58 -1.48 0.00	19.11 -1.74 0.00	30.04 -2.37 0.00	28.49 -2.30 0.00	30.96 -1.59 0.00	30.17 -1.20 0.00	33.80 -1.85 0.00	29.57 -0.84 0.00	25.52 -0.40 0.00
CHERRYST_13_KV_LD 356241	22.14 1.45 0.00	18.76 1.12 0.00	18.66 1.04 0.00	20.25 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.55 2.45 0.00	42.01 2.32 0.00	25.15 1.47 0.00	17.77 0.92 -1.61	13.72 0.78 -0.32	15.33 0.84 0.00	23.07 1.26 0.00	26.53 1.60 0.00	15.21 0.96 0.00	20.21 1.15 0.00	21.99 1.13 0.00	33.95 1.54 0.00	32.23 1.44 0.00	34.28 1.74 0.00	33.01 1.64 0.00	37.13 1.49 0.00	31.62 1.20 0.00	26.94 1.03 0.00



CHESTROR_138KV_BK263 355645	21.59 0.90 0.00	18.30 0.65 0.00	18.23 0.62 0.00	19.79 0.64 0.00	17.46 0.60 0.00	18.09 0.62 0.00	44.62 1.52 0.00	41.16 1.47 0.00	24.54 0.86 0.00	15.76 0.52 0.00	13.04 0.43 0.00	14.97 0.47 0.00	22.53 0.71 0.00	25.84 0.91 0.00	14.83 0.57 0.00	19.73 0.67 0.00	21.49 0.63 0.00	33.32 0.91 0.00	31.67 0.88 0.00	33.65 1.11 0.00	32.43 1.05 0.00	36.56 0.92 0.00	31.08 0.67 0.00	26.46 0.53 0.00
CH_MIDHUDSON___DRP 24192	22.05 1.35 0.00	18.68 1.03 0.00	18.63 1.01 0.00	20.22 1.06 0.00	17.82 0.95 0.00	18.47 1.00 0.00	45.54 2.44 0.00	41.99 2.30 0.00	24.99 1.32 0.00	16.04 0.80 0.00	13.31 0.70 0.00	15.32 0.83 0.00	23.05 1.23 0.00	26.35 1.42 0.00	15.18 0.93 0.00	20.25 1.19 0.00	22.00 1.14 0.00	34.18 1.77 0.00	32.45 1.66 0.00	34.47 1.93 0.00	33.21 1.83 0.00	37.41 1.77 0.00	31.78 1.36 0.00	27.00 1.08 0.00
CH_MISC_IPPS 23765	22.02 1.33 0.00	18.66 1.01 0.00	18.60 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.93 2.24 0.00	24.99 1.31 0.00	16.04 0.79 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00
CH_RES_BVR_FALLS 23983	20.21 -0.49 0.00	17.34 -0.31 0.00	17.36 -0.25 0.00	18.92 -0.23 0.00	16.65 -0.21 0.00	17.23 -0.24 0.00	42.46 -0.64 0.00	39.16 -0.53 0.00	23.42 -0.25 0.00	15.14 -0.10 0.00	12.42 -0.19 0.00	14.27 -0.22 0.00	21.69 -0.13 0.00	24.91 -0.03 0.00	14.22 -0.03 0.00	18.91 -0.15 0.00	20.74 -0.11 0.00	32.44 0.03 0.00	30.88 0.08 0.00	32.52 -0.02 0.00	31.37 0.00 0.00	35.78 0.14 0.00	30.45 0.03 0.00	26.03 0.12 0.00
CH_RES_NIAGARA 23895	19.09 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.86 -1.30 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.79 -3.31 0.00	36.30 -3.40 0.00	21.83 -1.84 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.97 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
CH_RES_SYRACUSE 23985	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.63 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.84 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
CLINTON_WT_PWR 323605	-20.02 -0.89 39.83	-20.28 -0.69 37.23	-20.30 -0.70 37.21	-20.33 -0.76 38.72	4.20 -0.60 12.07	17.21 -0.26 0.00	43.03 -0.07 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.46 0.22 0.00	12.75 0.14 0.00	14.51 0.02 0.00	22.00 0.18 0.00	25.41 0.47 0.00	14.72 0.47 0.00	19.59 0.53 0.00	21.54 0.68 0.00	33.72 1.31 0.00	32.08 1.29 0.00	33.86 1.32 0.00	32.60 1.23 0.00	37.16 1.52 0.00	31.64 1.22 0.00	26.82 0.91 0.00
CLINTON___LFGE 323618	-20.83 -0.79 40.74	-21.02 -0.58 38.08	-21.02 -0.57 38.07	-21.05 -0.59 39.60	3.96 -0.56 12.34	17.33 -0.14 0.00	43.48 0.38 0.00	40.90 1.20 0.00	24.46 0.79 0.00	15.68 0.44 0.00	12.94 0.33 0.00	14.71 0.21 0.00	22.32 0.50 0.00	25.87 0.94 0.00	15.04 0.79 0.00	20.01 0.95 0.00	21.98 1.13 0.00	34.49 2.08 0.00	32.79 2.00 0.00	34.70 2.15 0.00	33.39 2.01 0.00	37.95 2.31 0.00	32.27 1.85 0.00	27.26 1.34 0.00
COBBLENY_34_KV_TB1 80064	19.89 -0.80 0.00	17.16 -0.49 0.00	16.89 -0.73 0.00	18.47 -0.68 0.00	16.29 -0.58 0.00	16.89 -0.59 0.00	41.58 -1.52 0.00	37.98 -1.71 0.00	22.90 -0.77 0.00	14.62 -0.63 0.00	11.95 -0.66 0.00	13.74 -0.75 0.00	20.53 -1.29 0.00	23.21 -1.72 0.00	13.15 -1.11 0.00	17.79 -1.27 0.00	19.28 -1.58 0.00	30.05 -2.36 0.00	28.44 -2.35 0.00	30.63 -1.92 0.00	30.00 -1.37 0.00	33.63 -2.01 0.00	29.35 -1.07 0.00	25.33 -0.58 0.00
COFFEEN___115KV_TB3 355620	21.04 -1.10 -1.45	18.06 -0.94 -1.35	18.12 -0.85 -1.35	19.82 -0.74 -1.41	16.68 -0.62 -0.44	16.59 -0.88 0.00	40.93 -2.17 0.00	37.86 -1.84 0.00	23.01 -0.67 0.00	14.97 -0.27 0.00	12.17 -0.43 0.00	13.77 -0.72 0.00	21.55 -0.27 0.00	24.99 0.06 0.00	14.12 -0.13 0.00	18.90 -0.16 0.00	20.79 -0.07 0.00	32.46 0.05 0.00	30.74 -0.05 0.00	32.67 0.12 0.00	31.66 0.29 0.00	35.84 0.20 0.00	30.22 -0.20 0.00	25.74 -0.18 0.00
COLDSPRG_115KV_BK1 355956	20.46 -0.23 0.00	17.51 -0.14 0.00	17.36 -0.25 0.00	19.01 -0.15 0.00	16.75 -0.11 0.00	17.33 -0.15 0.00	42.85 -0.25 0.00	39.11 -0.58 0.00	23.68 0.00 0.00	15.12 -0.12 0.00	12.19 -0.41 0.00	14.09 -0.40 0.00	21.06 -0.75 0.00	23.78 -1.15 0.00	13.45 -0.80 0.00	18.23 -0.83 0.00	19.80 -1.06 0.00	31.01 -1.40 0.00	29.30 -1.49 0.00	31.85 -0.69 0.00	31.06 -0.31 0.00	34.75 -0.89 0.00	30.34 -0.07 0.00	26.19 0.27 0.00
COLONIE_LFGE___ 323577	21.27 0.57 0.00	18.08 0.43 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.26 0.40 0.00	17.90 0.43 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.03 0.36 0.00	15.47 0.22 0.00	12.87 0.26 0.00	14.86 0.36 0.00	22.41 0.59 0.00	25.63 0.70 0.00	14.75 0.50 0.00	19.75 0.69 0.00	21.46 0.60 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.51 0.96 0.00	32.25 0.88 0.00	36.49 0.85 0.00	30.98 0.56 0.00	26.24 0.32 0.00
COOPERNY_115KV_TB1 80082	21.32 0.63 0.00	18.09 0.45 0.00	18.03 0.42 0.00	19.59 0.43 0.00	17.27 0.41 0.00	17.90 0.43 0.00	44.16 1.06 0.00	40.70 1.01 0.00	24.30 0.63 0.00	15.61 0.37 0.00	12.91 0.30 0.00	14.82 0.33 0.00	22.28 0.47 0.00	25.54 0.61 0.00	14.64 0.39 0.00	19.51 0.45 0.00	21.27 0.41 0.00	32.98 0.57 0.00	31.33 0.55 0.00	33.29 0.74 0.00	32.09 0.72 0.00	36.22 0.58 0.00	30.85 0.43 0.00	26.28 0.36 0.00
COPENHAGEN_WT_PWR 323753	20.63 -1.43 -1.37	17.72 -1.21 -1.28	17.80 -1.09 -1.28	19.53 -0.96 -1.33	16.47 -0.81 -0.42	16.35 -1.12 0.00	40.30 -2.80 0.00	37.35 -2.35 0.00	22.76 -0.91 0.00	14.85 -0.39 0.00	12.00 -0.61 0.00	13.69 -0.81 0.00	21.36 -0.46 0.00	24.82 -0.11 0.00	14.04 -0.22 0.00	18.76 -0.30 0.00	20.66 -0.20 0.00	32.25 -0.16 0.00	30.57 -0.22 0.00	32.47 -0.07 0.00	31.43 0.05 0.00	35.59 -0.05 0.00	29.98 -0.44 0.00	25.59 -0.33 0.00
CORNELL_____ 23752	20.71 0.01 0.00	17.65 0.00 0.00	17.54 -0.08 0.00	19.11 -0.05 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.40 0.29 0.00	39.88 0.19 0.00	23.86 0.19 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.50 0.01 0.00	21.68 -0.14 0.00	24.74 -0.19 0.00	14.08 -0.18 0.00	19.05 -0.01 0.00	20.74 -0.12 0.00	32.20 -0.21 0.00	30.66 -0.13 0.00	32.68 0.13 0.00	31.63 0.26 0.00	35.64 0.00 0.00	30.50 0.08 0.00	26.06 0.14 0.00



CORONA__69_KV_TB1 355595	22.16 1.47 0.00	18.78 1.14 0.00	18.69 1.08 0.00	20.25 1.10 0.00	17.87 1.00 0.00	18.56 1.09 0.00	45.71 2.61 0.00	41.83 2.14 0.00	25.17 1.50 0.00	16.17 0.93 0.00	13.36 0.75 0.00	15.24 0.75 0.00	23.06 1.24 0.00	31.44 1.74 -4.77	19.25 0.96 -4.04	20.14 1.08 0.00	21.91 1.05 0.00	33.71 1.30 0.00	31.95 1.16 0.00	34.06 1.52 0.00	32.82 1.44 0.00	37.10 1.46 0.00	31.61 1.19 0.00	26.94 1.02 0.00
CORTLAND__115KV_TB3 80093	20.88 0.19 0.00	17.80 0.15 0.00	17.74 0.12 0.00	19.31 0.16 0.00	17.04 0.18 0.00	17.65 0.18 0.00	43.66 0.56 0.00	40.15 0.46 0.00	24.03 0.36 0.00	15.48 0.24 0.00	12.83 0.22 0.00	14.71 0.22 0.00	22.06 0.24 0.00	25.15 0.21 0.00	14.39 0.13 0.00	19.34 0.28 0.00	21.13 0.28 0.00	32.94 0.53 0.00	31.24 0.45 0.00	33.17 0.63 0.00	32.09 0.71 0.00	36.21 0.57 0.00	30.89 0.47 0.00	26.31 0.39 0.00
COXSACKIE__GT 23611	21.91 1.21 0.00	18.63 0.98 0.00	18.66 1.04 0.00	20.25 1.10 0.00	17.81 0.94 0.00	18.44 0.97 0.00	45.58 2.48 0.00	41.92 2.23 0.00	24.65 0.97 0.00	15.91 0.67 0.00	13.25 0.64 0.00	15.49 0.99 0.00	23.16 1.35 0.00	25.92 0.99 0.00	14.94 0.69 0.00	20.25 1.19 0.00	22.34 1.48 0.00	34.88 2.47 0.00	33.02 2.23 0.00	34.92 2.37 0.00	33.57 2.20 0.00	37.86 2.22 0.00	32.09 1.67 0.00	27.16 1.24 0.00
CPV_VALLEY__CC1 323721	21.42 0.73 0.00	18.17 0.52 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.33 0.47 0.00	17.96 0.49 0.00	44.27 1.17 0.00	40.84 1.15 0.00	24.36 0.69 0.00	15.66 0.42 0.00	12.96 0.35 0.00	14.87 0.37 0.00	22.37 0.55 0.00	25.66 0.73 0.00	14.73 0.47 0.00	19.61 0.55 0.00	21.36 0.50 0.00	33.10 0.69 0.00	31.43 0.64 0.00	33.39 0.84 0.00	32.18 0.80 0.00	36.29 0.64 0.00	30.87 0.45 0.00	26.28 0.37 0.00
CPV_VALLEY__CC2 323722	21.42 0.73 0.00	18.17 0.52 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.33 0.47 0.00	17.96 0.49 0.00	44.27 1.17 0.00	40.84 1.15 0.00	24.36 0.69 0.00	15.66 0.42 0.00	12.96 0.35 0.00	14.87 0.37 0.00	22.37 0.55 0.00	25.66 0.73 0.00	14.73 0.47 0.00	19.61 0.55 0.00	21.36 0.50 0.00	33.10 0.69 0.00	31.43 0.64 0.00	33.39 0.84 0.00	32.18 0.80 0.00	36.29 0.64 0.00	30.87 0.45 0.00	26.28 0.37 0.00
CRESCENT__HYD 24018	21.27 0.57 0.00	18.08 0.43 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.26 0.40 0.00	17.90 0.43 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.03 0.36 0.00	15.47 0.22 0.00	12.87 0.26 0.00	14.86 0.36 0.00	22.41 0.59 0.00	25.63 0.70 0.00	14.75 0.50 0.00	19.75 0.69 0.00	21.46 0.60 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.51 0.96 0.00	32.25 0.88 0.00	36.49 0.85 0.00	30.98 0.56 0.00	26.24 0.32 0.00
CRICKET__VALLEY_CC1 323756	21.56 0.87 0.00	18.29 0.64 0.00	18.25 0.63 0.00	19.80 0.64 0.00	17.42 0.56 0.00	18.06 0.59 0.00	44.50 1.40 0.00	41.04 1.34 0.00	24.37 0.69 0.00	15.66 0.42 0.00	13.00 0.39 0.00	14.93 0.44 0.00	22.48 0.67 0.00	25.86 0.92 0.00	14.90 0.64 0.00	19.86 0.80 0.00	21.54 0.68 0.00	33.43 1.02 0.00	31.77 0.97 0.00	33.74 1.19 0.00	32.46 1.09 0.00	36.60 0.95 0.00	31.09 0.67 0.00	26.37 0.45 0.00
CRICKET__VALLEY_CC2 323757	21.56 0.87 0.00	18.29 0.64 0.00	18.25 0.63 0.00	19.80 0.64 0.00	17.42 0.56 0.00	18.06 0.59 0.00	44.50 1.40 0.00	41.04 1.34 0.00	24.37 0.69 0.00	15.66 0.42 0.00	13.00 0.39 0.00	14.93 0.44 0.00	22.48 0.67 0.00	25.86 0.92 0.00	14.90 0.64 0.00	19.86 0.80 0.00	21.54 0.68 0.00	33.43 1.02 0.00	31.77 0.97 0.00	33.74 1.19 0.00	32.46 1.09 0.00	36.60 0.95 0.00	31.09 0.67 0.00	26.37 0.45 0.00
CRICKET__VALLEY_CC3 323758	21.56 0.87 0.00	18.29 0.64 0.00	18.25 0.63 0.00	19.80 0.64 0.00	17.42 0.56 0.00	18.06 0.59 0.00	44.50 1.40 0.00	41.04 1.34 0.00	24.37 0.69 0.00	15.66 0.42 0.00	13.00 0.39 0.00	14.93 0.44 0.00	22.48 0.67 0.00	25.86 0.92 0.00	14.90 0.64 0.00	19.86 0.80 0.00	21.54 0.68 0.00	33.43 1.02 0.00	31.77 0.97 0.00	33.74 1.19 0.00	32.46 1.09 0.00	36.60 0.95 0.00	31.09 0.67 0.00	26.37 0.45 0.00
CRUCIBLE_METL_DRP 24180	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
DAHOWA__HYDRO 323763	21.39 0.70 0.00	18.19 0.54 0.00	18.21 0.60 0.00	19.79 0.64 0.00	17.36 0.50 0.00	18.03 0.56 0.00	44.53 1.43 0.00	41.04 1.35 0.00	24.18 0.50 0.00	15.58 0.34 0.00	12.99 0.38 0.00	15.01 0.52 0.00	22.69 0.88 0.00	25.89 0.96 0.00	14.92 0.67 0.00	20.01 0.95 0.00	21.67 0.82 0.00	33.85 1.44 0.00	32.06 1.27 0.00	33.94 1.40 0.00	32.71 1.34 0.00	36.94 1.30 0.00	31.28 0.87 0.00	26.45 0.53 0.00
DANC__LFGE 323619	20.57 -1.07 -0.95	17.63 -0.91 -0.89	17.65 -0.85 -0.89	19.29 -0.78 -0.92	16.49 -0.66 -0.29	16.60 -0.87 0.00	40.96 -2.15 0.00	37.80 -1.89 0.00	22.86 -0.81 0.00	14.86 -0.39 0.00	12.12 -0.49 0.00	13.85 -0.65 0.00	21.30 -0.51 0.00	24.59 -0.34 0.00	13.95 -0.31 0.00	18.67 -0.39 0.00	20.49 -0.37 0.00	31.92 -0.49 0.00	30.25 -0.54 0.00	32.14 -0.40 0.00	31.09 -0.28 0.00	35.18 -0.46 0.00	29.79 -0.62 0.00	25.43 -0.49 0.00
DANSKAMMER__1 23586	22.02 1.33 0.00	18.66 1.01 0.00	18.60 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.93 2.24 0.00	24.99 1.31 0.00	16.04 0.79 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00
DANSKAMMER__2 23589	22.02 1.33 0.00	18.66 1.01 0.00	18.60 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.93 2.24 0.00	24.99 1.31 0.00	16.04 0.79 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00
DANSKAMMER__3 23590	22.02 1.33 0.00	18.66 1.01 0.00	18.60 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.93 2.24 0.00	24.99 1.31 0.00	16.04 0.79 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00



DANSKAMMER___4 23591	22.02 1.33 0.00	18.66 1.01 0.00	18.60 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.93 2.24 0.00	24.99 1.31 0.00	16.04 0.79 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00
DANSKAMMER___DIESEL 23592	22.02 1.33 0.00	18.66 1.01 0.00	18.59 0.98 0.00	20.18 1.03 0.00	17.79 0.93 0.00	18.44 0.97 0.00	45.49 2.38 0.00	41.95 2.26 0.00	24.99 1.31 0.00	16.04 0.80 0.00	13.30 0.69 0.00	15.30 0.80 0.00	23.01 1.19 0.00	26.32 1.39 0.00	15.15 0.90 0.00	20.20 1.14 0.00	21.95 1.09 0.00	34.10 1.69 0.00	32.38 1.59 0.00	34.41 1.87 0.00	33.15 1.78 0.00	37.34 1.70 0.00	31.73 1.31 0.00	26.96 1.04 0.00
DARBY___SOLAR 323810	21.40 0.71 0.00	18.19 0.55 0.00	18.22 0.61 0.00	19.80 0.64 0.00	17.38 0.52 0.00	18.03 0.56 0.00	44.52 1.42 0.00	41.02 1.33 0.00	24.19 0.52 0.00	15.58 0.34 0.00	12.98 0.37 0.00	15.00 0.51 0.00	22.66 0.84 0.00	25.88 0.94 0.00	14.91 0.66 0.00	19.98 0.92 0.00	21.65 0.80 0.00	33.79 1.38 0.00	32.02 1.23 0.00	33.90 1.36 0.00	32.66 1.29 0.00	36.90 1.26 0.00	31.27 0.86 0.00	26.47 0.55 0.00
DASHVILLE___HYD 23610	21.94 1.25 0.00	18.59 0.94 0.00	18.54 0.92 0.00	20.12 0.96 0.00	17.74 0.88 0.00	18.36 0.89 0.00	45.24 2.13 0.00	41.75 2.06 0.00	24.90 1.24 0.00	15.99 0.75 0.00	13.24 0.63 0.00	15.21 0.71 0.00	22.88 1.06 0.00	26.25 1.31 0.00	15.11 0.86 0.00	20.12 1.06 0.00	21.81 0.95 0.00	33.86 1.45 0.00	32.16 1.37 0.00	34.14 1.60 0.00	32.90 1.53 0.00	37.05 1.42 0.00	31.51 1.09 0.00	26.80 0.88 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	22.62 1.92 0.00	19.08 1.43 0.00	19.05 1.43 0.00	20.64 1.49 0.00	18.22 1.35 0.00	19.01 1.54 0.00	46.68 3.58 0.00	42.72 3.03 0.00	25.71 2.04 0.00	16.46 1.22 0.00	13.51 0.90 0.00	15.38 0.89 0.00	23.39 1.58 0.00	31.31 2.45 -3.94	19.34 1.22 -3.87	20.36 1.31 0.00	22.08 1.22 0.00	33.66 1.25 0.00	31.78 0.99 0.00	34.01 1.47 0.00	32.84 1.47 0.00	37.43 1.79 0.00	32.10 1.68 0.00	27.22 1.31 0.00
DELAWARE___LFGE 323621	21.04 0.35 0.00	17.91 0.27 0.00	17.84 0.23 0.00	19.44 0.29 0.00	17.16 0.30 0.00	17.81 0.34 0.00	44.00 0.90 0.00	40.51 0.82 0.00	24.25 0.58 0.00	15.59 0.35 0.00	12.89 0.28 0.00	14.79 0.29 0.00	22.17 0.36 0.00	25.34 0.40 0.00	14.46 0.21 0.00	19.38 0.32 0.00	21.18 0.32 0.00	32.84 0.43 0.00	31.23 0.43 0.00	33.15 0.61 0.00	32.02 0.64 0.00	36.13 0.49 0.00	30.90 0.48 0.00	26.36 0.44 0.00
DERFIELD_115KV_TB7 355931	20.76 0.06 0.00	17.68 0.03 0.00	17.66 0.05 0.00	19.21 0.06 0.00	16.91 0.05 0.00	17.51 0.04 0.00	43.21 0.10 0.00	39.81 0.12 0.00	23.72 0.05 0.00	15.27 0.03 0.00	12.65 0.04 0.00	14.54 0.05 0.00	21.90 0.08 0.00	25.03 0.10 0.00	14.34 0.08 0.00	19.17 0.11 0.00	20.92 0.06 0.00	32.52 0.11 0.00	30.89 0.09 0.00	32.68 0.13 0.00	31.49 0.12 0.00	35.70 0.06 0.00	30.42 0.01 0.00	25.90 -0.02 0.00
DOGLEVILLE___HYD 23807	20.29 -0.41 0.00	17.21 -0.44 0.00	17.21 -0.40 0.00	18.74 -0.42 0.00	16.55 -0.31 0.00	17.22 -0.25 0.00	42.63 -0.47 0.00	39.32 -0.37 0.00	23.37 -0.30 0.00	15.03 -0.21 0.00	12.51 -0.10 0.00	14.40 -0.09 0.00	21.71 -0.11 0.00	24.77 -0.17 0.00	14.21 -0.04 0.00	19.08 0.02 0.00	20.71 -0.15 0.00	32.20 -0.21 0.00	30.64 -0.15 0.00	32.45 -0.09 0.00	31.27 -0.11 0.00	35.28 -0.36 0.00	29.90 -0.52 0.00	25.29 -0.62 0.00
DUNKIRK___115KV_TB_200 55889	19.89 -0.80 0.00	17.03 -0.61 0.00	16.86 -0.75 0.00	18.50 -0.65 0.00	16.29 -0.57 0.00	16.84 -0.63 0.00	41.66 -1.45 0.00	37.97 -1.73 0.00	22.99 -0.68 0.00	14.65 -0.60 0.00	11.82 -0.79 0.00	13.66 -0.83 0.00	20.39 -1.42 0.00	22.99 -1.94 0.00	13.02 -1.24 0.00	17.62 -1.44 0.00	19.14 -1.71 0.00	30.04 -2.37 0.00	28.48 -2.31 0.00	30.91 -1.64 0.00	30.14 -1.24 0.00	33.76 -1.88 0.00	29.53 -0.89 0.00	25.49 -0.43 0.00
DUNKIRK___1 23563	19.89 -0.80 0.00	17.03 -0.61 0.00	16.86 -0.75 0.00	18.50 -0.65 0.00	16.29 -0.57 0.00	16.84 -0.63 0.00	41.66 -1.45 0.00	37.97 -1.73 0.00	22.99 -0.68 0.00	14.65 -0.60 0.00	11.82 -0.79 0.00	13.66 -0.83 0.00	20.39 -1.42 0.00	22.99 -1.94 0.00	13.02 -1.24 0.00	17.62 -1.44 0.00	19.14 -1.71 0.00	30.04 -2.37 0.00	28.48 -2.31 0.00	30.91 -1.64 0.00	30.14 -1.24 0.00	33.76 -1.88 0.00	29.53 -0.89 0.00	25.49 -0.43 0.00
DUNKIRK___2 23564	19.89 -0.80 0.00	17.03 -0.61 0.00	16.86 -0.75 0.00	18.50 -0.65 0.00	16.29 -0.57 0.00	16.84 -0.63 0.00	41.66 -1.45 0.00	37.97 -1.73 0.00	22.99 -0.68 0.00	14.65 -0.60 0.00	11.82 -0.79 0.00	13.66 -0.83 0.00	20.39 -1.42 0.00	22.99 -1.94 0.00	13.02 -1.24 0.00	17.62 -1.44 0.00	19.14 -1.71 0.00	30.04 -2.37 0.00	28.48 -2.31 0.00	30.91 -1.64 0.00	30.14 -1.24 0.00	33.76 -1.88 0.00	29.53 -0.89 0.00	25.49 -0.43 0.00
DUNKIRK___3 23565	19.85 -0.85 0.00	17.03 -0.62 0.00	16.83 -0.79 0.00	18.44 -0.71 0.00	16.25 -0.61 0.00	16.82 -0.65 0.00	41.56 -1.54 0.00	37.90 -1.79 0.00	22.90 -0.78 0.00	14.59 -0.65 0.00	11.84 -0.77 0.00	13.67 -0.83 0.00	20.41 -1.41 0.00	23.05 -1.89 0.00	13.06 -1.20 0.00	17.66 -1.40 0.00	19.17 -1.68 0.00	29.98 -2.43 0.00	28.39 -2.40 0.00	30.73 -1.82 0.00	29.99 -1.39 0.00	33.61 -2.03 0.00	29.37 -1.05 0.00	25.36 -0.56 0.00
DUNKIRK___4 23566	19.85 -0.85 0.00	17.03 -0.62 0.00	16.83 -0.79 0.00	18.44 -0.71 0.00	16.25 -0.61 0.00	16.82 -0.65 0.00	41.56 -1.54 0.00	37.90 -1.79 0.00	22.90 -0.78 0.00	14.59 -0.65 0.00	11.84 -0.77 0.00	13.67 -0.83 0.00	20.41 -1.41 0.00	23.05 -1.89 0.00	13.06 -1.20 0.00	17.66 -1.40 0.00	19.17 -1.68 0.00	29.98 -2.43 0.00	28.39 -2.40 0.00	30.73 -1.82 0.00	29.99 -1.39 0.00	33.61 -2.03 0.00	29.37 -1.05 0.00	25.36 -0.56 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	21.95 1.26 0.00	18.61 0.96 0.00	18.53 0.91 0.00	20.10 0.95 0.00	17.72 0.86 0.00	18.36 0.89 0.00	45.26 2.15 0.00	41.71 2.02 0.00	24.91 1.24 0.00	16.01 0.77 0.00	13.27 0.65 0.00	15.19 0.70 0.00	22.89 1.07 0.00	26.32 1.38 0.00	15.09 0.83 0.00	20.06 1.00 0.00	21.82 0.96 0.00	33.76 1.34 0.00	32.04 1.25 0.00	34.05 1.51 0.00	32.79 1.41 0.00	36.94 1.30 0.00	31.44 1.02 0.00	26.77 0.85 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	21.80 1.10 0.00	18.47 0.82 0.00	18.40 0.78 0.00	19.97 0.82 0.00	17.61 0.75 0.00	18.26 0.78 0.00	45.02 1.92 0.00	41.52 1.83 0.00	24.75 1.08 0.00	15.89 0.65 0.00	13.16 0.54 0.00	15.12 0.62 0.00	22.75 0.93 0.00	26.07 1.13 0.00	14.98 0.73 0.00	19.95 0.89 0.00	21.69 0.83 0.00	33.67 1.26 0.00	32.00 1.21 0.00	34.00 1.46 0.00	32.76 1.39 0.00	36.91 1.27 0.00	31.38 0.96 0.00	26.69 0.77 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	22.06 1.37 0.00	18.70 1.05 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.80 0.94 0.00	18.42 0.95 0.00	45.33 2.23 0.00	41.87 2.17 0.00	25.00 1.33 0.00	17.71 0.84 -1.62	13.65 0.71 -0.33	15.25 0.75 0.00	22.97 1.15 0.00	26.45 1.52 0.00	15.16 0.91 0.00	20.07 1.01 0.00	21.89 1.04 0.00	33.82 1.41 0.00	32.09 1.30 0.00	34.10 1.56 0.00	32.91 1.54 0.00	37.01 1.37 0.00	31.52 1.10 0.00	26.88 0.97 0.00
E179THST_13_KV_LOAD 356214	22.15 1.45 0.00	18.76 1.12 0.00	18.66 1.04 0.00	20.24 1.08 0.00	17.86 1.00 0.00	18.48 1.01 0.00	45.49 2.39 0.00	42.01 2.32 0.00	25.09 1.42 0.00	17.76 0.90 -1.62	13.70 0.76 -0.33	15.31 0.81 0.00	23.06 1.24 0.00	26.55 1.62 0.00	15.22 0.96 0.00	20.15 1.09 0.00	21.98 1.13 0.00	33.96 1.55 0.00	32.22 1.43 0.00	34.25 1.70 0.00	33.04 1.67 0.00	37.17 1.53 0.00	31.64 1.22 0.00	26.99 1.07 0.00
EAST HAMPTON___GT 23717	22.53 1.84 0.00	19.00 1.35 0.00	18.97 1.36 0.00	20.55 1.40 0.00	18.14 1.28 0.00	18.93 1.46 0.00	46.51 3.40 0.00	42.56 2.87 0.00	25.63 1.96 0.00	16.39 1.15 0.00	13.44 0.83 0.00	15.30 0.81 0.00	23.30 1.48 0.00	31.30 2.43 -3.94	19.25 1.13 -3.87	20.27 1.21 0.00	22.00 1.15 0.00	33.55 1.14 0.00	31.70 0.91 0.00	33.94 1.39 0.00	32.75 1.37 0.00	37.30 1.66 0.00	31.98 1.57 0.00	27.10 1.18 0.00
EAST RIVER___6 23660	22.15 1.45 0.00	18.77 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.55 2.45 0.00	42.02 2.33 0.00	25.16 1.48 0.00	17.77 0.92 -1.61	13.72 0.79 -0.33	15.34 0.84 0.00	23.09 1.27 0.00	26.55 1.61 0.00	15.22 0.97 0.00	20.22 1.16 0.00	22.00 1.14 0.00	33.98 1.57 0.00	32.26 1.47 0.00	34.30 1.75 0.00	33.03 1.65 0.00	37.15 1.51 0.00	31.63 1.21 0.00	26.95 1.03 0.00
EAST RIVER___7 23524	22.15 1.45 0.00	18.77 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.55 2.45 0.00	42.02 2.33 0.00	25.16 1.48 0.00	17.77 0.92 -1.61	13.72 0.79 -0.33	15.34 0.84 0.00	23.09 1.27 0.00	26.55 1.61 0.00	15.22 0.97 0.00	20.22 1.16 0.00	22.00 1.14 0.00	33.98 1.57 0.00	32.26 1.47 0.00	34.30 1.75 0.00	33.03 1.65 0.00	37.15 1.51 0.00	31.63 1.21 0.00	26.95 1.03 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	21.91 1.22 0.00	18.56 0.92 0.00	18.49 0.88 0.00	20.06 0.91 0.00	17.69 0.83 0.00	18.33 0.85 0.00	45.17 2.07 0.00	41.63 1.94 0.00	24.86 1.19 0.00	15.98 0.73 0.00	13.23 0.62 0.00	15.16 0.67 0.00	22.83 1.02 0.00	26.25 1.32 0.00	15.06 0.80 0.00	20.02 0.97 0.00	21.78 0.93 0.00	33.70 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.98 0.00	26.72 0.80 0.00
EAST_HAMPTON___DIESEL 23722	22.49 1.80 0.00	18.96 1.31 0.00	18.93 1.32 0.00	20.51 1.36 0.00	18.11 1.25 0.00	18.90 1.43 0.00	46.42 3.32 0.00	42.48 2.79 0.00	25.58 1.91 0.00	16.36 1.12 0.00	13.42 0.81 0.00	15.27 0.78 0.00	23.25 1.44 0.00	31.26 2.39 -3.94	19.22 1.10 -3.87	20.23 1.18 0.00	21.96 1.11 0.00	33.49 1.08 0.00	31.64 0.85 0.00	33.87 1.33 0.00	32.69 1.31 0.00	37.24 1.60 0.00	31.93 1.51 0.00	27.05 1.13 0.00
EAST_POINT___SOLAR 323840	21.49 0.79 0.00	18.41 0.77 0.00	18.33 0.72 0.00	19.99 0.84 0.00	17.65 0.79 0.00	18.28 0.81 0.00	45.22 2.11 0.00	41.65 1.96 0.00	24.91 1.23 0.00	16.11 0.87 0.00	13.24 0.63 0.00	15.21 0.71 0.00	22.98 1.16 0.00	26.25 1.32 0.00	14.95 0.70 0.00	19.99 0.93 0.00	21.98 1.12 0.00	34.18 1.77 0.00	32.51 1.72 0.00	34.42 1.87 0.00	33.23 1.86 0.00	37.73 2.09 0.00	32.26 1.84 0.00	27.60 1.68 0.00
EAST_PULASKI___ESR 323781	19.99 -0.70 0.00	17.05 -0.59 0.00	17.01 -0.60 0.00	18.56 -0.59 0.00	16.36 -0.50 0.00	16.87 -0.60 0.00	41.66 -1.44 0.00	38.32 -1.37 0.00	23.02 -0.65 0.00	14.89 -0.35 0.00	12.26 -0.35 0.00	14.03 -0.46 0.00	21.28 -0.54 0.00	24.40 -0.53 0.00	13.88 -0.37 0.00	18.62 -0.44 0.00	20.38 -0.48 0.00	31.68 -0.73 0.00	30.00 -0.79 0.00	31.90 -0.64 0.00	30.85 -0.53 0.00	34.86 -0.77 0.00	29.69 -0.73 0.00	25.33 -0.58 0.00
EAST_RIVER___1 323558	22.09 1.40 0.00	18.73 1.08 0.00	18.62 1.00 0.00	20.21 1.05 0.00	17.82 0.96 0.00	18.45 0.99 0.00	45.44 2.34 0.00	41.91 2.22 0.00	25.09 1.42 0.00	17.73 0.88 -1.61	13.69 0.75 -0.33	15.29 0.80 0.00	23.02 1.20 0.00	26.47 1.54 0.00	15.18 0.92 0.00	20.16 1.10 0.00	21.93 1.07 0.00	33.87 1.46 0.00	32.16 1.37 0.00	34.19 1.65 0.00	32.92 1.55 0.00	37.04 1.41 0.00	31.53 1.12 0.00	26.87 0.96 0.00
EAST_RIVER___2 323559	22.15 1.45 0.00	18.77 1.12 0.00	18.66 1.05 0.00	20.24 1.09 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.55 2.45 0.00	42.02 2.33 0.00	25.16 1.48 0.00	17.77 0.92 -1.61	13.72 0.79 -0.33	15.34 0.84 0.00	23.09 1.27 0.00	26.55 1.61 0.00	15.22 0.97 0.00	20.22 1.16 0.00	22.00 1.14 0.00	33.98 1.57 0.00	32.26 1.47 0.00	34.30 1.75 0.00	33.03 1.65 0.00	37.15 1.51 0.00	31.63 1.21 0.00	26.95 1.03 0.00
EAST___DELAWARE_HYD 23607	22.13 1.44 0.00	18.76 1.11 0.00	18.67 1.06 0.00	20.28 1.13 0.00	17.89 1.02 0.00	18.54 1.07 0.00	45.72 2.62 0.00	42.18 2.49 0.00	25.14 1.47 0.00	16.11 0.86 0.00	13.29 0.68 0.00	15.34 0.85 0.00	23.03 1.22 0.00	26.31 1.37 0.00	15.17 0.92 0.00	20.22 1.16 0.00	21.85 1.00 0.00	34.18 1.77 0.00	32.45 1.65 0.00	34.51 1.97 0.00	33.29 1.92 0.00	37.49 1.86 0.00	31.87 1.45 0.00	27.09 1.17 0.00
EIGHT_POINT___WT_PWR 323820	19.36 -1.34 0.00	16.67 -0.98 0.00	16.49 -1.12 0.00	17.87 -1.28 0.00	15.99 -0.87 0.00	16.85 -0.61 0.00	42.06 -1.04 0.00	38.30 -1.39 0.00	23.06 -0.62 0.00	14.82 -0.42 0.00	11.84 -0.77 0.00	13.32 -1.17 0.00	20.01 -1.80 0.00	22.47 -2.46 0.00	12.73 -1.53 0.00	17.42 -1.64 0.00	18.96 -1.90 0.00	29.49 -2.92 0.00	27.93 -2.86 0.00	30.55 -1.99 0.00	30.66 -0.71 0.00	34.59 -1.05 0.00	29.94 -0.47 0.00	25.63 -0.29 0.00
ELBRIDGE_115KV_TB2 80188	20.31 -0.39 0.00	17.33 -0.32 0.00	17.24 -0.37 0.00	18.78 -0.38 0.00	16.55 -0.31 0.00	17.16 -0.31 0.00	42.41 -0.69 0.00	39.03 -0.67 0.00	23.31 -0.37 0.00	14.99 -0.25 0.00	12.39 -0.22 0.00	14.22 -0.28 0.00	21.34 -0.48 0.00	24.34 -0.59 0.00	13.89 -0.36 0.00	18.72 -0.34 0.00	20.42 -0.44 0.00	31.67 -0.74 0.00	30.09 -0.71 0.00	31.98 -0.57 0.00	30.91 -0.46 0.00	34.90 -0.74 0.00	29.83 -0.59 0.00	25.49 -0.43 0.00
ELEC_TRO_TEK 24086	22.06 1.36 0.00	18.69 1.05 0.00	18.61 0.99 0.00	20.16 1.01 0.00	17.79 0.93 0.00	18.47 1.00 0.00	45.51 2.41 0.00	41.65 1.96 0.00	25.07 1.40 0.00	16.11 0.87 0.00	13.30 0.69 0.00	15.18 0.68 0.00	22.95 1.14 0.00	30.82 1.60 -4.28	19.09 0.89 -3.94	20.05 0.99 0.00	21.81 0.95 0.00	33.55 1.14 0.00	31.80 1.01 0.00	33.89 1.35 0.00	32.66 1.28 0.00	36.92 1.28 0.00	31.46 1.04 0.00	26.79 0.87 0.00



ELLENBURG_WT_PWR 323604	-20.02 -0.89 39.83	-20.28 -0.69 37.23	-20.30 -0.70 37.21	-20.33 -0.76 38.72	4.20 -0.60 12.07	17.21 -0.26 0.00	43.03 -0.07 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.46 0.22 0.00	12.75 0.14 0.00	14.51 0.02 0.00	22.00 0.18 0.00	25.41 0.47 0.00	14.72 0.47 0.00	19.59 0.53 0.00	21.54 0.68 0.00	33.72 1.31 0.00	32.08 1.29 0.00	33.86 1.32 0.00	32.60 1.23 0.00	37.16 1.52 0.00	31.64 1.22 0.00	26.82 0.91 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	19.60 -1.09 0.00	16.94 -0.71 0.00	16.68 -0.93 0.00	18.25 -0.90 0.00	16.08 -0.79 0.00	16.66 -0.81 0.00	40.97 -2.13 0.00	37.41 -2.29 0.00	22.52 -1.15 0.00	14.37 -0.87 0.00	11.76 -0.86 0.00	13.54 -0.95 0.00	20.23 -1.58 0.00	22.90 -2.04 0.00	12.96 -1.30 0.00	17.51 -1.55 0.00	19.02 -1.84 0.00	29.59 -2.82 0.00	27.97 -2.82 0.00	30.11 -2.44 0.00	29.46 -1.92 0.00	33.04 -2.60 0.00	28.91 -1.51 0.00	25.01 -0.91 0.00
EMPIRE_CC_1 323656	21.24 0.54 0.00	18.05 0.40 0.00	18.08 0.46 0.00	19.62 0.47 0.00	17.25 0.39 0.00	17.87 0.40 0.00	44.08 0.98 0.00	40.59 0.90 0.00	24.05 0.37 0.00	15.48 0.24 0.00	12.87 0.26 0.00	14.84 0.34 0.00	22.34 0.53 0.00	25.55 0.62 0.00	14.71 0.45 0.00	19.66 0.60 0.00	21.37 0.52 0.00	33.21 0.80 0.00	31.50 0.71 0.00	33.35 0.81 0.00	32.12 0.74 0.00	36.33 0.69 0.00	30.87 0.45 0.00	26.19 0.27 0.00
EMPIRE_CC_2 323658	21.24 0.54 0.00	18.05 0.40 0.00	18.08 0.46 0.00	19.62 0.47 0.00	17.25 0.39 0.00	17.87 0.40 0.00	44.08 0.98 0.00	40.59 0.90 0.00	24.05 0.37 0.00	15.48 0.24 0.00	12.87 0.26 0.00	14.84 0.34 0.00	22.34 0.53 0.00	25.55 0.62 0.00	14.71 0.45 0.00	19.66 0.60 0.00	21.37 0.52 0.00	33.21 0.80 0.00	31.50 0.71 0.00	33.35 0.81 0.00	32.12 0.74 0.00	36.33 0.69 0.00	30.87 0.45 0.00	26.19 0.27 0.00
ENORWICH_115KV_TB1 80156	21.15 0.45 0.00	18.00 0.35 0.00	17.98 0.37 0.00	19.80 0.64 0.00	17.58 0.72 0.00	18.39 0.91 0.00	45.62 2.51 0.00	41.81 2.11 0.00	25.18 1.51 0.00	16.23 0.98 0.00	13.43 0.82 0.00	15.32 0.83 0.00	22.58 0.76 0.00	25.65 0.72 0.00	14.48 0.23 0.00	19.79 0.74 0.00	21.71 0.85 0.00	33.57 1.16 0.00	32.41 1.62 0.00	34.41 1.86 0.00	33.37 2.00 0.00	37.32 1.68 0.00	32.19 1.77 0.00	27.40 1.48 0.00
ERIE_ST__34_KV_TB1-2 80199	19.96 -0.73 0.00	17.21 -0.43 0.00	16.96 -0.66 0.00	18.55 -0.60 0.00	16.35 -0.51 0.00	16.94 -0.53 0.00	41.72 -1.39 0.00	38.10 -1.59 0.00	22.94 -0.73 0.00	14.64 -0.60 0.00	11.99 -0.62 0.00	13.81 -0.69 0.00	20.63 -1.19 0.00	23.35 -1.58 0.00	13.25 -1.01 0.00	17.88 -1.18 0.00	19.42 -1.43 0.00	30.22 -2.19 0.00	28.53 -2.26 0.00	30.72 -1.82 0.00	30.06 -1.32 0.00	33.71 -1.93 0.00	29.43 -0.98 0.00	25.42 -0.49 0.00
ERIE_WT_PWR 323693	19.73 -0.96 0.00	17.03 -0.62 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.78 -0.69 0.00	41.28 -1.82 0.00	37.69 -2.01 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.61 -0.89 0.00	20.33 -1.49 0.00	23.01 -1.93 0.00	13.02 -1.23 0.00	17.61 -1.45 0.00	19.11 -1.74 0.00	29.79 -2.62 0.00	28.16 -2.63 0.00	30.36 -2.19 0.00	29.69 -1.68 0.00	33.31 -2.33 0.00	29.13 -1.29 0.00	25.18 -0.73 0.00
ESPRGFLD_115KV_TB1 80157	21.30 0.61 0.00	18.23 0.58 0.00	18.13 0.52 0.00	19.78 0.63 0.00	17.50 0.64 0.00	18.16 0.69 0.00	44.95 1.85 0.00	41.40 1.70 0.00	24.87 1.20 0.00	16.06 0.82 0.00	13.20 0.59 0.00	15.11 0.62 0.00	22.70 0.89 0.00	25.90 0.97 0.00	14.74 0.48 0.00	19.72 0.66 0.00	21.69 0.83 0.00	33.65 1.24 0.00	32.07 1.28 0.00	34.03 1.49 0.00	32.90 1.52 0.00	37.24 1.60 0.00	31.93 1.51 0.00	27.34 1.42 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	20.71 0.01 0.00	17.65 0.00 0.00	17.54 -0.08 0.00	19.11 -0.05 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.40 0.29 0.00	39.88 0.19 0.00	23.86 0.19 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.50 0.01 0.00	21.68 -0.14 0.00	24.74 -0.19 0.00	14.08 -0.18 0.00	19.05 -0.01 0.00	20.74 -0.12 0.00	32.20 -0.21 0.00	30.66 -0.13 0.00	32.68 0.13 0.00	31.63 0.26 0.00	35.64 0.00 0.00	30.50 0.08 0.00	26.06 0.14 0.00
ETNA____115KV_TB2 80207	20.71 0.01 0.00	17.65 0.00 0.00	17.54 -0.08 0.00	19.11 -0.05 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.40 0.29 0.00	39.88 0.19 0.00	23.86 0.19 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.50 0.01 0.00	21.68 -0.14 0.00	24.74 -0.19 0.00	14.08 -0.18 0.00	19.05 -0.01 0.00	20.74 -0.12 0.00	32.20 -0.21 0.00	30.66 -0.13 0.00	32.68 0.13 0.00	31.63 0.26 0.00	35.64 0.00 0.00	30.50 0.08 0.00	26.06 0.14 0.00
EUCLID____115KV_TB2 356179	20.21 -0.49 0.00	17.24 -0.40 0.00	17.16 -0.45 0.00	18.69 -0.47 0.00	16.47 -0.40 0.00	17.06 -0.41 0.00	42.13 -0.98 0.00	38.73 -0.96 0.00	23.16 -0.51 0.00	14.90 -0.34 0.00	12.32 -0.29 0.00	14.14 -0.35 0.00	21.24 -0.58 0.00	24.25 -0.68 0.00	13.85 -0.40 0.00	18.61 -0.45 0.00	20.32 -0.54 0.00	31.55 -0.87 0.00	29.91 -0.88 0.00	31.77 -0.77 0.00	30.73 -0.65 0.00	34.71 -0.93 0.00	29.68 -0.73 0.00	25.34 -0.58 0.00
E_CANADA_CAP_HY 24051	21.44 0.75 0.00	18.38 0.73 0.00	18.30 0.69 0.00	19.96 0.80 0.00	17.63 0.77 0.00	18.26 0.79 0.00	45.17 2.07 0.00	41.61 1.92 0.00	24.90 1.23 0.00	16.11 0.87 0.00	13.22 0.61 0.00	15.19 0.69 0.00	22.95 1.13 0.00	26.21 1.28 0.00	14.93 0.68 0.00	19.95 0.89 0.00	21.94 1.08 0.00	34.12 1.71 0.00	32.45 1.66 0.00	34.35 1.81 0.00	33.18 1.80 0.00	37.68 2.04 0.00	32.25 1.83 0.00	27.60 1.68 0.00
E_CANADA_MHWK_HY 24050	20.29 -0.41 0.00	17.21 -0.44 0.00	17.21 -0.40 0.00	18.74 -0.42 0.00	16.55 -0.31 0.00	17.22 -0.25 0.00	42.63 -0.47 0.00	39.32 -0.37 0.00	23.37 -0.30 0.00	15.03 -0.21 0.00	12.51 -0.10 0.00	14.40 -0.09 0.00	21.71 -0.11 0.00	24.77 -0.17 0.00	14.21 -0.04 0.00	19.08 0.02 0.00	20.71 -0.15 0.00	32.20 -0.21 0.00	30.64 -0.15 0.00	32.45 -0.09 0.00	31.27 -0.11 0.00	35.28 -0.36 0.00	29.90 -0.52 0.00	25.29 -0.62 0.00
E_FISHKILL____LBMP 23776	21.72 1.02 0.00	18.42 0.77 0.00	18.36 0.75 0.00	19.92 0.77 0.00	17.56 0.69 0.00	18.19 0.72 0.00	44.82 1.72 0.00	41.32 1.63 0.00	24.63 0.95 0.00	15.83 0.59 0.00	13.12 0.51 0.00	15.05 0.56 0.00	22.67 0.85 0.00	26.03 1.10 0.00	14.96 0.70 0.00	19.91 0.85 0.00	21.65 0.79 0.00	33.53 1.12 0.00	31.84 1.05 0.00	33.82 1.28 0.00	32.57 1.19 0.00	36.72 1.08 0.00	31.22 0.81 0.00	26.55 0.63 0.00
FALCON____SEABRD_CC1 323796	-20.61 -0.90 40.40	-20.77 -0.65 37.77	-20.76 -0.62 37.75	-20.76 -0.63 39.28	4.00 -0.63 12.24	17.30 -0.17 0.00	43.44 0.34 0.00	40.94 1.25 0.00	24.49 0.82 0.00	15.71 0.46 0.00	12.98 0.37 0.00	14.74 0.24 0.00	22.35 0.53 0.00	25.91 0.97 0.00	15.08 0.83 0.00	20.05 0.99 0.00	22.01 1.15 0.00	34.55 2.13 0.00	32.84 2.05 0.00	34.77 2.23 0.00	33.44 2.06 0.00	37.98 2.34 0.00	32.31 1.89 0.00	27.29 1.37 0.00



