

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

07/04/2024

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	26.10	24.00	22.08	21.25	21.19	22.15	23.08	23.20	24.96	25.34	27.98	29.08	32.22	34.37	36.01	36.89	41.22	45.83	46.16	41.69	41.20	35.85	32.99	30.56
24138	1.84	1.44	1.35	1.28	1.28	1.27	1.31	1.56	1.78	1.96	2.36	2.74	3.09	3.24	3.65	3.66	3.97	4.17	3.93	3.44	3.40	2.99	2.78	2.52
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	26.03	24.04	22.15	21.27	21.21	22.17	23.08	23.20	24.96	25.24	27.93	29.03	32.19	34.43	36.01	36.86	41.29	46.04	46.37	41.84	41.46	36.18	33.17	30.73
24260	1.77	1.49	1.41	1.30	1.29	1.29	1.31	1.56	1.78	1.87	2.31	2.69	3.06	3.30	3.66	3.62	4.04	4.38	4.14	3.60	3.67	3.32	2.96	2.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	26.03	24.04	22.15	21.27	21.21	22.17	23.08	23.20	24.96	25.24	27.93	29.03	32.19	34.43	36.01	36.86	41.29	46.04	46.37	41.84	41.46	36.18	33.17	30.73
24261	1.77	1.49	1.41	1.30	1.29	1.29	1.31	1.56	1.78	1.87	2.31	2.69	3.06	3.30	3.66	3.62	4.04	4.38	4.14	3.60	3.67	3.32	2.96	2.69
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	25.56	23.77	21.77	20.99	20.91	21.88	22.76	22.46	24.20	24.38	26.57	27.53	30.33	32.38	33.90	34.93	38.68	44.00	45.06	41.00	40.63	35.39	32.36	29.92
24011	1.31	1.22	1.04	1.02	1.00	1.00	0.98	0.82	1.02	1.00	0.95	1.19	1.19	1.25	1.55	1.70	1.78	2.33	2.83	2.75	2.83	2.53	2.15	1.88
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	25.71	23.93	21.90	21.09	21.01	22.00	22.89	22.57	24.34	24.56	26.72	27.71	30.53	32.56	34.13	35.20	38.98	44.37	45.49	41.38	41.05	35.65	32.60	30.14
23798	1.46	1.38	1.16	1.12	1.09	1.13	1.11	0.93	1.16	1.19	1.10	1.37	1.40	1.43	1.78	1.96	2.08	2.71	3.25	3.14	3.25	2.79	2.39	2.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	25.56	23.77	21.77	20.99	20.91	21.88	22.76	22.46	24.20	24.38	26.57	27.53	30.33	32.38	33.90	34.93	38.68	44.00	45.06	41.00	40.63	35.39	32.36	29.92
24028	1.31	1.22	1.04	1.02	1.00	1.00	0.98	0.82	1.02	1.00	0.95	1.19	1.19	1.25	1.55	1.70	1.78	2.33	2.83	2.75	2.83	2.53	2.15	1.88
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	25.32	23.55	21.65	20.87	20.83	21.75	22.65	22.48	24.06	24.24	26.57	27.48	30.30	32.31	33.74	34.73	38.23	43.46	44.01	39.89	39.42	34.30	31.51	29.33
23527	1.07	0.99	0.91	0.90	0.92	0.88	0.87	0.84	0.88	0.87	0.95	1.13	1.17	1.18	1.39	1.50	1.52	1.79	1.77	1.64	1.62	1.44	1.30	1.29
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	24.86	23.30	21.44	20.67	20.61	21.55	22.39	22.23	23.85	23.68	25.98	26.82	29.54	31.57	32.93	33.87	37.56	42.42	42.95	38.93	38.51	33.55	30.76	28.54
24190	0.61	0.74	0.71	0.70	0.70	0.67	0.61	0.58	0.67	0.30	0.36	0.47	0.41	0.44	0.58	0.63	0.63	0.75	0.72	0.69	0.72	0.69	0.54	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	23.58	22.15	20.38	19.65	19.64	20.65	21.56	21.45	22.99	23.16	25.21	25.55	28.17	30.17	31.22	31.97	35.74	40.17	40.80	37.06	36.62	31.71	29.31	27.17
355683	-0.68	-0.41	-0.35	-0.32	-0.28	-0.23	-0.22	-0.19	-0.19	-0.21	-0.59	-0.79	-0.96	-0.97	-1.13	-1.26	-1.33	-1.50	-1.44	-1.19	-1.17	-1.15	-0.91	-0.87
	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.17	0.00	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	25.15	23.57	21.67	20.89	20.81	21.77	22.60	22.35	23.94	23.93	26.16	27.00	29.75	31.75	33.19	34.17	38.02	43.08	43.80	39.78	39.35	34.18	31.39	29.13
323833	0.90	1.02	0.93	0.92	0.90	0.90	0.83	0.71	0.76	0.56	0.54	0.66	0.61	0.62	0.84	0.93	1.04	1.42	1.56	1.53	1.55	1.32	1.18	1.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	25.13	23.57	21.65	20.89	20.81	21.77	22.58	22.35	23.94	23.93	26.16	27.00	29.75	31.75	33.19	34.17	38.02	43.04	43.75	39.74	39.31	34.18	31.39	29.13
323834	0.87	1.02	0.91	0.92	0.90	0.90	0.81	0.71	0.76	0.56	0.54	0.66	0.61	0.62	0.84	0.93	1.04	1.37	1.52	1.49	1.51	1.32	1.18	1.09
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	24.86	23.30	21.44	20.67	20.61	21.55	22.39	22.23	23.85	23.68	25.98	26.82	29.54	31.57	32.93	33.87	37.56	42.42	42.95	38.93	38.51	33.55	30.76	28.54
23571	0.61	0.74	0.71	0.70	0.70	0.67	0.61	0.58	0.67	0.30	0.36	0.47	0.41	0.44	0.58	0.63	0.63	0.75	0.72	0.69	0.72	0.69	0.54	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	24.86 0.61 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.55 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.68 0.30 0.00	25.98 0.36 0.00	26.82 0.47 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.93 0.58 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.54 0.50 0.00
ALBANY___3 23573	24.86 0.61 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.55 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.68 0.30 0.00	25.98 0.36 0.00	26.82 0.47 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.93 0.58 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.54 0.50 0.00
ALBANY___4 23574	24.86 0.61 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.55 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.68 0.30 0.00	25.98 0.36 0.00	26.82 0.47 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.93 0.58 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.54 0.50 0.00
ALBANY___LFGE 323615	24.93 0.68 0.00	23.46 0.90 0.00	21.57 0.83 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.67 0.79 0.00	22.52 0.74 0.00	22.35 0.71 0.00	23.99 0.81 0.00	23.96 0.58 0.00	26.24 0.61 0.00	27.13 0.79 0.00	29.89 0.76 0.00	31.91 0.78 0.00	33.36 1.00 0.00	34.30 1.06 0.00	38.00 1.08 0.16	42.96 1.29 0.00	43.55 1.31 0.00	39.47 1.22 0.00	38.97 1.17 0.00	33.88 1.02 0.00	31.12 0.91 0.00	28.85 0.81 0.00
ALCOA_PA_115KV_PL-6C 55860	23.44 -0.82 -0.01	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.65 -0.26 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.49 -0.15 0.00	23.02 -0.16 0.00	23.19 -0.19 0.00	25.17 -0.74 -0.29	25.37 -0.97 0.00	27.97 -1.17 0.00	29.98 -1.15 0.00	31.02 -1.33 0.00	31.74 -1.50 0.00	35.52 -1.56 0.00	39.88 -1.79 0.00	40.55 -1.69 0.00	36.87 -1.38 0.00	36.44 -1.36 0.00	31.51 -1.35 0.00	29.12 -1.09 0.00	27.00 -1.04 0.00
ALCOA_RYNLDS___DRP 24188	23.44 -0.82 -0.01	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.65 -0.26 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.49 -0.15 0.00	23.02 -0.16 0.00	23.19 -0.19 0.00	25.17 -0.74 -0.29	25.37 -0.97 0.00	27.97 -1.17 0.00	29.98 -1.15 0.00	31.02 -1.33 0.00	31.74 -1.50 0.00	35.52 -1.56 0.00	39.88 -1.79 0.00	40.55 -1.69 0.00	36.87 -1.38 0.00	36.44 -1.36 0.00	31.51 -1.35 0.00	29.12 -1.09 0.00	27.00 -1.04 0.00
ALCOA___DSASP 323711	23.40 -0.87 -0.01	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.65 -0.26 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.49 -0.15 0.00	23.02 -0.16 0.00	22.86 -0.51 0.00	25.14 -0.77 -0.29	25.34 -1.00 0.00	28.00 -1.14 0.00	29.98 -1.15 0.00	31.02 -1.33 0.00	31.74 -1.50 0.00	35.52 -1.56 0.00	39.88 -1.79 0.00	40.54 -1.69 0.00	36.83 -1.41 0.00	36.55 -1.25 0.00	31.55 -1.32 0.00	29.13 -1.09 0.00	27.00 -1.04 0.00
ALLEGHENY___COGEN 23514	25.47 1.21 0.00	23.30 0.74 0.00	21.23 0.50 0.00	20.25 0.28 0.00	20.15 0.24 0.00	21.27 0.40 0.00	22.45 0.68 0.00	22.10 0.46 0.00	23.36 0.18 0.00	23.65 0.28 0.00	26.26 0.64 0.00	26.97 0.63 0.00	29.92 0.79 0.00	31.82 0.68 0.00	33.10 0.74 0.00	34.63 1.40 0.00	39.00 1.93 0.00	44.17 2.50 0.00	44.85 2.62 0.00	40.77 2.52 0.00	40.44 2.64 0.00	35.29 2.43 0.00	32.12 1.90 0.00	30.06 2.02 0.00
ALTAMONT_115KV_TB 2 55880	24.96 0.70 0.00	23.23 0.68 0.00	21.36 0.62 0.00	20.59 0.62 0.00	20.53 0.62 0.00	21.48 0.61 0.00	22.34 0.57 0.00	22.20 0.56 0.00	23.81 0.63 0.00	23.86 0.49 0.00	26.24 0.61 0.00	27.08 0.74 0.00	29.95 0.82 0.00	31.97 0.84 0.00	33.35 1.00 0.00	34.30 1.06 0.00	38.13 1.15 0.10	42.96 1.29 0.00	43.54 1.31 0.00	39.43 1.19 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.18 0.97 0.00	28.91 0.87 0.00
ALTONA_WT_PWR 323606	23.26 -1.00 0.00	21.92 -0.63 0.00	20.20 -0.54 0.00	19.51 -0.46 0.00	19.52 -0.40 0.00	20.63 -0.25 0.00	21.65 -0.13 0.00	21.62 -0.02 0.00	23.27 0.09 0.00	23.28 -0.09 0.00	25.26 -0.36 0.00	25.79 -0.55 0.00	28.43 -0.70 0.00	30.45 -0.69 0.00	31.45 -0.91 0.00	32.24 -1.00 0.00	35.97 -1.11 0.00	40.46 -1.21 0.00	41.35 -0.89 0.00	37.60 -0.65 0.00	37.30 -0.49 0.00	32.11 -0.75 0.00	29.61 -0.60 0.00	27.45 -0.59 0.00
AMERICAN_REF_FUEL 24010	23.87 -0.39 0.00	21.77 -0.79 0.00	19.76 -0.97 0.00	18.75 -1.22 0.00	18.68 -1.23 0.00	19.63 -1.25 0.00	21.06 -0.72 0.00	20.65 -1.00 0.00	22.39 -1.18 0.00	22.39 -0.98 0.00	25.11 -0.51 0.00	25.84 -0.50 0.00	28.67 -0.47 0.00	30.51 -0.62 0.00	31.70 -0.65 0.00	32.87 -0.36 0.00	36.89 -0.18 0.00	41.46 -0.21 0.00	41.73 -0.50 0.00	37.44 -0.80 0.00	36.70 -1.10 0.00	32.04 -0.82 0.00	29.37 -0.85 0.00	27.73 -0.31 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	24.67 0.41 0.00	22.58 0.02 0.00	20.55 -0.19 0.00	19.65 -0.32 0.00	19.52 -0.40 0.00	20.63 -0.25 0.00	22.04 0.26 0.00	21.84 0.19 0.00	23.32 0.14 0.00	23.79 0.42 0.00	26.72 1.10 0.00	27.50 1.16 0.00	30.50 1.37 0.00	32.56 1.43 0.00	33.84 1.49 0.00	34.96 1.73 0.00	39.15 2.08 0.00	43.96 2.29 0.00	44.35 2.11 0.00	39.85 1.61 0.00	38.89 1.10 0.00	34.08 1.22 0.00	31.24 1.03 0.00	29.38 1.35 0.00
ARTHUR KILL_GT_1 23520	26.20 1.94 -0.01	24.13 1.58 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.07 1.19 0.00	22.89 1.11 0.00	22.94 1.30 0.00	24.69 1.51 0.00	25.03 1.66 0.00	27.75 2.13 0.00	28.93 2.58 0.00	32.06 2.88 -0.04	39.67 3.05 -5.49	35.80 3.40 -0.06	36.66 3.42 0.00	41.02 3.71 -0.23	51.93 3.96 -6.30	70.52 3.80 -24.48	69.59 3.37 -27.97	98.08 3.36 -56.92	39.89 2.99 -4.04	33.07 2.75 -0.11	30.51 2.47 -0.01
ARTHUR_KILL_2 23512	26.13 1.87 -0.01	24.07 1.51 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.17 1.26 0.00	22.00 1.13 0.00	22.82 1.05 0.00	22.90 1.25 0.00	24.62 1.44 0.00	24.96 1.59 0.00	27.65 2.02 0.00	28.82 2.48 0.00	31.94 2.77 -0.04	39.58 2.96 -5.49	35.67 3.27 -0.06	36.53 3.29 0.00	40.87 3.56 -0.23	51.76 3.79 -6.30	70.30 3.59 -24.48	69.39 3.17 -27.97	97.93 3.21 -56.92	39.75 2.86 -4.04	32.95 2.63 -0.11	30.40 2.36 -0.01
ARTHUR_KILL_3 23513	25.88 1.63 0.00	23.79 1.24 0.00	21.92 1.18 0.00	21.09 1.12 0.00	21.03 1.11 0.00	21.98 1.11 0.00	22.91 1.13 0.00	23.03 1.39 0.00	24.78 1.60 0.00	25.13 1.75 0.00	27.73 2.10 0.00	28.82 2.48 0.00	31.96 2.80 -0.03	38.27 2.99 -4.15	35.73 3.33 -0.04	36.53 3.29 0.00	40.89 3.60 -0.22	50.19 3.75 -4.77	64.33 3.59 -18.50	62.53 3.14 -21.14	83.95 3.14 -43.02	38.70 2.79 -3.05	32.86 2.57 -0.08	30.36 2.33 0.00



ARTHUR_KILL_COGEN 323718	26.20 1.94 -0.01	24.13 1.58 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.07 1.19 0.00	22.89 1.11 0.00	22.94 1.30 0.00	24.69 1.51 0.00	25.03 1.66 0.00	27.75 2.13 0.00	28.93 2.58 0.00	32.06 2.88 -0.04	39.67 3.05 -5.49	35.80 3.40 -0.06	36.66 3.42 0.00	41.02 3.71 -0.23	51.93 3.96 -6.30	70.52 3.80 -24.48	69.59 3.37 -27.97	98.08 3.36 -56.92	39.89 2.99 -4.04	33.07 2.75 -0.11	30.51 2.47 -0.01
ASHOKAN____ 23654	25.93 1.67 0.00	24.13 1.58 0.00	22.17 1.43 0.00	21.35 1.38 0.00	21.27 1.35 0.00	22.28 1.40 0.00	23.08 1.31 0.00	22.74 1.10 0.00	24.31 1.14 0.00	24.38 1.00 0.00	26.67 1.05 0.00	27.58 1.24 0.00	30.68 1.54 0.00	32.87 1.74 0.00	34.39 2.04 0.00	35.43 2.19 0.00	39.63 2.56 0.00	44.79 3.13 0.00	45.44 3.21 0.00	41.19 2.95 0.00	40.78 2.99 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.00 1.96 0.00
ASTORIA_EAST_ENERGY_CC1 323581	26.18 1.92 -0.01	24.07 1.51 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.74 3.40 0.01	36.55 3.32 0.01	40.84 3.60 -0.17	45.45 3.79 0.01	45.82 3.59 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.00 2.78 -0.01	30.65 2.61 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	26.18 1.92 -0.01	24.07 1.51 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.74 3.40 0.01	36.55 3.32 0.01	40.84 3.60 -0.17	45.45 3.79 0.01	45.82 3.59 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.00 2.78 -0.01	30.65 2.61 -0.01
ASTORIA_GT2_1 24094	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT2_2 24095	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT2_3 24096	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT2_4 24097	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT3_1 24098	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT3_2 24099	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT3_3 24100	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT3_4 24101	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT4_1 24102	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT4_2 24103	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT4_3 24104	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01



ASTORIA_GT4_4 24105	26.08 1.82 -0.01	24.09 1.53 0.00	22.22 1.47 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.72 2.10 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.21 3.08 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.89 3.63 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.46 3.21 0.00	41.08 3.29 0.00	36.05 3.19 0.00	33.12 2.90 -0.01	30.76 2.72 -0.01
ASTORIA_GT_1 23523	26.23 1.96 -0.01	24.13 1.58 0.00	22.24 1.49 -0.01	21.38 1.40 -0.01	21.31 1.39 0.00	22.13 1.25 0.00	22.95 1.18 0.00	23.04 1.41 0.01	24.79 1.62 0.01	25.14 1.78 0.01	27.79 2.18 0.01	28.94 2.61 0.01	32.07 2.94 0.01	34.30 3.18 0.01	35.81 3.46 0.01	36.62 3.39 0.01	40.95 3.71 -0.17	45.57 3.92 0.01	45.94 3.72 0.01	41.49 3.25 0.01	41.04 3.25 0.01	35.92 3.06 0.00	33.09 2.87 -0.01	30.74 2.69 -0.01
ASTORIA_GT_10 24110	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.06 2.84 -0.01	30.65 2.61 -0.01
ASTORIA_GT_11 24225	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.06 2.84 -0.01	30.65 2.61 -0.01
ASTORIA_GT_12 24226	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.06 2.84 -0.01	30.65 2.61 -0.01
ASTORIA_GT_13 24227	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.06 2.84 -0.01	30.65 2.61 -0.01
ASTORIA_GT_5 24106	26.13 1.87 -0.01	24.13 1.58 0.00	22.26 1.51 -0.01	21.38 1.40 -0.01	21.31 1.39 0.00	22.13 1.25 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.78 2.15 0.00	28.92 2.58 0.00	32.07 2.94 0.00	34.31 3.18 0.00	35.85 3.49 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.75 4.08 0.00	46.04 3.80 0.00	41.57 3.33 0.00	41.20 3.40 0.00	36.11 3.25 0.00	33.21 2.99 -0.01	30.85 2.80 -0.01
ASTORIA_GT_7 24107	26.13 1.87 -0.01	24.13 1.58 0.00	22.26 1.51 -0.01	21.38 1.40 -0.01	21.31 1.39 0.00	22.13 1.25 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.78 2.15 0.00	28.92 2.58 0.00	32.07 2.94 0.00	34.31 3.18 0.00	35.85 3.49 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.75 4.08 0.00	46.04 3.80 0.00	41.57 3.33 0.00	41.20 3.40 0.00	36.11 3.25 0.00	33.21 2.99 -0.01	30.85 2.80 -0.01
ASTORIA_GT_8 24108	26.13 1.87 -0.01	24.13 1.58 0.00	22.26 1.51 -0.01	21.38 1.40 -0.01	21.31 1.39 0.00	22.13 1.25 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.78 2.15 0.00	28.92 2.58 0.00	32.07 2.94 0.00	34.31 3.18 0.00	35.85 3.49 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.75 4.08 0.00	46.04 3.80 0.00	41.57 3.33 0.00	41.20 3.40 0.00	36.11 3.25 0.00	33.21 2.99 -0.01	30.85 2.80 -0.01
ASTORIA___2 24149	26.18 1.92 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.91 1.13 0.00	23.00 1.36 0.01	24.75 1.58 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	32.01 2.88 0.01	34.21 3.08 0.01	35.74 3.40 0.01	36.55 3.32 0.01	40.88 3.64 -0.17	45.45 3.79 0.01	45.82 3.59 0.01	41.41 3.17 0.01	40.96 3.18 0.01	35.82 2.96 0.00	33.03 2.81 -0.01	30.68 2.63 -0.01
ASTORIA___3 23516	26.08 1.82 -0.01	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.26 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.90 2.55 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.92 3.67 -0.18	45.54 3.88 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.05 3.25 0.00	35.82 2.96 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
ASTORIA___4 23517	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.06 2.84 -0.01	30.65 2.61 -0.01
ASTORIA___5 23518	26.08 1.82 -0.01	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.26 0.00	22.07 1.19 0.00	22.93 1.15 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.90 2.55 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.92 3.67 -0.18	45.54 3.88 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.05 3.25 0.00	35.82 2.96 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
AST_ENERGY_2_CC3 323677	25.91 1.65 0.00	23.84 1.28 0.00	21.96 1.22 0.00	21.11 1.14 0.00	21.05 1.13 0.00	22.00 1.13 0.00	22.91 1.13 0.00	23.03 1.39 0.00	24.76 1.58 0.00	25.10 1.73 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.53 3.29 0.00	40.85 3.60 -0.18	45.46 3.79 0.00	45.82 3.59 0.00	41.38 3.14 0.00	40.93 3.14 0.00	35.65 2.79 0.00	32.78 2.57 0.00	30.36 2.33 0.00
AST_ENERGY_2_CC4 323678	25.91 1.65 0.00	23.84 1.28 0.00	21.96 1.22 0.00	21.11 1.14 0.00	21.05 1.13 0.00	22.00 1.13 0.00	22.91 1.13 0.00	23.03 1.39 0.00	24.76 1.58 0.00	25.10 1.73 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.53 3.29 0.00	40.85 3.60 -0.18	45.46 3.79 0.00	45.82 3.59 0.00	41.38 3.14 0.00	40.93 3.14 0.00	35.65 2.79 0.00	32.78 2.57 0.00	30.36 2.33 0.00



ATHENS_STG_1 23668	25.05 0.80 0.00	23.23 0.68 0.00	21.38 0.64 0.00	20.61 0.64 0.00	20.57 0.66 0.00	21.50 0.63 0.00	22.36 0.59 0.00	22.29 0.65 0.00	23.90 0.72 0.00	24.12 0.75 0.00	26.52 0.90 0.00	27.45 1.11 0.00	30.36 1.22 0.00	32.44 1.31 0.00	33.87 1.52 0.00	34.77 1.53 0.00	38.77 1.63 -0.07	43.42 1.75 0.00	43.93 1.69 0.00	39.78 1.53 0.00	39.31 1.51 0.00	34.18 1.32 0.00	31.42 1.21 0.00	29.13 1.09 0.00
ATHENS_STG_2 23670	25.05 0.80 0.00	23.23 0.68 0.00	21.38 0.64 0.00	20.61 0.64 0.00	20.57 0.66 0.00	21.50 0.63 0.00	22.36 0.59 0.00	22.29 0.65 0.00	23.90 0.72 0.00	24.12 0.75 0.00	26.52 0.90 0.00	27.45 1.11 0.00	30.36 1.22 0.00	32.44 1.31 0.00	33.87 1.52 0.00	34.77 1.53 0.00	38.77 1.63 -0.07	43.42 1.75 0.00	43.93 1.69 0.00	39.78 1.53 0.00	39.31 1.51 0.00	34.18 1.32 0.00	31.42 1.21 0.00	29.13 1.09 0.00
ATHENS_STG_3 23677	25.05 0.80 0.00	23.23 0.68 0.00	21.38 0.64 0.00	20.61 0.64 0.00	20.57 0.66 0.00	21.50 0.63 0.00	22.36 0.59 0.00	22.29 0.65 0.00	23.90 0.72 0.00	24.12 0.75 0.00	26.52 0.90 0.00	27.45 1.11 0.00	30.36 1.22 0.00	32.44 1.31 0.00	33.87 1.52 0.00	34.77 1.53 0.00	38.77 1.63 -0.07	43.42 1.75 0.00	43.93 1.69 0.00	39.78 1.53 0.00	39.31 1.51 0.00	34.18 1.32 0.00	31.42 1.21 0.00	29.13 1.09 0.00
AUBURN___LFGE 323710	24.54 0.29 0.00	22.69 0.14 0.00	20.78 0.04 0.00	19.97 0.00 0.00	19.89 -0.02 0.00	20.90 0.02 0.00	21.89 0.11 0.00	21.73 0.09 0.00	23.25 0.07 0.00	23.57 0.19 -0.01	26.23 0.41 -0.19	27.13 0.53 -0.26	30.29 0.64 -0.52	32.31 0.59 -0.59	33.58 0.61 -0.62	34.46 0.70 -0.53	38.68 0.82 -0.79	43.88 1.04 -1.17	44.43 1.10 -1.10	39.82 0.92 -0.66	39.29 0.91 -0.59	34.12 0.79 -0.47	31.45 0.54 -0.70	28.93 0.53 -0.36
BABYLON_RES_REC 323704	32.13 2.16 -5.71	28.88 1.76 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.35 1.57 0.00	23.33 1.69 0.00	25.19 2.02 0.00	30.46 2.17 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.31 3.26 -4.91	38.74 3.21 -4.40	45.48 3.53 -9.60	38.14 3.32 -1.58	40.55 3.30 -0.18	44.58 2.92 0.00	45.07 2.83 0.00	40.77 2.52 0.00	40.33 2.53 0.00	35.52 2.66 0.00	32.90 2.69 0.00	30.48 2.44 0.00
BABYLON__69_KV_BK2 356345	32.35 2.38 -5.71	29.17 2.05 -4.56	25.18 1.93 -2.51	23.01 1.80 -1.24	22.86 1.79 -1.15	23.63 1.84 -0.92	23.58 1.81 0.00	23.57 1.93 0.00	25.47 2.29 0.00	30.67 2.38 -4.91	31.03 2.90 -2.51	35.94 3.37 -6.23	37.83 3.79 -4.91	39.64 4.11 -4.40	46.45 4.50 -9.60	39.37 4.55 -1.58	42.30 5.04 -0.18	46.54 4.88 0.00	46.97 4.73 0.00	42.53 4.28 0.00	41.80 4.01 0.00	37.03 4.17 0.00	33.78 3.56 0.00	31.37 3.34 0.00
BALL_HILL_WT_PWR 323825	24.57 0.31 0.00	22.47 -0.09 0.00	20.40 -0.33 0.00	19.43 -0.54 0.00	19.30 -0.62 0.00	20.36 -0.52 0.00	21.73 -0.04 0.00	21.45 -0.20 0.00	22.90 -0.28 0.00	23.35 -0.02 0.00	26.19 0.56 0.00	26.97 0.63 0.00	29.92 0.79 0.00	31.94 0.81 0.00	33.19 0.84 0.00	34.37 1.13 0.00	38.49 1.41 0.00	43.25 1.58 0.00	43.63 1.39 0.00	39.13 0.88 0.00	38.21 0.42 0.00	33.42 0.56 0.00	30.63 0.42 0.00	28.82 0.78 0.00
BARON_WINDS___WT_PWR 323822	24.52 0.27 0.00	22.49 -0.07 0.00	20.53 -0.21 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.58 -0.29 0.00	21.82 0.04 0.00	21.62 -0.02 0.00	23.11 -0.07 0.00	23.52 0.14 0.00	26.24 0.56 -0.05	27.06 0.66 -0.06	30.05 0.79 -0.13	32.08 0.81 -0.14	33.34 0.84 -0.15	34.40 1.03 -0.13	38.53 1.26 -0.19	43.45 1.50 -0.28	43.98 1.48 -0.27	39.52 1.11 -0.16	38.77 0.83 -0.14	33.83 0.85 -0.11	31.05 0.66 -0.17	28.99 0.87 -0.09
BARRETT_IC_1 23704	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_10 23701	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_11 23702	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_12 23703	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_2 23705	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_3 23706	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_4 23707	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00



BARRETT_IC_5 23708	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_6 23709	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_7 23710	31.79 1.82 -5.71	28.65 1.53 -4.56	24.70 1.45 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.10 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.13 1.85 -4.91	30.41 2.28 -2.51	35.02 2.45 -6.23	36.81 2.77 -4.91	38.42 2.90 -4.40	45.16 3.20 -9.60	38.07 3.26 -1.58	40.85 3.60 -0.18	45.13 3.46 0.00	45.53 3.29 0.00	41.15 2.91 0.00	40.63 2.83 0.00	35.92 3.06 0.00	33.02 2.81 0.00	30.62 2.58 0.00
BARRETT_IC_8 23711	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT_IC_9 23700	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT___1 23545	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BARRETT___2 23546	31.86 1.89 -5.71	28.65 1.53 -4.56	24.68 1.43 -2.51	22.57 1.36 -1.24	22.40 1.33 -1.15	23.15 1.36 -0.92	23.11 1.33 0.00	23.13 1.49 0.00	24.94 1.76 0.00	30.20 1.92 -4.91	30.44 2.31 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.58 3.05 -4.40	45.32 3.36 -9.60	38.01 3.19 -1.58	40.37 3.11 -0.18	44.62 2.96 0.01	45.07 2.83 0.00	40.81 2.56 0.00	40.28 2.49 0.01	35.43 2.56 0.00	32.72 2.51 0.00	30.31 2.27 0.00
BATAVIA__115KV_TB1 55881	24.76 0.51 0.00	22.67 0.11 0.00	20.59 -0.15 0.00	19.57 -0.40 0.00	19.42 -0.50 0.00	20.52 -0.35 0.00	21.86 0.09 0.00	21.58 -0.06 0.00	23.02 -0.16 0.00	23.42 0.05 0.00	26.21 0.59 0.00	27.11 0.76 0.00	30.06 0.93 0.00	31.91 0.78 0.00	33.19 0.84 0.00	34.33 1.10 0.00	38.41 1.33 0.00	43.25 1.58 0.00	43.71 1.48 0.00	39.35 1.11 0.00	38.67 0.87 0.00	33.35 0.49 0.00	30.54 0.33 0.00	28.68 0.64 0.00
BAYONEEC___CTG1 323682	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG10 323750	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG2 323683	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG3 323684	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG4 323685	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG5 323686	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG6 323687	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00



BAYONEEC___CTG7 323688	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG8 323689	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BAYONEEC___CTG9 323749	25.95 1.70 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.78 2.15 0.00	28.87 2.53 0.00	31.99 2.86 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
BEACON___LESR 323632	25.05 0.80 0.00	23.57 1.02 0.00	21.67 0.93 0.00	20.89 0.92 0.00	20.81 0.90 0.00	21.77 0.90 0.00	22.65 0.87 0.00	22.46 0.82 0.00	24.11 0.93 0.00	24.05 0.68 0.00	26.34 0.72 0.00	27.24 0.90 0.00	30.04 0.90 0.00	32.06 0.93 0.00	33.48 1.13 0.00	34.47 1.23 0.00	38.22 1.30 0.15	43.25 1.58 0.00	43.84 1.60 0.00	39.74 1.49 0.00	39.27 1.47 0.00	34.14 1.28 0.00	31.33 1.12 0.00	29.05 1.01 0.00
BEAVER RIVER___HYD 24048	23.58 -0.65 0.02	22.01 -0.54 0.00	20.36 -0.37 0.00	19.63 -0.34 0.00	19.58 -0.34 0.00	20.52 -0.36 0.00	21.47 -0.30 0.00	21.23 -0.41 0.00	22.65 -0.53 0.00	22.82 -0.56 -0.01	24.56 -0.72 0.35	25.81 -0.69 -0.15	28.68 -0.76 -0.30	30.79 -0.69 -0.34	31.93 -0.78 -0.36	32.71 -0.83 -0.31	36.72 -0.82 -0.46	41.51 -0.83 -0.68	42.33 -0.55 -0.64	38.36 -0.27 -0.38	38.06 -0.08 -0.34	32.91 -0.23 -0.27	30.35 -0.27 -0.41	27.85 -0.39 -0.21
BEEBEE_GT_13 23619	24.45 0.19 0.00	22.49 -0.07 0.00	20.49 -0.25 0.00	19.55 -0.42 0.00	19.46 -0.46 0.00	20.46 -0.42 0.00	21.67 -0.11 0.00	21.47 -0.17 0.00	22.95 -0.23 0.00	23.33 -0.05 0.00	25.96 0.33 0.00	26.82 0.47 0.00	29.74 0.61 0.00	31.63 0.50 0.00	32.90 0.55 0.00	33.97 0.73 0.00	37.97 0.89 0.00	42.75 1.08 0.00	43.21 0.97 0.00	38.93 0.69 0.00	38.33 0.53 0.00	33.12 0.26 0.00	30.33 0.12 0.00	28.32 0.28 0.00
BENSHRST_27_KV_BENSHRST_1 355998	26.25 1.99 -0.01	24.20 1.65 0.00	22.27 1.53 0.00	21.39 1.42 0.00	21.31 1.39 0.00	22.19 1.32 0.00	23.06 1.28 0.00	23.16 1.51 0.00	24.92 1.74 0.00	25.22 1.85 0.00	27.98 2.36 0.00	29.16 2.82 0.00	32.38 3.20 -0.04	40.05 3.42 -5.49	36.16 3.75 -0.06	36.99 3.76 0.00	41.42 4.12 -0.23	52.47 4.50 -6.30	70.98 4.27 -24.48	69.97 3.75 -27.97	98.53 3.82 -56.92	40.41 3.52 -4.04	33.47 3.14 -0.11	30.90 2.86 -0.01
BETHLEHEM___GRP 23843	24.86 0.61 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.55 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.68 0.30 0.00	25.98 0.36 0.00	26.82 0.47 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.93 0.58 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.54 0.50 0.00
BETHLEHEM___GS1 323560	24.69 0.44 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.54 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.74 0.37 0.00	25.98 0.36 0.00	26.84 0.50 0.00	29.57 0.44 0.00	31.57 0.44 0.00	32.96 0.61 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	43.00 0.76 0.00	38.97 0.72 0.00	38.51 0.72 0.00	33.48 0.62 0.00	30.76 0.54 0.00	28.51 0.48 0.00
BETHLEHEM___GS2 323561	24.69 0.44 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.54 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.74 0.37 0.00	25.98 0.36 0.00	26.84 0.50 0.00	29.57 0.44 0.00	31.57 0.44 0.00	32.96 0.61 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	43.00 0.76 0.00	38.97 0.72 0.00	38.51 0.72 0.00	33.48 0.62 0.00	30.76 0.54 0.00	28.51 0.48 0.00
BETHLEHEM___GS3 323562	24.69 0.44 0.00	23.30 0.74 0.00	21.44 0.71 0.00	20.67 0.70 0.00	20.61 0.70 0.00	21.54 0.67 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.74 0.37 0.00	25.98 0.36 0.00	26.84 0.50 0.00	29.57 0.44 0.00	31.57 0.44 0.00	32.96 0.61 0.00	33.87 0.63 0.00	37.56 0.63 0.14	42.42 0.75 0.00	43.00 0.76 0.00	38.97 0.72 0.00	38.51 0.72 0.00	33.48 0.62 0.00	30.76 0.54 0.00	28.51 0.48 0.00
BETHLEHEM___STEEL 23779	24.45 0.19 0.00	22.42 -0.14 0.00	20.34 -0.39 0.00	19.35 -0.62 0.00	19.20 -0.72 0.00	20.23 -0.65 0.00	21.62 -0.15 0.00	21.32 -0.32 0.00	22.74 -0.44 0.00	23.16 -0.21 0.00	26.01 0.38 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.75 0.62 0.00	33.00 0.65 0.00	34.13 0.90 0.00	38.04 0.96 0.00	42.75 1.08 0.00	43.16 0.93 0.00	38.86 0.61 0.00	37.95 0.15 0.00	32.89 0.03 0.00	30.15 -0.06 0.00	28.43 0.39 0.00
BETHLHEM_115KV_TB1 79974	24.89 0.63 0.00	23.28 0.72 0.00	21.42 0.68 0.00	20.65 0.68 0.00	20.59 0.68 0.00	21.52 0.65 0.00	22.36 0.59 0.00	22.23 0.58 0.00	23.85 0.67 0.00	23.72 0.35 0.00	26.03 0.41 0.00	26.90 0.55 0.00	29.63 0.50 0.00	31.66 0.53 0.00	33.03 0.68 0.00	33.97 0.73 0.00	37.68 0.74 0.14	42.54 0.88 0.00	43.08 0.84 0.00	39.05 0.80 0.00	38.63 0.83 0.00	33.65 0.79 0.00	30.85 0.63 0.00	28.63 0.59 0.00
BETHPAGE_CC_5 323564	32.01 2.04 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.69 1.48 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.26 1.48 0.00	23.26 1.62 0.00	25.13 1.95 0.00	30.34 2.06 -4.91	30.54 2.41 -2.51	35.34 2.77 -6.23	37.16 3.12 -4.91	38.83 3.30 -4.40	45.61 3.65 -9.60	38.21 3.39 -1.58	40.66 3.41 -0.18	44.88 3.21 0.00	45.32 3.08 0.00	41.00 2.76 0.00	40.44 2.64 0.00	35.62 2.76 0.00	32.75 2.54 0.00	30.34 2.30 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	24.50 0.24 0.00	22.44 -0.11 0.00	20.38 -0.35 0.00	19.39 -0.58 0.00	19.24 -0.68 0.00	20.27 -0.61 0.00	21.67 -0.11 0.00	21.34 -0.30 0.00	22.79 -0.39 0.00	23.21 -0.16 0.00	26.08 0.46 0.00	26.95 0.61 0.00	29.92 0.79 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.23 1.00 0.00	38.15 1.08 0.00	42.88 1.21 0.00	43.29 1.06 0.00	38.97 0.73 0.00	38.06 0.26 0.00	32.99 0.13 0.00	30.21 0.00 0.00	28.51 0.48 0.00



BINGHAMTON___COGEN 23790	24.62 0.36 0.00	22.74 0.18 0.00	20.82 0.08 0.00	19.99 0.02 0.00	19.91 0.00 0.00	20.90 0.02 0.00	21.91 0.13 0.00	21.77 0.13 0.00	23.30 0.12 0.00	23.59 0.21 0.00	26.18 0.46 -0.10	27.06 0.61 -0.11	30.06 0.70 -0.23	32.11 0.72 -0.26	33.40 0.78 -0.27	34.33 0.86 -0.23	38.39 0.96 -0.35	43.35 1.17 -0.51	43.90 1.18 -0.48	39.53 0.99 -0.29	38.92 0.87 -0.26	33.82 0.76 -0.21	31.12 0.60 -0.31	28.84 0.64 -0.16
BIXINCNT_115KV_LOAD 355685	24.28 0.02 0.00	22.35 -0.20 0.00	20.38 -0.35 0.00	19.41 -0.56 0.00	19.26 -0.66 0.00	20.27 -0.61 0.00	21.73 -0.04 0.00	21.42 -0.22 0.00	22.95 -0.23 0.00	23.35 -0.02 0.00	26.24 0.61 0.00	27.08 0.74 0.00	30.09 0.96 0.00	32.07 0.93 0.00	33.29 0.94 0.00	34.33 1.10 0.00	38.08 1.00 0.00	42.88 1.21 0.00	43.54 1.31 0.00	39.28 1.03 0.00	38.25 0.45 0.00	33.19 0.33 0.00	30.33 0.12 0.00	28.65 0.62 0.00
BLACK RIVER___HYD 24047	23.78 -0.46 0.02	22.08 -0.47 0.00	20.38 -0.35 0.00	19.63 -0.34 0.00	19.58 -0.34 0.00	20.50 -0.38 0.00	21.45 -0.33 0.00	21.16 -0.48 0.00	22.53 -0.65 0.00	22.82 -0.56 -0.01	24.82 -0.69 0.12	25.99 -0.60 -0.25	28.95 -0.70 -0.51	31.12 -0.59 -0.58	32.25 -0.71 -0.61	33.02 -0.73 -0.52	37.11 -0.74 -0.78	42.15 -0.67 -1.15	42.98 -0.34 -1.09	38.90 0.00 -0.65	38.61 0.23 -0.58	33.39 0.07 -0.46	30.84 -0.06 -0.69	28.20 -0.19 -0.35
BLACKRVR_115KV_TB2 79977	23.78 -0.46 0.02	22.08 -0.47 0.00	20.38 -0.35 0.00	19.63 -0.34 0.00	19.58 -0.34 0.00	20.50 -0.38 0.00	21.45 -0.33 0.00	21.16 -0.48 0.00	22.53 -0.65 0.00	22.87 -0.51 -0.01	24.81 -0.69 0.12	25.99 -0.61 -0.25	28.97 -0.67 -0.51	31.12 -0.59 -0.58	32.25 -0.71 -0.61	33.02 -0.73 -0.52	37.11 -0.74 -0.78	42.15 -0.67 -1.15	42.98 -0.34 -1.09	38.90 0.00 -0.65	38.49 0.11 -0.58	33.36 0.03 -0.46	30.81 -0.09 -0.69	28.17 -0.22 -0.35
BLISS_WT_PWR 323608	24.25 0.00 0.00	22.26 -0.29 0.00	20.34 -0.39 0.00	19.37 -0.60 0.00	19.22 -0.70 0.00	20.25 -0.63 0.00	21.71 -0.07 0.00	21.40 -0.24 0.00	22.92 -0.25 0.00	23.37 0.00 0.00	26.26 0.64 0.00	27.03 0.68 0.00	30.04 0.90 0.00	32.06 0.93 0.00	33.26 0.90 0.00	34.30 1.06 0.00	38.19 1.11 0.00	43.04 1.37 0.00	43.67 1.44 0.00	39.24 0.99 0.00	38.25 0.46 0.00	33.42 0.56 0.00	30.58 0.36 0.00	28.85 0.81 0.00
BLUESTONE___WT_PWR 323821	25.61 1.36 0.00	23.62 1.06 0.00	21.65 0.91 0.00	20.83 0.86 0.00	20.75 0.84 0.00	21.75 0.88 0.00	22.80 1.02 0.00	22.62 0.97 0.00	24.18 1.00 0.00	24.61 1.24 0.00	27.10 1.41 -0.06	28.05 1.63 -0.07	31.15 1.87 -0.15	33.39 2.09 -0.17	34.63 2.10 -0.18	35.62 2.23 -0.15	39.86 2.52 -0.27	44.92 2.92 -0.34	45.68 3.13 -0.32	41.31 2.87 -0.19	40.80 2.84 -0.17	35.43 2.43 -0.14	32.56 2.15 -0.20	30.07 1.93 -0.10
BLUE_CIRC_CHEM_DRP 24182	25.06 0.80 0.00	23.39 0.83 0.00	21.50 0.77 0.00	20.75 0.78 0.00	20.67 0.76 0.00	21.63 0.75 0.00	22.45 0.68 0.00	22.25 0.61 0.00	23.85 0.67 0.00	23.82 0.44 0.00	26.11 0.49 0.00	26.95 0.61 0.00	29.72 0.58 0.00	31.75 0.62 0.00	33.13 0.78 0.00	34.10 0.86 0.00	37.91 0.93 0.10	42.83 1.17 0.00	43.46 1.22 0.00	39.43 1.19 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.18 0.97 0.00	28.93 0.90 0.00
BOC_GAS_DRP 24189	24.86 0.61 0.00	23.16 0.61 0.00	21.32 0.58 0.00	20.55 0.58 0.00	20.49 0.58 0.00	21.44 0.56 0.00	22.28 0.50 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.82 0.44 0.00	26.16 0.54 0.00	27.03 0.68 0.00	29.86 0.73 0.00	31.91 0.78 0.00	33.29 0.94 0.00	34.20 0.96 0.00	37.98 1.00 0.09	42.79 1.13 0.00	43.33 1.10 0.00	39.24 0.99 0.00	38.82 1.02 0.00	33.81 0.95 0.00	31.03 0.82 0.00	28.79 0.76 0.00
BOONVILLE_115KV_TB1 79983	24.56 0.32 0.01	22.83 0.27 0.00	21.05 0.31 0.00	20.25 0.28 0.00	20.19 0.28 0.00	21.17 0.29 0.00	22.13 0.35 0.00	21.90 0.26 0.00	23.39 0.21 0.00	23.68 0.30 0.00	25.79 0.28 0.12	26.78 0.37 -0.07	29.71 0.44 -0.14	31.85 0.56 -0.16	33.07 0.55 -0.17	33.98 0.60 -0.15	38.04 0.74 -0.22	42.87 0.88 -0.32	43.60 1.06 -0.31	39.50 1.07 -0.18	39.06 1.10 -0.16	33.91 0.92 -0.13	31.16 0.76 -0.19	28.75 0.62 -0.10
BORALEX_4TH_BRANCH 23824	25.30 1.04 0.00	23.55 0.99 0.00	21.65 0.91 0.00	20.87 0.90 0.00	20.83 0.92 0.00	21.77 0.90 0.00	22.65 0.87 0.00	22.46 0.82 0.00	24.06 0.88 0.00	24.14 0.77 0.00	26.52 0.90 0.00	27.42 1.08 0.00	30.27 1.14 0.00	32.31 1.18 0.00	33.74 1.39 0.00	34.73 1.50 0.00	38.23 1.52 0.37	43.38 1.71 0.00	43.92 1.69 0.00	39.81 1.57 0.00	39.42 1.63 0.00	34.40 1.54 0.00	31.51 1.30 0.00	29.33 1.29 0.00
BOWLINE___1 23526	25.61 1.36 0.00	23.62 1.06 0.00	21.73 1.00 0.00	20.91 0.94 0.00	20.85 0.94 0.00	21.79 0.92 0.00	22.69 0.91 0.00	22.74 1.10 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.31 1.69 0.00	28.32 1.98 0.00	31.38 2.24 0.00	33.56 2.43 0.00	35.10 2.75 0.00	35.96 2.73 0.00	40.21 2.97 -0.16	44.79 3.13 0.00	45.23 3.00 0.00	40.88 2.64 0.00	40.37 2.57 0.00	35.16 2.30 0.00	32.29 2.08 0.00	29.92 1.88 0.00
BOWLINE___2 23595	25.61 1.36 0.00	23.62 1.06 0.00	21.73 1.00 0.00	20.91 0.94 0.00	20.85 0.94 0.00	21.79 0.92 0.00	22.69 0.91 0.00	22.74 1.10 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.31 1.69 0.00	28.32 1.98 0.00	31.38 2.24 0.00	33.56 2.43 0.00	35.10 2.75 0.00	35.96 2.73 0.00	40.21 2.97 -0.16	44.79 3.13 0.00	45.23 3.00 0.00	40.88 2.64 0.00	40.37 2.57 0.00	35.16 2.30 0.00	32.29 2.08 0.00	29.92 1.88 0.00
BRADY___115KV_TB2 356060	23.33 -0.85 0.08	22.19 -0.36 0.00	20.45 -0.29 0.00	19.71 -0.26 0.00	19.69 -0.22 0.00	20.71 -0.17 0.00	21.65 -0.13 0.00	21.49 -0.15 0.00	22.99 -0.19 0.00	23.16 -0.21 0.00	23.10 -0.87 1.65	25.24 -1.11 0.00	27.88 -1.25 0.00	29.89 -1.25 0.00	30.90 -1.46 0.00	31.64 -1.60 0.00	35.41 -1.67 0.00	39.75 -1.92 0.00	40.50 -1.73 0.00	36.91 -1.34 0.00	36.51 -1.29 0.00	31.55 -1.31 0.00	29.18 -1.03 0.00	27.00 -1.04 0.00
BRANSCOMB___SOLAR 323811	25.42 1.16 0.00	23.64 1.08 0.00	21.69 0.95 0.00	20.91 0.94 0.00	20.83 0.92 0.00	21.79 0.92 0.00	22.65 0.87 0.00	22.42 0.78 0.00	24.08 0.90 0.00	24.24 0.87 0.00	26.52 0.90 0.00	27.42 1.08 0.00	30.27 1.14 0.00	32.28 1.15 0.00	33.74 1.39 0.00	34.77 1.53 0.00	38.48 1.59 0.19	43.67 2.00 0.00	44.56 2.32 0.00	40.50 2.26 0.00	40.10 2.31 0.00	34.87 2.00 0.00	31.96 1.75 0.00	29.61 1.57 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	32.15 2.18 -5.71	29.04 1.92 -4.56	25.06 1.80 -2.51	22.91 1.70 -1.24	22.76 1.69 -1.15	23.53 1.73 -0.92	23.50 1.72 0.00	23.48 1.84 0.00	25.36 2.18 0.00	30.53 2.24 -4.91	30.80 2.66 -2.51	35.68 3.11 -6.23	37.57 3.53 -4.91	39.36 3.83 -4.40	46.19 4.24 -9.60	39.10 4.29 -1.58	42.00 4.75 -0.18	46.08 4.42 0.00	46.54 4.31 0.00	42.15 3.90 0.00	41.43 3.63 0.00	36.74 3.88 0.00	33.47 3.26 0.00	31.12 3.08 0.00