FALCON___SEABRD_CC2 323797	-20.61 -0.90 40.40	-20.77 -0.65 37.77	-20.76 -0.62 37.75	-20.76 -0.63 39.28	4.00 -0.63 12.24	17.30 -0.17 0.00	43.44 0.34 0.00	40.94 1.25 0.00	24.49 0.82 0.00	15.71 0.46 0.00	12.98 0.37 0.00	14.74 0.24 0.00	22.35 0.53 0.00	25.91 0.97 0.00	15.08 0.83 0.00	20.05 0.99 0.00	22.01 1.15 0.00	34.55 2.13 0.00	32.84 2.05 0.00	34.77 2.23 0.00	33.44 2.06 0.00	37.98 2.34 0.00	32.31 1.89 0.00	27.29 1.37 0.00
FAR ROCKAWAY___4 23548	22.30 1.61 0.00	18.89 1.24 0.00	18.79 1.18 0.00	20.36 1.21 0.00	17.97 1.10 0.00	18.66 1.19 0.00	45.97 2.87 0.00	42.05 2.36 0.00	25.31 1.64 0.00	16.27 1.02 0.00	13.43 0.82 0.00	15.32 0.83 0.00	23.19 1.37 0.00	31.66 1.91 -4.82	19.34 1.04 -4.05	20.25 1.19 0.00	22.04 1.18 0.00	33.93 1.52 0.00	32.15 1.36 0.00	34.29 1.74 0.00	33.04 1.66 0.00	37.35 1.71 0.00	31.81 1.39 0.00	27.10 1.18 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.08 1.39 0.00	18.72 1.08 0.00	18.61 1.00 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.45 0.98 0.00	45.43 2.33 0.00	41.92 2.23 0.00	25.08 1.41 0.00	17.73 0.88 -1.61	13.68 0.75 -0.32	15.29 0.79 0.00	23.00 1.19 0.00	26.45 1.52 0.00	15.17 0.92 0.00	20.15 1.09 0.00	21.93 1.07 0.00	33.85 1.44 0.00	32.14 1.35 0.00	34.17 1.63 0.00	32.91 1.54 0.00	37.02 1.38 0.00	31.52 1.11 0.00	26.87 0.95 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.10 1.41 0.00	18.73 1.09 0.00	18.62 1.01 0.00	20.21 1.06 0.00	17.83 0.96 0.00	18.46 0.99 0.00	45.47 2.37 0.00	41.93 2.24 0.00	25.09 1.42 0.00	17.73 0.89 -1.61	13.69 0.75 -0.32	15.30 0.80 0.00	23.02 1.20 0.00	26.47 1.54 0.00	15.18 0.92 0.00	20.16 1.10 0.00	21.93 1.08 0.00	33.88 1.47 0.00	32.16 1.37 0.00	34.20 1.66 0.00	32.94 1.57 0.00	37.05 1.41 0.00	31.55 1.13 0.00	26.89 0.97 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.08 1.39 0.00	18.72 1.07 0.00	18.61 0.99 0.00	20.19 1.04 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.43 2.33 0.00	41.90 2.21 0.00	25.07 1.40 0.00	17.72 0.87 -1.61	13.67 0.74 -0.32	15.28 0.79 0.00	23.00 1.18 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.91 1.06 0.00	33.85 1.44 0.00	32.13 1.34 0.00	34.17 1.62 0.00	32.90 1.53 0.00	37.02 1.38 0.00	31.52 1.10 0.00	26.87 0.94 0.00
FARRAGUT___LBMP 323566	22.07 1.37 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.18 1.03 0.00	17.80 0.94 0.00	18.44 0.96 0.00	45.40 2.29 0.00	41.89 2.19 0.00	25.06 1.38 0.00	17.71 0.86 -1.61	13.67 0.73 -0.32	15.27 0.78 0.00	22.98 1.17 0.00	26.43 1.50 0.00	15.16 0.90 0.00	20.13 1.07 0.00	21.90 1.05 0.00	33.82 1.41 0.00	32.11 1.32 0.00	34.14 1.60 0.00	32.88 1.51 0.00	36.99 1.35 0.00	31.50 1.08 0.00	26.85 0.92 0.00
FENNER___WINDPWR 24204	20.83 0.14 0.00	17.76 0.11 0.00	17.73 0.12 0.00	19.29 0.14 0.00	17.02 0.16 0.00	17.63 0.16 0.00	43.61 0.50 0.00	40.13 0.44 0.00	24.02 0.35 0.00	15.48 0.24 0.00	12.82 0.22 0.00	14.75 0.25 0.00	22.15 0.33 0.00	25.27 0.33 0.00	14.44 0.18 0.00	19.40 0.34 0.00	21.22 0.36 0.00	33.03 0.62 0.00	31.33 0.54 0.00	33.24 0.69 0.00	32.11 0.73 0.00	36.29 0.65 0.00	30.94 0.52 0.00	26.36 0.44 0.00
FIBERTEK___ENERGY 23856	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
FITZPATRICK____ 23598	19.99 -0.70 0.00	17.07 -0.58 0.00	17.00 -0.61 0.00	18.51 -0.65 0.00	16.30 -0.57 0.00	16.89 -0.58 0.00	41.68 -1.42 0.00	38.35 -1.35 0.00	22.90 -0.77 0.00	14.74 -0.50 0.00	12.19 -0.43 0.00	13.99 -0.50 0.00	21.03 -0.78 0.00	24.02 -0.91 0.00	13.72 -0.53 0.00	18.41 -0.65 0.00	20.11 -0.74 0.00	31.22 -1.19 0.00	29.63 -1.16 0.00	31.44 -1.10 0.00	30.38 -1.00 0.00	34.36 -1.28 0.00	29.38 -1.04 0.00	25.08 -0.84 0.00
FLOWRFLD_69_KV_BK1 356044	22.40 1.71 0.00	18.95 1.30 0.00	18.88 1.27 0.00	20.46 1.30 0.00	18.05 1.19 0.00	18.79 1.32 0.00	46.17 3.07 0.00	42.17 2.48 0.00	25.41 1.73 0.00	16.31 1.07 0.00	13.42 0.81 0.00	15.31 0.81 0.00	23.19 1.38 0.00	30.98 2.11 -3.94	19.23 1.11 -3.87	20.22 1.16 0.00	21.97 1.11 0.00	33.64 1.23 0.00	31.79 1.00 0.00	33.96 1.42 0.00	32.78 1.40 0.00	37.24 1.60 0.00	31.83 1.41 0.00	27.09 1.17 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.05 1.36 0.00	18.69 1.04 0.00	18.63 1.01 0.00	20.22 1.06 0.00	17.82 0.96 0.00	18.47 1.00 0.00	45.55 2.45 0.00	42.00 2.31 0.00	25.02 1.35 0.00	16.06 0.82 0.00	13.33 0.71 0.00	15.32 0.83 0.00	23.05 1.24 0.00	26.37 1.44 0.00	15.18 0.93 0.00	20.23 1.17 0.00	21.99 1.13 0.00	34.16 1.75 0.00	32.45 1.65 0.00	34.47 1.93 0.00	33.21 1.83 0.00	37.40 1.76 0.00	31.78 1.37 0.00	27.00 1.08 0.00
FORT ORANGE____ 23900	21.10 0.41 0.00	17.94 0.29 0.00	17.96 0.34 0.00	19.49 0.34 0.00	17.15 0.29 0.00	17.75 0.28 0.00	43.81 0.71 0.00	40.33 0.64 0.00	23.89 0.22 0.00	15.42 0.17 0.00	12.83 0.23 0.00	14.81 0.31 0.00	22.23 0.41 0.00	25.34 0.41 0.00	14.61 0.35 0.00	19.51 0.45 0.00	21.27 0.41 0.00	33.06 0.64 0.00	31.37 0.58 0.00	33.20 0.66 0.00	31.97 0.60 0.00	36.12 0.49 0.00	30.69 0.27 0.00	26.05 0.13 0.00
FORT_DRUM_COGEN 23780	21.03 -1.20 -1.54	18.07 -1.01 -1.44	18.14 -0.91 -1.44	19.84 -0.81 -1.50	16.65 -0.68 -0.47	16.52 -0.95 0.00	40.75 -2.36 0.00	37.71 -1.98 0.00	22.91 -0.76 0.00	14.92 -0.32 0.00	12.12 -0.49 0.00	13.78 -0.72 0.00	21.48 -0.33 0.00	24.91 -0.02 0.00	14.09 -0.16 0.00	18.84 -0.22 0.00	20.73 -0.13 0.00	32.35 -0.06 0.00	30.67 -0.12 0.00	32.57 0.02 0.00	31.52 0.14 0.00	35.71 0.07 0.00	30.12 -0.29 0.00	25.67 -0.24 0.00
FOX_HILLS___ESR 323835	22.06 1.36 0.00	18.67 1.03 0.00	18.57 0.95 0.00	20.14 0.99 0.00	17.78 0.91 0.00	18.41 0.94 0.00	45.30 2.19 0.00	41.83 2.14 0.00	25.01 1.34 0.00	17.71 0.84 -1.62	13.64 0.70 -0.33	15.23 0.73 0.00	22.91 1.10 0.00	26.37 1.44 0.00	15.13 0.88 0.00	20.09 1.03 0.00	21.88 1.02 0.00	33.71 1.30 0.00	32.07 1.28 0.00	34.03 1.48 0.00	32.88 1.50 0.00	36.94 1.30 0.00	31.57 1.15 0.00	26.94 1.02 0.00
FPL FAR_ROCK_GT1 24212	22.30 1.61 0.00	18.89 1.24 0.00	18.79 1.18 0.00	20.36 1.21 0.00	17.97 1.11 0.00	18.66 1.19 0.00	45.97 2.86 0.00	42.05 2.36 0.00	25.31 1.64 0.00	16.27 1.02 0.00	13.43 0.82 0.00	15.32 0.83 0.00	23.19 1.37 0.00	31.66 1.90 -4.82	19.34 1.04 -4.05	20.25 1.19 0.00	22.04 1.18 0.00	33.93 1.52 0.00	32.15 1.36 0.00	34.28 1.74 0.00	33.04 1.66 0.00	37.35 1.71 0.00	31.81 1.39 0.00	27.10 1.18 0.00



FPL_FAR_ROCK_GT2 23815	22.30 1.61 0.00	18.89 1.24 0.00	18.79 1.18 0.00	20.36 1.21 0.00	17.97 1.11 0.00	18.66 1.19 0.00	45.97 2.86 0.00	42.05 2.36 0.00	25.31 1.64 0.00	16.27 1.02 0.00	13.43 0.82 0.00	15.32 0.83 0.00	23.19 1.37 0.00	31.66 1.90 -4.82	19.34 1.04 -4.05	20.25 1.19 0.00	22.04 1.18 0.00	33.93 1.52 0.00	32.15 1.36 0.00	34.28 1.74 0.00	33.04 1.66 0.00	37.35 1.71 0.00	31.81 1.39 0.00	27.10 1.18 0.00
FRANKLIN_FALL_HYD 24054	45.11 -0.47 -24.89	40.58 -0.34 -23.27	40.53 -0.34 -23.26	42.97 -0.38 -24.20	24.10 -0.30 -7.54	17.38 -0.09 0.00	43.20 0.10 0.00	40.17 0.48 0.00	24.06 0.39 0.00	15.48 0.24 0.00	12.74 0.13 0.00	14.55 0.06 0.00	22.13 0.32 0.00	25.53 0.60 0.00	14.71 0.46 0.00	19.53 0.46 0.00	21.49 0.63 0.00	33.61 1.20 0.00	32.01 1.22 0.00	33.71 1.16 0.00	32.50 1.12 0.00	37.15 1.51 0.00	31.66 1.24 0.00	26.86 0.94 0.00
FREEPORT_EQUS_GT1 23764	22.19 1.50 0.00	18.80 1.15 0.00	18.71 1.10 0.00	20.27 1.12 0.00	17.89 1.03 0.00	18.59 1.12 0.00	45.79 2.69 0.00	41.85 2.16 0.00	25.20 1.53 0.00	16.19 0.95 0.00	13.36 0.75 0.00	15.24 0.74 0.00	23.06 1.24 0.00	30.97 1.79 -4.25	19.17 0.98 -3.93	20.12 1.06 0.00	21.90 1.04 0.00	33.69 1.28 0.00	31.92 1.13 0.00	34.07 1.52 0.00	32.84 1.46 0.00	37.13 1.49 0.00	31.64 1.23 0.00	26.96 1.04 0.00
FREEPORT___CT2 23818	22.19 1.50 0.00	18.80 1.15 0.00	18.71 1.10 0.00	20.27 1.12 0.00	17.89 1.03 0.00	18.59 1.12 0.00	45.79 2.69 0.00	41.85 2.16 0.00	25.20 1.53 0.00	16.19 0.95 0.00	13.36 0.75 0.00	15.24 0.74 0.00	23.06 1.24 0.00	30.97 1.79 -4.25	19.17 0.98 -3.93	20.12 1.06 0.00	21.90 1.04 0.00	33.69 1.28 0.00	31.92 1.13 0.00	34.07 1.52 0.00	32.84 1.46 0.00	37.13 1.49 0.00	31.64 1.23 0.00	26.96 1.04 0.00
FRESHKLS_33_KV_LOAD 356253	21.99 1.30 0.00	18.61 0.97 0.00	18.51 0.89 0.00	20.09 0.93 0.00	17.73 0.87 0.00	18.36 0.89 0.00	45.17 2.07 0.00	41.72 2.02 0.00	24.94 1.27 0.00	17.66 0.79 -1.62	13.57 0.63 -0.33	15.16 0.66 0.00	22.79 0.97 0.00	26.23 1.29 0.00	15.06 0.81 0.00	19.99 0.93 0.00	21.78 0.93 0.00	33.51 1.10 0.00	31.99 1.20 0.00	33.87 1.33 0.00	32.79 1.41 0.00	36.78 1.15 0.00	31.53 1.12 0.00	26.96 1.05 0.00
FULTON COGEN____ 23766	20.12 -0.57 0.00	17.17 -0.48 0.00	17.09 -0.52 0.00	18.60 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.95 -1.15 0.00	38.58 -1.12 0.00	23.07 -0.61 0.00	14.85 -0.39 0.00	12.28 -0.33 0.00	14.08 -0.41 0.00	21.15 -0.67 0.00	24.16 -0.77 0.00	13.80 -0.46 0.00	18.55 -0.51 0.00	20.26 -0.60 0.00	31.45 -0.96 0.00	29.80 -0.99 0.00	31.66 -0.89 0.00	30.62 -0.76 0.00	34.60 -1.04 0.00	29.56 -0.86 0.00	25.22 -0.70 0.00
FULTON___LFGE 323630	22.47 1.78 0.00	19.17 1.52 0.00	19.09 1.48 0.00	20.78 1.63 0.00	18.30 1.44 0.00	18.92 1.46 0.00	46.83 3.72 0.00	43.11 3.42 0.00	25.36 1.69 0.00	16.42 1.18 0.00	13.57 0.96 0.00	15.82 1.32 0.00	23.85 2.04 0.00	27.24 2.31 0.00	15.61 1.35 0.00	21.07 2.01 0.00	23.09 2.23 0.00	35.88 3.48 0.00	34.04 3.25 0.00	36.04 3.49 0.00	34.72 3.34 0.00	39.18 3.54 0.00	33.26 2.84 0.00	28.20 2.28 0.00
G.F.CEMENT___DRP 24184	21.45 0.75 0.00	18.24 0.60 0.00	18.27 0.66 0.00	19.86 0.70 0.00	17.40 0.54 0.00	18.09 0.62 0.00	44.71 1.61 0.00	41.24 1.55 0.00	24.30 0.62 0.00	15.67 0.43 0.00	13.07 0.46 0.00	15.10 0.60 0.00	22.87 1.06 0.00	26.07 1.14 0.00	15.03 0.78 0.00	20.15 1.09 0.00	21.75 0.90 0.00	34.07 1.66 0.00	32.27 1.48 0.00	34.15 1.61 0.00	32.95 1.57 0.00	37.17 1.53 0.00	31.44 1.02 0.00	26.54 0.62 0.00
GARDENVILLE___LBMP 24039	19.67 -1.03 0.00	16.97 -0.67 0.00	16.72 -0.89 0.00	18.30 -0.86 0.00	16.13 -0.73 0.00	16.72 -0.75 0.00	41.14 -1.96 0.00	37.56 -2.13 0.00	22.62 -1.04 0.00	14.44 -0.80 0.00	11.79 -0.82 0.00	13.58 -0.92 0.00	20.28 -1.53 0.00	22.95 -1.99 0.00	12.99 -1.26 0.00	17.56 -1.50 0.00	19.06 -1.79 0.00	29.70 -2.71 0.00	28.09 -2.70 0.00	30.27 -2.28 0.00	29.61 -1.77 0.00	33.21 -2.43 0.00	29.04 -1.38 0.00	25.12 -0.80 0.00
GARDNVLA_35_KV_LD 355827	19.74 -0.96 0.00	17.04 -0.61 0.00	16.77 -0.85 0.00	18.35 -0.80 0.00	16.19 -0.68 0.00	16.78 -0.69 0.00	41.30 -1.81 0.00	37.69 -2.00 0.00	22.70 -0.97 0.00	14.48 -0.76 0.00	11.84 -0.77 0.00	13.63 -0.86 0.00	20.37 -1.45 0.00	23.05 -1.88 0.00	13.05 -1.21 0.00	17.63 -1.43 0.00	19.14 -1.71 0.00	29.82 -2.59 0.00	28.20 -2.59 0.00	30.37 -2.17 0.00	29.72 -1.65 0.00	33.34 -2.30 0.00	29.15 -1.27 0.00	25.20 -0.72 0.00
GELCKHM__115KV_LOAD 80723	20.28 -0.41 0.00	17.31 -0.34 0.00	17.23 -0.39 0.00	18.76 -0.40 0.00	16.53 -0.33 0.00	17.13 -0.34 0.00	42.30 -0.80 0.00	38.90 -0.79 0.00	23.25 -0.42 0.00	14.97 -0.28 0.00	12.38 -0.23 0.00	14.20 -0.29 0.00	21.32 -0.50 0.00	24.35 -0.58 0.00	13.90 -0.35 0.00	18.70 -0.36 0.00	20.41 -0.45 0.00	31.68 -0.73 0.00	30.06 -0.73 0.00	31.92 -0.63 0.00	30.87 -0.51 0.00	34.86 -0.78 0.00	29.81 -0.61 0.00	25.44 -0.48 0.00
GENERAL___MILLS 23808	19.72 -0.98 0.00	17.02 -0.63 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.77 -0.71 0.00	41.25 -1.85 0.00	37.66 -2.04 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.62 -0.88 0.00	20.35 -1.47 0.00	23.01 -1.92 0.00	13.03 -1.23 0.00	17.60 -1.45 0.00	19.12 -1.74 0.00	29.78 -2.63 0.00	28.16 -2.63 0.00	30.33 -2.21 0.00	29.69 -1.69 0.00	33.30 -2.34 0.00	29.11 -1.31 0.00	25.17 -0.75 0.00
GE_PLASTICS___DRP 24183	21.10 0.40 0.00	17.93 0.28 0.00	17.96 0.34 0.00	19.50 0.35 0.00	17.16 0.30 0.00	17.76 0.29 0.00	43.78 0.68 0.00	40.31 0.61 0.00	23.93 0.26 0.00	15.43 0.19 0.00	12.83 0.22 0.00	14.78 0.28 0.00	22.20 0.39 0.00	25.35 0.42 0.00	14.60 0.35 0.00	19.50 0.45 0.00	21.22 0.36 0.00	32.96 0.55 0.00	31.28 0.49 0.00	33.11 0.57 0.00	31.88 0.51 0.00	36.05 0.41 0.00	30.66 0.24 0.00	26.05 0.13 0.00
GILBOA___1 23756	21.30 0.61 0.00	18.12 0.47 0.00	18.26 0.65 0.00	19.83 0.68 0.00	17.45 0.59 0.00	17.96 0.50 0.00	44.14 1.04 0.00	40.68 0.99 0.00	24.19 0.52 0.00	15.57 0.33 0.00	12.98 0.37 0.00	14.92 0.43 0.00	22.46 0.64 0.00	25.61 0.68 0.00	14.79 0.53 0.00	19.81 0.75 0.00	21.36 0.51 0.00	33.16 0.75 0.00	31.48 0.68 0.00	33.28 0.73 0.00	32.07 0.69 0.00	36.24 0.60 0.00	30.83 0.42 0.00	26.21 0.29 0.00
GILBOA___2 23757	21.30 0.61 0.00	18.12 0.47 0.00	18.26 0.65 0.00	19.83 0.68 0.00	17.45 0.59 0.00	17.96 0.50 0.00	44.14 1.04 0.00	40.68 0.99 0.00	24.19 0.52 0.00	15.57 0.33 0.00	12.98 0.37 0.00	14.92 0.43 0.00	22.46 0.64 0.00	25.61 0.68 0.00	14.79 0.53 0.00	19.81 0.75 0.00	21.36 0.51 0.00	33.16 0.75 0.00	31.48 0.68 0.00	33.28 0.73 0.00	32.07 0.69 0.00	36.24 0.60 0.00	30.83 0.42 0.00	26.21 0.29 0.00



GILBOA___3 23758	21.30 0.61 0.00	18.12 0.47 0.00	18.26 0.65 0.00	19.83 0.68 0.00	17.45 0.59 0.00	17.96 0.50 0.00	44.14 1.04 0.00	40.68 0.99 0.00	24.19 0.52 0.00	15.57 0.33 0.00	12.98 0.37 0.00	14.92 0.43 0.00	22.46 0.64 0.00	25.61 0.68 0.00	14.79 0.53 0.00	19.81 0.75 0.00	21.36 0.51 0.00	33.16 0.75 0.00	31.48 0.68 0.00	33.28 0.73 0.00	32.07 0.69 0.00	36.24 0.60 0.00	30.83 0.42 0.00	26.21 0.29 0.00
GILBOA___4 23759	21.30 0.61 0.00	18.12 0.47 0.00	18.26 0.65 0.00	19.83 0.68 0.00	17.45 0.59 0.00	17.96 0.50 0.00	44.14 1.04 0.00	40.68 0.99 0.00	24.19 0.52 0.00	15.57 0.33 0.00	12.98 0.37 0.00	14.92 0.43 0.00	22.46 0.64 0.00	25.61 0.68 0.00	14.79 0.53 0.00	19.81 0.75 0.00	21.36 0.51 0.00	33.16 0.75 0.00	31.48 0.68 0.00	33.28 0.73 0.00	32.07 0.69 0.00	36.24 0.60 0.00	30.83 0.42 0.00	26.21 0.29 0.00
GILBOA___ 23599	21.30 0.61 0.00	18.12 0.47 0.00	18.26 0.65 0.00	19.83 0.68 0.00	17.45 0.59 0.00	17.96 0.50 0.00	44.14 1.04 0.00	40.68 0.99 0.00	24.19 0.52 0.00	15.57 0.33 0.00	12.98 0.37 0.00	14.93 0.43 0.00	22.46 0.64 0.00	25.61 0.68 0.00	14.79 0.53 0.00	19.81 0.75 0.00	21.36 0.51 0.00	33.16 0.75 0.00	31.48 0.68 0.00	33.28 0.73 0.00	32.07 0.69 0.00	36.24 0.60 0.00	30.83 0.42 0.00	26.21 0.29 0.00
GINNA___ 23603	19.16 -1.54 0.00	16.45 -1.20 0.00	16.29 -1.32 0.00	17.77 -1.39 0.00	15.63 -1.23 0.00	16.20 -1.27 0.00	39.92 -3.18 0.00	36.64 -3.05 0.00	21.96 -1.71 0.00	14.11 -1.13 0.00	11.61 -1.00 0.00	13.33 -1.17 0.00	19.99 -1.83 0.00	22.69 -2.25 0.00	12.95 -1.30 0.00	17.50 -1.56 0.00	19.06 -1.79 0.00	29.60 -2.81 0.00	27.99 -2.80 0.00	29.90 -2.65 0.00	29.05 -2.32 0.00	32.71 -2.93 0.00	28.17 -2.25 0.00	24.17 -1.75 0.00
GLEN PARK___ 23778	20.99 -1.16 -1.46	18.02 -0.99 -1.36	18.08 -0.90 -1.36	19.77 -0.80 -1.42	16.63 -0.67 -0.44	16.54 -0.94 0.00	40.80 -2.30 0.00	37.73 -1.96 0.00	22.94 -0.73 0.00	14.93 -0.31 0.00	12.14 -0.48 0.00	13.74 -0.75 0.00	21.49 -0.32 0.00	24.92 -0.01 0.00	14.09 -0.17 0.00	18.85 -0.21 0.00	20.74 -0.12 0.00	32.37 -0.04 0.00	30.66 -0.13 0.00	32.59 0.04 0.00	31.57 0.19 0.00	35.73 0.10 0.00	30.13 -0.29 0.00	25.67 -0.25 0.00
GLENDALE_27_KV_LOAD 356172	22.14 1.45 0.00	18.76 1.12 0.00	18.65 1.04 0.00	20.23 1.08 0.00	17.86 1.00 0.00	18.49 1.02 0.00	45.50 2.40 0.00	42.00 2.31 0.00	25.12 1.46 0.00	17.77 0.91 -1.62	13.71 0.78 -0.33	15.32 0.82 0.00	23.06 1.24 0.00	26.53 1.60 0.00	15.21 0.96 0.00	20.19 1.13 0.00	21.98 1.13 0.00	33.94 1.53 0.00	32.24 1.45 0.00	34.24 1.70 0.00	33.01 1.64 0.00	37.16 1.52 0.00	31.64 1.22 0.00	26.97 1.05 0.00
GLENWOOD_IC_1_G5 23712	22.09 1.39 0.00	18.72 1.07 0.00	18.63 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.49 1.02 0.00	45.56 2.46 0.00	41.79 2.10 0.00	25.09 1.42 0.00	16.12 0.88 0.00	13.33 0.72 0.00	15.23 0.74 0.00	23.01 1.19 0.00	30.67 1.63 -4.11	19.08 0.91 -3.91	20.12 1.06 0.00	21.89 1.03 0.00	33.75 1.34 0.00	32.01 1.22 0.00	34.08 1.53 0.00	32.84 1.46 0.00	37.06 1.42 0.00	31.57 1.15 0.00	26.88 0.96 0.00
GLENWOOD_IC_2_G1 23688	22.01 1.31 0.00	18.65 1.01 0.00	18.57 0.96 0.00	20.14 0.99 0.00	17.76 0.90 0.00	18.42 0.95 0.00	45.40 2.29 0.00	41.70 2.01 0.00	25.00 1.33 0.00	16.06 0.82 0.00	13.28 0.67 0.00	15.20 0.70 0.00	22.92 1.11 0.00	30.38 1.49 -3.95	19.00 0.87 -3.88	20.06 1.00 0.00	21.83 0.97 0.00	33.69 1.28 0.00	31.95 1.16 0.00	34.00 1.46 0.00	32.76 1.39 0.00	36.95 1.31 0.00	31.47 1.05 0.00	26.79 0.87 0.00
GLENWOOD_IC_3_G1 23689	22.01 1.31 0.00	18.65 1.01 0.00	18.57 0.96 0.00	20.14 0.99 0.00	17.76 0.90 0.00	18.42 0.95 0.00	45.40 2.29 0.00	41.70 2.01 0.00	25.00 1.33 0.00	16.06 0.82 0.00	13.28 0.67 0.00	15.20 0.70 0.00	22.92 1.11 0.00	30.38 1.49 -3.95	19.00 0.87 -3.88	20.06 1.00 0.00	21.83 0.97 0.00	33.69 1.28 0.00	31.95 1.16 0.00	34.00 1.46 0.00	32.76 1.39 0.00	36.95 1.31 0.00	31.47 1.05 0.00	26.79 0.87 0.00
GLENWOOD___4 23550	22.09 1.39 0.00	18.72 1.07 0.00	18.63 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.49 1.02 0.00	45.56 2.46 0.00	41.79 2.10 0.00	25.09 1.42 0.00	16.12 0.88 0.00	13.33 0.72 0.00	15.23 0.74 0.00	23.01 1.19 0.00	30.67 1.63 -4.11	19.08 0.91 -3.91	20.12 1.06 0.00	21.89 1.03 0.00	33.75 1.34 0.00	32.01 1.22 0.00	34.08 1.53 0.00	32.84 1.46 0.00	37.06 1.42 0.00	31.57 1.15 0.00	26.88 0.96 0.00
GLENWOOD___5 23614	22.09 1.39 0.00	18.72 1.07 0.00	18.63 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.49 1.02 0.00	45.56 2.46 0.00	41.79 2.10 0.00	25.09 1.42 0.00	16.12 0.88 0.00	13.33 0.72 0.00	15.23 0.74 0.00	23.01 1.19 0.00	30.67 1.63 -4.11	19.08 0.91 -3.91	20.12 1.06 0.00	21.89 1.03 0.00	33.75 1.34 0.00	32.01 1.22 0.00	34.08 1.53 0.00	32.84 1.46 0.00	37.06 1.42 0.00	31.57 1.15 0.00	26.88 0.96 0.00
GLOBAL GREEN_PORT_GT1 23814	22.66 1.97 0.00	19.11 1.47 0.00	19.08 1.46 0.00	20.67 1.52 0.00	18.25 1.39 0.00	19.04 1.57 0.00	46.77 3.66 0.00	42.80 3.11 0.00	25.77 2.09 0.00	16.49 1.25 0.00	13.52 0.91 0.00	15.39 0.90 0.00	23.43 1.62 0.00	31.43 2.56 -3.94	19.33 1.21 -3.87	20.39 1.34 0.00	22.11 1.26 0.00	33.75 1.34 0.00	31.89 1.10 0.00	34.14 1.59 0.00	32.95 1.58 0.00	37.53 1.89 0.00	32.17 1.75 0.00	27.27 1.35 0.00
GLOBE___DSASP 323697	19.07 -1.63 0.00	16.54 -1.11 0.00	16.29 -1.33 0.00	17.83 -1.33 0.00	15.65 -1.21 0.00	16.22 -1.26 0.00	39.70 -3.40 0.00	36.23 -3.46 0.00	21.79 -1.89 0.00	13.92 -1.32 0.00	11.43 -1.18 0.00	13.19 -1.31 0.00	19.61 -2.20 0.00	22.19 -2.75 0.00	12.54 -1.71 0.00	16.93 -2.14 0.00	18.40 -2.45 0.00	28.51 -3.90 0.00	26.93 -3.87 0.00	28.88 -3.66 0.00	28.27 -3.10 0.00	31.73 -3.91 0.00	27.83 -2.58 0.00	24.28 -1.64 0.00
GOETHSLN___LBMP 323567	22.02 1.32 0.00	18.65 1.00 0.00	18.54 0.93 0.00	20.12 0.97 0.00	17.75 0.89 0.00	18.38 0.91 0.00	45.28 2.18 0.00	41.78 2.09 0.00	25.00 1.33 0.00	17.67 0.82 -1.61	13.62 0.69 -0.32	15.23 0.73 0.00	22.91 1.09 0.00	26.35 1.41 0.00	15.11 0.86 0.00	20.06 1.00 0.00	21.84 0.98 0.00	33.72 1.32 0.00	32.02 1.23 0.00	34.06 1.51 0.00	32.78 1.40 0.00	36.87 1.23 0.00	31.39 0.97 0.00	26.75 0.83 0.00
GOLAH___69_KV_TB 1_2 80279	20.05 -0.65 0.00	17.26 -0.39 0.00	17.05 -0.56 0.00	18.62 -0.54 0.00	16.38 -0.49 0.00	16.98 -0.49 0.00	41.77 -1.33 0.00	38.29 -1.40 0.00	22.99 -0.68 0.00	14.75 -0.49 0.00	12.09 -0.52 0.00	13.92 -0.58 0.00	20.83 -0.98 0.00	23.63 -1.31 0.00	13.48 -0.78 0.00	18.20 -0.86 0.00	19.80 -1.06 0.00	30.75 -1.67 0.00	29.05 -1.75 0.00	31.10 -1.44 0.00	30.32 -1.06 0.00	34.07 -1.57 0.00	29.50 -0.92 0.00	25.38 -0.54 0.00



GOODYEAR_LAKE_HYD 323669	21.17 0.48 0.00	18.04 0.40 0.00	17.96 0.35 0.00	19.58 0.43 0.00	17.31 0.45 0.00	17.97 0.50 0.00	44.44 1.34 0.00	40.92 1.23 0.00	24.55 0.87 0.00	15.81 0.56 0.00	13.04 0.43 0.00	14.95 0.45 0.00	22.40 0.59 0.00	25.56 0.63 0.00	14.57 0.32 0.00	19.53 0.47 0.00	21.40 0.55 0.00	33.17 0.76 0.00	31.58 0.79 0.00	33.54 1.00 0.00	32.42 1.04 0.00	36.58 0.94 0.00	31.31 0.90 0.00	26.75 0.83 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	20.55 -0.14 0.00	17.51 -0.14 0.00	17.41 -0.20 0.00	19.00 -0.15 0.00	16.78 -0.08 0.00	17.40 -0.07 0.00	43.11 0.01 0.00	39.59 -0.10 0.00	23.73 0.06 0.00	15.21 -0.03 0.00	12.58 -0.03 0.00	14.42 -0.07 0.00	21.57 -0.24 0.00	24.66 -0.28 0.00	14.06 -0.20 0.00	18.92 -0.14 0.00	20.58 -0.28 0.00	31.94 -0.47 0.00	30.28 -0.51 0.00	32.31 -0.23 0.00	31.29 -0.08 0.00	35.25 -0.38 0.00	30.25 -0.16 0.00	25.88 -0.05 0.00
GOUDEY___7 23579	20.57 -0.12 0.00	17.53 -0.12 0.00	17.43 -0.18 0.00	19.01 -0.14 0.00	16.80 -0.06 0.00	17.41 -0.06 0.00	43.15 0.04 0.00	39.61 -0.08 0.00	23.75 0.08 0.00	15.23 -0.01 0.00	12.59 -0.02 0.00	14.43 -0.06 0.00	21.59 -0.23 0.00	24.68 -0.26 0.00	14.07 -0.18 0.00	18.94 -0.13 0.00	20.60 -0.26 0.00	31.97 -0.45 0.00	30.31 -0.48 0.00	32.34 -0.21 0.00	31.32 -0.05 0.00	35.28 -0.36 0.00	30.28 -0.14 0.00	25.89 -0.03 0.00
GOUDEY___8 23580	20.55 -0.14 0.00	17.51 -0.14 0.00	17.41 -0.20 0.00	19.00 -0.15 0.00	16.78 -0.08 0.00	17.40 -0.07 0.00	43.11 0.01 0.00	39.59 -0.10 0.00	23.73 0.06 0.00	15.21 -0.03 0.00	12.58 -0.03 0.00	14.42 -0.07 0.00	21.57 -0.24 0.00	24.66 -0.28 0.00	14.06 -0.20 0.00	18.92 -0.14 0.00	20.58 -0.28 0.00	31.94 -0.47 0.00	30.28 -0.51 0.00	32.31 -0.23 0.00	31.29 -0.08 0.00	35.25 -0.38 0.00	30.25 -0.16 0.00	25.88 -0.05 0.00
GOWANUS_GT1_1 24077	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_2 24078	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_3 24079	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_4 24080	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_5 24084	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_6 24111	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_7 24112	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT1_8 24113	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_1 24114	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_2 24115	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_3 24116	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00



GOWANUS_GT2_4 24117	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_5 24118	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_6 24119	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_7 24120	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT2_8 24121	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_1 24122	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_2 24123	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_3 24124	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_4 24125	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_5 24126	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_6 24127	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_7 24128	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT3_8 24129	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_1 24130	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_2 24131	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00



GOWANUS_GT4_3 24132	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_4 24133	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_5 24134	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_6 24135	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_7 24136	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GOWANUS_GT4_8 24137	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GREENBSH_115KV_TB3 55895	20.99 0.30 0.00	17.83 0.19 0.00	17.86 0.24 0.00	19.39 0.24 0.00	17.06 0.20 0.00	17.66 0.19 0.00	43.56 0.46 0.00	40.12 0.42 0.00	23.79 0.12 0.00	15.35 0.11 0.00	12.78 0.17 0.00	14.72 0.23 0.00	22.11 0.29 0.00	25.25 0.32 0.00	14.56 0.30 0.00	19.42 0.36 0.00	21.13 0.28 0.00	32.83 0.42 0.00	31.16 0.36 0.00	32.98 0.43 0.00	31.75 0.37 0.00	35.90 0.26 0.00	30.50 0.09 0.00	25.90 -0.02 0.00
GREENIDGE_115KV_TB5 80291	20.31 -0.39 0.00	17.37 -0.28 0.00	17.19 -0.42 0.00	18.73 -0.43 0.00	16.56 -0.30 0.00	17.22 -0.25 0.00	42.60 -0.50 0.00	39.03 -0.66 0.00	23.47 -0.21 0.00	15.07 -0.17 0.00	12.39 -0.22 0.00	14.12 -0.38 0.00	21.11 -0.70 0.00	23.92 -1.01 0.00	13.59 -0.67 0.00	18.52 -0.54 0.00	20.16 -0.70 0.00	31.18 -1.23 0.00	29.65 -1.14 0.00	31.70 -0.85 0.00	30.86 -0.51 0.00	34.72 -0.92 0.00	29.91 -0.51 0.00	25.68 -0.24 0.00
GREENIDGE___3 23582	20.31 -0.39 0.00	17.37 -0.28 0.00	17.19 -0.42 0.00	18.73 -0.43 0.00	16.56 -0.30 0.00	17.22 -0.25 0.00	42.60 -0.50 0.00	39.03 -0.66 0.00	23.47 -0.21 0.00	15.07 -0.17 0.00	12.39 -0.22 0.00	14.12 -0.38 0.00	21.11 -0.70 0.00	23.92 -1.01 0.00	13.59 -0.67 0.00	18.52 -0.54 0.00	20.16 -0.70 0.00	31.18 -1.23 0.00	29.65 -1.14 0.00	31.70 -0.85 0.00	30.86 -0.51 0.00	34.72 -0.92 0.00	29.91 -0.51 0.00	25.68 -0.24 0.00
GREENIDGE___4 23583	20.31 -0.38 0.00	17.37 -0.28 0.00	17.19 -0.42 0.00	18.73 -0.43 0.00	16.56 -0.30 0.00	17.22 -0.25 0.00	42.60 -0.50 0.00	39.03 -0.66 0.00	23.47 -0.21 0.00	15.07 -0.17 0.00	12.39 -0.22 0.00	14.12 -0.37 0.00	21.11 -0.70 0.00	23.91 -1.02 0.00	13.59 -0.67 0.00	18.52 -0.54 0.00	20.16 -0.70 0.00	31.18 -1.23 0.00	29.65 -1.14 0.00	31.70 -0.84 0.00	30.86 -0.52 0.00	34.72 -0.92 0.00	29.90 -0.51 0.00	25.68 -0.24 0.00
GREENLWN_69_KV_BK 3 55738	21.93 1.24 0.00	18.60 0.95 0.00	18.52 0.91 0.00	20.07 0.92 0.00	17.70 0.84 0.00	18.40 0.93 0.00	45.24 2.13 0.00	41.24 1.55 0.00	24.89 1.22 0.00	16.03 0.79 0.00	13.22 0.61 0.00	15.07 0.58 0.00	22.81 1.00 0.00	30.40 1.52 -3.95	18.94 0.82 -3.87	19.91 0.85 0.00	21.63 0.77 0.00	33.12 0.71 0.00	31.34 0.55 0.00	33.38 0.83 0.00	32.19 0.81 0.00	36.43 0.79 0.00	31.09 0.67 0.00	26.52 0.60 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00
GRISSOM___SOLAR 323813	22.47 1.78 0.00	19.17 1.52 0.00	19.09 1.48 0.00	20.78 1.63 0.00	18.30 1.44 0.00	18.92 1.46 0.00	46.83 3.72 0.00	43.11 3.42 0.00	25.36 1.69 0.00	16.42 1.18 0.00	13.57 0.96 0.00	15.82 1.32 0.00	23.85 2.04 0.00	27.24 2.31 0.00	15.61 1.35 0.00	21.07 2.01 0.00	23.09 2.23 0.00	35.88 3.48 0.00	34.04 3.25 0.00	36.04 3.49 0.00	34.72 3.34 0.00	39.18 3.54 0.00	33.26 2.84 0.00	28.20 2.28 0.00
GROVEVILLE___HYD 323602	22.05 1.36 0.00	18.69 1.04 0.00	18.63 1.01 0.00	20.22 1.06 0.00	17.82 0.96 0.00	18.47 1.00 0.00	45.55 2.45 0.00	42.00 2.31 0.00	25.02 1.35 0.00	16.06 0.82 0.00	13.33 0.71 0.00	15.32 0.83 0.00	23.05 1.24 0.00	26.37 1.44 0.00	15.18 0.93 0.00	20.23 1.17 0.00	21.99 1.13 0.00	34.16 1.75 0.00	32.45 1.65 0.00	34.47 1.93 0.00	33.21 1.83 0.00	37.40 1.76 0.00	31.78 1.37 0.00	27.00 1.08 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00



HAMLTNNY_34_KV_TB 80303	20.41 -0.28 0.00	17.42 -0.22 0.00	17.32 -0.29 0.00	18.86 -0.29 0.00	16.63 -0.23 0.00	17.24 -0.22 0.00	42.62 -0.48 0.00	39.23 -0.46 0.00	23.44 -0.23 0.00	15.08 -0.16 0.00	12.46 -0.15 0.00	14.29 -0.20 0.00	21.45 -0.37 0.00	24.47 -0.46 0.00	13.96 -0.30 0.00	18.83 -0.23 0.00	20.54 -0.32 0.00	31.86 -0.55 0.00	30.25 -0.54 0.00	32.17 -0.37 0.00	31.11 -0.27 0.00	35.10 -0.54 0.00	29.99 -0.42 0.00	25.63 -0.30 0.00
HAMPSHIRE___PAPER_HYD 323593	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.69 -0.10 0.00	32.35 -0.19 0.00	31.17 -0.21 0.00	35.73 0.09 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00
HARDSCRABBLE_WT_PWR 323673	20.18 -0.51 0.00	17.15 -0.50 0.00	17.15 -0.46 0.00	18.69 -0.46 0.00	16.53 -0.33 0.00	17.22 -0.25 0.00	42.66 -0.44 0.00	39.38 -0.31 0.00	23.45 -0.22 0.00	15.10 -0.14 0.00	12.54 -0.08 0.00	14.41 -0.08 0.00	21.78 -0.04 0.00	24.85 -0.08 0.00	14.24 -0.02 0.00	19.07 0.01 0.00	20.72 -0.14 0.00	32.25 -0.16 0.00	30.71 -0.08 0.00	32.52 -0.03 0.00	31.33 -0.05 0.00	35.40 -0.24 0.00	30.03 -0.39 0.00	25.42 -0.49 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	21.77 1.08 0.00	18.44 0.79 0.00	18.36 0.75 0.00	19.93 0.78 0.00	17.58 0.71 0.00	18.22 0.75 0.00	44.95 1.85 0.00	41.48 1.79 0.00	24.73 1.06 0.00	15.88 0.64 0.00	13.14 0.53 0.00	15.09 0.59 0.00	22.71 0.90 0.00	26.07 1.13 0.00	14.95 0.70 0.00	19.89 0.83 0.00	21.67 0.82 0.00	33.62 1.21 0.00	31.95 1.15 0.00	33.96 1.41 0.00	32.71 1.34 0.00	36.85 1.21 0.00	31.32 0.90 0.00	26.64 0.72 0.00
HARSNRAD_115KV_TB1 81005	19.36 -1.33 0.00	16.78 -0.87 0.00	16.52 -1.09 0.00	18.07 -1.08 0.00	15.89 -0.97 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.82 0.00	22.20 -1.47 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.11 0.00	19.99 -1.83 0.00	22.61 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.78 0.00	18.80 -2.06 0.00	29.16 -3.25 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.36 0.00	32.54 -3.10 0.00	28.51 -1.91 0.00	24.71 -1.21 0.00
HARZA MOOSE___RIVER 24016	21.33 -0.43 -1.07	18.28 -0.37 -1.00	18.35 -0.27 -1.00	19.97 -0.23 -1.04	17.01 -0.18 -0.33	17.15 -0.32 0.00	42.33 -0.77 0.00	39.13 -0.56 0.00	23.57 -0.11 0.00	15.27 0.03 0.00	12.52 -0.09 0.00	14.40 -0.10 0.00	21.98 0.17 0.00	25.30 0.36 0.00	14.41 0.16 0.00	19.24 0.18 0.00	21.12 0.27 0.00	32.91 0.50 0.00	31.25 0.46 0.00	33.10 0.55 0.00	31.94 0.57 0.00	36.22 0.58 0.00	30.70 0.28 0.00	26.14 0.23 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	20.30 -0.39 0.00	17.32 -0.33 0.00	17.23 -0.38 0.00	18.76 -0.39 0.00	16.54 -0.32 0.00	17.14 -0.33 0.00	42.33 -0.77 0.00	38.92 -0.78 0.00	23.27 -0.41 0.00	14.97 -0.27 0.00	12.38 -0.23 0.00	14.21 -0.28 0.00	21.33 -0.49 0.00	24.35 -0.58 0.00	13.91 -0.34 0.00	18.70 -0.36 0.00	20.41 -0.45 0.00	31.69 -0.72 0.00	30.04 -0.75 0.00	31.92 -0.63 0.00	30.88 -0.49 0.00	34.86 -0.78 0.00	29.82 -0.60 0.00	25.46 -0.46 0.00
HELLGATE_13_KV_LD 55870	22.06 1.37 0.00	18.70 1.05 0.00	18.60 0.98 0.00	20.16 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.33 2.23 0.00	41.85 2.15 0.00	25.02 1.35 0.00	17.71 0.84 -1.62	13.67 0.73 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.43 1.49 0.00	15.16 0.90 0.00	20.10 1.04 0.00	21.89 1.04 0.00	33.81 1.40 0.00	32.09 1.30 0.00	34.08 1.54 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.50 1.08 0.00	26.86 0.94 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.06 1.37 0.00	18.70 1.05 0.00	18.60 0.98 0.00	20.16 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.33 2.23 0.00	41.85 2.15 0.00	25.02 1.35 0.00	17.71 0.84 -1.62	13.67 0.73 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.43 1.49 0.00	15.16 0.90 0.00	20.10 1.04 0.00	21.89 1.04 0.00	33.81 1.40 0.00	32.09 1.30 0.00	34.08 1.54 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.50 1.08 0.00	26.86 0.94 0.00
HEMPSTEAD____ 23647	22.04 1.35 0.00	18.68 1.03 0.00	18.59 0.98 0.00	20.15 1.00 0.00	17.78 0.92 0.00	18.46 0.99 0.00	45.47 2.37 0.00	41.63 1.93 0.00	25.04 1.37 0.00	16.09 0.85 0.00	13.28 0.67 0.00	15.16 0.67 0.00	22.93 1.11 0.00	30.70 1.61 -4.16	19.05 0.89 -3.92	20.03 0.97 0.00	21.80 0.94 0.00	33.55 1.14 0.00	31.79 1.00 0.00	33.89 1.35 0.00	32.66 1.28 0.00	36.90 1.26 0.00	31.45 1.03 0.00	26.78 0.86 0.00
HEWLETT_69_KV_BK3 55828	22.22 1.52 0.00	18.82 1.17 0.00	18.73 1.11 0.00	20.29 1.14 0.00	17.91 1.04 0.00	18.60 1.13 0.00	45.81 2.71 0.00	41.90 2.20 0.00	25.22 1.55 0.00	16.21 0.97 0.00	13.39 0.78 0.00	15.27 0.77 0.00	23.10 1.29 0.00	31.56 1.80 -4.82	19.29 0.99 -4.05	20.18 1.12 0.00	21.96 1.10 0.00	33.79 1.38 0.00	32.01 1.22 0.00	34.14 1.59 0.00	32.90 1.52 0.00	37.18 1.55 0.00	31.68 1.27 0.00	26.99 1.07 0.00
HICKLING___1 23621	20.33 -0.36 0.00	17.35 -0.30 0.00	17.16 -0.45 0.00	18.70 -0.45 0.00	16.56 -0.30 0.00	17.21 -0.26 0.00	42.84 -0.26 0.00	39.27 -0.42 0.00	23.57 -0.10 0.00	15.07 -0.17 0.00	12.40 -0.21 0.00	14.13 -0.36 0.00	21.09 -0.73 0.00	24.05 -0.88 0.00	13.65 -0.60 0.00	18.51 -0.54 0.00	20.05 -0.81 0.00	31.15 -1.26 0.00	29.52 -1.27 0.00	31.80 -0.74 0.00	31.01 -0.36 0.00	34.88 -0.76 0.00	30.08 -0.34 0.00	25.78 -0.14 0.00
HICKLING___2 23622	20.33 -0.36 0.00	17.35 -0.30 0.00	17.16 -0.45 0.00	18.70 -0.45 0.00	16.56 -0.30 0.00	17.21 -0.26 0.00	42.84 -0.26 0.00	39.27 -0.42 0.00	23.57 -0.10 0.00	15.07 -0.17 0.00	12.40 -0.21 0.00	14.13 -0.36 0.00	21.09 -0.73 0.00	24.05 -0.88 0.00	13.65 -0.60 0.00	18.51 -0.54 0.00	20.05 -0.81 0.00	31.15 -1.26 0.00	29.52 -1.27 0.00	31.80 -0.74 0.00	31.01 -0.36 0.00	34.88 -0.76 0.00	30.08 -0.34 0.00	25.78 -0.14 0.00
HIGH FALLS___HY 23754	22.15 1.46 0.00	18.76 1.12 0.00	18.67 1.06 0.00	20.28 1.12 0.00	17.88 1.02 0.00	18.54 1.07 0.00	45.71 2.61 0.00	42.20 2.51 0.00	25.18 1.50 0.00	16.13 0.89 0.00	13.28 0.67 0.00	15.31 0.82 0.00	23.02 1.20 0.00	26.34 1.41 0.00	15.20 0.95 0.00	20.22 1.16 0.00	21.83 0.97 0.00	34.16 1.75 0.00	32.47 1.68 0.00	34.51 1.97 0.00	33.29 1.91 0.00	37.47 1.83 0.00	31.85 1.43 0.00	27.08 1.16 0.00
HILLBURN___GT 23639	21.78 1.09 0.00	18.43 0.79 0.00	18.35 0.74 0.00	19.92 0.77 0.00	17.58 0.72 0.00	18.22 0.75 0.00	44.95 1.85 0.00	41.50 1.81 0.00	24.76 1.09 0.00	15.90 0.66 0.00	13.15 0.54 0.00	15.07 0.58 0.00	22.68 0.86 0.00	26.07 1.14 0.00	14.97 0.71 0.00	19.88 0.82 0.00	21.68 0.82 0.00	33.57 1.16 0.00	31.86 1.07 0.00	33.87 1.33 0.00	32.63 1.26 0.00	36.77 1.13 0.00	31.25 0.83 0.00	26.59 0.67 0.00



HILLSIDE_115KV_TB1 80332	20.27 -0.42 0.00	17.25 -0.39 0.00	17.07 -0.55 0.00	18.60 -0.55 0.00	16.47 -0.39 0.00	17.07 -0.40 0.00	42.52 -0.58 0.00	38.96 -0.73 0.00	23.40 -0.27 0.00	14.95 -0.29 0.00	12.34 -0.27 0.00	14.12 -0.37 0.00	21.07 -0.75 0.00	24.07 -0.86 0.00	13.69 -0.57 0.00	18.51 -0.55 0.00	20.02 -0.84 0.00	31.06 -1.35 0.00	29.42 -1.37 0.00	31.62 -0.93 0.00	30.71 -0.66 0.00	34.57 -1.08 0.00	29.77 -0.64 0.00	25.52 -0.40 0.00
HISHELDN_WT_PWR 323625	19.51 -1.18 0.00	16.82 -0.83 0.00	16.55 -1.06 0.00	18.07 -1.08 0.00	16.04 -0.82 0.00	16.70 -0.77 0.00	41.21 -1.89 0.00	37.66 -2.03 0.00	22.65 -1.02 0.00	14.44 -0.80 0.00	11.73 -0.88 0.00	13.43 -1.06 0.00	20.08 -1.73 0.00	22.66 -2.27 0.00	12.82 -1.43 0.00	17.38 -1.68 0.00	18.87 -1.99 0.00	29.50 -2.91 0.00	28.01 -2.78 0.00	30.29 -2.26 0.00	29.74 -1.64 0.00	33.35 -2.29 0.00	29.13 -1.29 0.00	25.13 -0.79 0.00
HOLTSVILLE_IC_1 23690	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
HOLTSVILLE_IC_10 23699	22.52 1.83 0.00	19.05 1.40 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.91 1.44 0.00	46.46 3.36 0.00	42.45 2.75 0.00	25.56 1.89 0.00	16.40 1.16 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.32 1.20 -3.87	20.32 1.26 0.00	22.05 1.20 0.00	33.76 1.35 0.00	31.91 1.12 0.00	34.11 1.56 0.00	32.92 1.55 0.00	37.41 1.78 0.00	32.01 1.60 0.00	27.22 1.30 0.00
HOLTSVILLE_IC_2 23691	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
HOLTSVILLE_IC_3 23692	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
HOLTSVILLE_IC_4 23693	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
HOLTSVILLE_IC_5 23694	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
HOLTSVILLE_IC_6 23695	22.52 1.83 0.00	19.05 1.40 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.91 1.44 0.00	46.46 3.36 0.00	42.45 2.75 0.00	25.56 1.89 0.00	16.40 1.16 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.32 1.20 -3.87	20.32 1.26 0.00	22.05 1.20 0.00	33.76 1.35 0.00	31.91 1.12 0.00	34.11 1.56 0.00	32.92 1.55 0.00	37.41 1.78 0.00	32.01 1.60 0.00	27.22 1.30 0.00
HOLTSVILLE_IC_7 23696	22.52 1.83 0.00	19.05 1.40 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.91 1.44 0.00	46.46 3.36 0.00	42.45 2.75 0.00	25.56 1.89 0.00	16.40 1.16 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.32 1.20 -3.87	20.32 1.26 0.00	22.05 1.20 0.00	33.76 1.35 0.00	31.91 1.12 0.00	34.11 1.56 0.00	32.92 1.55 0.00	37.41 1.78 0.00	32.01 1.60 0.00	27.22 1.30 0.00
HOLTSVILLE_IC_8 23697	22.52 1.83 0.00	19.05 1.40 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.91 1.44 0.00	46.46 3.36 0.00	42.45 2.75 0.00	25.56 1.89 0.00	16.40 1.16 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.32 1.20 -3.87	20.32 1.26 0.00	22.05 1.20 0.00	33.76 1.35 0.00	31.91 1.12 0.00	34.11 1.56 0.00	32.92 1.55 0.00	37.41 1.78 0.00	32.01 1.60 0.00	27.22 1.30 0.00
HOLTSVILLE_IC_9 23698	22.52 1.83 0.00	19.05 1.40 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.91 1.44 0.00	46.46 3.36 0.00	42.45 2.75 0.00	25.56 1.89 0.00	16.40 1.16 0.00	13.49 0.88 0.00	15.38 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.32 1.20 -3.87	20.32 1.26 0.00	22.05 1.20 0.00	33.76 1.35 0.00	31.91 1.12 0.00	34.11 1.56 0.00	32.92 1.55 0.00	37.41 1.78 0.00	32.01 1.60 0.00	27.22 1.30 0.00
HOMER_HL_115KV_TB2 355744	20.40 -0.30 0.00	17.48 -0.17 0.00	17.25 -0.37 0.00	18.84 -0.32 0.00	16.68 -0.18 0.00	17.28 -0.19 0.00	42.72 -0.38 0.00	39.10 -0.59 0.00	23.47 -0.20 0.00	15.01 -0.23 0.00	12.27 -0.34 0.00	14.12 -0.37 0.00	21.14 -0.68 0.00	24.02 -0.92 0.00	13.63 -0.62 0.00	18.46 -0.60 0.00	19.96 -0.90 0.00	30.97 -1.44 0.00	29.12 -1.67 0.00	31.52 -1.03 0.00	30.78 -0.59 0.00	34.46 -1.18 0.00	30.01 -0.41 0.00	25.95 0.03 0.00
HOWARD_WT_PWR 323690	19.38 -1.31 0.00	16.70 -0.95 0.00	16.54 -1.07 0.00	17.91 -1.24 0.00	16.01 -0.85 0.00	16.88 -0.59 0.00	42.11 -0.99 0.00	38.36 -1.33 0.00	23.09 -0.58 0.00	14.84 -0.40 0.00	11.85 -0.76 0.00	13.32 -1.17 0.00	20.02 -1.80 0.00	22.47 -2.46 0.00	12.73 -1.53 0.00	17.42 -1.64 0.00	18.96 -1.89 0.00	29.48 -2.92 0.00	27.90 -2.89 0.00	30.59 -1.96 0.00	30.71 -0.67 0.00	34.64 -1.00 0.00	29.98 -0.43 0.00	25.67 -0.25 0.00
HQ_GEN_CEDARS 23644	22.21 -0.09 -1.61	19.16 0.01 -1.50	19.11 -0.01 -1.50	20.72 0.00 -1.56	17.31 -0.04 -0.49	17.43 -0.04 0.00	42.99 -0.11 0.00	39.56 -0.13 0.00	23.62 -0.05 0.00	15.25 0.00 0.00	12.58 -0.03 0.00	14.48 -0.02 0.00	21.92 0.11 0.00	25.10 0.16 0.00	14.30 0.04 0.00	18.98 -0.08 0.00	20.93 0.07 0.00	32.62 0.21 0.00	31.08 0.29 0.00	32.65 0.10 0.00	31.50 0.12 0.00	36.14 0.50 0.00	30.91 0.49 0.00	26.36 0.44 0.00



HQ_GEN_CEDARS_PROXY 323590	22.20 -0.10 -1.61	19.15 0.01 -1.50	19.11 -0.01 -1.50	20.72 0.00 -1.56	17.31 -0.04 -0.49	17.29 -0.04 0.13	42.99 -0.11 0.00	39.56 -0.13 0.00	23.62 -0.05 0.00	15.25 0.00 0.00	12.58 -0.03 0.00	14.48 -0.02 0.00	21.92 0.11 0.00	25.10 0.16 0.00	14.30 0.04 0.00	18.98 -0.08 0.00	20.93 0.07 0.00	32.62 0.21 0.00	31.08 0.29 0.00	32.65 0.10 0.00	31.50 0.12 0.00	36.14 0.50 0.00	30.91 0.49 0.00	26.35 0.44 0.00
HQ_GEN_IMPORT 323601	20.65 -0.04 0.00	17.65 0.01 0.00	17.61 0.00 0.00	19.15 0.00 0.00	16.85 -0.02 0.00	17.47 0.00 0.00	43.12 0.01 0.00	39.71 0.02 0.00	23.60 0.02 0.10	15.27 0.03 0.00	12.61 0.00 0.00	14.50 0.00 0.00	21.85 0.03 0.00	24.97 0.03 0.00	14.23 -0.03 0.00	18.98 -0.08 0.00	19.12 0.05 1.79	32.53 0.13 0.00	30.97 0.18 0.00	32.56 0.02 0.00	31.36 -0.02 0.00	35.88 0.24 0.00	30.68 0.26 0.00	26.11 0.23 0.05
HQ_GEN_WHEEL 23651	20.65 -0.04 0.00	17.65 0.01 0.00	17.61 0.00 0.00	19.15 0.00 0.00	16.85 -0.02 0.00	17.47 0.00 0.00	43.12 0.01 0.00	39.71 0.02 0.00	23.60 0.02 0.10	15.27 0.03 0.00	12.61 0.00 0.00	14.50 0.00 0.00	21.85 0.03 0.00	24.97 0.03 0.00	14.23 -0.03 0.00	18.98 -0.08 0.00	19.12 0.05 1.79	32.53 0.13 0.00	30.97 0.18 0.00	32.56 0.02 0.00	31.36 -0.02 0.00	35.88 0.24 0.00	30.68 0.26 0.00	26.11 0.23 0.05
HUDSON_AVE_GT_3 23810	22.10 1.41 0.00	18.74 1.09 0.00	18.62 1.01 0.00	20.21 1.06 0.00	17.83 0.97 0.00	18.46 0.99 0.00	45.47 2.37 0.00	41.94 2.25 0.00	25.09 1.42 0.00	17.74 0.89 -1.61	13.69 0.76 -0.32	15.30 0.81 0.00	23.03 1.21 0.00	26.48 1.55 0.00	15.18 0.93 0.00	20.17 1.11 0.00	21.94 1.09 0.00	33.88 1.47 0.00	32.17 1.38 0.00	34.21 1.66 0.00	32.95 1.57 0.00	37.06 1.42 0.00	31.56 1.14 0.00	26.89 0.98 0.00
HUDSON_AVE_GT_4 23540	22.10 1.41 0.00	18.74 1.09 0.00	18.62 1.01 0.00	20.21 1.06 0.00	17.83 0.97 0.00	18.46 0.99 0.00	45.47 2.37 0.00	41.94 2.25 0.00	25.09 1.42 0.00	17.74 0.89 -1.61	13.69 0.76 -0.32	15.30 0.81 0.00	23.03 1.21 0.00	26.48 1.55 0.00	15.18 0.93 0.00	20.17 1.11 0.00	21.94 1.09 0.00	33.88 1.47 0.00	32.17 1.38 0.00	34.21 1.66 0.00	32.95 1.57 0.00	37.06 1.42 0.00	31.56 1.14 0.00	26.89 0.98 0.00
HUDSON_AVE_GT_5 23657	22.10 1.41 0.00	18.74 1.09 0.00	18.62 1.01 0.00	20.21 1.06 0.00	17.83 0.97 0.00	18.46 0.99 0.00	45.47 2.37 0.00	41.94 2.25 0.00	25.09 1.42 0.00	17.74 0.89 -1.61	13.69 0.76 -0.32	15.30 0.81 0.00	23.03 1.21 0.00	26.48 1.55 0.00	15.18 0.93 0.00	20.17 1.11 0.00	21.94 1.09 0.00	33.88 1.47 0.00	32.17 1.38 0.00	34.21 1.66 0.00	32.95 1.57 0.00	37.06 1.42 0.00	31.56 1.14 0.00	26.89 0.98 0.00
HUDSON_AVE_10 24168	22.06 1.36 0.00	18.69 1.05 0.00	18.59 0.97 0.00	20.17 1.02 0.00	17.79 0.93 0.00	18.42 0.95 0.00	45.35 2.25 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.70 0.85 -1.61	13.66 0.73 -0.32	15.26 0.77 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.14 0.89 0.00	20.10 1.04 0.00	21.88 1.02 0.00	33.78 1.37 0.00	32.07 1.28 0.00	34.08 1.54 0.00	32.82 1.45 0.00	36.93 1.29 0.00	31.44 1.02 0.00	26.81 0.89 0.00
HUDSON___115KV_TB 4 355613	21.39 0.69 0.00	18.18 0.53 0.00	18.20 0.59 0.00	19.76 0.61 0.00	17.39 0.52 0.00	17.99 0.53 0.00	44.43 1.33 0.00	40.88 1.19 0.00	24.17 0.49 0.00	15.59 0.35 0.00	12.99 0.38 0.00	15.03 0.54 0.00	22.55 0.73 0.00	25.55 0.62 0.00	14.76 0.50 0.00	19.79 0.73 0.00	21.63 0.77 0.00	33.63 1.22 0.00	31.93 1.14 0.00	33.78 1.24 0.00	32.52 1.14 0.00	36.72 1.09 0.00	31.17 0.75 0.00	26.43 0.51 0.00
HUNTER MOUNT___DRP 323613	21.48 0.78 0.00	18.26 0.62 0.00	18.30 0.69 0.00	19.87 0.72 0.00	17.47 0.61 0.00	18.09 0.62 0.00	44.68 1.57 0.00	41.09 1.40 0.00	24.24 0.57 0.00	15.65 0.41 0.00	13.05 0.44 0.00	15.15 0.65 0.00	22.70 0.88 0.00	25.61 0.68 0.00	14.80 0.55 0.00	19.92 0.86 0.00	21.82 0.96 0.00	33.98 1.57 0.00	32.21 1.42 0.00	34.06 1.51 0.00	32.77 1.40 0.00	37.01 1.37 0.00	31.40 0.98 0.00	26.59 0.67 0.00
HUNTINGTON_RES_REC 323705	22.14 1.45 0.00	18.75 1.11 0.00	18.68 1.07 0.00	20.24 1.09 0.00	17.85 0.99 0.00	18.57 1.11 0.00	45.63 2.53 0.00	41.64 1.94 0.00	25.12 1.44 0.00	16.14 0.90 0.00	13.29 0.68 0.00	15.16 0.67 0.00	22.96 1.14 0.00	30.66 1.78 -3.94	19.06 0.94 -3.87	20.02 0.96 0.00	21.75 0.90 0.00	33.31 0.90 0.00	31.54 0.75 0.00	33.68 1.13 0.00	32.49 1.11 0.00	36.83 1.20 0.00	31.46 1.04 0.00	26.80 0.88 0.00
HUNTLEY___63 23557	19.53 -1.16 0.00	16.91 -0.73 0.00	16.65 -0.96 0.00	18.22 -0.94 0.00	16.02 -0.84 0.00	16.61 -0.86 0.00	40.76 -2.34 0.00	37.19 -2.50 0.00	22.40 -1.27 0.00	14.30 -0.94 0.00	11.72 -0.89 0.00	13.51 -0.98 0.00	20.14 -1.68 0.00	22.78 -2.15 0.00	12.89 -1.37 0.00	17.40 -1.65 0.00	18.93 -1.93 0.00	29.38 -3.04 0.00	27.77 -3.02 0.00	29.84 -2.70 0.00	29.23 -2.15 0.00	32.78 -2.86 0.00	28.71 -1.71 0.00	24.91 -1.01 0.00
HUNTLEY___64 23558	19.53 -1.16 0.00	16.91 -0.73 0.00	16.65 -0.96 0.00	18.22 -0.94 0.00	16.02 -0.84 0.00	16.61 -0.86 0.00	40.76 -2.34 0.00	37.19 -2.50 0.00	22.40 -1.27 0.00	14.30 -0.94 0.00	11.72 -0.89 0.00	13.51 -0.98 0.00	20.14 -1.68 0.00	22.78 -2.15 0.00	12.89 -1.37 0.00	17.40 -1.65 0.00	18.93 -1.93 0.00	29.38 -3.04 0.00	27.77 -3.02 0.00	29.84 -2.70 0.00	29.23 -2.15 0.00	32.78 -2.86 0.00	28.71 -1.71 0.00	24.91 -1.01 0.00
HUNTLEY___65 23559	19.53 -1.16 0.00	16.91 -0.73 0.00	16.65 -0.96 0.00	18.22 -0.94 0.00	16.02 -0.84 0.00	16.61 -0.86 0.00	40.76 -2.34 0.00	37.19 -2.50 0.00	22.40 -1.27 0.00	14.30 -0.94 0.00	11.72 -0.89 0.00	13.51 -0.98 0.00	20.14 -1.68 0.00	22.78 -2.15 0.00	12.89 -1.37 0.00	17.40 -1.65 0.00	18.93 -1.93 0.00	29.38 -3.04 0.00	27.77 -3.02 0.00	29.84 -2.70 0.00	29.23 -2.15 0.00	32.78 -2.86 0.00	28.71 -1.71 0.00	24.91 -1.01 0.00
HUNTLEY___66 23560	19.53 -1.16 0.00	16.91 -0.73 0.00	16.65 -0.96 0.00	18.22 -0.94 0.00	16.02 -0.84 0.00	16.61 -0.86 0.00	40.76 -2.34 0.00	37.19 -2.50 0.00	22.40 -1.27 0.00	14.30 -0.94 0.00	11.72 -0.89 0.00	13.51 -0.98 0.00	20.14 -1.68 0.00	22.78 -2.15 0.00	12.89 -1.37 0.00	17.40 -1.65 0.00	18.93 -1.93 0.00	29.38 -3.04 0.00	27.77 -3.02 0.00	29.84 -2.70 0.00	29.23 -2.15 0.00	32.78 -2.86 0.00	28.71 -1.71 0.00	24.91 -1.01 0.00
HUNTLEY___67 23561	19.46 -1.24 0.00	16.83 -0.81 0.00	16.58 -1.03 0.00	18.14 -1.01 0.00	15.97 -0.90 0.00	16.55 -0.93 0.00	40.62 -2.48 0.00	37.09 -2.60 0.00	22.33 -1.35 0.00	14.26 -0.98 0.00	11.67 -0.94 0.00	13.46 -1.04 0.00	20.10 -1.71 0.00	22.75 -2.18 0.00	12.87 -1.38 0.00	17.39 -1.67 0.00	18.89 -1.97 0.00	29.36 -3.05 0.00	27.73 -3.06 0.00	29.83 -2.72 0.00	29.19 -2.19 0.00	32.74 -2.90 0.00	28.66 -1.76 0.00	24.82 -1.10 0.00



HUNTLEY___68 23562	19.46 -1.24 0.00	16.83 -0.81 0.00	16.58 -1.03 0.00	18.14 -1.01 0.00	15.97 -0.90 0.00	16.55 -0.93 0.00	40.62 -2.48 0.00	37.09 -2.60 0.00	22.33 -1.35 0.00	14.26 -0.98 0.00	11.67 -0.94 0.00	13.46 -1.04 0.00	20.10 -1.71 0.00	22.75 -2.18 0.00	12.87 -1.38 0.00	17.39 -1.67 0.00	18.89 -1.97 0.00	29.36 -3.05 0.00	27.73 -3.06 0.00	29.83 -2.72 0.00	29.19 -2.19 0.00	32.74 -2.90 0.00	28.66 -1.76 0.00	24.82 -1.10 0.00
HYLAND___LFGE 323620	20.70 0.00 0.00	17.78 0.13 0.00	17.56 -0.06 0.00	19.13 -0.02 0.00	16.92 0.06 0.00	17.65 0.18 0.00	43.70 0.60 0.00	40.04 0.35 0.00	23.86 0.19 0.00	15.44 0.20 0.00	12.26 -0.35 0.00	13.90 -0.59 0.00	20.96 -0.86 0.00	23.65 -1.28 0.00	13.48 -0.78 0.00	18.42 -0.64 0.00	19.75 -1.11 0.00	30.92 -1.49 0.00	29.68 -1.11 0.00	32.24 -0.31 0.00	31.99 0.62 0.00	35.94 0.30 0.00	31.02 0.61 0.00	26.58 0.66 0.00
INDECK___CORINTH 23802	21.33 0.64 0.00	18.14 0.49 0.00	18.16 0.55 0.00	19.74 0.59 0.00	17.31 0.45 0.00	17.99 0.52 0.00	44.45 1.34 0.00	41.02 1.33 0.00	24.23 0.56 0.00	15.62 0.38 0.00	13.01 0.40 0.00	15.02 0.53 0.00	22.73 0.92 0.00	25.91 0.98 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.63 0.77 0.00	33.87 1.46 0.00	32.08 1.29 0.00	33.93 1.39 0.00	32.74 1.36 0.00	36.93 1.29 0.00	31.24 0.83 0.00	26.41 0.49 0.00
INDECK___ILION 23567	20.62 -0.08 0.00	17.53 -0.11 0.00	17.52 -0.09 0.00	19.06 -0.09 0.00	16.81 -0.05 0.00	17.44 -0.04 0.00	43.07 -0.03 0.00	39.70 0.01 0.00	23.64 -0.03 0.00	15.22 -0.03 0.00	12.63 0.02 0.00	14.53 0.03 0.00	21.88 0.06 0.00	24.99 0.06 0.00	14.33 0.07 0.00	19.18 0.12 0.00	20.90 0.04 0.00	32.48 0.07 0.00	30.87 0.08 0.00	32.68 0.14 0.00	31.49 0.11 0.00	35.62 -0.02 0.00	30.29 -0.13 0.00	25.73 -0.19 0.00
INDECK___OLEAN 23982	20.40 -0.29 0.00	17.48 -0.17 0.00	17.25 -0.37 0.00	18.84 -0.31 0.00	16.68 -0.19 0.00	17.28 -0.19 0.00	42.73 -0.37 0.00	39.12 -0.57 0.00	23.46 -0.21 0.00	15.01 -0.23 0.00	12.28 -0.34 0.00	14.12 -0.37 0.00	21.14 -0.67 0.00	24.01 -0.92 0.00	13.63 -0.62 0.00	18.46 -0.60 0.00	19.96 -0.90 0.00	30.97 -1.44 0.00	29.12 -1.67 0.00	31.52 -1.03 0.00	30.78 -0.59 0.00	34.46 -1.18 0.00	30.01 -0.41 0.00	25.95 0.03 0.00
INDECK___OSWEGO 23783	20.05 -0.65 0.00	17.10 -0.55 0.00	17.04 -0.58 0.00	18.55 -0.60 0.00	16.35 -0.52 0.00	16.92 -0.55 0.00	41.77 -1.33 0.00	38.42 -1.27 0.00	22.99 -0.68 0.00	14.81 -0.43 0.00	12.24 -0.37 0.00	14.03 -0.46 0.00	21.12 -0.69 0.00	24.14 -0.79 0.00	13.78 -0.47 0.00	18.50 -0.56 0.00	20.22 -0.64 0.00	31.38 -1.03 0.00	29.75 -1.04 0.00	31.61 -0.94 0.00	30.55 -0.82 0.00	34.53 -1.11 0.00	29.49 -0.92 0.00	25.17 -0.75 0.00
INDECK___YERKES 23781	19.55 -1.14 0.00	16.94 -0.71 0.00	16.67 -0.94 0.00	18.24 -0.91 0.00	16.03 -0.83 0.00	16.63 -0.84 0.00	40.82 -2.29 0.00	37.23 -2.46 0.00	22.41 -1.26 0.00	14.32 -0.92 0.00	11.73 -0.88 0.00	13.53 -0.97 0.00	20.16 -1.66 0.00	22.80 -2.14 0.00	12.90 -1.36 0.00	17.42 -1.64 0.00	18.95 -1.91 0.00	29.41 -3.00 0.00	27.81 -2.99 0.00	29.88 -2.67 0.00	29.25 -2.12 0.00	32.82 -2.82 0.00	28.74 -1.68 0.00	24.94 -0.98 0.00
INDIAN POINT_GT_1 24139	21.89 1.20 0.00	18.55 0.91 0.00	18.48 0.86 0.00	20.05 0.90 0.00	17.68 0.81 0.00	18.32 0.85 0.00	45.14 2.04 0.00	41.62 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.66 0.00	22.82 1.00 0.00	26.24 1.31 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.76 0.91 0.00	33.69 1.28 0.00	31.99 1.19 0.00	34.00 1.45 0.00	32.74 1.36 0.00	36.88 1.24 0.00	31.38 0.96 0.00	26.71 0.79 0.00
INDIAN POINT_GT_2 23659	21.89 1.20 0.00	18.55 0.91 0.00	18.48 0.86 0.00	20.05 0.90 0.00	17.68 0.81 0.00	18.32 0.85 0.00	45.14 2.04 0.00	41.62 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.66 0.00	22.82 1.00 0.00	26.24 1.31 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.76 0.91 0.00	33.69 1.28 0.00	31.99 1.19 0.00	34.00 1.45 0.00	32.74 1.36 0.00	36.88 1.24 0.00	31.38 0.96 0.00	26.71 0.79 0.00
INDIAN POINT_GT_3 24019	21.89 1.20 0.00	18.55 0.91 0.00	18.48 0.86 0.00	20.05 0.90 0.00	17.68 0.81 0.00	18.32 0.85 0.00	45.14 2.04 0.00	41.62 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.66 0.00	22.82 1.00 0.00	26.24 1.31 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.76 0.91 0.00	33.69 1.28 0.00	31.99 1.19 0.00	34.00 1.45 0.00	32.74 1.36 0.00	36.88 1.24 0.00	31.38 0.96 0.00	26.71 0.79 0.00
INDIAN POINT___2 23530	21.91 1.22 0.00	18.57 0.92 0.00	18.49 0.88 0.00	20.07 0.92 0.00	17.69 0.83 0.00	18.34 0.86 0.00	45.18 2.08 0.00	41.63 1.94 0.00	24.87 1.20 0.00	15.98 0.74 0.00	13.24 0.63 0.00	15.17 0.67 0.00	22.84 1.03 0.00	26.27 1.33 0.00	15.07 0.81 0.00	20.03 0.97 0.00	21.78 0.93 0.00	33.70 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.98 0.00	26.73 0.81 0.00
INDIAN POINT___3 23531	21.79 1.10 0.00	18.46 0.81 0.00	18.39 0.77 0.00	19.96 0.80 0.00	17.60 0.74 0.00	18.24 0.77 0.00	44.97 1.87 0.00	41.47 1.78 0.00	24.75 1.07 0.00	15.90 0.66 0.00	13.16 0.55 0.00	15.09 0.59 0.00	22.71 0.89 0.00	26.10 1.17 0.00	14.98 0.73 0.00	19.92 0.86 0.00	21.68 0.83 0.00	33.57 1.16 0.00	31.87 1.08 0.00	33.87 1.33 0.00	32.63 1.26 0.00	36.75 1.11 0.00	31.26 0.84 0.00	26.61 0.68 0.00
INGHAM_C_115KV_TB7 356103	20.29 -0.41 0.00	17.21 -0.44 0.00	17.21 -0.40 0.00	18.74 -0.41 0.00	16.55 -0.31 0.00	17.22 -0.25 0.00	42.64 -0.47 0.00	39.32 -0.37 0.00	23.37 -0.30 0.00	15.03 -0.21 0.00	12.51 -0.10 0.00	14.40 -0.09 0.00	21.71 -0.11 0.00	24.77 -0.16 0.00	14.21 -0.04 0.00	19.08 0.02 0.00	20.71 -0.15 0.00	32.20 -0.21 0.00	30.64 -0.15 0.00	32.45 -0.09 0.00	31.27 -0.11 0.00	35.28 -0.36 0.00	29.90 -0.52 0.00	25.29 -0.62 0.00
IP CORINTH___1 23988	21.33 0.64 0.00	18.14 0.49 0.00	18.16 0.55 0.00	19.74 0.59 0.00	17.31 0.45 0.00	17.99 0.52 0.00	44.45 1.35 0.00	41.02 1.33 0.00	24.23 0.56 0.00	15.62 0.38 0.00	13.01 0.40 0.00	15.02 0.53 0.00	22.74 0.92 0.00	25.91 0.98 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.63 0.77 0.00	33.87 1.46 0.00	32.08 1.29 0.00	33.94 1.39 0.00	32.74 1.37 0.00	36.93 1.29 0.00	31.24 0.83 0.00	26.41 0.49 0.00
IP___TICONDEROGA 23804	21.92 1.22 0.00	18.65 1.00 0.00	18.69 1.08 0.00	20.32 1.16 0.00	17.67 0.81 0.00	18.54 1.07 0.00	45.93 2.83 0.00	42.33 2.63 0.00	24.64 0.97 0.00	15.88 0.64 0.00	13.42 0.81 0.00	15.45 0.96 0.00	23.71 1.90 0.00	27.04 2.11 0.00	15.60 1.34 0.00	20.87 1.81 0.00	22.23 1.37 0.00	35.18 2.78 0.00	33.29 2.50 0.00	35.28 2.74 0.00	34.14 2.77 0.00	38.39 2.75 0.00	32.37 1.96 0.00	27.02 1.10 0.00



ISLIP_RES_REC 323679	22.61 1.92 0.00	19.11 1.46 0.00	19.05 1.44 0.00	20.64 1.49 0.00	18.22 1.36 0.00	18.97 1.50 0.00	46.64 3.53 0.00	42.60 2.91 0.00	25.66 1.99 0.00	16.45 1.21 0.00	13.52 0.91 0.00	15.41 0.92 0.00	23.37 1.55 0.00	31.24 2.36 -3.94	19.37 1.25 -3.87	20.37 1.31 0.00	22.11 1.26 0.00	33.89 1.48 0.00	32.04 1.25 0.00	34.26 1.72 0.00	33.07 1.69 0.00	37.58 1.94 0.00	32.14 1.72 0.00	27.33 1.41 0.00
JAMAICA__27_KV_LOAD 355505	22.20 1.51 0.00	18.82 1.17 0.00	18.71 1.10 0.00	20.30 1.15 0.00	17.90 1.04 0.00	18.54 1.07 0.00	45.61 2.51 0.00	42.11 2.42 0.00	25.16 1.48 0.00	17.80 0.95 -1.61	13.74 0.81 -0.32	15.36 0.86 0.00	23.08 1.26 0.00	26.56 1.63 0.00	15.22 0.96 0.00	20.17 1.11 0.00	21.97 1.11 0.00	33.94 1.53 0.00	32.22 1.43 0.00	34.17 1.63 0.00	32.93 1.56 0.00	37.04 1.41 0.00	31.53 1.12 0.00	26.95 1.03 0.00
JANIS__SOLAR 323808	20.95 0.25 0.00	17.85 0.20 0.00	17.78 0.16 0.00	19.46 0.31 0.00	17.24 0.37 0.00	17.95 0.48 0.00	44.50 1.39 0.00	40.83 1.14 0.00	24.48 0.80 0.00	15.75 0.51 0.00	13.05 0.44 0.00	14.85 0.36 0.00	21.99 0.17 0.00	25.02 0.09 0.00	14.21 -0.05 0.00	19.36 0.30 0.00	21.17 0.31 0.00	32.71 0.30 0.00	31.49 0.70 0.00	33.54 1.00 0.00	32.52 1.15 0.00	36.51 0.87 0.00	31.35 0.93 0.00	26.73 0.81 0.00
JARVIS____ 23743	20.76 0.06 0.00	17.68 0.03 0.00	17.66 0.05 0.00	19.21 0.06 0.00	16.91 0.05 0.00	17.51 0.04 0.00	43.21 0.10 0.00	39.81 0.12 0.00	23.72 0.05 0.00	15.27 0.03 0.00	12.65 0.04 0.00	14.54 0.05 0.00	21.90 0.08 0.00	25.03 0.10 0.00	14.34 0.08 0.00	19.17 0.11 0.00	20.92 0.06 0.00	32.52 0.11 0.00	30.89 0.09 0.00	32.68 0.13 0.00	31.50 0.12 0.00	35.70 0.06 0.00	30.42 0.01 0.00	25.90 -0.02 0.00
JENNISON__1 23625	20.62 -0.07 0.00	17.53 -0.11 0.00	17.50 -0.11 0.00	19.25 0.09 0.00	17.13 0.27 0.00	17.92 0.44 0.00	44.38 1.28 0.00	40.65 0.96 0.00	24.63 0.96 0.00	15.87 0.63 0.00	13.12 0.51 0.00	14.97 0.47 0.00	22.07 0.25 0.00	25.21 0.28 0.00	14.20 -0.05 0.00	19.36 0.31 0.00	21.32 0.46 0.00	32.97 0.56 0.00	31.72 0.93 0.00	33.40 0.86 0.00	32.43 1.05 0.00	36.21 0.57 0.00	31.41 0.99 0.00	26.76 0.84 0.00
JENNISON__2 23626	20.62 -0.07 0.00	17.53 -0.11 0.00	17.50 -0.11 0.00	19.25 0.09 0.00	17.13 0.27 0.00	17.92 0.44 0.00	44.38 1.28 0.00	40.65 0.96 0.00	24.63 0.96 0.00	15.87 0.63 0.00	13.12 0.51 0.00	14.97 0.47 0.00	22.07 0.25 0.00	25.21 0.28 0.00	14.20 -0.05 0.00	19.36 0.31 0.00	21.32 0.46 0.00	32.97 0.56 0.00	31.72 0.93 0.00	33.40 0.86 0.00	32.43 1.05 0.00	36.21 0.57 0.00	31.41 0.99 0.00	26.76 0.84 0.00
JERICHO_RISE_WT_PWR 323719	-22.65 -0.77 42.58	-22.75 -0.59 39.80	-22.77 -0.60 39.78	-22.89 -0.65 41.39	3.45 -0.51 12.90	17.24 -0.24 0.00	42.98 -0.12 0.00	40.07 0.37 0.00	24.00 0.32 0.00	15.42 0.18 0.00	12.71 0.09 0.00	14.49 -0.01 0.00	21.95 0.13 0.00	25.32 0.38 0.00	14.63 0.38 0.00	19.47 0.41 0.00	21.43 0.58 0.00	33.53 1.11 0.00	31.91 1.12 0.00	33.64 1.09 0.00	32.40 1.03 0.00	36.99 1.35 0.00	31.51 1.10 0.00	26.75 0.83 0.00
KATONAH__115KV_46KV_TB4 355592	21.95 1.26 0.00	18.61 0.96 0.00	18.53 0.92 0.00	20.11 0.96 0.00	17.73 0.86 0.00	18.37 0.90 0.00	45.29 2.19 0.00	41.76 2.07 0.00	24.92 1.25 0.00	16.02 0.78 0.00	13.27 0.66 0.00	15.22 0.72 0.00	22.91 1.10 0.00	26.32 1.38 0.00	15.10 0.85 0.00	20.09 1.03 0.00	21.85 0.99 0.00	33.84 1.43 0.00	32.14 1.34 0.00	34.15 1.61 0.00	32.89 1.52 0.00	37.04 1.40 0.00	31.50 1.08 0.00	26.80 0.87 0.00
KCE_NY_1 323755	21.49 0.79 0.00	18.26 0.61 0.00	18.27 0.66 0.00	19.88 0.73 0.00	17.45 0.59 0.00	18.10 0.63 0.00	44.71 1.61 0.00	41.17 1.48 0.00	24.34 0.67 0.00	15.68 0.43 0.00	13.03 0.42 0.00	15.06 0.57 0.00	22.74 0.93 0.00	25.98 1.04 0.00	14.94 0.69 0.00	20.04 0.98 0.00	21.75 0.89 0.00	33.89 1.48 0.00	32.10 1.31 0.00	34.00 1.46 0.00	32.74 1.37 0.00	36.97 1.34 0.00	31.36 0.94 0.00	26.57 0.65 0.00
KCE_NY_6_ESR 323823	19.73 -0.96 0.00	17.03 -0.62 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.78 -0.69 0.00	41.28 -1.82 0.00	37.69 -2.01 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.61 -0.89 0.00	20.33 -1.49 0.00	23.01 -1.93 0.00	13.02 -1.23 0.00	17.61 -1.45 0.00	19.11 -1.74 0.00	29.79 -2.62 0.00	28.16 -2.63 0.00	30.36 -2.19 0.00	29.69 -1.68 0.00	33.31 -2.33 0.00	29.13 -1.29 0.00	25.18 -0.73 0.00
KEDC_PORT_JEFF_GT2 24210	22.47 1.78 0.00	19.01 1.36 0.00	18.95 1.34 0.00	20.53 1.38 0.00	18.12 1.26 0.00	18.87 1.40 0.00	46.35 3.25 0.00	42.36 2.66 0.00	25.51 1.84 0.00	16.37 1.13 0.00	13.46 0.85 0.00	15.35 0.86 0.00	23.27 1.46 0.00	31.07 2.20 -3.94	19.28 1.16 -3.87	20.29 1.23 0.00	22.02 1.16 0.00	33.70 1.29 0.00	31.77 0.98 0.00	33.95 1.41 0.00	32.77 1.39 0.00	37.31 1.67 0.00	31.93 1.51 0.00	27.16 1.24 0.00
KEDC_PORT_JEFF_GT3 24211	22.47 1.78 0.00	19.01 1.36 0.00	18.95 1.34 0.00	20.53 1.38 0.00	18.12 1.26 0.00	18.87 1.40 0.00	46.35 3.25 0.00	42.36 2.66 0.00	25.51 1.84 0.00	16.37 1.13 0.00	13.46 0.85 0.00	15.35 0.86 0.00	23.27 1.46 0.00	31.07 2.20 -3.94	19.28 1.16 -3.87	20.29 1.23 0.00	22.02 1.16 0.00	33.70 1.29 0.00	31.77 0.98 0.00	33.95 1.41 0.00	32.77 1.39 0.00	37.31 1.67 0.00	31.93 1.51 0.00	27.16 1.24 0.00
KEDC_GLWD_GT4 24219	22.09 1.39 0.00	18.71 1.07 0.00	18.63 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.49 1.02 0.00	45.56 2.46 0.00	41.79 2.10 0.00	25.09 1.42 0.00	16.12 0.88 0.00	13.33 0.72 0.00	15.23 0.74 0.00	23.01 1.19 0.00	30.67 1.63 -4.11	19.07 0.91 -3.91	20.12 1.06 0.00	21.89 1.03 0.00	33.75 1.34 0.00	32.01 1.22 0.00	34.08 1.53 0.00	32.84 1.46 0.00	37.06 1.42 0.00	31.57 1.15 0.00	26.88 0.96 0.00
KEDC_GLWD_GT5 24220	22.09 1.39 0.00	18.71 1.07 0.00	18.63 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.49 1.02 0.00	45.56 2.46 0.00	41.79 2.10 0.00	25.09 1.42 0.00	16.12 0.88 0.00	13.33 0.72 0.00	15.23 0.74 0.00	23.01 1.19 0.00	30.67 1.63 -4.11	19.07 0.91 -3.91	20.12 1.06 0.00	21.89 1.03 0.00	33.75 1.34 0.00	32.01 1.22 0.00	34.08 1.53 0.00	32.84 1.46 0.00	37.06 1.42 0.00	31.57 1.15 0.00	26.88 0.96 0.00
KENSICO____ 23655	21.91 1.22 0.00	18.56 0.92 0.00	18.49 0.88 0.00	20.06 0.91 0.00	17.69 0.83 0.00	18.33 0.85 0.00	45.17 2.07 0.00	41.63 1.94 0.00	24.86 1.19 0.00	15.98 0.73 0.00	13.23 0.62 0.00	15.16 0.67 0.00	22.83 1.02 0.00	26.25 1.32 0.00	15.06 0.80 0.00	20.02 0.97 0.00	21.78 0.93 0.00	33.70 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.98 0.00	26.72 0.80 0.00



KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.15 1.46 0.00	18.76 1.12 0.00	18.68 1.07 0.00	20.29 1.14 0.00	17.89 1.03 0.00	18.55 1.08 0.00	45.74 2.64 0.00	42.22 2.52 0.00	25.15 1.48 0.00	16.12 0.88 0.00	13.28 0.68 0.00	15.33 0.84 0.00	23.04 1.22 0.00	26.33 1.40 0.00	15.20 0.94 0.00	20.24 1.18 0.00	21.86 1.01 0.00	34.23 1.81 0.00	32.51 1.72 0.00	34.56 2.02 0.00	33.33 1.95 0.00	37.52 1.88 0.00	31.88 1.46 0.00	27.09 1.18 0.00
KIAC_JFK_GT1 23816	22.08 1.39 0.00	18.73 1.08 0.00	18.62 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.35 2.25 0.00	41.91 2.21 0.00	25.03 1.36 0.00	17.72 0.87 -1.61	13.67 0.74 -0.32	15.28 0.79 0.00	22.97 1.15 0.00	26.43 1.49 0.00	15.14 0.89 0.00	20.08 1.02 0.00	21.86 1.00 0.00	33.77 1.36 0.00	32.06 1.27 0.00	33.99 1.45 0.00	32.74 1.37 0.00	36.84 1.20 0.00	31.36 0.94 0.00	26.80 0.88 0.00
KIAC_JFK_GT2 23817	22.08 1.39 0.00	18.73 1.08 0.00	18.62 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.35 2.25 0.00	41.91 2.21 0.00	25.03 1.36 0.00	17.72 0.87 -1.61	13.67 0.74 -0.32	15.28 0.79 0.00	22.97 1.15 0.00	26.43 1.49 0.00	15.14 0.89 0.00	20.08 1.02 0.00	21.86 1.00 0.00	33.77 1.36 0.00	32.06 1.27 0.00	33.99 1.45 0.00	32.74 1.37 0.00	36.84 1.20 0.00	31.36 0.94 0.00	26.80 0.88 0.00
KIAC_JFK____ 323774	22.08 1.39 0.00	18.73 1.08 0.00	18.62 1.01 0.00	20.20 1.05 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.35 2.25 0.00	41.89 2.20 0.00	25.04 1.37 0.00	17.72 0.87 -1.61	13.68 0.74 -0.33	15.28 0.79 0.00	22.97 1.15 0.00	26.43 1.49 0.00	15.14 0.89 0.00	20.07 1.01 0.00	21.86 1.00 0.00	33.77 1.36 0.00	32.06 1.27 0.00	33.99 1.45 0.00	32.74 1.37 0.00	36.84 1.20 0.00	31.36 0.94 0.00	26.80 0.88 0.00
KINTIGH____ 23543	19.50 -1.19 0.00	16.85 -0.80 0.00	16.62 -0.99 0.00	18.16 -0.99 0.00	15.98 -0.89 0.00	16.55 -0.92 0.00	40.66 -2.44 0.00	37.19 -2.50 0.00	22.34 -1.33 0.00	14.30 -0.94 0.00	11.75 -0.86 0.00	13.54 -0.95 0.00	20.26 -1.56 0.00	22.97 -1.96 0.00	13.03 -1.23 0.00	17.59 -1.47 0.00	19.11 -1.75 0.00	29.64 -2.77 0.00	27.98 -2.81 0.00	30.01 -2.53 0.00	29.29 -2.09 0.00	32.90 -2.74 0.00	28.67 -1.75 0.00	24.78 -1.14 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	-20.83 -0.78 40.74	-21.00 -0.57 38.08	-21.01 -0.56 38.07	-21.03 -0.58 39.60	3.96 -0.56 12.34	17.33 -0.14 0.00	43.48 0.38 0.00	40.90 1.21 0.00	24.46 0.79 0.00	15.68 0.44 0.00	12.94 0.33 0.00	14.71 0.21 0.00	22.32 0.50 0.00	25.87 0.94 0.00	15.04 0.79 0.00	20.01 0.95 0.00	21.98 1.13 0.00	34.49 2.08 0.00	32.79 2.00 0.00	34.70 2.15 0.00	33.39 2.01 0.00	37.95 2.31 0.00	32.27 1.85 0.00	27.26 1.34 0.00
LACHUTE____HYDRO 323717	21.92 1.22 0.00	18.65 1.00 0.00	18.69 1.08 0.00	20.32 1.17 0.00	17.67 0.81 0.00	18.54 1.07 0.00	45.93 2.82 0.00	42.32 2.63 0.00	24.64 0.97 0.00	15.88 0.64 0.00	13.42 0.81 0.00	15.45 0.96 0.00	23.71 1.90 0.00	27.04 2.11 0.00	15.60 1.34 0.00	20.87 1.81 0.00	22.23 1.37 0.00	35.19 2.78 0.00	33.29 2.50 0.00	35.28 2.74 0.00	34.14 2.77 0.00	38.39 2.75 0.00	32.37 1.96 0.00	27.01 1.09 0.00
LAWRNCALV_115KV_TB1 80681	24.97 -0.37 -4.64	21.76 -0.22 -4.34	21.73 -0.22 -4.33	23.43 -0.23 -4.51	18.03 -0.24 -1.41	17.17 -0.30 0.00	42.26 -0.84 0.00	38.86 -0.83 0.00	23.22 -0.45 0.00	15.01 -0.23 0.00	12.40 -0.21 0.00	14.29 -0.21 0.00	21.77 -0.04 0.00	24.99 0.06 0.00	14.23 -0.03 0.00	18.78 -0.28 0.00	20.67 -0.18 0.00	32.25 -0.16 0.00	30.75 -0.04 0.00	32.29 -0.26 0.00	31.14 -0.23 0.00	35.85 0.21 0.00	30.66 0.24 0.00	26.10 0.19 0.00
LEDERLE____ 23769	21.85 1.16 0.00	18.49 0.85 0.00	18.42 0.80 0.00	19.99 0.83 0.00	17.63 0.77 0.00	18.28 0.81 0.00	45.09 1.99 0.00	41.62 1.93 0.00	24.84 1.17 0.00	15.95 0.71 0.00	13.19 0.58 0.00	15.13 0.63 0.00	22.76 0.94 0.00	26.16 1.23 0.00	15.02 0.76 0.00	19.96 0.90 0.00	21.75 0.89 0.00	33.69 1.29 0.00	31.98 1.19 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.36 0.94 0.00	26.69 0.77 0.00
LIGHTHSE_115KV_TB6 355974	19.93 -0.76 0.00	17.01 -0.64 0.00	16.97 -0.64 0.00	18.54 -0.62 0.00	16.34 -0.52 0.00	16.83 -0.64 0.00	41.53 -1.57 0.00	38.21 -1.48 0.00	22.99 -0.68 0.00	14.89 -0.36 0.00	12.24 -0.37 0.00	14.00 -0.50 0.00	21.29 -0.53 0.00	24.44 -0.49 0.00	13.90 -0.36 0.00	18.63 -0.43 0.00	20.38 -0.48 0.00	31.71 -0.70 0.00	30.04 -0.75 0.00	31.93 -0.62 0.00	30.87 -0.50 0.00	34.90 -0.73 0.00	29.69 -0.72 0.00	25.35 -0.57 0.00
LINDEN COGEN____ 23786	22.01 1.32 0.00	18.64 0.99 0.00	18.54 0.92 0.00	20.11 0.96 0.00	17.75 0.89 0.00	18.38 0.91 0.00	45.27 2.17 0.00	41.76 2.07 0.00	25.00 1.32 0.00	17.67 0.82 -1.61	13.62 0.69 -0.33	15.22 0.72 0.00	22.90 1.08 0.00	26.33 1.40 0.00	15.11 0.86 0.00	20.05 0.99 0.00	21.84 0.98 0.00	33.72 1.31 0.00	32.01 1.22 0.00	34.05 1.50 0.00	32.76 1.39 0.00	36.86 1.22 0.00	31.38 0.96 0.00	26.74 0.82 0.00
LINDHRST_69_KV_BK1 356055	22.39 1.69 0.00	18.95 1.30 0.00	18.87 1.25 0.00	20.44 1.29 0.00	18.03 1.17 0.00	18.75 1.28 0.00	46.16 3.06 0.00	42.16 2.47 0.00	25.41 1.74 0.00	16.31 1.07 0.00	13.43 0.82 0.00	15.31 0.81 0.00	23.18 1.37 0.00	30.98 2.02 -4.02	19.23 1.10 -3.88	20.22 1.17 0.00	22.00 1.14 0.00	33.80 1.39 0.00	32.03 1.24 0.00	34.21 1.66 0.00	33.00 1.62 0.00	37.36 1.73 0.00	31.88 1.46 0.00	27.14 1.22 0.00
LIPA_MISC_IPP 23656	22.52 1.83 0.00	19.03 1.38 0.00	18.99 1.37 0.00	20.57 1.42 0.00	18.15 1.29 0.00	18.92 1.46 0.00	46.46 3.35 0.00	42.51 2.81 0.00	25.59 1.91 0.00	16.40 1.16 0.00	13.48 0.87 0.00	15.37 0.88 0.00	23.31 1.50 0.00	31.13 2.26 -3.94	19.31 1.19 -3.87	20.32 1.26 0.00	22.01 1.16 0.00	33.63 1.22 0.00	31.74 0.95 0.00	33.93 1.38 0.00	32.76 1.38 0.00	37.30 1.66 0.00	31.97 1.56 0.00	27.16 1.24 0.00
LISF____SOLAR 323691	22.57 1.88 0.00	19.07 1.42 0.00	19.03 1.42 0.00	20.61 1.46 0.00	18.19 1.33 0.00	18.96 1.49 0.00	46.57 3.46 0.00	42.59 2.90 0.00	25.63 1.96 0.00	16.43 1.19 0.00	13.50 0.88 0.00	15.38 0.89 0.00	23.34 1.53 0.00	31.19 2.32 -3.94	19.34 1.22 -3.87	20.33 1.27 0.00	22.03 1.18 0.00	33.68 1.27 0.00	31.80 1.00 0.00	34.00 1.46 0.00	32.83 1.46 0.00	37.38 1.74 0.00	32.05 1.64 0.00	27.22 1.30 0.00
LITTLE FALLS____HYD 24013	20.29 -0.41 0.00	17.21 -0.44 0.00	17.21 -0.40 0.00	18.74 -0.41 0.00	16.55 -0.31 0.00	17.22 -0.25 0.00	42.64 -0.47 0.00	39.32 -0.37 0.00	23.37 -0.30 0.00	15.03 -0.21 0.00	12.51 -0.10 0.00	14.40 -0.09 0.00	21.71 -0.11 0.00	24.77 -0.16 0.00	14.21 -0.04 0.00	19.08 0.02 0.00	20.71 -0.15 0.00	32.20 -0.21 0.00	30.64 -0.15 0.00	32.45 -0.09 0.00	31.27 -0.11 0.00	35.28 -0.36 0.00	29.90 -0.52 0.00	25.29 -0.62 0.00



LITTLRIV_115KV_TB1 356100	25.69 -0.13 -5.14	22.42 -0.02 -4.80	22.38 -0.03 -4.80	24.13 -0.02 -4.99	18.36 -0.05 -1.56	17.36 -0.11 0.00	42.77 -0.34 0.00	39.28 -0.41 0.00	23.41 -0.26 0.00	15.14 -0.10 0.00	12.49 -0.12 0.00	14.40 -0.09 0.00	21.97 0.16 0.00	25.28 0.35 0.00	14.37 0.12 0.00	18.97 -0.09 0.00	20.92 0.06 0.00	32.65 0.24 0.00	31.14 0.34 0.00	32.71 0.16 0.00	31.56 0.18 0.00	36.32 0.68 0.00	31.04 0.62 0.00	26.42 0.50 0.00
LI_NEWBRDGE___DRP 323616	22.01 1.32 0.00	18.65 1.00 0.00	18.57 0.95 0.00	20.12 0.97 0.00	17.75 0.89 0.00	18.45 0.98 0.00	45.45 2.34 0.00	41.53 1.83 0.00	25.03 1.36 0.00	16.09 0.85 0.00	13.27 0.66 0.00	15.13 0.64 0.00	22.89 1.08 0.00	30.39 1.57 -3.89	18.98 0.87 -3.86	19.99 0.93 0.00	21.73 0.87 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.72 1.17 0.00	32.50 1.12 0.00	36.76 1.13 0.00	31.35 0.93 0.00	26.71 0.79 0.00
LOCKPORT_115KV_TB60_63_64 80432	19.37 -1.33 0.00	16.78 -0.87 0.00	16.53 -1.09 0.00	18.08 -1.08 0.00	15.89 -0.97 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.82 0.00	22.21 -1.46 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.11 0.00	19.98 -1.83 0.00	22.60 -2.33 0.00	12.81 -1.45 0.00	17.28 -1.77 0.00	18.81 -2.05 0.00	29.16 -3.25 0.00	27.56 -3.23 0.00	29.63 -2.92 0.00	29.03 -2.35 0.00	32.55 -3.09 0.00	28.51 -1.90 0.00	24.71 -1.21 0.00
LOCKPORT___CC1 323769	19.37 -1.33 0.00	16.78 -0.86 0.00	16.53 -1.09 0.00	18.08 -1.08 0.00	15.88 -0.98 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.81 0.00	22.19 -1.48 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.10 0.00	19.99 -1.83 0.00	22.61 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.78 0.00	18.80 -2.06 0.00	29.15 -3.26 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.35 0.00	32.54 -3.10 0.00	28.51 -1.90 0.00	24.71 -1.21 0.00
LOCKPORT___CC2 323770	19.37 -1.33 0.00	16.78 -0.86 0.00	16.53 -1.09 0.00	18.08 -1.08 0.00	15.88 -0.98 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.81 0.00	22.19 -1.48 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.10 0.00	19.99 -1.83 0.00	22.61 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.78 0.00	18.80 -2.06 0.00	29.15 -3.26 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.35 0.00	32.54 -3.10 0.00	28.51 -1.90 0.00	24.71 -1.21 0.00
LOCKPORT___CC3 323771	19.37 -1.33 0.00	16.78 -0.86 0.00	16.53 -1.09 0.00	18.08 -1.08 0.00	15.88 -0.98 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.81 0.00	22.19 -1.48 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.10 0.00	19.99 -1.83 0.00	22.61 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.78 0.00	18.80 -2.06 0.00	29.15 -3.26 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.35 0.00	32.54 -3.10 0.00	28.51 -1.90 0.00	24.71 -1.21 0.00
LONG_LAKE_PHOENIX 24014	20.12 -0.57 0.00	17.17 -0.48 0.00	17.09 -0.52 0.00	18.60 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.95 -1.15 0.00	38.58 -1.12 0.00	23.07 -0.61 0.00	14.85 -0.39 0.00	12.28 -0.33 0.00	14.08 -0.41 0.00	21.15 -0.67 0.00	24.16 -0.77 0.00	13.80 -0.46 0.00	18.55 -0.51 0.00	20.26 -0.60 0.00	31.45 -0.96 0.00	29.80 -0.99 0.00	31.66 -0.89 0.00	30.62 -0.76 0.00	34.60 -1.04 0.00	29.56 -0.86 0.00	25.22 -0.70 0.00
LOVETT___3 23632	21.75 1.06 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.91 0.75 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.91 1.80 0.00	41.43 1.74 0.00	24.72 1.05 0.00	15.88 0.64 0.00	13.13 0.52 0.00	15.05 0.56 0.00	22.66 0.84 0.00	26.04 1.10 0.00	14.95 0.69 0.00	19.86 0.81 0.00	21.64 0.79 0.00	33.51 1.09 0.00	31.81 1.02 0.00	33.81 1.27 0.00	32.57 1.19 0.00	36.70 1.06 0.00	31.20 0.78 0.00	26.56 0.64 0.00
LOVETT___4 23642	21.75 1.06 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.91 0.75 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.91 1.80 0.00	41.43 1.74 0.00	24.72 1.05 0.00	15.88 0.64 0.00	13.13 0.52 0.00	15.05 0.56 0.00	22.66 0.84 0.00	26.04 1.10 0.00	14.95 0.69 0.00	19.86 0.81 0.00	21.64 0.79 0.00	33.51 1.09 0.00	31.81 1.02 0.00	33.81 1.27 0.00	32.57 1.19 0.00	36.70 1.06 0.00	31.20 0.78 0.00	26.56 0.64 0.00
LOVETT___5 23593	21.75 1.06 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.91 0.75 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.91 1.80 0.00	41.43 1.74 0.00	24.72 1.05 0.00	15.88 0.64 0.00	13.13 0.52 0.00	15.05 0.56 0.00	22.66 0.84 0.00	26.04 1.10 0.00	14.95 0.69 0.00	19.86 0.81 0.00	21.64 0.79 0.00	33.51 1.09 0.00	31.81 1.02 0.00	33.81 1.27 0.00	32.57 1.19 0.00	36.70 1.06 0.00	31.20 0.78 0.00	26.56 0.64 0.00
LOWER RAQUET___HYD 24057	25.84 -0.45 -5.60	22.59 -0.30 -5.24	22.55 -0.30 -5.24	24.29 -0.31 -5.44	18.26 -0.30 -1.70	17.08 -0.39 0.00	42.04 -1.06 0.00	38.63 -1.06 0.00	23.10 -0.58 0.00	14.93 -0.31 0.00	12.34 -0.27 0.00	14.22 -0.28 0.00	21.73 -0.09 0.00	24.96 0.03 0.00	14.20 -0.05 0.00	18.71 -0.35 0.00	20.59 -0.27 0.00	32.13 -0.28 0.00	30.64 -0.15 0.00	32.18 -0.36 0.00	31.03 -0.34 0.00	35.76 0.12 0.00	30.58 0.16 0.00	26.03 0.11 0.00
LOWER___HUDSON 24059	21.27 0.57 0.00	18.08 0.43 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.26 0.40 0.00	17.90 0.43 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.03 0.36 0.00	15.47 0.22 0.00	12.87 0.26 0.00	14.86 0.36 0.00	22.41 0.59 0.00	25.63 0.70 0.00	14.75 0.50 0.00	19.75 0.69 0.00	21.46 0.60 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.51 0.96 0.00	32.25 0.88 0.00	36.49 0.85 0.00	30.98 0.56 0.00	26.24 0.32 0.00
LOWVILLE_115KV_TB2 356335	21.39 -0.91 -1.61	18.39 -0.76 -1.50	18.52 -0.60 -1.50	20.17 -0.55 -1.57	16.89 -0.46 -0.49	16.79 -0.69 0.00	41.38 -1.72 0.00	38.37 -1.32 0.00	23.22 -0.45 0.00	15.11 -0.13 0.00	12.30 -0.31 0.00	14.13 -0.37 0.00	21.80 -0.01 0.00	25.21 0.28 0.00	14.32 0.06 0.00	19.08 0.02 0.00	21.00 0.14 0.00	32.76 0.35 0.00	31.12 0.33 0.00	32.97 0.42 0.00	31.84 0.46 0.00	36.14 0.50 0.00	30.53 0.11 0.00	26.01 0.09 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	21.47 0.78 0.00	18.26 0.61 0.00	18.27 0.66 0.00	19.87 0.71 0.00	17.45 0.58 0.00	18.09 0.62 0.00	44.68 1.57 0.00	41.16 1.47 0.00	24.33 0.65 0.00	15.67 0.43 0.00	13.04 0.43 0.00	15.05 0.56 0.00	22.73 0.91 0.00	25.95 1.02 0.00	14.94 0.68 0.00	20.02 0.96 0.00	21.73 0.87 0.00	33.86 1.45 0.00	32.08 1.29 0.00	33.98 1.43 0.00	32.72 1.35 0.00	36.97 1.33 0.00	31.36 0.94 0.00	26.57 0.65 0.00
LUTHERNY_35_KV_BK2 355980	21.49 0.79 0.00	18.26 0.61 0.00	18.27 0.66 0.00	19.88 0.73 0.00	17.45 0.59 0.00	18.10 0.63 0.00	44.71 1.61 0.00	41.17 1.48 0.00	24.34 0.67 0.00	15.68 0.43 0.00	13.03 0.42 0.00	15.06 0.57 0.00	22.74 0.93 0.00	25.98 1.04 0.00	14.94 0.69 0.00	20.04 0.98 0.00	21.75 0.89 0.00	33.89 1.48 0.00	32.10 1.31 0.00	34.01 1.46 0.00	32.75 1.37 0.00	36.97 1.34 0.00	31.36 0.94 0.00	26.57 0.65 0.00



LWR___OSWEGATCHIE_HYD 23850	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.68 -0.10 0.00	32.35 -0.20 0.00	31.17 -0.21 0.00	35.72 0.08 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00
LYONS_FALL_HYD 23570	21.33 -0.43 -1.07	18.28 -0.37 -1.00	18.35 -0.27 -1.00	19.97 -0.23 -1.04	17.01 -0.18 -0.33	17.15 -0.32 0.00	42.33 -0.77 0.00	39.13 -0.56 0.00	23.57 -0.11 0.00	15.27 0.03 0.00	12.52 -0.09 0.00	14.40 -0.10 0.00	21.98 0.17 0.00	25.30 0.36 0.00	14.41 0.16 0.00	19.24 0.18 0.00	21.12 0.26 0.00	32.91 0.50 0.00	31.25 0.46 0.00	33.10 0.55 0.00	31.94 0.57 0.00	36.22 0.58 0.00	30.70 0.28 0.00	26.14 0.22 0.00
MADISON___COUNTY_LFGE 323628	20.93 0.23 0.00	17.83 0.18 0.00	17.80 0.19 0.00	19.37 0.22 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.70 0.60 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.51 0.27 0.00	12.85 0.24 0.00	14.79 0.29 0.00	22.22 0.40 0.00	25.37 0.44 0.00	14.51 0.25 0.00	19.48 0.42 0.00	21.32 0.46 0.00	33.16 0.76 0.00	31.47 0.68 0.00	33.35 0.80 0.00	32.20 0.83 0.00	36.40 0.76 0.00	31.01 0.60 0.00	26.41 0.49 0.00
MALONE___115KV_TB1 356076	45.11 -0.47 -24.89	40.58 -0.34 -23.27	40.53 -0.34 -23.26	42.97 -0.38 -24.20	24.10 -0.30 -7.54	17.38 -0.09 0.00	43.20 0.10 0.00	40.17 0.48 0.00	24.06 0.39 0.00	15.48 0.24 0.00	12.74 0.13 0.00	14.55 0.06 0.00	22.13 0.32 0.00	25.53 0.60 0.00	14.71 0.46 0.00	19.53 0.46 0.00	21.49 0.63 0.00	33.61 1.20 0.00	32.01 1.22 0.00	33.71 1.16 0.00	32.50 1.12 0.00	37.15 1.51 0.00	31.66 1.24 0.00	26.86 0.94 0.00
MAPLEWOD_115KV_TB3 80458	21.26 0.57 0.00	18.06 0.41 0.00	18.08 0.46 0.00	19.62 0.47 0.00	17.26 0.40 0.00	17.88 0.41 0.00	44.10 1.00 0.00	40.61 0.92 0.00	24.08 0.41 0.00	15.52 0.28 0.00	12.91 0.30 0.00	14.89 0.39 0.00	22.40 0.59 0.00	25.60 0.66 0.00	14.73 0.48 0.00	19.70 0.64 0.00	21.43 0.57 0.00	33.30 0.89 0.00	31.59 0.80 0.00	33.45 0.91 0.00	32.20 0.82 0.00	36.41 0.77 0.00	30.93 0.51 0.00	26.24 0.32 0.00
MAPLE_RIDGE_WT_1 323574	20.09 -0.60 0.00	17.25 -0.39 0.00	17.31 -0.30 0.00	18.88 -0.27 0.00	16.62 -0.25 0.00	17.17 -0.30 0.00	42.31 -0.79 0.00	39.04 -0.65 0.00	23.36 -0.31 0.00	15.11 -0.13 0.00	12.37 -0.24 0.00	14.22 -0.28 0.00	21.66 -0.15 0.00	24.92 -0.01 0.00	14.24 -0.02 0.00	18.93 -0.13 0.00	20.71 -0.15 0.00	32.42 0.02 0.00	30.88 0.08 0.00	32.54 0.00 0.00	31.39 0.02 0.00	35.74 0.10 0.00	30.35 -0.07 0.00	25.98 0.07 0.00
MAPLE_RIDGE_WT_2 323611	20.09 -0.60 0.00	17.25 -0.39 0.00	17.31 -0.30 0.00	18.88 -0.27 0.00	16.62 -0.25 0.00	17.17 -0.30 0.00	42.31 -0.79 0.00	39.04 -0.65 0.00	23.36 -0.31 0.00	15.11 -0.13 0.00	12.37 -0.24 0.00	14.22 -0.28 0.00	21.66 -0.15 0.00	24.92 -0.01 0.00	14.24 -0.02 0.00	18.93 -0.13 0.00	20.71 -0.15 0.00	32.42 0.02 0.00	30.88 0.08 0.00	32.54 0.00 0.00	31.39 0.02 0.00	35.74 0.10 0.00	30.35 -0.07 0.00	25.98 0.07 0.00
MARBLE_RIVER_WT_PWR 323696	-21.00 -1.30 40.39	-21.00 -0.89 37.76	-21.00 -0.87 37.74	-21.00 -0.88 39.27	3.69 -0.94 12.24	17.05 -0.42 0.00	43.03 -0.07 0.00	40.79 1.10 0.00	24.43 0.76 0.00	15.66 0.42 0.00	12.93 0.32 0.00	14.64 0.14 0.00	22.22 0.41 0.00	25.77 0.84 0.00	15.06 0.80 0.00	20.04 0.98 0.00	21.99 1.13 0.00	34.53 2.12 0.00	32.82 2.03 0.00	34.75 2.20 0.00	33.40 2.03 0.00	37.93 2.29 0.00	32.25 1.84 0.00	27.21 1.30 0.00
MARSHVLE_115KV_TB1 80742	21.49 0.79 0.00	18.41 0.77 0.00	18.33 0.72 0.00	19.99 0.84 0.00	17.65 0.79 0.00	18.28 0.81 0.00	45.22 2.11 0.00	41.65 1.96 0.00	24.91 1.23 0.00	16.11 0.87 0.00	13.24 0.63 0.00	15.21 0.71 0.00	22.98 1.16 0.00	26.25 1.32 0.00	14.95 0.70 0.00	19.99 0.93 0.00	21.98 1.12 0.00	34.18 1.77 0.00	32.51 1.72 0.00	34.42 1.87 0.00	33.23 1.86 0.00	37.73 2.09 0.00	32.26 1.84 0.00	27.60 1.68 0.00
MARSH_HILL_WT_PWR 323713	19.36 -1.34 0.00	16.67 -0.98 0.00	16.49 -1.12 0.00	17.87 -1.28 0.00	15.99 -0.87 0.00	16.85 -0.61 0.00	42.06 -1.04 0.00	38.30 -1.39 0.00	23.06 -0.62 0.00	14.82 -0.42 0.00	11.84 -0.77 0.00	13.32 -1.17 0.00	20.01 -1.80 0.00	22.47 -2.46 0.00	12.73 -1.53 0.00	17.42 -1.64 0.00	18.96 -1.90 0.00	29.49 -2.92 0.00	27.93 -2.86 0.00	30.55 -1.99 0.00	30.66 -0.71 0.00	34.59 -1.05 0.00	29.94 -0.47 0.00	25.63 -0.29 0.00
MCINTYRE_115KV_TB2 80467	25.19 0.11 -4.38	21.94 0.19 -4.10	21.89 0.18 -4.09	23.62 0.20 -4.26	18.32 0.13 -1.33	17.58 0.11 0.00	43.34 0.24 0.00	39.81 0.12 0.00	23.66 -0.02 0.00	15.30 0.06 0.00	12.60 -0.01 0.00	14.54 0.05 0.00	22.11 0.30 0.00	25.47 0.53 0.00	14.47 0.21 0.00	19.15 0.09 0.00	21.15 0.29 0.00	33.01 0.60 0.00	31.49 0.69 0.00	33.07 0.53 0.00	31.92 0.54 0.00	36.69 1.05 0.00	31.35 0.93 0.00	26.71 0.79 0.00
MECO____69_KV_BK1 80468	22.47 1.78 0.00	19.17 1.52 0.00	19.09 1.48 0.00	20.79 1.63 0.00	18.30 1.44 0.00	18.92 1.46 0.00	46.83 3.72 0.00	43.11 3.42 0.00	25.36 1.69 0.00	16.42 1.18 0.00	13.57 0.96 0.00	15.82 1.32 0.00	23.85 2.04 0.00	27.24 2.31 0.00	15.61 1.35 0.00	21.07 2.01 0.00	23.09 2.23 0.00	35.88 3.47 0.00	34.04 3.25 0.00	36.04 3.49 0.00	34.72 3.34 0.00	39.17 3.54 0.00	33.26 2.84 0.00	28.20 2.28 0.00
MENANDS__115KV_TB5 355628	21.18 0.49 0.00	18.00 0.35 0.00	18.02 0.41 0.00	19.56 0.41 0.00	17.21 0.35 0.00	17.82 0.35 0.00	43.97 0.87 0.00	40.50 0.80 0.00	24.00 0.33 0.00	15.48 0.23 0.00	12.88 0.27 0.00	14.84 0.35 0.00	22.32 0.50 0.00	25.51 0.57 0.00	14.68 0.43 0.00	19.63 0.57 0.00	21.35 0.49 0.00	33.16 0.75 0.00	31.47 0.67 0.00	33.31 0.77 0.00	32.07 0.70 0.00	36.26 0.62 0.00	30.81 0.39 0.00	26.14 0.22 0.00
MG INDUSTRY___DRP 24185	21.19 0.50 0.00	18.02 0.37 0.00	18.06 0.45 0.00	19.60 0.45 0.00	17.25 0.39 0.00	17.85 0.38 0.00	44.01 0.90 0.00	40.42 0.73 0.00	23.98 0.30 0.00	15.46 0.21 0.00	12.87 0.26 0.00	14.84 0.34 0.00	22.31 0.49 0.00	25.37 0.43 0.00	14.62 0.37 0.00	19.56 0.50 0.00	21.34 0.49 0.00	33.13 0.72 0.00	31.45 0.65 0.00	33.29 0.74 0.00	32.04 0.66 0.00	36.24 0.60 0.00	30.83 0.41 0.00	26.20 0.28 0.00
MID___OSWEGATCHIE_HYD 23849	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.68 -0.10 0.00	32.35 -0.20 0.00	31.17 -0.21 0.00	35.72 0.08 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00



MID___RAQUETTE_HYD 23851	25.84 -0.45 -5.60	22.59 -0.30 -5.24	22.56 -0.29 -5.24	24.29 -0.31 -5.44	18.26 -0.30 -1.70	17.08 -0.39 0.00	42.04 -1.06 0.00	38.63 -1.06 0.00	23.09 -0.58 0.00	14.93 -0.31 0.00	12.34 -0.27 0.00	14.22 -0.27 0.00	21.73 -0.09 0.00	24.96 0.03 0.00	14.20 -0.05 0.00	18.71 -0.35 0.00	20.59 -0.27 0.00	32.13 -0.28 0.00	30.64 -0.15 0.00	32.18 -0.36 0.00	31.03 -0.34 0.00	35.76 0.12 0.00	30.58 0.16 0.00	26.03 0.11 0.00
MILLIKEN___1 23584	20.71 0.02 0.00	17.66 0.01 0.00	17.54 -0.07 0.00	19.11 -0.04 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.41 0.30 0.00	39.92 0.23 0.00	23.86 0.18 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.51 0.01 0.00	21.70 -0.12 0.00	24.75 -0.18 0.00	14.08 -0.17 0.00	19.07 0.01 0.00	20.77 -0.09 0.00	32.23 -0.18 0.00	30.69 -0.10 0.00	32.70 0.16 0.00	31.64 0.27 0.00	35.67 0.03 0.00	30.49 0.08 0.00	26.06 0.15 0.00
MILLIKEN___2 23585	20.71 0.02 0.00	17.66 0.01 0.00	17.54 -0.07 0.00	19.11 -0.04 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.41 0.30 0.00	39.92 0.23 0.00	23.86 0.18 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.51 0.01 0.00	21.70 -0.12 0.00	24.75 -0.18 0.00	14.08 -0.17 0.00	19.07 0.01 0.00	20.77 -0.09 0.00	32.23 -0.18 0.00	30.69 -0.10 0.00	32.70 0.16 0.00	31.64 0.27 0.00	35.67 0.03 0.00	30.49 0.08 0.00	26.06 0.15 0.00
MILLIKEN___DIESEL 23629	20.71 0.02 0.00	17.66 0.01 0.00	17.54 -0.07 0.00	19.11 -0.04 0.00	16.88 0.02 0.00	17.52 0.05 0.00	43.41 0.30 0.00	39.92 0.23 0.00	23.86 0.18 0.00	15.34 0.10 0.00	12.69 0.08 0.00	14.51 0.01 0.00	21.70 -0.12 0.00	24.75 -0.18 0.00	14.08 -0.17 0.00	19.07 0.01 0.00	20.77 -0.09 0.00	32.23 -0.18 0.00	30.69 -0.10 0.00	32.70 0.16 0.00	31.64 0.27 0.00	35.67 0.03 0.00	30.49 0.08 0.00	26.06 0.15 0.00
MILLSEAT___LFGE 323607	19.77 -0.92 0.00	17.09 -0.55 0.00	16.84 -0.78 0.00	18.41 -0.74 0.00	16.18 -0.68 0.00	16.78 -0.69 0.00	41.23 -1.87 0.00	37.68 -2.01 0.00	22.68 -0.99 0.00	14.52 -0.72 0.00	11.85 -0.76 0.00	13.67 -0.82 0.00	20.41 -1.41 0.00	23.04 -1.89 0.00	13.13 -1.13 0.00	17.73 -1.33 0.00	19.29 -1.57 0.00	29.96 -2.45 0.00	28.25 -2.54 0.00	30.41 -2.14 0.00	29.78 -1.60 0.00	33.38 -2.26 0.00	29.12 -1.30 0.00	25.16 -0.76 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	21.87 1.17 0.00	18.53 0.88 0.00	18.46 0.84 0.00	20.03 0.88 0.00	17.66 0.79 0.00	18.30 0.83 0.00	45.10 1.99 0.00	41.58 1.88 0.00	24.82 1.15 0.00	15.95 0.70 0.00	13.21 0.60 0.00	15.14 0.64 0.00	22.79 0.98 0.00	26.20 1.27 0.00	15.04 0.78 0.00	19.99 0.93 0.00	21.75 0.89 0.00	33.66 1.25 0.00	31.96 1.17 0.00	33.97 1.42 0.00	32.71 1.33 0.00	36.86 1.22 0.00	31.35 0.93 0.00	26.69 0.77 0.00
MILLWOOD_13_KV_LOAD 356217	21.91 1.22 0.00	18.57 0.92 0.00	18.49 0.88 0.00	20.07 0.91 0.00	17.69 0.83 0.00	18.34 0.86 0.00	45.18 2.08 0.00	41.66 1.97 0.00	24.87 1.19 0.00	15.98 0.73 0.00	13.23 0.62 0.00	15.16 0.67 0.00	22.84 1.02 0.00	26.26 1.33 0.00	15.06 0.81 0.00	20.02 0.97 0.00	21.79 0.93 0.00	33.73 1.32 0.00	32.03 1.24 0.00	34.04 1.49 0.00	32.79 1.41 0.00	36.93 1.29 0.00	31.41 0.99 0.00	26.74 0.82 0.00
MODEL_CITY_ENERGY 24167	19.17 -1.52 0.00	16.62 -1.02 0.00	16.37 -1.24 0.00	17.90 -1.25 0.00	15.72 -1.14 0.00	16.30 -1.17 0.00	39.98 -3.12 0.00	36.48 -3.21 0.00	21.95 -1.73 0.00	14.02 -1.23 0.00	11.49 -1.12 0.00	13.25 -1.24 0.00	19.79 -2.03 0.00	22.39 -2.55 0.00	12.68 -1.58 0.00	17.10 -1.96 0.00	18.61 -2.25 0.00	28.86 -3.55 0.00	27.26 -3.53 0.00	29.27 -3.27 0.00	28.68 -2.70 0.00	32.16 -3.48 0.00	28.21 -2.21 0.00	24.45 -1.47 0.00
MODERN_LFGE___ 323580	19.17 -1.52 0.00	16.62 -1.02 0.00	16.37 -1.24 0.00	17.90 -1.25 0.00	15.72 -1.14 0.00	16.30 -1.17 0.00	39.98 -3.12 0.00	36.48 -3.21 0.00	21.95 -1.73 0.00	14.02 -1.23 0.00	11.49 -1.12 0.00	13.25 -1.24 0.00	19.79 -2.03 0.00	22.39 -2.55 0.00	12.68 -1.58 0.00	17.10 -1.96 0.00	18.61 -2.25 0.00	28.86 -3.55 0.00	27.26 -3.53 0.00	29.27 -3.27 0.00	28.68 -2.70 0.00	32.16 -3.48 0.00	28.21 -2.21 0.00	24.45 -1.47 0.00
MOHAWK_PAPER___DRP 24187	21.26 0.57 0.00	18.06 0.41 0.00	18.08 0.46 0.00	19.62 0.47 0.00	17.26 0.40 0.00	17.88 0.41 0.00	44.10 1.00 0.00	40.61 0.92 0.00	24.08 0.41 0.00	15.52 0.28 0.00	12.91 0.30 0.00	14.89 0.39 0.00	22.40 0.59 0.00	25.60 0.66 0.00	14.73 0.48 0.00	19.70 0.64 0.00	21.43 0.57 0.00	33.30 0.89 0.00	31.59 0.80 0.00	33.45 0.91 0.00	32.20 0.82 0.00	36.41 0.77 0.00	30.93 0.51 0.00	26.24 0.32 0.00
MOHICAN__35_KV_115KV_LD 80490	21.45 0.75 0.00	18.24 0.60 0.00	18.27 0.66 0.00	19.86 0.70 0.00	17.40 0.54 0.00	18.09 0.62 0.00	44.71 1.61 0.00	41.24 1.55 0.00	24.30 0.62 0.00	15.67 0.43 0.00	13.07 0.46 0.00	15.10 0.60 0.00	22.87 1.06 0.00	26.07 1.14 0.00	15.03 0.78 0.00	20.15 1.09 0.00	21.75 0.90 0.00	34.07 1.66 0.00	32.27 1.48 0.00	34.15 1.61 0.00	32.95 1.57 0.00	37.17 1.53 0.00	31.44 1.02 0.00	26.54 0.62 0.00
MONGAUP___HYD 23641	21.61 0.91 0.00	18.32 0.67 0.00	18.25 0.63 0.00	19.81 0.66 0.00	17.48 0.61 0.00	18.12 0.65 0.00	44.68 1.58 0.00	41.19 1.50 0.00	24.50 0.83 0.00	15.70 0.46 0.00	12.91 0.30 0.00	14.92 0.43 0.00	22.56 0.75 0.00	25.70 0.76 0.00	14.65 0.40 0.00	19.47 0.42 0.00	21.23 0.37 0.00	33.10 0.69 0.00	31.78 0.99 0.00	33.79 1.25 0.00	32.58 1.20 0.00	36.70 1.07 0.00	31.20 0.78 0.00	26.52 0.60 0.00
MONTAUK___DIESEL 23721	22.53 1.84 0.00	19.00 1.35 0.00	18.97 1.35 0.00	20.55 1.40 0.00	18.14 1.28 0.00	18.93 1.46 0.00	46.51 3.41 0.00	42.56 2.87 0.00	25.62 1.95 0.00	16.39 1.15 0.00	13.44 0.83 0.00	15.30 0.81 0.00	23.30 1.48 0.00	31.30 2.43 -3.94	19.25 1.13 -3.87	20.27 1.21 0.00	22.00 1.15 0.00	33.55 1.14 0.00	31.70 0.91 0.00	33.94 1.39 0.00	32.75 1.37 0.00	37.30 1.66 0.00	31.98 1.57 0.00	27.10 1.18 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	19.89 -0.80 0.00	16.98 -0.66 0.00	16.99 -0.63 0.00	18.66 -0.49 0.00	16.36 -0.51 0.00	16.84 -0.63 0.00	41.64 -1.46 0.00	37.84 -1.85 0.00	23.07 -0.61 0.00	14.76 -0.48 0.00	11.65 -0.96 0.00	13.59 -0.90 0.00	20.30 -1.52 0.00	22.67 -2.26 0.00	12.82 -1.44 0.00	17.36 -1.70 0.00	18.96 -1.90 0.00	30.10 -2.31 0.00	28.62 -2.17 0.00	31.36 -1.19 0.00	30.51 -0.86 0.00	34.11 -1.53 0.00	29.96 -0.46 0.00	25.84 -0.08 0.00
MORTIMER_115KV_TB3 55949	19.95 -0.75 0.00	17.16 -0.49 0.00	16.97 -0.64 0.00	18.52 -0.63 0.00	16.29 -0.57 0.00	16.89 -0.58 0.00	41.57 -1.54 0.00	38.10 -1.59 0.00	22.87 -0.80 0.00	14.68 -0.56 0.00	12.06 -0.55 0.00	13.87 -0.62 0.00	20.80 -1.02 0.00	23.59 -1.35 0.00	13.44 -0.81 0.00	18.15 -0.91 0.00	19.75 -1.11 0.00	30.65 -1.77 0.00	28.98 -1.82 0.00	30.99 -1.56 0.00	30.18 -1.20 0.00	33.94 -1.70 0.00	29.35 -1.06 0.00	25.23 -0.69 0.00



MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.01 1.32 0.00	18.65 1.01 0.00	18.56 0.95 0.00	20.14 0.99 0.00	17.76 0.90 0.00	18.40 0.93 0.00	45.32 2.22 0.00	41.79 2.10 0.00	24.98 1.31 0.00	16.01 0.82 0.04	13.30 0.69 0.01	15.24 0.74 0.00	22.94 1.12 0.00	26.37 1.44 0.00	15.13 0.87 0.00	20.10 1.04 0.00	21.87 1.01 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.10 1.55 0.00	32.85 1.47 0.00	36.98 1.34 0.00	31.48 1.06 0.00	26.81 0.89 0.00
MUNSVILLE_WIND_PWR 323609	21.21 0.52 0.00	18.05 0.40 0.00	18.06 0.45 0.00	19.90 0.75 0.00	17.68 0.82 0.00	18.49 1.02 0.00	45.89 2.79 0.00	42.07 2.38 0.00	25.34 1.67 0.00	16.32 1.08 0.00	13.51 0.90 0.00	15.42 0.93 0.00	22.73 0.91 0.00	25.79 0.86 0.00	14.54 0.29 0.00	19.89 0.83 0.00	21.81 0.95 0.00	33.74 1.33 0.00	32.61 1.82 0.00	34.62 2.08 0.00	33.59 2.21 0.00	37.55 1.91 0.00	32.38 1.96 0.00	27.56 1.64 0.00
N SALMON___HYD 24042	45.10 -0.47 -24.89	40.57 -0.34 -23.27	40.52 -0.35 -23.26	42.97 -0.38 -24.20	24.10 -0.30 -7.54	17.38 -0.09 0.00	43.20 0.10 0.00	40.17 0.48 0.00	24.06 0.38 0.00	15.48 0.24 0.00	12.74 0.13 0.00	14.55 0.06 0.00	22.13 0.32 0.00	25.53 0.60 0.00	14.71 0.45 0.00	19.53 0.46 0.00	21.49 0.63 0.00	33.61 1.20 0.00	32.01 1.22 0.00	33.71 1.16 0.00	32.50 1.12 0.00	37.15 1.51 0.00	31.66 1.24 0.00	26.86 0.94 0.00
N.AKRON___115KV_KNAPP 355671	19.68 -1.02 0.00	17.02 -0.62 0.00	16.77 -0.85 0.00	18.34 -0.82 0.00	16.12 -0.74 0.00	16.72 -0.75 0.00	41.03 -2.07 0.00	37.49 -2.20 0.00	22.58 -1.09 0.00	14.44 -0.80 0.00	11.80 -0.81 0.00	13.61 -0.88 0.00	20.31 -1.51 0.00	22.94 -2.00 0.00	13.05 -1.20 0.00	17.62 -1.44 0.00	19.17 -1.69 0.00	29.76 -2.65 0.00	28.09 -2.70 0.00	30.22 -2.33 0.00	29.60 -1.77 0.00	33.18 -2.46 0.00	28.99 -1.43 0.00	25.07 -0.85 0.00
N.BELMOR_69_KV_BK1 55787	22.16 1.47 0.00	18.77 1.12 0.00	18.68 1.07 0.00	20.25 1.10 0.00	17.86 1.00 0.00	18.56 1.09 0.00	45.72 2.61 0.00	41.80 2.11 0.00	25.17 1.50 0.00	16.16 0.92 0.00	13.34 0.73 0.00	15.22 0.72 0.00	23.02 1.21 0.00	30.88 1.75 -4.20	19.14 0.96 -3.92	20.10 1.04 0.00	21.87 1.02 0.00	33.65 1.24 0.00	31.90 1.11 0.00	34.02 1.48 0.00	32.79 1.42 0.00	37.08 1.44 0.00	31.60 1.19 0.00	26.91 1.00 0.00
N.E._GEN_SANDY PD 24062	21.52 0.83 0.00	18.26 0.61 0.00	18.25 0.64 0.00	19.80 0.64 0.00	17.40 0.54 0.00	18.05 0.58 0.00	44.51 1.40 0.00	41.04 1.34 0.00	23.09 0.58 1.16	15.25 0.34 0.33	12.94 0.33 0.00	14.91 0.42 0.00	22.49 0.68 0.00	25.84 0.91 0.00	14.88 0.63 0.00	20.01 0.80 -0.14	19.67 0.71 1.89	36.19 1.09 -2.69	32.56 0.99 -0.78	34.51 1.19 -0.78	32.45 1.07 0.00	36.96 1.01 -0.31	30.83 0.68 0.27	24.85 0.42 1.49
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	21.79 1.09 0.00	18.44 0.79 0.00	18.36 0.75 0.00	19.93 0.78 0.00	17.58 0.72 0.00	18.22 0.75 0.00	44.96 1.86 0.00	41.49 1.80 0.00	24.75 1.08 0.00	15.90 0.65 0.00	13.15 0.54 0.00	15.08 0.58 0.00	22.69 0.87 0.00	26.08 1.14 0.00	14.97 0.71 0.00	19.90 0.84 0.00	21.68 0.82 0.00	33.57 1.16 0.00	31.86 1.07 0.00	33.87 1.33 0.00	32.63 1.26 0.00	36.77 1.13 0.00	31.25 0.84 0.00	26.60 0.68 0.00
N.QUEENS_27_KV_LOAD 356247	22.17 1.48 0.00	18.79 1.15 0.00	18.69 1.07 0.00	20.27 1.12 0.00	17.89 1.02 0.00	18.51 1.03 0.00	45.54 2.44 0.00	42.06 2.37 0.00	25.10 1.43 0.00	17.78 0.91 -1.62	13.71 0.78 -0.33	15.30 0.81 0.00	23.07 1.26 0.00	26.57 1.64 0.00	15.21 0.96 0.00	20.07 1.02 0.00	21.95 1.10 0.00	33.94 1.52 0.00	32.17 1.38 0.00	34.16 1.61 0.00	32.95 1.58 0.00	37.08 1.44 0.00	31.57 1.15 0.00	27.00 1.08 0.00
N.TROY___115KV_TB1 355778	21.27 0.57 0.00	18.07 0.43 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.26 0.40 0.00	17.90 0.43 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.03 0.35 0.00	15.46 0.22 0.00	12.87 0.26 0.00	14.86 0.36 0.00	22.41 0.59 0.00	25.63 0.69 0.00	14.75 0.50 0.00	19.75 0.69 0.00	21.46 0.60 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.51 0.97 0.00	32.25 0.88 0.00	36.49 0.85 0.00	30.98 0.56 0.00	26.24 0.32 0.00
NARROWS_GT1_1 24228	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_2 24229	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_3 24230	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_4 24231	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_5 24232	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_6 24233	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00



NARROWS_GT1_7 24234	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT1_8 24235	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_1 24236	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_2 24237	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_3 24238	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_4 24239	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_5 24240	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_6 24241	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_7 24242	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NARROWS_GT2_8 24243	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.48 0.78 0.00	18.26 0.62 0.00	18.30 0.69 0.00	19.87 0.72 0.00	17.47 0.61 0.00	18.09 0.62 0.00	44.68 1.57 0.00	41.09 1.40 0.00	24.24 0.57 0.00	15.65 0.41 0.00	13.05 0.44 0.00	15.15 0.65 0.00	22.70 0.88 0.00	25.61 0.68 0.00	14.80 0.55 0.00	19.92 0.86 0.00	21.82 0.96 0.00	33.98 1.57 0.00	32.21 1.42 0.00	34.06 1.51 0.00	32.77 1.40 0.00	37.01 1.37 0.00	31.40 0.98 0.00	26.59 0.67 0.00
NCHELSEA_115KV_TR2 355582	22.03 1.34 0.00	18.67 1.02 0.00	18.61 1.00 0.00	20.19 1.04 0.00	17.80 0.94 0.00	18.45 0.98 0.00	45.50 2.40 0.00	41.96 2.27 0.00	24.99 1.32 0.00	16.04 0.80 0.00	13.30 0.70 0.00	15.31 0.81 0.00	23.03 1.21 0.00	26.34 1.41 0.00	15.17 0.91 0.00	20.21 1.15 0.00	21.97 1.11 0.00	34.12 1.71 0.00	32.41 1.61 0.00	34.43 1.89 0.00	33.16 1.79 0.00	37.36 1.72 0.00	31.74 1.32 0.00	26.98 1.06 0.00
NEG CAPITAL___MECHNVIL 23645	21.47 0.78 0.00	18.26 0.61 0.00	18.27 0.66 0.00	19.85 0.70 0.00	17.45 0.58 0.00	18.08 0.61 0.00	44.66 1.56 0.00	41.15 1.45 0.00	24.31 0.64 0.00	15.66 0.42 0.00	13.04 0.43 0.00	15.06 0.57 0.00	22.73 0.91 0.00	25.96 1.02 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.74 0.89 0.00	33.87 1.47 0.00	32.09 1.30 0.00	34.00 1.45 0.00	32.73 1.35 0.00	36.97 1.34 0.00	31.36 0.94 0.00	26.56 0.64 0.00
NEG CENTRAL_HIGH_ACRES 23767	19.69 -1.01 0.00	16.90 -0.74 0.00	16.74 -0.87 0.00	18.26 -0.90 0.00	16.06 -0.80 0.00	16.65 -0.82 0.00	41.04 -2.06 0.00	37.69 -2.01 0.00	22.58 -1.09 0.00	14.52 -0.72 0.00	11.95 -0.66 0.00	13.72 -0.78 0.00	20.56 -1.25 0.00	23.35 -1.58 0.00	13.31 -0.95 0.00	17.98 -1.08 0.00	19.60 -1.26 0.00	30.43 -1.98 0.00	28.78 -2.01 0.00	30.73 -1.81 0.00	29.86 -1.52 0.00	33.61 -2.03 0.00	28.95 -1.46 0.00	24.85 -1.07 0.00
NEG CENTRAL___DRP 24199	20.33 -0.37 0.00	17.36 -0.28 0.00	17.24 -0.37 0.00	18.77 -0.38 0.00	16.57 -0.29 0.00	17.20 -0.27 0.00	42.57 -0.53 0.00	39.10 -0.59 0.00	23.41 -0.26 0.00	15.05 -0.19 0.00	12.41 -0.20 0.00	14.19 -0.31 0.00	21.25 -0.56 0.00	24.17 -0.77 0.00	13.77 -0.49 0.00	18.66 -0.40 0.00	20.33 -0.53 0.00	31.50 -0.91 0.00	29.93 -0.86 0.00	31.92 -0.62 0.00	30.96 -0.42 0.00	34.89 -0.75 0.00	29.93 -0.49 0.00	25.63 -0.29 0.00



NEG CENTRAL___INDECK 23768	20.38 -0.31 0.00	17.52 -0.12 0.00	17.30 -0.31 0.00	18.86 -0.30 0.00	16.68 -0.18 0.00	17.39 -0.08 0.00	43.04 -0.07 0.00	39.43 -0.26 0.00	23.60 -0.07 0.00	15.22 -0.02 0.00	12.24 -0.37 0.00	13.90 -0.59 0.00	20.96 -0.86 0.00	23.65 -1.29 0.00	13.48 -0.78 0.00	18.35 -0.71 0.00	19.74 -1.11 0.00	30.92 -1.49 0.00	29.49 -1.30 0.00	31.87 -0.68 0.00	31.46 0.09 0.00	35.35 -0.29 0.00	30.55 0.13 0.00	26.19 0.27 0.00
NEG CENTRAL___SENECA 23627	20.32 -0.37 0.00	17.37 -0.27 0.00	17.22 -0.40 0.00	18.76 -0.39 0.00	16.58 -0.29 0.00	17.21 -0.26 0.00	42.62 -0.48 0.00	39.09 -0.61 0.00	23.46 -0.21 0.00	15.07 -0.18 0.00	12.40 -0.21 0.00	14.16 -0.34 0.00	21.18 -0.64 0.00	24.04 -0.89 0.00	13.67 -0.58 0.00	18.60 -0.46 0.00	20.24 -0.61 0.00	31.36 -1.05 0.00	29.79 -1.00 0.00	31.84 -0.71 0.00	30.96 -0.41 0.00	34.84 -0.80 0.00	29.97 -0.45 0.00	25.70 -0.22 0.00
NEG CENTRAL___STATE_STREET 24147	20.48 -0.21 0.00	17.48 -0.17 0.00	17.38 -0.23 0.00	18.92 -0.23 0.00	16.70 -0.16 0.00	17.32 -0.15 0.00	42.89 -0.21 0.00	39.51 -0.18 0.00	23.56 -0.12 0.00	15.14 -0.10 0.00	12.51 -0.10 0.00	14.35 -0.14 0.00	21.52 -0.29 0.00	24.48 -0.46 0.00	13.96 -0.30 0.00	18.92 -0.14 0.00	20.60 -0.25 0.00	31.90 -0.51 0.00	30.37 -0.42 0.00	32.36 -0.19 0.00	31.25 -0.13 0.00	35.26 -0.38 0.00	30.11 -0.30 0.00	25.80 -0.13 0.00
NEG MILLWOOD___DRP 24198	22.07 1.38 0.00	18.71 1.06 0.00	18.64 1.03 0.00	20.23 1.08 0.00	17.83 0.97 0.00	18.48 1.01 0.00	45.58 2.48 0.00	42.03 2.34 0.00	25.06 1.39 0.00	16.09 0.85 0.00	13.34 0.73 0.00	15.33 0.84 0.00	23.07 1.25 0.00	26.44 1.50 0.00	15.19 0.94 0.00	20.23 1.17 0.00	22.01 1.15 0.00	34.12 1.71 0.00	32.40 1.61 0.00	34.44 1.90 0.00	33.17 1.79 0.00	37.35 1.71 0.00	31.74 1.32 0.00	26.98 1.06 0.00
NEG NORTH_FLCN_SEA 23793	-20.60 -0.90 40.40	-20.75 -0.63 37.77	-20.74 -0.61 37.75	-20.75 -0.63 39.28	4.00 -0.62 12.24	17.30 -0.17 0.00	43.45 0.34 0.00	40.95 1.25 0.00	24.49 0.82 0.00	15.71 0.47 0.00	12.98 0.37 0.00	14.74 0.24 0.00	22.35 0.53 0.00	25.91 0.97 0.00	15.08 0.83 0.00	20.05 0.99 0.00	22.01 1.15 0.00	34.55 2.13 0.00	32.84 2.05 0.00	34.77 2.22 0.00	33.44 2.06 0.00	37.98 2.34 0.00	32.31 1.89 0.00	27.29 1.37 0.00
NEG NORTH_KES_CHATEGAY 23792	-22.53 -0.69 42.53	-22.63 -0.52 39.76	-22.66 -0.54 39.74	-22.77 -0.58 41.35	3.52 -0.46 12.88	17.28 -0.19 0.00	43.11 0.01 0.00	40.18 0.49 0.00	24.05 0.38 0.00	15.45 0.21 0.00	12.72 0.11 0.00	14.51 0.02 0.00	21.99 0.17 0.00	25.39 0.45 0.00	14.67 0.42 0.00	19.53 0.47 0.00	21.48 0.62 0.00	33.63 1.22 0.00	32.03 1.24 0.00	33.77 1.22 0.00	32.55 1.17 0.00	37.14 1.50 0.00	31.65 1.23 0.00	26.86 0.94 0.00
NEG NORTH___ALICE_FALLS 23915	-20.83 -0.78 40.74	-21.00 -0.57 38.08	-21.01 -0.56 38.07	-21.03 -0.58 39.60	3.96 -0.56 12.34	17.33 -0.14 0.00	43.48 0.38 0.00	40.90 1.21 0.00	24.46 0.79 0.00	15.68 0.44 0.00	12.94 0.33 0.00	14.71 0.21 0.00	22.32 0.50 0.00	25.87 0.94 0.00	15.04 0.79 0.00	20.01 0.95 0.00	21.98 1.13 0.00	34.49 2.08 0.00	32.79 2.00 0.00	34.70 2.15 0.00	33.39 2.01 0.00	37.95 2.31 0.00	32.27 1.85 0.00	27.26 1.34 0.00
NEG NORTH___LWR_SARANAC 23913	-20.83 -0.78 40.74	-21.00 -0.57 38.08	-21.01 -0.56 38.07	-21.03 -0.58 39.60	3.96 -0.56 12.34	17.33 -0.14 0.00	43.48 0.38 0.00	40.90 1.21 0.00	24.46 0.79 0.00	15.68 0.44 0.00	12.94 0.33 0.00	14.71 0.21 0.00	22.32 0.50 0.00	25.87 0.94 0.00	15.04 0.79 0.00	20.01 0.95 0.00	21.98 1.13 0.00	34.49 2.08 0.00	32.79 2.00 0.00	34.70 2.15 0.00	33.39 2.01 0.00	37.95 2.31 0.00	32.27 1.85 0.00	27.26 1.34 0.00
NEG NORTH___PLATTSBURG 23628	-20.83 -0.79 40.74	-21.02 -0.58 38.08	-21.02 -0.57 38.07	-21.05 -0.59 39.60	3.96 -0.56 12.34	17.33 -0.14 0.00	43.48 0.38 0.00	40.90 1.20 0.00	24.46 0.79 0.00	15.68 0.44 0.00	12.94 0.33 0.00	14.71 0.21 0.00	22.32 0.50 0.00	25.87 0.94 0.00	15.04 0.79 0.00	20.01 0.95 0.00	21.98 1.13 0.00	34.49 2.08 0.00	32.79 2.00 0.00	34.70 2.15 0.00	33.39 2.01 0.00	37.95 2.31 0.00	32.27 1.85 0.00	27.26 1.34 0.00
NEG WEST_LEA_LOCKPORT 23791	19.36 -1.33 0.00	16.78 -0.87 0.00	16.52 -1.09 0.00	18.07 -1.08 0.00	15.89 -0.97 0.00	16.47 -1.00 0.00	40.40 -2.70 0.00	36.88 -2.82 0.00	22.20 -1.47 0.00	14.18 -1.06 0.00	11.61 -1.00 0.00	13.39 -1.11 0.00	19.99 -1.83 0.00	22.61 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.78 0.00	18.80 -2.06 0.00	29.16 -3.25 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.36 0.00	32.54 -3.10 0.00	28.51 -1.91 0.00	24.71 -1.21 0.00
NEG WEST___LANCASTR 23811	20.03 -0.66 0.00	17.26 -0.39 0.00	17.02 -0.60 0.00	18.61 -0.54 0.00	16.41 -0.46 0.00	17.00 -0.47 0.00	41.90 -1.21 0.00	38.30 -1.39 0.00	23.02 -0.65 0.00	14.70 -0.54 0.00	12.06 -0.55 0.00	13.88 -0.61 0.00	20.77 -1.05 0.00	23.54 -1.40 0.00	13.34 -0.92 0.00	18.03 -1.03 0.00	19.54 -1.32 0.00	30.39 -2.02 0.00	28.67 -2.12 0.00	30.85 -1.69 0.00	30.15 -1.23 0.00	33.82 -1.82 0.00	29.50 -0.92 0.00	25.49 -0.43 0.00
NEG_PENN_ALLEGHNY 23528	20.59 -0.10 0.00	17.55 -0.10 0.00	17.45 -0.16 0.00	19.04 -0.11 0.00	16.81 -0.05 0.00	17.44 -0.03 0.00	43.20 0.09 0.00	39.68 -0.02 0.00	23.77 0.10 0.00	15.25 0.01 0.00	12.61 0.00 0.00	14.46 -0.04 0.00	21.62 -0.19 0.00	24.71 -0.22 0.00	14.09 -0.17 0.00	18.96 -0.10 0.00	20.64 -0.22 0.00	32.03 -0.38 0.00	30.37 -0.42 0.00	32.39 -0.15 0.00	31.37 -0.01 0.00	35.34 -0.30 0.00	30.32 -0.10 0.00	25.92 0.01 0.00
NEG___GEN_MONROE 24207	20.05 -0.65 0.00	17.26 -0.39 0.00	17.05 -0.56 0.00	18.62 -0.54 0.00	16.38 -0.49 0.00	16.98 -0.49 0.00	41.77 -1.33 0.00	38.29 -1.40 0.00	22.99 -0.68 0.00	14.75 -0.49 0.00	12.09 -0.52 0.00	13.92 -0.58 0.00	20.83 -0.98 0.00	23.63 -1.31 0.00	13.48 -0.78 0.00	18.20 -0.86 0.00	19.80 -1.06 0.00	30.75 -1.67 0.00	29.05 -1.75 0.00	31.10 -1.44 0.00	30.32 -1.06 0.00	34.07 -1.57 0.00	29.50 -0.92 0.00	25.38 -0.54 0.00
NEPA___ENERGY 23901	20.00 -0.69 0.00	17.08 -0.57 0.00	16.87 -0.75 0.00	18.48 -0.68 0.00	16.32 -0.55 0.00	16.87 -0.60 0.00	41.88 -1.23 0.00	38.24 -1.45 0.00	23.11 -0.57 0.00	14.69 -0.55 0.00	11.98 -0.63 0.00	13.81 -0.68 0.00	20.61 -1.20 0.00	23.38 -1.55 0.00	13.26 -1.00 0.00	17.94 -1.12 0.00	19.40 -1.46 0.00	30.27 -2.14 0.00	28.60 -2.19 0.00	30.95 -1.60 0.00	30.13 -1.24 0.00	33.79 -1.85 0.00	29.43 -0.99 0.00	25.40 -0.52 0.00
NEVERSINK___HYD 23608	22.12 1.43 0.00	18.75 1.11 0.00	18.67 1.06 0.00	20.28 1.13 0.00	17.89 1.02 0.00	18.54 1.07 0.00	45.72 2.62 0.00	42.18 2.48 0.00	25.14 1.47 0.00	16.11 0.86 0.00	13.29 0.68 0.00	15.34 0.85 0.00	23.03 1.22 0.00	26.30 1.36 0.00	15.17 0.92 0.00	20.22 1.16 0.00	21.85 1.00 0.00	34.18 1.77 0.00	32.42 1.63 0.00	34.50 1.96 0.00	33.29 1.91 0.00	37.49 1.85 0.00	31.87 1.45 0.00	27.09 1.17 0.00



NEWKRMKL_115KV_TB1 55635	21.02 0.33 0.00	17.87 0.22 0.00	17.89 0.27 0.00	19.43 0.27 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.64 0.54 0.00	40.20 0.50 0.00	23.84 0.17 0.00	15.38 0.14 0.00	12.81 0.20 0.00	14.76 0.27 0.00	22.16 0.35 0.00	25.32 0.39 0.00	14.60 0.34 0.00	19.48 0.42 0.00	21.19 0.34 0.00	32.92 0.51 0.00	31.24 0.45 0.00	33.07 0.52 0.00	31.83 0.45 0.00	35.98 0.34 0.00	30.58 0.16 0.00	25.96 0.04 0.00
NEWTON___FALLS_HYD 23847	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.68 -0.10 0.00	32.35 -0.20 0.00	31.17 -0.21 0.00	35.72 0.08 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00
NGRID_A1_DSASP 323792	19.09 -1.60 0.00	16.58 -1.07 0.00	16.32 -1.29 0.00	17.86 -1.29 0.00	15.68 -1.19 0.00	16.25 -1.22 0.00	39.80 -3.30 0.00	36.31 -3.38 0.00	21.82 -1.85 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.96 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
NGRID_A2_DSASP 323793	19.09 -1.60 0.00	16.58 -1.07 0.00	16.32 -1.29 0.00	17.86 -1.29 0.00	15.68 -1.19 0.00	16.25 -1.22 0.00	39.80 -3.30 0.00	36.31 -3.38 0.00	21.82 -1.85 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.96 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
NGRID_A4_DSASP 323807	19.09 -1.60 0.00	16.58 -1.07 0.00	16.32 -1.29 0.00	17.86 -1.29 0.00	15.68 -1.19 0.00	16.25 -1.22 0.00	39.80 -3.30 0.00	36.31 -3.38 0.00	21.82 -1.85 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.96 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
NIAGARA_115E_LBMP 323715	19.06 -1.64 0.00	16.54 -1.11 0.00	16.28 -1.33 0.00	17.81 -1.34 0.00	15.64 -1.22 0.00	16.21 -1.26 0.00	39.75 -3.36 0.00	36.25 -3.44 0.00	21.81 -1.86 0.00	13.93 -1.31 0.00	11.42 -1.19 0.00	13.17 -1.32 0.00	19.68 -2.14 0.00	22.28 -2.66 0.00	12.61 -1.65 0.00	17.00 -2.06 0.00	18.50 -2.36 0.00	28.67 -3.75 0.00	27.08 -3.71 0.00	29.08 -3.47 0.00	28.48 -2.89 0.00	31.94 -3.70 0.00	28.03 -2.39 0.00	24.31 -1.60 0.00
NIAGARA_115W_LBMP 323714	19.06 -1.63 0.00	16.55 -1.10 0.00	16.29 -1.32 0.00	17.83 -1.33 0.00	15.65 -1.22 0.00	16.21 -1.26 0.00	39.72 -3.39 0.00	36.24 -3.45 0.00	21.78 -1.90 0.00	13.92 -1.32 0.00	11.43 -1.18 0.00	13.19 -1.30 0.00	19.62 -2.20 0.00	22.18 -2.75 0.00	12.54 -1.72 0.00	16.93 -2.14 0.00	18.40 -2.45 0.00	28.51 -3.90 0.00	26.93 -3.87 0.00	28.89 -3.66 0.00	28.27 -3.10 0.00	31.73 -3.91 0.00	27.83 -2.58 0.00	24.28 -1.64 0.00
NIAGARA_230_LBMP 323716	19.22 -1.47 0.00	16.67 -0.97 0.00	16.42 -1.19 0.00	17.97 -1.19 0.00	15.78 -1.09 0.00	16.35 -1.12 0.00	40.08 -3.02 0.00	36.60 -3.09 0.00	21.98 -1.69 0.00	14.06 -1.19 0.00	11.55 -1.07 0.00	13.32 -1.18 0.00	19.91 -1.91 0.00	22.54 -2.40 0.00	12.75 -1.51 0.00	17.21 -1.85 0.00	18.70 -2.16 0.00	28.99 -3.42 0.00	27.37 -3.43 0.00	29.36 -3.18 0.00	28.73 -2.65 0.00	32.25 -3.39 0.00	28.25 -2.17 0.00	24.50 -1.42 0.00
NIAGARA___115KV_198_GIBSON 55903	19.07 -1.63 0.00	16.54 -1.11 0.00	16.29 -1.33 0.00	17.83 -1.33 0.00	15.65 -1.21 0.00	16.22 -1.26 0.00	39.70 -3.40 0.00	36.23 -3.46 0.00	21.79 -1.89 0.00	13.92 -1.32 0.00	11.43 -1.18 0.00	13.19 -1.31 0.00	19.61 -2.20 0.00	22.19 -2.75 0.00	12.54 -1.71 0.00	16.93 -2.14 0.00	18.40 -2.45 0.00	28.51 -3.90 0.00	26.93 -3.87 0.00	28.88 -3.66 0.00	28.27 -3.10 0.00	31.73 -3.91 0.00	27.83 -2.58 0.00	24.28 -1.64 0.00
NIAGARA____ 23760	19.22 -1.47 0.00	16.67 -0.97 0.00	16.42 -1.19 0.00	17.97 -1.19 0.00	15.78 -1.09 0.00	16.35 -1.12 0.00	40.08 -3.02 0.00	36.60 -3.09 0.00	21.98 -1.69 0.00	14.06 -1.19 0.00	11.55 -1.07 0.00	13.32 -1.18 0.00	19.91 -1.91 0.00	22.54 -2.40 0.00	12.75 -1.51 0.00	17.21 -1.85 0.00	18.70 -2.16 0.00	28.99 -3.42 0.00	27.37 -3.43 0.00	29.36 -3.18 0.00	28.73 -2.65 0.00	32.25 -3.39 0.00	28.25 -2.17 0.00	24.50 -1.42 0.00
NINE_MILE_1 23575	19.99 -0.70 0.00	17.07 -0.58 0.00	17.00 -0.62 0.00	18.50 -0.65 0.00	16.30 -0.57 0.00	16.88 -0.59 0.00	41.68 -1.43 0.00	38.34 -1.35 0.00	22.90 -0.77 0.00	14.74 -0.50 0.00	12.19 -0.43 0.00	13.99 -0.50 0.00	21.03 -0.79 0.00	24.01 -0.92 0.00	13.72 -0.54 0.00	18.41 -0.65 0.00	20.11 -0.75 0.00	31.22 -1.19 0.00	29.62 -1.17 0.00	31.43 -1.12 0.00	30.37 -1.00 0.00	34.36 -1.28 0.00	29.38 -1.04 0.00	25.08 -0.84 0.00
NINE_MILE_2 23744	19.99 -0.70 0.00	17.07 -0.58 0.00	17.00 -0.61 0.00	18.51 -0.65 0.00	16.30 -0.57 0.00	16.89 -0.58 0.00	41.68 -1.42 0.00	38.35 -1.35 0.00	22.90 -0.77 0.00	14.74 -0.50 0.00	12.19 -0.42 0.00	13.99 -0.50 0.00	21.03 -0.78 0.00	24.02 -0.91 0.00	13.72 -0.53 0.00	18.41 -0.65 0.00	20.11 -0.74 0.00	31.22 -1.19 0.00	29.63 -1.16 0.00	31.44 -1.10 0.00	30.38 -1.00 0.00	34.36 -1.28 0.00	29.38 -1.04 0.00	25.08 -0.84 0.00
NM_CAPITAL___DRP 24208	21.01 0.32 0.00	17.86 0.21 0.00	17.88 0.27 0.00	19.41 0.26 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.62 0.52 0.00	40.17 0.47 0.00	23.82 0.14 0.00	15.37 0.12 0.00	12.79 0.18 0.00	14.74 0.24 0.00	22.14 0.32 0.00	25.30 0.37 0.00	14.58 0.33 0.00	19.46 0.39 0.00	21.16 0.31 0.00	32.87 0.46 0.00	31.20 0.40 0.00	33.03 0.48 0.00	31.79 0.41 0.00	35.94 0.30 0.00	30.55 0.13 0.00	25.93 0.01 0.00
NM_CENTRAL___DRP 24181	20.31 -0.39 0.00	17.33 -0.32 0.00	17.25 -0.36 0.00	18.78 -0.37 0.00	16.55 -0.31 0.00	17.15 -0.32 0.00	42.35 -0.75 0.00	38.93 -0.76 0.00	23.28 -0.40 0.00	14.99 -0.25 0.00	12.39 -0.22 0.00	14.22 -0.27 0.00	21.35 -0.47 0.00	24.38 -0.56 0.00	13.92 -0.34 0.00	18.72 -0.34 0.00	20.43 -0.43 0.00	31.73 -0.68 0.00	30.08 -0.71 0.00	31.96 -0.59 0.00	30.91 -0.46 0.00	34.90 -0.74 0.00	29.84 -0.57 0.00	25.47 -0.45 0.00
NM_FRONTIER___DRP 24179	19.07 -1.63 0.00	16.54 -1.11 0.00	16.29 -1.33 0.00	17.83 -1.33 0.00	15.65 -1.21 0.00	16.22 -1.26 0.00	39.70 -3.40 0.00	36.23 -3.46 0.00	21.79 -1.89 0.00	13.92 -1.32 0.00	11.43 -1.18 0.00	13.19 -1.31 0.00	19.61 -2.20 0.00	22.19 -2.75 0.00	12.54 -1.71 0.00	16.93 -2.14 0.00	18.40 -2.45 0.00	28.51 -3.90 0.00	26.93 -3.87 0.00	28.88 -3.66 0.00	28.27 -3.10 0.00	31.73 -3.91 0.00	27.83 -2.58 0.00	24.28 -1.64 0.00



NM_ST_REGIS___HYD 24053	29.81 -0.45 -9.57	26.29 -0.30 -8.95	26.26 -0.30 -8.94	28.14 -0.32 -9.31	19.47 -0.29 -2.90	17.16 -0.31 0.00	42.37 -0.73 0.00	39.06 -0.63 0.00	23.37 -0.30 0.00	15.09 -0.15 0.00	12.45 -0.16 0.00	14.32 -0.17 0.00	21.85 0.04 0.00	25.13 0.20 0.00	14.35 0.10 0.00	18.94 -0.11 0.00	20.85 -0.01 0.00	32.55 0.15 0.00	31.04 0.25 0.00	32.62 0.07 0.00	31.46 0.08 0.00	36.18 0.54 0.00	30.90 0.48 0.00	26.28 0.36 0.00
NORTHPORT___1 23551	22.26 1.57 0.00	18.88 1.24 0.00	18.81 1.20 0.00	20.38 1.23 0.00	17.99 1.13 0.00	18.71 1.24 0.00	45.93 2.83 0.00	41.89 2.19 0.00	25.26 1.59 0.00	16.26 1.02 0.00	13.41 0.79 0.00	15.28 0.79 0.00	23.15 1.34 0.00	30.75 1.89 -3.93	19.16 1.04 -3.86	20.20 1.14 0.00	21.92 1.07 0.00	33.51 1.10 0.00	31.65 0.86 0.00	33.74 1.19 0.00	32.54 1.17 0.00	36.89 1.25 0.00	31.52 1.11 0.00	26.94 1.02 0.00
NORTHPORT___2 23552	22.26 1.57 0.00	18.88 1.24 0.00	18.81 1.20 0.00	20.38 1.23 0.00	17.99 1.13 0.00	18.71 1.24 0.00	45.93 2.83 0.00	41.89 2.19 0.00	25.26 1.59 0.00	16.26 1.02 0.00	13.41 0.79 0.00	15.28 0.79 0.00	23.15 1.34 0.00	30.75 1.89 -3.93	19.16 1.04 -3.86	20.20 1.14 0.00	21.92 1.07 0.00	33.51 1.10 0.00	31.65 0.86 0.00	33.74 1.19 0.00	32.54 1.17 0.00	36.89 1.25 0.00	31.52 1.11 0.00	26.94 1.02 0.00
NORTHPORT___3 23553	21.86 1.17 0.00	18.55 0.90 0.00	18.47 0.86 0.00	20.02 0.86 0.00	17.66 0.79 0.00	18.35 0.88 0.00	45.09 1.99 0.00	41.08 1.39 0.00	24.82 1.15 0.00	15.98 0.74 0.00	13.18 0.57 0.00	15.02 0.53 0.00	22.75 0.93 0.00	30.29 1.43 -3.93	18.90 0.78 -3.86	19.84 0.78 0.00	21.55 0.69 0.00	32.96 0.55 0.00	31.18 0.39 0.00	33.18 0.64 0.00	32.00 0.63 0.00	36.23 0.59 0.00	30.94 0.52 0.00	26.40 0.48 0.00
NORTHPORT___4 23650	21.86 1.17 0.00	18.55 0.90 0.00	18.47 0.86 0.00	20.02 0.86 0.00	17.66 0.79 0.00	18.35 0.88 0.00	45.09 1.99 0.00	41.08 1.39 0.00	24.82 1.15 0.00	15.98 0.74 0.00	13.18 0.57 0.00	15.02 0.53 0.00	22.75 0.93 0.00	30.29 1.43 -3.93	18.90 0.78 -3.86	19.84 0.78 0.00	21.55 0.69 0.00	32.96 0.55 0.00	31.18 0.39 0.00	33.18 0.64 0.00	32.00 0.63 0.00	36.23 0.59 0.00	30.94 0.52 0.00	26.40 0.48 0.00
NORTHPORT___IC 23718	22.26 1.57 0.00	18.89 1.24 0.00	18.81 1.19 0.00	20.38 1.23 0.00	17.98 1.12 0.00	18.71 1.24 0.00	45.93 2.83 0.00	41.91 2.21 0.00	25.26 1.58 0.00	16.26 1.02 0.00	13.41 0.79 0.00	15.29 0.79 0.00	23.15 1.34 0.00	30.75 1.89 -3.93	19.16 1.04 -3.86	20.20 1.14 0.00	21.92 1.07 0.00	33.51 1.10 0.00	31.65 0.86 0.00	33.74 1.19 0.00	32.54 1.17 0.00	36.89 1.25 0.00	31.52 1.10 0.00	26.94 1.02 0.00
NORTH___COUNTRY_ESR 323785	-22.65 -0.77 42.58	-22.75 -0.59 39.80	-22.77 -0.60 39.78	-22.89 -0.65 41.39	3.45 -0.51 12.90	17.24 -0.24 0.00	42.98 -0.12 0.00	40.07 0.37 0.00	24.00 0.32 0.00	15.42 0.18 0.00	12.71 0.09 0.00	14.49 -0.01 0.00	21.95 0.13 0.00	25.32 0.38 0.00	14.63 0.38 0.00	19.47 0.41 0.00	21.43 0.58 0.00	33.53 1.11 0.00	31.91 1.12 0.00	33.64 1.09 0.00	32.40 1.03 0.00	36.99 1.35 0.00	31.51 1.10 0.00	26.75 0.83 0.00
NPX_GEN_1385_PROXY 323591	22.23 1.54 0.00	18.86 1.21 0.00	18.79 1.18 0.00	20.35 1.20 0.00	17.96 1.10 0.00	18.55 1.21 0.13	45.88 2.78 0.00	41.87 2.18 0.00	25.17 1.50 0.00	16.18 0.94 0.00	13.32 0.71 0.00	15.18 0.68 0.00	23.15 1.34 0.00	30.75 1.89 -3.93	19.16 1.04 -3.86	20.20 1.14 0.00	21.90 1.04 0.00	33.50 1.09 0.00	31.50 0.71 0.00	33.62 1.08 0.00	32.49 1.11 0.00	36.76 1.12 0.00	31.40 0.99 0.00	26.92 1.00 0.00
NPX_GEN_CSC 323557	22.55 1.86 0.00	19.02 1.38 0.00	19.00 1.39 0.00	20.59 1.44 0.00	18.17 1.31 0.00	18.83 1.49 0.13	46.52 3.42 0.00	42.60 2.90 0.00	25.65 1.98 0.00	16.44 1.19 0.00	13.50 0.89 0.00	15.40 0.90 0.00	23.35 1.54 0.00	31.21 2.34 -3.94	19.34 1.22 -3.87	20.35 1.29 0.00	22.00 1.14 0.00	33.49 1.08 0.00	31.54 0.75 0.00	33.73 1.19 0.00	32.56 1.18 0.00	37.18 1.54 0.00	31.98 1.56 0.00	27.11 1.20 0.00
NSINS_S_GLNS_FALLS 23858	21.43 0.73 0.00	18.22 0.57 0.00	18.25 0.63 0.00	19.83 0.67 0.00	17.38 0.52 0.00	18.07 0.60 0.00	44.65 1.54 0.00	41.18 1.48 0.00	24.30 0.63 0.00	15.67 0.43 0.00	13.06 0.45 0.00	15.09 0.60 0.00	22.84 1.03 0.00	26.03 1.10 0.00	15.01 0.76 0.00	20.12 1.06 0.00	21.73 0.88 0.00	34.04 1.62 0.00	32.23 1.44 0.00	34.11 1.56 0.00	32.90 1.52 0.00	37.11 1.47 0.00	31.39 0.97 0.00	26.52 0.60 0.00
NUCOR_STEEL___DRP 24197	20.47 -0.22 0.00	17.47 -0.17 0.00	17.37 -0.25 0.00	18.91 -0.24 0.00	16.69 -0.18 0.00	17.30 -0.17 0.00	42.86 -0.24 0.00	39.51 -0.18 0.00	23.53 -0.14 0.00	15.13 -0.11 0.00	12.49 -0.11 0.00	14.35 -0.14 0.00	21.53 -0.29 0.00	24.48 -0.45 0.00	13.96 -0.29 0.00	18.92 -0.14 0.00	20.61 -0.25 0.00	31.90 -0.51 0.00	30.39 -0.40 0.00	32.37 -0.18 0.00	31.24 -0.13 0.00	35.25 -0.39 0.00	30.09 -0.33 0.00	25.78 -0.14 0.00
NUMBER_THREE_WT_PWR 323818	21.38 -0.98 -1.67	18.39 -0.81 -1.56	18.52 -0.65 -1.56	20.18 -0.60 -1.62	16.87 -0.50 -0.50	16.73 -0.74 0.00	41.25 -1.85 0.00	38.26 -1.43 0.00	23.17 -0.50 0.00	15.08 -0.16 0.00	12.26 -0.35 0.00	14.09 -0.40 0.00	21.77 -0.05 0.00	25.18 0.25 0.00	14.29 0.04 0.00	19.05 -0.01 0.00	20.97 0.11 0.00	32.72 0.30 0.00	31.07 0.28 0.00	32.92 0.38 0.00	31.78 0.41 0.00	36.09 0.45 0.00	30.48 0.06 0.00	25.97 0.05 0.00
NYISO_LBMP_REFERENCE 24008	20.69 0.00 0.00	17.65 0.00 0.00	17.61 0.00 0.00	19.15 0.00 0.00	16.86 0.00 0.00	17.47 0.00 0.00	43.10 0.00 0.00	39.69 0.00 0.00	23.67 0.00 0.00	15.24 0.00 0.00	12.61 0.00 0.00	14.49 0.00 0.00	21.82 0.00 0.00	24.93 0.00 0.00	14.25 0.00 0.00	19.06 0.00 0.00	20.86 0.00 0.00	32.41 0.00 0.00	30.79 0.00 0.00	32.55 0.00 0.00	31.38 0.00 0.00	35.64 0.00 0.00	30.42 0.00 0.00	25.92 0.00 0.00
NYPA_BRENTWD____GT 24164	22.45 1.75 0.00	19.02 1.37 0.00	18.94 1.33 0.00	20.53 1.37 0.00	18.11 1.25 0.00	18.84 1.37 0.00	46.32 3.22 0.00	42.27 2.58 0.00	25.48 1.80 0.00	16.36 1.12 0.00	13.47 0.86 0.00	15.35 0.86 0.00	23.26 1.44 0.00	31.01 2.13 -3.95	19.27 1.15 -3.87	20.29 1.23 0.00	22.04 1.19 0.00	33.80 1.39 0.00	31.99 1.20 0.00	34.16 1.61 0.00	32.96 1.59 0.00	37.36 1.73 0.00	31.90 1.49 0.00	27.18 1.27 0.00
NYPA_GOWANUS____GT5 24156	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00