BRISTLHL_115KV_TB1 79998	24.03 -0.22 0.00	22.26 -0.29 0.00	20.43 -0.31 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.50 -0.38 0.00	21.43 -0.35 0.00	21.23 -0.41 0.00	22.69 -0.49 0.00	22.98 -0.42 -0.02	25.72 -0.33 -0.43	26.66 -0.24 -0.56	30.03 -0.23 -1.13	32.13 -0.28 -1.28	33.43 -0.26 -1.34	34.15 -0.23 -1.14	38.49 -0.30 -1.71	43.95 -0.25 -2.54	44.42 -0.21 -2.39	39.45 -0.23 -1.43	38.85 -0.23 -1.28	33.68 -0.20 -1.02	31.46 -0.27 -1.52	28.59 -0.22 -0.78
BROOKHAVEN___DRP 24191	32.06 2.09 -5.71	28.90 1.78 -4.56	24.93 1.68 -2.51	22.79 1.58 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.29 1.64 0.00	25.17 1.99 0.00	30.36 2.08 -4.91	30.72 2.59 -2.51	35.60 3.03 -6.23	37.48 3.44 -4.91	39.30 3.77 -4.41	46.14 4.17 -9.61	39.01 4.19 -1.59	41.90 4.63 -0.19	46.13 4.46 0.00	46.59 4.35 0.00	42.23 3.98 -0.01	41.43 3.63 0.00	36.67 3.81 0.00	33.38 3.17 0.00	31.07 3.03 0.00
BROOKLYN_NAVY_YARD 23515	25.98 1.72 0.00	23.89 1.33 0.00	21.98 1.24 0.00	21.13 1.16 0.00	21.07 1.15 0.00	22.02 1.15 0.00	22.95 1.18 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.80 2.18 0.00	28.90 2.55 0.00	32.02 2.88 0.00	34.18 3.05 0.00	35.78 3.43 0.00	36.63 3.39 0.00	41.00 3.74 -0.18	45.58 3.92 0.00	45.95 3.72 0.00	41.54 3.29 0.00	41.08 3.29 0.00	35.75 2.89 0.00	32.84 2.63 0.00	30.45 2.41 0.00
BROOKLYN___ARMY_DRP 323595	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
BROOKVLE_69_KV_TB1 55790	32.08 2.11 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.36 1.57 -0.92	23.34 1.57 0.00	23.35 1.71 0.00	25.22 2.04 0.00	30.43 2.15 -4.91	30.80 2.66 -2.51	35.60 3.03 -6.23	37.48 3.44 -4.91	39.17 3.64 -4.40	45.96 4.01 -9.60	38.84 4.02 -1.58	41.66 4.41 -0.18	46.08 4.42 0.00	46.46 4.22 0.00	41.96 3.71 0.00	41.35 3.55 0.00	36.61 3.75 0.00	33.44 3.23 0.00	31.01 2.97 0.00
BROOME_2_LFGE 323671	24.67 0.41 0.00	22.73 0.18 0.00	20.82 0.08 0.00	19.99 0.02 0.00	19.91 0.00 0.00	20.90 0.02 0.00	21.91 0.13 0.00	21.77 0.13 0.00	23.30 0.12 0.00	23.63 0.26 0.00	26.18 0.46 -0.10	27.03 0.58 -0.11	30.03 0.67 -0.23	32.11 0.72 -0.26	33.43 0.81 -0.27	34.36 0.90 -0.23	38.42 1.00 -0.35	43.39 1.21 -0.51	43.94 1.23 -0.48	39.53 0.99 -0.29	38.89 0.83 -0.26	33.85 0.79 -0.21	31.18 0.66 -0.31	28.90 0.70 -0.16
BROOME___LFGE 323600	24.67 0.41 0.00	22.73 0.18 0.00	20.82 0.08 0.00	19.99 0.02 0.00	19.91 0.00 0.00	20.90 0.02 0.00	21.91 0.13 0.00	21.77 0.13 0.00	23.30 0.12 0.00	23.63 0.26 0.00	26.18 0.46 -0.10	27.03 0.58 -0.11	30.03 0.67 -0.23	32.11 0.72 -0.26	33.43 0.81 -0.27	34.36 0.90 -0.23	38.42 1.00 -0.35	43.39 1.21 -0.51	43.94 1.23 -0.48	39.53 0.99 -0.29	38.89 0.83 -0.26	33.85 0.79 -0.21	31.18 0.66 -0.31	28.90 0.70 -0.16
BROWNFLS_115KV_TB_3_5 80003	23.00 -1.21 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.15 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.63 -0.75 0.00	23.62 -1.23 0.77	25.13 -1.32 -0.10	27.85 -1.49 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.81 -1.86 -0.44	37.05 -1.45 -0.26	36.67 -1.36 -0.23	31.70 -1.35 -0.19	29.31 -1.18 -0.28	26.97 -1.21 -0.14
BROWNSV1_27_KV_LOAD 356125	26.07 1.82 0.00	24.07 1.51 0.00	22.17 1.43 0.00	21.29 1.32 0.00	21.23 1.31 0.00	22.21 1.34 0.00	23.13 1.35 0.00	23.24 1.60 0.00	25.01 1.83 0.00	25.29 1.92 0.00	28.01 2.38 0.00	29.11 2.77 0.00	32.28 3.15 0.00	34.49 3.36 0.00	36.07 3.72 0.00	36.96 3.72 0.00	41.41 4.15 -0.18	46.17 4.50 0.00	46.50 4.27 0.00	41.96 3.71 0.00	41.61 3.82 0.00	36.28 3.42 0.00	33.26 3.05 0.00	30.81 2.78 0.00
BURROWS___LYONSDAL 23803	24.36 0.12 0.01	22.65 0.09 0.00	20.92 0.19 0.00	20.13 0.16 0.00	20.07 0.16 0.00	21.04 0.17 0.00	21.99 0.22 0.00	21.79 0.15 0.00	23.25 0.07 0.00	23.52 0.14 0.00	25.54 0.08 0.16	26.59 0.16 -0.09	29.51 0.20 -0.18	31.64 0.31 -0.20	32.85 0.29 -0.21	33.71 0.30 -0.18	37.75 0.41 -0.27	42.64 0.58 -0.39	43.37 0.76 -0.37	39.31 0.84 -0.22	38.86 0.87 -0.20	33.71 0.69 -0.16	31.02 0.57 -0.24	28.58 0.42 -0.12
CAITHNESS_CC_1 323624	32.13 2.16 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.79 1.58 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.28 1.64 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.75 2.61 -2.51	35.55 2.98 -6.23	37.31 3.26 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.51 3.69 -1.59	40.97 3.71 -0.19	45.08 3.42 0.00	45.57 3.34 0.00	41.32 3.06 -0.01	40.67 2.87 0.00	35.75 2.89 0.00	32.87 2.66 0.00	30.48 2.44 0.00
CALPINE BETH_PAGE_GT4 24209	31.98 2.01 -5.71	28.83 1.71 -4.56	24.87 1.62 -2.51	22.71 1.50 -1.24	22.56 1.49 -1.15	23.32 1.52 -0.92	23.28 1.50 0.00	23.29 1.64 0.00	25.15 1.97 0.00	30.27 1.99 -4.91	30.52 2.38 -2.51	35.34 2.77 -6.23	37.16 3.12 -4.91	38.89 3.36 -4.40	45.71 3.75 -9.60	38.44 3.62 -1.58	41.26 4.00 -0.18	45.54 3.88 0.00	45.95 3.72 0.00	41.53 3.29 0.00	40.93 3.14 0.00	36.25 3.38 0.00	33.11 2.90 0.00	30.73 2.69 0.00
CALPINE_BETH_PAGE_GT_4 323586	32.06 2.09 -5.71	28.83 1.71 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.56 1.49 -1.15	23.32 1.52 -0.92	23.28 1.50 0.00	23.28 1.64 0.00	25.15 1.97 0.00	30.34 2.06 -4.91	30.54 2.41 -2.51	35.36 2.79 -6.23	37.19 3.15 -4.91	38.86 3.33 -4.40	45.64 3.69 -9.60	38.21 3.39 -1.58	40.63 3.37 -0.18	44.88 3.21 0.00	45.32 3.08 0.00	41.00 2.76 0.00	40.44 2.64 0.00	35.65 2.79 0.00	32.78 2.57 0.00	30.36 2.33 0.00
CALPINE_BP_GT1 23823	32.06 2.09 -5.71	28.83 1.71 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.56 1.49 -1.15	23.32 1.52 -0.92	23.28 1.50 0.00	23.28 1.64 0.00	25.15 1.97 0.00	30.34 2.06 -4.91	30.54 2.41 -2.51	35.36 2.79 -6.23	37.19 3.15 -4.91	38.86 3.33 -4.40	45.64 3.69 -9.60	38.21 3.39 -1.58	40.63 3.37 -0.18	44.88 3.21 0.00	45.32 3.08 0.00	41.00 2.76 0.00	40.44 2.64 0.00	35.65 2.79 0.00	32.78 2.57 0.00	30.36 2.33 0.00
CALSPAN___DRP 24200	24.45 0.19 0.00	22.42 -0.14 0.00	20.34 -0.39 0.00	19.35 -0.62 0.00	19.20 -0.72 0.00	20.23 -0.65 0.00	21.62 -0.15 0.00	21.32 -0.32 0.00	22.74 -0.44 0.00	23.16 -0.21 0.00	26.01 0.38 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.75 0.62 0.00	33.00 0.65 0.00	34.13 0.90 0.00	38.04 0.96 0.00	42.75 1.08 0.00	43.16 0.93 0.00	38.86 0.61 0.00	37.95 0.15 0.00	32.89 0.03 0.00	30.15 -0.06 0.00	28.43 0.39 0.00



CALVERTON___SOLAR 323806	32.20 2.23 -5.71	28.95 1.83 -4.56	24.95 1.70 -2.51	22.81 1.60 -1.24	22.64 1.57 -1.15	23.40 1.61 -0.92	23.32 1.55 0.00	23.28 1.64 0.00	25.19 2.02 0.00	30.46 2.17 -4.91	30.82 2.69 -2.51	35.65 3.08 -6.23	37.42 3.38 -4.91	39.21 3.67 -4.41	46.04 4.08 -9.61	38.68 3.85 -1.59	41.15 3.89 -0.19	45.29 3.62 0.00	45.82 3.59 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	32.99 2.78 0.00	30.59 2.55 0.00
CANDIGU_WT_PWR 323617	24.52 0.27 0.00	22.49 -0.07 0.00	20.53 -0.21 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.58 -0.29 0.00	21.82 0.04 0.00	21.62 -0.02 0.00	23.11 -0.07 0.00	23.52 0.14 0.00	26.24 0.56 -0.05	27.06 0.66 -0.06	30.05 0.79 -0.13	32.08 0.81 -0.14	33.34 0.84 -0.15	34.40 1.03 -0.13	38.53 1.26 -0.19	43.45 1.50 -0.28	43.98 1.48 -0.27	39.52 1.11 -0.16	38.77 0.83 -0.14	33.83 0.85 -0.11	31.05 0.66 -0.17	28.99 0.87 -0.09
CARR STREET_E_SYR 24060	24.23 -0.02 0.00	22.42 -0.13 0.00	20.57 -0.17 0.00	19.77 -0.20 0.00	19.70 -0.22 0.00	20.65 -0.23 0.00	21.58 -0.20 0.00	21.42 -0.22 0.00	22.90 -0.28 0.00	23.22 -0.16 -0.01	25.71 -0.03 -0.11	26.56 0.05 -0.17	29.59 0.12 -0.34	31.58 0.06 -0.38	32.75 0.00 -0.40	33.61 0.03 -0.34	37.63 0.04 -0.51	42.55 0.13 -0.76	43.04 0.08 -0.72	38.71 0.04 -0.43	38.18 0.00 -0.38	33.20 0.03 -0.31	30.73 0.06 -0.45	28.33 0.06 -0.23
CARTHAGE___PAPER 23857	23.61 -0.63 0.02	22.01 -0.54 0.00	20.34 -0.39 0.00	19.59 -0.38 0.00	19.56 -0.36 0.00	20.50 -0.38 0.00	21.45 -0.33 0.00	21.21 -0.43 0.00	22.58 -0.60 0.00	22.80 -0.58 -0.01	24.65 -0.77 0.21	25.85 -0.71 -0.21	28.75 -0.82 -0.43	30.90 -0.71 -0.49	32.02 -0.84 -0.51	32.81 -0.86 -0.44	36.88 -0.85 -0.65	41.80 -0.83 -0.97	42.60 -0.55 -0.91	38.60 -0.19 -0.55	38.32 0.04 -0.49	33.12 -0.13 -0.39	30.58 -0.21 -0.58	27.97 -0.37 -0.30
CASSADAGA_WT_PWR 323784	24.79 0.53 0.00	22.69 0.14 0.00	20.65 -0.08 0.00	19.79 -0.18 0.00	19.65 -0.26 0.00	20.77 -0.10 0.00	22.19 0.41 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.98 0.61 0.00	26.93 1.31 0.00	27.71 1.37 0.00	30.73 1.60 0.00	32.81 1.68 0.00	34.06 1.71 0.00	35.20 1.96 0.00	39.38 2.30 0.00	44.21 2.54 0.00	44.60 2.36 0.00	40.12 1.87 0.00	39.12 1.32 0.00	34.30 1.44 0.00	31.48 1.27 0.00	29.58 1.54 0.00
CE_DUNWOOD___DRP 24194	25.71 1.46 0.00	23.77 1.22 0.00	21.88 1.14 0.00	21.05 1.08 0.00	20.97 1.06 0.00	21.94 1.06 0.00	22.84 1.07 0.00	22.90 1.26 0.00	24.64 1.46 0.00	24.89 1.52 0.00	27.52 1.90 0.00	28.56 2.21 0.00	31.67 2.53 0.00	33.84 2.71 0.00	35.39 3.04 0.00	36.29 3.06 0.00	40.59 3.34 -0.18	45.25 3.58 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.82 3.02 0.00	35.62 2.76 0.00	32.63 2.42 0.00	30.22 2.19 0.00
CE_MILLWOOD___DRP 24193	25.66 1.41 0.00	23.71 1.15 0.00	21.84 1.10 0.00	21.01 1.04 0.00	20.93 1.02 0.00	21.90 1.02 0.00	22.80 1.02 0.00	22.85 1.21 0.00	24.57 1.39 0.00	24.82 1.45 0.00	27.44 1.82 0.00	28.48 2.13 0.00	31.55 2.42 0.00	33.75 2.62 0.00	35.30 2.94 0.00	36.16 2.92 0.00	40.48 3.23 -0.17	45.13 3.46 0.00	45.53 3.29 0.00	41.15 2.91 0.00	40.71 2.91 0.00	35.52 2.66 0.00	32.54 2.33 0.00	30.17 2.13 0.00
CE_NYC2_DRP 24202	25.99 1.72 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.08 1.71 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.28 3.14 0.00	35.81 3.46 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.57 3.33 0.00	41.20 3.40 0.00	36.05 3.19 0.00	33.09 2.87 -0.01	30.65 2.61 -0.01
CE_NYC_DRP 24195	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.21 3.08 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.96 2.75 0.00	30.56 2.52 0.00
CHAFFEE___LFGE 323603	24.59 0.34 0.00	22.47 -0.09 0.00	20.40 -0.33 0.00	19.39 -0.58 0.00	19.26 -0.66 0.00	20.29 -0.58 0.00	21.67 -0.11 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.26 -0.12 0.00	26.11 0.49 0.00	26.95 0.61 0.00	29.89 0.76 0.00	31.94 0.81 0.00	33.19 0.84 0.00	34.37 1.13 0.00	38.49 1.41 0.00	43.25 1.58 0.00	43.59 1.35 0.00	39.09 0.84 0.00	38.17 0.38 0.00	33.35 0.49 0.00	30.58 0.36 0.00	28.79 0.76 0.00
CHATEAUG_35_KV_LOAD 355732	23.21 -1.04 0.01	21.86 -0.70 0.00	20.14 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.49 -0.15 0.00	23.11 -0.07 0.00	23.26 -0.12 0.00	25.01 -0.49 0.12	25.61 -0.74 0.00	28.23 -0.90 0.00	30.20 -0.93 0.00	31.22 -1.13 0.00	32.01 -1.23 0.00	35.78 -1.30 0.00	40.25 -1.42 0.00	41.09 -1.14 0.00	37.40 -0.84 0.00	36.93 -0.87 0.00	31.87 -0.99 0.00	29.46 -0.76 0.00	27.31 -0.73 0.00
CHATEAUG_WT_PWR 323614	23.16 -1.09 0.00	21.83 -0.72 0.00	20.12 -0.62 0.00	19.43 -0.54 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.13 -0.05 0.00	23.14 -0.23 0.00	25.14 -0.49 0.00	25.63 -0.71 0.00	28.29 -0.85 0.00	30.26 -0.87 0.00	31.28 -1.07 0.00	32.07 -1.16 0.00	35.74 -1.33 0.00	40.21 -1.46 0.00	41.10 -1.14 0.00	37.37 -0.88 0.00	37.08 -0.72 0.00	31.97 -0.89 0.00	29.49 -0.73 0.00	27.34 -0.70 0.00
CHAT_HIGH_FALL_HYD 323578	23.21 -1.04 0.01	21.86 -0.70 0.00	20.14 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.49 -0.15 0.00	23.11 -0.07 0.00	23.26 -0.12 0.00	25.01 -0.49 0.12	25.61 -0.74 0.00	28.23 -0.90 0.00	30.20 -0.93 0.00	31.22 -1.13 0.00	32.01 -1.23 0.00	35.78 -1.30 0.00	40.25 -1.42 0.00	41.09 -1.14 0.00	37.40 -0.84 0.00	36.93 -0.87 0.00	31.87 -0.99 0.00	29.46 -0.76 0.00	27.31 -0.73 0.00
CHAUTAUQUA___LFGE 323629	24.77 0.51 0.00	22.65 0.09 0.00	20.59 -0.14 0.00	19.63 -0.34 0.00	19.49 -0.42 0.00	20.58 -0.29 0.00	21.97 0.20 0.00	21.75 0.11 0.00	23.23 0.05 0.00	23.70 0.33 0.00	26.60 0.97 0.00	27.37 1.03 0.00	30.36 1.22 0.00	32.44 1.31 0.00	33.71 1.36 0.00	34.83 1.60 0.00	39.00 1.93 0.00	43.83 2.17 0.00	44.22 1.99 0.00	39.70 1.45 0.00	38.74 0.95 0.00	33.91 1.05 0.00	31.12 0.91 0.00	29.24 1.20 0.00
CHERRYST_13_KV_LD 356241	25.98 1.72 0.00	23.98 1.42 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.25 0.00	22.13 1.25 0.00	23.06 1.28 0.00	23.18 1.54 0.00	24.94 1.76 0.00	25.22 1.85 0.00	27.93 2.31 0.00	29.00 2.66 0.00	32.16 3.03 0.00	34.37 3.24 0.00	35.97 3.62 0.00	36.86 3.62 0.00	41.26 4.00 -0.18	46.00 4.33 0.00	46.29 4.05 0.00	41.76 3.52 0.00	41.39 3.59 0.00	36.08 3.22 0.00	33.08 2.87 0.00	30.67 2.64 0.00



CHESTROR_138KV_BK263 355645	25.39 1.14 0.00	23.48 0.92 0.00	21.61 0.87 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.69 0.81 0.00	22.56 0.78 0.00	22.55 0.91 0.00	24.22 1.04 0.00	24.45 1.08 0.00	26.98 1.36 0.00	27.95 1.61 0.00	31.00 1.86 0.00	33.16 2.02 0.00	34.65 2.30 0.00	35.56 2.33 0.00	39.82 2.60 -0.14	44.46 2.79 0.00	44.90 2.66 0.00	40.58 2.33 0.00	40.14 2.34 0.00	35.00 2.14 0.00	32.12 1.90 0.00	29.72 1.68 0.00
CH_MIDHUDSON___DRP 24192	25.61 1.36 0.00	23.68 1.13 0.00	21.82 1.08 0.00	20.99 1.02 0.00	20.93 1.02 0.00	21.88 1.00 0.00	22.76 0.98 0.00	22.72 1.08 0.00	24.38 1.21 0.00	24.61 1.24 0.00	27.14 1.51 0.00	28.13 1.79 0.00	31.23 2.10 0.00	33.40 2.27 0.00	34.91 2.56 0.00	35.83 2.59 0.00	40.09 2.89 -0.12	44.79 3.13 0.00	45.23 3.00 0.00	40.88 2.64 0.00	40.44 2.65 0.00	35.29 2.43 0.00	32.36 2.15 0.00	29.97 1.93 0.00
CH_MISC_IPPS 23765	25.83 1.58 0.00	23.79 1.24 0.00	21.90 1.16 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.41 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.29 3.08 -0.14	45.00 3.33 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.63 2.84 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.08 2.05 0.00
CH_RES_BVR_FALLS 23983	23.70 -0.56 0.00	22.15 -0.41 0.00	20.40 -0.33 0.00	19.71 -0.26 0.00	19.70 -0.22 0.00	20.71 -0.17 0.00	21.63 -0.15 0.00	21.51 -0.13 0.00	23.06 -0.12 0.00	23.18 -0.19 0.00	25.38 -0.28 -0.04	26.00 -0.34 0.00	28.72 -0.41 0.00	30.70 -0.44 0.00	31.83 -0.52 0.00	32.67 -0.57 0.00	36.48 -0.59 0.00	41.00 -0.67 0.00	41.60 -0.63 0.00	37.71 -0.54 0.00	37.30 -0.49 0.00	32.37 -0.49 0.00	29.79 -0.42 0.00	27.64 -0.39 0.00
CH_RES_NIAGARA 23895	23.62 -0.63 0.00	21.68 -0.88 0.00	19.64 -1.10 0.00	18.65 -1.32 0.00	18.60 -1.31 0.00	19.48 -1.40 0.00	20.91 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.79 -0.55 0.00	28.55 -0.58 0.00	30.32 -0.81 0.00	31.51 -0.84 0.00	32.61 -0.63 0.00	36.41 -0.67 0.00	40.92 -0.75 0.00	41.31 -0.93 0.00	37.17 -1.07 0.00	36.40 -1.40 0.00	31.55 -1.31 0.00	28.94 -1.27 0.00	27.31 -0.73 0.00
CH_RES_SYRACUSE 23985	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.80 -0.12 0.00	20.75 -0.12 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.34 -0.05 -0.01	25.93 0.08 -0.23	26.84 0.19 -0.31	29.99 0.23 -0.62	32.06 0.22 -0.70	33.29 0.20 -0.74	34.13 0.26 -0.63	38.32 0.30 -0.95	43.48 0.42 -1.40	43.98 0.42 -1.32	39.34 0.30 -0.79	38.80 0.30 -0.71	33.75 0.33 -0.56	31.26 0.21 -0.84	28.69 0.22 -0.43
CLINTON_WT_PWR 323605	23.16 -1.09 0.00	21.83 -0.72 0.00	20.12 -0.62 0.00	19.43 -0.54 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.13 -0.05 0.00	23.14 -0.23 0.00	25.14 -0.49 0.00	25.63 -0.71 0.00	28.29 -0.85 0.00	30.26 -0.87 0.00	31.28 -1.07 0.00	32.07 -1.16 0.00	35.74 -1.33 0.00	40.21 -1.46 0.00	41.10 -1.14 0.00	37.37 -0.88 0.00	37.08 -0.72 0.00	31.97 -0.89 0.00	29.49 -0.73 0.00	27.34 -0.70 0.00
CLINTON___LFGE 323618	23.36 -0.90 0.00	22.04 -0.52 0.00	20.28 -0.46 0.00	19.59 -0.38 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.40 0.02 0.00	25.33 -0.26 0.03	25.92 -0.42 0.00	28.58 -0.55 0.00	30.57 -0.56 0.00	31.61 -0.74 0.00	32.37 -0.86 0.00	36.19 -0.89 0.00	40.75 -0.92 0.00	41.60 -0.63 0.00	37.86 -0.38 0.00	37.65 -0.15 0.00	32.30 -0.56 0.00	29.79 -0.42 0.00	27.59 -0.45 0.00
COBBLENY_34_KV_TB1 80064	24.52 0.27 0.00	22.46 -0.09 0.00	20.38 -0.35 0.00	19.39 -0.58 0.00	19.24 -0.68 0.00	20.27 -0.61 0.00	21.67 -0.11 0.00	21.38 -0.26 0.00	22.81 -0.37 0.00	23.23 -0.14 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.98 0.84 0.00	31.94 0.81 0.00	33.19 0.84 0.00	34.33 1.10 0.00	38.26 1.19 0.00	43.00 1.33 0.00	43.42 1.18 0.00	39.05 0.80 0.00	38.14 0.34 0.00	33.06 0.20 0.00	30.27 0.06 0.00	28.54 0.50 0.00
COFFEEN___115KV_TB3 355620	23.95 -0.29 0.02	22.24 -0.32 0.00	20.51 -0.23 0.00	19.75 -0.22 0.00	19.69 -0.22 0.00	20.61 -0.27 0.00	21.58 -0.20 0.00	21.27 -0.37 0.00	22.62 -0.56 0.00	22.99 -0.40 -0.01	24.93 -0.59 0.10	26.13 -0.47 -0.26	29.13 -0.52 -0.53	31.29 -0.44 -0.60	32.43 -0.55 -0.63	33.24 -0.53 -0.53	37.36 -0.52 -0.80	42.48 -0.38 -1.19	43.35 0.00 -1.12	39.30 0.38 -0.67	38.89 0.49 -0.60	33.67 0.33 -0.48	31.13 0.21 -0.71	28.40 0.00 -0.36
COLDSPRG_115KV_BK1 355956	24.91 0.65 0.00	22.83 0.27 0.00	20.74 0.00 0.00	19.83 -0.14 0.00	19.69 -0.22 0.00	20.77 -0.10 0.00	22.19 0.41 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.93 0.56 0.00	26.93 1.31 0.00	27.77 1.42 0.00	30.82 1.69 0.00	32.88 1.74 0.00	34.16 1.81 0.00	35.23 1.99 0.00	39.23 2.15 0.00	44.08 2.42 0.00	44.52 2.28 0.00	40.16 1.91 0.00	39.12 1.32 0.00	34.04 1.18 0.00	31.18 0.97 0.00	29.35 1.32 0.00
COLONIE_LFGE___ 323577	25.15 0.90 0.00	23.43 0.88 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.97 0.79 0.00	24.10 0.73 0.00	26.39 0.77 0.00	27.29 0.95 0.00	30.12 0.99 0.00	32.16 1.03 0.00	33.58 1.23 0.00	34.53 1.29 0.00	38.19 1.33 0.22	43.29 1.62 0.00	43.93 1.69 0.00	39.81 1.57 0.00	39.35 1.55 0.00	34.24 1.38 0.00	31.42 1.21 0.00	29.16 1.12 0.00
COOPERNY_115KV_TB1 80082	25.15 0.90 0.00	23.28 0.72 0.00	21.40 0.66 0.00	20.61 0.64 0.00	20.53 0.62 0.00	21.50 0.63 0.00	22.39 0.61 0.00	22.36 0.71 0.00	23.97 0.79 0.00	24.24 0.86 0.00	26.70 1.08 0.00	27.63 1.29 0.00	30.62 1.49 0.00	32.75 1.62 0.00	34.16 1.81 0.00	35.06 1.83 0.00	39.16 2.00 -0.08	43.83 2.17 0.00	44.30 2.07 0.00	40.08 1.84 0.00	39.61 1.81 0.00	34.57 1.71 0.00	31.69 1.48 0.00	29.38 1.35 0.00
COPENHAGEN_WT_PWR 323753	23.80 -0.44 0.01	22.10 -0.45 0.00	20.38 -0.35 0.00	19.63 -0.34 0.00	19.58 -0.34 0.00	20.50 -0.38 0.00	21.43 -0.35 0.00	21.16 -0.48 0.00	22.53 -0.65 0.00	22.82 -0.56 -0.01	24.88 -0.67 0.07	26.04 -0.58 -0.27	29.04 -0.64 -0.55	31.20 -0.56 -0.62	32.33 -0.68 -0.66	33.10 -0.70 -0.56	37.21 -0.71 -0.84	42.29 -0.62 -1.24	43.07 -0.34 -1.17	38.91 -0.04 -0.70	38.58 0.15 -0.63	33.39 0.03 -0.50	30.90 -0.06 -0.74	28.19 -0.23 -0.38
CORNELL_____ 23752	24.91 0.65 0.00	23.01 0.45 0.00	21.07 0.33 0.00	20.25 0.28 0.00	20.17 0.26 0.00	21.17 0.29 0.00	22.17 0.39 0.00	22.01 0.37 0.00	23.53 0.35 0.00	23.82 0.44 -0.01	26.40 0.64 -0.13	27.29 0.79 -0.16	30.38 0.93 -0.32	32.43 0.93 -0.36	33.70 0.97 -0.38	34.62 1.06 -0.32	38.79 1.22 -0.49	44.01 1.63 -0.72	44.65 1.73 -0.68	40.22 1.57 -0.41	39.71 1.55 -0.36	34.50 1.35 -0.29	31.70 1.06 -0.43	29.30 1.04 -0.22



CORONA V_69_KV_TB1 355595	31.98 2.01 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.69 1.48 -1.24	22.54 1.47 -1.15	23.28 1.48 -0.92	23.26 1.48 0.00	23.26 1.62 0.00	25.08 1.90 0.00	30.29 2.01 -4.91	30.62 2.49 -2.51	35.39 2.82 -6.23	37.25 3.20 -4.91	38.95 3.42 -4.40	45.67 3.72 -9.60	38.57 3.76 -1.58	41.40 4.15 -0.18	45.79 4.13 0.00	46.21 3.97 0.00	41.76 3.52 0.00	41.27 3.48 0.00	36.38 3.52 0.00	33.32 3.11 0.00	30.81 2.78 0.00
CORTLAND_115KV_TB3 80093	24.79 0.53 0.00	22.92 0.36 0.00	21.01 0.27 0.00	20.19 0.22 0.00	20.11 0.20 0.00	21.11 0.23 0.00	22.08 0.30 0.00	21.92 0.28 0.00	23.43 0.25 0.00	23.73 0.35 -0.01	26.27 0.54 -0.11	27.16 0.66 -0.16	30.24 0.79 -0.32	32.30 0.81 -0.36	33.57 0.84 -0.38	34.49 0.93 -0.32	38.60 1.04 -0.48	43.72 1.33 -0.72	44.31 1.39 -0.68	39.91 1.26 -0.41	39.41 1.25 -0.36	34.23 1.08 -0.29	31.52 0.88 -0.43	29.10 0.84 -0.22
COXSACKIE__GT 23611	25.86 1.60 0.00	24.27 1.71 0.00	22.29 1.56 0.00	21.47 1.50 0.00	21.39 1.47 0.00	22.42 1.54 0.00	23.19 1.41 0.00	22.72 1.08 0.00	24.27 1.09 0.00	24.17 0.80 0.00	26.34 0.72 0.00	27.19 0.84 0.00	30.12 0.99 0.00	32.22 1.09 0.00	33.71 1.36 0.00	34.80 1.56 0.00	38.90 1.89 0.06	44.21 2.54 0.00	45.02 2.79 0.00	40.92 2.68 0.00	40.55 2.76 0.00	35.13 2.27 0.00	32.27 2.06 0.00	29.83 1.80 0.00
CPV_VALLEY__CC1 323721	25.27 1.02 0.00	23.32 0.77 0.00	21.46 0.73 0.00	20.65 0.68 0.00	20.59 0.68 0.00	21.54 0.67 0.00	22.43 0.65 0.00	22.42 0.78 0.00	24.08 0.90 0.00	24.38 1.00 0.00	26.85 1.23 0.00	27.82 1.47 0.00	30.79 1.66 0.00	32.91 1.77 0.00	34.39 2.04 0.00	35.26 2.03 0.00	39.39 2.19 -0.12	43.96 2.29 0.00	44.47 2.24 0.00	40.20 1.95 0.00	39.72 1.93 0.00	34.57 1.71 0.00	31.75 1.54 0.00	29.44 1.40 0.00
CPV_VALLEY__CC2 323722	25.27 1.02 0.00	23.32 0.77 0.00	21.46 0.73 0.00	20.65 0.68 0.00	20.59 0.68 0.00	21.54 0.67 0.00	22.43 0.65 0.00	22.42 0.78 0.00	24.08 0.90 0.00	24.38 1.00 0.00	26.85 1.23 0.00	27.82 1.47 0.00	30.79 1.66 0.00	32.91 1.77 0.00	34.39 2.04 0.00	35.26 2.03 0.00	39.39 2.19 -0.12	43.96 2.29 0.00	44.47 2.24 0.00	40.20 1.95 0.00	39.72 1.93 0.00	34.57 1.71 0.00	31.75 1.54 0.00	29.44 1.40 0.00
CRESCENT__HYD 24018	25.15 0.90 0.00	23.43 0.88 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.97 0.79 0.00	24.10 0.73 0.00	26.39 0.77 0.00	27.29 0.95 0.00	30.12 0.99 0.00	32.16 1.03 0.00	33.58 1.23 0.00	34.53 1.29 0.00	38.19 1.33 0.22	43.29 1.62 0.00	43.93 1.69 0.00	39.81 1.57 0.00	39.35 1.55 0.00	34.24 1.38 0.00	31.42 1.21 0.00	29.16 1.12 0.00
CRICKET__VALLEY_CC1 323756	25.35 1.09 0.00	23.46 0.90 0.00	21.63 0.89 0.00	20.83 0.86 0.00	20.77 0.86 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.55 0.91 0.00	24.15 0.97 0.00	24.42 1.05 0.00	26.85 1.23 0.00	27.84 1.50 0.00	30.79 1.66 0.00	32.87 1.74 0.00	34.36 2.01 0.00	35.26 2.03 0.00	36.78 2.11 0.24	43.96 2.29 0.00	44.43 2.19 0.00	40.20 1.95 0.00	39.72 1.93 0.00	34.60 1.74 0.00	31.78 1.57 0.00	29.49 1.46 0.00
CRICKET__VALLEY_CC2 323757	25.35 1.09 0.00	23.46 0.90 0.00	21.63 0.89 0.00	20.83 0.86 0.00	20.77 0.86 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.55 0.91 0.00	24.15 0.97 0.00	24.42 1.05 0.00	26.85 1.23 0.00	27.84 1.50 0.00	30.79 1.66 0.00	32.87 1.74 0.00	34.36 2.01 0.00	35.26 2.03 0.00	36.78 2.11 0.24	43.96 2.29 0.00	44.43 2.19 0.00	40.20 1.95 0.00	39.72 1.93 0.00	34.60 1.74 0.00	31.78 1.57 0.00	29.49 1.46 0.00
CRICKET__VALLEY_CC3 323758	25.35 1.09 0.00	23.46 0.90 0.00	21.63 0.89 0.00	20.83 0.86 0.00	20.77 0.86 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.55 0.91 0.00	24.15 0.97 0.00	24.42 1.05 0.00	26.85 1.23 0.00	27.84 1.50 0.00	30.79 1.66 0.00	32.87 1.74 0.00	34.36 2.01 0.00	35.26 2.03 0.00	36.78 2.11 0.24	43.96 2.29 0.00	44.43 2.19 0.00	40.20 1.95 0.00	39.72 1.93 0.00	34.60 1.74 0.00	31.78 1.57 0.00	29.49 1.46 0.00
CRUCIBLE_METL_DRP 24180	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 -0.01	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43
DAHOWA__HYDRO 323763	25.47 1.21 0.00	23.70 1.15 0.00	21.73 1.00 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.86 0.98 0.00	22.71 0.94 0.00	22.44 0.80 0.00	24.15 0.97 0.00	24.31 0.94 0.00	26.57 0.95 0.00	27.50 1.16 0.00	30.30 1.17 0.00	32.34 1.21 0.00	33.84 1.49 0.00	34.83 1.60 0.00	38.60 1.71 0.18	43.83 2.17 0.00	44.77 2.53 0.00	40.70 2.45 0.00	40.33 2.53 0.00	35.06 2.20 0.00	32.12 1.90 0.00	29.75 1.71 0.00
DANC__LFGE 323619	23.86 -0.39 0.01	22.13 -0.43 0.00	20.38 -0.35 0.00	19.61 -0.36 0.00	19.53 -0.38 0.00	20.46 -0.42 0.00	21.36 -0.41 0.00	21.12 -0.52 0.00	22.53 -0.65 0.00	22.85 -0.54 -0.02	25.14 -0.56 -0.08	26.21 -0.47 -0.34	29.30 -0.52 -0.69	31.42 -0.50 -0.78	32.62 -0.55 -0.82	33.37 -0.57 -0.70	37.50 -0.63 -1.05	42.64 -0.58 -1.56	43.32 -0.38 -1.47	38.94 -0.19 -0.88	38.51 -0.08 -0.79	33.39 -0.10 -0.63	30.99 -0.15 -0.93	28.29 -0.23 -0.48
DANSKAMMER__1 23586	25.83 1.58 0.00	23.79 1.24 0.00	21.90 1.16 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.41 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.29 3.08 -0.14	45.00 3.33 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.63 2.84 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.08 2.05 0.00
DANSKAMMER__2 23589	25.83 1.58 0.00	23.79 1.24 0.00	21.90 1.16 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.41 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.29 3.08 -0.14	45.00 3.33 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.63 2.84 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.08 2.05 0.00
DANSKAMMER__3 23590	25.83 1.58 0.00	23.79 1.24 0.00	21.90 1.16 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.41 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.29 3.08 -0.14	45.00 3.33 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.63 2.84 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.08 2.05 0.00