NYPA_GOWANUS____GT6 24157	22.09 1.39 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.87 2.17 0.00	25.06 1.39 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.26 0.77 0.00	22.98 1.17 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.34 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.58 1.17 0.00	26.93 1.01 0.00
NYPA_HARLEM__RVR__GT1 24160	22.12 1.43 0.00	18.74 1.10 0.00	18.64 1.03 0.00	20.22 1.07 0.00	17.84 0.98 0.00	18.47 1.00 0.00	45.44 2.34 0.00	41.95 2.26 0.00	25.05 1.38 0.00	17.74 0.88 -1.62	13.69 0.75 -0.33	15.27 0.78 0.00	23.02 1.21 0.00	26.51 1.57 0.00	15.18 0.92 0.00	20.07 1.00 0.00	21.91 1.06 0.00	33.86 1.45 0.00	32.11 1.32 0.00	34.09 1.55 0.00	32.89 1.51 0.00	37.00 1.36 0.00	31.50 1.08 0.00	26.93 1.01 0.00
NYPA_HARLEM__RVR__GT2 24161	22.12 1.43 0.00	18.74 1.10 0.00	18.64 1.03 0.00	20.22 1.07 0.00	17.84 0.98 0.00	18.47 1.00 0.00	45.44 2.34 0.00	41.95 2.26 0.00	25.05 1.38 0.00	17.74 0.88 -1.62	13.69 0.75 -0.33	15.27 0.78 0.00	23.02 1.21 0.00	26.51 1.57 0.00	15.18 0.92 0.00	20.07 1.00 0.00	21.91 1.06 0.00	33.86 1.45 0.00	32.11 1.32 0.00	34.09 1.55 0.00	32.89 1.51 0.00	37.00 1.36 0.00	31.50 1.08 0.00	26.93 1.01 0.00
NYPA_KENT____GT 24152	22.08 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.02 0.00	17.81 0.94 0.00	18.43 0.96 0.00	45.36 2.26 0.00	41.86 2.17 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.51 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.92 1.06 0.00	33.82 1.41 0.00	32.13 1.34 0.00	34.11 1.57 0.00	32.91 1.54 0.00	37.03 1.39 0.00	31.56 1.14 0.00	26.90 0.99 0.00
NYPA_POUCH1____GT 24155	22.03 1.34 0.00	18.65 1.01 0.00	18.55 0.93 0.00	20.12 0.97 0.00	17.76 0.90 0.00	18.39 0.92 0.00	45.26 2.15 0.00	41.78 2.09 0.00	25.00 1.33 0.00	17.69 0.83 -1.62	13.62 0.68 -0.33	15.21 0.72 0.00	22.88 1.07 0.00	26.33 1.40 0.00	15.12 0.86 0.00	20.06 1.00 0.00	21.85 1.00 0.00	33.66 1.25 0.00	32.03 1.24 0.00	33.97 1.43 0.01	32.83 1.46 0.00	36.88 1.24 0.00	31.56 1.14 0.00	26.94 1.02 0.00
NYPA_VERNON____GT2 24162	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.25 0.00	41.86 2.17 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
NYPA_VERNON____GT3 24163	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.25 0.00	41.86 2.17 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
NYPA__ASTORIA_CC1 323568	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.42 0.95 0.00	45.32 2.21 0.00	41.82 2.13 0.00	25.02 1.35 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
NYPA__ASTORIA_CC2 323569	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.15 1.00 0.00	17.80 0.94 0.00	18.42 0.95 0.00	45.32 2.21 0.00	41.82 2.13 0.00	25.02 1.35 0.00	17.70 0.83 -1.62	13.66 0.72 -0.33	15.25 0.76 0.00	22.96 1.14 0.00	26.41 1.48 0.00	15.15 0.90 0.00	20.09 1.03 0.00	21.88 1.03 0.00	33.79 1.38 0.00	32.08 1.29 0.00	34.07 1.53 0.00	32.85 1.47 0.00	36.97 1.34 0.00	31.49 1.08 0.00	26.84 0.92 0.00
NYPA__HOLTSVILL 23794	22.43 1.74 0.00	18.98 1.33 0.00	18.92 1.30 0.00	20.49 1.34 0.00	18.08 1.22 0.00	18.83 1.36 0.00	46.26 3.16 0.00	42.28 2.59 0.00	25.47 1.80 0.00	16.34 1.10 0.00	13.45 0.84 0.00	15.33 0.84 0.00	23.24 1.42 0.00	30.99 2.13 -3.94	19.26 1.14 -3.87	20.27 1.21 0.00	21.99 1.13 0.00	33.67 1.26 0.00	31.81 1.02 0.00	33.98 1.44 0.00	32.79 1.41 0.00	37.24 1.60 0.00	31.86 1.44 0.00	27.10 1.18 0.00
NYPA____HELLGATE_GT1 24158	22.12 1.43 0.00	18.74 1.10 0.00	18.64 1.03 0.00	20.22 1.07 0.00	17.84 0.98 0.00	18.47 1.00 0.00	45.44 2.34 0.00	41.95 2.26 0.00	25.06 1.38 0.00	17.74 0.88 -1.62	13.69 0.75 -0.33	15.27 0.78 0.00	23.02 1.21 0.00	26.51 1.57 0.00	15.18 0.92 0.00	20.07 1.00 0.00	21.91 1.06 0.00	33.86 1.45 0.00	32.11 1.32 0.00	34.10 1.56 0.00	32.92 1.54 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.94 1.02 0.00
NYPA____HELLGATE_GT2 24159	22.12 1.43 0.00	18.74 1.10 0.00	18.64 1.03 0.00	20.22 1.07 0.00	17.84 0.98 0.00	18.47 1.00 0.00	45.44 2.34 0.00	41.95 2.26 0.00	25.06 1.38 0.00	17.74 0.88 -1.62	13.69 0.75 -0.33	15.27 0.78 0.00	23.02 1.21 0.00	26.51 1.57 0.00	15.18 0.92 0.00	20.07 1.00 0.00	21.91 1.06 0.00	33.86 1.45 0.00	32.11 1.32 0.00	34.10 1.56 0.00	32.92 1.54 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.94 1.02 0.00
NYS_BARGE__HYD 23848	19.37 -1.32 0.00	16.79 -0.86 0.00	16.53 -1.08 0.00	18.08 -1.07 0.00	15.88 -0.98 0.00	16.47 -1.00 0.00	40.42 -2.69 0.00	36.88 -2.81 0.00	22.19 -1.48 0.00	14.18 -1.06 0.00	11.61 -0.99 0.00	13.39 -1.10 0.00	19.98 -1.83 0.00	22.60 -2.33 0.00	12.80 -1.45 0.00	17.28 -1.77 0.00	18.81 -2.05 0.00	29.15 -3.26 0.00	27.55 -3.24 0.00	29.63 -2.92 0.00	29.02 -2.35 0.00	32.55 -3.09 0.00	28.51 -1.90 0.00	24.71 -1.21 0.00
OAK ORCHARD__HYD 24046	19.95 -0.75 0.00	17.16 -0.48 0.00	16.98 -0.64 0.00	18.52 -0.63 0.00	16.29 -0.57 0.00	16.89 -0.58 0.00	41.57 -1.53 0.00	38.10 -1.59 0.00	22.86 -0.81 0.00	14.68 -0.56 0.00	12.06 -0.55 0.00	13.87 -0.62 0.00	20.79 -1.03 0.00	23.59 -1.34 0.00	13.44 -0.81 0.00	18.15 -0.91 0.00	19.75 -1.11 0.00	30.65 -1.77 0.00	28.98 -1.82 0.00	30.99 -1.56 0.00	30.18 -1.20 0.00	33.95 -1.69 0.00	29.36 -1.06 0.00	25.23 -0.68 0.00
OAKDALE__35_KV_LOAD 356122	20.50 -0.19 0.00	17.47 -0.18 0.00	17.38 -0.23 0.00	18.97 -0.19 0.00	16.75 -0.11 0.00	17.37 -0.10 0.00	43.02 -0.08 0.00	39.51 -0.18 0.00	23.68 0.01 0.00	15.19 -0.06 0.00	12.55 -0.06 0.00	14.40 -0.10 0.00	21.54 -0.27 0.00	24.63 -0.30 0.00	14.04 -0.21 0.00	18.89 -0.17 0.00	20.55 -0.30 0.00	31.89 -0.52 0.00	30.25 -0.54 0.00	32.26 -0.29 0.00	31.23 -0.14 0.00	35.20 -0.44 0.00	30.19 -0.22 0.00	25.82 -0.10 0.00



OCC_CHEM___DRP 24175	19.09 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.86 -1.30 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.79 -3.31 0.00	36.30 -3.40 0.00	21.83 -1.84 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.97 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
OH_GEN_PROXY 24063	19.29 -1.41 0.00	16.71 -0.94 0.00	16.46 -1.15 0.00	18.01 -1.14 0.00	15.82 -1.05 0.00	16.26 -1.08 0.13	40.22 -2.88 0.00	36.75 -2.95 0.00	22.07 -1.60 0.00	14.11 -1.13 0.00	11.60 -1.01 0.00	13.38 -1.12 0.00	20.00 -1.82 0.00	22.65 -2.28 0.00	12.82 -1.44 0.00	17.31 -1.75 0.00	18.79 -2.07 0.00	29.14 -3.27 0.00	27.50 -3.29 0.00	29.51 -3.04 0.00	28.85 -2.53 0.00	32.38 -3.26 0.00	28.33 -2.09 0.00	24.55 -1.36 0.00
OLIN_CORP_DRP 24177	19.10 -1.60 0.00	16.56 -1.09 0.00	16.31 -1.30 0.00	17.84 -1.31 0.00	15.68 -1.19 0.00	16.24 -1.23 0.00	39.83 -3.27 0.00	36.34 -3.35 0.00	21.87 -1.80 0.00	13.96 -1.28 0.00	11.45 -1.16 0.00	13.20 -1.29 0.00	19.73 -2.09 0.00	22.33 -2.60 0.00	12.64 -1.61 0.00	17.04 -2.02 0.00	18.54 -2.32 0.00	28.74 -3.67 0.00	27.15 -3.64 0.00	29.15 -3.39 0.00	28.55 -2.83 0.00	32.02 -3.62 0.00	28.10 -2.32 0.00	24.36 -1.55 0.00
OLIN_CORP_DSASP 323712	19.09 -1.60 0.00	16.58 -1.07 0.00	16.32 -1.29 0.00	17.86 -1.29 0.00	15.68 -1.19 0.00	16.25 -1.22 0.00	39.80 -3.30 0.00	36.31 -3.38 0.00	21.82 -1.85 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.96 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
ONEIDA_HERK_LFGE 323681	21.31 -0.15 -0.77	18.23 -0.14 -0.72	18.26 -0.08 -0.72	19.86 -0.04 -0.75	17.08 -0.02 -0.23	17.37 -0.10 0.00	42.87 -0.23 0.00	39.57 -0.12 0.00	23.76 0.09 0.00	15.37 0.13 0.00	12.65 0.04 0.00	14.55 0.06 0.00	22.10 0.28 0.00	25.36 0.43 0.00	14.47 0.22 0.00	19.34 0.28 0.00	21.20 0.35 0.00	33.01 0.59 0.00	31.34 0.55 0.00	33.19 0.64 0.00	32.02 0.65 0.00	36.28 0.64 0.00	30.81 0.39 0.00	26.23 0.31 0.00
ONEIDA___115KV_TB4 55905	20.93 0.23 0.00	17.83 0.18 0.00	17.80 0.19 0.00	19.37 0.22 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.70 0.60 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.51 0.27 0.00	12.85 0.24 0.00	14.79 0.29 0.00	22.22 0.40 0.00	25.37 0.44 0.00	14.51 0.25 0.00	19.48 0.42 0.00	21.32 0.46 0.00	33.16 0.76 0.00	31.47 0.68 0.00	33.35 0.80 0.00	32.20 0.83 0.00	36.40 0.76 0.00	31.01 0.60 0.00	26.41 0.49 0.00
ONONDAGA_REF_OCCRA 23987	20.49 -0.20 0.00	17.48 -0.17 0.00	17.40 -0.22 0.00	18.93 -0.22 0.00	16.70 -0.17 0.00	17.30 -0.17 0.00	42.74 -0.36 0.00	39.31 -0.38 0.00	23.50 -0.17 0.00	15.13 -0.11 0.00	12.52 -0.09 0.00	14.36 -0.13 0.00	21.54 -0.28 0.00	24.61 -0.32 0.00	14.05 -0.20 0.00	18.90 -0.16 0.00	20.64 -0.22 0.00	32.07 -0.34 0.00	30.41 -0.38 0.00	32.30 -0.24 0.00	31.23 -0.14 0.00	35.26 -0.38 0.00	30.12 -0.29 0.00	25.71 -0.22 0.00
ONONDAGA___COGEN 23986	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
ONTARIO___LFGE 23819	20.33 -0.37 0.00	17.37 -0.28 0.00	17.22 -0.40 0.00	18.76 -0.39 0.00	16.57 -0.29 0.00	17.21 -0.26 0.00	42.62 -0.48 0.00	39.09 -0.61 0.00	23.46 -0.21 0.00	15.06 -0.18 0.00	12.40 -0.21 0.00	14.15 -0.34 0.00	21.18 -0.64 0.00	24.04 -0.90 0.00	13.67 -0.58 0.00	18.60 -0.46 0.00	20.24 -0.61 0.00	31.36 -1.05 0.00	29.79 -1.00 0.00	31.84 -0.71 0.00	30.96 -0.42 0.00	34.84 -0.80 0.00	29.97 -0.45 0.00	25.70 -0.22 0.00
ORANGEVILLE_WT_PWR 323706	19.50 -1.19 0.00	16.79 -0.85 0.00	16.53 -1.09 0.00	18.04 -1.11 0.00	16.05 -0.81 0.00	16.74 -0.74 0.00	41.33 -1.78 0.00	37.81 -1.88 0.00	22.73 -0.94 0.00	14.49 -0.75 0.00	11.75 -0.86 0.00	13.43 -1.07 0.00	20.06 -1.75 0.00	22.64 -2.29 0.00	12.81 -1.44 0.00	17.38 -1.68 0.00	18.86 -2.00 0.00	29.51 -2.90 0.00	28.05 -2.74 0.00	30.38 -2.16 0.00	29.87 -1.51 0.00	33.50 -2.15 0.00	29.22 -1.19 0.00	25.18 -0.73 0.00
ORANGEVILLE___ESR 323794	19.50 -1.19 0.00	16.79 -0.85 0.00	16.53 -1.09 0.00	18.04 -1.11 0.00	16.05 -0.81 0.00	16.74 -0.74 0.00	41.33 -1.78 0.00	37.81 -1.88 0.00	22.73 -0.94 0.00	14.49 -0.75 0.00	11.75 -0.86 0.00	13.43 -1.07 0.00	20.06 -1.75 0.00	22.64 -2.29 0.00	12.81 -1.44 0.00	17.38 -1.68 0.00	18.86 -2.00 0.00	29.51 -2.90 0.00	28.05 -2.74 0.00	30.38 -2.16 0.00	29.87 -1.51 0.00	33.50 -2.15 0.00	29.22 -1.19 0.00	25.18 -0.73 0.00
OSWEGATCHIE___HYD 24044	23.73 -0.77 -3.81	20.60 -0.61 -3.56	20.63 -0.54 -3.56	22.32 -0.53 -3.70	17.55 -0.47 -1.15	16.84 -0.63 0.00	41.48 -1.62 0.00	38.26 -1.43 0.00	23.03 -0.64 0.00	14.93 -0.31 0.00	12.24 -0.36 0.00	14.07 -0.42 0.00	21.64 -0.17 0.00	24.95 0.02 0.00	14.17 -0.08 0.00	18.79 -0.27 0.00	20.66 -0.19 0.00	32.17 -0.24 0.00	30.69 -0.10 0.00	32.35 -0.19 0.00	31.17 -0.21 0.00	35.73 0.09 0.00	30.34 -0.07 0.00	25.78 -0.14 0.00
OSWEGO___5 23606	20.11 -0.58 0.00	17.17 -0.48 0.00	17.10 -0.52 0.00	18.61 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.94 -1.16 0.00	38.58 -1.11 0.00	23.04 -0.63 0.00	14.83 -0.41 0.00	12.26 -0.35 0.00	14.08 -0.41 0.00	21.15 -0.66 0.00	24.16 -0.78 0.00	13.80 -0.46 0.00	18.52 -0.54 0.00	20.23 -0.63 0.00	31.41 -1.00 0.00	29.80 -0.99 0.00	31.63 -0.92 0.00	30.57 -0.80 0.00	34.57 -1.07 0.00	29.56 -0.85 0.00	25.23 -0.68 0.00
OSWEGO___6 23613	20.11 -0.58 0.00	17.17 -0.48 0.00	17.10 -0.52 0.00	18.61 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.94 -1.16 0.00	38.58 -1.11 0.00	23.04 -0.63 0.00	14.83 -0.41 0.00	12.26 -0.35 0.00	14.08 -0.41 0.00	21.15 -0.66 0.00	24.16 -0.78 0.00	13.80 -0.46 0.00	18.52 -0.54 0.00	20.23 -0.63 0.00	31.41 -1.00 0.00	29.80 -0.99 0.00	31.63 -0.92 0.00	30.57 -0.80 0.00	34.57 -1.07 0.00	29.56 -0.85 0.00	25.23 -0.68 0.00
OUTOKUMPU-AB___DRP 24206	19.53 -1.16 0.00	16.91 -0.73 0.00	16.65 -0.96 0.00	18.22 -0.94 0.00	16.02 -0.84 0.00	16.61 -0.86 0.00	40.76 -2.34 0.00	37.19 -2.50 0.00	22.40 -1.27 0.00	14.30 -0.94 0.00	11.72 -0.89 0.00	13.51 -0.98 0.00	20.14 -1.68 0.00	22.78 -2.15 0.00	12.89 -1.37 0.00	17.40 -1.65 0.00	18.93 -1.93 0.00	29.38 -3.04 0.00	27.77 -3.02 0.00	29.84 -2.70 0.00	29.23 -2.15 0.00	32.78 -2.86 0.00	28.71 -1.71 0.00	24.91 -1.01 0.00



OXBOW___BTM 323836	19.32 -1.37 0.00	16.75 -0.89 0.00	16.49 -1.12 0.00	18.04 -1.11 0.00	15.85 -1.01 0.00	16.43 -1.04 0.00	40.30 -2.81 0.00	36.76 -2.93 0.00	22.11 -1.56 0.00	14.13 -1.11 0.00	11.59 -1.02 0.00	13.37 -1.13 0.00	19.90 -1.91 0.00	22.52 -2.41 0.00	12.73 -1.52 0.00	17.19 -1.87 0.00	18.70 -2.16 0.00	28.99 -3.42 0.00	27.39 -3.40 0.00	29.40 -3.14 0.00	28.80 -2.58 0.00	32.31 -3.33 0.00	28.32 -2.10 0.00	24.63 -1.29 0.00
OXBOW____ 24026	19.32 -1.37 0.00	16.74 -0.90 0.00	16.49 -1.13 0.00	18.04 -1.11 0.00	15.85 -1.01 0.00	16.43 -1.04 0.00	40.28 -2.82 0.00	36.76 -2.93 0.00	22.13 -1.55 0.00	14.13 -1.11 0.00	11.59 -1.02 0.00	13.37 -1.13 0.00	19.90 -1.91 0.00	22.51 -2.42 0.00	12.73 -1.52 0.00	17.19 -1.87 0.00	18.69 -2.16 0.00	28.99 -3.42 0.00	27.40 -3.39 0.00	29.40 -3.14 0.00	28.80 -2.58 0.00	32.31 -3.34 0.00	28.32 -2.10 0.00	24.63 -1.30 0.00
OXY_CHEM_DSASP 323612	19.09 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.86 -1.30 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.79 -3.31 0.00	36.30 -3.40 0.00	21.83 -1.84 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.97 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
OZONE_PARK_ESR 323760	22.25 1.56 0.00	18.85 1.21 0.00	18.74 1.12 0.00	20.34 1.18 0.00	17.93 1.07 0.00	18.57 1.10 0.00	45.75 2.65 0.00	42.20 2.51 0.00	25.26 1.58 0.00	17.84 0.99 -1.61	13.77 0.84 -0.32	15.39 0.90 0.00	23.17 1.35 0.00	26.66 1.73 0.00	15.28 1.02 0.00	20.29 1.23 0.00	22.08 1.22 0.00	34.11 1.70 0.00	32.38 1.59 0.00	34.45 1.91 0.00	33.19 1.81 0.00	37.33 1.70 0.00	31.79 1.37 0.00	27.08 1.16 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	19.09 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.86 -1.30 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.79 -3.31 0.00	36.30 -3.40 0.00	21.83 -1.84 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.97 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
PACKARD__115KV_DUPONT_184 80571	19.09 -1.60 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.86 -1.30 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.79 -3.31 0.00	36.30 -3.40 0.00	21.83 -1.84 0.00	13.94 -1.30 0.00	11.46 -1.16 0.00	13.22 -1.28 0.00	19.66 -2.16 0.00	22.24 -2.70 0.00	12.57 -1.69 0.00	16.97 -2.10 0.00	18.45 -2.41 0.00	28.59 -3.82 0.00	27.00 -3.80 0.00	28.96 -3.59 0.00	28.35 -3.03 0.00	31.81 -3.83 0.00	27.91 -2.51 0.00	24.33 -1.59 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.06 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.17 1.01 0.00	17.79 0.94 0.00	18.42 0.95 0.00	45.32 2.21 0.00	41.86 2.17 0.00	24.99 1.32 0.00	17.70 0.84 -1.62	13.65 0.71 -0.33	15.24 0.74 0.00	22.97 1.15 0.00	26.44 1.50 0.00	15.16 0.90 0.00	20.06 1.00 0.00	21.89 1.04 0.00	33.82 1.41 0.00	32.09 1.30 0.00	34.10 1.55 0.00	32.90 1.53 0.00	37.01 1.37 0.00	31.51 1.09 0.00	26.88 0.96 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.09 1.40 0.00	18.72 1.08 0.00	18.63 1.02 0.00	20.21 1.06 0.00	17.84 0.99 0.00	18.47 1.00 0.00	45.47 2.37 0.00	41.98 2.29 0.00	25.06 1.39 0.00	17.74 0.87 -1.62	13.67 0.74 -0.33	15.26 0.76 0.00	22.99 1.17 0.00	26.48 1.55 0.00	15.19 0.93 0.00	20.07 1.00 0.00	21.91 1.05 0.00	33.82 1.42 0.00	32.12 1.34 0.00	34.16 1.61 0.00	32.97 1.60 0.00	37.08 1.44 0.00	31.52 1.10 0.00	26.88 0.96 0.00
PATROON__115KV_TB1 80586	21.10 0.41 0.00	17.93 0.28 0.00	17.95 0.33 0.00	19.49 0.34 0.00	17.14 0.28 0.00	17.75 0.27 0.00	43.79 0.69 0.00	40.32 0.63 0.00	23.92 0.25 0.00	15.43 0.19 0.00	12.85 0.24 0.00	14.81 0.31 0.00	22.24 0.42 0.00	25.41 0.47 0.00	14.65 0.39 0.00	19.54 0.48 0.00	21.27 0.41 0.00	33.04 0.63 0.00	31.35 0.56 0.00	33.19 0.65 0.00	31.95 0.58 0.00	36.11 0.48 0.00	30.69 0.27 0.00	26.04 0.13 0.00
PATTRSNVILLE__SOLAR 323815	21.35 0.66 0.00	18.18 0.54 0.00	18.18 0.57 0.00	19.77 0.61 0.00	17.40 0.54 0.00	18.01 0.54 0.00	44.43 1.33 0.00	40.89 1.20 0.00	24.27 0.60 0.00	15.66 0.41 0.00	12.99 0.38 0.00	14.97 0.48 0.00	22.56 0.74 0.00	25.77 0.84 0.00	14.80 0.54 0.00	19.82 0.76 0.00	21.58 0.73 0.00	33.56 1.15 0.00	31.85 1.06 0.00	33.73 1.18 0.00	32.50 1.12 0.00	36.76 1.13 0.00	31.28 0.86 0.00	26.59 0.67 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	19.96 -0.74 0.00	17.21 -0.44 0.00	16.96 -0.66 0.00	18.54 -0.61 0.00	16.35 -0.52 0.00	16.94 -0.53 0.00	41.72 -1.39 0.00	38.13 -1.57 0.00	22.93 -0.74 0.00	14.64 -0.60 0.00	11.99 -0.61 0.00	13.81 -0.68 0.00	20.64 -1.17 0.00	23.38 -1.56 0.00	13.26 -1.00 0.00	17.90 -1.16 0.00	19.43 -1.43 0.00	30.23 -2.18 0.00	28.53 -2.26 0.00	30.72 -1.82 0.00	30.03 -1.34 0.00	33.69 -1.95 0.00	29.42 -1.00 0.00	25.42 -0.50 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.07 1.38 0.00	18.71 1.06 0.00	18.64 1.03 0.00	20.23 1.08 0.00	17.83 0.97 0.00	18.48 1.01 0.00	45.58 2.48 0.00	42.03 2.34 0.00	25.06 1.39 0.00	16.09 0.85 0.00	13.34 0.73 0.00	15.33 0.84 0.00	23.07 1.25 0.00	26.44 1.50 0.00	15.19 0.94 0.00	20.23 1.17 0.00	22.01 1.15 0.00	34.12 1.71 0.00	32.40 1.61 0.00	34.44 1.90 0.00	33.17 1.79 0.00	37.35 1.71 0.00	31.74 1.32 0.00	26.98 1.06 0.00
PEEKSKILL____ 23653	21.89 1.20 0.00	18.55 0.91 0.00	18.48 0.86 0.00	20.05 0.90 0.00	17.68 0.82 0.00	18.32 0.85 0.00	45.14 2.03 0.00	41.62 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.66 0.00	22.82 1.01 0.00	26.24 1.31 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.77 0.91 0.00	33.69 1.28 0.00	31.99 1.20 0.00	34.00 1.45 0.00	32.74 1.36 0.00	36.88 1.24 0.00	31.37 0.96 0.00	26.71 0.79 0.00
PGE MADISON__WINDPWR 24146	21.21 0.52 0.00	18.05 0.40 0.00	18.06 0.45 0.00	19.90 0.75 0.00	17.68 0.82 0.00	18.49 1.02 0.00	45.89 2.79 0.00	42.07 2.38 0.00	25.34 1.67 0.00	16.32 1.08 0.00	13.51 0.90 0.00	15.42 0.93 0.00	22.73 0.91 0.00	25.79 0.86 0.00	14.54 0.29 0.00	19.89 0.83 0.00	21.81 0.95 0.00	33.74 1.33 0.00	32.61 1.82 0.00	34.62 2.08 0.00	33.59 2.21 0.00	37.55 1.91 0.00	32.38 1.96 0.00	27.56 1.64 0.00
PIERCEFIELD__HYD 23852	25.84 -0.45 -5.60	22.59 -0.30 -5.24	22.56 -0.29 -5.24	24.29 -0.31 -5.44	18.26 -0.30 -1.70	17.08 -0.39 0.00	42.04 -1.06 0.00	38.63 -1.06 0.00	23.09 -0.58 0.00	14.93 -0.31 0.00	12.34 -0.27 0.00	14.22 -0.27 0.00	21.73 -0.09 0.00	24.96 0.03 0.00	14.20 -0.05 0.00	18.71 -0.35 0.00	20.59 -0.27 0.00	32.13 -0.28 0.00	30.64 -0.15 0.00	32.18 -0.36 0.00	31.03 -0.34 0.00	35.76 0.12 0.00	30.58 0.16 0.00	26.03 0.11 0.00



PINELAWN_CC_1 323563	22.26 1.57 0.00	18.85 1.20 0.00	18.77 1.16 0.00	20.33 1.18 0.00	17.94 1.08 0.00	18.65 1.19 0.00	45.91 2.80 0.00	41.91 2.22 0.00	25.26 1.59 0.00	16.21 0.96 0.00	13.36 0.75 0.00	15.22 0.73 0.00	23.05 1.23 0.00	30.79 1.86 -4.00	19.15 1.02 -3.88	20.12 1.05 0.00	21.86 1.00 0.00	33.59 1.18 0.00	31.84 1.05 0.00	33.99 1.45 0.00	32.78 1.41 0.00	37.12 1.48 0.00	31.68 1.26 0.00	26.97 1.05 0.00
PJM_GEN_HTP_PROXY 323702	22.06 1.37 0.00	18.71 1.06 0.00	18.60 0.98 0.00	20.19 1.04 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.39 2.29 0.00	41.86 2.17 0.00	24.95 1.38 0.10	17.69 0.86 -1.59	13.66 0.73 -0.32	15.26 0.77 0.00	22.97 1.15 0.00	26.41 1.47 0.00	15.14 0.89 0.00	20.12 1.06 0.00	20.10 1.03 1.79	33.81 1.40 0.00	32.10 1.31 0.00	34.14 1.59 0.00	32.88 1.50 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.79 0.91 0.05
PJM_GEN_KEystone 24065	20.84 0.15 0.00	17.73 0.09 0.00	17.59 -0.03 0.00	19.15 -0.01 0.00	16.90 0.04 0.00	9.67 0.04 7.84	43.86 0.17 -0.58	39.79 0.10 0.00	23.71 0.14 0.10	15.36 0.01 -0.11	12.60 -0.03 -0.02	14.45 -0.04 0.00	21.68 -0.13 0.00	24.82 -0.12 0.00	14.18 -0.07 0.00	18.98 -0.07 0.00	18.82 -0.24 1.79	31.91 -0.50 0.00	30.21 -0.58 0.00	32.29 -0.25 0.00	31.26 -0.12 0.00	35.15 -0.49 0.00	30.17 -0.24 0.00	24.82 -0.07 1.03
PJM_GEN_NEPTUNE_PROXY 323594	22.00 1.30 0.00	18.64 0.99 0.00	18.56 0.95 0.00	20.11 0.95 0.00	17.74 0.88 0.00	18.44 0.97 0.00	45.42 2.32 0.00	41.49 1.80 0.00	24.92 1.35 0.10	16.08 0.84 0.00	13.26 0.65 0.00	15.12 0.63 0.00	22.87 1.06 0.00	29.34 1.55 -2.86	17.99 0.86 -2.88	19.97 0.92 0.00	19.93 0.86 1.79	33.37 0.96 0.00	31.61 0.82 0.00	33.70 1.16 0.00	32.47 1.10 0.00	36.74 1.11 0.00	31.32 0.90 0.00	26.64 0.77 0.05
PJM_GEN_VFT_PROXY 323633	22.01 1.32 0.00	18.64 0.99 0.00	18.54 0.92 0.00	20.11 0.96 0.00	17.75 0.89 0.00	18.38 0.91 0.00	45.27 2.17 0.00	41.76 2.07 0.00	24.90 1.32 0.10	17.67 0.82 -1.61	13.62 0.69 -0.33	15.22 0.72 0.00	22.90 1.08 0.00	26.33 1.40 0.00	15.11 0.86 0.00	20.05 0.99 0.00	20.04 0.98 1.79	33.72 1.31 0.00	32.01 1.22 0.00	34.05 1.50 0.00	32.76 1.39 0.00	36.86 1.22 0.00	31.38 0.96 0.00	26.70 0.82 0.05
PLATSBURG_115KV_PMLD1 355749	-20.61 -0.91 40.39	-20.76 -0.64 37.76	-20.74 -0.61 37.74	-20.76 -0.64 39.27	4.00 -0.63 12.24	17.29 -0.18 0.00	43.43 0.32 0.00	40.92 1.22 0.00	24.47 0.80 0.00	15.71 0.46 0.00	12.98 0.36 0.00	14.73 0.24 0.00	22.34 0.52 0.00	25.89 0.96 0.00	15.07 0.82 0.00	20.04 0.98 0.00	21.99 1.13 0.00	34.53 2.12 0.00	32.82 2.03 0.00	34.75 2.20 0.00	33.42 2.04 0.00	37.96 2.33 0.00	32.30 1.88 0.00	27.28 1.36 0.00
PLEASANTVLY___LBMP 24000	21.69 1.00 0.00	18.39 0.74 0.00	18.34 0.73 0.00	19.91 0.75 0.00	17.54 0.68 0.00	18.17 0.70 0.00	44.77 1.67 0.00	41.28 1.59 0.00	24.58 0.91 0.00	15.80 0.56 0.00	13.10 0.49 0.00	15.04 0.54 0.00	22.64 0.83 0.00	26.00 1.07 0.00	14.94 0.69 0.00	19.90 0.84 0.00	21.63 0.77 0.00	33.51 1.10 0.00	31.82 1.03 0.00	33.80 1.25 0.00	32.54 1.17 0.00	36.69 1.05 0.00	31.20 0.78 0.00	26.52 0.60 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	21.89 1.20 0.00	18.56 0.91 0.00	18.48 0.87 0.00	20.05 0.90 0.00	17.67 0.81 0.00	18.32 0.85 0.00	45.14 2.04 0.00	41.61 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.65 0.00	22.82 1.00 0.00	26.23 1.30 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.76 0.91 0.00	33.69 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.99 0.00	26.72 0.80 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	21.89 1.20 0.00	18.56 0.91 0.00	18.48 0.87 0.00	20.05 0.90 0.00	17.67 0.81 0.00	18.32 0.85 0.00	45.14 2.04 0.00	41.61 1.92 0.00	24.84 1.17 0.00	15.96 0.72 0.00	13.23 0.61 0.00	15.15 0.65 0.00	22.82 1.00 0.00	26.23 1.30 0.00	15.05 0.80 0.00	20.01 0.95 0.00	21.76 0.91 0.00	33.69 1.29 0.00	32.00 1.21 0.00	34.01 1.46 0.00	32.76 1.38 0.00	36.90 1.26 0.00	31.40 0.99 0.00	26.72 0.80 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.07 1.38 0.00	18.70 1.06 0.00	18.64 1.03 0.00	20.24 1.08 0.00	17.83 0.97 0.00	18.49 1.02 0.00	45.59 2.49 0.00	42.04 2.35 0.00	25.04 1.37 0.00	16.06 0.82 0.00	13.34 0.73 0.00	15.35 0.86 0.00	23.07 1.25 0.00	26.36 1.43 0.00	15.20 0.94 0.00	20.28 1.22 0.00	22.03 1.17 0.00	34.25 1.84 0.00	32.52 1.73 0.00	34.56 2.01 0.00	33.29 1.92 0.00	37.48 1.84 0.00	31.83 1.41 0.00	27.04 1.12 0.00
POLETTI____ 23519	22.04 1.35 0.00	18.69 1.04 0.00	18.58 0.96 0.00	20.15 1.00 0.00	17.78 0.92 0.00	18.41 0.94 0.00	45.34 2.24 0.00	41.81 2.12 0.00	25.02 1.35 0.00	17.70 0.85 -1.61	13.66 0.73 -0.32	15.27 0.77 0.00	22.96 1.15 0.00	26.40 1.47 0.00	15.15 0.90 0.00	20.11 1.05 0.00	21.88 1.03 0.00	33.78 1.37 0.00	32.07 1.28 0.00	34.09 1.55 0.00	32.82 1.45 0.00	36.94 1.30 0.00	31.45 1.03 0.00	26.80 0.88 0.00
POMONA___ESR 323819	21.79 1.09 0.00	18.44 0.79 0.00	18.36 0.75 0.00	19.93 0.78 0.00	17.58 0.72 0.00	18.22 0.75 0.00	44.96 1.86 0.00	41.49 1.80 0.00	24.76 1.09 0.00	15.90 0.65 0.00	13.15 0.54 0.00	15.08 0.58 0.00	22.69 0.88 0.00	26.08 1.15 0.00	14.97 0.71 0.00	19.90 0.84 0.00	21.68 0.83 0.00	33.57 1.16 0.00	31.86 1.07 0.00	33.87 1.33 0.00	32.63 1.26 0.00	36.77 1.13 0.00	31.25 0.83 0.00	26.60 0.68 0.00
PORT_JEFF_3 23555	22.46 1.77 0.00	19.01 1.36 0.00	18.94 1.33 0.00	20.53 1.37 0.00	18.11 1.25 0.00	18.86 1.39 0.00	46.33 3.23 0.00	42.33 2.64 0.00	25.50 1.83 0.00	16.36 1.12 0.00	13.46 0.85 0.00	15.35 0.86 0.00	23.27 1.45 0.00	31.04 2.17 -3.94	19.28 1.16 -3.87	20.28 1.22 0.00	22.01 1.16 0.00	33.71 1.30 0.00	31.83 1.04 0.00	34.01 1.47 0.00	32.82 1.44 0.00	37.30 1.66 0.00	31.92 1.50 0.00	27.16 1.24 0.00
PORT_JEFF_4 23616	22.46 1.77 0.00	19.01 1.36 0.00	18.94 1.33 0.00	20.53 1.37 0.00	18.11 1.25 0.00	18.86 1.39 0.00	46.33 3.23 0.00	42.33 2.64 0.00	25.50 1.83 0.00	16.36 1.12 0.00	13.46 0.85 0.00	15.35 0.86 0.00	23.27 1.45 0.00	31.04 2.17 -3.94	19.28 1.16 -3.87	20.28 1.22 0.00	22.01 1.16 0.00	33.71 1.30 0.00	31.83 1.04 0.00	34.01 1.47 0.00	32.82 1.44 0.00	37.30 1.66 0.00	31.92 1.50 0.00	27.16 1.24 0.00
PORT_JEFF_IC 23713	22.47 1.78 0.00	19.01 1.36 0.00	18.95 1.34 0.00	20.53 1.38 0.00	18.11 1.25 0.00	18.87 1.40 0.00	46.36 3.25 0.00	42.36 2.67 0.00	25.51 1.83 0.00	16.37 1.13 0.00	13.46 0.85 0.00	15.35 0.86 0.00	23.27 1.45 0.00	31.06 2.19 -3.94	19.28 1.16 -3.87	20.29 1.23 0.00	22.02 1.16 0.00	33.70 1.29 0.00	31.77 0.98 0.00	33.95 1.41 0.00	32.77 1.39 0.00	37.31 1.67 0.00	31.93 1.51 0.00	27.16 1.24 0.00



PPL PILGRIM_ST_GT1 24216	22.45 1.75 0.00	19.02 1.37 0.00	18.94 1.33 0.00	20.53 1.37 0.00	18.11 1.25 0.00	18.84 1.37 0.00	46.32 3.22 0.00	42.27 2.58 0.00	25.48 1.80 0.00	16.36 1.12 0.00	13.47 0.86 0.00	15.35 0.86 0.00	23.26 1.44 0.00	31.01 2.13 -3.95	19.27 1.15 -3.87	20.29 1.23 0.00	22.04 1.19 0.00	33.80 1.39 0.00	31.99 1.20 0.00	34.16 1.61 0.00	32.96 1.59 0.00	37.36 1.73 0.00	31.90 1.49 0.00	27.18 1.27 0.00
PPL PILGRIM_ST_GT2 24217	22.45 1.75 0.00	19.02 1.37 0.00	18.94 1.33 0.00	20.53 1.37 0.00	18.11 1.25 0.00	18.84 1.37 0.00	46.32 3.22 0.00	42.27 2.58 0.00	25.48 1.80 0.00	16.36 1.12 0.00	13.47 0.86 0.00	15.35 0.86 0.00	23.26 1.44 0.00	31.01 2.13 -3.95	19.27 1.15 -3.87	20.29 1.23 0.00	22.04 1.19 0.00	33.80 1.39 0.00	31.99 1.20 0.00	34.16 1.61 0.00	32.96 1.59 0.00	37.36 1.73 0.00	31.90 1.49 0.00	27.18 1.27 0.00
PPL_SHRM_GT3 24213	22.57 1.88 0.00	19.04 1.40 0.00	19.02 1.41 0.00	20.61 1.46 0.00	18.19 1.33 0.00	18.98 1.52 0.00	46.57 3.46 0.00	42.64 2.95 0.00	25.68 2.00 0.00	16.45 1.21 0.00	13.51 0.90 0.00	15.41 0.91 0.00	23.37 1.55 0.00	31.23 2.36 -3.94	19.36 1.24 -3.87	20.36 1.30 0.00	22.02 1.16 0.00	33.54 1.13 0.00	31.59 0.80 0.00	33.79 1.24 0.00	32.62 1.25 0.00	37.23 1.60 0.00	32.01 1.59 0.00	27.15 1.23 0.00
PPL_SHRM_GT4 24214	22.57 1.88 0.00	19.04 1.40 0.00	19.02 1.41 0.00	20.61 1.46 0.00	18.19 1.33 0.00	18.98 1.52 0.00	46.57 3.46 0.00	42.64 2.95 0.00	25.68 2.00 0.00	16.45 1.21 0.00	13.51 0.90 0.00	15.41 0.91 0.00	23.37 1.55 0.00	31.23 2.36 -3.94	19.36 1.24 -3.87	20.36 1.30 0.00	22.02 1.16 0.00	33.54 1.13 0.00	31.59 0.80 0.00	33.79 1.24 0.00	32.62 1.25 0.00	37.23 1.60 0.00	32.01 1.59 0.00	27.15 1.23 0.00
PROJECT___ORANGE 1 24174	20.33 -0.37 0.00	17.35 -0.30 0.00	17.26 -0.36 0.00	18.78 -0.37 0.00	16.56 -0.30 0.00	17.16 -0.31 0.00	42.38 -0.72 0.00	38.97 -0.73 0.00	23.30 -0.37 0.00	14.99 -0.25 0.00	12.40 -0.21 0.00	14.23 -0.26 0.00	21.36 -0.46 0.00	24.39 -0.54 0.00	13.92 -0.33 0.00	18.73 -0.33 0.00	20.45 -0.41 0.00	31.74 -0.67 0.00	30.09 -0.70 0.00	31.98 -0.57 0.00	30.92 -0.45 0.00	34.91 -0.73 0.00	29.86 -0.56 0.00	25.49 -0.43 0.00
PROJECT___ORANGE 2 24166	20.33 -0.37 0.00	17.35 -0.30 0.00	17.26 -0.36 0.00	18.78 -0.37 0.00	16.56 -0.30 0.00	17.16 -0.31 0.00	42.38 -0.72 0.00	38.97 -0.73 0.00	23.30 -0.37 0.00	14.99 -0.25 0.00	12.40 -0.21 0.00	14.23 -0.26 0.00	21.36 -0.46 0.00	24.39 -0.54 0.00	13.92 -0.33 0.00	18.73 -0.33 0.00	20.45 -0.41 0.00	31.74 -0.67 0.00	30.09 -0.70 0.00	31.98 -0.57 0.00	30.92 -0.45 0.00	34.91 -0.73 0.00	29.86 -0.56 0.00	25.49 -0.43 0.00
PUCKETT___SOLAR 323809	20.62 -0.08 0.00	17.56 -0.09 0.00	17.48 -0.13 0.00	19.12 -0.03 0.00	16.94 0.07 0.00	17.61 0.14 0.00	43.62 0.51 0.00	40.02 0.33 0.00	24.03 0.36 0.00	15.44 0.20 0.00	12.77 0.16 0.00	14.59 0.10 0.00	21.69 -0.13 0.00	24.87 -0.06 0.00	14.10 -0.16 0.00	19.06 0.00 0.00	20.85 0.00 0.00	32.30 -0.11 0.00	30.82 0.03 0.00	32.75 0.21 0.00	31.75 0.37 0.00	35.66 0.02 0.00	30.69 0.28 0.00	26.21 0.29 0.00
PYRITES___HYD 24023	25.68 -0.01 -5.00	22.40 0.09 -4.67	22.36 0.08 -4.67	24.11 0.10 -4.86	18.42 0.04 -1.51	17.47 0.00 0.00	43.05 -0.05 0.00	39.54 -0.15 0.00	23.53 -0.14 0.00	15.22 -0.02 0.00	12.55 -0.06 0.00	14.47 -0.02 0.00	22.07 0.25 0.00	25.40 0.47 0.00	14.43 0.18 0.00	19.07 0.01 0.00	21.04 0.18 0.00	32.85 0.44 0.00	31.33 0.54 0.00	32.90 0.36 0.00	31.76 0.38 0.00	36.53 0.89 0.00	31.22 0.80 0.00	26.58 0.66 0.00
QUAKERRD_115KV_BK1 80622	19.60 -1.09 0.00	16.83 -0.82 0.00	16.67 -0.94 0.00	18.18 -0.97 0.00	16.00 -0.86 0.00	16.58 -0.89 0.00	40.85 -2.25 0.00	37.49 -2.20 0.00	22.48 -1.20 0.00	14.44 -0.80 0.00	11.89 -0.72 0.00	13.65 -0.84 0.00	20.47 -1.34 0.00	23.26 -1.68 0.00	13.26 -0.99 0.00	17.90 -1.16 0.00	19.50 -1.36 0.00	30.27 -2.14 0.00	28.63 -2.16 0.00	30.57 -1.98 0.00	29.70 -1.68 0.00	33.44 -2.20 0.00	28.83 -1.59 0.00	24.74 -1.18 0.00
QUENSRY_115KV_TB8 356137	21.42 0.73 0.00	18.21 0.57 0.00	18.24 0.63 0.00	19.83 0.67 0.00	17.37 0.51 0.00	18.07 0.60 0.00	44.66 1.56 0.00	41.21 1.52 0.00	24.30 0.63 0.00	15.67 0.43 0.00	13.07 0.46 0.00	15.10 0.61 0.00	22.88 1.06 0.00	26.08 1.14 0.00	15.04 0.78 0.00	20.15 1.09 0.00	21.74 0.88 0.00	34.08 1.67 0.00	32.27 1.48 0.00	34.15 1.60 0.00	32.95 1.58 0.00	37.16 1.52 0.00	31.43 1.01 0.00	26.51 0.59 0.00
RAMAPO___LBMP 323565	21.70 1.01 0.00	18.37 0.72 0.00	18.29 0.68 0.00	19.86 0.70 0.00	17.52 0.66 0.00	18.16 0.69 0.00	44.79 1.69 0.00	41.35 1.65 0.00	24.66 0.99 0.00	15.84 0.60 0.00	13.10 0.49 0.00	15.02 0.52 0.00	22.59 0.78 0.00	25.96 1.03 0.00	14.91 0.65 0.00	19.81 0.75 0.00	21.59 0.73 0.00	33.43 1.02 0.00	31.74 0.95 0.00	33.74 1.20 0.00	32.50 1.13 0.00	36.63 0.99 0.00	31.13 0.71 0.00	26.50 0.58 0.00
RANKINE____ 23646	19.72 -0.98 0.00	17.02 -0.63 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.77 -0.71 0.00	41.25 -1.85 0.00	37.66 -2.04 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.62 -0.88 0.00	20.35 -1.47 0.00	23.01 -1.92 0.00	13.03 -1.23 0.00	17.60 -1.45 0.00	19.12 -1.74 0.00	29.78 -2.63 0.00	28.16 -2.63 0.00	30.33 -2.21 0.00	29.69 -1.69 0.00	33.30 -2.34 0.00	29.11 -1.31 0.00	25.17 -0.75 0.00
RAVENSWOOD_GT2_1 24244	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.01 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.36 2.26 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.41 1.48 0.00	15.14 0.89 0.00	20.11 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.48 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT2_2 24245	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.01 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.36 2.26 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.41 1.48 0.00	15.14 0.89 0.00	20.11 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.48 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT2_3 24246	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.43 0.95 0.00	45.36 2.26 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.49 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.87 1.49 0.00	36.98 1.35 0.00	31.49 1.08 0.00	26.84 0.92 0.00