DANSKAMMER___4 23591	25.83 1.58 0.00	23.79 1.24 0.00	21.90 1.16 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.77 1.40 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.41 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.29 3.08 -0.14	45.00 3.33 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.63 2.84 0.00	35.36 2.50 0.00	32.51 2.29 0.00	30.08 2.05 0.00
DANSKAMMER___DIESEL 23592	25.76 1.50 0.00	23.80 1.24 0.00	21.92 1.18 0.00	21.07 1.10 0.00	21.01 1.10 0.00	21.98 1.11 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.70 1.33 0.00	27.24 1.61 0.00	28.24 1.90 0.00	31.40 2.27 0.00	33.59 2.46 0.00	35.13 2.78 0.00	36.06 2.83 0.00	40.36 3.15 -0.14	45.13 3.46 0.00	45.57 3.34 0.00	41.15 2.91 0.00	40.74 2.95 0.00	35.52 2.66 0.00	32.57 2.36 0.00	30.17 2.13 0.00
DARBY___SOLAR 323810	25.42 1.16 0.00	23.64 1.08 0.00	21.69 0.95 0.00	20.91 0.94 0.00	20.83 0.92 0.00	21.79 0.92 0.00	22.67 0.89 0.00	22.42 0.78 0.00	24.11 0.93 0.00	24.28 0.91 0.00	26.54 0.92 0.00	27.48 1.13 0.00	30.30 1.17 0.00	32.34 1.21 0.00	33.81 1.46 0.00	34.83 1.60 0.00	38.56 1.67 0.19	43.75 2.08 0.00	44.60 2.36 0.00	40.54 2.29 0.00	40.14 2.34 0.00	34.90 2.04 0.00	31.96 1.75 0.00	29.63 1.60 0.00
DASHVILLE___HYD 23610	25.59 1.33 0.00	23.62 1.06 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.84 0.96 0.00	22.69 0.91 0.00	22.66 1.02 0.00	24.32 1.14 0.00	24.59 1.22 0.00	27.16 1.54 0.00	28.16 1.82 0.00	31.32 2.18 0.00	33.50 2.37 0.00	35.00 2.65 0.00	35.93 2.69 0.00	40.15 3.00 -0.07	44.88 3.21 0.00	45.28 3.04 0.00	40.88 2.64 0.00	40.48 2.68 0.00	35.33 2.46 0.00	32.42 2.21 0.00	30.00 1.96 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	32.54 2.57 -5.71	29.31 2.19 -4.56	25.26 2.01 -2.51	23.09 1.88 -1.24	22.90 1.83 -1.15	23.65 1.86 -0.92	23.56 1.79 0.00	23.50 1.86 0.00	25.47 2.29 0.00	30.71 2.43 -4.91	31.31 3.18 -2.51	36.31 3.74 -6.23	38.30 4.25 -4.91	40.18 4.64 -4.41	47.04 5.08 -9.61	39.91 5.09 -1.59	42.90 5.64 -0.19	47.21 5.54 0.00	47.68 5.45 0.00	43.19 4.93 -0.01	42.22 4.42 0.00	37.43 4.57 0.00	33.96 3.75 0.00	31.60 3.56 0.00
DELAWARE___LFGE 323621	25.06 0.80 0.00	23.19 0.63 0.00	21.30 0.56 0.00	20.53 0.56 0.00	20.45 0.54 0.00	21.42 0.54 0.00	22.34 0.57 0.00	22.23 0.58 0.00	23.78 0.60 0.00	24.08 0.70 0.00	26.54 0.87 -0.04	27.44 1.05 -0.05	30.42 1.19 -0.10	32.55 1.31 -0.11	33.89 1.42 -0.11	34.80 1.46 -0.10	38.82 1.59 -0.15	43.68 1.79 -0.22	44.30 1.86 -0.20	40.05 1.68 -0.12	39.57 1.66 -0.11	34.39 1.45 -0.09	31.61 1.27 -0.13	29.25 1.15 -0.07
DERFIELD_115KV_TB7 355931	24.42 0.17 0.00	22.69 0.14 0.00	20.86 0.12 0.00	20.09 0.12 0.00	20.03 0.12 0.00	20.98 0.10 0.00	21.89 0.11 0.00	21.75 0.11 0.00	23.27 0.09 0.00	23.47 0.09 0.00	25.75 0.15 0.03	26.55 0.21 0.00	29.37 0.23 0.00	31.41 0.28 0.00	32.67 0.32 0.00	33.57 0.33 0.00	37.41 0.33 0.00	42.04 0.38 0.00	42.62 0.38 0.00	38.59 0.34 0.00	38.14 0.34 0.00	33.19 0.33 0.00	30.48 0.27 0.00	28.29 0.25 0.00
DOGLEVILLE___HYD 23807	24.57 0.31 0.00	22.80 0.25 0.00	20.97 0.23 0.00	20.21 0.24 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.06 0.28 0.00	21.92 0.28 0.00	23.46 0.28 0.00	23.72 0.35 0.00	25.93 0.33 0.03	26.76 0.42 0.00	29.60 0.46 0.00	31.66 0.53 0.00	32.87 0.52 0.00	33.80 0.56 0.00	37.67 0.59 0.00	42.37 0.71 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.45 0.59 0.00	30.76 0.54 0.00	28.54 0.51 0.00
DUNKIRK___115KV_TB_200 55889	24.67 0.41 0.00	22.62 0.07 0.00	20.55 -0.19 0.00	19.61 -0.36 0.00	19.46 -0.46 0.00	20.52 -0.35 0.00	21.93 0.15 0.00	21.71 0.06 0.00	23.18 0.00 0.00	23.61 0.23 0.00	26.52 0.90 0.00	27.37 1.03 0.00	30.39 1.25 0.00	32.35 1.21 0.00	33.61 1.26 0.00	34.73 1.50 0.00	38.71 1.63 0.00	43.50 1.83 0.00	43.97 1.73 0.00	39.58 1.34 0.00	38.63 0.83 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.93 0.90 0.00
DUNKIRK___1 23563	24.67 0.41 0.00	22.62 0.07 0.00	20.55 -0.19 0.00	19.61 -0.36 0.00	19.46 -0.46 0.00	20.52 -0.35 0.00	21.93 0.15 0.00	21.71 0.06 0.00	23.18 0.00 0.00	23.61 0.23 0.00	26.52 0.90 0.00	27.37 1.03 0.00	30.39 1.25 0.00	32.35 1.21 0.00	33.61 1.26 0.00	34.73 1.50 0.00	38.71 1.63 0.00	43.50 1.83 0.00	43.97 1.73 0.00	39.58 1.34 0.00	38.63 0.83 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.93 0.90 0.00
DUNKIRK___2 23564	24.67 0.41 0.00	22.62 0.07 0.00	20.55 -0.19 0.00	19.61 -0.36 0.00	19.46 -0.46 0.00	20.52 -0.35 0.00	21.93 0.15 0.00	21.71 0.06 0.00	23.18 0.00 0.00	23.61 0.23 0.00	26.52 0.90 0.00	27.37 1.03 0.00	30.39 1.25 0.00	32.35 1.21 0.00	33.61 1.26 0.00	34.73 1.50 0.00	38.71 1.63 0.00	43.50 1.83 0.00	43.97 1.73 0.00	39.58 1.34 0.00	38.63 0.83 0.00	33.55 0.69 0.00	30.76 0.54 0.00	28.93 0.90 0.00
DUNKIRK___3 23565	24.55 0.29 0.00	22.51 -0.05 0.00	20.45 -0.29 0.00	19.49 -0.48 0.00	19.34 -0.58 0.00	20.38 -0.50 0.00	21.78 0.00 0.00	21.53 -0.11 0.00	22.99 -0.19 0.00	23.40 0.02 0.00	26.29 0.67 0.00	27.13 0.79 0.00	30.09 0.96 0.00	32.07 0.93 0.00	33.32 0.97 0.00	34.43 1.20 0.00	38.37 1.30 0.00	43.17 1.50 0.00	43.59 1.35 0.00	39.28 1.03 0.00	38.33 0.53 0.00	33.29 0.43 0.00	30.48 0.27 0.00	28.71 0.67 0.00
DUNKIRK___4 23566	24.55 0.29 0.00	22.51 -0.05 0.00	20.45 -0.29 0.00	19.49 -0.48 0.00	19.34 -0.58 0.00	20.38 -0.50 0.00	21.78 0.00 0.00	21.53 -0.11 0.00	22.99 -0.19 0.00	23.40 0.02 0.00	26.29 0.67 0.00	27.13 0.79 0.00	30.09 0.96 0.00	32.07 0.93 0.00	33.32 0.97 0.00	34.43 1.20 0.00	38.37 1.30 0.00	43.17 1.50 0.00	43.59 1.35 0.00	39.28 1.03 0.00	38.33 0.53 0.00	33.29 0.43 0.00	30.48 0.27 0.00	28.71 0.67 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	25.76 1.50 0.00	23.82 1.26 0.00	21.92 1.18 0.00	21.07 1.10 0.00	21.01 1.10 0.00	21.98 1.11 0.00	22.89 1.11 0.00	22.96 1.32 0.00	24.71 1.53 0.00	24.96 1.59 0.00	27.60 1.97 0.00	28.66 2.32 0.00	31.75 2.62 0.00	33.96 2.83 0.00	35.52 3.17 0.00	36.39 3.16 0.00	40.74 3.49 -0.18	45.38 3.71 0.00	45.78 3.55 0.00	41.34 3.10 0.00	40.93 3.14 0.00	35.75 2.89 0.00	32.72 2.51 0.00	30.34 2.30 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	25.56 1.31 0.00	23.62 1.06 0.00	21.75 1.02 0.00	20.91 0.94 0.00	20.85 0.94 0.00	21.82 0.94 0.00	22.67 0.89 0.00	22.66 1.02 0.00	24.32 1.14 0.00	24.56 1.19 0.00	27.11 1.49 0.00	28.11 1.76 0.00	31.20 2.07 0.00	33.37 2.24 0.00	34.87 2.52 0.00	35.80 2.56 0.00	40.07 2.85 -0.13	44.75 3.08 0.00	45.19 2.96 0.00	40.85 2.60 0.00	40.40 2.61 0.00	35.23 2.37 0.00	32.33 2.11 0.00	29.94 1.91 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	26.08 1.82 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.32 1.34 -0.01	21.25 1.33 0.00	22.07 1.19 0.00	22.89 1.11 0.00	22.96 1.32 0.00	24.71 1.53 0.00	24.96 1.59 0.00	27.67 2.05 0.00	28.79 2.45 0.00	31.93 2.80 0.00	34.15 3.02 0.00	35.68 3.33 0.00	36.53 3.29 0.00	40.81 3.56 -0.18	45.54 3.88 0.00	45.87 3.63 0.00	41.42 3.17 0.00	41.05 3.25 0.00	35.98 3.12 0.00	33.09 2.87 -0.01	30.74 2.69 -0.01
E179THST_13_KV_LOAD 356214	26.20 1.94 -0.01	24.20 1.65 0.00	22.30 1.56 -0.01	21.42 1.44 -0.01	21.33 1.41 0.00	22.17 1.29 0.00	23.00 1.22 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.80 2.18 0.00	28.92 2.58 0.00	32.10 2.97 0.00	34.34 3.21 0.00	35.88 3.53 0.00	36.73 3.49 0.00	41.07 3.82 -0.18	45.83 4.17 0.00	46.16 3.93 0.00	41.65 3.40 0.00	41.27 3.48 0.00	36.18 3.32 0.00	33.30 3.08 -0.01	30.93 2.89 -0.01
EAST HAMPTON___GT 23717	32.85 2.88 -5.71	29.47 2.35 -4.56	25.41 2.16 -2.51	23.21 2.00 -1.24	23.00 1.93 -1.15	23.71 1.92 -0.92	23.61 1.83 0.00	23.52 1.88 0.00	25.52 2.34 0.00	30.88 2.59 -4.91	31.54 3.41 -2.51	36.52 3.95 -6.23	38.39 4.34 -4.91	40.24 4.70 -4.41	47.04 5.08 -9.61	39.64 4.82 -1.59	42.19 4.93 -0.19	46.46 4.79 0.00	47.05 4.81 0.00	42.61 4.36 -0.01	41.73 3.93 0.00	36.74 3.88 0.00	33.56 3.35 0.00	31.15 3.11 0.00
EAST RIVER___6 23660	26.02 1.77 0.00	23.93 1.38 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.02 1.24 0.00	23.13 1.49 0.00	24.92 1.74 0.00	25.26 1.89 0.00	27.90 2.28 0.00	28.98 2.63 0.00	32.11 2.97 0.00	34.27 3.14 0.00	35.91 3.56 0.00	36.76 3.52 0.00	41.14 3.89 -0.18	45.75 4.09 0.00	46.12 3.88 0.00	41.65 3.40 0.00	41.20 3.40 0.00	35.82 2.96 0.00	32.93 2.72 0.00	30.51 2.47 0.00
EAST RIVER___7 23524	26.02 1.77 0.00	23.93 1.38 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.02 1.24 0.00	23.13 1.49 0.00	24.92 1.74 0.00	25.26 1.89 0.00	27.90 2.28 0.00	28.98 2.63 0.00	32.11 2.97 0.00	34.27 3.14 0.00	35.91 3.56 0.00	36.76 3.52 0.00	41.14 3.89 -0.18	45.75 4.09 0.00	46.12 3.88 0.00	41.65 3.40 0.00	41.20 3.40 0.00	35.82 2.96 0.00	32.93 2.72 0.00	30.51 2.47 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	25.71 1.46 0.00	23.77 1.22 0.00	21.88 1.14 0.00	21.05 1.08 0.00	20.97 1.06 0.00	21.94 1.06 0.00	22.84 1.07 0.00	22.90 1.26 0.00	24.64 1.46 0.00	24.89 1.52 0.00	27.52 1.90 0.00	28.56 2.21 0.00	31.67 2.53 0.00	33.84 2.71 0.00	35.39 3.04 0.00	36.29 3.06 0.00	40.59 3.34 -0.18	45.25 3.58 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.82 3.02 0.00	35.62 2.76 0.00	32.63 2.42 0.00	30.22 2.19 0.00
EAST_HAMPTON___DIESEL 23722	32.83 2.86 -5.71	29.47 2.35 -4.56	25.39 2.14 -2.51	23.19 1.98 -1.24	22.98 1.91 -1.15	23.69 1.90 -0.92	23.58 1.81 0.00	23.50 1.86 0.00	25.50 2.32 0.00	30.85 2.57 -4.91	31.49 3.36 -2.51	36.47 3.90 -6.23	38.33 4.28 -4.91	40.18 4.64 -4.41	46.98 5.01 -9.61	39.58 4.75 -1.59	42.12 4.86 -0.19	46.37 4.71 0.00	46.96 4.73 0.00	42.54 4.28 -0.01	41.65 3.86 0.00	36.70 3.84 0.00	33.54 3.32 0.00	31.09 3.06 0.00
EAST_POINT___SOLAR 323840	26.29 2.04 0.00	24.36 1.81 0.00	22.27 1.53 0.00	21.47 1.50 0.00	21.37 1.45 0.00	22.34 1.46 0.00	23.17 1.39 0.00	22.72 1.08 0.00	24.04 0.86 0.00	23.89 0.51 0.00	26.39 0.77 0.00	27.19 0.84 0.00	30.18 1.05 0.00	32.25 1.12 0.00	33.74 1.39 0.00	34.83 1.60 0.00	38.38 1.41 0.11	43.92 2.25 0.00	46.25 4.01 0.00	42.49 4.24 0.00	42.03 4.23 0.00	36.41 3.55 0.00	33.45 3.23 0.00	30.90 2.86 0.00
EAST_PULASKI___ESR 323781	23.98 -0.27 0.01	22.22 -0.34 0.00	20.40 -0.33 0.00	19.63 -0.34 0.00	19.56 -0.36 0.00	20.48 -0.40 0.00	21.36 -0.41 0.00	21.16 -0.48 0.00	22.60 -0.58 0.00	22.90 -0.49 -0.02	25.52 -0.41 -0.30	26.49 -0.34 -0.49	29.78 -0.35 -0.99	31.88 -0.37 -1.12	33.14 -0.39 -1.18	33.84 -0.40 -1.00	38.14 -0.44 -1.51	43.48 -0.42 -2.23	44.00 -0.34 -2.10	39.28 -0.23 -1.26	38.73 -0.19 -1.13	33.63 -0.13 -0.90	31.37 -0.18 -1.33	28.53 -0.19 -0.69
EAST_RIVER___1 323558	26.00 1.75 0.00	23.91 1.35 0.00	22.00 1.27 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.20 1.82 0.00	27.83 2.20 0.00	28.90 2.55 0.00	32.05 2.91 0.00	34.21 3.08 0.00	35.81 3.46 0.00	36.66 3.42 0.00	41.04 3.78 -0.18	45.63 3.96 0.00	45.99 3.76 0.00	41.54 3.29 0.00	41.08 3.29 0.00	35.75 2.89 0.00	32.87 2.66 0.00	30.45 2.41 0.00
EAST_RIVER___2 323559	26.02 1.77 0.00	23.93 1.38 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.02 1.24 0.00	23.13 1.49 0.00	24.92 1.74 0.00	25.26 1.89 0.00	27.90 2.28 0.00	28.98 2.63 0.00	32.11 2.97 0.00	34.27 3.14 0.00	35.91 3.56 0.00	36.76 3.52 0.00	41.14 3.89 -0.18	45.75 4.09 0.00	46.12 3.88 0.00	41.65 3.40 0.00	41.20 3.40 0.00	35.82 2.96 0.00	32.93 2.72 0.00	30.51 2.47 0.00
EAST___DELAWARE_HYD 23607	25.08 0.83 0.00	23.07 0.52 0.00	21.21 0.48 0.00	20.41 0.44 0.00	20.35 0.44 0.00	21.29 0.42 0.00	22.12 0.35 0.00	22.03 0.39 0.00	23.62 0.44 0.00	23.96 0.58 0.00	26.34 0.72 0.00	27.32 0.98 0.00	30.36 1.22 0.00	31.69 0.56 0.00	33.10 0.74 0.00	33.97 0.73 0.00	38.03 0.85 -0.10	42.50 0.83 0.00	43.00 0.76 0.00	38.90 0.65 0.00	38.48 0.68 0.00	34.34 1.48 0.00	31.57 1.36 0.00	29.19 1.15 0.00
EIGHT_POINT___WT_PWR 323820	24.69 0.44 0.00	22.65 0.09 0.00	20.65 -0.08 0.00	19.79 -0.18 0.00	19.70 -0.22 0.00	20.77 -0.10 0.00	22.06 0.28 0.00	21.88 0.24 0.00	23.41 0.23 0.00	23.84 0.47 0.00	26.63 0.95 -0.05	27.49 1.08 -0.06	30.51 1.25 -0.13	32.55 1.28 -0.14	33.83 1.33 -0.15	34.89 1.53 -0.13	39.12 1.85 -0.19	44.20 2.25 -0.29	44.78 2.28 -0.27	40.21 1.80 -0.16	39.41 1.47 -0.14	34.42 1.44 -0.11	31.59 1.21 -0.17	29.53 1.40 -0.09
ELBRIDGE_115KV_TB2 80188	24.25 0.00 0.00	22.44 -0.11 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.69 -0.22 0.00	20.67 -0.21 0.00	21.60 -0.17 0.00	21.42 -0.22 0.00	22.92 -0.25 0.00	23.20 -0.19 -0.01	25.82 -0.05 -0.25	26.72 0.05 -0.33	29.88 0.09 -0.66	31.94 0.06 -0.75	33.20 0.06 -0.78	34.00 0.10 -0.67	38.19 0.11 -1.00	43.36 0.21 -1.48	43.89 0.25 -1.40	39.24 0.15 -0.84	38.70 0.15 -0.75	33.59 0.13 -0.60	31.13 0.03 -0.89	28.55 0.06 -0.46
ELEC_TRO_TEK 24086	31.81 1.84 -5.71	28.68 1.56 -4.56	24.70 1.45 -2.51	22.57 1.36 -1.24	22.42 1.35 -1.15	23.17 1.38 -0.92	23.15 1.37 0.00	23.16 1.51 0.00	24.99 1.81 0.00	30.15 1.87 -4.91	30.44 2.31 -2.51	35.23 2.66 -6.23	37.05 3.00 -4.91	38.76 3.24 -4.40	45.54 3.59 -9.60	38.40 3.59 -1.58	41.22 3.97 -0.18	45.58 3.92 0.00	45.99 3.76 0.00	41.57 3.33 0.00	41.01 3.21 0.00	36.15 3.29 0.00	33.05 2.84 0.00	30.67 2.64 0.00



ELLENBURG_WT_PWR 323604	23.16 -1.09 0.00	21.83 -0.72 0.00	20.12 -0.62 0.00	19.43 -0.54 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.13 -0.05 0.00	23.14 -0.23 0.00	25.14 -0.49 0.00	25.63 -0.71 0.00	28.29 -0.85 0.00	30.26 -0.87 0.00	31.28 -1.07 0.00	32.07 -1.16 0.00	35.74 -1.33 0.00	40.21 -1.46 0.00	41.10 -1.14 0.00	37.37 -0.88 0.00	37.08 -0.72 0.00	31.97 -0.89 0.00	29.49 -0.73 0.00	27.34 -0.70 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	24.33 0.07 0.00	22.31 -0.25 0.00	20.24 -0.50 0.00	19.25 -0.72 0.00	19.10 -0.82 0.00	20.13 -0.75 0.00	21.54 -0.24 0.00	21.21 -0.43 0.00	22.62 -0.56 0.00	23.02 -0.35 0.00	25.85 0.23 0.00	26.71 0.37 0.00	29.63 0.50 0.00	31.51 0.37 0.00	32.77 0.42 0.00	33.87 0.63 0.00	37.78 0.70 0.00	42.46 0.79 0.00	42.87 0.63 0.00	38.59 0.34 0.00	37.72 -0.08 0.00	32.70 -0.16 0.00	29.97 -0.24 0.00	28.26 0.22 0.00
EMPIRE_CC_1 323656	24.96 0.70 0.00	23.32 0.77 0.00	21.46 0.73 0.00	20.69 0.72 0.00	20.63 0.72 0.00	21.57 0.69 0.00	22.41 0.63 0.00	22.29 0.65 0.00	23.87 0.69 0.00	23.84 0.47 0.00	26.11 0.49 0.00	26.97 0.63 0.00	29.77 0.64 0.00	31.79 0.65 0.00	33.16 0.81 0.00	34.07 0.83 0.00	37.59 0.81 0.30	42.63 0.96 0.00	43.16 0.93 0.00	39.09 0.84 0.00	38.67 0.87 0.00	33.65 0.79 0.00	30.94 0.72 0.00	28.74 0.70 0.00
EMPIRE_CC_2 323658	24.96 0.70 0.00	23.32 0.77 0.00	21.46 0.73 0.00	20.69 0.72 0.00	20.63 0.72 0.00	21.57 0.69 0.00	22.41 0.63 0.00	22.29 0.65 0.00	23.87 0.69 0.00	23.84 0.47 0.00	26.11 0.49 0.00	26.97 0.63 0.00	29.77 0.64 0.00	31.79 0.65 0.00	33.16 0.81 0.00	34.07 0.83 0.00	37.59 0.81 0.30	42.63 0.96 0.00	43.16 0.93 0.00	39.09 0.84 0.00	38.67 0.87 0.00	33.65 0.79 0.00	30.94 0.72 0.00	28.74 0.70 0.00
ENORWICH_115KV_TB1 80156	25.86 1.60 0.00	23.84 1.29 0.00	21.84 1.10 0.00	21.05 1.08 0.00	20.99 1.08 0.00	22.03 1.15 0.00	23.17 1.39 0.00	22.92 1.28 0.00	24.41 1.23 0.00	24.90 1.52 0.00	27.41 1.69 -0.09	28.38 1.92 -0.11	31.54 2.18 -0.22	33.84 2.46 -0.25	34.97 2.36 -0.26	36.02 2.56 -0.22	40.38 2.97 -0.34	45.79 3.63 -0.50	46.72 4.01 -0.47	42.31 3.79 -0.28	41.79 3.74 -0.25	36.28 3.22 -0.20	33.32 2.81 -0.30	30.74 2.55 -0.15
ERIE_ST__34_KV_TB1-2 80199	24.55 0.29 0.00	22.49 -0.07 0.00	20.41 -0.33 0.00	19.41 -0.56 0.00	19.26 -0.66 0.00	20.29 -0.58 0.00	21.69 -0.09 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.26 -0.12 0.00	26.14 0.51 0.00	27.05 0.71 0.00	30.04 0.90 0.00	32.00 0.87 0.00	33.29 0.94 0.00	34.43 1.20 0.00	38.34 1.26 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.13 0.88 0.00	38.14 0.34 0.00	33.06 0.20 0.00	30.27 0.06 0.00	28.57 0.53 0.00
ERIE_WT_PWR 323693	24.55 0.29 0.00	22.42 -0.13 0.00	20.38 -0.35 0.00	19.35 -0.62 0.00	19.22 -0.70 0.00	20.27 -0.61 0.00	21.65 -0.13 0.00	21.34 -0.30 0.00	22.76 -0.42 0.00	23.18 -0.19 0.00	26.03 0.41 0.00	26.84 0.50 0.00	29.77 0.64 0.00	31.79 0.65 0.00	33.03 0.68 0.00	34.20 0.96 0.00	38.30 1.22 0.00	43.04 1.37 0.00	43.38 1.14 0.00	38.90 0.65 0.00	38.02 0.23 0.00	33.22 0.36 0.00	30.45 0.24 0.00	28.71 0.67 0.00
ESPRGFLD_115KV_TB1 80157	25.71 1.46 0.00	23.77 1.22 0.00	21.77 1.04 0.00	20.97 1.00 0.00	20.89 0.98 0.00	21.90 1.02 0.00	22.87 1.09 0.00	22.64 1.00 0.00	24.15 0.97 0.00	24.45 1.08 0.00	26.93 1.31 0.00	27.84 1.50 0.00	30.88 1.75 0.00	33.06 1.93 0.00	34.42 2.07 0.00	35.46 2.23 0.00	39.27 2.26 0.07	44.46 2.79 0.00	45.57 3.34 0.00	41.42 3.17 0.00	40.90 3.10 0.00	35.52 2.66 0.00	32.60 2.39 0.00	30.14 2.10 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	24.89 0.63 0.00	22.98 0.43 0.00	21.05 0.31 0.00	20.23 0.26 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.15 0.37 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.80 0.42 -0.01	26.38 0.61 -0.14	27.24 0.74 -0.16	30.34 0.87 -0.33	32.38 0.87 -0.37	33.65 0.91 -0.39	34.57 1.00 -0.34	38.73 1.15 -0.50	43.91 1.50 -0.74	44.58 1.65 -0.70	40.16 1.49 -0.42	39.65 1.47 -0.38	34.44 1.28 -0.30	31.68 1.03 -0.45	29.25 0.98 -0.23
ETNA____115KV_TB2 80207	24.89 0.63 0.00	22.98 0.43 0.00	21.05 0.31 0.00	20.23 0.26 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.15 0.37 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.80 0.42 -0.01	26.38 0.61 -0.14	27.24 0.74 -0.16	30.34 0.87 -0.33	32.38 0.87 -0.37	33.65 0.91 -0.39	34.57 1.00 -0.34	38.73 1.15 -0.50	43.91 1.50 -0.74	44.58 1.65 -0.70	40.16 1.49 -0.42	39.65 1.47 -0.38	34.44 1.28 -0.30	31.68 1.03 -0.45	29.25 0.98 -0.23
EUCLID__115KV_TB2 356179	24.08 -0.17 0.00	22.33 -0.23 0.00	20.49 -0.25 0.00	19.69 -0.28 0.00	19.62 -0.30 0.00	20.56 -0.31 0.00	21.49 -0.28 0.00	21.32 -0.32 0.00	22.79 -0.39 0.00	23.05 -0.33 -0.01	25.50 -0.20 -0.08	26.38 -0.11 -0.14	29.33 -0.09 -0.28	31.33 -0.12 -0.32	32.56 -0.13 -0.34	33.42 -0.10 -0.29	37.36 -0.15 -0.43	42.22 -0.08 -0.64	42.75 -0.08 -0.60	38.45 -0.15 -0.36	37.97 -0.15 -0.32	32.99 -0.13 -0.26	30.41 -0.18 -0.38	28.09 -0.14 -0.20
E_CANADA_CAP_HY 24051	26.08 1.82 0.00	24.13 1.58 0.00	22.11 1.37 0.00	21.29 1.32 0.00	21.21 1.29 0.00	22.21 1.34 0.00	23.13 1.35 0.00	22.79 1.15 0.00	24.31 1.14 0.00	24.45 1.08 0.00	26.90 1.28 0.00	27.79 1.45 0.00	30.79 1.66 0.00	32.94 1.80 0.00	34.42 2.07 0.00	35.50 2.26 0.00	39.13 2.15 0.10	44.54 2.87 0.00	45.99 3.76 0.00	42.00 3.75 0.00	41.46 3.67 0.00	35.95 3.09 0.00	33.11 2.90 0.00	30.59 2.55 0.00
E_CANADA_MHWK_HY 24050	24.57 0.31 0.00	22.80 0.25 0.00	20.97 0.23 0.00	20.21 0.24 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.06 0.28 0.00	21.92 0.28 0.00	23.46 0.28 0.00	23.72 0.35 0.00	25.93 0.33 0.03	26.76 0.42 0.00	29.60 0.46 0.00	31.66 0.53 0.00	32.87 0.52 0.00	33.80 0.56 0.00	37.67 0.59 0.00	42.37 0.71 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.45 0.59 0.00	30.76 0.54 0.00	28.54 0.51 0.00
E_FISHKILL__LBMP 23776	25.49 1.24 0.00	23.59 1.04 0.00	21.73 1.00 0.00	20.91 0.94 0.00	20.85 0.94 0.00	21.80 0.92 0.00	22.69 0.91 0.00	22.70 1.06 0.00	24.38 1.21 0.00	24.59 1.22 0.00	27.16 1.54 0.00	28.16 1.82 0.00	31.20 2.07 0.00	33.34 2.21 0.00	34.84 2.49 0.00	35.76 2.53 0.00	40.00 2.74 -0.18	44.63 2.96 0.00	45.06 2.83 0.00	40.73 2.49 0.00	40.29 2.49 0.00	35.16 2.30 0.00	32.24 2.02 0.00	29.86 1.82 0.00
FALCON____SEABRD_CC1 323796	23.41 -0.85 0.00	22.06 -0.50 0.00	20.32 -0.41 0.00	19.63 -0.34 0.00	19.63 -0.28 0.00	20.75 -0.12 0.00	21.80 0.02 0.00	21.77 0.13 0.00	23.41 0.23 0.00	23.44 0.07 0.00	25.45 -0.18 0.00	25.95 -0.39 0.00	28.61 -0.52 0.00	30.63 -0.50 0.00	31.67 -0.68 0.00	32.44 -0.80 0.00	36.23 -0.85 0.00	40.75 -0.92 0.00	41.64 -0.59 0.00	37.86 -0.38 0.00	37.61 -0.19 0.00	32.33 -0.53 0.00	29.82 -0.39 0.00	27.64 -0.39 0.00



FALCON___SEABRD_CC2 323797	23.41 -0.85 0.00	22.06 -0.50 0.00	20.32 -0.41 0.00	19.63 -0.34 0.00	19.63 -0.28 0.00	20.75 -0.12 0.00	21.80 0.02 0.00	21.77 0.13 0.00	23.41 0.23 0.00	23.44 0.07 0.00	25.45 -0.18 0.00	25.95 -0.39 0.00	28.61 -0.52 0.00	30.63 -0.50 0.00	31.67 -0.68 0.00	32.44 -0.80 0.00	36.23 -0.85 0.00	40.75 -0.92 0.00	41.64 -0.59 0.00	37.86 -0.38 0.00	37.61 -0.19 0.00	32.33 -0.53 0.00	29.82 -0.39 0.00	27.64 -0.39 0.00
FAR ROCKAWAY___4 23548	32.20 2.23 -5.71	29.01 1.89 -4.56	24.99 1.74 -2.51	22.85 1.64 -1.24	22.68 1.61 -1.15	23.44 1.65 -0.92	23.41 1.63 0.00	23.42 1.77 0.00	25.27 2.09 0.00	30.48 2.20 -4.91	30.90 2.77 -2.51	35.70 3.13 -6.23	37.60 3.55 -4.91	39.33 3.80 -4.40	45.84 3.88 -9.60	38.70 3.89 -1.58	41.55 4.30 -0.18	45.96 4.29 0.00	46.37 4.14 0.00	41.88 3.63 0.00	41.69 3.89 0.00	36.77 3.91 0.00	33.63 3.41 0.00	31.15 3.11 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	25.90 1.65 0.00	23.91 1.35 0.00	22.04 1.31 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.24 3.11 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.56 2.52 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.09 1.21 0.00	23.00 1.22 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.24 3.11 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.79 4.13 0.00	46.12 3.89 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.59 2.55 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.10 1.73 0.00	27.80 2.18 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.21 3.08 0.00	35.78 3.43 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.57 3.33 0.00	41.20 3.40 0.00	35.95 3.09 0.00	32.96 2.75 0.00	30.56 2.52 0.00
FARRAGUT___LBMP 323566	25.86 1.60 0.00	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.63 3.39 0.00	41.00 3.74 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.53 2.50 0.00
FENNER___WINDPWR 24204	24.88 0.63 0.00	23.03 0.47 0.00	21.13 0.39 0.00	20.33 0.36 0.00	20.25 0.34 0.00	21.25 0.38 0.00	22.21 0.44 0.00	22.01 0.37 0.00	23.53 0.35 0.00	23.84 0.47 -0.01	26.24 0.56 -0.06	27.15 0.68 -0.12	30.20 0.81 -0.25	32.32 0.90 -0.29	33.52 0.87 -0.30	34.46 0.96 -0.26	38.57 1.11 -0.38	43.57 1.33 -0.57	44.25 1.48 -0.54	39.94 1.37 -0.32	39.44 1.36 -0.29	34.24 1.15 -0.23	31.55 1.00 -0.34	29.11 0.90 -0.17
FIBERTEK___ENERGY 23856	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 -0.01	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43
FITZPATRICK____ 23598	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.41 -0.56 0.00	19.34 -0.58 0.00	20.29 -0.58 0.00	21.19 -0.59 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.62 -0.68 0.08	23.50 -0.67 1.46	24.00 -0.63 1.71	25.00 -0.67 3.46	26.50 -0.71 3.92	27.50 -0.74 4.11	29.00 -0.73 3.51	31.00 -0.82 5.26	33.00 -0.88 7.79	34.00 -0.89 7.35	33.00 -0.84 4.40	33.00 -0.87 3.93	29.00 -0.72 3.14	24.82 -0.73 4.66	25.00 -0.64 2.39
FLOWRFLD_69_KV_BK1 356044	32.15 2.18 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.46 1.67 -0.92	23.41 1.63 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.48 2.20 -4.91	30.85 2.72 -2.51	35.68 3.11 -6.23	37.57 3.53 -4.91	39.40 3.86 -4.41	46.24 4.27 -9.62	39.15 4.32 -1.59	42.05 4.78 -0.19	46.08 4.42 0.00	46.50 4.27 0.00	42.32 4.05 -0.02	41.50 3.70 0.00	36.71 3.84 0.00	33.47 3.26 0.00	31.15 3.11 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	25.81 1.55 0.00	23.84 1.29 0.00	21.96 1.22 0.00	21.11 1.14 0.00	21.05 1.14 0.00	22.03 1.15 0.00	22.87 1.09 0.00	22.81 1.17 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.26 1.64 0.00	28.29 1.95 0.00	31.43 2.30 0.00	33.65 2.52 0.00	35.20 2.85 0.00	36.13 2.89 0.00	40.44 3.23 -0.14	45.21 3.54 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.82 3.02 0.00	35.59 2.73 0.00	32.63 2.42 0.00	30.22 2.19 0.00
FORT ORANGE____ 23900	24.93 0.68 0.00	23.46 0.90 0.00	21.57 0.83 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.69 0.81 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.94 0.76 0.00	23.89 0.51 0.00	26.16 0.54 0.00	27.03 0.68 0.00	29.77 0.64 0.00	31.82 0.68 0.00	33.23 0.87 0.00	34.17 0.93 0.00	37.93 1.00 0.14	42.88 1.21 0.00	43.50 1.27 0.00	39.43 1.19 0.00	38.97 1.17 0.00	33.88 1.02 0.00	31.12 0.91 0.00	28.85 0.81 0.00
FORT_DRUM_COGEN 23780	23.73 -0.51 0.02	22.06 -0.50 0.00	20.34 -0.39 0.00	19.61 -0.36 0.00	19.56 -0.36 0.00	20.48 -0.40 0.00	21.43 -0.35 0.00	21.16 -0.48 0.00	22.53 -0.65 0.00	22.87 -0.51 -0.01	24.77 -0.72 0.13	25.96 -0.63 -0.25	28.93 -0.70 -0.50	31.07 -0.62 -0.56	32.20 -0.74 -0.59	32.98 -0.76 -0.50	37.02 -0.82 -0.76	42.04 -0.75 -1.12	42.87 -0.42 -1.05	38.80 -0.08 -0.63	38.40 0.04 -0.56	33.28 -0.03 -0.45	30.73 -0.15 -0.67	28.10 -0.28 -0.34
FOX_HILLS___ESR 323835	26.13 1.87 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.29 1.32 0.00	21.23 1.31 0.00	22.07 1.19 0.00	22.93 1.15 0.00	22.98 1.34 0.00	24.73 1.55 0.00	25.01 1.64 0.00	27.78 2.15 0.00	28.92 2.58 0.00	32.12 2.94 -0.04	39.73 3.11 -5.49	35.84 3.43 -0.06	36.69 3.46 0.00	41.09 3.78 -0.23	52.10 4.13 -6.30	70.60 3.89 -24.48	69.62 3.40 -27.97	98.19 3.48 -56.92	40.12 3.22 -4.04	33.19 2.87 -0.11	30.65 2.61 -0.01
FPL FAR_ROCK_GT1 24212	32.28 2.31 -5.71	28.99 1.87 -4.56	24.99 1.74 -2.51	22.85 1.64 -1.24	22.68 1.61 -1.15	23.44 1.65 -0.92	23.41 1.63 0.00	23.42 1.77 0.00	25.27 2.09 0.00	30.55 2.27 -4.91	30.93 2.79 -2.51	35.73 3.16 -6.23	37.66 3.61 -4.91	39.39 3.86 -4.40	46.19 4.24 -9.60	38.90 4.09 -1.58	41.11 3.86 -0.18	45.46 3.79 0.00	45.91 3.67 0.00	41.54 3.29 0.00	41.35 3.55 0.00	36.28 3.42 0.00	33.35 3.14 0.00	30.87 2.83 0.00



FPL FAR_ROCK_GT2 23815	32.28 2.31 -5.71	28.99 1.87 -4.56	24.99 1.74 -2.51	22.85 1.64 -1.24	22.68 1.61 -1.15	23.44 1.65 -0.92	23.41 1.63 0.00	23.42 1.77 0.00	25.27 2.09 0.00	30.55 2.27 -4.91	30.93 2.79 -2.51	35.73 3.16 -6.23	37.66 3.61 -4.91	39.39 3.86 -4.40	46.19 4.24 -9.60	38.90 4.09 -1.58	41.11 3.86 -0.18	45.46 3.79 0.00	45.91 3.67 0.00	41.54 3.29 0.00	41.35 3.55 0.00	36.28 3.42 0.00	33.35 3.14 0.00	30.87 2.83 0.00
FRANKLIN_FALL_HYD 24054	23.12 -1.12 0.02	21.86 -0.70 0.00	20.14 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.56 -0.31 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.11 -0.07 0.00	23.26 -0.12 0.00	24.62 -0.59 0.41	25.53 -0.82 0.00	28.14 -0.99 0.00	30.17 -0.97 0.00	31.19 -1.16 0.00	31.91 -1.33 0.00	35.67 -1.41 0.00	40.13 -1.54 0.00	40.93 -1.31 0.00	37.33 -0.92 0.00	36.85 -0.94 0.00	31.74 -1.12 0.00	29.34 -0.88 0.00	27.17 -0.87 0.00
FREEPORT_EQUS_GT1 23764	32.10 2.13 -5.71	28.86 1.74 -4.56	24.87 1.62 -2.51	22.73 1.52 -1.24	22.58 1.51 -1.15	23.34 1.54 -0.92	23.30 1.52 0.00	23.31 1.67 0.00	25.15 1.97 0.00	30.41 2.13 -4.91	30.69 2.56 -2.51	35.52 2.95 -6.23	37.37 3.32 -4.91	39.08 3.55 -4.40	45.87 3.91 -9.60	38.54 3.72 -1.58	41.04 3.78 -0.18	45.37 3.71 0.00	45.82 3.59 0.00	41.46 3.21 0.00	40.86 3.06 0.00	35.92 3.06 0.00	33.02 2.81 0.00	30.59 2.55 0.00
FREEPORT___CT2 23818	32.10 2.13 -5.71	28.86 1.74 -4.56	24.87 1.62 -2.51	22.73 1.52 -1.24	22.58 1.51 -1.15	23.34 1.54 -0.92	23.30 1.52 0.00	23.31 1.67 0.00	25.15 1.97 0.00	30.41 2.13 -4.91	30.69 2.56 -2.51	35.52 2.95 -6.23	37.37 3.32 -4.91	39.08 3.55 -4.40	45.87 3.91 -9.60	38.54 3.72 -1.58	41.04 3.78 -0.18	45.37 3.71 0.00	45.82 3.59 0.00	41.46 3.21 0.00	40.86 3.06 0.00	35.92 3.06 0.00	33.02 2.81 0.00	30.59 2.55 0.00
FRESHKLS_33_KV_LOAD 356253	26.15 1.89 -0.01	24.13 1.58 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.07 1.19 0.00	22.89 1.11 0.00	22.96 1.32 0.00	24.69 1.51 0.00	24.96 1.59 0.00	27.70 2.08 0.00	28.90 2.56 0.00	32.06 2.88 -0.04	39.67 3.05 -5.49	35.80 3.40 -0.06	36.69 3.46 0.00	41.05 3.74 -0.23	52.10 4.13 -6.30	70.60 3.89 -24.48	69.62 3.40 -27.97	98.23 3.52 -56.92	40.08 3.19 -4.04	33.16 2.84 -0.11	30.60 2.55 -0.01
FULTON COGEN____ 23766	24.03 -0.22 0.00	22.26 -0.29 0.00	20.43 -0.31 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.50 -0.38 0.00	21.43 -0.35 0.00	21.23 -0.41 0.00	22.69 -0.49 0.00	22.98 -0.42 -0.02	25.72 -0.33 -0.43	26.66 -0.24 -0.56	30.03 -0.23 -1.13	32.13 -0.28 -1.28	33.43 -0.26 -1.34	34.15 -0.23 -1.14	38.49 -0.30 -1.71	43.95 -0.25 -2.54	44.42 -0.21 -2.39	39.45 -0.23 -1.43	38.85 -0.23 -1.28	33.68 -0.20 -1.02	31.46 -0.27 -1.52	28.59 -0.22 -0.78
FULTON___LFGE 323630	26.99 2.74 0.00	25.04 2.48 0.00	22.83 2.09 0.00	21.99 2.02 0.00	21.89 1.97 0.00	22.96 2.09 0.00	23.93 2.16 0.00	23.52 1.88 0.00	25.31 2.13 0.00	25.62 2.24 0.00	28.21 2.59 0.00	29.19 2.85 0.00	32.37 3.23 0.00	34.56 3.42 0.00	36.26 3.91 0.00	37.53 4.29 0.00	41.45 4.48 0.11	47.58 5.91 0.00	48.99 6.76 0.00	44.48 6.24 0.00	43.73 5.93 0.00	37.85 4.99 0.00	34.62 4.41 0.00	31.93 3.90 0.00
G.F.CEMENT___DRP 24184	25.56 1.31 0.00	23.77 1.22 0.00	21.77 1.04 0.00	20.99 1.02 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.76 0.98 0.00	22.46 0.82 0.00	24.20 1.02 0.00	24.38 1.00 0.00	26.57 0.95 0.00	27.53 1.19 0.00	30.33 1.19 0.00	32.38 1.25 0.00	33.90 1.55 0.00	34.93 1.70 0.00	38.68 1.78 0.17	44.00 2.33 0.00	45.06 2.83 0.00	41.00 2.75 0.00	40.63 2.83 0.00	35.39 2.53 0.00	32.36 2.15 0.00	29.92 1.88 0.00
GARDENVILLE___LBMP 24039	24.38 0.12 0.00	22.35 -0.20 0.00	20.28 -0.46 0.00	19.31 -0.66 0.00	19.16 -0.76 0.00	20.19 -0.69 0.00	21.58 -0.20 0.00	21.27 -0.37 0.00	22.69 -0.49 0.00	23.09 -0.28 0.00	25.96 0.00 0.00	26.79 0.45 0.00	29.74 0.61 0.00	31.63 0.50 0.00	32.90 0.55 0.00	34.00 0.76 0.00	37.93 0.85 0.00	42.63 0.96 0.00	43.04 0.80 0.00	38.74 0.50 0.00	37.87 0.08 0.00	32.83 -0.03 0.00	30.09 -0.12 0.00	28.37 0.34 0.00
GARDNVLA_35_KV_LD 355827	24.52 0.27 0.00	22.46 -0.09 0.00	20.38 -0.35 0.00	19.39 -0.58 0.00	19.24 -0.68 0.00	20.27 -0.61 0.00	21.67 -0.11 0.00	21.36 -0.28 0.00	22.79 -0.39 0.00	23.21 -0.16 0.00	26.08 0.46 0.00	26.95 0.61 0.00	29.92 0.79 0.00	31.85 0.72 0.00	33.10 0.74 0.00	34.23 1.00 0.00	38.15 1.08 0.00	42.88 1.21 0.00	43.29 1.06 0.00	38.97 0.73 0.00	38.06 0.26 0.00	32.99 0.13 0.00	30.21 0.00 0.00	28.51 0.48 0.00
GELCKHM___115KV_LOAD 80723	24.18 -0.07 0.00	22.40 -0.16 0.00	20.55 -0.19 0.00	19.75 -0.22 0.00	19.67 -0.24 0.00	20.63 -0.25 0.00	21.56 -0.22 0.00	21.38 -0.26 0.00	22.88 -0.30 0.00	23.15 -0.23 -0.01	25.66 -0.10 -0.14	26.54 0.00 -0.20	29.57 0.03 -0.40	31.59 0.00 -0.46	32.83 0.00 -0.48	33.68 0.03 -0.41	37.69 0.00 -0.61	42.66 0.08 -0.91	43.18 0.08 -0.86	38.80 0.04 -0.51	38.26 0.00 -0.46	33.23 0.00 -0.37	30.70 -0.06 -0.54	28.29 -0.03 -0.28
GENERAL___MILLS 23808	24.45 0.19 0.00	22.42 -0.14 0.00	20.34 -0.39 0.00	19.35 -0.62 0.00	19.20 -0.72 0.00	20.23 -0.65 0.00	21.62 -0.15 0.00	21.32 -0.32 0.00	22.74 -0.44 0.00	23.16 -0.21 0.00	26.01 0.38 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.75 0.62 0.00	33.00 0.65 0.00	34.13 0.90 0.00	38.04 0.96 0.00	42.75 1.08 0.00	43.16 0.93 0.00	38.86 0.61 0.00	37.95 0.15 0.00	32.89 0.03 0.00	30.15 -0.06 0.00	28.43 0.39 0.00
GE_PLASTICS___DRP 24183	24.93 0.68 0.00	23.28 0.72 0.00	21.42 0.68 0.00	20.63 0.66 0.00	20.57 0.66 0.00	21.52 0.65 0.00	22.36 0.59 0.00	22.23 0.58 0.00	23.83 0.65 0.00	23.82 0.44 0.00	26.14 0.51 0.00	27.00 0.66 0.00	29.80 0.67 0.00	31.85 0.72 0.00	33.22 0.87 0.00	34.17 0.93 0.00	37.93 0.96 0.11	42.79 1.13 0.00	43.33 1.10 0.00	39.28 1.03 0.00	38.85 1.06 0.00	33.85 0.99 0.00	31.03 0.82 0.00	28.79 0.76 0.00
GILBOA___1 23756	24.93 0.68 0.00	23.12 0.56 0.00	21.28 0.54 0.00	20.57 0.60 0.00	20.49 0.58 0.00	21.46 0.58 0.00	22.26 0.48 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.98 0.61 0.00	26.37 0.74 0.00	27.26 0.92 0.00	30.15 1.02 0.00	32.19 1.06 0.00	33.58 1.23 0.00	34.50 1.26 0.00	38.41 1.33 0.00	43.08 1.42 0.00	43.59 1.35 0.00	39.55 1.30 0.00	39.08 1.29 0.00	33.98 1.12 0.00	31.21 1.00 0.00	28.96 0.92 0.00
GILBOA___2 23757	24.93 0.68 0.00	23.12 0.56 0.00	21.28 0.54 0.00	20.57 0.60 0.00	20.49 0.58 0.00	21.46 0.58 0.00	22.26 0.48 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.98 0.61 0.00	26.37 0.74 0.00	27.26 0.92 0.00	30.15 1.02 0.00	32.19 1.06 0.00	33.58 1.23 0.00	34.50 1.26 0.00	38.41 1.33 0.00	43.08 1.42 0.00	43.59 1.35 0.00	39.55 1.30 0.00	39.08 1.29 0.00	33.98 1.12 0.00	31.21 1.00 0.00	28.96 0.92 0.00