RAVENSWOOD_GT2_4 24247	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.43 0.95 0.00	45.36 2.26 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.49 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.87 1.49 0.00	36.98 1.35 0.00	31.49 1.08 0.00	26.84 0.92 0.00
RAVENSWOOD_GT3_1 24248	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.36 2.26 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.11 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.87 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT3_2 24249	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.36 2.26 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.11 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.87 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT3_3 24250	22.08 1.39 0.00	18.71 1.06 0.00	18.61 0.99 0.00	20.19 1.04 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.43 2.33 0.00	41.90 2.21 0.00	25.07 1.40 0.00	17.73 0.87 -1.62	13.67 0.74 -0.33	15.28 0.79 0.00	23.00 1.19 0.00	26.45 1.52 0.00	15.17 0.92 0.00	20.14 1.08 0.00	21.92 1.06 0.00	33.85 1.44 0.00	32.15 1.36 0.00	34.17 1.63 0.00	32.91 1.54 0.00	37.04 1.41 0.00	31.53 1.12 0.00	26.87 0.95 0.00
RAVENSWOOD_GT3_4 24251	22.08 1.39 0.00	18.71 1.06 0.00	18.61 0.99 0.00	20.19 1.04 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.43 2.33 0.00	41.90 2.21 0.00	25.07 1.40 0.00	17.73 0.87 -1.62	13.67 0.74 -0.33	15.28 0.79 0.00	23.00 1.19 0.00	26.45 1.52 0.00	15.17 0.92 0.00	20.14 1.08 0.00	21.92 1.06 0.00	33.85 1.44 0.00	32.15 1.36 0.00	34.17 1.63 0.00	32.91 1.54 0.00	37.04 1.41 0.00	31.53 1.12 0.00	26.87 0.95 0.00
RAVENSWOOD_GT_1 23729	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.26 0.00	41.87 2.18 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.78 0.00	22.98 1.16 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
RAVENSWOOD_GT_10 24258	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.38 2.27 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT_11 24259	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.38 2.27 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT_4 24252	22.04 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.37 2.27 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.96 1.15 0.00	26.41 1.47 0.00	15.14 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.13 1.58 0.00	32.86 1.48 0.00	36.98 1.34 0.00	31.48 1.07 0.00	26.83 0.91 0.00
RAVENSWOOD_GT_5 24254	22.04 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.37 2.27 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.96 1.15 0.00	26.41 1.47 0.00	15.14 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.13 1.58 0.00	32.86 1.48 0.00	36.98 1.34 0.00	31.48 1.07 0.00	26.83 0.91 0.00
RAVENSWOOD_GT_6 24253	22.04 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.37 2.27 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.96 1.15 0.00	26.41 1.47 0.00	15.14 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.13 1.58 0.00	32.86 1.48 0.00	36.98 1.34 0.00	31.48 1.07 0.00	26.83 0.91 0.00
RAVENSWOOD_GT_7 24255	22.04 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.37 2.27 0.00	41.85 2.15 0.00	25.03 1.36 0.00	17.71 0.84 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.96 1.15 0.00	26.41 1.47 0.00	15.14 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.40 0.00	32.10 1.31 0.00	34.13 1.58 0.00	32.86 1.48 0.00	36.98 1.34 0.00	31.48 1.07 0.00	26.83 0.91 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.38 2.27 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD_GT_9 24257	22.05 1.35 0.00	18.69 1.04 0.00	18.58 0.97 0.00	20.17 1.02 0.00	17.78 0.92 0.00	18.42 0.95 0.00	45.38 2.27 0.00	41.85 2.16 0.00	25.03 1.36 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.48 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.12 1.58 0.00	32.86 1.49 0.00	36.98 1.35 0.00	31.49 1.07 0.00	26.84 0.92 0.00
RAVENSWOOD___1 23533	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.25 0.00	41.86 2.17 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00



RAVENSWOOD___2 23534	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.25 0.00	41.86 2.17 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
RAVENSWOOD___3 23535	22.05 1.36 0.00	18.69 1.04 0.00	18.59 0.97 0.00	20.17 1.02 0.00	17.79 0.93 0.00	18.42 0.95 0.00	45.37 2.27 0.00	41.85 2.16 0.00	25.04 1.37 0.00	17.71 0.85 -1.62	13.66 0.72 -0.33	15.26 0.76 0.00	22.97 1.15 0.00	26.42 1.49 0.00	15.15 0.89 0.00	20.12 1.06 0.00	21.89 1.03 0.00	33.81 1.41 0.00	32.10 1.31 0.00	34.13 1.58 0.00	32.87 1.49 0.00	36.98 1.35 0.00	31.49 1.08 0.00	26.84 0.92 0.00
RAVENSWOOD___4 23820	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.25 0.00	41.86 2.17 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.77 0.00	22.98 1.16 0.00	26.44 1.50 0.00	15.16 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
RCPI_TRUST___DRP 24196	22.08 1.39 0.00	18.73 1.08 0.00	18.62 1.00 0.00	20.21 1.06 0.00	17.82 0.95 0.00	18.45 0.98 0.00	45.44 2.34 0.00	41.92 2.23 0.00	25.08 1.40 0.00	17.71 0.87 -1.59	13.67 0.74 -0.32	15.28 0.78 0.00	23.00 1.18 0.00	26.44 1.51 0.00	15.16 0.91 0.00	20.14 1.08 0.00	21.91 1.06 0.00	33.85 1.44 0.00	32.13 1.34 0.00	34.18 1.63 0.00	32.91 1.54 0.00	37.02 1.38 0.00	31.52 1.11 0.00	26.86 0.94 0.00
RED___ROCHESTER 323720	20.05 -0.65 0.00	17.23 -0.41 0.00	17.05 -0.56 0.00	18.59 -0.56 0.00	16.36 -0.51 0.00	16.96 -0.51 0.00	41.74 -1.36 0.00	38.27 -1.42 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.12 -0.49 0.00	13.94 -0.56 0.00	20.89 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.13 -1.51 0.00	29.52 -0.90 0.00	25.36 -0.56 0.00
REGAN___SOLAR 323812	22.47 1.78 0.00	19.17 1.52 0.00	19.09 1.48 0.00	20.78 1.63 0.00	18.30 1.44 0.00	18.92 1.46 0.00	46.83 3.72 0.00	43.11 3.42 0.00	25.36 1.69 0.00	16.42 1.18 0.00	13.57 0.96 0.00	15.82 1.32 0.00	23.85 2.04 0.00	27.24 2.31 0.00	15.61 1.35 0.00	21.07 2.01 0.00	23.09 2.23 0.00	35.88 3.48 0.00	34.04 3.25 0.00	36.04 3.49 0.00	34.72 3.34 0.00	39.18 3.54 0.00	33.26 2.84 0.00	28.20 2.28 0.00
RENSSELAER___COGEN 23796	20.99 0.30 0.00	17.83 0.19 0.00	17.86 0.24 0.00	19.39 0.24 0.00	17.06 0.20 0.00	17.66 0.19 0.00	43.56 0.46 0.00	40.13 0.44 0.00	23.79 0.12 0.00	15.35 0.11 0.00	12.78 0.17 0.00	14.72 0.23 0.00	22.10 0.29 0.00	25.25 0.32 0.00	14.55 0.30 0.00	19.42 0.36 0.00	21.13 0.28 0.00	32.83 0.42 0.00	31.16 0.37 0.00	32.98 0.43 0.00	31.75 0.37 0.00	35.90 0.26 0.00	30.51 0.09 0.00	25.90 -0.02 0.00
REPUBLIC_115KV_BARTNBRK 55605	22.00 1.31 0.00	18.72 1.07 0.00	18.76 1.15 0.00	20.39 1.23 0.00	17.73 0.86 0.00	18.60 1.13 0.00	46.09 2.99 0.00	42.51 2.81 0.00	24.75 1.09 0.00	15.95 0.71 0.00	13.48 0.87 0.00	15.52 1.03 0.00	23.81 2.00 0.00	27.16 2.23 0.00	15.67 1.41 0.00	20.96 1.90 0.00	22.34 1.48 0.00	35.34 2.93 0.00	33.44 2.65 0.00	35.45 2.91 0.00	34.29 2.92 0.00	38.54 2.90 0.00	32.49 2.08 0.00	27.10 1.18 0.00
REVERE_CPPR_DRP 24186	21.00 0.31 0.00	17.89 0.24 0.00	17.87 0.26 0.00	19.46 0.30 0.00	17.16 0.29 0.00	17.73 0.26 0.00	43.82 0.72 0.00	40.36 0.67 0.00	24.20 0.53 0.00	15.62 0.38 0.00	12.91 0.30 0.00	14.88 0.38 0.00	22.42 0.60 0.00	25.64 0.71 0.00	14.65 0.39 0.00	19.65 0.59 0.00	21.53 0.67 0.00	33.49 1.08 0.00	31.78 0.99 0.00	33.67 1.12 0.00	32.51 1.14 0.00	36.76 1.12 0.00	31.26 0.85 0.00	26.63 0.70 0.00
REYNOLDS_115KV_TB3 80639	21.16 0.46 0.00	17.98 0.33 0.00	18.00 0.39 0.00	19.55 0.39 0.00	17.18 0.32 0.00	17.80 0.32 0.00	43.89 0.79 0.00	40.43 0.73 0.00	23.96 0.29 0.00	15.45 0.21 0.00	12.85 0.24 0.00	14.81 0.31 0.00	22.27 0.45 0.00	25.46 0.52 0.00	14.66 0.40 0.00	19.58 0.52 0.00	21.30 0.44 0.00	33.09 0.68 0.00	31.39 0.60 0.00	33.24 0.69 0.00	32.00 0.62 0.00	36.18 0.54 0.00	30.75 0.33 0.00	26.09 0.17 0.00
RIVERBAY____ 323610	22.09 1.40 0.00	18.72 1.08 0.00	18.63 1.02 0.00	20.21 1.06 0.00	17.84 0.99 0.00	18.47 1.00 0.00	45.47 2.37 0.00	41.98 2.29 0.00	25.06 1.39 0.00	17.74 0.87 -1.62	13.67 0.74 -0.33	15.26 0.76 0.00	22.99 1.17 0.00	26.48 1.55 0.00	15.19 0.93 0.00	20.07 1.00 0.00	21.91 1.05 0.00	33.82 1.42 0.00	32.12 1.34 0.00	34.16 1.61 0.00	32.97 1.60 0.00	37.08 1.44 0.00	31.52 1.10 0.00	26.88 0.96 0.00
RIVERSDE_115KV_TB3 55908	21.01 0.32 0.00	17.86 0.21 0.00	17.88 0.27 0.00	19.41 0.26 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.62 0.52 0.00	40.17 0.47 0.00	23.82 0.14 0.00	15.37 0.12 0.00	12.79 0.18 0.00	14.74 0.24 0.00	22.14 0.32 0.00	25.30 0.37 0.00	14.58 0.33 0.00	19.46 0.39 0.00	21.16 0.31 0.00	32.87 0.46 0.00	31.20 0.40 0.00	33.03 0.48 0.00	31.79 0.41 0.00	35.94 0.30 0.00	30.55 0.13 0.00	25.93 0.01 0.00
ROARING___BROOK_WT_PWR 323790	20.09 -0.60 0.00	17.25 -0.39 0.00	17.31 -0.30 0.00	18.88 -0.27 0.00	16.62 -0.25 0.00	17.17 -0.30 0.00	42.31 -0.79 0.00	39.04 -0.65 0.00	23.36 -0.31 0.00	15.11 -0.13 0.00	12.37 -0.24 0.00	14.22 -0.28 0.00	21.66 -0.15 0.00	24.92 -0.01 0.00	14.24 -0.02 0.00	18.93 -0.13 0.00	20.71 -0.15 0.00	32.42 0.02 0.00	30.88 0.08 0.00	32.54 0.00 0.00	31.39 0.02 0.00	35.74 0.10 0.00	30.35 -0.07 0.00	25.98 0.07 0.00
ROCHESRG_115KV_T4 355643	19.87 -0.82 0.00	17.10 -0.55 0.00	16.91 -0.70 0.00	18.45 -0.70 0.00	16.24 -0.62 0.00	16.82 -0.65 0.00	41.41 -1.69 0.00	37.97 -1.72 0.00	22.78 -0.89 0.00	14.62 -0.62 0.00	12.02 -0.59 0.00	13.83 -0.67 0.00	20.72 -1.10 0.00	23.52 -1.41 0.00	13.40 -0.86 0.00	18.08 -0.98 0.00	19.68 -1.18 0.00	30.53 -1.88 0.00	28.87 -1.93 0.00	30.86 -1.68 0.00	30.05 -1.33 0.00	33.80 -1.84 0.00	29.24 -1.18 0.00	25.14 -0.78 0.00
ROCHESTER_9_IC 23652	19.97 -0.73 0.00	17.18 -0.47 0.00	16.99 -0.63 0.00	18.53 -0.62 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.59 -1.52 0.00	38.14 -1.55 0.00	22.89 -0.79 0.00	14.69 -0.55 0.00	12.07 -0.54 0.00	13.88 -0.61 0.00	20.82 -1.00 0.00	23.62 -1.32 0.00	13.46 -0.80 0.00	18.18 -0.88 0.00	19.77 -1.09 0.00	30.69 -1.72 0.00	29.02 -1.77 0.00	31.03 -1.51 0.00	30.21 -1.16 0.00	33.99 -1.65 0.00	29.39 -1.03 0.00	25.26 -0.66 0.00



ROCKVIEW_13_KV_LD 356306	22.00 1.30 0.00	18.64 0.99 0.00	18.56 0.94 0.00	20.14 0.98 0.00	17.76 0.89 0.00	18.40 0.93 0.00	45.34 2.24 0.00	41.79 2.10 0.00	24.96 1.29 0.00	16.04 0.80 0.00	13.29 0.68 0.00	15.23 0.73 0.00	22.93 1.12 0.00	26.37 1.44 0.00	15.12 0.87 0.00	20.10 1.04 0.00	21.87 1.01 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.13 1.59 0.00	32.88 1.51 0.00	37.04 1.40 0.00	31.51 1.09 0.00	26.82 0.90 0.00
ROME____115KV_TB2 80656	21.00 0.31 0.00	17.89 0.24 0.00	17.87 0.26 0.00	19.46 0.30 0.00	17.16 0.29 0.00	17.73 0.26 0.00	43.82 0.72 0.00	40.36 0.67 0.00	24.20 0.53 0.00	15.62 0.38 0.00	12.91 0.30 0.00	14.88 0.38 0.00	22.42 0.60 0.00	25.64 0.71 0.00	14.65 0.39 0.00	19.65 0.59 0.00	21.53 0.67 0.00	33.49 1.08 0.00	31.78 0.99 0.00	33.67 1.12 0.00	32.51 1.14 0.00	36.76 1.12 0.00	31.26 0.85 0.00	26.63 0.70 0.00
ROSETON___1 23587	21.67 0.97 0.00	18.37 0.72 0.00	18.32 0.70 0.00	19.88 0.73 0.00	17.52 0.66 0.00	18.15 0.68 0.00	44.73 1.63 0.00	41.25 1.55 0.00	24.59 0.92 0.00	15.80 0.56 0.00	13.10 0.49 0.00	15.03 0.53 0.00	22.62 0.80 0.00	25.96 1.03 0.00	14.92 0.66 0.00	19.86 0.80 0.00	21.60 0.74 0.00	33.46 1.05 0.00	31.78 0.99 0.00	33.75 1.21 0.00	32.51 1.13 0.00	36.65 1.01 0.00	31.17 0.75 0.00	26.51 0.59 0.00
ROSETON___2 23588	21.67 0.97 0.00	18.37 0.72 0.00	18.32 0.70 0.00	19.88 0.73 0.00	17.52 0.66 0.00	18.15 0.68 0.00	44.73 1.63 0.00	41.25 1.55 0.00	24.59 0.92 0.00	15.80 0.56 0.00	13.10 0.49 0.00	15.03 0.53 0.00	22.62 0.80 0.00	25.96 1.03 0.00	14.92 0.66 0.00	19.86 0.80 0.00	21.60 0.74 0.00	33.46 1.05 0.00	31.78 0.99 0.00	33.75 1.21 0.00	32.51 1.13 0.00	36.65 1.01 0.00	31.17 0.75 0.00	26.51 0.59 0.00
ROTTDAM_115KV_TB3 80664	21.26 0.57 0.00	18.09 0.44 0.00	18.10 0.49 0.00	19.67 0.51 0.00	17.31 0.44 0.00	17.91 0.44 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.16 0.49 0.00	15.57 0.33 0.00	12.92 0.31 0.00	14.89 0.39 0.00	22.43 0.62 0.00	25.63 0.70 0.00	14.73 0.47 0.00	19.71 0.65 0.00	21.44 0.58 0.00	33.33 0.92 0.00	31.62 0.83 0.00	33.48 0.94 0.00	32.26 0.88 0.00	36.48 0.85 0.00	31.03 0.61 0.00	26.36 0.44 0.00
RUSSELL___1 23602	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
RUSSELL___2 23532	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
RUSSELL___3 23549	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
RUSSELL___4 23556	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
RUSSELL___STATION 23914	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
S SALMON___HYD 24043	19.93 -0.76 0.00	17.01 -0.64 0.00	16.98 -0.64 0.00	18.54 -0.62 0.00	16.34 -0.52 0.00	16.83 -0.64 0.00	41.54 -1.57 0.00	38.21 -1.48 0.00	22.98 -0.69 0.00	14.89 -0.36 0.00	12.24 -0.37 0.00	14.00 -0.49 0.00	21.29 -0.53 0.00	24.44 -0.49 0.00	13.90 -0.36 0.00	18.63 -0.43 0.00	20.38 -0.48 0.00	31.71 -0.70 0.00	30.04 -0.75 0.00	31.93 -0.62 0.00	30.88 -0.50 0.00	34.90 -0.74 0.00	29.69 -0.72 0.00	25.35 -0.57 0.00
S.PERRY___115KV_TB1 80734	20.38 -0.31 0.00	17.52 -0.13 0.00	17.30 -0.31 0.00	18.85 -0.30 0.00	16.68 -0.18 0.00	17.39 -0.08 0.00	43.03 -0.07 0.00	39.43 -0.26 0.00	23.61 -0.06 0.00	15.22 -0.02 0.00	12.24 -0.37 0.00	13.90 -0.59 0.00	20.96 -0.86 0.00	23.65 -1.28 0.00	13.48 -0.78 0.00	18.35 -0.71 0.00	19.74 -1.12 0.00	30.92 -1.49 0.00	29.50 -1.30 0.00	31.87 -0.68 0.00	31.46 0.08 0.00	35.35 -0.29 0.00	30.55 0.13 0.00	26.19 0.27 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	19.51 -1.18 0.00	16.87 -0.77 0.00	16.62 -1.00 0.00	18.18 -0.97 0.00	16.00 -0.86 0.00	16.59 -0.88 0.00	40.73 -2.37 0.00	37.18 -2.51 0.00	22.38 -1.29 0.00	14.29 -0.95 0.00	11.70 -0.91 0.00	13.49 -1.01 0.00	20.15 -1.67 0.00	22.81 -2.13 0.00	12.90 -1.35 0.00	17.43 -1.63 0.00	18.94 -1.92 0.00	29.43 -2.98 0.00	27.81 -2.98 0.00	29.91 -2.64 0.00	29.27 -2.11 0.00	32.84 -2.80 0.00	28.74 -1.68 0.00	24.89 -1.03 0.00
SAWYER___23_KV_LOAD 55526	19.51 -1.18 0.00	16.87 -0.77 0.00	16.62 -1.00 0.00	18.18 -0.97 0.00	16.00 -0.86 0.00	16.59 -0.88 0.00	40.73 -2.37 0.00	37.18 -2.51 0.00	22.38 -1.29 0.00	14.29 -0.95 0.00	11.70 -0.91 0.00	13.49 -1.01 0.00	20.15 -1.67 0.00	22.81 -2.13 0.00	12.90 -1.35 0.00	17.43 -1.63 0.00	18.94 -1.92 0.00	29.43 -2.98 0.00	27.81 -2.98 0.00	29.91 -2.64 0.00	29.27 -2.11 0.00	32.84 -2.80 0.00	28.74 -1.68 0.00	24.89 -1.03 0.00
SELKIRK___I 23801	21.19 0.50 0.00	18.02 0.37 0.00	18.06 0.45 0.00	19.60 0.45 0.00	17.25 0.39 0.00	17.85 0.38 0.00	44.01 0.91 0.00	40.43 0.74 0.00	23.98 0.31 0.00	15.46 0.21 0.00	12.87 0.26 0.00	14.84 0.34 0.00	22.31 0.49 0.00	25.37 0.43 0.00	14.62 0.37 0.00	19.56 0.50 0.00	21.34 0.49 0.00	33.13 0.72 0.00	31.45 0.65 0.00	33.28 0.74 0.00	32.04 0.66 0.00	36.24 0.60 0.00	30.83 0.41 0.00	26.20 0.28 0.00



SELKIRK___II 23799	21.10 0.40 0.00	17.94 0.29 0.00	17.96 0.34 0.00	19.50 0.35 0.00	17.16 0.30 0.00	17.76 0.29 0.00	43.78 0.68 0.00	40.31 0.61 0.00	23.93 0.26 0.00	15.43 0.19 0.00	12.83 0.22 0.00	14.78 0.28 0.00	22.20 0.38 0.00	25.35 0.42 0.00	14.60 0.34 0.00	19.50 0.45 0.00	21.22 0.36 0.00	32.96 0.55 0.00	31.28 0.49 0.00	33.11 0.57 0.00	31.88 0.51 0.00	36.05 0.41 0.00	30.66 0.24 0.00	26.05 0.13 0.00
SENECA OSWGO___HYD 24041	20.13 -0.57 0.00	17.17 -0.48 0.00	17.09 -0.52 0.00	18.60 -0.55 0.00	16.40 -0.46 0.00	16.99 -0.48 0.00	41.95 -1.15 0.00	38.58 -1.12 0.00	23.06 -0.61 0.00	14.85 -0.39 0.00	12.28 -0.33 0.00	14.08 -0.41 0.00	21.15 -0.67 0.00	24.16 -0.77 0.00	13.80 -0.46 0.00	18.55 -0.51 0.00	20.26 -0.60 0.00	31.45 -0.96 0.00	29.80 -0.99 0.00	31.66 -0.89 0.00	30.62 -0.76 0.00	34.60 -1.04 0.00	29.56 -0.86 0.00	25.22 -0.70 0.00
SENECA___115KV_TB3 355854	19.75 -0.94 0.00	17.05 -0.60 0.00	16.78 -0.83 0.00	18.36 -0.79 0.00	16.19 -0.67 0.00	16.79 -0.68 0.00	41.31 -1.80 0.00	37.71 -1.98 0.00	22.71 -0.96 0.00	14.49 -0.75 0.00	11.85 -0.77 0.00	13.63 -0.86 0.00	20.37 -1.45 0.00	23.05 -1.89 0.00	13.05 -1.20 0.00	17.63 -1.43 0.00	19.15 -1.71 0.00	29.82 -2.59 0.00	28.20 -2.59 0.00	30.38 -2.16 0.00	29.73 -1.65 0.00	33.34 -2.30 0.00	29.15 -1.26 0.00	25.20 -0.72 0.00
SENECA___ENERGY 23797	20.19 -0.51 0.00	17.24 -0.40 0.00	17.12 -0.49 0.00	18.64 -0.51 0.00	16.45 -0.41 0.00	17.07 -0.40 0.00	42.24 -0.86 0.00	38.82 -0.87 0.00	23.23 -0.45 0.00	14.94 -0.31 0.00	12.32 -0.29 0.00	14.10 -0.39 0.00	21.13 -0.68 0.00	24.03 -0.91 0.00	13.69 -0.57 0.00	18.54 -0.52 0.00	20.19 -0.67 0.00	31.28 -1.13 0.00	29.73 -1.06 0.00	31.71 -0.84 0.00	30.73 -0.64 0.00	34.65 -0.99 0.00	29.70 -0.72 0.00	25.45 -0.47 0.00
SHOEMAKER___GT 23640	21.51 0.82 0.00	18.24 0.60 0.00	18.18 0.57 0.00	19.75 0.60 0.00	17.41 0.55 0.00	18.04 0.57 0.00	44.49 1.38 0.00	41.03 1.34 0.00	24.45 0.78 0.00	15.70 0.45 0.00	12.98 0.37 0.00	14.92 0.42 0.00	22.48 0.66 0.00	25.74 0.80 0.00	14.75 0.49 0.00	19.63 0.57 0.00	21.39 0.53 0.00	33.20 0.79 0.00	31.60 0.81 0.00	33.58 1.04 0.00	32.36 0.99 0.00	36.49 0.85 0.00	31.05 0.63 0.00	26.42 0.50 0.00
SHOEMAKR_138KV_BK 111 55601	21.51 0.82 0.00	18.24 0.59 0.00	18.18 0.57 0.00	19.74 0.59 0.00	17.41 0.55 0.00	18.04 0.57 0.00	44.49 1.38 0.00	41.02 1.33 0.00	24.45 0.78 0.00	15.70 0.46 0.00	12.99 0.38 0.00	14.92 0.42 0.00	22.47 0.65 0.00	25.75 0.82 0.00	14.76 0.51 0.00	19.65 0.59 0.00	21.40 0.55 0.00	33.21 0.79 0.00	31.59 0.80 0.00	33.57 1.02 0.00	32.34 0.96 0.00	36.48 0.84 0.00	31.03 0.61 0.00	26.41 0.49 0.00
SHOREHAM_IC_1 23715	22.57 1.88 0.00	19.04 1.40 0.00	19.02 1.41 0.00	20.61 1.46 0.00	18.19 1.33 0.00	18.98 1.52 0.00	46.57 3.46 0.00	42.64 2.95 0.00	25.68 2.00 0.00	16.45 1.21 0.00	13.51 0.90 0.00	15.41 0.91 0.00	23.37 1.55 0.00	31.23 2.36 -3.94	19.36 1.24 -3.87	20.36 1.30 0.00	22.02 1.16 0.00	33.54 1.13 0.00	31.59 0.80 0.00	33.79 1.24 0.00	32.62 1.25 0.00	37.23 1.60 0.00	32.01 1.59 0.00	27.15 1.23 0.00
SHOREHAM_IC_2 23716	22.57 1.88 0.00	19.04 1.40 0.00	19.02 1.41 0.00	20.61 1.46 0.00	18.19 1.33 0.00	18.98 1.52 0.00	46.57 3.46 0.00	42.64 2.95 0.00	25.68 2.00 0.00	16.45 1.21 0.00	13.51 0.90 0.00	15.41 0.91 0.00	23.37 1.55 0.00	31.23 2.36 -3.94	19.36 1.24 -3.87	20.36 1.30 0.00	22.02 1.16 0.00	33.54 1.13 0.00	31.59 0.80 0.00	33.79 1.24 0.00	32.62 1.25 0.00	37.23 1.60 0.00	32.01 1.59 0.00	27.15 1.23 0.00
SISSONVILLE____ 23735	25.84 -0.45 -5.60	22.59 -0.30 -5.24	22.56 -0.29 -5.24	24.29 -0.31 -5.44	18.26 -0.30 -1.70	17.08 -0.39 0.00	42.04 -1.06 0.00	38.63 -1.06 0.00	23.09 -0.58 0.00	14.93 -0.31 0.00	12.34 -0.27 0.00	14.22 -0.27 0.00	21.73 -0.09 0.00	24.96 0.03 0.00	14.20 -0.05 0.00	18.71 -0.35 0.00	20.59 -0.27 0.00	32.13 -0.28 0.00	30.64 -0.15 0.00	32.18 -0.36 0.00	31.03 -0.34 0.00	35.76 0.12 0.00	30.58 0.16 0.00	26.03 0.11 0.00
SITHE_IND_GS1 24169	20.01 -0.68 0.00	17.08 -0.57 0.00	17.01 -0.60 0.00	18.51 -0.64 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.71 -1.39 0.00	38.36 -1.33 0.00	22.92 -0.75 0.00	14.75 -0.49 0.00	12.19 -0.42 0.00	14.00 -0.49 0.00	21.04 -0.78 0.00	24.03 -0.90 0.00	13.73 -0.53 0.00	18.42 -0.64 0.00	20.12 -0.74 0.00	31.24 -1.17 0.00	29.64 -1.15 0.00	31.45 -1.09 0.00	30.40 -0.98 0.00	34.39 -1.25 0.00	29.41 -1.01 0.00	25.10 -0.82 0.00
SITHE_IND_GS2 24170	20.01 -0.68 0.00	17.08 -0.57 0.00	17.01 -0.60 0.00	18.51 -0.64 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.71 -1.39 0.00	38.36 -1.33 0.00	22.92 -0.75 0.00	14.75 -0.49 0.00	12.19 -0.42 0.00	14.00 -0.49 0.00	21.04 -0.78 0.00	24.03 -0.90 0.00	13.73 -0.53 0.00	18.42 -0.64 0.00	20.12 -0.74 0.00	31.24 -1.17 0.00	29.64 -1.15 0.00	31.45 -1.09 0.00	30.40 -0.98 0.00	34.39 -1.25 0.00	29.41 -1.01 0.00	25.10 -0.82 0.00
SITHE_IND_GS3 24171	20.01 -0.68 0.00	17.08 -0.57 0.00	17.01 -0.60 0.00	18.51 -0.64 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.71 -1.39 0.00	38.36 -1.33 0.00	22.92 -0.75 0.00	14.75 -0.49 0.00	12.19 -0.42 0.00	14.00 -0.49 0.00	21.04 -0.78 0.00	24.03 -0.90 0.00	13.73 -0.53 0.00	18.42 -0.64 0.00	20.12 -0.74 0.00	31.24 -1.17 0.00	29.64 -1.15 0.00	31.45 -1.09 0.00	30.40 -0.98 0.00	34.39 -1.25 0.00	29.41 -1.01 0.00	25.10 -0.82 0.00
SITHE_IND_GS4 24172	20.01 -0.68 0.00	17.08 -0.57 0.00	17.01 -0.60 0.00	18.51 -0.64 0.00	16.31 -0.55 0.00	16.90 -0.57 0.00	41.71 -1.39 0.00	38.36 -1.33 0.00	22.92 -0.75 0.00	14.75 -0.49 0.00	12.19 -0.42 0.00	14.00 -0.49 0.00	21.04 -0.78 0.00	24.03 -0.90 0.00	13.73 -0.53 0.00	18.42 -0.64 0.00	20.12 -0.74 0.00	31.24 -1.17 0.00	29.64 -1.15 0.00	31.45 -1.09 0.00	30.40 -0.98 0.00	34.39 -1.25 0.00	29.41 -1.01 0.00	25.10 -0.82 0.00
SITHE___BATAVIA 24024	20.00 -0.69 0.00	17.27 -0.38 0.00	17.02 -0.59 0.00	18.60 -0.55 0.00	16.35 -0.51 0.00	16.97 -0.50 0.00	41.70 -1.41 0.00	38.14 -1.55 0.00	22.96 -0.71 0.00	14.72 -0.52 0.00	11.99 -0.62 0.00	13.84 -0.65 0.00	20.65 -1.17 0.00	23.31 -1.63 0.00	13.32 -0.93 0.00	17.99 -1.07 0.00	19.57 -1.29 0.00	30.43 -1.98 0.00	28.67 -2.12 0.00	30.85 -1.69 0.00	30.21 -1.17 0.00	33.87 -1.77 0.00	29.47 -0.95 0.00	25.42 -0.50 0.00
SITHE___INDEPEND 23800	20.01 -0.68 0.00	17.08 -0.57 0.00	17.01 -0.60 0.00	18.51 -0.64 0.00	16.31 -0.56 0.00	16.90 -0.57 0.00	41.71 -1.39 0.00	38.36 -1.33 0.00	22.92 -0.75 0.00	14.75 -0.49 0.00	12.19 -0.42 0.00	14.00 -0.49 0.00	21.04 -0.78 0.00	24.03 -0.90 0.00	13.73 -0.53 0.00	18.42 -0.64 0.00	20.12 -0.74 0.00	31.24 -1.17 0.00	29.64 -1.15 0.00	31.45 -1.09 0.00	30.40 -0.98 0.00	34.39 -1.25 0.00	29.40 -1.01 0.00	25.10 -0.82 0.00



SITHE___MASSENA 23902	21.67 -0.05 -1.03	18.66 0.04 -0.96	18.61 0.03 -0.97	20.19 0.03 -1.01	17.17 0.00 -0.31	17.48 0.00 0.00	43.09 -0.01 0.00	39.67 -0.02 0.00	23.69 0.02 0.00	15.28 0.04 0.00	12.61 0.00 0.00	14.51 0.01 0.00	21.94 0.13 0.00	25.12 0.19 0.00	14.31 0.05 0.00	19.02 -0.04 0.00	20.97 0.11 0.00	32.68 0.27 0.00	31.14 0.35 0.00	32.71 0.17 0.00	31.55 0.17 0.00	36.18 0.54 0.00	30.95 0.53 0.00	26.39 0.47 0.00
SITHE___OGDNSBRG 24021	24.61 0.09 -3.83	21.40 0.17 -3.58	21.35 0.16 -3.58	23.05 0.18 -3.72	18.14 0.11 -1.16	17.57 0.10 0.00	43.31 0.21 0.00	39.81 0.12 0.00	23.66 -0.01 0.00	15.29 0.05 0.00	12.61 0.00 0.00	14.53 0.04 0.00	22.09 0.27 0.00	25.42 0.48 0.00	14.45 0.20 0.00	19.13 0.07 0.00	21.13 0.27 0.00	32.97 0.56 0.00	31.44 0.65 0.00	33.03 0.48 0.00	31.87 0.50 0.00	36.62 0.98 0.00	31.31 0.89 0.00	26.67 0.75 0.00
SITHE___STERLING 23777	20.93 0.23 0.00	17.83 0.19 0.00	17.80 0.19 0.00	19.38 0.22 0.00	17.08 0.22 0.00	17.68 0.21 0.00	43.70 0.60 0.00	40.22 0.53 0.00	24.07 0.40 0.00	15.51 0.27 0.00	12.85 0.24 0.00	14.79 0.29 0.00	22.22 0.40 0.00	25.37 0.44 0.00	14.51 0.25 0.00	19.48 0.42 0.00	21.32 0.46 0.00	33.16 0.75 0.00	31.47 0.68 0.00	33.35 0.80 0.00	32.20 0.83 0.00	36.40 0.76 0.00	31.01 0.59 0.00	26.41 0.49 0.00
SLEIGHT__34_KV_TB1 80719	20.01 -0.68 0.00	17.15 -0.49 0.00	17.01 -0.61 0.00	18.53 -0.62 0.00	16.33 -0.54 0.00	16.93 -0.54 0.00	41.79 -1.31 0.00	38.40 -1.29 0.00	22.99 -0.68 0.00	14.79 -0.46 0.00	12.18 -0.43 0.00	13.97 -0.52 0.00	20.95 -0.86 0.00	23.81 -1.12 0.00	13.57 -0.68 0.00	18.36 -0.70 0.00	20.00 -0.85 0.00	31.03 -1.38 0.00	29.40 -1.39 0.00	31.37 -1.17 0.00	30.44 -0.94 0.00	34.27 -1.37 0.00	29.45 -0.97 0.00	25.24 -0.68 0.00
SOUTH CAIRO___GT 23612	21.72 1.03 0.00	18.47 0.83 0.00	18.51 0.90 0.00	20.09 0.93 0.00	17.67 0.80 0.00	18.30 0.83 0.00	45.20 2.09 0.00	41.57 1.87 0.00	24.50 0.83 0.00	15.80 0.56 0.00	13.16 0.55 0.00	15.35 0.86 0.00	22.96 1.15 0.00	25.79 0.86 0.00	14.91 0.66 0.00	20.11 1.05 0.00	22.11 1.25 0.00	34.50 2.09 0.00	32.65 1.86 0.00	34.54 1.99 0.00	33.22 1.85 0.00	37.49 1.85 0.00	31.79 1.37 0.00	26.91 0.99 0.00
SOUTH HAMPTN___IC 23720	22.62 1.92 0.00	19.08 1.43 0.00	19.05 1.44 0.00	20.64 1.49 0.00	18.22 1.36 0.00	19.00 1.54 0.00	46.66 3.55 0.00	42.70 3.01 0.00	25.71 2.04 0.00	16.47 1.22 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.39 1.58 0.00	31.29 2.42 -3.94	19.35 1.23 -3.87	20.37 1.31 0.00	22.07 1.21 0.00	33.65 1.25 0.00	31.76 0.97 0.00	33.98 1.44 0.00	32.81 1.43 0.00	37.41 1.77 0.00	32.10 1.68 0.00	27.22 1.30 0.00
SOUTHDOW__115KV_TB1 355954	20.37 -0.32 0.00	17.42 -0.22 0.00	17.32 -0.30 0.00	18.97 -0.18 0.00	16.69 -0.17 0.00	17.25 -0.22 0.00	42.66 -0.44 0.00	38.89 -0.81 0.00	23.61 -0.06 0.00	15.07 -0.17 0.00	12.08 -0.53 0.00	14.01 -0.49 0.00	20.92 -0.90 0.00	23.55 -1.38 0.00	13.31 -0.95 0.00	18.03 -1.03 0.00	19.62 -1.24 0.00	30.86 -1.55 0.00	29.21 -1.58 0.00	31.82 -0.73 0.00	31.00 -0.38 0.00	34.67 -0.97 0.00	30.33 -0.09 0.00	26.15 0.23 0.00
SOUTHOLD_69_KV_BK 2 55809	22.66 1.97 0.00	19.11 1.46 0.00	19.08 1.46 0.00	20.67 1.52 0.00	18.25 1.38 0.00	19.04 1.57 0.00	46.78 3.67 0.00	42.80 3.11 0.00	25.76 2.09 0.00	16.49 1.25 0.00	13.52 0.91 0.00	15.39 0.90 0.00	23.43 1.62 0.00	31.42 2.56 -3.94	19.34 1.22 -3.87	20.40 1.34 0.00	22.11 1.25 0.00	33.75 1.35 0.00	31.89 1.10 0.00	34.14 1.59 0.00	32.95 1.58 0.00	37.54 1.90 0.00	32.17 1.76 0.00	27.27 1.36 0.00
SOUTHOLD___IC 23719	22.66 1.97 0.00	19.11 1.47 0.00	19.08 1.46 0.00	20.67 1.52 0.00	18.25 1.39 0.00	19.04 1.57 0.00	46.77 3.66 0.00	42.80 3.11 0.00	25.77 2.09 0.00	16.49 1.25 0.00	13.52 0.91 0.00	15.39 0.90 0.00	23.43 1.62 0.00	31.43 2.56 -3.94	19.33 1.21 -3.87	20.39 1.34 0.00	22.11 1.26 0.00	33.75 1.34 0.00	31.89 1.10 0.00	34.14 1.59 0.00	32.95 1.58 0.00	37.53 1.89 0.00	32.17 1.75 0.00	27.27 1.35 0.00
SOUTH_FORK_WT_PWR 323839	22.49 1.80 0.00	18.96 1.31 0.00	18.93 1.32 0.00	20.51 1.36 0.00	18.11 1.25 0.00	18.90 1.43 0.00	46.42 3.32 0.00	42.48 2.79 0.00	25.58 1.91 0.00	16.36 1.12 0.00	13.42 0.81 0.00	15.27 0.78 0.00	23.25 1.44 0.00	31.26 2.39 -3.94	19.22 1.10 -3.87	20.23 1.18 0.00	21.96 1.11 0.00	33.49 1.08 0.00	31.64 0.85 0.00	33.87 1.33 0.00	32.69 1.31 0.00	37.24 1.60 0.00	31.93 1.51 0.00	27.05 1.13 0.00
SPIERFLS_115KV_TB 1 80737	21.33 0.64 0.00	18.14 0.49 0.00	18.16 0.55 0.00	19.74 0.59 0.00	17.31 0.45 0.00	17.99 0.52 0.00	44.45 1.35 0.00	41.02 1.33 0.00	24.23 0.56 0.00	15.62 0.38 0.00	13.01 0.40 0.00	15.02 0.53 0.00	22.74 0.92 0.00	25.91 0.98 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.63 0.77 0.00	33.87 1.46 0.00	32.08 1.29 0.00	33.94 1.39 0.00	32.74 1.37 0.00	36.93 1.29 0.00	31.24 0.83 0.00	26.41 0.49 0.00
ST LAWRENCE___ 23600	20.47 -0.22 0.00	17.54 -0.11 0.00	17.48 -0.13 0.00	19.02 -0.13 0.00	16.71 -0.15 0.00	17.34 -0.13 0.00	42.78 -0.32 0.00	39.42 -0.27 0.00	23.54 -0.14 0.00	15.18 -0.06 0.00	12.52 -0.09 0.00	14.40 -0.10 0.00	21.74 -0.08 0.00	24.86 -0.07 0.00	14.17 -0.08 0.00	18.85 -0.21 0.00	20.80 -0.06 0.00	32.42 0.01 0.00	30.88 0.08 0.00	32.43 -0.11 0.00	31.27 -0.10 0.00	35.84 0.21 0.00	30.65 0.24 0.00	26.14 0.22 0.00
STATE_CA_115KV_115_LB 55624	21.10 0.41 0.00	17.93 0.28 0.00	17.95 0.33 0.00	19.49 0.34 0.00	17.14 0.28 0.00	17.75 0.28 0.00	43.80 0.70 0.00	40.33 0.63 0.00	23.92 0.25 0.00	15.44 0.19 0.00	12.85 0.24 0.00	14.81 0.31 0.00	22.24 0.42 0.00	25.42 0.48 0.00	14.65 0.39 0.00	19.55 0.49 0.00	21.27 0.42 0.00	33.04 0.63 0.00	31.35 0.56 0.00	33.19 0.65 0.00	31.95 0.58 0.00	36.12 0.48 0.00	30.69 0.27 0.00	26.05 0.13 0.00
STATE_ST_34_KV_LOAD 55959	20.48 -0.21 0.00	17.48 -0.17 0.00	17.38 -0.23 0.00	18.92 -0.23 0.00	16.70 -0.16 0.00	17.32 -0.15 0.00	42.89 -0.21 0.00	39.51 -0.18 0.00	23.56 -0.12 0.00	15.14 -0.10 0.00	12.51 -0.10 0.00	14.35 -0.14 0.00	21.52 -0.29 0.00	24.48 -0.46 0.00	13.96 -0.30 0.00	18.92 -0.14 0.00	20.60 -0.25 0.00	31.90 -0.51 0.00	30.37 -0.42 0.00	32.36 -0.19 0.00	31.25 -0.13 0.00	35.26 -0.38 0.00	30.11 -0.30 0.00	25.80 -0.13 0.00
STATION 5_MISC_HYD 23604	19.97 -0.73 0.00	17.18 -0.47 0.00	16.99 -0.63 0.00	18.53 -0.62 0.00	16.30 -0.56 0.00	16.90 -0.57 0.00	41.60 -1.51 0.00	38.14 -1.55 0.00	22.88 -0.79 0.00	14.70 -0.55 0.00	12.07 -0.54 0.00	13.89 -0.61 0.00	20.82 -1.00 0.00	23.62 -1.31 0.00	13.46 -0.80 0.00	18.18 -0.88 0.00	19.77 -1.09 0.00	30.69 -1.72 0.00	29.02 -1.78 0.00	31.03 -1.51 0.00	30.21 -1.16 0.00	33.99 -1.65 0.00	29.39 -1.02 0.00	25.26 -0.66 0.00