GILBOA___3 23758	24.93 0.68 0.00	23.12 0.56 0.00	21.28 0.54 0.00	20.57 0.60 0.00	20.49 0.58 0.00	21.46 0.58 0.00	22.26 0.48 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.98 0.61 0.00	26.37 0.74 0.00	27.26 0.92 0.00	30.15 1.02 0.00	32.19 1.06 0.00	33.58 1.23 0.00	34.50 1.26 0.00	38.41 1.33 0.00	43.08 1.42 0.00	43.59 1.35 0.00	39.55 1.30 0.00	39.08 1.29 0.00	33.98 1.12 0.00	31.21 1.00 0.00	28.96 0.92 0.00
GILBOA___4 23759	24.93 0.68 0.00	23.12 0.56 0.00	21.28 0.54 0.00	20.57 0.60 0.00	20.49 0.58 0.00	21.46 0.58 0.00	22.26 0.48 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.98 0.61 0.00	26.37 0.74 0.00	27.26 0.92 0.00	30.15 1.02 0.00	32.19 1.06 0.00	33.58 1.23 0.00	34.50 1.26 0.00	38.41 1.33 0.00	43.08 1.42 0.00	43.59 1.35 0.00	39.55 1.30 0.00	39.08 1.29 0.00	33.98 1.12 0.00	31.21 1.00 0.00	28.96 0.92 0.00
GILBOA___ 23599	24.91 0.65 0.00	23.12 0.56 0.00	21.28 0.54 0.00	20.57 0.60 0.00	20.49 0.58 0.00	21.46 0.58 0.00	22.26 0.48 0.00	22.16 0.52 0.00	23.76 0.58 0.00	23.93 0.56 0.00	26.34 0.72 0.00	27.24 0.90 0.00	30.12 0.99 0.00	32.22 1.09 0.00	33.58 1.23 0.00	34.50 1.26 0.00	38.45 1.37 0.00	43.08 1.42 0.00	43.63 1.39 0.00	39.47 1.22 0.00	39.12 1.32 0.00	34.08 1.22 0.00	31.24 1.03 0.00	28.99 0.95 0.00
GINNA___ 23603	23.41 -0.85 0.00	21.52 -1.04 0.00	19.64 -1.10 0.00	18.75 -1.22 0.00	18.66 -1.25 0.00	19.65 -1.23 0.00	20.71 -1.07 0.00	20.54 -1.10 0.00	21.97 -1.21 0.00	22.34 -1.03 0.00	24.83 -0.79 0.00	25.61 -0.74 0.00	28.41 -0.73 0.00	30.23 -0.90 0.00	31.41 -0.94 0.00	32.47 -0.76 0.00	36.45 -0.63 0.00	41.00 -0.67 0.00	41.39 -0.84 0.00	37.25 -0.99 0.00	36.74 -1.06 0.00	31.97 -0.89 0.00	29.15 -1.06 0.00	27.31 -0.73 0.00
GLEN PARK___ 23778	23.88 -0.36 0.02	22.17 -0.38 0.00	20.45 -0.29 0.00	19.69 -0.28 0.00	19.63 -0.28 0.00	20.54 -0.33 0.00	21.52 -0.26 0.00	21.21 -0.43 0.00	22.55 -0.62 0.00	22.87 -0.51 0.00	24.85 -0.67 0.11	26.05 -0.55 -0.26	29.01 -0.64 -0.52	31.19 -0.53 -0.59	32.33 -0.65 -0.62	33.13 -0.63 -0.53	37.24 -0.63 -0.79	42.35 -0.50 -1.18	43.18 -0.17 -1.11	39.14 0.23 -0.67	38.85 0.46 -0.59	33.57 0.23 -0.47	31.04 0.12 -0.70	28.31 -0.08 -0.36
GLENDALE_27_KV_LOAD 356172	26.11 1.84 -0.01	24.09 1.53 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.25 1.33 0.00	22.17 1.29 0.00	23.06 1.28 0.00	23.16 1.51 0.00	24.94 1.76 0.00	25.20 1.82 0.00	27.93 2.31 0.00	29.06 2.71 0.00	32.22 3.09 0.00	34.46 3.33 0.00	36.01 3.66 0.00	36.86 3.62 0.00	41.26 4.00 -0.18	46.04 4.38 0.00	46.33 4.10 0.00	41.84 3.60 0.00	41.46 3.67 0.00	36.25 3.38 0.00	33.27 3.05 -0.01	30.82 2.78 -0.01
GLENWOOD_IC_1_G5 23712	31.98 2.01 -5.71	28.81 1.69 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.29 1.64 0.00	25.13 1.95 0.00	30.34 2.06 -4.91	30.69 2.56 -2.51	35.42 2.85 -6.23	37.28 3.23 -4.91	38.86 3.33 -4.40	45.67 3.72 -9.60	38.54 3.72 -1.58	41.33 4.08 -0.18	45.71 4.04 0.00	46.08 3.84 0.00	41.61 3.37 0.00	41.05 3.25 0.00	36.44 3.58 0.00	33.29 3.08 0.00	30.90 2.86 0.00
GLENWOOD_IC_2_G1 23688	31.98 2.01 -5.71	28.77 1.65 -4.56	24.76 1.51 -2.51	22.65 1.44 -1.24	22.50 1.43 -1.15	23.23 1.44 -0.92	23.21 1.44 0.00	23.22 1.58 0.00	25.06 1.88 0.00	30.34 2.06 -4.91	30.62 2.48 -2.51	35.42 2.85 -6.23	37.25 3.20 -4.91	38.98 3.46 -4.40	45.77 3.82 -9.60	38.44 3.62 -1.58	40.89 3.64 -0.18	45.25 3.58 0.00	45.70 3.46 0.00	41.31 3.06 0.00	40.75 2.95 0.00	35.82 2.96 0.00	32.93 2.72 0.00	30.48 2.44 0.00
GLENWOOD_IC_3_G1 23689	31.98 2.01 -5.71	28.77 1.65 -4.56	24.76 1.51 -2.51	22.65 1.44 -1.24	22.50 1.43 -1.15	23.23 1.44 -0.92	23.21 1.44 0.00	23.22 1.58 0.00	25.06 1.88 0.00	30.34 2.06 -4.91	30.62 2.48 -2.51	35.42 2.85 -6.23	37.25 3.20 -4.91	38.98 3.46 -4.40	45.77 3.82 -9.60	38.44 3.62 -1.58	40.89 3.64 -0.18	45.25 3.58 0.00	45.70 3.46 0.00	41.31 3.06 0.00	40.75 2.95 0.00	35.82 2.96 0.00	32.93 2.72 0.00	30.48 2.44 0.00
GLENWOOD___4 23550	31.98 2.01 -5.71	28.81 1.69 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.29 1.64 0.00	25.13 1.95 0.00	30.34 2.06 -4.91	30.69 2.56 -2.51	35.44 2.87 -6.23	37.31 3.26 -4.91	38.95 3.42 -4.40	45.77 3.82 -9.60	38.64 3.82 -1.58	41.44 4.19 -0.18	45.83 4.17 0.00	46.21 3.97 0.00	41.73 3.48 0.00	41.12 3.33 0.00	36.44 3.58 0.00	33.29 3.08 0.00	30.90 2.86 0.00
GLENWOOD___5 23614	31.98 2.01 -5.71	28.81 1.69 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.29 1.64 0.00	25.13 1.95 0.00	30.34 2.06 -4.91	30.69 2.56 -2.51	35.44 2.87 -6.23	37.31 3.26 -4.91	38.95 3.42 -4.40	45.77 3.82 -9.60	38.64 3.82 -1.58	41.44 4.19 -0.18	45.83 4.17 0.00	46.21 3.97 0.00	41.73 3.48 0.00	41.12 3.33 0.00	36.44 3.58 0.00	33.29 3.08 0.00	30.90 2.86 0.00
GLOBAL GREEN_PORT_GT1 23814	32.88 2.91 -5.71	29.49 2.37 -4.56	25.43 2.18 -2.51	23.23 2.02 -1.24	23.04 1.97 -1.15	23.78 1.98 -0.92	23.69 1.92 0.00	23.61 1.97 0.00	25.61 2.43 0.00	30.97 2.69 -4.91	31.59 3.46 -2.51	36.60 4.03 -6.23	38.47 4.43 -4.91	40.33 4.79 -4.41	47.17 5.21 -9.61	39.78 4.95 -1.59	42.38 5.12 -0.19	46.66 5.00 0.00	47.22 4.98 0.00	42.77 4.51 -0.01	41.88 4.08 0.00	36.90 4.04 0.00	33.71 3.50 0.00	31.26 3.22 0.00
GLOBE___DSASP 323697	23.55 -0.70 0.00	21.61 -0.95 0.00	19.58 -1.16 0.00	18.61 -1.36 0.00	18.56 -1.35 0.00	19.44 -1.44 0.00	20.86 -0.91 0.00	20.49 -1.15 0.00	21.81 -1.37 0.00	22.20 -1.17 0.00	24.91 -0.72 0.00	25.71 -0.63 0.00	28.46 -0.67 0.00	30.23 -0.90 0.00	31.41 -0.94 0.00	32.51 -0.73 0.00	36.30 -0.78 0.00	40.79 -0.88 0.00	41.18 -1.06 0.00	37.06 -1.19 0.00	36.32 -1.47 0.00	31.45 -1.41 0.00	28.85 -1.36 0.00	27.25 -0.79 0.00
GOETHSLN___LBMP 323567	25.76 1.50 0.00	23.80 1.24 0.00	21.94 1.20 0.00	21.07 1.10 0.00	21.01 1.10 0.00	21.98 1.11 0.00	22.89 1.11 0.00	23.00 1.36 0.00	24.78 1.60 0.00	25.03 1.66 0.00	27.70 2.08 0.00	28.77 2.42 0.00	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.56 3.32 0.00	40.89 3.63 -0.18	45.58 3.92 0.00	45.87 3.63 0.00	41.38 3.14 0.00	41.05 3.25 0.00	35.82 2.96 0.00	32.84 2.63 0.00	30.45 2.41 0.00
GOLAH___69_KV_TB 1_2 80279	24.67 0.41 0.00	22.71 0.16 0.00	20.65 -0.08 0.00	19.67 -0.30 0.00	19.56 -0.36 0.00	20.58 -0.29 0.00	21.82 0.04 0.00	21.55 -0.09 0.00	22.99 -0.19 0.00	23.37 0.00 0.00	26.06 0.44 0.00	26.90 0.55 0.00	29.77 0.64 0.00	31.66 0.53 0.00	32.93 0.58 0.00	34.00 0.76 0.00	37.97 0.89 0.00	42.75 1.08 0.00	43.33 1.10 0.00	39.05 0.80 0.00	38.44 0.64 0.00	33.29 0.43 0.00	30.45 0.24 0.00	28.54 0.50 0.00



GOODYEAR_LAKE_HYD 323669	25.35 1.09 0.00	23.43 0.88 0.00	21.50 0.77 0.00	20.71 0.74 0.00	20.63 0.72 0.00	21.63 0.75 0.00	22.58 0.81 0.00	22.42 0.78 0.00	23.99 0.81 0.00	24.31 0.93 0.00	26.75 1.13 0.00	27.69 1.34 0.00	30.68 1.54 0.00	32.84 1.71 0.00	34.13 1.78 0.00	35.13 1.89 0.00	39.12 2.04 0.00	44.00 2.33 0.00	44.77 2.53 0.00	40.58 2.33 0.00	40.06 2.27 0.00	34.83 1.97 0.00	31.96 1.75 0.00	29.58 1.54 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	24.64 0.39 0.00	22.76 0.20 0.00	20.84 0.10 0.00	20.01 0.04 0.00	19.93 0.02 0.00	20.90 0.02 0.00	21.93 0.15 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.61 0.23 0.00	26.21 0.49 -0.09	27.09 0.63 -0.11	30.09 0.73 -0.23	32.13 0.75 -0.26	33.43 0.81 -0.27	34.36 0.90 -0.23	38.42 1.00 -0.34	43.38 1.21 -0.51	43.94 1.22 -0.48	39.57 1.03 -0.29	38.96 0.91 -0.26	33.85 0.79 -0.20	31.15 0.63 -0.30	28.87 0.67 -0.16
GOUDEY___7 23579	24.67 0.41 0.00	22.78 0.23 0.00	20.86 0.12 0.00	20.03 0.06 0.00	19.93 0.02 0.00	20.92 0.04 0.00	21.95 0.17 0.00	21.81 0.17 0.00	23.34 0.16 0.00	23.63 0.26 0.00	26.23 0.51 -0.09	27.11 0.66 -0.11	30.12 0.76 -0.23	32.17 0.78 -0.26	33.49 0.87 -0.27	34.43 0.96 -0.23	38.46 1.04 -0.34	43.42 1.25 -0.51	43.98 1.27 -0.48	39.60 1.07 -0.29	39.00 0.94 -0.26	33.89 0.82 -0.20	31.18 0.66 -0.30	28.89 0.70 -0.16
GOUDEY___8 23580	24.64 0.39 0.00	22.76 0.20 0.00	20.84 0.10 0.00	20.01 0.04 0.00	19.93 0.02 0.00	20.90 0.02 0.00	21.93 0.15 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.61 0.23 0.00	26.21 0.49 -0.09	27.09 0.63 -0.11	30.09 0.73 -0.23	32.13 0.75 -0.26	33.43 0.81 -0.27	34.36 0.90 -0.23	38.42 1.00 -0.34	43.38 1.21 -0.51	43.94 1.22 -0.48	39.57 1.03 -0.29	38.96 0.91 -0.26	33.85 0.79 -0.20	31.15 0.63 -0.30	28.87 0.67 -0.16
GOWANUS_GT1_1 24077	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_2 24078	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_3 24079	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_4 24080	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_5 24084	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_6 24111	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_7 24112	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT1_8 24113	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT2_1 24114	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_2 24115	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_3 24116	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01



GOWANUS_GT2_4 24117	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_5 24118	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_6 24119	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_7 24120	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT2_8 24121	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_1 24122	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_2 24123	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_3 24124	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_4 24125	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_5 24126	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_6 24127	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_7 24128	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT3_8 24129	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
GOWANUS_GT4_1 24130	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_2 24131	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01



GOWANUS_GT4_3 24132	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_4 24133	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_5 24134	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_6 24135	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_7 24136	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GOWANUS_GT4_8 24137	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GREENBSH_115KV_TB3 55895	24.93 0.68 0.00	23.34 0.79 0.00	21.48 0.75 0.00	20.69 0.72 0.00	20.63 0.72 0.00	21.59 0.71 0.00	22.43 0.65 0.00	22.27 0.63 0.00	23.87 0.70 0.00	23.75 0.37 0.00	26.06 0.44 0.00	26.92 0.58 0.00	29.69 0.55 0.00	31.72 0.59 0.00	33.10 0.74 0.00	34.03 0.80 0.00	37.74 0.82 0.15	42.63 0.96 0.00	43.16 0.93 0.00	39.13 0.88 0.00	38.70 0.91 0.00	33.71 0.85 0.00	30.91 0.69 0.00	28.68 0.64 0.00
GREENIDGE_115KV_TB5 80291	24.69 0.44 0.00	22.71 0.16 0.00	20.74 0.00 0.00	19.87 -0.10 0.00	19.77 -0.14 0.00	20.81 -0.06 0.00	21.95 0.17 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.68 0.30 0.00	26.37 0.67 -0.08	27.25 0.82 -0.09	30.14 0.82 -0.19	32.09 0.75 -0.21	33.35 0.78 -0.22	34.32 0.90 -0.19	38.44 1.08 -0.28	43.55 1.46 -0.42	44.19 1.56 -0.40	39.75 1.26 -0.24	39.14 1.13 -0.21	33.92 0.89 -0.17	31.07 0.60 -0.25	29.01 0.84 -0.13
GREENIDGE___3 23582	24.69 0.44 0.00	22.71 0.16 0.00	20.74 0.00 0.00	19.87 -0.10 0.00	19.77 -0.14 0.00	20.81 -0.06 0.00	21.95 0.17 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.68 0.30 0.00	26.37 0.67 -0.08	27.25 0.82 -0.09	30.14 0.82 -0.19	32.09 0.75 -0.21	33.35 0.78 -0.22	34.32 0.90 -0.19	38.44 1.08 -0.28	43.55 1.46 -0.42	44.19 1.56 -0.40	39.75 1.26 -0.24	39.14 1.13 -0.21	33.92 0.89 -0.17	31.07 0.60 -0.25	29.01 0.84 -0.13
GREENIDGE___4 23583	24.74 0.48 0.00	22.71 0.16 0.00	20.76 0.02 0.00	19.87 -0.10 0.00	19.78 -0.14 0.00	20.84 -0.04 0.00	21.95 0.17 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.70 0.33 0.00	26.37 0.67 -0.08	27.23 0.79 -0.09	30.08 0.76 -0.19	32.09 0.75 -0.21	33.35 0.78 -0.22	34.36 0.93 -0.19	38.58 1.22 -0.28	43.67 1.58 -0.42	44.28 1.65 -0.40	39.78 1.30 -0.24	39.14 1.13 -0.21	34.08 1.05 -0.17	31.25 0.78 -0.25	29.15 0.98 -0.13
GREENLWN_69_KV_BK 3 55738	31.81 1.84 -5.71	28.72 1.60 -4.56	24.74 1.49 -2.51	22.61 1.40 -1.24	22.46 1.39 -1.15	23.21 1.42 -0.92	23.17 1.39 0.00	23.18 1.54 0.00	25.03 1.85 0.00	30.22 1.94 -4.91	30.34 2.20 -2.51	35.15 2.58 -6.23	36.99 2.94 -4.91	38.70 3.18 -4.39	45.51 3.56 -9.60	38.40 3.59 -1.57	41.18 3.93 -0.17	45.46 3.79 0.00	45.87 3.63 0.00	41.45 3.21 0.00	40.82 3.02 0.00	36.02 3.15 0.00	32.87 2.66 0.00	30.50 2.47 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01
GRISSOM___SOLAR 323813	26.99 2.74 0.00	25.04 2.48 0.00	22.83 2.09 0.00	21.99 2.02 0.00	21.89 1.97 0.00	22.96 2.09 0.00	23.93 2.16 0.00	23.52 1.88 0.00	25.31 2.13 0.00	25.62 2.24 0.00	28.21 2.59 0.00	29.19 2.85 0.00	32.37 3.23 0.00	34.56 3.42 0.00	36.26 3.91 0.00	37.53 4.29 0.00	41.45 4.48 0.11	47.58 5.91 0.00	48.99 6.76 0.00	44.48 6.24 0.00	43.73 5.93 0.00	37.85 4.99 0.00	34.62 4.41 0.00	31.93 3.90 0.00
GROVEVILLE___HYD 323602	25.81 1.55 0.00	23.84 1.29 0.00	21.96 1.22 0.00	21.11 1.14 0.00	21.05 1.14 0.00	22.03 1.15 0.00	22.87 1.09 0.00	22.81 1.17 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.26 1.64 0.00	28.29 1.95 0.00	31.43 2.30 0.00	33.65 2.52 0.00	35.20 2.85 0.00	36.13 2.89 0.00	40.44 3.23 -0.14	45.21 3.54 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.82 3.02 0.00	35.59 2.73 0.00	32.63 2.42 0.00	30.22 2.19 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 0.00	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43



HAMLTNNY_34_KV_TB 80303	24.40 0.15 0.00	22.58 0.02 0.00	20.70 -0.04 0.00	19.89 -0.08 0.00	19.81 -0.10 0.00	20.77 -0.10 0.00	21.73 -0.04 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.36 -0.02 -0.01	26.02 0.15 -0.24	26.95 0.29 -0.32	30.12 0.35 -0.64	32.16 0.31 -0.72	33.46 0.36 -0.76	34.28 0.40 -0.65	38.49 0.44 -0.97	43.69 0.58 -1.43	44.18 0.59 -1.35	39.55 0.50 -0.81	39.01 0.49 -0.72	33.83 0.39 -0.58	31.31 0.24 -0.86	28.76 0.28 -0.44
HAMPSHIRE___PAPER_HYD 323593	22.98 -1.24 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.14 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.40 -0.98 0.00	23.60 -1.25 0.77	25.13 -1.32 -0.10	27.85 -1.48 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.82 -1.86 -0.44	37.02 -1.49 -0.26	36.78 -1.25 -0.23	31.73 -1.32 -0.19	29.31 -1.18 -0.28	26.98 -1.20 -0.14
HARDSCRABBLE_WT_PWR 323673	24.52 0.27 0.00	22.78 0.23 0.00	20.94 0.21 0.00	20.19 0.22 0.00	20.13 0.22 0.00	21.13 0.25 0.00	22.06 0.28 0.00	21.90 0.26 0.00	23.46 0.28 0.00	23.72 0.35 0.00	25.96 0.36 0.03	26.79 0.45 0.00	29.60 0.46 0.00	31.69 0.56 0.00	32.90 0.55 0.00	33.80 0.56 0.00	37.67 0.59 0.00	42.37 0.71 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.48 0.68 0.00	33.45 0.59 0.00	30.76 0.54 0.00	28.54 0.51 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	25.64 1.38 0.00	23.68 1.13 0.00	21.79 1.06 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.86 0.98 0.00	22.73 0.96 0.00	22.70 1.06 0.00	24.38 1.21 0.00	24.66 1.29 0.00	27.19 1.56 0.00	28.21 1.87 0.00	31.35 2.21 0.00	33.56 2.43 0.00	35.07 2.72 0.00	36.00 2.76 0.00	40.30 3.08 -0.15	45.04 3.38 0.00	45.44 3.21 0.00	41.04 2.79 0.00	40.59 2.80 0.00	35.39 2.53 0.00	32.45 2.24 0.00	30.03 1.99 0.00
HARSNRAD_115KV_TB1 81005	24.16 -0.10 0.00	22.15 -0.41 0.00	20.09 -0.64 0.00	19.09 -0.88 0.00	18.92 -1.00 0.00	19.96 -0.92 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.42 0.08 0.00	29.28 0.15 0.00	31.10 -0.03 0.00	32.35 0.00 0.00	33.47 0.23 0.00	37.37 0.30 0.00	42.00 0.33 0.00	42.40 0.17 0.00	38.13 -0.11 0.00	37.34 -0.45 0.00	32.33 -0.53 0.00	29.64 -0.57 0.00	27.95 -0.08 0.00
HARZA MOOSE___RIVER 24016	24.36 0.12 0.01	22.65 0.09 0.00	20.92 0.19 0.00	20.13 0.16 0.00	20.07 0.16 0.00	21.04 0.17 0.00	21.99 0.22 0.00	21.79 0.15 0.00	23.25 0.07 0.00	23.52 0.14 0.00	25.54 0.08 0.16	26.59 0.16 -0.09	29.51 0.20 -0.18	31.64 0.31 -0.20	32.85 0.29 -0.21	33.71 0.30 -0.18	37.75 0.41 -0.27	42.64 0.58 -0.39	43.37 0.76 -0.37	39.31 0.84 -0.22	38.86 0.87 -0.20	33.71 0.69 -0.16	31.02 0.57 -0.24	28.58 0.42 -0.12
HDSNBRDG_115KV_BRDG_TB1 355580	24.20 -0.05 0.00	22.42 -0.14 0.00	20.55 -0.19 0.00	19.75 -0.22 0.00	19.67 -0.24 0.00	20.63 -0.25 0.00	21.58 -0.20 0.00	21.40 -0.24 0.00	22.90 -0.28 0.00	23.17 -0.21 -0.01	25.68 -0.05 -0.11	26.56 0.05 -0.17	29.56 0.09 -0.34	31.58 0.06 -0.38	32.78 0.03 -0.40	33.64 0.07 -0.34	37.63 0.04 -0.51	42.55 0.13 -0.76	43.08 0.13 -0.72	38.71 0.04 -0.43	38.22 0.04 -0.38	33.20 0.03 -0.31	30.64 -0.03 -0.45	28.27 0.00 -0.23
HELLGATE_13_KV_LD 55870	26.01 1.75 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.19 1.27 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.78 2.15 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.28 3.14 0.00	35.81 3.46 0.00	36.66 3.42 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.09 2.87 -0.01	30.65 2.61 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	26.01 1.75 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.19 1.27 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.78 2.15 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.28 3.14 0.00	35.81 3.46 0.00	36.66 3.42 0.00	40.96 3.71 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	36.02 3.15 0.00	33.09 2.87 -0.01	30.65 2.61 -0.01
HEMPSTEAD____ 23647	31.93 1.96 -5.71	28.70 1.58 -4.56	24.72 1.47 -2.51	22.61 1.40 -1.24	22.46 1.39 -1.15	23.19 1.40 -0.92	23.17 1.39 0.00	23.18 1.54 0.00	25.01 1.83 0.00	30.27 1.99 -4.91	30.54 2.41 -2.51	35.36 2.79 -6.23	37.19 3.15 -4.91	38.89 3.36 -4.40	45.67 3.72 -9.60	38.30 3.49 -1.58	40.74 3.48 -0.18	45.04 3.37 0.00	45.49 3.25 0.00	41.12 2.87 0.00	40.55 2.76 0.00	35.69 2.83 0.00	32.78 2.57 0.00	30.36 2.33 0.00
HEWLETT_69_KV_BK3 55828	32.06 2.09 -5.71	28.88 1.76 -4.56	24.91 1.66 -2.51	22.75 1.54 -1.24	22.60 1.53 -1.15	23.34 1.54 -0.92	23.30 1.52 0.00	23.31 1.67 0.00	25.15 1.97 0.00	30.36 2.08 -4.91	30.75 2.61 -2.51	35.52 2.95 -6.23	37.40 3.35 -4.91	39.11 3.58 -4.40	45.74 3.79 -9.60	38.64 3.82 -1.58	41.44 4.19 -0.18	45.88 4.21 0.00	46.25 4.01 0.00	41.80 3.56 0.00	41.43 3.63 0.00	36.54 3.68 0.00	33.44 3.23 0.00	30.98 2.94 0.00
HICKLING___1 23621	24.76 0.51 0.00	22.78 0.23 0.00	20.78 0.04 0.00	19.91 -0.06 0.00	19.81 -0.10 0.00	20.81 -0.06 0.00	21.97 0.20 0.00	21.84 0.19 0.00	23.36 0.19 0.00	23.73 0.35 0.00	26.47 0.77 -0.08	27.38 0.95 -0.09	30.43 1.11 -0.19	32.43 1.09 -0.21	33.74 1.16 -0.22	34.72 1.30 -0.19	38.81 1.45 -0.28	43.88 1.79 -0.42	44.45 1.82 -0.40	40.01 1.53 -0.24	39.26 1.25 -0.21	34.11 1.08 -0.17	31.31 0.85 -0.25	29.15 0.98 -0.13
HICKLING___2 23622	24.76 0.51 0.00	22.78 0.23 0.00	20.78 0.04 0.00	19.91 -0.06 0.00	19.81 -0.10 0.00	20.81 -0.06 0.00	21.97 0.20 0.00	21.84 0.19 0.00	23.36 0.19 0.00	23.73 0.35 0.00	26.47 0.77 -0.08	27.38 0.95 -0.09	30.43 1.11 -0.19	32.43 1.09 -0.21	33.74 1.16 -0.22	34.72 1.30 -0.19	38.81 1.45 -0.28	43.88 1.79 -0.42	44.45 1.82 -0.40	40.01 1.53 -0.24	39.26 1.25 -0.21	34.11 1.08 -0.17	31.31 0.85 -0.25	29.15 0.98 -0.13
HIGH FALLS___HY 23754	25.66 1.41 0.00	23.62 1.06 0.00	21.73 1.00 0.00	20.89 0.92 0.00	20.83 0.92 0.00	21.82 0.94 0.00	22.65 0.87 0.00	22.61 0.97 0.00	24.25 1.07 0.00	24.59 1.22 0.00	27.14 1.51 0.00	28.16 1.82 0.00	31.38 2.24 0.00	33.40 2.27 0.00	34.91 2.56 0.00	35.83 2.59 0.00	40.13 2.97 -0.08	44.88 3.21 0.00	45.28 3.04 0.00	40.85 2.60 0.00	40.44 2.65 0.00	35.46 2.60 0.00	32.57 2.36 0.00	30.11 2.07 0.00
HIGH_RIVER___SOLAR 323847	25.40 1.14 0.00	23.57 1.02 0.00	21.63 0.89 0.00	20.85 0.88 0.00	20.77 0.86 0.00	21.75 0.88 0.00	22.65 0.87 0.00	22.42 0.78 0.00	24.04 0.86 0.00	24.24 0.87 0.00	26.60 0.97 0.00	27.48 1.13 0.00	30.38 1.25 0.00	32.47 1.34 0.00	33.90 1.55 0.00	34.93 1.69 0.00	38.73 1.78 0.13	43.83 2.17 0.00	44.68 2.45 0.00	40.58 2.33 0.00	40.10 2.31 0.00	34.83 1.97 0.00	31.96 1.75 0.00	29.61 1.57 0.00



HILLBURN___GT 23639	25.69 1.43 0.00	23.66 1.10 0.00	21.77 1.04 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.84 0.96 0.00	22.73 0.96 0.00	22.79 1.15 0.00	24.50 1.32 0.00	24.82 1.45 0.00	27.37 1.74 0.00	28.40 2.06 0.00	31.46 2.33 0.00	33.69 2.55 0.00	35.20 2.85 0.00	36.10 2.86 0.00	40.31 3.08 -0.16	44.96 3.29 0.00	45.40 3.17 0.00	41.00 2.76 0.00	40.48 2.68 0.00	35.26 2.40 0.00	32.42 2.20 0.00	30.00 1.96 0.00
HILLSIDE_115KV_TB1 80332	24.40 0.15 0.00	22.49 -0.07 0.00	20.51 -0.23 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.54 -0.33 0.00	21.67 -0.11 0.00	21.55 -0.09 0.00	23.04 -0.14 0.00	23.40 0.02 0.00	26.06 0.36 -0.08	26.94 0.50 -0.10	29.94 0.61 -0.19	31.94 0.59 -0.22	33.23 0.65 -0.23	34.20 0.76 -0.20	38.22 0.85 -0.29	43.18 1.08 -0.43	43.74 1.10 -0.41	39.33 0.84 -0.25	38.58 0.57 -0.22	33.53 0.49 -0.17	30.80 0.33 -0.26	28.65 0.48 -0.13
HISHELDN_WT_PWR 323625	24.35 0.10 0.00	22.31 -0.25 0.00	20.30 -0.44 0.00	19.33 -0.64 0.00	19.22 -0.70 0.00	20.25 -0.63 0.00	21.60 -0.17 0.00	21.29 -0.35 0.00	22.74 -0.44 0.00	23.16 -0.21 0.00	25.93 0.31 0.00	26.74 0.40 0.00	29.63 0.49 0.00	31.60 0.47 0.00	32.84 0.49 0.00	33.97 0.73 0.00	38.08 1.00 0.00	42.79 1.13 0.00	43.25 1.01 0.00	38.82 0.57 0.00	37.99 0.19 0.00	33.19 0.33 0.00	30.42 0.21 0.00	28.63 0.59 0.00
HOLTSVILLE_IC_1 23690	32.10 2.13 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.45 3.62 -1.59	40.86 3.60 -0.19	44.96 3.29 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.69 2.83 0.00	32.81 2.60 0.00	30.42 2.38 0.00
HOLTSVILLE_IC_10 23699	32.25 2.28 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.48 1.69 -0.92	23.43 1.65 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.57 2.29 -4.91	30.93 2.79 -2.51	35.70 3.13 -6.23	37.48 3.44 -4.91	39.27 3.73 -4.41	46.07 4.11 -9.61	38.75 3.92 -1.59	41.19 3.93 -0.19	45.29 3.62 0.00	45.78 3.55 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.65 2.61 0.00
HOLTSVILLE_IC_2 23691	32.10 2.13 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.45 3.62 -1.59	40.86 3.60 -0.19	44.96 3.29 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.69 2.83 0.00	32.81 2.60 0.00	30.42 2.38 0.00
HOLTSVILLE_IC_3 23692	32.10 2.13 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.45 3.62 -1.59	40.86 3.60 -0.19	44.96 3.29 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.69 2.83 0.00	32.81 2.60 0.00	30.42 2.38 0.00
HOLTSVILLE_IC_4 23693	32.10 2.13 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.45 3.62 -1.59	40.86 3.60 -0.19	44.96 3.29 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.69 2.83 0.00	32.81 2.60 0.00	30.42 2.38 0.00
HOLTSVILLE_IC_5 23694	32.10 2.13 -5.71	28.90 1.78 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.45 3.62 -1.59	40.86 3.60 -0.19	44.96 3.29 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.69 2.83 0.00	32.81 2.60 0.00	30.42 2.38 0.00
HOLTSVILLE_IC_6 23695	32.25 2.28 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.48 1.69 -0.92	23.43 1.65 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.57 2.29 -4.91	30.93 2.79 -2.51	35.70 3.13 -6.23	37.48 3.44 -4.91	39.27 3.73 -4.41	46.07 4.11 -9.61	38.75 3.92 -1.59	41.19 3.93 -0.19	45.29 3.62 0.00	45.78 3.55 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.65 2.61 0.00
HOLTSVILLE_IC_7 23696	32.25 2.28 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.48 1.69 -0.92	23.43 1.65 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.57 2.29 -4.91	30.93 2.79 -2.51	35.70 3.13 -6.23	37.48 3.44 -4.91	39.27 3.73 -4.41	46.07 4.11 -9.61	38.75 3.92 -1.59	41.19 3.93 -0.19	45.29 3.62 0.00	45.78 3.55 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.65 2.61 0.00
HOLTSVILLE_IC_8 23697	32.25 2.28 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.48 1.69 -0.92	23.43 1.65 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.57 2.29 -4.91	30.93 2.79 -2.51	35.70 3.13 -6.23	37.48 3.44 -4.91	39.27 3.73 -4.41	46.07 4.11 -9.61	38.75 3.92 -1.59	41.19 3.93 -0.19	45.29 3.62 0.00	45.78 3.55 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.65 2.61 0.00
HOLTSVILLE_IC_9 23698	32.25 2.28 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.48 1.69 -0.92	23.43 1.65 0.00	23.39 1.75 0.00	25.31 2.13 0.00	30.57 2.29 -4.91	30.93 2.79 -2.51	35.70 3.13 -6.23	37.48 3.44 -4.91	39.27 3.73 -4.41	46.07 4.11 -9.61	38.75 3.92 -1.59	41.19 3.93 -0.19	45.29 3.62 0.00	45.78 3.55 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.65 2.61 0.00
HOMER_HL_115KV_TB2 355744	24.38 0.12 0.00	22.35 -0.20 0.00	20.30 -0.44 0.00	19.37 -0.60 0.00	19.24 -0.68 0.00	20.25 -0.63 0.00	21.60 -0.17 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.21 -0.16 0.00	26.03 0.41 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.82 0.68 0.00	33.10 0.74 0.00	34.17 0.93 0.00	38.04 0.96 0.00	42.88 1.21 0.00	43.33 1.10 0.00	39.05 0.80 0.00	37.99 0.19 0.00	33.02 0.16 0.00	30.27 0.06 0.00	28.51 0.48 0.00
HOWARD_WT_PWR 323690	24.71 0.46 0.00	22.65 0.09 0.00	20.65 -0.08 0.00	19.81 -0.16 0.00	19.71 -0.20 0.00	20.79 -0.08 0.00	22.08 0.30 0.00	21.90 0.26 0.00	23.43 0.26 0.00	23.87 0.49 0.00	26.68 1.00 -0.06	27.52 1.11 -0.07	30.55 1.28 -0.14	32.59 1.31 -0.15	33.87 1.36 -0.16	34.97 1.60 -0.14	39.17 1.89 -0.21	44.31 2.33 -0.31	44.85 2.32 -0.29	40.25 1.84 -0.17	39.50 1.55 -0.15	34.46 1.48 -0.12	31.63 1.24 -0.18	29.56 1.43 -0.09



HQ_GEN_CEDARS 23644	23.13 -1.04 0.08	22.10 -0.45 0.00	20.34 -0.39 0.00	19.61 -0.36 0.00	19.60 -0.32 0.00	20.63 -0.25 0.00	21.54 -0.24 0.00	21.42 -0.22 0.00	22.95 -0.23 0.00	23.12 -0.26 0.00	22.90 -0.95 1.77	25.13 -1.21 0.00	27.73 -1.40 0.00	29.70 -1.43 0.00	30.73 -1.62 0.00	31.44 -1.79 0.00	35.19 -1.89 0.00	39.50 -2.17 0.00	40.17 -2.07 0.00	36.56 -1.68 0.00	36.13 -1.66 0.00	31.22 -1.64 0.00	28.88 -1.33 0.00	26.78 -1.26 0.00
HQ_GEN_CEDARS_PROXY 323590	23.08 -1.09 0.08	22.10 -0.45 0.00	20.34 -0.39 0.00	19.61 -0.36 0.00	19.59 -0.32 0.00	20.63 -0.25 0.00	21.54 -0.24 0.00	21.42 -0.22 0.00	22.95 -0.23 0.00	22.67 -0.70 0.00	23.08 -1.00 1.54	24.88 -1.24 0.23	27.73 -1.40 0.00	29.70 -1.43 0.00	30.73 -1.62 0.00	31.44 -1.80 0.00	35.19 -1.89 0.00	39.50 -2.17 0.00	40.17 -2.07 0.00	38.83 -1.72 -2.30	33.94 -1.55 2.30	31.28 -1.58 0.00	28.88 -1.33 0.00	26.75 -1.29 0.00
HQ_GEN_IMPORT 323601	23.82 -0.44 0.00	22.29 -0.27 0.00	20.49 -0.25 0.00	19.75 -0.22 0.00	19.71 -0.20 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.47 -0.17 0.00	23.02 -0.16 0.00	23.12 -0.26 0.00	25.50 -0.41 -0.29	25.51 -0.60 0.23	28.43 -0.70 0.00	30.42 -0.71 0.00	31.51 -0.84 0.00	32.34 -0.90 0.00	36.11 -0.96 0.00	40.58 -1.08 0.00	41.18 -1.05 0.00	39.63 -0.92 -2.30	34.63 -0.87 2.30	32.04 -0.82 0.00	29.55 -0.66 0.00	27.39 -0.64 0.00
HQ_GEN_WHEEL 23651	23.82 -0.44 0.00	22.29 -0.27 0.00	20.49 -0.25 0.00	19.75 -0.22 0.00	19.71 -0.20 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.47 -0.17 0.00	23.02 -0.16 0.00	23.12 -0.26 0.00	25.50 -0.41 -0.29	25.51 -0.60 0.23	28.43 -0.70 0.00	30.42 -0.71 0.00	31.51 -0.84 0.00	32.34 -0.90 0.00	36.11 -0.96 0.00	40.58 -1.08 0.00	41.18 -1.05 0.00	39.63 -0.92 -2.30	34.63 -0.87 2.30	32.04 -0.82 0.00	29.55 -0.66 0.00	27.39 -0.64 0.00
HUDSON AVE_GT_3 23810	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.24 3.11 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.79 4.13 0.00	46.12 3.89 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.59 2.55 0.00
HUDSON AVE_GT_4 23540	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.24 3.11 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.79 4.13 0.00	46.12 3.89 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.59 2.55 0.00
HUDSON AVE_GT_5 23657	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.09 1.45 0.00	24.85 1.67 0.00	25.13 1.75 0.00	27.80 2.18 0.00	28.90 2.56 0.00	32.05 2.91 0.00	34.24 3.11 0.00	35.81 3.46 0.00	36.69 3.46 0.00	41.07 3.82 -0.18	45.79 4.13 0.00	46.12 3.89 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.59 2.55 0.00
HUDSON_AVE_10 24168	25.86 1.60 0.00	23.89 1.33 0.00	22.00 1.26 0.00	21.13 1.16 0.00	21.07 1.15 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.78 2.15 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.18 3.05 0.00	35.78 3.43 0.00	36.63 3.39 0.00	41.03 3.78 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.57 3.33 0.00	41.20 3.40 0.00	35.95 3.09 0.00	32.96 2.75 0.00	30.56 2.52 0.00
HUDSON___115KV_TB 4 355613	25.44 1.19 0.00	23.77 1.22 0.00	21.86 1.12 0.00	21.05 1.08 0.00	20.99 1.08 0.00	21.96 1.09 0.00	22.80 1.02 0.00	22.51 0.87 0.00	24.13 0.95 0.00	24.00 0.63 0.00	26.29 0.67 0.00	27.16 0.82 0.00	30.01 0.87 0.00	32.07 0.93 0.00	33.52 1.16 0.00	34.53 1.30 0.00	38.42 1.45 0.10	43.50 1.83 0.00	44.22 1.99 0.00	40.16 1.91 0.00	39.69 1.89 0.00	34.54 1.68 0.00	31.66 1.45 0.00	29.33 1.29 0.00
HUNTER MOUNT___DRP 323613	25.59 1.33 0.00	23.93 1.38 0.00	21.98 1.24 0.00	21.19 1.22 0.00	21.11 1.19 0.00	22.11 1.23 0.00	22.91 1.13 0.00	22.55 0.91 0.00	24.13 0.95 0.00	23.96 0.58 0.00	26.21 0.59 0.00	27.05 0.71 0.00	29.92 0.79 0.00	32.00 0.87 0.00	33.45 1.10 0.00	34.47 1.23 0.00	38.42 1.41 0.06	43.58 1.92 0.00	44.35 2.11 0.00	40.27 2.03 0.00	39.84 2.04 0.00	34.63 1.77 0.00	31.75 1.54 0.00	29.41 1.37 0.00
HUNTINGTON_RES_REC 323705	31.98 2.01 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.56 1.49 -1.15	23.30 1.50 -0.92	23.26 1.48 0.00	23.24 1.60 0.00	25.13 1.95 0.00	30.39 2.10 -4.91	30.52 2.38 -2.51	35.31 2.74 -6.23	37.10 3.06 -4.91	38.86 3.30 -4.43	45.65 3.65 -9.64	38.34 3.49 -1.62	40.81 3.52 -0.21	44.88 3.21 0.00	45.32 3.08 0.00	41.11 2.83 -0.04	40.44 2.64 0.00	35.56 2.70 0.00	32.63 2.42 0.00	30.25 2.21 0.00
HUNTLEY___63 23557	24.33 0.07 0.00	22.28 -0.27 0.00	20.22 -0.52 0.00	19.21 -0.76 0.00	19.08 -0.84 0.00	20.08 -0.79 0.00	21.47 -0.30 0.00	21.14 -0.50 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.80 0.18 0.00	26.66 0.32 0.00	29.60 0.47 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.38 0.71 0.00	42.78 0.55 0.00	38.48 0.23 0.00	37.65 -0.15 0.00	32.60 -0.26 0.00	29.88 -0.33 0.00	28.21 0.17 0.00
HUNTLEY___64 23558	24.33 0.07 0.00	22.28 -0.27 0.00	20.22 -0.52 0.00	19.21 -0.76 0.00	19.08 -0.84 0.00	20.08 -0.79 0.00	21.47 -0.30 0.00	21.14 -0.50 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.80 0.18 0.00	26.66 0.32 0.00	29.60 0.47 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.38 0.71 0.00	42.78 0.55 0.00	38.48 0.23 0.00	37.65 -0.15 0.00	32.60 -0.26 0.00	29.88 -0.33 0.00	28.21 0.17 0.00
HUNTLEY___65 23559	24.33 0.07 0.00	22.28 -0.27 0.00	20.22 -0.52 0.00	19.21 -0.76 0.00	19.08 -0.84 0.00	20.08 -0.79 0.00	21.47 -0.30 0.00	21.14 -0.50 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.80 0.18 0.00	26.66 0.32 0.00	29.60 0.47 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.38 0.71 0.00	42.78 0.55 0.00	38.48 0.23 0.00	37.65 -0.15 0.00	32.60 -0.26 0.00	29.88 -0.33 0.00	28.21 0.17 0.00
HUNTLEY___66 23560	24.33 0.07 0.00	22.28 -0.27 0.00	20.22 -0.52 0.00	19.21 -0.76 0.00	19.08 -0.84 0.00	20.08 -0.79 0.00	21.47 -0.30 0.00	21.14 -0.50 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.80 0.18 0.00	26.66 0.32 0.00	29.60 0.47 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.38 0.71 0.00	42.78 0.55 0.00	38.48 0.23 0.00	37.65 -0.15 0.00	32.60 -0.26 0.00	29.88 -0.33 0.00	28.21 0.17 0.00