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	20.24 -0.45 0.00	17.35 -0.29 0.00	17.19 -0.42 0.00	18.74 -0.41 0.00	16.51 -0.35 0.00	17.12 -0.35 0.00	42.27 -0.83 0.00	38.80 -0.90 0.00	23.27 -0.40 0.00	14.95 -0.29 0.00	12.30 -0.31 0.00	14.11 -0.38 0.00	21.13 -0.68 0.00	24.00 -0.93 0.00	13.68 -0.57 0.00	18.52 -0.54 0.00	20.16 -0.70 0.00	31.30 -1.12 0.00	29.65 -1.14 0.00	31.68 -0.87 0.00	30.77 -0.61 0.00	34.62 -1.01 0.00	29.81 -0.61 0.00	25.56 -0.36 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	19.87 -0.82 0.00	17.08 -0.57 0.00	16.90 -0.71 0.00	18.44 -0.71 0.00	16.22 -0.64 0.00	16.82 -0.65 0.00	41.41 -1.69 0.00	37.98 -1.71 0.00	22.78 -0.89 0.00	14.63 -0.61 0.00	12.03 -0.58 0.00	13.83 -0.66 0.00	20.73 -1.09 0.00	23.54 -1.40 0.00	13.41 -0.84 0.00	18.12 -0.94 0.00	19.71 -1.14 0.00	30.60 -1.81 0.00	28.94 -1.85 0.00	30.93 -1.62 0.00	30.09 -1.29 0.00	33.86 -1.78 0.00	29.25 -1.17 0.00	25.12 -0.80 0.00
STA_56____34_KV_BUS2 355983	19.87 -0.82 0.00	17.08 -0.57 0.00	16.90 -0.71 0.00	18.44 -0.71 0.00	16.22 -0.64 0.00	16.82 -0.65 0.00	41.41 -1.69 0.00	37.98 -1.71 0.00	22.78 -0.89 0.00	14.63 -0.61 0.00	12.03 -0.58 0.00	13.83 -0.66 0.00	20.73 -1.09 0.00	23.54 -1.40 0.00	13.41 -0.84 0.00	18.12 -0.94 0.00	19.71 -1.14 0.00	30.60 -1.81 0.00	28.94 -1.85 0.00	30.93 -1.62 0.00	30.09 -1.29 0.00	33.86 -1.78 0.00	29.25 -1.17 0.00	25.12 -0.80 0.00
STA_67____115KV_BK2 355882	19.93 -0.76 0.00	17.15 -0.50 0.00	16.96 -0.65 0.00	18.51 -0.64 0.00	16.28 -0.59 0.00	16.87 -0.60 0.00	41.54 -1.57 0.00	38.07 -1.62 0.00	22.85 -0.83 0.00	14.67 -0.58 0.00	12.05 -0.56 0.00	13.86 -0.63 0.00	20.78 -1.04 0.00	23.58 -1.35 0.00	13.44 -0.82 0.00	18.14 -0.92 0.00	19.74 -1.12 0.00	30.63 -1.78 0.00	28.96 -1.83 0.00	30.97 -1.58 0.00	30.15 -1.23 0.00	33.92 -1.72 0.00	29.33 -1.09 0.00	25.22 -0.70 0.00
STA_7____115KV_9TRANS 80674	20.04 -0.65 0.00	17.23 -0.42 0.00	17.05 -0.57 0.00	18.59 -0.56 0.00	16.36 -0.50 0.00	16.96 -0.52 0.00	41.74 -1.36 0.00	38.27 -1.43 0.00	22.97 -0.70 0.00	14.75 -0.49 0.00	12.11 -0.49 0.00	13.93 -0.56 0.00	20.88 -0.93 0.00	23.70 -1.23 0.00	13.51 -0.74 0.00	18.26 -0.80 0.00	19.86 -1.00 0.00	30.83 -1.58 0.00	29.14 -1.65 0.00	31.19 -1.36 0.00	30.36 -1.01 0.00	34.14 -1.50 0.00	29.51 -0.90 0.00	25.36 -0.56 0.00
STA_82____115KV_TB1 80780	19.95 -0.75 0.00	17.16 -0.49 0.00	16.97 -0.64 0.00	18.51 -0.64 0.00	16.29 -0.57 0.00	16.88 -0.59 0.00	41.54 -1.56 0.00	38.10 -1.59 0.00	22.85 -0.82 0.00	14.67 -0.57 0.00	12.06 -0.55 0.00	13.87 -0.63 0.00	20.78 -1.04 0.00	23.58 -1.35 0.00	13.44 -0.81 0.00	18.15 -0.91 0.00	19.74 -1.11 0.00	30.64 -1.77 0.00	28.97 -1.82 0.00	30.99 -1.56 0.00	30.16 -1.21 0.00	33.93 -1.71 0.00	29.34 -1.07 0.00	25.23 -0.69 0.00
STEEL____WIND 323596	19.73 -0.96 0.00	17.03 -0.62 0.00	16.75 -0.86 0.00	18.34 -0.82 0.00	16.17 -0.69 0.00	16.78 -0.69 0.00	41.28 -1.82 0.00	37.69 -2.01 0.00	22.68 -0.99 0.00	14.47 -0.77 0.00	11.83 -0.78 0.00	13.61 -0.89 0.00	20.33 -1.49 0.00	23.01 -1.93 0.00	13.02 -1.23 0.00	17.61 -1.45 0.00	19.11 -1.74 0.00	29.79 -2.62 0.00	28.16 -2.63 0.00	30.36 -2.19 0.00	29.69 -1.68 0.00	33.31 -2.33 0.00	29.13 -1.29 0.00	25.18 -0.73 0.00
STEPHTWN_115KV_BK_2 55603	21.25 0.55 0.00	18.05 0.40 0.00	18.05 0.44 0.00	19.63 0.48 0.00	17.25 0.39 0.00	17.88 0.40 0.00	44.18 1.08 0.00	40.66 0.97 0.00	24.12 0.45 0.00	15.55 0.31 0.00	12.93 0.32 0.00	14.91 0.42 0.00	22.40 0.58 0.00	25.58 0.65 0.00	14.73 0.47 0.00	19.68 0.62 0.00	21.39 0.54 0.00	33.32 0.91 0.00	31.55 0.76 0.00	33.46 0.92 0.00	32.16 0.79 0.00	36.32 0.68 0.00	30.87 0.45 0.00	26.17 0.25 0.00
STEBEN_REC_LFGE 323667	19.62 -1.07 0.00	16.90 -0.75 0.00	16.71 -0.90 0.00	18.11 -1.04 0.00	16.18 -0.69 0.00	17.01 -0.46 0.00	42.35 -0.75 0.00	38.62 -1.07 0.00	23.24 -0.43 0.00	14.94 -0.30 0.00	11.97 -0.64 0.00	13.48 -1.02 0.00	20.24 -1.57 0.00	22.73 -2.20 0.00	12.88 -1.38 0.00	17.62 -1.44 0.00	19.21 -1.65 0.00	29.84 -2.57 0.00	28.23 -2.56 0.00	30.87 -1.68 0.00	30.88 -0.50 0.00	34.77 -0.87 0.00	30.11 -0.31 0.00	25.81 -0.11 0.00
STILLWATER____SOLAR 323814	21.44 0.74 0.00	18.23 0.58 0.00	18.25 0.64 0.00	19.83 0.68 0.00	17.42 0.56 0.00	18.07 0.60 0.00	44.60 1.50 0.00	41.08 1.39 0.00	24.27 0.60 0.00	15.63 0.39 0.00	13.01 0.40 0.00	15.03 0.53 0.00	22.69 0.87 0.00	25.91 0.97 0.00	14.92 0.66 0.00	19.99 0.93 0.00	21.70 0.84 0.00	33.81 1.40 0.00	32.03 1.24 0.00	33.93 1.38 0.00	32.68 1.30 0.00	36.92 1.28 0.00	31.32 0.90 0.00	26.53 0.61 0.00
STONY____BROOK 24151	22.41 1.72 0.00	18.96 1.32 0.00	18.89 1.28 0.00	20.47 1.32 0.00	18.07 1.20 0.00	18.81 1.33 0.00	46.21 3.11 0.00	42.21 2.52 0.00	25.43 1.76 0.00	16.32 1.08 0.00	13.43 0.82 0.00	15.31 0.82 0.00	23.21 1.40 0.00	31.00 2.13 -3.94	19.24 1.12 -3.87	20.23 1.17 0.00	21.97 1.11 0.00	33.65 1.24 0.00	31.77 0.98 0.00	33.95 1.41 0.00	32.77 1.39 0.00	37.25 1.61 0.00	31.85 1.44 0.00	27.10 1.18 0.00
STURGEON_POOL_HYD 23609	21.97 1.28 0.00	18.61 0.96 0.00	18.55 0.94 0.00	20.14 0.98 0.00	17.76 0.89 0.00	18.39 0.92 0.00	45.29 2.18 0.00	41.80 2.11 0.00	24.95 1.28 0.00	16.00 0.76 0.00	13.25 0.64 0.00	15.21 0.72 0.00	22.90 1.08 0.00	26.27 1.34 0.00	15.13 0.87 0.00	20.13 1.07 0.00	21.81 0.96 0.00	33.86 1.45 0.00	32.17 1.38 0.00	34.17 1.63 0.00	32.93 1.56 0.00	37.09 1.45 0.00	31.54 1.12 0.00	26.83 0.91 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	21.63 0.94 0.00	18.33 0.68 0.00	18.26 0.64 0.00	19.82 0.67 0.00	17.48 0.62 0.00	18.12 0.65 0.00	44.68 1.58 0.00	41.21 1.52 0.00	24.58 0.91 0.00	15.79 0.55 0.00	13.07 0.45 0.00	14.99 0.50 0.00	22.56 0.75 0.00	25.90 0.96 0.00	14.86 0.60 0.00	19.77 0.71 0.00	21.54 0.68 0.00	33.39 0.98 0.00	31.72 0.92 0.00	33.71 1.17 0.00	32.47 1.10 0.00	36.60 0.96 0.00	31.12 0.70 0.00	26.48 0.56 0.00
SWANROAD_115KV_TB1 355699	19.10 -1.59 0.00	16.57 -1.08 0.00	16.32 -1.30 0.00	17.85 -1.31 0.00	15.68 -1.18 0.00	16.25 -1.22 0.00	39.83 -3.27 0.00	36.35 -3.34 0.00	21.88 -1.79 0.00	13.96 -1.28 0.00	11.45 -1.16 0.00	13.20 -1.29 0.00	19.72 -2.10 0.00	22.32 -2.61 0.00	12.63 -1.62 0.00	17.03 -2.03 0.00	18.54 -2.32 0.00	28.73 -3.68 0.00	27.15 -3.64 0.00	29.16 -3.38 0.00	28.56 -2.82 0.00	32.02 -3.62 0.00	28.11 -2.31 0.00	24.37 -1.55 0.00
SYNERGY____BIOGAS 323694	20.00 -0.69 0.00	17.27 -0.38 0.00	17.02 -0.59 0.00	18.60 -0.55 0.00	16.35 -0.51 0.00	16.97 -0.50 0.00	41.70 -1.41 0.00	38.14 -1.55 0.00	22.96 -0.71 0.00	14.72 -0.52 0.00	11.99 -0.62 0.00	13.84 -0.65 0.00	20.65 -1.17 0.00	23.31 -1.63 0.00	13.32 -0.93 0.00	17.99 -1.07 0.00	19.57 -1.29 0.00	30.43 -1.98 0.00	28.67 -2.12 0.00	30.85 -1.69 0.00	30.21 -1.17 0.00	33.87 -1.77 0.00	29.47 -0.95 0.00	25.42 -0.50 0.00



SYRACUSE___ENERGY_ST1 323597	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
SYRACUSE___ENERGY_ST2 323598	20.42 -0.27 0.00	17.43 -0.22 0.00	17.34 -0.27 0.00	18.87 -0.28 0.00	16.64 -0.22 0.00	17.25 -0.22 0.00	42.62 -0.48 0.00	39.21 -0.48 0.00	23.43 -0.24 0.00	15.08 -0.16 0.00	12.47 -0.14 0.00	14.30 -0.19 0.00	21.47 -0.34 0.00	24.52 -0.41 0.00	14.00 -0.26 0.00	18.85 -0.22 0.00	20.57 -0.29 0.00	31.93 -0.48 0.00	30.28 -0.51 0.00	32.17 -0.37 0.00	31.11 -0.26 0.00	35.13 -0.51 0.00	30.03 -0.39 0.00	25.63 -0.29 0.00
SYRACUSE___POWER 24017	20.46 -0.24 0.00	17.45 -0.19 0.00	17.37 -0.25 0.00	18.91 -0.24 0.00	16.67 -0.19 0.00	17.27 -0.20 0.00	42.68 -0.42 0.00	39.24 -0.45 0.00	23.46 -0.21 0.00	15.10 -0.14 0.00	12.49 -0.12 0.00	14.33 -0.16 0.00	21.50 -0.31 0.00	24.56 -0.37 0.00	14.03 -0.23 0.00	18.87 -0.19 0.00	20.60 -0.26 0.00	32.01 -0.40 0.00	30.35 -0.44 0.00	32.24 -0.31 0.00	31.17 -0.20 0.00	35.19 -0.45 0.00	30.09 -0.33 0.00	25.67 -0.25 0.00
TALLMAN___138KV_BK151 55660	21.76 1.07 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.91 0.76 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.92 1.81 0.00	41.46 1.77 0.00	24.73 1.06 0.00	15.88 0.65 0.00	13.13 0.52 0.00	15.06 0.57 0.00	22.66 0.84 0.00	26.04 1.11 0.00	14.95 0.70 0.00	19.86 0.81 0.00	21.66 0.80 0.00	33.53 1.12 0.00	31.82 1.03 0.00	33.84 1.29 0.00	32.59 1.22 0.00	36.72 1.08 0.00	31.21 0.79 0.00	26.57 0.65 0.00
TEALLAVE_115KV_TB7 355573	20.31 -0.39 0.00	17.33 -0.32 0.00	17.25 -0.36 0.00	18.78 -0.37 0.00	16.55 -0.31 0.00	17.15 -0.32 0.00	42.35 -0.75 0.00	38.93 -0.76 0.00	23.28 -0.40 0.00	14.99 -0.25 0.00	12.39 -0.22 0.00	14.22 -0.27 0.00	21.35 -0.47 0.00	24.38 -0.56 0.00	13.92 -0.34 0.00	18.72 -0.34 0.00	20.43 -0.43 0.00	31.73 -0.68 0.00	30.08 -0.71 0.00	31.96 -0.59 0.00	30.91 -0.46 0.00	34.90 -0.74 0.00	29.84 -0.57 0.00	25.47 -0.45 0.00
TELGRAPH_34_KV_EAST 80808	19.59 -1.10 0.00	16.95 -0.70 0.00	16.70 -0.92 0.00	18.26 -0.89 0.00	16.05 -0.81 0.00	16.64 -0.83 0.00	40.84 -2.26 0.00	37.33 -2.37 0.00	22.48 -1.20 0.00	14.37 -0.87 0.00	11.76 -0.85 0.00	13.55 -0.94 0.00	20.23 -1.59 0.00	22.86 -2.07 0.00	12.98 -1.27 0.00	17.53 -1.53 0.00	19.08 -1.78 0.00	29.58 -2.83 0.00	27.96 -2.83 0.00	30.06 -2.48 0.00	29.44 -1.94 0.00	33.01 -2.63 0.00	28.85 -1.57 0.00	24.95 -0.97 0.00
TEMPLE___115KV_TB 2 55572	20.33 -0.37 0.00	17.35 -0.30 0.00	17.26 -0.36 0.00	18.78 -0.37 0.00	16.56 -0.30 0.00	17.16 -0.31 0.00	42.38 -0.72 0.00	38.97 -0.73 0.00	23.30 -0.37 0.00	14.99 -0.25 0.00	12.40 -0.21 0.00	14.23 -0.26 0.00	21.36 -0.46 0.00	24.39 -0.54 0.00	13.92 -0.33 0.00	18.73 -0.33 0.00	20.45 -0.41 0.00	31.74 -0.67 0.00	30.09 -0.70 0.00	31.98 -0.57 0.00	30.92 -0.45 0.00	34.91 -0.73 0.00	29.86 -0.56 0.00	25.49 -0.43 0.00
TIANA____69_KV_BK 1 55817	22.62 1.93 0.00	19.09 1.44 0.00	19.05 1.44 0.00	20.65 1.49 0.00	18.22 1.36 0.00	19.01 1.54 0.00	46.67 3.57 0.00	42.73 3.03 0.00	25.71 2.03 0.00	16.47 1.23 0.00	13.52 0.91 0.00	15.41 0.92 0.00	23.39 1.58 0.00	31.28 2.41 -3.94	19.37 1.25 -3.87	20.38 1.32 0.00	22.07 1.21 0.00	33.67 1.26 0.00	31.78 0.99 0.00	34.00 1.46 0.00	32.83 1.46 0.00	37.42 1.78 0.00	32.11 1.69 0.00	27.24 1.32 0.00
TILDEN___115KV_TB1 80814	20.46 -0.24 0.00	17.45 -0.19 0.00	17.37 -0.25 0.00	18.91 -0.24 0.00	16.67 -0.19 0.00	17.27 -0.20 0.00	42.68 -0.42 0.00	39.24 -0.45 0.00	23.46 -0.21 0.00	15.10 -0.14 0.00	12.49 -0.12 0.00	14.33 -0.16 0.00	21.50 -0.31 0.00	24.56 -0.37 0.00	14.03 -0.23 0.00	18.87 -0.19 0.00	20.60 -0.26 0.00	32.01 -0.40 0.00	30.35 -0.44 0.00	32.24 -0.31 0.00	31.17 -0.20 0.00	35.19 -0.45 0.00	30.09 -0.33 0.00	25.67 -0.25 0.00
TRIGEN___CC 323695	22.06 1.36 0.00	18.69 1.05 0.00	18.61 0.99 0.00	20.16 1.01 0.00	17.79 0.93 0.00	18.47 1.00 0.00	45.51 2.41 0.00	41.65 1.96 0.00	25.07 1.40 0.00	16.11 0.87 0.00	13.30 0.69 0.00	15.18 0.68 0.00	22.95 1.14 0.00	30.82 1.60 -4.28	19.09 0.89 -3.94	20.05 0.99 0.00	21.81 0.95 0.00	33.55 1.14 0.00	31.80 1.01 0.00	33.89 1.35 0.00	32.66 1.28 0.00	36.92 1.28 0.00	31.46 1.04 0.00	26.79 0.87 0.00
TRINITY___115KV__4 BK 55933	20.97 0.28 0.00	17.82 0.17 0.00	17.84 0.23 0.00	19.38 0.22 0.00	17.04 0.18 0.00	17.64 0.17 0.00	43.53 0.42 0.00	40.08 0.39 0.00	23.77 0.10 0.00	15.34 0.09 0.00	12.77 0.16 0.00	14.71 0.22 0.00	22.09 0.28 0.00	25.25 0.31 0.00	14.55 0.30 0.00	19.42 0.36 0.00	21.12 0.27 0.00	32.81 0.40 0.00	31.14 0.35 0.00	32.96 0.42 0.00	31.73 0.35 0.00	35.87 0.23 0.00	30.49 0.07 0.00	25.88 -0.04 0.00
UNION___PROCESSING_DRP 323587	19.95 -0.75 0.00	17.16 -0.49 0.00	16.97 -0.64 0.00	18.52 -0.63 0.00	16.29 -0.57 0.00	16.89 -0.58 0.00	41.57 -1.54 0.00	38.10 -1.59 0.00	22.87 -0.80 0.00	14.68 -0.56 0.00	12.06 -0.55 0.00	13.87 -0.62 0.00	20.80 -1.02 0.00	23.59 -1.35 0.00	13.44 -0.81 0.00	18.15 -0.91 0.00	19.75 -1.11 0.00	30.65 -1.77 0.00	28.98 -1.82 0.00	30.99 -1.56 0.00	30.18 -1.20 0.00	33.94 -1.70 0.00	29.35 -1.06 0.00	25.23 -0.69 0.00
UPPER HUDSON___HYD 24058	21.33 0.64 0.00	18.14 0.49 0.00	18.16 0.55 0.00	19.74 0.59 0.00	17.31 0.45 0.00	17.99 0.52 0.00	44.45 1.34 0.00	41.02 1.33 0.00	24.23 0.56 0.00	15.62 0.38 0.00	13.01 0.40 0.00	15.02 0.53 0.00	22.73 0.92 0.00	25.91 0.98 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.63 0.77 0.00	33.87 1.46 0.00	32.08 1.29 0.00	33.93 1.39 0.00	32.74 1.36 0.00	36.93 1.29 0.00	31.24 0.83 0.00	26.41 0.49 0.00
UPPER RAQUET___HYD 24056	25.84 -0.45 -5.60	22.59 -0.30 -5.24	22.55 -0.30 -5.24	24.29 -0.31 -5.44	18.26 -0.30 -1.70	17.08 -0.39 0.00	42.04 -1.06 0.00	38.63 -1.06 0.00	23.10 -0.58 0.00	14.93 -0.31 0.00	12.34 -0.27 0.00	14.22 -0.28 0.00	21.73 -0.09 0.00	24.96 0.03 0.00	14.20 -0.05 0.00	18.71 -0.35 0.00	20.59 -0.27 0.00	32.13 -0.28 0.00	30.64 -0.15 0.00	32.18 -0.36 0.00	31.03 -0.34 0.00	35.76 0.12 0.00	30.58 0.16 0.00	26.03 0.11 0.00
VALLEY44_115KV_TB2 355964	20.34 -0.36 0.00	17.44 -0.21 0.00	17.20 -0.41 0.00	18.79 -0.36 0.00	16.63 -0.23 0.00	17.23 -0.24 0.00	42.58 -0.53 0.00	38.97 -0.72 0.00	23.38 -0.29 0.00	14.95 -0.29 0.00	12.25 -0.36 0.00	14.09 -0.40 0.00	21.10 -0.72 0.00	23.96 -0.97 0.00	13.60 -0.65 0.00	18.42 -0.64 0.00	19.90 -0.95 0.00	30.87 -1.54 0.00	29.04 -1.76 0.00	31.37 -1.17 0.00	30.63 -0.75 0.00	34.31 -1.33 0.00	29.88 -0.53 0.00	25.84 -0.08 0.00



VALLEY___115KV_TB 1-4 80826	20.36 -0.33 0.00	17.31 -0.34 0.00	17.31 -0.31 0.00	18.85 -0.30 0.00	16.65 -0.21 0.00	17.32 -0.15 0.00	42.88 -0.23 0.00	39.54 -0.15 0.00	23.55 -0.12 0.00	15.17 -0.07 0.00	12.58 -0.03 0.00	14.47 -0.02 0.00	21.84 0.03 0.00	24.94 0.00 0.00	14.29 0.03 0.00	19.13 0.07 0.00	20.81 -0.05 0.00	32.37 -0.04 0.00	30.80 0.01 0.00	32.61 0.07 0.00	31.42 0.05 0.00	35.53 -0.11 0.00	30.17 -0.25 0.00	25.58 -0.34 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	21.31 0.61 0.00	18.12 0.48 0.00	18.05 0.43 0.00	19.67 0.51 0.00	17.37 0.51 0.00	18.02 0.55 0.00	44.55 1.44 0.00	40.99 1.30 0.00	24.55 0.88 0.00	15.78 0.54 0.00	13.04 0.43 0.00	14.96 0.47 0.00	22.42 0.61 0.00	25.60 0.67 0.00	14.60 0.35 0.00	19.58 0.52 0.00	21.40 0.54 0.00	33.19 0.78 0.00	31.54 0.76 0.00	33.50 0.95 0.00	32.36 0.98 0.00	36.49 0.85 0.00	31.19 0.77 0.00	26.60 0.68 0.00
VISCHER___FERRY HYD 24020	21.27 0.57 0.00	18.08 0.43 0.00	18.10 0.49 0.00	19.66 0.51 0.00	17.26 0.40 0.00	17.90 0.43 0.00	44.17 1.07 0.00	40.68 0.99 0.00	24.03 0.36 0.00	15.47 0.22 0.00	12.87 0.26 0.00	14.86 0.36 0.00	22.41 0.59 0.00	25.63 0.70 0.00	14.75 0.50 0.00	19.75 0.69 0.00	21.46 0.60 0.00	33.39 0.98 0.00	31.64 0.85 0.00	33.51 0.96 0.00	32.25 0.88 0.00	36.49 0.85 0.00	30.98 0.56 0.00	26.24 0.32 0.00
V_A_10_SYNC_DSASP 323832	19.50 -1.19 0.00	16.85 -0.80 0.00	16.63 -0.99 0.00	18.17 -0.98 0.00	15.97 -0.89 0.00	16.55 -0.92 0.00	40.67 -2.43 0.00	37.21 -2.49 0.00	22.33 -1.34 0.00	14.30 -0.94 0.00	11.75 -0.86 0.00	13.54 -0.95 0.00	20.26 -1.56 0.00	22.97 -1.96 0.00	13.03 -1.23 0.00	17.59 -1.47 0.00	19.11 -1.75 0.00	29.64 -2.78 0.00	27.99 -2.81 0.00	30.00 -2.54 0.00	29.29 -2.09 0.00	32.90 -2.74 0.00	28.67 -1.75 0.00	24.78 -1.14 0.00
V_CMM_10_SYNC_DSASP 323787	20.56 -0.13 0.00	17.62 -0.03 0.00	17.57 -0.05 0.00	19.10 -0.05 0.00	16.79 -0.07 0.00	17.42 -0.05 0.00	42.99 -0.11 0.00	39.59 -0.10 0.00	23.65 -0.02 0.00	15.25 0.00 0.00	12.58 -0.03 0.00	14.46 -0.03 0.00	21.84 0.02 0.00	24.97 0.04 0.00	14.23 -0.03 0.00	18.94 -0.12 0.00	20.89 0.03 0.00	32.56 0.15 0.00	31.01 0.22 0.00	32.59 0.04 0.00	31.42 0.04 0.00	36.00 0.36 0.00	30.79 0.37 0.00	26.26 0.34 0.00
V_CMP_10_SYNC_DSASP 323788	-20.61 -0.92 40.39	-20.77 -0.66 37.76	-20.76 -0.63 37.74	-20.77 -0.65 39.27	4.00 -0.63 12.24	17.29 -0.18 0.00	43.43 0.32 0.00	40.92 1.22 0.00	24.47 0.80 0.00	15.71 0.46 0.00	12.98 0.36 0.00	14.74 0.24 0.00	22.34 0.52 0.00	25.89 0.96 0.00	15.07 0.82 0.00	20.04 0.98 0.00	21.99 1.13 0.00	34.53 2.12 0.00	32.82 2.03 0.00	34.75 2.20 0.00	33.42 2.04 0.00	37.97 2.33 0.00	32.30 1.88 0.00	27.28 1.36 0.00
V_D_10_SYNC_DSASP 323841	21.61 -0.05 -0.97	18.60 0.05 -0.90	18.54 0.03 -0.90	20.13 0.04 -0.94	17.15 0.00 -0.29	17.48 0.01 0.00	43.10 0.00 0.00	39.69 0.00 0.00	23.69 0.02 0.00	15.28 0.04 0.00	12.61 0.00 0.00	14.51 0.02 0.00	21.94 0.13 0.00	25.12 0.19 0.00	14.31 0.05 0.00	19.02 -0.04 0.00	20.97 0.11 0.00	32.69 0.28 0.00	31.14 0.35 0.00	32.72 0.17 0.00	31.56 0.18 0.00	36.18 0.54 0.00	30.95 0.53 0.00	26.40 0.47 0.00
V_E_10_SYNC_DSASP 323830	21.21 0.52 0.00	18.05 0.40 0.00	18.06 0.45 0.00	19.90 0.75 0.00	17.68 0.82 0.00	18.49 1.02 0.00	45.89 2.79 0.00	42.07 2.38 0.00	25.34 1.67 0.00	16.32 1.08 0.00	13.51 0.90 0.00	15.42 0.93 0.00	22.73 0.91 0.00	25.79 0.86 0.00	14.54 0.29 0.00	19.89 0.83 0.00	21.81 0.95 0.00	33.74 1.33 0.00	32.61 1.82 0.00	34.62 2.08 0.00	33.59 2.21 0.00	37.55 1.91 0.00	32.38 1.96 0.00	27.56 1.64 0.00
V_F_30_NSYNC___DSASP 323816	21.47 0.78 0.00	18.26 0.61 0.00	18.28 0.66 0.00	19.87 0.71 0.00	17.45 0.58 0.00	18.09 0.62 0.00	44.67 1.57 0.00	41.16 1.47 0.00	24.33 0.66 0.00	15.67 0.43 0.00	13.04 0.43 0.00	15.05 0.56 0.00	22.73 0.91 0.00	25.95 1.02 0.00	14.94 0.68 0.00	20.02 0.96 0.00	21.73 0.87 0.00	33.86 1.45 0.00	32.08 1.29 0.00	33.98 1.43 0.00	32.72 1.35 0.00	36.96 1.33 0.00	31.36 0.94 0.00	26.57 0.65 0.00
V_F_30_SYNC_DSASP 323786	21.10 0.41 0.00	17.93 0.28 0.00	17.95 0.33 0.00	19.49 0.34 0.00	17.14 0.28 0.00	17.75 0.27 0.00	43.79 0.69 0.00	40.32 0.63 0.00	23.92 0.25 0.00	15.43 0.19 0.00	12.85 0.24 0.00	14.81 0.31 0.00	22.24 0.42 0.00	25.41 0.47 0.00	14.65 0.39 0.00	19.54 0.48 0.00	21.27 0.41 0.00	33.04 0.63 0.00	31.35 0.56 0.00	33.19 0.65 0.00	31.95 0.58 0.00	36.11 0.48 0.00	30.69 0.27 0.00	26.04 0.13 0.00
V_XM_10_SYNC_DSASP 323789	-20.61 -0.92 40.39	-20.77 -0.66 37.76	-20.76 -0.63 37.74	-20.77 -0.65 39.27	4.00 -0.63 12.24	17.29 -0.18 0.00	43.43 0.32 0.00	40.92 1.22 0.00	24.47 0.80 0.00	15.71 0.46 0.00	12.98 0.36 0.00	14.74 0.24 0.00	22.34 0.52 0.00	25.89 0.96 0.00	15.07 0.82 0.00	20.04 0.98 0.00	21.99 1.13 0.00	34.53 2.12 0.00	32.82 2.03 0.00	34.75 2.20 0.00	33.42 2.04 0.00	37.97 2.33 0.00	32.30 1.88 0.00	27.28 1.36 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	21.83 1.14 0.00	18.47 0.83 0.00	18.40 0.79 0.00	19.97 0.82 0.00	17.62 0.76 0.00	18.26 0.79 0.00	45.05 1.95 0.00	41.58 1.89 0.00	24.81 1.14 0.00	15.93 0.69 0.00	13.18 0.56 0.00	15.11 0.62 0.00	22.74 0.92 0.00	26.13 1.20 0.00	15.00 0.74 0.00	19.94 0.88 0.00	21.73 0.87 0.00	33.65 1.24 0.00	31.94 1.15 0.00	33.96 1.41 0.00	32.72 1.34 0.00	36.85 1.21 0.00	31.32 0.91 0.00	26.66 0.74 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.09 1.40 0.00	18.73 1.08 0.00	18.62 1.00 0.00	20.21 1.06 0.00	17.82 0.95 0.00	18.46 0.99 0.00	45.46 2.36 0.00	41.92 2.23 0.00	25.08 1.41 0.00	17.71 0.88 -1.59	13.68 0.74 -0.32	15.28 0.79 0.00	23.00 1.19 0.00	26.45 1.52 0.00	15.17 0.91 0.00	20.15 1.09 0.00	21.92 1.07 0.00	33.85 1.44 0.00	32.14 1.35 0.00	34.19 1.64 0.00	32.91 1.54 0.00	37.04 1.40 0.00	31.53 1.12 0.00	26.87 0.95 0.00
W50THST__13_KV_LOAD 356117	22.21 1.51 0.00	18.83 1.18 0.00	18.71 1.10 0.00	20.30 1.15 0.00	17.91 1.05 0.00	18.54 1.08 0.00	45.68 2.58 0.00	42.14 2.44 0.00	25.22 1.55 0.00	17.80 0.97 -1.59	13.75 0.82 -0.32	15.37 0.88 0.00	23.14 1.32 0.00	26.60 1.67 0.00	15.25 1.00 0.00	20.27 1.21 0.00	22.05 1.19 0.00	34.05 1.64 0.00	32.32 1.53 0.00	34.38 1.83 0.00	33.11 1.73 0.00	37.24 1.60 0.00	31.71 1.29 0.00	27.02 1.10 0.00
WADING RIVER_IC_1 23522	22.55 1.86 0.00	19.02 1.38 0.00	19.01 1.40 0.00	20.59 1.44 0.00	18.18 1.31 0.00	18.97 1.50 0.00	46.53 3.42 0.00	42.61 2.92 0.00	25.66 1.98 0.00	16.44 1.20 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.36 1.55 0.00	31.22 2.34 -3.94	19.35 1.23 -3.87	20.35 1.30 0.00	22.00 1.14 0.00	33.49 1.07 0.00	31.53 0.74 0.00	33.71 1.17 0.00	32.55 1.18 0.00	37.17 1.54 0.00	31.98 1.57 0.00	27.11 1.20 0.00



WADING RIVER_IC_2 23547	22.55 1.86 0.00	19.02 1.38 0.00	19.01 1.40 0.00	20.59 1.44 0.00	18.18 1.31 0.00	18.97 1.50 0.00	46.53 3.42 0.00	42.61 2.92 0.00	25.66 1.98 0.00	16.44 1.20 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.36 1.55 0.00	31.22 2.34 -3.94	19.35 1.23 -3.87	20.35 1.30 0.00	22.00 1.14 0.00	33.49 1.07 0.00	31.53 0.74 0.00	33.71 1.17 0.00	32.55 1.18 0.00	37.17 1.54 0.00	31.98 1.57 0.00	27.11 1.20 0.00
WADING RIVER_IC_3 23601	22.55 1.86 0.00	19.02 1.38 0.00	19.01 1.40 0.00	20.59 1.44 0.00	18.18 1.31 0.00	18.97 1.50 0.00	46.53 3.42 0.00	42.61 2.92 0.00	25.66 1.98 0.00	16.44 1.20 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.36 1.55 0.00	31.22 2.34 -3.94	19.35 1.23 -3.87	20.35 1.30 0.00	22.00 1.14 0.00	33.49 1.07 0.00	31.53 0.74 0.00	33.71 1.17 0.00	32.55 1.18 0.00	37.17 1.54 0.00	31.98 1.57 0.00	27.11 1.20 0.00
WALDENNY_I2_KV_BK2 80841	19.71 -0.98 0.00	17.02 -0.62 0.00	16.76 -0.85 0.00	18.33 -0.82 0.00	16.16 -0.70 0.00	16.76 -0.71 0.00	41.22 -1.88 0.00	37.63 -2.06 0.00	22.67 -1.00 0.00	14.46 -0.78 0.00	11.83 -0.78 0.00	13.62 -0.88 0.00	20.33 -1.49 0.00	23.03 -1.91 0.00	13.04 -1.21 0.00	17.61 -1.45 0.00	19.13 -1.73 0.00	29.78 -2.63 0.00	28.17 -2.63 0.00	30.33 -2.22 0.00	29.68 -1.70 0.00	33.28 -2.36 0.00	29.11 -1.30 0.00	25.17 -0.75 0.00
WALDEN___HYDRO 24148	21.86 1.17 0.00	18.53 0.88 0.00	18.45 0.84 0.00	20.03 0.88 0.00	17.67 0.80 0.00	18.32 0.85 0.00	45.16 2.06 0.00	41.65 1.96 0.00	24.82 1.15 0.00	15.93 0.69 0.00	13.18 0.57 0.00	15.17 0.68 0.00	22.81 1.00 0.00	26.16 1.23 0.00	15.01 0.75 0.00	19.98 0.92 0.00	21.71 0.86 0.00	33.79 1.38 0.00	32.13 1.34 0.00	34.15 1.61 0.00	32.91 1.54 0.00	37.08 1.44 0.00	31.49 1.08 0.00	26.78 0.86 0.00
WARRENSBURG___ 23737	21.33 0.64 0.00	18.14 0.49 0.00	18.16 0.55 0.00	19.74 0.59 0.00	17.31 0.45 0.00	17.99 0.52 0.00	44.45 1.34 0.00	41.02 1.33 0.00	24.23 0.56 0.00	15.62 0.38 0.00	13.01 0.40 0.00	15.02 0.53 0.00	22.73 0.92 0.00	25.91 0.98 0.00	14.94 0.69 0.00	20.02 0.96 0.00	21.63 0.77 0.00	33.87 1.46 0.00	32.08 1.29 0.00	33.93 1.39 0.00	32.74 1.36 0.00	36.93 1.29 0.00	31.24 0.83 0.00	26.41 0.49 0.00
WATERSIDE___6 8 9 23538	22.07 1.38 0.00	18.71 1.06 0.00	18.60 0.99 0.00	20.17 1.02 0.00	17.81 0.95 0.00	18.44 0.97 0.00	45.36 2.26 0.00	41.87 2.18 0.00	25.04 1.37 0.00	17.72 0.85 -1.62	13.67 0.73 -0.33	15.27 0.78 0.00	22.98 1.16 0.00	26.44 1.51 0.00	15.17 0.91 0.00	20.12 1.06 0.00	21.91 1.05 0.00	33.83 1.42 0.00	32.12 1.33 0.00	34.11 1.57 0.00	32.89 1.51 0.00	37.02 1.38 0.00	31.53 1.11 0.00	26.87 0.95 0.00
WATKINRD_115KV_LN8_ILLION 55919	20.62 -0.08 0.00	17.53 -0.11 0.00	17.52 -0.09 0.00	19.06 -0.09 0.00	16.81 -0.05 0.00	17.44 -0.04 0.00	43.07 -0.03 0.00	39.70 0.01 0.00	23.64 -0.03 0.00	15.22 -0.03 0.00	12.63 0.02 0.00	14.53 0.03 0.00	21.88 0.06 0.00	24.99 0.06 0.00	14.33 0.07 0.00	19.18 0.12 0.00	20.90 0.04 0.00	32.48 0.07 0.00	30.87 0.08 0.00	32.68 0.14 0.00	31.49 0.11 0.00	35.62 -0.02 0.00	30.29 -0.13 0.00	25.73 -0.19 0.00
WATSON___69_KV_BK 1 55734	22.57 1.88 0.00	19.10 1.45 0.00	19.02 1.41 0.00	20.61 1.46 0.00	18.18 1.32 0.00	18.92 1.46 0.00	46.53 3.43 0.00	42.51 2.82 0.00	25.61 1.94 0.00	16.42 1.18 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.34 1.52 0.00	31.17 2.29 -3.96	19.34 1.22 -3.87	20.35 1.29 0.00	22.12 1.26 0.00	33.95 1.54 0.00	32.15 1.36 0.00	34.37 1.82 0.00	33.17 1.79 0.00	37.62 1.98 0.00	32.11 1.70 0.00	27.33 1.42 0.00
WDELAWARE___HYD 323627	22.13 1.43 0.00	18.76 1.11 0.00	18.67 1.06 0.00	20.28 1.13 0.00	17.89 1.02 0.00	18.54 1.07 0.00	45.72 2.62 0.00	42.18 2.49 0.00	25.14 1.47 0.00	16.11 0.86 0.00	13.29 0.68 0.00	15.34 0.85 0.00	23.03 1.22 0.00	26.31 1.37 0.00	15.17 0.92 0.00	20.22 1.16 0.00	21.85 1.00 0.00	34.18 1.77 0.00	32.44 1.65 0.00	34.51 1.97 0.00	33.29 1.92 0.00	37.49 1.85 0.00	31.87 1.45 0.00	27.09 1.17 0.00
WEST BABYLON___IC 23714	22.46 1.77 0.00	19.02 1.37 0.00	18.93 1.31 0.00	20.51 1.35 0.00	18.09 1.23 0.00	18.82 1.35 0.00	46.30 3.20 0.00	42.29 2.60 0.00	25.48 1.81 0.00	16.35 1.10 0.00	13.46 0.85 0.00	15.34 0.84 0.00	23.24 1.42 0.00	31.05 2.12 -3.99	19.28 1.15 -3.88	20.27 1.21 0.00	22.04 1.18 0.00	33.86 1.46 0.00	32.10 1.30 0.00	34.28 1.74 0.00	33.08 1.70 0.00	37.47 1.83 0.00	31.98 1.56 0.00	27.22 1.30 0.00
WEST CANADA___HYD 24049	20.76 0.06 0.00	17.68 0.03 0.00	17.66 0.05 0.00	19.21 0.06 0.00	16.91 0.05 0.00	17.51 0.04 0.00	43.21 0.10 0.00	39.81 0.12 0.00	23.72 0.05 0.00	15.27 0.03 0.00	12.65 0.04 0.00	14.54 0.05 0.00	21.90 0.08 0.00	25.03 0.10 0.00	14.34 0.08 0.00	19.17 0.11 0.00	20.92 0.06 0.00	32.52 0.11 0.00	30.89 0.09 0.00	32.68 0.13 0.00	31.50 0.12 0.00	35.70 0.06 0.00	30.42 0.01 0.00	25.90 -0.02 0.00
WESTERN_NY_WIND 24143	19.97 -0.73 0.00	17.24 -0.40 0.00	16.99 -0.62 0.00	18.58 -0.58 0.00	16.33 -0.53 0.00	16.94 -0.53 0.00	41.63 -1.47 0.00	38.09 -1.61 0.00	22.94 -0.73 0.00	14.69 -0.55 0.00	11.97 -0.64 0.00	13.82 -0.67 0.00	20.62 -1.20 0.00	23.27 -1.66 0.00	13.30 -0.96 0.00	17.95 -1.11 0.00	19.53 -1.33 0.00	30.36 -2.05 0.00	28.62 -2.18 0.00	30.80 -1.74 0.00	30.16 -1.21 0.00	33.81 -1.83 0.00	29.42 -0.99 0.00	25.39 -0.53 0.00
WESTOVER___LESR 323668	20.57 -0.12 0.00	17.53 -0.12 0.00	17.43 -0.18 0.00	19.01 -0.14 0.00	16.80 -0.06 0.00	17.41 -0.06 0.00	43.15 0.04 0.00	39.61 -0.08 0.00	23.75 0.08 0.00	15.23 -0.01 0.00	12.59 -0.02 0.00	14.43 -0.06 0.00	21.59 -0.23 0.00	24.68 -0.26 0.00	14.07 -0.18 0.00	18.94 -0.13 0.00	20.60 -0.26 0.00	31.97 -0.45 0.00	30.31 -0.48 0.00	32.34 -0.21 0.00	31.32 -0.05 0.00	35.28 -0.36 0.00	30.28 -0.14 0.00	25.89 -0.03 0.00
WETHRSFD_WT_PWR 323626	19.50 -1.19 0.00	16.79 -0.85 0.00	16.53 -1.08 0.00	18.04 -1.11 0.00	16.05 -0.81 0.00	16.74 -0.73 0.00	41.37 -1.74 0.00	37.83 -1.86 0.00	22.75 -0.92 0.00	14.51 -0.73 0.00	11.76 -0.85 0.00	13.43 -1.06 0.00	20.07 -1.74 0.00	22.65 -2.28 0.00	12.82 -1.43 0.00	17.39 -1.67 0.00	18.87 -1.99 0.00	29.53 -2.88 0.00	28.08 -2.72 0.00	30.41 -2.13 0.00	29.91 -1.47 0.00	33.54 -2.10 0.00	29.25 -1.16 0.00	25.20 -0.72 0.00
WHAVESTOR_138KV_BK127 55557	21.75 1.06 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.90 0.75 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.91 1.80 0.00	41.43 1.74 0.00	24.72 1.05 0.00	15.88 0.64 0.00	13.13 0.52 0.00	15.05 0.56 0.00	22.65 0.84 0.00	26.04 1.10 0.00	14.95 0.69 0.00	19.86 0.81 0.00	21.64 0.79 0.00	33.51 1.09 0.00	31.81 1.02 0.00	33.81 1.27 0.00	32.57 1.19 0.00	36.70 1.06 0.00	31.20 0.78 0.00	26.56 0.64 0.00



WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	21.75 1.06 0.00	18.42 0.77 0.00	18.34 0.72 0.00	19.90 0.75 0.00	17.56 0.70 0.00	18.20 0.73 0.00	44.91 1.80 0.00	41.43 1.74 0.00	24.72 1.05 0.00	15.88 0.64 0.00	13.13 0.52 0.00	15.05 0.56 0.00	22.65 0.84 0.00	26.04 1.10 0.00	14.95 0.69 0.00	19.86 0.81 0.00	21.64 0.79 0.00	33.51 1.09 0.00	31.81 1.02 0.00	33.81 1.27 0.00	32.57 1.19 0.00	36.70 1.06 0.00	31.20 0.78 0.00	26.56 0.64 0.00
WHITEHAL_115KV_TB1 80871	21.62 0.93 0.00	18.40 0.75 0.00	18.46 0.84 0.00	20.07 0.91 0.00	17.45 0.59 0.00	18.30 0.83 0.00	45.28 2.17 0.00	41.78 2.09 0.00	24.31 0.64 0.00	15.69 0.45 0.00	13.24 0.63 0.00	15.26 0.76 0.00	23.38 1.57 0.00	26.67 1.73 0.00	15.36 1.11 0.00	20.57 1.50 0.00	21.88 1.02 0.00	34.65 2.24 0.00	32.79 2.00 0.00	34.74 2.19 0.00	33.63 2.26 0.00	37.85 2.21 0.00	31.96 1.54 0.00	26.68 0.76 0.00
WHITEPLN_13_KV_LOAD 356215	22.07 1.37 0.00	18.70 1.05 0.00	18.62 1.00 0.00	20.21 1.05 0.00	17.81 0.95 0.00	18.46 0.99 0.00	45.49 2.38 0.00	41.95 2.26 0.00	25.04 1.37 0.00	16.09 0.85 0.00	13.33 0.72 0.00	15.27 0.78 0.00	23.01 1.20 0.00	26.46 1.53 0.00	15.17 0.91 0.00	20.17 1.11 0.00	21.94 1.09 0.00	33.96 1.56 0.00	32.27 1.48 0.00	34.31 1.76 0.00	33.04 1.67 0.00	37.22 1.58 0.00	31.65 1.24 0.00	26.93 1.01 0.00
WM_FLOYD_69_KV_BK2 356380	22.60 1.91 0.00	19.09 1.45 0.00	19.05 1.44 0.00	20.64 1.48 0.00	18.21 1.35 0.00	18.99 1.52 0.00	46.62 3.52 0.00	42.65 2.96 0.00	25.66 1.99 0.00	16.44 1.20 0.00	13.51 0.90 0.00	15.40 0.90 0.00	23.36 1.54 0.00	31.22 2.35 -3.94	19.36 1.24 -3.87	20.35 1.29 0.00	22.06 1.20 0.00	33.74 1.33 0.00	31.85 1.07 0.00	34.08 1.53 0.00	32.91 1.53 0.00	37.45 1.81 0.00	32.11 1.69 0.00	27.26 1.35 0.00
WOODARD__115KV_TB2 355635	20.27 -0.42 0.00	17.29 -0.35 0.00	17.22 -0.40 0.00	18.74 -0.41 0.00	16.52 -0.34 0.00	17.12 -0.36 0.00	42.26 -0.84 0.00	38.87 -0.83 0.00	23.23 -0.44 0.00	14.96 -0.28 0.00	12.37 -0.24 0.00	14.19 -0.30 0.00	21.31 -0.51 0.00	24.35 -0.59 0.00	13.90 -0.36 0.00	18.69 -0.37 0.00	20.40 -0.46 0.00	31.68 -0.73 0.00	30.03 -0.76 0.00	31.90 -0.64 0.00	30.85 -0.53 0.00	34.84 -0.80 0.00	29.78 -0.63 0.00	25.42 -0.50 0.00
YORK___WARBASSE 23770	22.09 1.39 0.00	18.70 1.06 0.00	18.60 0.98 0.00	20.17 1.01 0.00	17.80 0.94 0.00	18.43 0.96 0.00	45.37 2.26 0.00	41.88 2.19 0.00	25.05 1.38 0.00	17.73 0.86 -1.62	13.66 0.73 -0.33	15.27 0.77 0.00	22.98 1.17 0.00	26.45 1.51 0.00	15.17 0.91 0.00	20.14 1.08 0.00	21.92 1.07 0.00	33.82 1.42 0.00	32.13 1.35 0.00	34.12 1.58 0.00	32.94 1.56 0.00	37.04 1.40 0.00	31.59 1.17 0.00	26.93 1.01 0.00