HUNTLEY___67 23561	24.16 -0.10 0.00	22.15 -0.41 0.00	20.09 -0.64 0.00	19.11 -0.86 0.00	18.96 -0.96 0.00	19.96 -0.92 0.00	21.38 -0.39 0.00	21.06 -0.58 0.00	22.44 -0.74 0.00	22.83 -0.54 0.00	25.62 0.00 0.00	26.47 0.13 0.00	29.34 0.20 0.00	31.19 0.06 0.00	32.42 0.06 0.00	33.54 0.30 0.00	37.41 0.33 0.00	42.08 0.42 0.00	42.45 0.21 0.00	38.21 -0.04 0.00	37.38 -0.42 0.00	32.40 -0.46 0.00	29.70 -0.51 0.00	28.01 -0.03 0.00
HUNTLEY___68 23562	24.16 -0.10 0.00	22.15 -0.41 0.00	20.09 -0.64 0.00	19.11 -0.86 0.00	18.96 -0.96 0.00	19.96 -0.92 0.00	21.38 -0.39 0.00	21.06 -0.58 0.00	22.44 -0.74 0.00	22.83 -0.54 0.00	25.62 0.00 0.00	26.47 0.13 0.00	29.34 0.20 0.00	31.19 0.06 0.00	32.42 0.06 0.00	33.54 0.30 0.00	37.41 0.33 0.00	42.08 0.42 0.00	42.45 0.21 0.00	38.21 -0.04 0.00	37.38 -0.42 0.00	32.40 -0.46 0.00	29.70 -0.51 0.00	28.01 -0.03 0.00
HYLAND___LFG 323620	25.56 1.31 0.00	23.37 0.81 0.00	21.30 0.56 0.00	20.31 0.34 0.00	20.21 0.30 0.00	21.36 0.48 0.00	22.52 0.74 0.00	22.12 0.48 0.00	23.34 0.16 0.00	23.58 0.21 0.00	26.19 0.56 0.00	26.84 0.50 0.00	29.75 0.61 0.00	31.63 0.50 0.00	32.93 0.58 0.00	34.57 1.33 0.00	38.97 1.89 0.00	44.21 2.54 0.00	44.90 2.66 0.00	40.92 2.68 0.00	40.63 2.84 0.00	35.49 2.63 0.00	32.24 2.02 0.00	30.17 2.13 0.00
INDECK___CORINTH 23802	25.23 0.97 0.00	23.48 0.93 0.00	21.50 0.77 0.00	20.71 0.74 0.00	20.63 0.72 0.00	21.61 0.73 0.00	22.47 0.70 0.00	22.18 0.54 0.00	23.90 0.72 0.00	24.14 0.77 0.00	26.19 0.56 0.00	27.13 0.79 0.00	29.86 0.73 0.00	31.88 0.75 0.00	33.39 1.03 0.00	34.40 1.16 0.00	38.10 1.19 0.17	43.34 1.67 0.00	44.47 2.24 0.00	40.42 2.18 0.00	40.14 2.34 0.00	34.87 2.00 0.00	31.90 1.69 0.00	29.49 1.46 0.00
INDECK___ILION 23567	24.52 0.27 0.00	22.78 0.23 0.00	20.94 0.21 0.00	20.17 0.20 0.00	20.11 0.20 0.00	21.09 0.21 0.00	21.99 0.22 0.00	21.86 0.22 0.00	23.39 0.21 0.00	23.61 0.23 0.00	25.88 0.28 0.03	26.69 0.34 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.80 0.45 0.00	33.74 0.50 0.00	37.63 0.56 0.00	42.29 0.63 0.00	42.87 0.63 0.00	38.86 0.61 0.00	38.40 0.60 0.00	33.39 0.53 0.00	30.66 0.45 0.00	28.46 0.42 0.00
INDECK___OLEAN 23982	24.47 0.22 0.00	22.35 -0.20 0.00	20.30 -0.44 0.00	19.35 -0.62 0.00	19.24 -0.68 0.00	20.27 -0.61 0.00	21.60 -0.17 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.26 -0.12 0.00	26.03 0.41 0.00	26.82 0.47 0.00	29.75 0.61 0.00	31.82 0.68 0.00	33.10 0.74 0.00	34.20 0.96 0.00	38.23 1.15 0.00	43.04 1.37 0.00	43.46 1.23 0.00	39.05 0.80 0.00	37.99 0.19 0.00	33.19 0.33 0.00	30.48 0.27 0.00	28.71 0.67 0.00
INDECK___OSWEGO 23783	23.89 -0.36 0.00	22.13 -0.43 0.00	20.32 -0.41 0.00	19.53 -0.44 0.00	19.46 -0.46 0.00	20.40 -0.48 0.00	21.30 -0.48 0.00	21.10 -0.54 0.00	22.55 -0.62 0.00	22.84 -0.56 -0.03	25.71 -0.49 -0.57	26.63 -0.45 -0.74	30.19 -0.44 -1.49	32.32 -0.50 -1.69	33.60 -0.52 -1.77	34.25 -0.50 -1.51	38.79 -0.56 -2.27	44.48 -0.54 -3.36	44.85 -0.55 -3.16	39.61 -0.54 -1.90	38.96 -0.53 -1.69	33.78 -0.43 -1.35	31.80 -0.42 -2.01	28.68 -0.39 -1.03
INDECK___YERKES 23781	24.43 0.17 0.00	22.33 -0.23 0.00	20.28 -0.46 0.00	19.25 -0.72 0.00	19.08 -0.84 0.00	20.15 -0.73 0.00	21.49 -0.28 0.00	21.16 -0.48 0.00	22.55 -0.62 0.00	23.00 -0.37 0.00	25.83 0.20 0.00	26.63 0.29 0.00	29.54 0.41 0.00	31.51 0.37 0.00	32.74 0.39 0.00	33.90 0.66 0.00	38.04 0.96 0.00	42.71 1.04 0.00	43.00 0.76 0.00	38.55 0.30 0.00	37.72 -0.08 0.00	32.96 0.10 0.00	30.21 0.00 0.00	28.48 0.45 0.00
INDIAN POINT_GT_1 24139	25.64 1.38 0.00	23.68 1.13 0.00	21.82 1.08 0.00	20.97 1.00 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.78 1.00 0.00	22.83 1.19 0.00	24.55 1.37 0.00	24.82 1.45 0.00	27.42 1.79 0.00	28.45 2.11 0.00	31.52 2.39 0.00	33.72 2.58 0.00	35.26 2.91 0.00	36.16 2.92 0.00	40.47 3.23 -0.17	45.13 3.46 0.00	45.53 3.29 0.00	41.11 2.87 0.00	40.67 2.87 0.00	35.49 2.63 0.00	32.54 2.33 0.00	30.14 2.10 0.00
INDIAN POINT_GT_2 23659	25.64 1.38 0.00	23.68 1.13 0.00	21.82 1.08 0.00	20.97 1.00 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.78 1.00 0.00	22.83 1.19 0.00	24.55 1.37 0.00	24.82 1.45 0.00	27.42 1.79 0.00	28.45 2.11 0.00	31.52 2.39 0.00	33.72 2.58 0.00	35.26 2.91 0.00	36.16 2.92 0.00	40.47 3.23 -0.17	45.13 3.46 0.00	45.53 3.29 0.00	41.11 2.87 0.00	40.67 2.87 0.00	35.49 2.63 0.00	32.54 2.33 0.00	30.14 2.10 0.00
INDIAN POINT_GT_3 24019	25.64 1.38 0.00	23.68 1.13 0.00	21.82 1.08 0.00	20.97 1.00 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.78 1.00 0.00	22.83 1.19 0.00	24.55 1.37 0.00	24.82 1.45 0.00	27.42 1.79 0.00	28.45 2.11 0.00	31.52 2.39 0.00	33.72 2.58 0.00	35.26 2.91 0.00	36.16 2.92 0.00	40.47 3.23 -0.17	45.13 3.46 0.00	45.53 3.29 0.00	41.11 2.87 0.00	40.67 2.87 0.00	35.49 2.63 0.00	32.54 2.33 0.00	30.14 2.10 0.00
INDIAN POINT___2 23530	25.66 1.41 0.00	23.66 1.10 0.00	21.77 1.04 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.84 0.96 0.00	22.73 0.96 0.00	22.79 1.15 0.00	24.50 1.32 0.00	24.85 1.47 0.00	27.39 1.77 0.00	28.42 2.08 0.00	31.49 2.36 0.00	33.65 2.52 0.00	35.20 2.85 0.00	36.06 2.82 0.00	40.28 3.04 -0.17	44.88 3.21 0.00	45.32 3.08 0.00	40.96 2.72 0.00	40.48 2.68 0.00	35.23 2.37 0.00	32.39 2.18 0.00	30.00 1.96 0.00
INDIAN POINT___3 23531	25.61 1.36 0.00	23.66 1.11 0.00	21.79 1.06 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.86 0.98 0.00	22.76 0.98 0.00	22.79 1.15 0.00	24.50 1.32 0.00	24.75 1.38 0.00	27.34 1.72 0.00	28.37 2.03 0.00	31.46 2.33 0.00	33.62 2.49 0.00	35.17 2.81 0.00	36.06 2.83 0.00	40.36 3.11 -0.17	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.59 2.80 0.00	35.42 2.56 0.00	32.45 2.24 0.00	30.08 2.05 0.00
INGHAM_C_115KV_TB7 356103	24.57 0.32 0.00	22.80 0.25 0.00	20.96 0.23 0.00	20.21 0.24 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.06 0.28 0.00	21.92 0.28 0.00	23.46 0.28 0.00	23.70 0.33 0.00	25.93 0.33 0.03	26.76 0.42 0.00	29.60 0.47 0.00	31.66 0.53 0.00	32.87 0.52 0.00	33.80 0.57 0.00	37.67 0.59 0.00	42.38 0.71 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.48 0.62 0.00	30.76 0.54 0.00	28.54 0.50 0.00
IP CORINTH___1 23988	25.35 1.09 0.00	23.59 1.04 0.00	21.61 0.87 0.00	20.81 0.84 0.00	20.73 0.82 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.31 0.67 0.00	24.01 0.83 0.00	24.21 0.84 0.00	26.34 0.72 0.00	27.27 0.92 0.00	30.04 0.90 0.00	32.07 0.93 0.00	33.58 1.23 0.00	34.60 1.36 0.00	38.28 1.37 0.17	43.54 1.88 0.00	44.68 2.45 0.00	40.66 2.41 0.00	40.33 2.53 0.00	35.13 2.27 0.00	32.08 1.87 0.00	29.69 1.65 0.00



IP___TICONDEROGA 23804	26.70 2.45 0.00	24.88 2.32 0.00	22.69 1.95 0.00	21.87 1.90 0.00	21.77 1.85 0.00	22.80 1.92 0.00	23.69 1.92 0.00	23.26 1.62 0.00	25.17 1.99 0.00	25.41 2.03 0.00	27.70 2.08 0.00	28.79 2.45 0.00	31.73 2.59 0.00	33.87 2.74 0.00	35.55 3.20 0.00	36.69 3.46 0.00	40.58 3.67 0.17	46.38 4.71 0.00	47.64 5.41 0.00	43.41 5.16 0.00	42.94 5.14 0.00	37.49 4.63 0.00	34.17 3.96 0.00	31.54 3.50 0.00
ISLIP_RES_REC 323679	32.40 2.43 -5.71	29.13 2.01 -4.56	25.12 1.87 -2.51	22.97 1.76 -1.24	22.82 1.75 -1.15	23.57 1.77 -0.92	23.54 1.76 0.00	23.50 1.86 0.00	25.43 2.25 0.00	30.71 2.43 -4.91	31.10 2.97 -2.51	35.94 3.37 -6.23	37.75 3.70 -4.91	39.56 4.02 -4.41	46.36 4.40 -9.61	39.05 4.22 -1.59	41.52 4.26 -0.19	45.67 4.00 0.00	46.16 3.93 0.00	41.85 3.59 -0.01	41.16 3.36 0.00	36.21 3.35 0.00	33.23 3.02 0.00	30.84 2.80 0.00
JAMAICA__27_KV_LOAD 355505	26.05 1.79 0.00	24.04 1.49 0.00	22.15 1.41 0.00	21.25 1.28 0.00	21.19 1.27 0.00	22.17 1.29 0.00	23.10 1.33 0.00	23.24 1.60 0.00	25.01 1.83 0.00	25.29 1.92 0.00	28.01 2.38 0.00	29.14 2.79 0.00	32.31 3.18 0.00	34.46 3.33 0.00	36.07 3.72 0.00	36.93 3.69 0.00	41.41 4.15 -0.18	46.13 4.46 0.00	46.50 4.27 0.00	41.99 3.75 0.00	41.65 3.86 0.00	36.28 3.42 0.00	33.23 3.02 0.00	30.87 2.83 0.00
JANIS___SOLAR 323808	25.42 1.16 0.00	23.41 0.86 0.00	21.44 0.71 0.00	20.63 0.66 0.00	20.55 0.64 0.00	21.59 0.71 0.00	22.67 0.89 0.00	22.42 0.78 0.00	23.90 0.72 0.00	24.27 0.89 -0.01	26.76 1.03 -0.11	27.63 1.16 -0.13	30.71 1.31 -0.27	32.84 1.40 -0.31	34.06 1.39 -0.32	35.04 1.53 -0.27	39.38 1.89 -0.41	44.73 2.46 -0.61	45.60 2.79 -0.57	41.27 2.68 -0.34	40.79 2.68 -0.31	35.40 2.30 -0.24	32.57 1.99 -0.36	30.05 1.82 -0.19
JARVIS____ 23743	24.42 0.17 0.00	22.69 0.14 0.00	20.86 0.13 0.00	20.09 0.12 0.00	20.03 0.12 0.00	20.98 0.10 0.00	21.89 0.11 0.00	21.75 0.11 0.00	23.27 0.09 0.00	23.49 0.12 0.00	25.75 0.15 0.03	26.55 0.21 0.00	29.36 0.23 0.00	31.41 0.28 0.00	32.67 0.32 0.00	33.57 0.33 0.00	37.41 0.33 0.00	42.04 0.37 0.00	42.61 0.38 0.00	38.59 0.34 0.00	38.14 0.34 0.00	33.16 0.30 0.00	30.48 0.27 0.00	28.29 0.25 0.00
JENNISON___1 23625	25.52 1.26 0.00	23.55 0.99 0.00	21.59 0.85 0.00	20.77 0.80 0.00	20.69 0.78 0.00	21.69 0.81 0.00	22.76 0.98 0.00	22.57 0.93 0.00	24.11 0.93 0.00	24.50 1.12 0.00	27.00 1.31 -0.07	27.98 1.55 -0.08	31.08 1.78 -0.17	33.29 1.96 -0.19	34.53 1.97 -0.20	35.50 2.09 -0.17	39.71 2.37 -0.26	44.84 2.79 -0.39	45.60 3.00 -0.36	41.22 2.75 -0.22	40.67 2.68 -0.19	35.35 2.33 -0.16	32.50 2.05 -0.23	30.01 1.85 -0.12
JENNISON___2 23626	25.52 1.26 0.00	23.55 0.99 0.00	21.59 0.85 0.00	20.77 0.80 0.00	20.69 0.78 0.00	21.69 0.81 0.00	22.76 0.98 0.00	22.57 0.93 0.00	24.11 0.93 0.00	24.50 1.12 0.00	27.00 1.31 -0.07	27.98 1.55 -0.08	31.08 1.78 -0.17	33.29 1.96 -0.19	34.53 1.97 -0.20	35.50 2.09 -0.17	39.71 2.37 -0.26	44.84 2.79 -0.39	45.60 3.00 -0.36	41.22 2.75 -0.22	40.67 2.68 -0.19	35.35 2.33 -0.16	32.50 2.05 -0.23	30.01 1.85 -0.12
JERICHO_RISE_WT_PWR 323719	23.11 -1.14 0.01	21.79 -0.77 0.00	20.07 -0.66 0.00	19.41 -0.56 0.00	19.42 -0.50 0.00	20.50 -0.38 0.00	21.49 -0.28 0.00	21.45 -0.20 0.00	23.06 -0.12 0.00	23.09 -0.28 0.00	24.93 -0.56 0.12	25.55 -0.79 0.00	28.20 -0.93 0.00	30.17 -0.97 0.00	31.19 -1.16 0.00	31.94 -1.30 0.00	35.67 -1.41 0.00	40.13 -1.54 0.00	40.93 -1.31 0.00	37.21 -1.03 0.00	36.93 -0.87 0.00	31.81 -1.05 0.00	29.33 -0.88 0.00	27.20 -0.84 0.00
KATONAH___115KV_46KV_TB4 355592	25.78 1.53 0.00	23.82 1.26 0.00	21.94 1.20 0.00	21.11 1.14 0.00	21.05 1.14 0.00	22.00 1.13 0.00	22.93 1.15 0.00	23.00 1.36 0.00	24.78 1.60 0.00	25.05 1.68 0.00	27.72 2.10 0.00	28.77 2.42 0.00	31.87 2.74 0.00	34.09 2.96 0.00	35.68 3.33 0.00	36.59 3.36 0.00	40.92 3.67 -0.17	45.58 3.92 0.00	46.04 3.80 0.00	41.61 3.37 0.00	41.20 3.40 0.00	35.85 2.99 0.00	32.81 2.60 0.00	30.39 2.36 0.00
KCE_NY_1 323755	25.49 1.24 0.00	23.70 1.15 0.00	21.73 1.00 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.86 0.98 0.00	22.71 0.94 0.00	22.48 0.84 0.00	24.15 0.97 0.00	24.35 0.98 0.00	26.67 1.05 0.00	27.61 1.26 0.00	30.47 1.34 0.00	32.53 1.40 0.00	34.00 1.65 0.00	35.03 1.79 0.00	38.79 1.89 0.17	44.00 2.33 0.00	44.81 2.58 0.00	40.70 2.45 0.00	40.25 2.46 0.00	34.97 2.10 0.00	32.05 1.84 0.00	29.72 1.68 0.00
KCE_NY_6_ESR 323823	24.55 0.29 0.00	22.42 -0.13 0.00	20.38 -0.35 0.00	19.35 -0.62 0.00	19.22 -0.70 0.00	20.27 -0.61 0.00	21.65 -0.13 0.00	21.34 -0.30 0.00	22.76 -0.42 0.00	23.18 -0.19 0.00	26.03 0.41 0.00	26.84 0.50 0.00	29.77 0.64 0.00	31.79 0.65 0.00	33.03 0.68 0.00	34.20 0.96 0.00	38.30 1.22 0.00	43.04 1.37 0.00	43.38 1.14 0.00	38.90 0.65 0.00	38.02 0.23 0.00	33.22 0.36 0.00	30.45 0.24 0.00	28.71 0.67 0.00
KEDC_PORT_JEFF_GT2 24210	32.18 2.21 -5.71	28.95 1.83 -4.56	24.95 1.70 -2.51	22.83 1.62 -1.24	22.68 1.61 -1.15	23.42 1.63 -0.92	23.37 1.59 0.00	23.35 1.71 0.00	25.24 2.06 0.00	30.50 2.22 -4.91	30.82 2.69 -2.51	35.55 2.98 -6.23	37.34 3.29 -4.91	39.09 3.55 -4.41	45.85 3.88 -9.62	38.55 3.72 -1.59	40.97 3.71 -0.19	44.79 3.13 0.00	45.32 3.08 0.00	41.32 3.06 -0.01	40.63 2.84 0.00	35.75 2.89 0.00	32.90 2.69 0.00	30.53 2.49 0.00
KEDC_PORT_JEFF_GT3 24211	32.18 2.21 -5.71	28.95 1.83 -4.56	24.95 1.70 -2.51	22.83 1.62 -1.24	22.68 1.61 -1.15	23.42 1.63 -0.92	23.37 1.59 0.00	23.35 1.71 0.00	25.24 2.06 0.00	30.50 2.22 -4.91	30.82 2.69 -2.51	35.55 2.98 -6.23	37.34 3.29 -4.91	39.09 3.55 -4.41	45.85 3.88 -9.62	38.55 3.72 -1.59	40.97 3.71 -0.19	44.79 3.13 0.00	45.32 3.08 0.00	41.32 3.06 -0.01	40.63 2.84 0.00	35.75 2.89 0.00	32.90 2.69 0.00	30.53 2.49 0.00
KEDC_GLWD_GT4 24219	32.06 2.09 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.28 1.64 0.00	25.13 1.95 0.00	30.41 2.13 -4.91	30.72 2.59 -2.51	35.55 2.98 -6.23	37.42 3.38 -4.91	39.14 3.61 -4.40	45.93 3.98 -9.60	38.50 3.69 -1.58	40.85 3.60 -0.18	45.17 3.50 0.00	45.57 3.34 0.00	41.19 2.95 0.00	40.63 2.84 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.56 2.52 0.00
KEDC_GLWD_GT5 24220	32.06 2.09 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.28 1.64 0.00	25.13 1.95 0.00	30.41 2.13 -4.91	30.72 2.59 -2.51	35.55 2.98 -6.23	37.42 3.38 -4.91	39.14 3.61 -4.40	45.93 3.98 -9.60	38.50 3.69 -1.58	40.85 3.60 -0.18	45.17 3.50 0.00	45.57 3.34 0.00	41.19 2.95 0.00	40.63 2.84 0.00	35.95 3.09 0.00	33.02 2.81 0.00	30.56 2.52 0.00



KENSICO____ 23655	25.71 1.46 0.00	23.77 1.22 0.00	21.88 1.14 0.00	21.05 1.08 0.00	20.97 1.06 0.00	21.94 1.06 0.00	22.84 1.07 0.00	22.90 1.26 0.00	24.64 1.46 0.00	24.89 1.52 0.00	27.52 1.90 0.00	28.56 2.21 0.00	31.67 2.53 0.00	33.84 2.71 0.00	35.39 3.04 0.00	36.29 3.06 0.00	40.59 3.34 -0.18	45.25 3.58 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.82 3.02 0.00	35.62 2.76 0.00	32.63 2.42 0.00	30.22 2.19 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	25.66 1.41 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.85 0.94 0.00	21.84 0.96 0.00	22.67 0.89 0.00	22.59 0.95 0.00	24.22 1.04 0.00	24.52 1.15 0.00	27.03 1.41 0.00	28.06 1.71 0.00	31.23 2.10 0.00	33.22 2.09 0.00	34.68 2.33 0.00	35.63 2.39 0.00	39.91 2.74 -0.09	44.63 2.96 0.00	45.11 2.87 0.00	40.73 2.49 0.00	40.33 2.53 0.00	35.39 2.53 0.00	32.51 2.30 0.00	30.06 2.02 0.00
KIAC_JFK_GT1 23816	25.90 1.65 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.11 1.47 0.00	24.89 1.72 0.00	25.15 1.78 0.00	27.85 2.23 0.00	28.98 2.63 0.00	32.13 3.00 0.00	34.15 3.02 0.00	35.75 3.40 0.00	36.56 3.32 0.00	41.00 3.74 -0.18	45.67 4.00 0.00	46.04 3.80 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.95 3.09 0.00	32.93 2.72 0.00	30.67 2.64 0.00
KIAC_JFK_GT2 23817	25.90 1.65 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.11 1.47 0.00	24.89 1.72 0.00	25.15 1.78 0.00	27.85 2.23 0.00	28.98 2.63 0.00	32.13 3.00 0.00	34.15 3.02 0.00	35.75 3.40 0.00	36.56 3.32 0.00	41.00 3.74 -0.18	45.67 4.00 0.00	46.04 3.80 0.00	41.61 3.37 0.00	41.24 3.44 0.00	35.95 3.09 0.00	32.93 2.72 0.00	30.67 2.64 0.00
KIAC_JFK____ 323774	26.02 1.77 0.00	23.91 1.35 0.00	22.00 1.27 0.00	21.15 1.18 0.00	21.07 1.15 0.00	22.07 1.19 0.00	23.00 1.22 0.00	23.11 1.47 0.00	24.89 1.72 0.00	25.24 1.87 0.00	27.90 2.28 0.00	29.00 2.66 0.00	32.13 3.00 0.00	34.15 3.02 0.00	35.75 3.40 0.00	36.56 3.32 0.00	40.96 3.71 -0.18	45.54 3.88 0.00	45.91 3.67 0.00	41.54 3.29 0.00	41.12 3.33 0.00	35.75 2.89 0.00	32.84 2.63 0.00	30.59 2.55 0.00
KINTIGH____ 23543	24.04 -0.22 0.00	22.08 -0.47 0.00	20.07 -0.66 0.00	19.11 -0.86 0.00	18.98 -0.94 0.00	19.96 -0.92 0.00	21.32 -0.46 0.00	21.06 -0.58 0.00	22.44 -0.74 0.00	22.81 -0.56 0.00	25.50 -0.13 0.00	26.32 -0.03 0.00	29.13 0.00 0.00	30.94 -0.19 0.00	32.19 -0.16 0.00	33.27 0.03 0.00	37.15 0.07 0.00	41.83 0.17 0.00	42.24 0.00 0.00	38.05 -0.19 0.00	37.34 -0.45 0.00	32.33 -0.53 0.00	29.64 -0.57 0.00	27.81 -0.22 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	23.38 -0.87 0.00	22.04 -0.52 0.00	20.28 -0.46 0.00	19.59 -0.38 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.54 0.16 0.00	25.36 -0.23 0.03	25.92 -0.42 0.00	28.58 -0.55 0.00	30.57 -0.56 0.00	31.61 -0.74 0.00	32.37 -0.86 0.00	36.19 -0.89 0.00	40.75 -0.92 0.00	41.60 -0.63 0.00	37.94 -0.31 0.00	37.46 -0.34 0.00	32.24 -0.62 0.00	29.79 -0.42 0.00	27.59 -0.45 0.00
LACHUTE____HYDRO 323717	26.73 2.48 0.00	24.88 2.32 0.00	22.69 1.95 0.00	21.87 1.90 0.00	21.77 1.85 0.00	22.80 1.92 0.00	23.69 1.92 0.00	23.28 1.64 0.00	25.17 1.99 0.00	25.45 2.08 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.72 2.59 0.00	33.87 2.74 0.00	35.55 3.20 0.00	36.69 3.46 0.00	40.65 3.74 0.17	46.42 4.75 0.00	47.64 5.41 0.00	43.37 5.13 0.00	43.01 5.22 0.00	37.43 4.57 0.00	34.17 3.96 0.00	31.54 3.50 0.00
LAWRNCALV_115KV_TB1 80681	22.71 -1.48 0.07	21.65 -0.90 0.00	19.97 -0.77 0.00	19.25 -0.72 0.00	19.24 -0.68 0.00	20.25 -0.63 0.00	21.17 -0.61 0.00	21.03 -0.61 0.00	22.53 -0.65 0.00	22.72 -0.65 0.00	22.83 -1.41 1.39	24.68 -1.66 0.00	27.24 -1.89 0.00	29.20 -1.93 0.00	30.22 -2.14 0.00	30.84 -2.39 0.00	34.52 -2.56 0.00	38.79 -2.88 0.00	39.49 -2.75 0.00	35.95 -2.29 0.00	35.57 -2.23 0.00	30.72 -2.14 0.00	28.46 -1.75 0.00	26.33 -1.71 0.00
LEDERLE____ 23769	25.71 1.46 0.00	23.75 1.20 0.00	21.86 1.12 0.00	21.01 1.04 0.00	20.95 1.04 0.00	21.92 1.04 0.00	22.80 1.02 0.00	22.85 1.21 0.00	24.55 1.37 0.00	24.82 1.45 0.00	27.42 1.79 0.00	28.45 2.11 0.00	31.58 2.45 0.00	33.78 2.65 0.00	35.33 2.98 0.00	36.23 2.99 0.00	40.54 3.30 -0.16	45.25 3.58 0.00	45.66 3.42 0.00	41.23 2.98 0.00	40.74 2.95 0.00	35.56 2.69 0.00	32.60 2.39 0.00	30.17 2.13 0.00
LIGHTHSE_115KV_TB6 355974	23.96 -0.29 0.01	22.19 -0.36 0.00	20.41 -0.33 0.00	19.63 -0.34 0.00	19.56 -0.36 0.00	20.46 -0.42 0.00	21.36 -0.41 0.00	21.14 -0.50 0.00	22.55 -0.63 0.00	22.90 -0.49 -0.02	25.39 -0.44 -0.20	26.40 -0.34 -0.40	29.58 -0.35 -0.80	31.67 -0.37 -0.91	32.88 -0.42 -0.95	33.62 -0.43 -0.81	37.78 -0.52 -1.22	43.01 -0.46 -1.80	43.56 -0.38 -1.70	39.00 -0.27 -1.02	38.52 -0.19 -0.91	33.42 -0.16 -0.73	31.08 -0.21 -1.08	28.37 -0.22 -0.55
LINDEN COGEN____ 23786	25.86 1.60 0.00	23.77 1.22 0.00	21.92 1.18 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.96 1.08 0.00	22.89 1.11 0.00	23.01 1.36 0.00	24.76 1.58 0.00	25.10 1.73 0.00	27.72 2.10 0.00	28.79 2.45 0.00	31.90 2.77 0.00	34.12 2.99 0.00	35.65 3.30 0.00	36.53 3.29 0.00	40.81 3.56 -0.18	45.37 3.71 0.00	45.78 3.55 0.00	41.31 3.06 0.00	40.90 3.10 0.00	35.62 2.76 0.00	32.75 2.54 0.00	30.34 2.30 0.00
LINDHRST_69_KV_BK1 356055	32.20 2.23 -5.71	29.04 1.92 -4.56	25.06 1.80 -2.51	22.89 1.68 -1.24	22.74 1.67 -1.15	23.51 1.71 -0.92	23.48 1.70 0.00	23.46 1.82 0.00	25.36 2.18 0.00	30.53 2.24 -4.91	30.87 2.74 -2.51	35.76 3.19 -6.23	37.63 3.58 -4.91	39.39 3.86 -4.40	46.19 4.24 -9.60	39.10 4.29 -1.58	42.00 4.75 -0.18	46.29 4.63 0.00	46.71 4.48 0.00	42.26 4.02 0.00	41.58 3.78 0.00	36.77 3.91 0.00	33.57 3.35 0.00	31.18 3.14 0.00
LIPA_MISC_IPP 23656	32.06 2.09 -5.71	28.90 1.78 -4.56	24.93 1.68 -2.51	22.79 1.58 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.29 1.64 0.00	25.17 1.99 0.00	30.36 2.08 -4.91	30.72 2.59 -2.51	35.60 3.03 -6.23	37.48 3.44 -4.91	39.30 3.77 -4.41	46.14 4.17 -9.61	39.01 4.19 -1.59	41.90 4.63 -0.19	46.13 4.46 0.00	46.59 4.35 0.00	42.23 3.98 -0.01	41.43 3.63 0.00	36.67 3.81 0.00	33.38 3.17 0.00	31.07 3.03 0.00
LISF____SOLAR 323691	32.20 2.23 -5.71	28.95 1.83 -4.56	24.97 1.72 -2.51	22.83 1.62 -1.24	22.66 1.59 -1.15	23.42 1.63 -0.92	23.37 1.59 0.00	23.31 1.67 0.00	25.22 2.04 0.00	30.46 2.17 -4.91	30.82 2.69 -2.51	35.62 3.05 -6.23	37.42 3.38 -4.91	39.21 3.67 -4.41	46.01 4.04 -9.61	38.65 3.82 -1.59	41.12 3.86 -0.19	45.29 3.62 0.00	45.82 3.59 0.00	41.55 3.29 -0.01	40.86 3.06 0.00	35.92 3.06 0.00	32.99 2.78 0.00	30.59 2.55 0.00



LITTLE FALLS___HYD 24013	24.57 0.32 0.00	22.80 0.25 0.00	20.96 0.23 0.00	20.21 0.24 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.06 0.28 0.00	21.92 0.28 0.00	23.46 0.28 0.00	23.70 0.33 0.00	25.93 0.33 0.03	26.76 0.42 0.00	29.60 0.47 0.00	31.66 0.53 0.00	32.87 0.52 0.00	33.80 0.57 0.00	37.67 0.59 0.00	42.38 0.71 0.00	42.95 0.72 0.00	38.93 0.69 0.00	38.51 0.72 0.00	33.48 0.62 0.00	30.76 0.54 0.00	28.54 0.50 0.00
LITTLRIV_115KV_TB1 356100	22.96 -1.24 0.06	21.88 -0.68 0.00	20.16 -0.58 0.00	19.45 -0.52 0.00	19.44 -0.48 0.00	20.46 -0.42 0.00	21.41 -0.37 0.00	21.25 -0.39 0.00	22.74 -0.44 0.00	22.93 -0.44 0.00	23.16 -1.18 1.28	24.97 -1.42 -0.05	27.60 -1.63 -0.10	29.65 -1.59 -0.11	30.62 -1.84 -0.12	31.27 -2.06 -0.10	35.04 -2.19 -0.15	39.34 -2.54 -0.22	40.08 -2.37 -0.21	36.53 -1.84 -0.12	36.13 -1.78 -0.11	31.17 -1.77 -0.09	28.89 -1.45 -0.13	26.65 -1.46 -0.07
LI_NEWBRDGE___DRP 323616	31.72 1.75 -5.71	28.61 1.49 -4.56	24.66 1.41 -2.51	22.53 1.32 -1.24	22.36 1.29 -1.15	23.11 1.32 -0.92	23.08 1.31 0.00	23.09 1.45 0.00	24.92 1.74 0.00	30.08 1.80 -4.91	30.31 2.18 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.64 3.11 -4.40	45.41 3.46 -9.60	38.27 3.46 -1.58	41.07 3.82 -0.18	45.42 3.75 0.00	45.83 3.59 0.00	41.42 3.17 0.00	40.86 3.06 0.00	35.98 3.12 0.00	32.90 2.69 0.00	30.53 2.50 0.00
LOCKPORT_115KV_TB60_63_64 80432	24.18 -0.07 0.00	22.15 -0.41 0.00	20.09 -0.64 0.00	19.09 -0.88 0.00	18.90 -1.02 0.00	19.98 -0.90 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.42 0.08 0.00	29.31 0.17 0.00	31.13 0.00 0.00	32.35 0.00 0.00	33.47 0.23 0.00	37.37 0.30 0.00	42.00 0.33 0.00	42.40 0.17 0.00	38.17 -0.08 0.00	37.38 -0.42 0.00	32.33 -0.53 0.00	29.64 -0.57 0.00	27.95 -0.08 0.00
LOCKPORT___CC1 323769	24.23 -0.02 0.00	22.10 -0.45 0.00	20.07 -0.66 0.00	19.05 -0.92 0.00	18.96 -0.96 0.00	19.94 -0.94 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.34 0.00 0.00	29.22 0.09 0.00	31.10 -0.03 0.00	32.32 -0.03 0.00	33.50 0.26 0.00	37.60 0.52 0.00	42.25 0.58 0.00	42.57 0.34 0.00	38.17 -0.08 0.00	37.38 -0.41 0.00	32.66 -0.20 0.00	29.91 -0.30 0.00	28.23 0.20 0.00
LOCKPORT___CC2 323770	24.23 -0.02 0.00	22.10 -0.45 0.00	20.07 -0.66 0.00	19.05 -0.92 0.00	18.96 -0.96 0.00	19.94 -0.94 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.34 0.00 0.00	29.22 0.09 0.00	31.10 -0.03 0.00	32.32 -0.03 0.00	33.50 0.26 0.00	37.60 0.52 0.00	42.25 0.58 0.00	42.57 0.34 0.00	38.17 -0.08 0.00	37.38 -0.41 0.00	32.66 -0.20 0.00	29.91 -0.30 0.00	28.23 0.20 0.00
LOCKPORT___CC3 323771	24.23 -0.02 0.00	22.10 -0.45 0.00	20.07 -0.66 0.00	19.05 -0.92 0.00	18.96 -0.96 0.00	19.94 -0.94 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.34 0.00 0.00	29.22 0.09 0.00	31.10 -0.03 0.00	32.32 -0.03 0.00	33.50 0.26 0.00	37.60 0.52 0.00	42.25 0.58 0.00	42.57 0.34 0.00	38.17 -0.08 0.00	37.38 -0.41 0.00	32.66 -0.20 0.00	29.91 -0.30 0.00	28.23 0.20 0.00
LONG_LAKE_PHOENIX 24014	24.03 -0.22 0.00	22.26 -0.29 0.00	20.43 -0.31 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.50 -0.38 0.00	21.43 -0.35 0.00	21.23 -0.41 0.00	22.69 -0.49 0.00	22.98 -0.42 -0.02	25.72 -0.33 -0.43	26.66 -0.24 -0.56	30.03 -0.23 -1.13	32.13 -0.28 -1.28	33.43 -0.26 -1.34	34.15 -0.23 -1.14	38.49 -0.30 -1.71	43.95 -0.25 -2.54	44.42 -0.21 -2.39	39.45 -0.23 -1.43	38.85 -0.23 -1.28	33.68 -0.20 -1.02	31.46 -0.27 -1.52	28.59 -0.22 -0.78
LOVETT___3 23632	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.82 0.94 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.43 2.30 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.32 3.08 -0.16	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.52 2.72 0.00	35.36 2.50 0.00	32.45 2.24 0.00	30.03 1.99 0.00
LOVETT___4 23642	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.82 0.94 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.43 2.30 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.32 3.08 -0.16	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.52 2.72 0.00	35.36 2.50 0.00	32.45 2.24 0.00	30.03 1.99 0.00
LOVETT___5 23593	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.82 0.94 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.43 2.30 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.32 3.08 -0.16	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.52 2.72 0.00	35.36 2.50 0.00	32.45 2.24 0.00	30.03 1.99 0.00
LOWER RAQUET___HYD 24057	22.52 -1.67 0.06	21.52 -1.04 0.00	19.82 -0.91 0.00	19.13 -0.84 0.00	19.12 -0.80 0.00	20.13 -0.75 0.00	21.04 -0.74 0.00	20.91 -0.74 0.00	22.42 -0.76 0.00	22.18 -1.19 0.00	22.82 -1.59 1.22	24.58 -1.82 -0.05	27.20 -2.04 -0.10	29.16 -2.09 -0.12	30.15 -2.33 -0.12	30.78 -2.56 -0.11	34.45 -2.78 -0.16	38.78 -3.13 -0.23	39.46 -3.00 -0.22	35.89 -2.49 -0.13	35.65 -2.27 -0.12	30.69 -2.27 -0.09	28.42 -1.93 -0.14	26.23 -1.88 -0.07
LOWER___HUDSON 24059	25.15 0.90 0.00	23.43 0.88 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.97 0.79 0.00	24.10 0.73 0.00	26.39 0.77 0.00	27.29 0.95 0.00	30.12 0.99 0.00	32.16 1.03 0.00	33.58 1.23 0.00	34.53 1.29 0.00	38.19 1.33 0.22	43.29 1.62 0.00	43.93 1.69 0.00	39.81 1.57 0.00	39.35 1.55 0.00	34.24 1.38 0.00	31.42 1.21 0.00	29.16 1.12 0.00
LOWVILLE_115KV_TB2 356335	23.97 -0.27 0.02	22.31 -0.25 0.00	20.70 -0.04 0.00	19.93 -0.04 0.00	19.87 -0.04 0.00	20.84 -0.04 0.00	21.78 0.00 0.00	21.55 -0.09 0.00	22.99 -0.19 0.00	23.24 -0.14 -0.01	25.06 -0.31 0.26	26.22 -0.24 -0.12	29.11 -0.26 -0.24	31.22 -0.19 -0.27	32.44 -0.19 -0.28	33.28 -0.20 -0.24	37.29 -0.15 -0.36	42.17 -0.04 -0.54	42.96 0.21 -0.51	38.93 0.38 -0.31	38.52 0.45 -0.27	33.37 0.30 -0.22	30.75 0.21 -0.32	28.29 0.08 -0.17
LUTHERFT_115KV_GLOB_FND_222 355753	25.47 1.21 0.00	23.68 1.13 0.00	21.73 1.00 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.84 0.96 0.00	22.71 0.94 0.00	22.46 0.82 0.00	24.15 0.97 0.00	24.28 0.91 0.00	26.65 1.02 0.00	27.55 1.21 0.00	30.44 1.31 0.00	32.50 1.37 0.00	33.97 1.62 0.00	35.00 1.76 0.00	38.76 1.85 0.17	43.92 2.25 0.00	44.77 2.53 0.00	40.66 2.41 0.00	40.18 2.38 0.00	35.00 2.14 0.00	32.05 1.84 0.00	29.72 1.68 0.00



LUTHERNY_35_KV_BK2 355980	25.47 1.21 0.00	23.71 1.15 0.00	21.75 1.02 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.86 0.98 0.00	22.71 0.94 0.00	22.48 0.84 0.00	24.15 0.97 0.00	24.31 0.93 0.00	26.65 1.02 0.00	27.58 1.24 0.00	30.44 1.31 0.00	32.53 1.40 0.00	34.00 1.65 0.00	35.00 1.76 0.00	38.76 1.85 0.17	43.96 2.29 0.00	44.81 2.58 0.00	40.69 2.45 0.00	40.22 2.42 0.00	35.03 2.17 0.00	32.08 1.87 0.00	29.72 1.68 0.00
LWR___OSWEGATCHIE_HYD 23850	23.00 -1.21 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.15 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.63 -0.75 0.00	23.62 -1.23 0.77	25.13 -1.32 -0.10	27.85 -1.49 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.81 -1.86 -0.44	37.05 -1.45 -0.26	36.67 -1.36 -0.23	31.70 -1.35 -0.19	29.31 -1.18 -0.28	26.97 -1.21 -0.14
LYONS_FALL_HYD 23570	24.37 0.12 0.01	22.65 0.09 0.00	20.92 0.19 0.00	20.13 0.16 0.00	20.07 0.16 0.00	21.04 0.17 0.00	21.99 0.22 0.00	21.77 0.13 0.00	23.25 0.07 0.00	23.49 0.12 0.00	25.54 0.08 0.16	26.59 0.16 -0.09	29.51 0.21 -0.18	31.64 0.31 -0.20	32.85 0.29 -0.21	33.71 0.30 -0.18	37.79 0.45 -0.27	42.64 0.58 -0.39	43.37 0.76 -0.37	39.31 0.84 -0.22	38.94 0.95 -0.20	33.71 0.69 -0.16	31.02 0.57 -0.24	28.61 0.45 -0.12
MADISON___COUNTY_LFGE 323628	25.05 0.80 0.00	23.19 0.63 0.00	21.30 0.56 0.00	20.49 0.52 0.00	20.41 0.50 0.00	21.40 0.52 0.00	22.36 0.59 0.00	22.16 0.52 0.00	23.67 0.49 0.00	23.98 0.61 0.00	26.35 0.72 -0.01	27.30 0.87 -0.09	30.31 0.99 -0.18	32.49 1.15 -0.21	33.67 1.10 -0.22	34.59 1.16 -0.19	38.73 1.37 -0.28	43.71 1.63 -0.41	44.40 1.77 -0.39	40.16 1.68 -0.23	39.71 1.70 -0.21	34.47 1.45 -0.17	31.67 1.21 -0.25	29.23 1.07 -0.13
MALONE___115KV_TB1 356076	23.12 -1.12 0.02	21.86 -0.70 0.00	20.14 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.56 -0.31 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.11 -0.07 0.00	23.26 -0.12 0.00	24.62 -0.59 0.41	25.53 -0.82 0.00	28.14 -0.99 0.00	30.17 -0.97 0.00	31.19 -1.16 0.00	31.91 -1.33 0.00	35.67 -1.41 0.00	40.13 -1.54 0.00	40.93 -1.31 0.00	37.33 -0.92 0.00	36.85 -0.94 0.00	31.74 -1.12 0.00	29.34 -0.88 0.00	27.17 -0.87 0.00
MAPLEWOD_115KV_TB3 80458	25.18 0.92 0.00	23.50 0.95 0.00	21.61 0.87 0.00	20.83 0.86 0.00	20.75 0.84 0.00	21.71 0.84 0.00	22.56 0.78 0.00	22.40 0.76 0.00	24.04 0.86 0.00	24.00 0.63 0.00	26.34 0.72 0.00	27.24 0.90 0.00	30.06 0.93 0.00	32.13 1.00 0.00	33.55 1.20 0.00	34.50 1.26 0.00	38.24 1.33 0.17	43.21 1.54 0.00	43.84 1.60 0.00	39.74 1.49 0.00	39.27 1.47 0.00	34.21 1.35 0.00	31.36 1.15 0.00	29.10 1.07 0.00
MAPLE_RIDGE_WT_1 323574	23.65 -0.61 0.00	22.10 -0.45 0.00	20.36 -0.37 0.00	19.69 -0.28 0.00	19.70 -0.22 0.00	20.71 -0.17 0.00	21.65 -0.13 0.00	21.53 -0.11 0.00	23.09 -0.09 0.00	23.23 -0.14 0.00	25.45 -0.21 -0.03	26.11 -0.24 0.00	28.84 -0.29 0.00	30.79 -0.34 0.00	31.96 -0.39 0.00	32.80 -0.43 0.00	36.59 -0.48 0.00	41.17 -0.50 0.00	41.77 -0.46 0.00	37.86 -0.38 0.00	37.46 -0.34 0.00	32.50 -0.36 0.00	29.88 -0.33 0.00	27.73 -0.31 0.00
MAPLE_RIDGE_WT_2 323611	23.65 -0.61 0.00	22.10 -0.45 0.00	20.36 -0.37 0.00	19.69 -0.28 0.00	19.70 -0.22 0.00	20.71 -0.17 0.00	21.65 -0.13 0.00	21.53 -0.11 0.00	23.09 -0.09 0.00	23.23 -0.14 0.00	25.45 -0.21 -0.03	26.11 -0.24 0.00	28.84 -0.29 0.00	30.79 -0.34 0.00	31.96 -0.39 0.00	32.80 -0.43 0.00	36.59 -0.48 0.00	41.17 -0.50 0.00	41.77 -0.46 0.00	37.86 -0.38 0.00	37.46 -0.34 0.00	32.50 -0.36 0.00	29.88 -0.33 0.00	27.73 -0.31 0.00
MARBLE_RIVER_WT_PWR 323696	23.16 -1.09 0.00	21.83 -0.72 0.00	20.12 -0.62 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.13 -0.05 0.00	23.16 -0.21 0.00	25.16 -0.46 0.00	25.66 -0.69 0.00	28.32 -0.82 0.00	30.29 -0.84 0.00	31.31 -1.04 0.00	32.11 -1.13 0.00	35.82 -1.26 0.00	40.29 -1.37 0.00	41.14 -1.10 0.00	37.37 -0.88 0.00	37.08 -0.72 0.00	31.94 -0.92 0.00	29.46 -0.75 0.00	27.31 -0.73 0.00
MARSHVLE_115KV_TB1 80742	26.10 1.84 0.00	24.20 1.65 0.00	22.15 1.41 0.00	21.35 1.38 0.00	21.27 1.35 0.00	22.28 1.40 0.00	23.17 1.39 0.00	22.81 1.17 0.00	24.32 1.14 0.00	24.40 1.03 0.00	26.90 1.28 0.00	27.77 1.42 0.00	30.79 1.66 0.00	32.94 1.81 0.00	34.42 2.07 0.00	35.53 2.29 0.00	39.13 2.15 0.10	44.63 2.96 0.00	46.16 3.93 0.00	42.19 3.94 0.00	41.61 3.82 0.00	36.15 3.29 0.00	33.23 3.02 0.00	30.70 2.66 0.00
MARSH_HILL_WT_PWR 323713	24.69 0.44 0.00	22.65 0.09 0.00	20.65 -0.08 0.00	19.79 -0.18 0.00	19.70 -0.22 0.00	20.77 -0.10 0.00	22.06 0.28 0.00	21.88 0.24 0.00	23.41 0.23 0.00	23.84 0.47 0.00	26.63 0.95 -0.05	27.49 1.08 -0.06	30.51 1.25 -0.13	32.55 1.28 -0.14	33.83 1.33 -0.15	34.89 1.53 -0.13	39.12 1.85 -0.19	44.20 2.25 -0.29	44.78 2.28 -0.27	40.21 1.80 -0.16	39.41 1.47 -0.14	34.42 1.44 -0.11	31.59 1.21 -0.17	29.53 1.40 -0.09
MCINTYRE_115KV_TB2 80467	23.27 -0.92 0.07	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.69 -0.22 0.00	20.73 -0.15 0.00	21.67 -0.11 0.00	21.49 -0.15 0.00	22.97 -0.21 0.00	23.16 -0.21 0.00	23.23 -0.97 1.42	25.13 -1.21 0.00	27.73 -1.40 0.00	29.79 -1.34 0.00	30.80 -1.55 0.00	31.48 -1.76 0.00	35.22 -1.85 0.00	39.54 -2.13 0.00	40.33 -1.90 0.00	36.83 -1.42 0.00	36.44 -1.36 0.00	31.45 -1.41 0.00	29.12 -1.09 0.00	26.92 -1.12 0.00
MECO_____69_KV_BK1 80468	26.97 2.72 0.00	25.04 2.48 0.00	22.83 2.09 0.00	21.99 2.02 0.00	21.89 1.97 0.00	22.96 2.09 0.00	23.93 2.16 0.00	23.52 1.88 0.00	25.31 2.13 0.00	25.57 2.20 0.00	28.19 2.56 0.00	29.19 2.85 0.00	32.37 3.23 0.00	34.56 3.42 0.00	36.27 3.91 0.00	37.52 4.29 0.00	41.42 4.45 0.11	47.54 5.88 0.00	48.95 6.72 0.00	44.52 6.27 0.00	43.66 5.86 0.00	37.89 5.03 0.00	34.59 4.38 0.00	31.93 3.90 0.00
MENANDS___115KV_TB5 355628	25.06 0.80 0.00	23.43 0.88 0.00	21.55 0.81 0.00	20.77 0.80 0.00	20.71 0.80 0.00	21.65 0.77 0.00	22.50 0.72 0.00	22.33 0.69 0.00	23.97 0.79 0.00	23.89 0.51 0.00	26.21 0.59 0.00	27.11 0.76 0.00	29.89 0.76 0.00	31.94 0.81 0.00	33.35 1.00 0.00	34.30 1.06 0.00	37.98 1.08 0.17	42.92 1.25 0.00	43.50 1.27 0.00	39.39 1.15 0.00	38.97 1.17 0.00	33.94 1.08 0.00	31.12 0.91 0.00	28.88 0.84 0.00
MG INDUSTRY___DRP 24185	25.06 0.80 0.00	23.39 0.83 0.00	21.50 0.77 0.00	20.75 0.78 0.00	20.67 0.76 0.00	21.63 0.75 0.00	22.45 0.68 0.00	22.25 0.61 0.00	23.85 0.67 0.00	23.82 0.44 0.00	26.11 0.49 0.00	26.95 0.61 0.00	29.72 0.58 0.00	31.75 0.62 0.00	33.13 0.78 0.00	34.10 0.86 0.00	37.91 0.93 0.10	42.83 1.17 0.00	43.46 1.22 0.00	39.43 1.19 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.18 0.97 0.00	28.93 0.90 0.00



MID___OSWEGATCHIE_HYD 23849	23.00 -1.21 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.15 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.63 -0.75 0.00	23.62 -1.23 0.77	25.13 -1.32 -0.10	27.85 -1.49 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.81 -1.86 -0.44	37.05 -1.45 -0.26	36.67 -1.36 -0.23	31.70 -1.35 -0.19	29.31 -1.18 -0.28	26.97 -1.21 -0.14
MID___RAQUETTE_HYD 23851	22.57 -1.63 0.06	21.52 -1.04 0.00	19.82 -0.91 0.00	19.13 -0.84 0.00	19.12 -0.80 0.00	20.13 -0.75 0.00	21.04 -0.74 0.00	20.91 -0.74 0.00	22.41 -0.76 0.00	22.58 -0.79 0.00	22.87 -1.54 1.22	24.60 -1.79 -0.05	27.17 -2.07 -0.10	29.16 -2.09 -0.12	30.15 -2.33 -0.12	30.78 -2.56 -0.11	34.49 -2.74 -0.16	38.78 -3.13 -0.23	39.46 -3.00 -0.22	35.93 -2.45 -0.13	35.50 -2.42 -0.12	30.65 -2.30 -0.09	28.45 -1.90 -0.14	26.26 -1.85 -0.07
MILLIKEN___1 23584	24.89 0.63 0.00	22.98 0.43 0.00	21.05 0.31 0.00	20.23 0.26 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.15 0.37 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.80 0.42 -0.01	26.40 0.61 -0.16	27.27 0.74 -0.19	30.39 0.87 -0.38	32.43 0.87 -0.43	33.71 0.91 -0.45	34.62 1.00 -0.38	38.80 1.15 -0.58	44.02 1.50 -0.85	44.69 1.65 -0.80	40.22 1.49 -0.48	39.70 1.47 -0.43	34.49 1.28 -0.34	31.72 1.00 -0.51	29.28 0.98 -0.26
MILLIKEN___2 23585	24.89 0.63 0.00	22.98 0.43 0.00	21.05 0.31 0.00	20.23 0.26 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.15 0.37 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.80 0.42 -0.01	26.40 0.61 -0.16	27.27 0.74 -0.19	30.39 0.87 -0.38	32.43 0.87 -0.43	33.71 0.91 -0.45	34.62 1.00 -0.38	38.80 1.15 -0.58	44.02 1.50 -0.85	44.69 1.65 -0.80	40.22 1.49 -0.48	39.70 1.47 -0.43	34.49 1.28 -0.34	31.72 1.00 -0.51	29.28 0.98 -0.26
MILLIKEN___DIESEL 23629	24.89 0.63 0.00	22.98 0.43 0.00	21.05 0.31 0.00	20.23 0.26 0.00	20.15 0.24 0.00	21.15 0.27 0.00	22.15 0.37 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.80 0.42 -0.01	26.40 0.61 -0.16	27.27 0.74 -0.19	30.39 0.87 -0.38	32.43 0.87 -0.43	33.71 0.91 -0.45	34.62 1.00 -0.38	38.80 1.15 -0.58	44.02 1.50 -0.85	44.69 1.65 -0.80	40.22 1.49 -0.48	39.70 1.47 -0.43	34.49 1.28 -0.34	31.72 1.00 -0.51	29.28 0.98 -0.26
MILLSEAT___LFGE 323607	24.64 0.39 0.00	22.47 -0.09 0.00	20.40 -0.33 0.00	19.37 -0.60 0.00	19.28 -0.64 0.00	20.31 -0.56 0.00	21.69 -0.09 0.00	21.36 -0.28 0.00	22.79 -0.39 0.00	23.21 -0.16 0.00	26.01 0.38 0.00	26.82 0.47 0.00	29.75 0.61 0.00	31.66 0.53 0.00	32.90 0.55 0.00	34.07 0.83 0.00	38.30 1.22 0.00	43.08 1.42 0.00	43.46 1.23 0.00	38.97 0.72 0.00	38.25 0.46 0.00	33.38 0.52 0.00	30.48 0.27 0.00	28.74 0.70 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	25.66 1.41 0.00	23.71 1.15 0.00	21.84 1.10 0.00	21.01 1.04 0.00	20.93 1.02 0.00	21.90 1.02 0.00	22.80 1.02 0.00	22.85 1.21 0.00	24.57 1.39 0.00	24.82 1.45 0.00	27.44 1.82 0.00	28.48 2.13 0.00	31.55 2.42 0.00	33.75 2.62 0.00	35.30 2.94 0.00	36.16 2.92 0.00	40.48 3.23 -0.17	45.13 3.46 0.00	45.53 3.29 0.00	41.15 2.91 0.00	40.71 2.91 0.00	35.52 2.66 0.00	32.54 2.33 0.00	30.17 2.13 0.00
MILLWOOD_13_KV_LOAD 356217	25.73 1.48 0.00	23.77 1.22 0.00	21.90 1.16 0.00	21.05 1.08 0.00	20.99 1.08 0.00	21.96 1.09 0.00	22.87 1.09 0.00	22.94 1.30 0.00	24.69 1.51 0.00	24.96 1.59 0.00	27.60 1.97 0.00	28.64 2.29 0.00	31.73 2.59 0.00	33.93 2.80 0.00	35.49 3.14 0.00	36.39 3.16 0.00	40.74 3.49 -0.17	45.38 3.71 0.00	45.78 3.55 0.00	41.38 3.14 0.00	40.93 3.14 0.00	35.69 2.83 0.00	32.72 2.51 0.00	30.31 2.27 0.00
MODEL_CITY_ENERGY 24167	23.99 -0.27 0.00	21.86 -0.70 0.00	19.85 -0.89 0.00	18.83 -1.14 0.00	18.76 -1.16 0.00	19.71 -1.17 0.00	21.14 -0.63 0.00	20.73 -0.91 0.00	22.09 -1.09 0.00	22.51 -0.86 0.00	25.26 -0.36 0.00	26.00 -0.34 0.00	28.81 -0.32 0.00	30.70 -0.44 0.00	31.87 -0.48 0.00	33.07 -0.17 0.00	37.11 0.04 0.00	41.67 0.00 0.00	41.98 -0.25 0.00	37.67 -0.57 0.00	36.89 -0.91 0.00	32.24 -0.63 0.00	29.52 -0.69 0.00	27.87 -0.17 0.00
MODERN_LFGE___ 323580	23.99 -0.27 0.00	21.86 -0.70 0.00	19.85 -0.89 0.00	18.83 -1.14 0.00	18.76 -1.16 0.00	19.71 -1.17 0.00	21.14 -0.63 0.00	20.73 -0.91 0.00	22.09 -1.09 0.00	22.51 -0.86 0.00	25.26 -0.36 0.00	26.00 -0.34 0.00	28.81 -0.32 0.00	30.70 -0.44 0.00	31.87 -0.48 0.00	33.07 -0.17 0.00	37.11 0.04 0.00	41.67 0.00 0.00	41.98 -0.25 0.00	37.67 -0.57 0.00	36.89 -0.91 0.00	32.24 -0.63 0.00	29.52 -0.69 0.00	27.87 -0.17 0.00
MOHAWK_PAPER___DRP 24187	25.18 0.92 0.00	23.50 0.95 0.00	21.61 0.87 0.00	20.83 0.86 0.00	20.75 0.84 0.00	21.71 0.84 0.00	22.56 0.78 0.00	22.40 0.76 0.00	24.04 0.86 0.00	24.00 0.63 0.00	26.34 0.72 0.00	27.24 0.90 0.00	30.06 0.93 0.00	32.13 1.00 0.00	33.55 1.20 0.00	34.50 1.26 0.00	38.24 1.33 0.17	43.21 1.54 0.00	43.84 1.60 0.00	39.74 1.49 0.00	39.27 1.47 0.00	34.21 1.35 0.00	31.36 1.15 0.00	29.10 1.07 0.00
MOHICAN___35_KV_115KV_LD 80490	25.56 1.31 0.00	23.77 1.22 0.00	21.77 1.04 0.00	20.99 1.02 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.76 0.98 0.00	22.46 0.82 0.00	24.20 1.02 0.00	24.38 1.00 0.00	26.57 0.95 0.00	27.53 1.19 0.00	30.33 1.19 0.00	32.38 1.25 0.00	33.90 1.55 0.00	34.93 1.70 0.00	38.68 1.78 0.17	44.00 2.33 0.00	45.06 2.83 0.00	41.00 2.75 0.00	40.63 2.83 0.00	35.39 2.53 0.00	32.36 2.15 0.00	29.92 1.88 0.00
MONGAUP___HYD 23641	25.66 1.41 0.00	23.66 1.10 0.00	21.75 1.02 0.00	20.91 0.94 0.00	20.85 0.94 0.00	21.82 0.94 0.00	22.65 0.87 0.00	22.53 0.89 0.00	24.13 0.95 0.00	24.42 1.05 0.00	26.85 1.23 0.00	27.82 1.47 0.00	30.88 1.75 0.00	33.06 1.93 0.00	34.55 2.20 0.00	35.50 2.26 0.00	39.77 2.56 -0.14	44.42 2.75 0.00	44.94 2.71 0.00	40.70 2.45 0.00	40.33 2.53 0.00	35.06 2.20 0.00	32.24 2.02 0.00	29.80 1.77 0.00
MONTAUK___DIESEL 23721	32.76 2.79 -5.71	29.47 2.35 -4.56	25.41 2.16 -2.51	23.21 2.00 -1.24	22.98 1.91 -1.15	23.71 1.92 -0.92	23.61 1.83 0.00	23.55 1.90 0.00	25.52 2.34 0.00	30.81 2.52 -4.91	31.49 3.36 -2.51	36.55 3.98 -6.23	38.50 4.46 -4.91	40.39 4.86 -4.41	47.24 5.27 -9.61	40.08 5.25 -1.59	43.05 5.78 -0.19	47.42 5.75 0.00	47.98 5.74 0.00	43.42 5.16 -0.01	42.41 4.61 0.00	37.59 4.73 0.00	34.05 3.84 0.00	31.68 3.64 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	24.72 0.46 0.00	22.69 0.14 0.00	20.63 -0.10 0.00	19.79 -0.18 0.00	19.65 -0.26 0.00	20.75 -0.13 0.00	22.19 0.41 0.00	21.99 0.35 0.00	23.50 0.32 0.00	23.93 0.56 0.00	26.93 1.31 0.00	27.77 1.42 0.00	30.82 1.69 0.00	32.81 1.68 0.00	34.10 1.75 0.00	35.16 1.93 0.00	39.19 2.11 0.00	44.00 2.33 0.00	44.43 2.20 0.00	40.08 1.84 0.00	39.12 1.32 0.00	34.04 1.18 0.00	31.18 0.97 0.00	29.35 1.32 0.00



MORTIMER_115KV_TB3 55949	24.42 0.17 0.00	22.46 -0.09 0.00	20.47 -0.27 0.00	19.53 -0.44 0.00	19.44 -0.48 0.00	20.44 -0.44 0.00	21.65 -0.13 0.00	21.45 -0.19 0.00	22.90 -0.28 0.00	23.28 -0.09 0.00	25.91 0.28 0.00	26.76 0.42 0.00	29.69 0.55 0.00	31.57 0.44 0.00	32.80 0.45 0.00	33.87 0.63 0.00	37.89 0.82 0.00	42.67 1.00 0.00	43.08 0.84 0.00	38.86 0.61 0.00	38.25 0.45 0.00	33.06 0.20 0.00	30.27 0.06 0.00	28.26 0.22 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	25.86 1.60 0.00	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.78 1.60 0.00	25.05 1.68 0.00	27.72 2.10 0.00	28.79 2.45 0.00	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.56 3.32 0.00	40.92 3.67 -0.18	45.63 3.96 0.00	45.95 3.72 0.00	41.50 3.25 0.00	41.12 3.33 0.00	35.88 3.02 0.00	32.90 2.69 0.00	30.48 2.44 0.00
MUNSVILLE_WIND_PWR 323609	25.95 1.70 0.00	23.89 1.33 0.00	21.90 1.16 0.00	21.11 1.14 0.00	21.07 1.15 0.00	22.11 1.23 0.00	23.28 1.50 0.00	23.03 1.39 0.00	24.52 1.34 0.00	25.06 1.68 0.00	27.56 1.85 -0.09	28.53 2.08 -0.11	31.71 2.36 -0.22	34.06 2.68 -0.25	35.17 2.56 -0.26	36.25 2.79 -0.22	40.64 3.22 -0.34	46.08 3.92 -0.50	47.01 4.31 -0.47	42.58 4.05 -0.28	42.13 4.08 -0.25	36.51 3.45 -0.20	33.59 3.08 -0.30	30.97 2.78 -0.15
N SALMON___HYD 24042	23.07 -1.16 0.02	21.86 -0.70 0.00	20.13 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.56 -0.31 0.00	21.56 -0.22 0.00	21.51 -0.13 0.00	23.11 -0.07 0.00	23.07 -0.30 0.00	24.60 -0.62 0.41	25.53 -0.82 0.00	28.14 -0.99 0.00	30.17 -0.97 0.00	31.19 -1.16 0.00	31.91 -1.33 0.00	35.67 -1.41 0.00	40.13 -1.54 0.00	40.93 -1.31 0.00	37.25 -0.99 0.00	37.04 -0.76 0.00	31.81 -1.05 0.00	29.33 -0.88 0.00	27.14 -0.90 0.00
N.AKRON__115KV_KNAPP 355671	24.57 0.32 0.00	22.51 -0.05 0.00	20.43 -0.31 0.00	19.41 -0.56 0.00	19.24 -0.68 0.00	20.33 -0.54 0.00	21.71 -0.07 0.00	21.38 -0.26 0.00	22.81 -0.37 0.00	23.21 -0.16 0.00	26.03 0.41 0.00	26.90 0.55 0.00	29.83 0.70 0.00	31.66 0.53 0.00	32.93 0.58 0.00	34.07 0.83 0.00	38.08 1.00 0.00	42.83 1.17 0.00	43.29 1.06 0.00	38.97 0.73 0.00	38.21 0.42 0.00	33.02 0.16 0.00	30.24 0.03 0.00	28.43 0.39 0.00
N.BELMOR_69_KV_BK1 55787	31.98 2.01 -5.71	28.83 1.71 -4.56	24.85 1.60 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.30 1.50 -0.92	23.28 1.50 0.00	23.26 1.62 0.00	25.13 1.95 0.00	30.29 2.01 -4.91	30.62 2.49 -2.51	35.44 2.87 -6.23	37.31 3.26 -4.91	39.01 3.49 -4.40	45.84 3.88 -9.60	38.67 3.86 -1.58	41.52 4.26 -0.18	45.88 4.21 0.00	46.29 4.05 0.00	41.84 3.60 0.00	41.24 3.44 0.00	36.41 3.55 0.00	33.29 3.08 0.00	30.87 2.83 0.00
N.E_GEN_SANDY PD 24062	25.25 0.99 0.00	23.46 0.90 0.00	21.59 0.85 0.00	20.81 0.84 0.00	20.75 0.84 0.00	21.69 0.81 0.00	22.56 0.78 0.00	22.46 0.82 0.00	24.06 0.88 0.00	24.26 0.89 0.00	26.85 1.00 -0.23	27.33 1.21 0.23	30.44 1.31 0.00	32.50 1.37 0.00	33.94 1.58 0.00	34.86 1.63 0.00	37.46 1.67 1.29	43.54 1.88 0.00	44.05 1.81 0.00	42.19 1.64 -2.30	37.12 1.62 2.30	34.30 1.44 0.00	31.51 1.30 0.00	29.30 1.26 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	25.64 1.38 0.00	23.68 1.13 0.00	21.79 1.06 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.86 0.98 0.00	22.73 0.96 0.00	22.79 1.15 0.00	24.50 1.32 0.00	24.75 1.38 0.00	27.34 1.72 0.00	28.37 2.03 0.00	31.46 2.33 0.00	33.65 2.52 0.00	35.20 2.85 0.00	36.10 2.86 0.00	40.39 3.15 -0.16	45.08 3.42 0.00	45.49 3.25 0.00	41.08 2.83 0.00	40.59 2.80 0.00	35.42 2.56 0.00	32.51 2.30 0.00	30.08 2.05 0.00
N.QUEENS_27_KV_LOAD 356247	26.13 1.87 -0.01	24.13 1.58 0.00	22.26 1.51 -0.01	21.38 1.40 -0.01	21.31 1.39 0.00	22.13 1.25 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.78 2.15 0.00	28.92 2.58 0.00	32.07 2.94 0.00	34.31 3.18 0.00	35.85 3.49 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.75 4.08 0.00	46.04 3.80 0.00	41.57 3.33 0.00	41.20 3.40 0.00	36.11 3.25 0.00	33.21 2.99 -0.01	30.85 2.80 -0.01
N.TROY___115KV_TB1 355778	25.15 0.90 0.00	23.43 0.88 0.00	21.55 0.81 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.97 0.79 0.00	24.03 0.65 0.00	26.37 0.74 0.00	27.27 0.92 0.00	30.09 0.96 0.00	32.16 1.03 0.00	33.55 1.20 0.00	34.53 1.30 0.00	38.19 1.33 0.22	43.25 1.58 0.00	43.88 1.65 0.00	39.78 1.53 0.00	39.35 1.55 0.00	34.31 1.45 0.00	31.42 1.21 0.00	29.19 1.15 0.00
NARROWS_GT1_1 24228	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_2 24229	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_3 24230	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_4 24231	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_5 24232	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01



NARROWS_GT1_6 24233	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_7 24234	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT1_8 24235	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_1 24236	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_2 24237	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_3 24238	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_4 24239	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_5 24240	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_6 24241	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_7 24242	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NARROWS_GT2_8 24243	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.64 3.93 -24.48	69.66 3.44 -27.97	98.19 3.48 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	25.59 1.33 0.00	23.93 1.38 0.00	21.98 1.24 0.00	21.19 1.22 0.00	21.11 1.19 0.00	22.11 1.23 0.00	22.91 1.13 0.00	22.55 0.91 0.00	24.13 0.95 0.00	23.96 0.58 0.00	26.21 0.59 0.00	27.05 0.71 0.00	29.92 0.79 0.00	32.00 0.87 0.00	33.45 1.10 0.00	34.47 1.23 0.00	38.42 1.41 0.06	43.58 1.92 0.00	44.35 2.11 0.00	40.27 2.03 0.00	39.84 2.04 0.00	34.63 1.77 0.00	31.75 1.54 0.00	29.41 1.37 0.00
NCHELSEA_115KV_TR2 355582	25.78 1.53 0.00	23.82 1.26 0.00	21.92 1.18 0.00	21.09 1.12 0.00	21.01 1.10 0.00	22.00 1.13 0.00	22.84 1.07 0.00	22.79 1.15 0.00	24.45 1.27 0.00	24.70 1.33 0.00	27.26 1.64 0.00	28.27 1.92 0.00	31.40 2.27 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.10 2.86 0.00	40.40 3.19 -0.14	45.13 3.46 0.00	45.57 3.34 0.00	41.19 2.94 0.00	40.74 2.95 0.00	35.52 2.66 0.00	32.60 2.39 0.00	30.17 2.13 0.00
NEG CAPITAL___MECHNVIL 23645	25.52 1.26 0.00	23.73 1.17 0.00	21.77 1.04 0.00	20.97 1.00 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.76 0.98 0.00	22.53 0.89 0.00	24.20 1.02 0.00	24.40 1.03 0.00	26.72 1.10 0.00	27.66 1.32 0.00	30.53 1.40 0.00	32.60 1.46 0.00	34.10 1.75 0.00	35.13 1.89 0.00	38.89 2.00 0.19	44.12 2.46 0.00	44.90 2.66 0.00	40.73 2.48 0.00	40.29 2.49 0.00	35.03 2.17 0.00	32.09 1.87 0.00	29.75 1.71 0.00
NEG CENTRAL_HIGH_ACRES 23767	24.04 -0.22 0.00	22.10 -0.45 0.00	20.18 -0.56 0.00	19.27 -0.70 0.00	19.18 -0.74 0.00	20.19 -0.69 0.00	21.30 -0.48 0.00	21.12 -0.52 0.00	22.58 -0.60 0.00	22.95 -0.42 0.00	25.50 -0.13 0.00	26.29 -0.05 0.00	29.16 0.03 0.00	31.04 -0.09 0.00	32.25 -0.10 0.00	33.34 0.10 0.00	37.37 0.30 0.00	42.04 0.37 0.00	42.49 0.25 0.00	38.25 0.00 0.00	37.72 -0.08 0.00	32.86 0.00 0.00	30.00 -0.21 0.00	28.04 0.00 0.00



NEG CENTRAL___DRP 24199	24.57 0.32 0.00	22.67 0.11 0.00	20.74 0.00 0.00	19.89 -0.08 0.00	19.79 -0.12 0.00	20.81 -0.06 0.00	21.86 0.09 0.00	21.71 0.06 0.00	23.20 0.02 0.00	23.54 0.16 -0.01	26.20 0.44 -0.14	27.11 0.58 -0.19	30.16 0.64 -0.39	32.16 0.59 -0.44	33.43 0.61 -0.46	34.36 0.73 -0.39	38.52 0.85 -0.59	43.67 1.13 -0.88	44.24 1.18 -0.83	39.73 0.99 -0.49	39.15 0.91 -0.44	33.97 0.76 -0.35	31.25 0.51 -0.52	28.89 0.59 -0.27
NEG CENTRAL___INDECK 23768	25.30 1.04 0.00	23.16 0.61 0.00	21.09 0.35 0.00	20.13 0.16 0.00	20.03 0.12 0.00	21.15 0.27 0.00	22.34 0.57 0.00	22.05 0.41 0.00	23.41 0.23 0.00	23.77 0.40 0.00	26.47 0.84 0.00	27.24 0.90 0.00	30.21 1.08 0.00	32.13 1.00 0.00	33.42 1.07 0.00	34.80 1.56 0.00	39.08 2.00 0.00	44.17 2.50 0.00	44.77 2.53 0.00	40.54 2.29 0.00	40.06 2.27 0.00	34.97 2.10 0.00	31.84 1.63 0.00	29.80 1.77 0.00
NEG CENTRAL___SENECA 23627	24.69 0.44 0.00	22.74 0.18 0.00	20.76 0.02 0.00	19.89 -0.08 0.00	19.81 -0.10 0.00	20.84 -0.04 0.00	21.95 0.17 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.68 0.30 0.00	26.35 0.64 -0.09	27.26 0.82 -0.10	30.21 0.87 -0.20	32.17 0.81 -0.23	33.44 0.84 -0.24	34.41 0.96 -0.21	38.57 1.19 -0.31	43.67 1.54 -0.46	44.27 1.60 -0.43	39.81 1.30 -0.26	39.20 1.17 -0.23	34.00 0.95 -0.19	31.15 0.66 -0.28	28.99 0.81 -0.14
NEG CENTRAL___STATE_STREET 24147	24.54 0.29 0.00	22.69 0.14 0.00	20.78 0.04 0.00	19.97 0.00 0.00	19.89 -0.02 0.00	20.90 0.02 0.00	21.89 0.11 0.00	21.73 0.09 0.00	23.25 0.07 0.00	23.57 0.19 -0.01	26.23 0.41 -0.19	27.13 0.53 -0.26	30.29 0.64 -0.52	32.31 0.59 -0.59	33.58 0.61 -0.62	34.46 0.70 -0.53	38.68 0.82 -0.79	43.88 1.04 -1.17	44.43 1.10 -1.10	39.82 0.92 -0.66	39.29 0.91 -0.59	34.12 0.79 -0.47	31.45 0.54 -0.70	28.93 0.53 -0.36
NEG MILLWOOD___DRP 24198	25.86 1.60 0.00	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.00 1.36 0.00	24.78 1.60 0.00	25.05 1.68 0.00	27.70 2.08 0.00	28.71 2.37 0.00	31.84 2.71 0.00	34.09 2.96 0.00	35.68 3.33 0.00	36.59 3.36 0.00	40.94 3.71 -0.15	45.67 4.00 0.00	46.16 3.93 0.00	41.69 3.44 0.00	41.31 3.52 0.00	35.92 3.06 0.00	32.90 2.69 0.00	30.48 2.44 0.00
NEG NORTH_FLCN_SEA 23793	23.43 -0.82 0.00	22.06 -0.50 0.00	20.32 -0.41 0.00	19.63 -0.34 0.00	19.64 -0.28 0.00	20.75 -0.13 0.00	21.80 0.02 0.00	21.77 0.13 0.00	23.41 0.23 0.00	23.56 0.19 0.00	25.47 -0.15 0.00	25.95 -0.40 0.00	28.61 -0.52 0.00	30.63 -0.50 0.00	31.67 -0.68 0.00	32.44 -0.80 0.00	36.22 -0.85 0.00	40.75 -0.92 0.00	41.64 -0.59 0.00	37.90 -0.34 0.00	37.46 -0.34 0.00	32.27 -0.59 0.00	29.82 -0.39 0.00	27.64 -0.39 0.00
NEG NORTH_KES_CHATEGAY 23792	23.21 -1.04 0.01	21.86 -0.70 0.00	20.14 -0.60 0.00	19.45 -0.52 0.00	19.46 -0.46 0.00	20.54 -0.33 0.00	21.56 -0.22 0.00	21.49 -0.15 0.00	23.11 -0.07 0.00	23.26 -0.12 0.00	25.01 -0.49 0.12	25.61 -0.74 0.00	28.23 -0.90 0.00	30.20 -0.93 0.00	31.22 -1.13 0.00	32.01 -1.23 0.00	35.78 -1.30 0.00	40.25 -1.42 0.00	41.09 -1.14 0.00	37.40 -0.84 0.00	36.93 -0.87 0.00	31.87 -0.99 0.00	29.46 -0.76 0.00	27.31 -0.73 0.00
NEG NORTH___ALICE_FALLS 23915	23.38 -0.87 0.00	22.04 -0.52 0.00	20.28 -0.46 0.00	19.59 -0.38 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.54 0.16 0.00	25.36 -0.23 0.03	25.92 -0.42 0.00	28.58 -0.55 0.00	30.57 -0.56 0.00	31.61 -0.74 0.00	32.37 -0.86 0.00	36.19 -0.89 0.00	40.75 -0.92 0.00	41.60 -0.63 0.00	37.94 -0.31 0.00	37.46 -0.34 0.00	32.24 -0.62 0.00	29.79 -0.42 0.00	27.59 -0.45 0.00
NEG NORTH___LWR_SARANAC 23913	23.38 -0.87 0.00	22.04 -0.52 0.00	20.28 -0.46 0.00	19.59 -0.38 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.54 0.16 0.00	25.36 -0.23 0.03	25.92 -0.42 0.00	28.58 -0.55 0.00	30.57 -0.56 0.00	31.61 -0.74 0.00	32.37 -0.86 0.00	36.19 -0.89 0.00	40.75 -0.92 0.00	41.60 -0.63 0.00	37.94 -0.31 0.00	37.46 -0.34 0.00	32.24 -0.62 0.00	29.79 -0.42 0.00	27.59 -0.45 0.00
NEG NORTH___PLATTSBURG 23628	23.36 -0.90 0.00	22.04 -0.52 0.00	20.28 -0.46 0.00	19.59 -0.38 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.40 0.02 0.00	25.33 -0.26 0.03	25.92 -0.42 0.00	28.58 -0.55 0.00	30.57 -0.56 0.00	31.61 -0.74 0.00	32.37 -0.86 0.00	36.19 -0.89 0.00	40.75 -0.92 0.00	41.60 -0.63 0.00	37.86 -0.38 0.00	37.65 -0.15 0.00	32.30 -0.56 0.00	29.79 -0.42 0.00	27.59 -0.45 0.00
NEG WEST_LEA_LOCKPORT 23791	24.16 -0.10 0.00	22.15 -0.41 0.00	20.09 -0.64 0.00	19.09 -0.88 0.00	18.92 -1.00 0.00	19.96 -0.92 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.57 -0.05 0.00	26.42 0.08 0.00	29.28 0.15 0.00	31.10 -0.03 0.00	32.35 0.00 0.00	33.47 0.23 0.00	37.37 0.30 0.00	42.00 0.33 0.00	42.40 0.17 0.00	38.13 -0.11 0.00	37.34 -0.45 0.00	32.33 -0.53 0.00	29.64 -0.57 0.00	27.95 -0.08 0.00
NEG WEST___LANCASTR 23811	24.28 0.02 0.00	22.24 -0.32 0.00	20.20 -0.54 0.00	19.23 -0.74 0.00	19.08 -0.84 0.00	20.10 -0.77 0.00	21.45 -0.33 0.00	21.10 -0.54 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.75 0.13 0.00	26.61 0.26 0.00	29.54 0.41 0.00	31.51 0.37 0.00	32.74 0.39 0.00	33.83 0.60 0.00	37.71 0.63 0.00	42.42 0.75 0.00	42.87 0.63 0.00	38.59 0.34 0.00	37.61 -0.19 0.00	32.63 -0.23 0.00	29.91 -0.30 0.00	28.29 0.25 0.00
NEG_PENN_ALLEGHNY 23528	24.69 0.44 0.00	22.76 0.20 0.00	20.84 0.10 0.00	20.01 0.04 0.00	19.93 0.02 0.00	20.92 0.04 0.00	21.93 0.15 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.66 0.28 0.00	26.23 0.51 -0.10	27.09 0.63 -0.11	30.09 0.73 -0.23	32.17 0.78 -0.26	33.46 0.84 -0.27	34.40 0.93 -0.23	38.50 1.08 -0.35	43.47 1.29 -0.51	43.98 1.27 -0.48	39.60 1.07 -0.29	38.96 0.91 -0.26	33.92 0.85 -0.21	31.24 0.72 -0.31	28.92 0.73 -0.16
NEG___GEN_MONROE 24207	24.67 0.41 0.00	22.71 0.16 0.00	20.65 -0.08 0.00	19.67 -0.30 0.00	19.56 -0.36 0.00	20.58 -0.29 0.00	21.82 0.04 0.00	21.55 -0.09 0.00	22.99 -0.19 0.00	23.37 0.00 0.00	26.06 0.44 0.00	26.90 0.55 0.00	29.77 0.64 0.00	31.66 0.53 0.00	32.93 0.58 0.00	34.00 0.76 0.00	37.97 0.89 0.00	42.75 1.08 0.00	43.33 1.10 0.00	39.05 0.80 0.00	38.44 0.64 0.00	33.29 0.43 0.00	30.45 0.24 0.00	28.54 0.50 0.00
NEPA___ENERGY 23901	24.55 0.29 0.00	22.51 -0.05 0.00	20.45 -0.29 0.00	19.49 -0.48 0.00	19.36 -0.56 0.00	20.38 -0.50 0.00	21.75 -0.02 0.00	21.53 -0.11 0.00	22.99 -0.19 0.00	23.42 0.05 0.00	26.24 0.61 0.00	27.08 0.74 0.00	30.06 0.93 0.00	32.03 0.90 0.00	33.29 0.94 0.00	34.40 1.16 0.00	38.34 1.26 0.00	43.17 1.50 0.00	43.63 1.39 0.00	39.28 1.03 0.00	38.29 0.49 0.00	33.29 0.43 0.00	30.51 0.30 0.00	28.65 0.62 0.00



NEVERSINK___HYD 23608	25.27 1.02 0.00	23.23 0.68 0.00	21.38 0.64 0.00	20.57 0.60 0.00	20.51 0.60 0.00	21.46 0.58 0.00	22.28 0.50 0.00	22.20 0.56 0.00	23.81 0.63 0.00	24.14 0.77 0.00	26.54 0.92 0.00	27.53 1.19 0.00	30.59 1.46 0.00	31.82 0.68 0.00	33.23 0.87 0.00	34.10 0.86 0.00	38.17 1.00 -0.10	42.67 1.00 0.00	43.16 0.93 0.00	39.05 0.80 0.00	38.63 0.83 0.00	34.57 1.71 0.00	31.81 1.60 0.00	29.41 1.37 0.00
NEWKRMKL_115KV_TB1 55635	25.01 0.75 0.00	23.41 0.86 0.00	21.55 0.81 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.50 0.72 0.00	22.31 0.67 0.00	23.97 0.79 0.00	23.82 0.44 0.00	26.14 0.51 0.00	27.03 0.68 0.00	29.77 0.64 0.00	31.82 0.68 0.00	33.22 0.87 0.00	34.17 0.93 0.00	37.89 0.96 0.15	42.79 1.13 0.00	43.38 1.14 0.00	39.32 1.07 0.00	38.85 1.06 0.00	33.85 0.99 0.00	31.03 0.82 0.00	28.79 0.76 0.00
NEWTON___FALLS_HYD 23847	23.00 -1.21 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.15 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.63 -0.75 0.00	23.62 -1.23 0.77	25.13 -1.32 -0.10	27.85 -1.49 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.81 -1.86 -0.44	37.05 -1.45 -0.26	36.67 -1.36 -0.23	31.70 -1.35 -0.19	29.31 -1.18 -0.28	26.97 -1.21 -0.14
NGRID_A1_DSASP 323792	23.70 -0.56 0.00	21.74 -0.81 0.00	19.76 -0.97 0.00	18.75 -1.22 0.00	18.50 -1.41 0.00	19.60 -1.27 0.00	20.90 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.71 -0.63 0.00	28.49 -0.64 0.00	30.32 -0.81 0.00	31.48 -0.87 0.00	32.67 -0.57 0.00	36.67 -0.41 0.00	41.17 -0.50 0.00	41.48 -0.76 0.00	37.21 -1.03 0.00	36.47 -1.32 0.00	31.84 -1.02 0.00	29.18 -1.03 0.00	27.56 -0.48 0.00
NGRID_A2_DSASP 323793	23.70 -0.56 0.00	21.74 -0.81 0.00	19.76 -0.97 0.00	18.75 -1.22 0.00	18.50 -1.41 0.00	19.60 -1.27 0.00	20.90 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.71 -0.63 0.00	28.49 -0.64 0.00	30.32 -0.81 0.00	31.48 -0.87 0.00	32.67 -0.57 0.00	36.67 -0.41 0.00	41.17 -0.50 0.00	41.48 -0.76 0.00	37.21 -1.03 0.00	36.47 -1.32 0.00	31.84 -1.02 0.00	29.18 -1.03 0.00	27.56 -0.48 0.00
NGRID_A4_DSASP 323807	23.70 -0.56 0.00	21.74 -0.81 0.00	19.76 -0.97 0.00	18.75 -1.22 0.00	18.50 -1.41 0.00	19.60 -1.27 0.00	20.90 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.71 -0.63 0.00	28.49 -0.64 0.00	30.32 -0.81 0.00	31.48 -0.87 0.00	32.67 -0.57 0.00	36.67 -0.41 0.00	41.17 -0.50 0.00	41.48 -0.76 0.00	37.21 -1.03 0.00	36.47 -1.32 0.00	31.84 -1.02 0.00	29.18 -1.03 0.00	27.56 -0.48 0.00
NIAGARA_115E_LBMP 323715	23.84 -0.41 0.00	21.72 -0.83 0.00	19.72 -1.02 0.00	18.71 -1.26 0.00	18.64 -1.27 0.00	19.56 -1.31 0.00	21.01 -0.76 0.00	20.60 -1.04 0.00	21.93 -1.25 0.00	22.34 -1.03 0.00	25.06 -0.56 0.00	25.79 -0.55 0.00	28.61 -0.52 0.00	30.45 -0.69 0.00	31.64 -0.71 0.00	32.80 -0.43 0.00	36.82 -0.26 0.00	41.38 -0.29 0.00	41.64 -0.59 0.00	37.37 -0.88 0.00	36.62 -1.17 0.00	31.97 -0.89 0.00	29.31 -0.91 0.00	27.67 -0.37 0.00
NIAGARA_115W_LBMP 323714	23.62 -0.63 0.00	21.68 -0.88 0.00	19.72 -1.02 0.00	18.69 -1.28 0.00	18.46 -1.45 0.00	19.56 -1.31 0.00	20.86 -0.91 0.00	20.49 -1.15 0.00	21.81 -1.37 0.00	22.20 -1.17 0.00	24.91 -0.72 0.00	25.63 -0.71 0.00	28.41 -0.73 0.00	30.23 -0.90 0.00	31.38 -0.97 0.00	32.57 -0.66 0.00	36.56 -0.52 0.00	41.04 -0.62 0.00	41.35 -0.89 0.00	37.10 -1.15 0.00	36.36 -1.44 0.00	31.74 -1.12 0.00	29.09 -1.12 0.00	27.48 -0.56 0.00
NIAGARA_230_LBMP 323716	23.97 -0.29 0.00	21.92 -0.63 0.00	19.91 -0.83 0.00	18.89 -1.08 0.00	18.74 -1.17 0.00	19.75 -1.13 0.00	21.14 -0.63 0.00	20.80 -0.84 0.00	22.14 -1.04 0.00	22.53 -0.84 0.00	25.26 -0.36 0.00	26.00 -0.34 0.00	28.78 -0.35 0.00	30.63 -0.50 0.00	31.83 -0.52 0.00	33.01 -0.23 0.00	37.04 -0.04 0.00	41.63 -0.04 0.00	41.94 -0.29 0.00	37.63 -0.61 0.00	36.89 -0.91 0.00	32.20 -0.66 0.00	29.52 -0.69 0.00	27.87 -0.17 0.00
NIAGARA___115KV_198_GIBSON 55903	23.55 -0.70 0.00	21.61 -0.95 0.00	19.58 -1.16 0.00	18.61 -1.36 0.00	18.56 -1.35 0.00	19.44 -1.44 0.00	20.86 -0.91 0.00	20.49 -1.15 0.00	21.81 -1.37 0.00	22.20 -1.17 0.00	24.91 -0.72 0.00	25.71 -0.63 0.00	28.46 -0.67 0.00	30.23 -0.90 0.00	31.41 -0.94 0.00	32.51 -0.73 0.00	36.30 -0.78 0.00	40.79 -0.88 0.00	41.18 -1.06 0.00	37.06 -1.19 0.00	36.32 -1.47 0.00	31.45 -1.41 0.00	28.85 -1.36 0.00	27.25 -0.79 0.00
NIAGARA____ 23760	23.97 -0.29 0.00	21.92 -0.63 0.00	19.91 -0.83 0.00	18.89 -1.08 0.00	18.74 -1.17 0.00	19.75 -1.13 0.00	21.14 -0.63 0.00	20.80 -0.84 0.00	22.14 -1.04 0.00	22.53 -0.84 0.00	25.26 -0.36 0.00	26.00 -0.34 0.00	28.78 -0.35 0.00	30.63 -0.50 0.00	31.83 -0.52 0.00	33.01 -0.23 0.00	37.04 -0.04 0.00	41.63 -0.04 0.00	41.94 -0.29 0.00	37.63 -0.61 0.00	36.89 -0.91 0.00	32.20 -0.66 0.00	29.52 -0.69 0.00	27.87 -0.17 0.00
NINE_MILE_1 23575	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.41 -0.56 0.00	19.34 -0.58 0.00	20.29 -0.58 0.00	21.19 -0.59 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.62 -0.68 0.08	23.48 -0.67 1.47	23.98 -0.63 1.73	24.96 -0.67 3.51	26.45 -0.71 3.97	27.45 -0.74 4.16	28.96 -0.73 3.55	30.94 -0.82 5.33	32.90 -0.88 7.89	33.91 -0.89 7.44	32.95 -0.84 4.46	32.95 -0.87 3.98	28.96 -0.72 3.18	24.77 -0.73 4.72	24.97 -0.64 2.42
NINE_MILE_2 23744	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.41 -0.56 0.00	19.34 -0.58 0.00	20.29 -0.58 0.00	21.19 -0.59 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.62 -0.68 0.08	23.46 -0.67 1.50	23.95 -0.63 1.76	24.90 -0.67 3.56	26.39 -0.71 4.02	27.39 -0.74 4.22	28.90 -0.73 3.60	30.86 -0.82 5.41	32.79 -0.88 8.00	33.80 -0.89 7.55	32.88 -0.84 4.53	32.89 -0.87 4.04	28.91 -0.72 3.22	24.70 -0.73 4.79	24.93 -0.64 2.46
NM_CAPITAL___DRP 24208	25.03 0.78 0.00	23.39 0.83 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.63 0.75 0.00	22.47 0.70 0.00	22.31 0.67 0.00	23.94 0.76 0.00	23.84 0.47 0.00	26.16 0.54 0.00	27.05 0.71 0.00	29.83 0.70 0.00	31.88 0.75 0.00	33.26 0.91 0.00	34.20 0.96 0.00	37.91 1.00 0.17	42.79 1.13 0.00	43.38 1.14 0.00	39.32 1.07 0.00	38.85 1.06 0.00	33.88 1.02 0.00	31.06 0.85 0.00	28.82 0.79 0.00
NM_CENTRAL___DRP 24181	24.23 -0.02 0.00	22.44 -0.11 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.60 -0.17 0.00	21.45 -0.19 0.00	22.92 -0.25 0.00	23.22 -0.16 -0.01	25.70 -0.03 -0.11	26.59 0.08 -0.17	29.62 0.15 -0.34	31.64 0.12 -0.38	32.85 0.10 -0.40	33.71 0.13 -0.34	37.70 0.11 -0.52	42.64 0.21 -0.76	43.12 0.17 -0.72	38.79 0.11 -0.43	38.29 0.11 -0.38	33.27 0.10 -0.31	30.70 0.03 -0.46	28.33 0.06 -0.23



NM_FRONTIER___DRP 24179	23.55 -0.70 0.00	21.61 -0.95 0.00	19.58 -1.16 0.00	18.61 -1.36 0.00	18.56 -1.35 0.00	19.44 -1.44 0.00	20.86 -0.91 0.00	20.49 -1.15 0.00	21.81 -1.37 0.00	22.20 -1.17 0.00	24.91 -0.72 0.00	25.71 -0.63 0.00	28.46 -0.67 0.00	30.23 -0.90 0.00	31.41 -0.94 0.00	32.51 -0.73 0.00	36.30 -0.78 0.00	40.79 -0.88 0.00	41.18 -1.06 0.00	37.06 -1.19 0.00	36.32 -1.47 0.00	31.45 -1.41 0.00	28.85 -1.36 0.00	27.25 -0.79 0.00
NM_ST_REGIS___HYD 24053	22.68 -1.53 0.05	21.56 -0.99 0.00	19.89 -0.85 0.00	19.19 -0.78 0.00	19.20 -0.72 0.00	20.21 -0.67 0.00	21.15 -0.63 0.00	21.06 -0.58 0.00	22.58 -0.60 0.00	22.74 -0.63 0.00	23.20 -1.33 1.09	24.79 -1.55 0.00	27.33 -1.81 0.00	29.33 -1.81 0.00	30.28 -2.07 0.00	30.94 -2.29 0.00	34.63 -2.45 0.00	38.92 -2.75 0.00	39.62 -2.62 0.00	36.14 -2.10 0.00	35.72 -2.08 0.00	30.82 -2.04 0.00	28.55 -1.66 0.00	26.38 -1.65 0.00
NORTHPORT___1 23551	31.86 1.89 -5.71	28.72 1.60 -4.56	24.76 1.51 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.28 1.48 -0.92	23.24 1.46 0.00	23.24 1.60 0.00	25.10 1.92 0.00	30.27 1.99 -4.91	30.34 2.20 -2.51	34.99 2.42 -6.23	36.67 2.62 -4.91	38.36 2.83 -4.40	45.13 3.17 -9.60	37.77 2.96 -1.58	40.04 2.78 -0.18	44.12 2.46 0.00	44.64 2.41 0.00	40.39 2.14 0.00	39.80 2.00 0.00	35.00 2.13 0.00	32.21 1.99 0.00	29.86 1.82 0.00
NORTHPORT___2 23552	31.86 1.89 -5.71	28.72 1.60 -4.56	24.76 1.51 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.28 1.48 -0.92	23.24 1.46 0.00	23.24 1.60 0.00	25.10 1.92 0.00	30.27 1.99 -4.91	30.34 2.20 -2.51	34.99 2.42 -6.23	36.67 2.62 -4.91	38.36 2.83 -4.40	45.13 3.17 -9.60	37.77 2.96 -1.58	40.04 2.78 -0.18	44.12 2.46 0.00	44.64 2.41 0.00	40.39 2.14 0.00	39.80 2.00 0.00	35.00 2.13 0.00	32.21 1.99 0.00	29.86 1.82 0.00
NORTHPORT___3 23553	31.62 1.65 -5.71	28.58 1.47 -4.56	24.62 1.37 -2.51	22.51 1.30 -1.24	22.34 1.28 -1.15	23.09 1.29 -0.92	23.04 1.26 0.00	23.05 1.41 0.00	24.89 1.72 0.00	30.15 1.87 -4.91	29.95 1.82 -2.51	34.70 2.13 -6.23	36.40 2.36 -4.91	38.05 2.52 -4.39	44.80 2.85 -9.60	37.47 2.66 -1.58	39.88 2.63 -0.17	44.04 2.37 0.00	44.47 2.24 0.00	40.23 1.99 0.00	39.69 1.89 0.00	34.83 1.97 0.00	32.02 1.81 0.00	29.66 1.63 0.00
NORTHPORT___4 23650	31.62 1.65 -5.71	28.58 1.47 -4.56	24.62 1.37 -2.51	22.51 1.30 -1.24	22.34 1.28 -1.15	23.09 1.29 -0.92	23.04 1.26 0.00	23.05 1.41 0.00	24.89 1.72 0.00	30.15 1.87 -4.91	29.95 1.82 -2.51	34.70 2.13 -6.23	36.40 2.36 -4.91	38.05 2.52 -4.39	44.80 2.85 -9.60	37.47 2.66 -1.58	39.88 2.63 -0.17	44.04 2.37 0.00	44.47 2.24 0.00	40.23 1.99 0.00	39.69 1.89 0.00	34.83 1.97 0.00	32.02 1.81 0.00	29.66 1.63 0.00
NORTHPORT___IC 23718	31.74 1.77 -5.71	28.72 1.60 -4.56	24.79 1.53 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.28 1.48 -0.92	23.24 1.46 0.00	23.24 1.60 0.00	25.10 1.92 0.00	30.20 1.92 -4.91	30.28 2.15 -2.51	35.10 2.53 -6.23	36.93 2.88 -4.91	38.64 3.11 -4.40	45.48 3.53 -9.60	38.37 3.56 -1.58	41.18 3.93 -0.18	45.33 3.67 0.00	45.78 3.55 0.00	41.42 3.17 0.00	40.74 2.95 0.00	35.98 3.12 0.00	32.84 2.63 0.00	30.56 2.52 0.00
NORTH___COUNTRY_ESR 323785	23.11 -1.14 0.01	21.79 -0.77 0.00	20.07 -0.66 0.00	19.41 -0.56 0.00	19.42 -0.50 0.00	20.50 -0.38 0.00	21.49 -0.28 0.00	21.45 -0.20 0.00	23.06 -0.12 0.00	23.09 -0.28 0.00	24.93 -0.56 0.12	25.55 -0.79 0.00	28.20 -0.93 0.00	30.17 -0.97 0.00	31.19 -1.16 0.00	31.94 -1.30 0.00	35.67 -1.41 0.00	40.13 -1.54 0.00	40.93 -1.31 0.00	37.21 -1.03 0.00	36.93 -0.87 0.00	31.81 -1.05 0.00	29.33 -0.88 0.00	27.20 -0.84 0.00
NPX_GEN_1385_PROXY 323591	29.74 1.16 -4.32	28.18 1.06 -4.56	24.47 1.22 -2.51	22.49 1.28 -1.24	22.44 1.37 -1.15	23.19 1.40 -0.92	23.15 1.37 0.00	23.18 1.54 0.00	24.99 1.81 0.00	29.80 1.52 -4.91	29.95 1.59 -2.74	31.48 1.63 -3.50	33.48 2.16 -2.19	34.48 2.34 -1.01	36.37 2.62 -1.40	37.21 2.39 -1.58	39.11 1.85 -0.18	43.00 1.33 0.00	43.75 1.52 0.00	41.73 1.19 -2.30	36.48 0.98 2.30	34.14 1.28 0.00	30.00 1.27 1.48	29.02 0.98 0.00
NPX_GEN_CSC 323557	32.03 2.06 -5.71	28.79 1.67 -4.56	24.81 1.56 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.26 1.46 -0.92	23.19 1.41 0.00	23.16 1.51 0.00	25.06 1.88 0.00	30.32 2.03 -4.91	30.90 2.54 -2.74	35.27 2.92 -6.00	37.25 3.20 -4.91	39.02 3.49 -4.41	45.84 3.88 -9.61	38.48 3.66 -1.59	40.93 3.67 -0.19	45.04 3.37 0.00	45.53 3.30 0.00	43.62 3.06 -2.31	38.29 2.80 2.30	35.72 2.86 0.00	32.78 2.57 0.00	30.39 2.36 0.00
NSINS_S_GLNS_FALLS 23858	25.54 1.29 0.00	23.75 1.20 0.00	21.75 1.02 0.00	20.97 1.00 0.00	20.87 0.96 0.00	21.86 0.98 0.00	22.73 0.96 0.00	22.44 0.80 0.00	24.18 1.00 0.00	24.35 0.98 0.00	26.55 0.92 0.00	27.48 1.13 0.00	30.27 1.14 0.00	32.35 1.21 0.00	33.84 1.49 0.00	34.90 1.66 0.00	38.61 1.71 0.17	43.92 2.25 0.00	45.06 2.83 0.00	40.96 2.72 0.00	40.63 2.83 0.00	35.36 2.50 0.00	32.33 2.11 0.00	29.89 1.85 0.00
NUCOR_STEEL___DRP 24197	24.54 0.29 0.00	22.71 0.16 0.00	20.82 0.08 0.00	19.99 0.02 0.00	19.91 0.00 0.00	20.90 0.02 0.00	21.84 0.07 0.00	21.68 0.04 0.00	23.18 0.00 0.00	23.50 0.12 -0.01	26.11 0.28 -0.21	27.04 0.42 -0.27	30.21 0.52 -0.56	32.20 0.44 -0.63	33.50 0.49 -0.66	34.36 0.57 -0.56	38.55 0.63 -0.84	43.79 0.88 -1.25	44.34 0.93 -1.18	39.76 0.80 -0.71	39.22 0.79 -0.63	34.05 0.69 -0.50	31.44 0.48 -0.75	28.90 0.48 -0.38
NUMBER_THREE_WT_PWR 323818	23.90 -0.34 0.02	22.26 -0.29 0.00	20.65 -0.08 0.00	19.89 -0.08 0.00	19.83 -0.08 0.00	20.79 -0.08 0.00	21.75 -0.02 0.00	21.51 -0.13 0.00	22.95 -0.23 0.00	23.14 -0.23 -0.01	25.00 -0.36 0.27	26.18 -0.29 -0.12	29.06 -0.32 -0.25	31.16 -0.25 -0.28	32.38 -0.26 -0.29	33.22 -0.27 -0.25	37.23 -0.22 -0.37	42.10 -0.12 -0.55	42.89 0.13 -0.52	38.86 0.30 -0.31	38.53 0.46 -0.28	33.35 0.26 -0.22	30.73 0.18 -0.33	28.24 0.03 -0.17
NYISO_LBMP_REFERENCE 24008	24.25 0.00 0.00	22.56 0.00 0.00	20.74 0.00 0.00	19.97 0.00 0.00	19.91 0.00 0.00	20.88 0.00 0.00	21.78 0.00 0.00	21.64 0.00 0.00	23.18 0.00 0.00	23.37 0.00 0.00	25.62 0.00 0.00	26.34 0.00 0.00	29.13 0.00 0.00	31.13 0.00 0.00	32.35 0.00 0.00	33.24 0.00 0.00	37.08 0.00 0.00	41.67 0.00 0.00	42.24 0.00 0.00	38.25 0.00 0.00	37.80 0.00 0.00	32.86 0.00 0.00	30.21 0.00 0.00	28.04 0.00 0.00
NYPA_BRENTWD____GT 24164	32.25 2.28 -5.71	29.04 1.92 -4.56	25.03 1.78 -2.51	22.91 1.70 -1.24	22.76 1.69 -1.15	23.53 1.73 -0.92	23.50 1.72 0.00	23.48 1.84 0.00	25.36 2.18 0.00	30.60 2.31 -4.91	30.85 2.71 -2.51	35.62 3.05 -6.23	37.42 3.38 -4.91	39.17 3.64 -4.40	45.97 4.01 -9.60	38.64 3.82 -1.58	40.93 3.67 -0.18	45.08 3.42 0.00	45.57 3.34 0.00	41.27 3.02 0.00	40.78 2.99 0.00	35.88 3.02 0.00	32.96 2.75 0.00	30.53 2.49 0.00



NYPA_GOWANUS____GT5 24156	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.76 3.52 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.60 3.88 -24.48	69.66 3.44 -27.97	98.15 3.44 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NYPA_GOWANUS____GT6 24157	26.20 1.94 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.88 2.26 0.00	29.03 2.69 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.76 3.52 0.00	41.16 3.86 -0.23	52.06 4.09 -6.30	70.60 3.88 -24.48	69.66 3.44 -27.97	98.15 3.44 -56.92	40.02 3.12 -4.04	33.20 2.87 -0.11	30.65 2.61 -0.01
NYPA_HARLEM__RVR__GT1 24160	26.18 1.92 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.71 3.36 0.01	36.52 3.29 0.01	40.80 3.56 -0.17	45.41 3.75 0.01	45.78 3.55 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.03 2.81 -0.01	30.65 2.61 -0.01
NYPA_HARLEM__RVR__GT2 24161	26.18 1.92 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.71 3.36 0.01	36.52 3.29 0.01	40.80 3.56 -0.17	45.41 3.75 0.01	45.78 3.55 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.03 2.81 -0.01	30.65 2.61 -0.01
NYPA_KENT____GT 24152	26.16 1.89 -0.01	24.07 1.51 0.00	22.13 1.39 0.00	21.27 1.30 0.00	21.21 1.29 0.00	22.09 1.21 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.16 3.00 -0.02	37.48 3.21 -3.14	35.91 3.53 -0.03	36.73 3.49 0.00	41.07 3.78 -0.21	49.28 4.00 -3.61	60.05 3.80 -14.02	57.63 3.37 -16.02	73.75 3.36 -32.59	38.23 3.06 -2.31	33.09 2.81 -0.07	30.60 2.55 -0.01
NYPA_POUCH1____GT 24155	26.18 1.92 -0.01	24.11 1.56 0.00	22.17 1.43 0.00	21.29 1.32 0.00	21.23 1.31 0.00	22.07 1.19 0.00	22.93 1.15 0.00	22.98 1.34 0.00	24.73 1.55 0.00	25.10 1.73 0.00	27.80 2.18 0.00	28.95 2.61 0.00	32.11 2.94 -0.04	39.73 3.11 -5.49	35.83 3.43 -0.06	36.69 3.46 0.00	41.05 3.74 -0.23	51.93 3.96 -6.30	70.52 3.80 -24.48	69.59 3.37 -27.97	98.08 3.36 -56.92	39.92 3.02 -4.04	33.10 2.78 -0.11	30.54 2.49 -0.01
NYPA_VERNON____GT2 24162	26.11 1.84 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.17 1.26 0.00	22.09 1.21 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.20 1.82 0.00	27.85 2.23 0.00	28.95 2.61 0.00	32.08 2.94 -0.01	35.10 3.18 -0.80	35.85 3.50 -0.01	36.69 3.46 0.00	41.00 3.74 -0.18	46.54 3.96 -0.91	49.54 3.76 -3.55	45.59 3.29 -4.06	49.34 3.29 -8.25	36.44 2.99 -0.59	33.01 2.78 -0.02	30.57 2.52 -0.01
NYPA_VERNON____GT3 24163	26.11 1.84 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.17 1.26 0.00	22.09 1.21 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.20 1.82 0.00	27.85 2.23 0.00	28.95 2.61 0.00	32.08 2.94 -0.01	35.10 3.18 -0.80	35.85 3.50 -0.01	36.69 3.46 0.00	41.00 3.74 -0.18	46.54 3.96 -0.91	49.54 3.76 -3.55	45.59 3.29 -4.06	49.34 3.29 -8.25	36.44 2.99 -0.59	33.01 2.78 -0.02	30.57 2.52 -0.01
NYPA____ASTORIA_CC1 323568	26.08 1.82 -0.01	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.26 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.90 2.55 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.92 3.67 -0.18	45.54 3.88 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.05 3.25 0.00	35.82 2.96 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
NYPA____ASTORIA_CC2 323569	26.08 1.82 -0.01	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.26 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.90 2.55 0.00	32.02 2.88 0.00	34.24 3.11 0.00	35.78 3.43 0.00	36.63 3.39 0.00	40.92 3.67 -0.18	45.54 3.88 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.05 3.25 0.00	35.82 2.96 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
NYPA____HOLTSVILL 23794	32.10 2.13 -5.71	28.88 1.76 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.32 1.55 0.00	23.31 1.67 0.00	25.19 2.02 0.00	30.43 2.15 -4.91	30.72 2.59 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.40	45.75 3.78 -9.61	38.41 3.59 -1.59	40.86 3.60 -0.19	44.92 3.25 0.00	45.44 3.21 0.00	41.20 2.95 -0.01	40.55 2.76 0.00	35.65 2.79 0.00	32.81 2.60 0.00	30.42 2.38 0.00
NYPA____HELLGATE_GT1 24158	26.18 1.92 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.71 3.36 0.01	36.52 3.29 0.01	40.80 3.56 -0.17	45.41 3.75 0.01	45.78 3.55 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.03 2.81 -0.01	30.65 2.61 -0.01
NYPA____HELLGATE_GT2 24159	26.18 1.92 -0.01	24.09 1.53 0.00	22.20 1.45 -0.01	21.34 1.36 -0.01	21.27 1.35 0.00	22.09 1.21 0.00	22.89 1.11 0.00	22.98 1.34 0.01	24.72 1.55 0.01	25.09 1.73 0.01	27.74 2.13 0.01	28.86 2.53 0.01	31.98 2.86 0.01	34.21 3.08 0.01	35.71 3.36 0.01	36.52 3.29 0.01	40.80 3.56 -0.17	45.41 3.75 0.01	45.78 3.55 0.01	41.37 3.14 0.01	40.92 3.14 0.01	35.82 2.96 0.00	33.03 2.81 -0.01	30.65 2.61 -0.01
NYS_BARGE____HYD 23848	24.25 0.00 0.00	22.10 -0.45 0.00	20.07 -0.66 0.00	19.05 -0.92 0.00	18.96 -0.96 0.00	19.94 -0.94 0.00	21.36 -0.41 0.00	20.99 -0.65 0.00	22.37 -0.81 0.00	22.79 -0.58 0.00	25.60 -0.03 0.00	26.34 0.00 0.00	29.22 0.09 0.00	31.13 0.00 0.00	32.35 0.00 0.00	33.54 0.30 0.00	37.63 0.56 0.00	42.29 0.63 0.00	42.61 0.38 0.00	38.21 -0.04 0.00	37.42 -0.38 0.00	32.70 -0.16 0.00	29.91 -0.30 0.00	28.23 0.20 0.00
OAK ORCHARD____HYD 24046	24.47 0.22 0.00	22.47 -0.09 0.00	20.49 -0.25 0.00	19.53 -0.44 0.00	19.44 -0.48 0.00	20.46 -0.42 0.00	21.65 -0.13 0.00	21.45 -0.20 0.00	22.90 -0.28 0.00	23.30 -0.07 0.00	25.93 0.31 0.00	26.74 0.40 0.00	29.63 0.49 0.00	31.57 0.44 0.00	32.80 0.45 0.00	33.90 0.66 0.00	38.04 0.96 0.00	42.79 1.13 0.00	43.21 0.97 0.00	38.86 0.61 0.00	38.29 0.49 0.00	33.35 0.49 0.00	30.42 0.21 0.00	28.51 0.48 0.00



OAKDALE___35_KV_LOAD 356122	24.59 0.34 0.00	22.71 0.16 0.00	20.80 0.06 0.00	19.97 0.00 0.00	19.89 -0.02 0.00	20.88 0.00 0.00	21.89 0.11 0.00	21.75 0.11 0.00	23.27 0.09 0.00	23.56 0.19 0.00	26.15 0.44 -0.09	27.01 0.55 -0.11	30.02 0.67 -0.22	32.07 0.68 -0.25	33.36 0.74 -0.26	34.26 0.80 -0.22	38.30 0.89 -0.33	43.25 1.08 -0.50	43.76 1.06 -0.47	39.44 0.92 -0.28	38.84 0.79 -0.25	33.75 0.69 -0.20	31.05 0.54 -0.30	28.78 0.59 -0.15
OCC_CHEM___DRP 24175	23.62 -0.63 0.00	21.68 -0.88 0.00	19.64 -1.10 0.00	18.65 -1.32 0.00	18.60 -1.31 0.00	19.48 -1.40 0.00	20.91 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.79 -0.55 0.00	28.55 -0.58 0.00	30.32 -0.81 0.00	31.51 -0.84 0.00	32.61 -0.63 0.00	36.41 -0.67 0.00	40.92 -0.75 0.00	41.31 -0.93 0.00	37.17 -1.07 0.00	36.40 -1.40 0.00	31.55 -1.31 0.00	28.94 -1.27 0.00	27.31 -0.73 0.00
OH_GEN_PROXY 24063	23.97 -0.29 0.00	21.92 -0.63 0.00	19.91 -0.83 0.00	18.91 -1.06 0.00	18.76 -1.16 0.00	19.77 -1.11 0.00	21.17 -0.61 0.00	20.82 -0.82 0.00	22.18 -1.00 0.00	22.58 -0.79 0.00	25.52 -0.33 -0.23	25.80 -0.31 0.23	28.84 -0.29 0.00	30.70 -0.44 0.00	31.90 -0.45 0.00	33.07 -0.17 0.00	37.11 0.04 0.00	41.71 0.04 0.00	42.02 -0.21 0.00	40.01 -0.54 -2.30	34.66 -0.83 2.30	32.27 -0.59 0.00	29.55 -0.66 0.00	27.87 -0.17 0.00
OLIN_CORP_DRP 24177	23.79 -0.46 0.00	21.83 -0.72 0.00	19.80 -0.93 0.00	18.83 -1.14 0.00	18.60 -1.31 0.00	19.67 -1.21 0.00	21.06 -0.72 0.00	20.65 -1.00 0.00	22.00 -1.18 0.00	22.39 -0.98 0.00	25.11 -0.51 0.00	25.92 -0.42 0.00	28.72 -0.41 0.00	30.51 -0.62 0.00	31.70 -0.65 0.00	32.80 -0.43 0.00	36.63 -0.44 0.00	41.17 -0.50 0.00	41.56 -0.68 0.00	37.40 -0.84 0.00	36.66 -1.13 0.00	31.74 -1.12 0.00	29.09 -1.12 0.00	27.48 -0.56 0.00
OLIN_CORP_DSASP 323712	23.70 -0.56 0.00	21.74 -0.81 0.00	19.76 -0.97 0.00	18.75 -1.22 0.00	18.50 -1.41 0.00	19.60 -1.27 0.00	20.90 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.71 -0.63 0.00	28.49 -0.64 0.00	30.32 -0.81 0.00	31.48 -0.87 0.00	32.67 -0.57 0.00	36.67 -0.41 0.00	41.17 -0.50 0.00	41.48 -0.76 0.00	37.21 -1.03 0.00	36.47 -1.32 0.00	31.84 -1.02 0.00	29.18 -1.03 0.00	27.56 -0.48 0.00
ONEIDA_HERK_LFGE 323681	24.56 0.31 0.01	22.83 0.27 0.00	21.03 0.29 0.00	20.25 0.28 0.00	20.19 0.28 0.00	21.17 0.29 0.00	22.10 0.33 0.00	21.90 0.26 0.00	23.39 0.21 0.00	23.66 0.28 0.00	25.79 0.28 0.11	26.78 0.37 -0.07	29.70 0.44 -0.13	31.84 0.56 -0.15	33.06 0.55 -0.16	33.94 0.56 -0.14	37.98 0.70 -0.20	42.85 0.88 -0.30	43.58 1.06 -0.29	39.49 1.07 -0.17	39.08 1.13 -0.15	33.87 0.89 -0.12	31.15 0.76 -0.18	28.75 0.62 -0.09
ONEIDA___115KV_TB4 55905	25.05 0.80 0.00	23.19 0.63 0.00	21.30 0.56 0.00	20.49 0.52 0.00	20.41 0.50 0.00	21.40 0.52 0.00	22.36 0.59 0.00	22.16 0.52 0.00	23.67 0.49 0.00	23.98 0.61 0.00	26.35 0.72 -0.01	27.30 0.87 -0.09	30.31 0.99 -0.18	32.49 1.15 -0.21	33.67 1.10 -0.22	34.59 1.16 -0.19	38.73 1.37 -0.28	43.71 1.63 -0.41	44.40 1.77 -0.39	40.16 1.68 -0.23	39.71 1.70 -0.21	34.47 1.45 -0.17	31.67 1.21 -0.25	29.23 1.07 -0.13
ONONDAGA_REF_OCCRA 23987	24.23 -0.02 0.00	22.42 -0.14 0.00	20.57 -0.17 0.00	19.77 -0.20 0.00	19.69 -0.22 0.00	20.65 -0.23 0.00	21.58 -0.20 0.00	21.42 -0.22 0.00	22.92 -0.25 0.00	23.22 -0.16 -0.01	25.74 -0.03 -0.14	26.63 0.08 -0.21	29.70 0.15 -0.42	31.73 0.12 -0.47	32.95 0.10 -0.50	33.79 0.13 -0.42	37.82 0.11 -0.64	42.82 0.21 -0.94	43.33 0.21 -0.89	38.89 0.11 -0.53	38.39 0.11 -0.48	33.34 0.10 -0.38	30.81 0.03 -0.56	28.35 0.03 -0.29
ONONDAGA___COGEN 23986	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 -0.01	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43
ONTARIO___LFGE 23819	24.74 0.48 0.00	22.73 0.18 0.00	20.78 0.04 0.00	19.89 -0.08 0.00	19.81 -0.10 0.00	20.86 -0.02 0.00	21.95 0.17 0.00	21.79 0.15 0.00	23.32 0.14 0.00	23.70 0.33 0.00	26.37 0.67 -0.09	27.23 0.79 -0.10	30.15 0.81 -0.20	32.17 0.81 -0.23	33.43 0.84 -0.24	34.44 1.00 -0.21	38.68 1.30 -0.31	43.75 1.62 -0.46	44.36 1.69 -0.43	39.84 1.34 -0.26	39.24 1.21 -0.23	34.13 1.08 -0.19	31.30 0.82 -0.28	29.13 0.95 -0.14
ORANGEVILLE_WT_PWR 323706	24.35 0.10 0.00	22.31 -0.25 0.00	20.34 -0.39 0.00	19.37 -0.60 0.00	19.28 -0.64 0.00	20.29 -0.58 0.00	21.63 -0.15 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.23 -0.14 0.00	25.98 0.36 0.00	26.79 0.45 0.00	29.68 0.55 0.00	31.66 0.53 0.00	32.90 0.55 0.00	34.03 0.80 0.00	38.11 1.04 0.00	42.88 1.21 0.00	43.33 1.10 0.00	38.93 0.69 0.00	38.14 0.34 0.00	33.29 0.43 0.00	30.51 0.30 0.00	28.68 0.65 0.00
ORANGEVILLE___ESR 323794	24.35 0.10 0.00	22.31 -0.25 0.00	20.34 -0.39 0.00	19.37 -0.60 0.00	19.28 -0.64 0.00	20.29 -0.58 0.00	21.63 -0.15 0.00	21.36 -0.28 0.00	22.81 -0.37 0.00	23.23 -0.14 0.00	25.98 0.36 0.00	26.79 0.45 0.00	29.68 0.55 0.00	31.66 0.53 0.00	32.90 0.55 0.00	34.03 0.80 0.00	38.11 1.04 0.00	42.88 1.21 0.00	43.33 1.10 0.00	38.93 0.69 0.00	38.14 0.34 0.00	33.29 0.43 0.00	30.51 0.30 0.00	28.68 0.65 0.00
OSWEGATCHIE___HYD 24044	22.98 -1.24 0.04	21.65 -0.90 0.00	20.01 -0.73 0.00	19.29 -0.68 0.00	19.26 -0.66 0.00	20.23 -0.65 0.00	21.14 -0.63 0.00	20.97 -0.67 0.00	22.39 -0.79 0.00	22.40 -0.98 0.00	23.60 -1.25 0.77	25.13 -1.32 -0.10	27.85 -1.48 -0.21	29.87 -1.49 -0.23	30.95 -1.65 -0.24	31.68 -1.76 -0.21	35.50 -1.89 -0.31	40.05 -2.08 -0.46	40.82 -1.86 -0.44	37.02 -1.49 -0.26	36.78 -1.25 -0.23	31.73 -1.32 -0.19	29.31 -1.18 -0.28	26.98 -1.20 -0.14
OSWEGO___5 23606	23.89 -0.36 0.00	22.15 -0.41 0.00	20.34 -0.39 0.00	19.55 -0.42 0.00	19.48 -0.44 0.00	20.42 -0.46 0.00	21.34 -0.44 0.00	21.16 -0.48 0.00	22.62 -0.56 0.00	22.94 -0.49 -0.06	26.29 -0.44 -1.10	27.24 -0.39 -1.29	31.34 -0.41 -2.61	33.62 -0.47 -2.95	34.96 -0.48 -3.10	35.41 -0.47 -2.64	40.56 -0.48 -3.97	47.04 -0.50 -5.87	47.27 -0.50 -5.54	41.07 -0.50 -3.32	40.23 -0.53 -2.96	34.80 -0.43 -2.36	33.27 -0.45 -3.51	29.45 -0.39 -1.80
OSWEGO___6 23613	23.89 -0.36 0.00	22.15 -0.41 0.00	20.34 -0.39 0.00	19.55 -0.42 0.00	19.48 -0.44 0.00	20.42 -0.46 0.00	21.34 -0.44 0.00	21.16 -0.48 0.00	22.62 -0.56 0.00	22.94 -0.49 -0.06	26.29 -0.44 -1.10	27.24 -0.39 -1.29	31.34 -0.41 -2.61	33.62 -0.47 -2.95	34.96 -0.48 -3.10	35.41 -0.47 -2.64	40.56 -0.48 -3.97	47.04 -0.50 -5.87	47.27 -0.50 -5.54	41.07 -0.50 -3.32	40.23 -0.53 -2.96	34.80 -0.43 -2.36	33.27 -0.45 -3.51	29.45 -0.39 -1.80



OUTOKUMPU-AB___DRP 24206	24.33 0.07 0.00	22.28 -0.27 0.00	20.22 -0.52 0.00	19.21 -0.76 0.00	19.08 -0.84 0.00	20.08 -0.79 0.00	21.47 -0.30 0.00	21.14 -0.50 0.00	22.53 -0.65 0.00	22.95 -0.42 0.00	25.80 0.18 0.00	26.66 0.32 0.00	29.60 0.47 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.38 0.71 0.00	42.78 0.55 0.00	38.48 0.23 0.00	37.65 -0.15 0.00	32.60 -0.26 0.00	29.88 -0.33 0.00	28.21 0.17 0.00
OXBOW___BTM 323836	24.11 -0.14 0.00	22.06 -0.50 0.00	20.05 -0.68 0.00	19.01 -0.96 0.00	18.82 -1.10 0.00	19.90 -0.98 0.00	21.23 -0.54 0.00	20.88 -0.76 0.00	22.25 -0.93 0.00	22.67 -0.70 0.00	25.47 -0.15 0.00	26.24 -0.10 0.00	29.07 -0.06 0.00	30.98 -0.15 0.00	32.19 -0.16 0.00	33.37 0.13 0.00	37.45 0.37 0.00	42.04 0.37 0.00	42.36 0.13 0.00	37.94 -0.31 0.00	37.15 -0.64 0.00	32.47 -0.39 0.00	29.76 -0.45 0.00	28.07 0.03 0.00
OXBOW___ 24026	24.04 -0.22 0.00	22.01 -0.54 0.00	19.97 -0.77 0.00	18.97 -1.00 0.00	18.88 -1.04 0.00	19.81 -1.06 0.00	21.23 -0.54 0.00	20.88 -0.76 0.00	22.25 -0.93 0.00	22.65 -0.72 0.00	25.47 -0.15 0.00	26.29 -0.05 0.00	29.16 0.03 0.00	30.98 -0.16 0.00	32.22 -0.13 0.00	33.34 0.10 0.00	37.19 0.11 0.00	41.79 0.13 0.00	42.15 -0.08 0.00	37.94 -0.31 0.00	37.12 -0.68 0.00	32.14 -0.72 0.00	29.49 -0.73 0.00	27.81 -0.22 0.00
OXY_CHEM_DSASP 323612	23.62 -0.63 0.00	21.68 -0.88 0.00	19.64 -1.10 0.00	18.65 -1.32 0.00	18.60 -1.31 0.00	19.48 -1.40 0.00	20.91 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.79 -0.55 0.00	28.55 -0.58 0.00	30.32 -0.81 0.00	31.51 -0.84 0.00	32.61 -0.63 0.00	36.41 -0.67 0.00	40.92 -0.75 0.00	41.31 -0.93 0.00	37.17 -1.07 0.00	36.40 -1.40 0.00	31.55 -1.31 0.00	28.94 -1.27 0.00	27.31 -0.73 0.00
OZONE_PARK_ESR 323760	26.10 1.84 0.00	24.09 1.53 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.25 1.33 0.00	22.21 1.34 0.00	23.13 1.35 0.00	23.24 1.60 0.00	25.01 1.83 0.00	25.29 1.92 0.00	28.01 2.38 0.00	29.11 2.77 0.00	32.28 3.15 0.00	34.49 3.36 0.00	36.10 3.75 0.00	36.96 3.72 0.00	41.41 4.15 -0.18	46.17 4.50 0.00	46.50 4.27 0.00	41.99 3.75 0.00	41.61 3.82 0.00	36.31 3.45 0.00	33.29 3.08 0.00	30.84 2.80 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	23.62 -0.63 0.00	21.68 -0.88 0.00	19.64 -1.10 0.00	18.65 -1.32 0.00	18.60 -1.31 0.00	19.48 -1.40 0.00	20.91 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.79 -0.55 0.00	28.55 -0.58 0.00	30.32 -0.81 0.00	31.51 -0.84 0.00	32.61 -0.63 0.00	36.41 -0.67 0.00	40.92 -0.75 0.00	41.31 -0.93 0.00	37.17 -1.07 0.00	36.40 -1.40 0.00	31.55 -1.31 0.00	28.94 -1.27 0.00	27.31 -0.73 0.00
PACKARD__115KV_DUPONT_184 80571	23.62 -0.63 0.00	21.68 -0.88 0.00	19.64 -1.10 0.00	18.65 -1.32 0.00	18.60 -1.31 0.00	19.48 -1.40 0.00	20.91 -0.87 0.00	20.54 -1.10 0.00	21.88 -1.30 0.00	22.27 -1.10 0.00	24.98 -0.64 0.00	25.79 -0.55 0.00	28.55 -0.58 0.00	30.32 -0.81 0.00	31.51 -0.84 0.00	32.61 -0.63 0.00	36.41 -0.67 0.00	40.92 -0.75 0.00	41.31 -0.93 0.00	37.17 -1.07 0.00	36.40 -1.40 0.00	31.55 -1.31 0.00	28.94 -1.27 0.00	27.31 -0.73 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	26.08 1.82 -0.01	24.07 1.51 0.00	22.18 1.43 -0.01	21.32 1.34 -0.01	21.23 1.31 0.00	22.07 1.19 0.00	22.87 1.09 0.00	22.94 1.30 0.00	24.69 1.51 0.00	24.96 1.59 0.00	27.65 2.02 0.00	28.77 2.42 0.00	31.90 2.77 0.00	34.12 2.99 0.00	35.65 3.30 0.00	36.49 3.26 0.00	40.81 3.56 -0.18	45.54 3.88 0.00	45.83 3.59 0.00	41.38 3.14 0.00	41.01 3.21 0.00	35.95 3.09 0.00	33.09 2.87 -0.01	30.74 2.69 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	26.37 2.11 -0.01	24.34 1.78 0.00	22.42 1.68 -0.01	21.54 1.56 -0.01	21.47 1.55 0.00	22.30 1.42 0.00	23.08 1.31 0.00	23.16 1.51 0.00	24.94 1.76 0.00	25.20 1.82 0.00	27.93 2.31 0.00	29.06 2.71 0.00	32.22 3.09 0.00	34.46 3.33 0.00	36.04 3.69 0.00	36.89 3.66 0.00	41.26 4.00 -0.18	46.04 4.38 0.00	46.37 4.14 0.00	41.88 3.63 0.00	41.54 3.74 0.00	36.38 3.52 0.00	33.48 3.26 -0.01	31.07 3.03 -0.01
PATROON__115KV_TB1 80586	25.08 0.82 0.00	23.46 0.90 0.00	21.59 0.85 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.67 0.79 0.00	22.52 0.74 0.00	22.36 0.71 0.00	23.99 0.81 0.00	23.89 0.51 0.00	26.21 0.59 0.00	27.11 0.76 0.00	29.89 0.76 0.00	31.91 0.78 0.00	33.35 1.00 0.00	34.30 1.06 0.00	37.99 1.08 0.16	42.96 1.29 0.00	43.54 1.31 0.00	39.43 1.19 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.15 0.94 0.00	28.88 0.84 0.00
PATTRSNVILLE___SOLAR 323815	25.30 1.04 0.00	23.50 0.95 0.00	21.57 0.83 0.00	20.79 0.82 0.00	20.71 0.80 0.00	21.69 0.81 0.00	22.58 0.81 0.00	22.38 0.74 0.00	23.99 0.81 0.00	24.19 0.82 0.00	26.54 0.92 0.00	27.42 1.08 0.00	30.33 1.19 0.00	32.38 1.25 0.00	33.81 1.46 0.00	34.83 1.60 0.00	38.62 1.67 0.13	43.71 2.04 0.00	44.47 2.24 0.00	40.39 2.14 0.00	39.91 2.12 0.00	34.67 1.81 0.00	31.84 1.63 0.00	29.49 1.46 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	24.42 0.17 0.00	22.37 -0.18 0.00	20.30 -0.44 0.00	19.33 -0.64 0.00	19.18 -0.74 0.00	20.21 -0.67 0.00	21.58 -0.20 0.00	21.25 -0.39 0.00	22.69 -0.49 0.00	23.12 -0.26 0.00	25.98 0.36 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.79 0.65 0.00	33.06 0.71 0.00	34.17 0.93 0.00	38.08 1.00 0.00	42.79 1.13 0.00	43.21 0.97 0.00	38.86 0.61 0.00	37.91 0.11 0.00	32.89 0.03 0.00	30.12 -0.09 0.00	28.46 0.42 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	25.86 1.60 0.00	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.00 1.36 0.00	24.78 1.60 0.00	25.05 1.68 0.00	27.70 2.08 0.00	28.71 2.37 0.00	31.84 2.71 0.00	34.09 2.96 0.00	35.68 3.33 0.00	36.59 3.36 0.00	40.94 3.71 -0.15	45.67 4.00 0.00	46.16 3.93 0.00	41.69 3.44 0.00	41.31 3.52 0.00	35.92 3.06 0.00	32.90 2.69 0.00	30.48 2.44 0.00
PEEKSKILL___ 23653	25.71 1.46 0.00	23.68 1.13 0.00	21.81 1.08 0.00	20.97 1.00 0.00	20.91 1.00 0.00	21.88 1.00 0.00	22.78 1.00 0.00	22.83 1.19 0.00	24.55 1.37 0.00	24.89 1.52 0.00	27.44 1.82 0.00	28.48 2.13 0.00	31.55 2.42 0.00	33.71 2.58 0.00	35.26 2.91 0.00	36.13 2.89 0.00	40.36 3.11 -0.17	44.96 3.29 0.00	45.40 3.17 0.00	41.04 2.79 0.00	40.55 2.76 0.00	35.29 2.43 0.00	32.45 2.24 0.00	30.06 2.02 0.00
PGE MADISON___WINDPWR 24146	25.95 1.70 0.00	23.89 1.33 0.00	21.90 1.16 0.00	21.11 1.14 0.00	21.07 1.15 0.00	22.11 1.23 0.00	23.28 1.50 0.00	23.03 1.39 0.00	24.52 1.34 0.00	25.06 1.68 0.00	27.56 1.85 -0.09	28.53 2.08 -0.11	31.71 2.36 -0.22	34.06 2.68 -0.25	35.17 2.56 -0.26	36.25 2.79 -0.22	40.64 3.22 -0.34	46.08 3.92 -0.50	47.01 4.31 -0.47	42.58 4.05 -0.28	42.13 4.08 -0.25	36.51 3.45 -0.20	33.59 3.08 -0.30	30.97 2.78 -0.15



PIERCEFIELD___HYD 23852	22.57 -1.63 0.06	21.52 -1.04 0.00	19.82 -0.91 0.00	19.13 -0.84 0.00	19.12 -0.80 0.00	20.13 -0.75 0.00	21.04 -0.74 0.00	20.91 -0.74 0.00	22.41 -0.76 0.00	22.58 -0.79 0.00	22.87 -1.54 1.22	24.60 -1.79 -0.05	27.17 -2.07 -0.10	29.16 -2.09 -0.12	30.15 -2.33 -0.12	30.78 -2.56 -0.11	34.49 -2.74 -0.16	38.78 -3.13 -0.23	39.46 -3.00 -0.22	35.93 -2.45 -0.13	35.50 -2.42 -0.12	30.65 -2.30 -0.09	28.45 -1.90 -0.14	26.26 -1.85 -0.07
PINELAWN_CC_1 323563	32.13 2.16 -5.71	28.88 1.76 -4.56	24.91 1.66 -2.51	22.77 1.56 -1.24	22.62 1.55 -1.15	23.38 1.59 -0.92	23.35 1.57 0.00	23.33 1.69 0.00	25.19 2.02 0.00	30.46 2.17 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.31 3.26 -4.91	38.74 3.21 -4.40	45.48 3.53 -9.60	38.14 3.32 -1.58	40.55 3.30 -0.18	44.58 2.92 0.00	45.07 2.83 0.00	40.77 2.52 0.00	40.33 2.53 0.00	35.52 2.66 0.00	32.90 2.69 0.00	30.48 2.44 0.00
PJM_GEN_HTTP_PROXY 323702	25.93 1.67 0.00	23.86 1.31 0.00	21.96 1.22 0.00	21.13 1.16 0.00	21.05 1.13 0.00	22.02 1.15 0.00	22.93 1.15 0.00	23.03 1.39 0.00	24.78 1.60 0.00	25.13 1.75 0.00	27.98 2.13 -0.23	28.59 2.48 0.23	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.56 3.32 0.00	40.89 3.64 -0.18	45.46 3.79 0.00	45.82 3.59 0.00	43.68 3.14 -2.30	38.63 3.14 2.30	35.65 2.79 0.00	32.75 2.54 0.00	30.36 2.33 0.00
PJM_GEN_KEystone 24065	24.88 0.63 0.00	22.87 0.32 0.00	20.94 0.21 0.00	20.05 0.08 0.00	19.97 0.06 0.00	20.94 0.06 0.00	22.02 0.24 0.00	21.94 0.30 0.00	23.53 0.35 0.00	23.89 0.51 0.00	26.70 0.84 -0.23	27.17 1.05 0.23	30.33 1.19 0.00	32.44 1.31 0.00	33.84 1.49 0.00	34.80 1.56 0.00	38.91 1.74 -0.09	43.54 1.88 0.00	44.01 1.77 0.00	41.96 1.42 -2.30	36.67 1.17 2.30	33.98 1.12 0.00	31.21 1.00 0.00	29.08 1.04 0.00
PJM_GEN_NEPTUNE_PROXY 323594	29.11 1.79 -3.06	26.47 1.47 -2.45	23.45 1.37 -1.35	21.93 1.30 -0.67	21.83 1.29 -0.62	22.66 1.29 -0.49	23.06 1.28 0.00	23.07 1.43 0.00	24.89 1.72 0.00	27.87 1.87 -2.63	29.40 2.20 -1.57	31.98 2.53 -3.11	34.62 2.86 -2.63	36.54 3.05 -2.36	40.89 3.40 -5.15	37.31 3.22 -0.85	40.48 3.22 -0.18	44.79 3.13 0.00	45.23 3.00 0.00	43.22 2.68 -2.30	38.07 2.57 2.30	35.43 2.56 0.00	32.57 2.36 0.00	30.17 2.13 0.00
PJM_GEN_VFT_PROXY 323633	25.86 1.60 0.00	23.77 1.22 0.00	21.92 1.18 0.00	21.07 1.10 0.00	21.01 1.09 0.00	21.96 1.08 0.00	22.89 1.11 0.00	23.01 1.36 0.00	24.76 1.58 0.00	25.10 1.73 0.00	27.95 2.10 -0.23	28.57 2.45 0.23	31.90 2.77 0.00	34.12 2.99 0.00	35.65 3.30 0.00	36.53 3.29 0.00	40.81 3.56 -0.18	45.37 3.71 0.00	45.78 3.55 0.00	43.61 3.06 -2.30	38.60 3.10 2.30	35.62 2.76 0.00	32.75 2.54 0.00	30.34 2.30 0.00
PLATSBURG_115KV_PMLD1 355749	23.43 -0.82 0.00	22.04 -0.52 0.00	20.30 -0.44 0.00	19.61 -0.36 0.00	19.62 -0.30 0.00	20.75 -0.13 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.54 0.16 0.00	25.44 -0.18 0.00	25.95 -0.40 0.00	28.61 -0.52 0.00	30.60 -0.53 0.00	31.64 -0.71 0.00	32.41 -0.83 0.00	36.19 -0.89 0.00	40.71 -0.96 0.00	41.60 -0.63 0.00	37.86 -0.38 0.00	37.38 -0.42 0.00	32.24 -0.62 0.00	29.79 -0.42 0.00	27.62 -0.42 0.00
PLEASANTVLY___LBMP 24000	25.44 1.19 0.00	23.57 1.01 0.00	21.71 0.97 0.00	20.89 0.92 0.00	20.83 0.92 0.00	21.80 0.92 0.00	22.67 0.89 0.00	22.66 1.02 0.00	24.34 1.16 0.00	24.54 1.17 0.00	27.08 1.46 0.00	28.08 1.74 0.00	31.11 1.98 0.00	33.25 2.12 0.00	34.75 2.39 0.00	35.66 2.43 0.00	39.91 2.63 -0.20	44.50 2.83 0.00	44.94 2.70 0.00	40.62 2.37 0.00	40.22 2.42 0.00	35.10 2.23 0.00	32.15 1.93 0.00	29.80 1.77 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	25.71 1.46 0.00	23.77 1.22 0.00	21.88 1.14 0.00	21.05 1.08 0.00	20.97 1.06 0.00	21.94 1.06 0.00	22.84 1.07 0.00	22.90 1.26 0.00	24.64 1.46 0.00	24.89 1.52 0.00	27.52 1.90 0.00	28.56 2.21 0.00	31.67 2.53 0.00	33.84 2.71 0.00	35.39 3.04 0.00	36.26 3.02 0.00	40.59 3.34 -0.18	45.25 3.58 0.00	45.66 3.42 0.00	41.27 3.02 0.00	40.82 3.02 0.00	35.62 2.76 0.00	32.63 2.42 0.00	30.22 2.19 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	25.71 1.46 0.00	23.77 1.22 0.00	21.88 1.14 0.00	21.05 1.08 0.00	20.97 1.06 0.00	21.94 1.06 0.00	22.84 1.07 0.00	22.90 1.26 0.00	24.64 1.46 0.00	24.89 1.52 0.00	27.52 1.90 0.00	28.56 2.21 0.00	31.67 2.53 0.00	33.84 2.71 0.00	35.39 3.04 0.00	36.26 3.02 0.00	40.59 3.34 -0.18	45.25 3.58 0.00	45.66 3.42 0.00	41.27 3.02 0.00	40.82 3.02 0.00	35.62 2.76 0.00	32.63 2.42 0.00	30.22 2.19 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	25.66 1.41 0.00	23.73 1.17 0.00	21.86 1.12 0.00	21.01 1.04 0.00	20.95 1.04 0.00	21.92 1.04 0.00	22.78 1.00 0.00	22.72 1.08 0.00	24.38 1.21 0.00	24.61 1.24 0.00	27.14 1.51 0.00	28.13 1.79 0.00	31.23 2.10 0.00	33.44 2.30 0.00	34.94 2.59 0.00	35.86 2.63 0.00	39.97 2.93 0.03	44.88 3.21 0.00	45.32 3.08 0.00	40.96 2.72 0.00	40.52 2.72 0.00	35.33 2.46 0.00	32.42 2.21 0.00	30.03 1.99 0.00
POLETTI_____ 23519	25.83 1.58 0.00	23.84 1.29 0.00	21.98 1.24 0.00	21.11 1.14 0.00	21.05 1.14 0.00	22.03 1.15 0.00	22.91 1.13 0.00	23.03 1.39 0.00	24.76 1.58 0.00	25.03 1.66 0.00	27.70 2.08 0.00	28.79 2.45 0.00	31.93 2.80 0.00	34.12 2.99 0.00	35.68 3.33 0.00	36.56 3.32 0.00	40.92 3.67 -0.18	45.58 3.92 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.08 3.29 0.00	35.85 2.99 0.00	32.87 2.66 0.00	30.48 2.44 0.00
POMONA___ESR 323819	25.69 1.43 0.00	23.68 1.13 0.00	21.77 1.04 0.00	20.95 0.98 0.00	20.89 0.98 0.00	21.86 0.98 0.00	22.73 0.96 0.00	22.79 1.15 0.00	24.50 1.32 0.00	24.82 1.45 0.00	27.37 1.74 0.00	28.40 2.06 0.00	31.46 2.33 0.00	33.65 2.52 0.00	35.20 2.85 0.00	36.10 2.86 0.00	40.31 3.08 -0.16	44.96 3.29 0.00	45.40 3.17 0.00	41.00 2.76 0.00	40.48 2.68 0.00	35.26 2.40 0.00	32.42 2.20 0.00	30.00 1.96 0.00
PORT_JEFF_3 23555	32.15 2.18 -5.71	28.92 1.81 -4.56	24.93 1.68 -2.51	22.81 1.60 -1.24	22.64 1.57 -1.15	23.40 1.61 -0.92	23.35 1.57 0.00	23.33 1.69 0.00	25.22 2.04 0.00	30.46 2.17 -4.91	30.77 2.64 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.41	45.71 3.75 -9.61	38.38 3.56 -1.59	40.79 3.52 -0.19	44.79 3.13 0.00	45.28 3.04 0.00	41.16 2.91 -0.01	40.48 2.68 0.00	35.62 2.76 0.00	32.81 2.60 0.00	30.48 2.44 0.00
PORT_JEFF_4 23616	32.15 2.18 -5.71	28.92 1.81 -4.56	24.93 1.68 -2.51	22.81 1.60 -1.24	22.64 1.57 -1.15	23.40 1.61 -0.92	23.35 1.57 0.00	23.33 1.69 0.00	25.22 2.04 0.00	30.46 2.17 -4.91	30.77 2.64 -2.51	35.47 2.90 -6.23	37.22 3.18 -4.91	38.96 3.42 -4.41	45.71 3.75 -9.61	38.38 3.56 -1.59	40.79 3.52 -0.19	44.79 3.13 0.00	45.28 3.04 0.00	41.16 2.91 -0.01	40.48 2.68 0.00	35.62 2.76 0.00	32.81 2.60 0.00	30.48 2.44 0.00



PORT_JEFF_IC 23713	32.10 2.13 -5.71	28.95 1.83 -4.56	24.97 1.72 -2.51	22.83 1.62 -1.24	22.68 1.61 -1.15	23.42 1.63 -0.92	23.37 1.59 0.00	23.35 1.71 0.00	25.24 2.06 0.00	30.43 2.15 -4.91	30.77 2.64 -2.51	35.55 2.98 -6.23	37.42 3.38 -4.91	39.25 3.70 -4.41	46.08 4.11 -9.62	38.98 4.15 -1.59	41.83 4.56 -0.19	45.75 4.08 0.00	46.21 3.97 0.00	42.12 3.86 -0.01	41.35 3.55 0.00	36.57 3.71 0.00	33.38 3.17 0.00	31.09 3.06 0.00
PPL PILGRIM_ST_GT1 24216	32.25 2.28 -5.71	29.04 1.92 -4.56	25.03 1.78 -2.51	22.91 1.70 -1.24	22.76 1.69 -1.15	23.53 1.73 -0.92	23.50 1.72 0.00	23.48 1.84 0.00	25.36 2.18 0.00	30.60 2.31 -4.91	30.85 2.71 -2.51	35.62 3.05 -6.23	37.42 3.38 -4.91	39.17 3.64 -4.40	45.97 4.01 -9.60	38.64 3.82 -1.58	40.93 3.67 -0.18	45.08 3.42 0.00	45.57 3.34 0.00	41.27 3.02 0.00	40.78 2.99 0.00	35.88 3.02 0.00	32.96 2.75 0.00	30.53 2.49 0.00
PPL PILGRIM_ST_GT2 24217	32.25 2.28 -5.71	29.04 1.92 -4.56	25.03 1.78 -2.51	22.91 1.70 -1.24	22.76 1.69 -1.15	23.53 1.73 -0.92	23.50 1.72 0.00	23.48 1.84 0.00	25.36 2.18 0.00	30.60 2.31 -4.91	30.85 2.71 -2.51	35.62 3.05 -6.23	37.42 3.38 -4.91	39.17 3.64 -4.40	45.97 4.01 -9.60	38.64 3.82 -1.58	40.93 3.67 -0.18	45.08 3.42 0.00	45.57 3.34 0.00	41.27 3.02 0.00	40.78 2.99 0.00	35.88 3.02 0.00	32.96 2.75 0.00	30.53 2.49 0.00
PPL_SHRM_GT3 24213	32.08 2.11 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.28 1.48 -0.92	23.21 1.44 0.00	23.18 1.54 0.00	25.06 1.88 0.00	30.32 2.03 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.51 3.69 -1.59	40.97 3.71 -0.19	45.08 3.42 0.00	45.62 3.38 0.00	41.35 3.10 -0.01	40.67 2.87 0.00	35.75 2.89 0.00	32.81 2.60 0.00	30.45 2.41 0.00
PPL_SHRM_GT4 24214	32.08 2.11 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.28 1.48 -0.92	23.21 1.44 0.00	23.18 1.54 0.00	25.06 1.88 0.00	30.32 2.03 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.51 3.69 -1.59	40.97 3.71 -0.19	45.08 3.42 0.00	45.62 3.38 0.00	41.35 3.10 -0.01	40.67 2.87 0.00	35.75 2.89 0.00	32.81 2.60 0.00	30.45 2.41 0.00
PROJECT___ORANGE 1 24174	24.25 0.00 0.00	22.46 -0.09 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.62 -0.15 0.00	21.45 -0.19 0.00	22.95 -0.23 0.00	23.24 -0.14 -0.01	25.73 0.00 -0.11	26.62 0.11 -0.17	29.65 0.17 -0.34	31.64 0.12 -0.38	32.85 0.10 -0.40	33.71 0.13 -0.34	37.74 0.15 -0.51	42.64 0.21 -0.76	43.16 0.21 -0.72	38.83 0.15 -0.43	38.29 0.11 -0.38	33.27 0.10 -0.31	30.70 0.03 -0.46	28.33 0.06 -0.23
PROJECT___ORANGE 2 24166	24.25 0.00 0.00	22.46 -0.09 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.62 -0.15 0.00	21.45 -0.19 0.00	22.95 -0.23 0.00	23.24 -0.14 -0.01	25.73 0.00 -0.11	26.62 0.11 -0.17	29.65 0.17 -0.34	31.64 0.12 -0.38	32.85 0.10 -0.40	33.71 0.13 -0.34	37.74 0.15 -0.51	42.64 0.21 -0.76	43.16 0.21 -0.72	38.83 0.15 -0.43	38.29 0.11 -0.38	33.27 0.10 -0.31	30.70 0.03 -0.46	28.33 0.06 -0.23
PUCKETT___SOLAR 323809	24.98 0.73 0.00	23.05 0.50 0.00	21.11 0.37 0.00	20.27 0.30 0.00	20.19 0.28 0.00	21.19 0.31 0.00	22.21 0.44 0.00	22.05 0.41 0.00	23.55 0.37 0.00	23.89 0.51 0.00	26.40 0.69 -0.09	27.26 0.82 -0.10	30.27 0.93 -0.21	32.37 1.00 -0.24	33.64 1.03 -0.25	34.61 1.16 -0.21	38.73 1.33 -0.32	43.81 1.67 -0.47	44.50 1.81 -0.45	40.16 1.64 -0.27	39.59 1.55 -0.24	34.43 1.38 -0.19	31.70 1.21 -0.28	29.31 1.12 -0.15
PYRITES___HYD 24023	23.10 -1.09 0.06	21.99 -0.56 0.00	20.26 -0.48 0.00	19.55 -0.42 0.00	19.56 -0.36 0.00	20.58 -0.29 0.00	21.54 -0.24 0.00	21.38 -0.26 0.00	22.85 -0.32 0.00	23.07 -0.30 0.00	23.27 -1.05 1.30	25.10 -1.29 -0.05	27.74 -1.49 -0.10	29.84 -1.40 -0.11	30.78 -1.68 -0.11	31.44 -1.89 -0.10	35.22 -2.00 -0.15	39.55 -2.33 -0.22	40.33 -2.11 -0.20	36.72 -1.64 -0.12	36.36 -1.55 -0.11	31.34 -1.61 -0.09	29.07 -1.27 -0.13	26.79 -1.32 -0.07
QUAKERRD_115KV_BK1 80622	23.89 -0.36 0.00	22.01 -0.54 0.00	20.07 -0.66 0.00	19.19 -0.78 0.00	19.10 -0.82 0.00	20.08 -0.79 0.00	21.21 -0.57 0.00	21.01 -0.63 0.00	22.46 -0.72 0.00	22.81 -0.56 0.00	25.34 -0.28 0.00	26.19 -0.16 0.00	29.02 -0.12 0.00	30.85 -0.28 0.00	32.09 -0.26 0.00	33.10 -0.13 0.00	37.00 -0.07 0.00	41.67 0.00 0.00	42.11 -0.13 0.00	37.98 -0.27 0.00	37.42 -0.38 0.00	32.37 -0.49 0.00	29.67 -0.54 0.00	27.67 -0.36 0.00
QUENSBRY_115KV_TB8 356137	25.54 1.29 0.00	23.77 1.22 0.00	21.75 1.02 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.86 0.98 0.00	22.73 0.96 0.00	22.44 0.80 0.00	24.18 1.00 0.00	24.38 1.00 0.00	26.55 0.92 0.00	27.50 1.16 0.00	30.30 1.17 0.00	32.35 1.21 0.00	33.87 1.52 0.00	34.93 1.70 0.00	38.65 1.74 0.17	44.00 2.33 0.00	45.15 2.91 0.00	41.08 2.83 0.00	40.71 2.91 0.00	35.42 2.56 0.00	32.36 2.15 0.00	29.94 1.91 0.00
RAMAPO___LBMP 323565	25.52 1.26 0.00	23.59 1.04 0.00	21.71 0.97 0.00	20.87 0.90 0.00	20.81 0.90 0.00	21.77 0.90 0.00	22.67 0.89 0.00	22.70 1.06 0.00	24.41 1.23 0.00	24.66 1.29 0.00	27.24 1.61 0.00	28.27 1.92 0.00	31.32 2.18 0.00	33.50 2.37 0.00	35.04 2.69 0.00	35.93 2.69 0.00	40.20 2.97 -0.16	44.83 3.17 0.00	45.28 3.04 0.00	40.88 2.64 0.00	40.40 2.61 0.00	35.26 2.40 0.00	32.36 2.15 0.00	29.94 1.91 0.00
RANKINE____ 23646	24.45 0.19 0.00	22.42 -0.14 0.00	20.34 -0.39 0.00	19.35 -0.62 0.00	19.20 -0.72 0.00	20.23 -0.65 0.00	21.62 -0.15 0.00	21.32 -0.32 0.00	22.74 -0.44 0.00	23.16 -0.21 0.00	26.01 0.38 0.00	26.87 0.53 0.00	29.83 0.70 0.00	31.75 0.62 0.00	33.00 0.65 0.00	34.13 0.90 0.00	38.04 0.96 0.00	42.75 1.08 0.00	43.16 0.93 0.00	38.86 0.61 0.00	37.95 0.15 0.00	32.89 0.03 0.00	30.15 -0.06 0.00	28.43 0.39 0.00
RAVENSWOOD_GT2_1 24244	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT2_2 24245	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.05 1.68 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00



RAVENSWOOD_GT2_3 24246	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.63 3.39 0.00	41.00 3.74 -0.18	45.67 4.00 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.95 3.09 0.00	32.96 2.75 0.00	30.53 2.50 0.00
RAVENSWOOD_GT2_4 24247	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.17 1.20 0.00	21.11 1.19 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.85 2.50 0.00	31.99 2.85 0.00	34.18 3.05 0.00	35.75 3.40 0.00	36.63 3.39 0.00	41.00 3.74 -0.18	45.67 4.00 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.95 3.09 0.00	32.96 2.75 0.00	30.53 2.50 0.00
RAVENSWOOD_GT3_1 24248	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT3_2 24249	25.88 1.63 0.00	23.91 1.35 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT3_3 24250	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.19 1.22 0.00	21.11 1.19 0.00	22.09 1.21 0.00	23.00 1.22 0.00	23.07 1.43 0.00	24.85 1.67 0.00	25.10 1.73 0.00	27.78 2.15 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.21 3.08 0.00	35.78 3.43 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.61 3.37 0.00	41.20 3.40 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.56 2.52 0.00
RAVENSWOOD_GT3_4 24251	25.90 1.65 0.00	23.93 1.38 0.00	22.04 1.31 0.00	21.19 1.22 0.00	21.11 1.19 0.00	22.09 1.21 0.00	23.00 1.22 0.00	23.07 1.43 0.00	24.85 1.67 0.00	25.10 1.73 0.00	27.78 2.15 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.21 3.08 0.00	35.78 3.43 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.75 4.08 0.00	46.08 3.84 0.00	41.61 3.37 0.00	41.20 3.40 0.00	35.98 3.12 0.00	32.99 2.78 0.00	30.56 2.52 0.00
RAVENSWOOD_GT_1 23729	26.01 1.75 -0.01	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.17 1.25 0.00	22.09 1.21 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.80 2.18 0.00	28.92 2.58 0.00	32.08 2.94 -0.01	35.10 3.18 -0.80	35.85 3.49 -0.01	36.69 3.46 0.00	41.04 3.78 -0.18	46.71 4.13 -0.91	49.63 3.84 -3.55	45.67 3.37 -4.06	49.49 3.44 -8.25	36.63 3.19 -0.59	33.11 2.87 -0.02	30.68 2.64 -0.01
RAVENSWOOD_GT_10 24258	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT_11 24259	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT_4 24252	25.85 1.60 0.01	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.76 3.02 -0.61	35.72 3.36 -0.01	36.59 3.36 0.00	40.97 3.71 -0.18	46.32 3.96 -0.70	48.70 3.76 -2.70	44.59 3.25 -3.09	47.41 3.33 -6.29	36.33 3.02 -0.45	32.91 2.69 -0.01	30.50 2.47 0.01
RAVENSWOOD_GT_5 24254	25.85 1.60 0.01	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.76 3.02 -0.61	35.72 3.36 -0.01	36.59 3.36 0.00	40.97 3.71 -0.18	46.32 3.96 -0.70	48.70 3.76 -2.70	44.59 3.25 -3.09	47.41 3.33 -6.29	36.33 3.02 -0.45	32.91 2.69 -0.01	30.50 2.47 0.01
RAVENSWOOD_GT_6 24253	25.85 1.60 0.01	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.76 3.02 -0.61	35.72 3.36 -0.01	36.59 3.36 0.00	40.97 3.71 -0.18	46.32 3.96 -0.70	48.70 3.76 -2.70	44.59 3.25 -3.09	47.41 3.33 -6.29	36.33 3.02 -0.45	32.91 2.69 -0.01	30.50 2.47 0.01
RAVENSWOOD_GT_7 24255	25.85 1.60 0.01	23.89 1.33 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.72 2.10 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.76 3.02 -0.61	35.72 3.36 -0.01	36.59 3.36 0.00	40.97 3.71 -0.18	46.32 3.96 -0.70	48.70 3.76 -2.70	44.59 3.25 -3.09	47.41 3.33 -6.29	36.33 3.02 -0.45	32.91 2.69 -0.01	30.50 2.47 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00
RAVENSWOOD_GT_9 24257	25.88 1.63 0.00	23.89 1.33 0.00	22.02 1.29 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.75 2.13 0.00	28.82 2.48 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.96 3.71 -0.18	45.67 4.00 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.12 3.33 0.00	35.92 3.06 0.00	32.93 2.72 0.00	30.50 2.47 0.00



RAVENSWOOD___1 23533	26.08 1.82 -0.01	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.17 1.26 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.83 1.65 0.00	25.17 1.80 0.00	27.83 2.20 0.00	28.93 2.58 0.00	32.07 2.94 0.00	34.31 3.18 0.00	35.81 3.46 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.63 3.96 0.00	45.99 3.76 0.00	41.54 3.29 0.00	41.08 3.29 0.00	35.85 2.99 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
RAVENSWOOD___2 23534	26.08 1.82 -0.01	23.98 1.42 0.00	22.07 1.33 0.00	21.23 1.26 0.00	21.15 1.24 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.93 2.58 0.00	32.05 2.91 0.00	34.27 3.14 0.00	35.81 3.46 0.00	36.66 3.42 0.00	41.00 3.74 -0.18	45.58 3.92 0.00	45.95 3.72 0.00	41.54 3.29 0.00	41.08 3.29 0.00	35.85 2.99 0.00	32.97 2.75 -0.01	30.54 2.49 -0.01
RAVENSWOOD___3 23535	25.98 1.72 0.00	23.91 1.35 0.00	22.00 1.27 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.78 2.15 0.00	28.85 2.50 0.00	31.96 2.83 0.00	34.15 3.02 0.00	35.72 3.36 0.00	36.59 3.36 0.00	40.92 3.67 -0.18	45.50 3.83 0.00	45.91 3.67 0.00	41.46 3.21 0.00	41.01 3.21 0.00	35.72 2.86 0.00	32.84 2.63 0.00	30.42 2.38 0.00
RAVENSWOOD___4 23820	26.06 1.79 -0.01	23.98 1.42 0.00	22.07 1.33 0.00	21.21 1.24 0.00	21.15 1.24 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.15 1.78 0.00	27.80 2.18 0.00	28.93 2.58 0.00	32.04 2.91 0.01	33.49 3.14 0.78	35.77 3.43 0.01	36.63 3.39 0.00	40.95 3.71 -0.17	44.68 3.92 0.90	42.46 3.72 3.50	37.54 3.29 4.00	32.95 3.29 8.13	35.24 2.96 0.58	32.95 2.75 0.01	30.54 2.49 -0.01
RCPL_TRUST___DRP 24196	25.88 1.63 0.00	23.91 1.35 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.78 2.15 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.18 3.05 0.00	35.78 3.43 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.88 3.02 0.00	32.90 2.69 0.00	30.50 2.47 0.00
RED___ROCHESTER 323720	24.62 0.36 0.00	22.60 0.05 0.00	20.59 -0.14 0.00	19.63 -0.34 0.00	19.53 -0.38 0.00	20.58 -0.29 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.14 0.51 0.00	26.95 0.61 0.00	29.89 0.76 0.00	31.85 0.72 0.00	33.10 0.74 0.00	34.23 1.00 0.00	38.45 1.37 0.00	43.25 1.58 0.00	43.63 1.39 0.00	39.24 0.99 0.00	38.63 0.83 0.00	33.65 0.79 0.00	30.67 0.45 0.00	28.74 0.70 0.00
REGAN___SOLAR 323812	26.99 2.74 0.00	25.04 2.48 0.00	22.83 2.09 0.00	21.99 2.02 0.00	21.89 1.97 0.00	22.96 2.09 0.00	23.93 2.16 0.00	23.52 1.88 0.00	25.31 2.13 0.00	25.62 2.24 0.00	28.21 2.59 0.00	29.19 2.85 0.00	32.37 3.23 0.00	34.56 3.42 0.00	36.26 3.91 0.00	37.53 4.29 0.00	41.45 4.48 0.11	47.58 5.91 0.00	48.99 6.76 0.00	44.48 6.24 0.00	43.73 5.93 0.00	37.85 4.99 0.00	34.62 4.41 0.00	31.93 3.90 0.00
RENSSELAER___COGEN 23796	24.79 0.53 0.00	23.34 0.79 0.00	21.46 0.73 0.00	20.69 0.72 0.00	20.63 0.72 0.00	21.57 0.69 0.00	22.43 0.65 0.00	22.27 0.63 0.00	23.87 0.69 0.00	23.82 0.44 0.00	26.09 0.46 0.00	26.95 0.61 0.00	29.68 0.55 0.00	31.72 0.59 0.00	33.10 0.74 0.00	34.03 0.80 0.00	37.74 0.81 0.15	42.63 0.96 0.00	43.21 0.97 0.00	39.16 0.92 0.00	38.70 0.91 0.00	33.65 0.79 0.00	30.91 0.70 0.00	28.65 0.62 0.00
REPUBLIC_115KV_BARTNBK 55605	26.95 2.69 0.00	25.08 2.53 0.00	22.87 2.14 0.00	22.03 2.06 0.00	21.93 2.01 0.00	22.99 2.11 0.00	23.89 2.11 0.00	23.44 1.80 0.00	25.38 2.20 0.00	25.62 2.24 0.00	27.96 2.33 0.00	29.08 2.74 0.00	32.02 2.88 0.00	34.18 3.05 0.00	35.91 3.56 0.00	37.06 3.82 0.00	40.99 4.08 0.17	46.83 5.17 0.00	48.11 5.87 0.00	43.87 5.62 0.00	43.31 5.52 0.00	37.89 5.03 0.00	34.50 4.29 0.00	31.85 3.81 0.00
REVERE_CPPR_DRP 24186	25.17 0.92 0.01	23.32 0.77 0.00	21.42 0.68 0.00	20.61 0.64 0.00	20.55 0.64 0.00	21.52 0.65 0.00	22.50 0.72 0.00	22.27 0.63 0.00	23.78 0.60 0.00	24.12 0.75 0.00	26.41 0.82 0.04	27.40 0.97 -0.08	30.41 1.11 -0.17	32.63 1.31 -0.19	33.82 1.26 -0.20	34.74 1.33 -0.17	38.93 1.59 -0.26	43.93 1.88 -0.38	44.67 2.07 -0.36	40.45 1.99 -0.22	39.99 2.00 -0.19	34.69 1.68 -0.15	31.89 1.45 -0.23	29.42 1.26 -0.12
REYNOLDS_115KV_TB3 80639	25.03 0.78 0.00	23.39 0.83 0.00	21.52 0.79 0.00	20.73 0.76 0.00	20.67 0.76 0.00	21.63 0.75 0.00	22.47 0.70 0.00	22.31 0.67 0.00	23.94 0.76 0.00	23.86 0.49 0.00	26.21 0.59 0.00	27.08 0.74 0.00	29.89 0.76 0.00	31.91 0.78 0.00	33.32 0.97 0.00	34.23 1.00 0.00	37.93 1.04 0.18	42.83 1.17 0.00	43.42 1.18 0.00	39.32 1.07 0.00	38.89 1.10 0.00	33.91 1.05 0.00	31.09 0.88 0.00	28.88 0.84 0.00
RIVERBAY____ 323610	26.37 2.11 -0.01	24.34 1.78 0.00	22.42 1.68 -0.01	21.54 1.56 -0.01	21.47 1.55 0.00	22.30 1.42 0.00	23.08 1.31 0.00	23.16 1.51 0.00	24.94 1.76 0.00	25.20 1.82 0.00	27.93 2.31 0.00	29.06 2.71 0.00	32.22 3.09 0.00	34.46 3.33 0.00	36.04 3.69 0.00	36.89 3.66 0.00	41.26 4.00 -0.18	46.04 4.38 0.00	46.37 4.14 0.00	41.88 3.63 0.00	41.54 3.74 0.00	36.38 3.52 0.00	33.48 3.26 -0.01	31.07 3.03 -0.01
RIVERSDE_115KV_TB3 55908	25.03 0.78 0.00	23.39 0.83 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.63 0.75 0.00	22.47 0.70 0.00	22.31 0.67 0.00	23.94 0.76 0.00	23.84 0.47 0.00	26.16 0.54 0.00	27.05 0.71 0.00	29.83 0.70 0.00	31.88 0.75 0.00	33.26 0.91 0.00	34.20 0.96 0.00	37.91 1.00 0.17	42.79 1.13 0.00	43.38 1.14 0.00	39.32 1.07 0.00	38.85 1.06 0.00	33.88 1.02 0.00	31.06 0.85 0.00	28.82 0.79 0.00
ROARING___BROOK_WT_PWR 323790	23.65 -0.61 0.00	22.10 -0.45 0.00	20.36 -0.37 0.00	19.69 -0.28 0.00	19.70 -0.22 0.00	20.71 -0.17 0.00	21.65 -0.13 0.00	21.53 -0.11 0.00	23.09 -0.09 0.00	23.23 -0.14 0.00	25.45 -0.21 -0.03	26.11 -0.24 0.00	28.84 -0.29 0.00	30.79 -0.34 0.00	31.96 -0.39 0.00	32.80 -0.43 0.00	36.59 -0.48 0.00	41.17 -0.50 0.00	41.77 -0.46 0.00	37.86 -0.38 0.00	37.46 -0.34 0.00	32.50 -0.36 0.00	29.88 -0.33 0.00	27.73 -0.31 0.00
ROCHESRG_115KV_T4 355643	24.30 0.05 0.00	22.37 -0.18 0.00	20.38 -0.35 0.00	19.45 -0.52 0.00	19.36 -0.56 0.00	20.36 -0.52 0.00	21.56 -0.22 0.00	21.34 -0.30 0.00	22.81 -0.37 0.00	23.16 -0.21 0.00	25.78 0.15 0.00	26.63 0.29 0.00	29.51 0.38 0.00	31.38 0.25 0.00	32.61 0.26 0.00	33.70 0.47 0.00	37.67 0.59 0.00	42.38 0.71 0.00	42.83 0.59 0.00	38.63 0.38 0.00	38.02 0.23 0.00	32.89 0.03 0.00	30.12 -0.09 0.00	28.12 0.08 0.00



ROCHESTER_9_IC 23652	24.45 0.19 0.00	22.49 -0.07 0.00	20.49 -0.25 0.00	19.55 -0.42 0.00	19.46 -0.46 0.00	20.46 -0.42 0.00	21.67 -0.11 0.00	21.47 -0.17 0.00	22.95 -0.23 0.00	23.33 -0.05 0.00	25.96 0.33 0.00	26.82 0.47 0.00	29.74 0.61 0.00	31.63 0.50 0.00	32.90 0.55 0.00	33.97 0.73 0.00	37.97 0.89 0.00	42.75 1.08 0.00	43.21 0.97 0.00	38.93 0.69 0.00	38.33 0.53 0.00	33.12 0.26 0.00	30.33 0.12 0.00	28.32 0.28 0.00
ROCKVIEW_13_KV_LD 356306	25.83 1.58 0.00	23.86 1.31 0.00	21.98 1.24 0.00	21.13 1.16 0.00	21.05 1.14 0.00	22.05 1.17 0.00	22.95 1.18 0.00	23.03 1.39 0.00	24.78 1.60 0.00	25.05 1.68 0.00	27.72 2.10 0.00	28.77 2.42 0.00	31.90 2.77 0.00	34.09 2.96 0.00	35.68 3.33 0.00	36.56 3.32 0.00	40.92 3.67 -0.18	45.58 3.92 0.00	45.99 3.76 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.92 3.06 0.00	32.87 2.66 0.00	30.45 2.41 0.00
ROME____115KV_TB2 80656	25.17 0.92 0.01	23.32 0.77 0.00	21.42 0.68 0.00	20.61 0.64 0.00	20.55 0.64 0.00	21.52 0.65 0.00	22.50 0.72 0.00	22.27 0.63 0.00	23.78 0.60 0.00	24.12 0.75 0.00	26.41 0.82 0.04	27.40 0.97 -0.08	30.41 1.11 -0.17	32.63 1.31 -0.19	33.82 1.26 -0.20	34.74 1.33 -0.17	38.93 1.59 -0.26	43.93 1.88 -0.38	44.67 2.07 -0.36	40.45 1.99 -0.22	39.99 2.00 -0.19	34.69 1.68 -0.15	31.89 1.45 -0.23	29.42 1.26 -0.12
ROSETON____1 23587	25.49 1.24 0.00	23.55 0.99 0.00	21.67 0.93 0.00	20.85 0.88 0.00	20.79 0.88 0.00	21.75 0.88 0.00	22.63 0.85 0.00	22.64 1.00 0.00	24.31 1.14 0.00	24.61 1.24 0.00	27.11 1.49 0.00	28.08 1.74 0.00	31.11 1.98 0.00	33.25 2.12 0.00	34.75 2.39 0.00	35.63 2.39 0.00	39.79 2.56 -0.16	44.42 2.75 0.00	44.85 2.62 0.00	40.58 2.33 0.00	40.10 2.31 0.00	34.90 2.04 0.00	32.05 1.84 0.00	29.72 1.68 0.00
ROSETON____2 23588	25.49 1.24 0.00	23.55 0.99 0.00	21.67 0.93 0.00	20.85 0.88 0.00	20.79 0.88 0.00	21.75 0.88 0.00	22.63 0.85 0.00	22.64 1.00 0.00	24.31 1.14 0.00	24.61 1.24 0.00	27.11 1.49 0.00	28.08 1.74 0.00	31.11 1.98 0.00	33.25 2.12 0.00	34.75 2.39 0.00	35.63 2.39 0.00	39.79 2.56 -0.16	44.42 2.75 0.00	44.85 2.62 0.00	40.58 2.33 0.00	40.10 2.31 0.00	34.90 2.04 0.00	32.05 1.84 0.00	29.72 1.68 0.00
ROTTDRAM_115KV_TB3 80664	25.06 0.80 0.00	23.30 0.74 0.00	21.40 0.66 0.00	20.61 0.64 0.00	20.55 0.64 0.00	21.52 0.65 0.00	22.39 0.61 0.00	22.23 0.58 0.00	23.85 0.67 0.00	24.00 0.63 0.00	26.34 0.72 0.00	27.24 0.90 0.00	30.09 0.96 0.00	32.16 1.03 0.00	33.58 1.23 0.00	34.53 1.30 0.00	38.32 1.37 0.13	43.29 1.63 0.00	43.97 1.73 0.00	39.85 1.61 0.00	39.42 1.63 0.00	34.31 1.45 0.00	31.45 1.24 0.00	29.16 1.12 0.00
RUSSELL____1 23602	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
RUSSELL____2 23532	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
RUSSELL____3 23549	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
RUSSELL____4 23556	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
RUSSELL____STATION 23914	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
S SALMON____HYD 24043	23.96 -0.29 0.01	22.19 -0.36 0.00	20.40 -0.33 0.00	19.63 -0.34 0.00	19.56 -0.36 0.00	20.46 -0.42 0.00	21.36 -0.41 0.00	21.14 -0.50 0.00	22.55 -0.62 0.00	22.90 -0.49 -0.02	25.39 -0.44 -0.20	26.37 -0.37 -0.40	29.55 -0.38 -0.80	31.67 -0.37 -0.91	32.88 -0.42 -0.95	33.62 -0.43 -0.81	37.81 -0.48 -1.22	43.01 -0.46 -1.80	43.60 -0.34 -1.70	39.04 -0.23 -1.02	38.52 -0.19 -0.91	33.46 -0.13 -0.73	31.14 -0.15 -1.08	28.40 -0.19 -0.55
S.PERRY__115KV_TB1 80734	25.23 0.97 0.00	23.16 0.61 0.00	21.09 0.35 0.00	20.13 0.16 0.00	20.03 0.12 0.00	21.13 0.25 0.00	22.34 0.57 0.00	22.05 0.41 0.00	23.41 0.23 0.00	23.77 0.40 0.00	26.44 0.82 0.00	27.27 0.92 0.00	30.24 1.11 0.00	32.13 1.00 0.00	33.42 1.07 0.00	34.77 1.53 0.00	38.89 1.82 0.00	44.00 2.33 0.00	44.64 2.41 0.00	40.50 2.26 0.00	40.06 2.27 0.00	34.63 1.77 0.00	31.63 1.42 0.00	29.55 1.51 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	24.25 0.00 0.00	22.22 -0.34 0.00	20.16 -0.58 0.00	19.17 -0.80 0.00	19.02 -0.90 0.00	20.02 -0.86 0.00	21.45 -0.33 0.00	21.12 -0.52 0.00	22.51 -0.67 0.00	22.90 -0.47 0.00	25.73 0.10 0.00	26.55 0.21 0.00	29.45 0.32 0.00	31.32 0.19 0.00	32.55 0.19 0.00	33.67 0.43 0.00	37.56 0.48 0.00	42.21 0.54 0.00	42.62 0.38 0.00	38.36 0.11 0.00	37.53 -0.26 0.00	32.53 -0.33 0.00	29.82 -0.39 0.00	28.12 0.08 0.00
SAWYER____23_KV_LOAD 55526	24.25 0.00 0.00	22.22 -0.34 0.00	20.16 -0.58 0.00	19.17 -0.80 0.00	19.02 -0.90 0.00	20.02 -0.86 0.00	21.45 -0.33 0.00	21.12 -0.52 0.00	22.51 -0.67 0.00	22.90 -0.47 0.00	25.73 0.10 0.00	26.55 0.21 0.00	29.45 0.32 0.00	31.32 0.19 0.00	32.55 0.19 0.00	33.67 0.43 0.00	37.56 0.48 0.00	42.21 0.54 0.00	42.62 0.38 0.00	38.36 0.11 0.00	37.53 -0.26 0.00	32.53 -0.33 0.00	29.82 -0.39 0.00	28.12 0.08 0.00



SELKIRK___I 23801	24.96 0.70 0.00	23.39 0.84 0.00	21.50 0.77 0.00	20.75 0.78 0.00	20.67 0.76 0.00	21.63 0.75 0.00	22.45 0.68 0.00	22.27 0.63 0.00	23.85 0.67 0.00	23.86 0.49 0.00	26.14 0.51 0.00	26.97 0.63 0.00	29.75 0.61 0.00	31.75 0.62 0.00	33.16 0.81 0.00	34.10 0.86 0.00	37.91 0.93 0.10	42.83 1.17 0.00	43.50 1.27 0.00	39.47 1.22 0.00	39.01 1.21 0.00	33.91 1.05 0.00	31.15 0.94 0.00	28.91 0.87 0.00
SELKIRK___II 23799	24.86 0.61 0.00	23.28 0.72 0.00	21.40 0.66 0.00	20.63 0.66 0.00	20.57 0.66 0.00	21.53 0.65 0.00	22.36 0.59 0.00	22.23 0.58 0.00	23.83 0.65 0.00	23.86 0.49 0.00	26.16 0.54 0.00	27.03 0.68 0.00	29.83 0.70 0.00	31.85 0.72 0.00	33.23 0.87 0.00	34.17 0.93 0.00	37.93 0.96 0.11	42.79 1.13 0.00	43.33 1.10 0.00	39.28 1.03 0.00	38.82 1.02 0.00	33.75 0.89 0.00	31.03 0.82 0.00	28.76 0.73 0.00
SENECA OSWGO___HYD 24041	24.03 -0.22 0.00	22.26 -0.29 0.00	20.45 -0.29 0.00	19.65 -0.32 0.00	19.56 -0.36 0.00	20.52 -0.36 0.00	21.43 -0.35 0.00	21.23 -0.41 0.00	22.69 -0.49 0.00	23.00 -0.40 -0.02	25.75 -0.31 -0.43	26.66 -0.24 -0.56	30.03 -0.23 -1.13	32.13 -0.28 -1.28	33.43 -0.26 -1.34	34.15 -0.23 -1.14	38.53 -0.26 -1.71	44.00 -0.21 -2.54	44.42 -0.21 -2.39	39.45 -0.23 -1.43	38.85 -0.23 -1.28	33.72 -0.16 -1.02	31.52 -0.21 -1.52	28.65 -0.17 -0.78
SENECA___115KV_TB3 355854	24.50 0.24 0.00	22.44 -0.11 0.00	20.38 -0.35 0.00	19.39 -0.58 0.00	19.24 -0.68 0.00	20.27 -0.61 0.00	21.67 -0.11 0.00	21.34 -0.30 0.00	22.79 -0.39 0.00	23.21 -0.16 0.00	26.06 0.44 0.00	26.92 0.58 0.00	29.89 0.76 0.00	31.82 0.68 0.00	33.06 0.71 0.00	34.20 0.96 0.00	38.11 1.04 0.00	42.83 1.17 0.00	43.25 1.01 0.00	38.93 0.69 0.00	38.02 0.23 0.00	32.96 0.10 0.00	30.21 0.00 0.00	28.49 0.45 0.00
SENECA___ENERGY 23797	24.45 0.19 0.00	22.53 -0.02 0.00	20.63 -0.10 0.00	19.77 -0.20 0.00	19.70 -0.22 0.00	20.71 -0.17 0.00	21.75 -0.02 0.00	21.60 -0.04 0.00	23.09 -0.09 0.00	23.45 0.07 -0.01	26.10 0.31 -0.16	26.98 0.42 -0.22	30.04 0.46 -0.45	32.07 0.44 -0.51	33.33 0.45 -0.53	34.25 0.56 -0.45	38.50 0.74 -0.68	43.63 0.96 -1.01	44.20 1.01 -0.95	39.58 0.76 -0.57	38.98 0.68 -0.51	33.92 0.66 -0.40	31.24 0.42 -0.60	28.85 0.51 -0.31
SHOEMAKER___GT 23640	25.37 1.12 0.00	23.43 0.88 0.00	21.54 0.81 0.00	20.75 0.78 0.00	20.67 0.76 0.00	21.65 0.77 0.00	22.49 0.72 0.00	22.46 0.82 0.00	24.08 0.90 0.00	24.38 1.00 0.00	26.83 1.20 0.00	27.79 1.45 0.00	30.79 1.66 0.00	32.94 1.80 0.00	34.39 2.04 0.00	35.30 2.06 0.00	39.48 2.26 -0.14	44.08 2.42 0.00	44.60 2.36 0.00	40.35 2.10 0.00	39.87 2.08 0.00	34.67 1.81 0.00	31.87 1.66 0.00	29.52 1.48 0.00
SHOEMAKR_138KV_BK 111 55601	25.32 1.07 0.00	23.43 0.88 0.00	21.55 0.81 0.00	20.73 0.76 0.00	20.67 0.76 0.00	21.63 0.75 0.00	22.50 0.72 0.00	22.46 0.82 0.00	24.11 0.93 0.00	24.35 0.98 0.00	26.85 1.23 0.00	27.79 1.45 0.00	30.82 1.69 0.00	32.97 1.84 0.00	34.42 2.07 0.00	35.36 2.13 0.00	39.55 2.34 -0.14	44.21 2.54 0.00	44.68 2.45 0.00	40.39 2.14 0.00	39.95 2.15 0.00	34.83 1.97 0.00	31.96 1.75 0.00	29.61 1.57 0.00
SHOREHAM_IC_1 23715	32.08 2.11 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.28 1.48 -0.92	23.21 1.44 0.00	23.18 1.54 0.00	25.06 1.88 0.00	30.32 2.03 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.51 3.69 -1.59	40.97 3.71 -0.19	45.08 3.42 0.00	45.62 3.38 0.00	41.35 3.10 -0.01	40.67 2.87 0.00	35.75 2.89 0.00	32.81 2.60 0.00	30.45 2.41 0.00
SHOREHAM_IC_2 23716	32.08 2.11 -5.71	28.81 1.69 -4.56	24.83 1.58 -2.51	22.71 1.50 -1.24	22.54 1.47 -1.15	23.28 1.48 -0.92	23.21 1.44 0.00	23.18 1.54 0.00	25.06 1.88 0.00	30.32 2.03 -4.91	30.69 2.56 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.51 3.69 -1.59	40.97 3.71 -0.19	45.08 3.42 0.00	45.62 3.38 0.00	41.35 3.10 -0.01	40.67 2.87 0.00	35.75 2.89 0.00	32.81 2.60 0.00	30.45 2.41 0.00
SISSONVILLE____ 23735	22.57 -1.63 0.06	21.52 -1.04 0.00	19.82 -0.91 0.00	19.13 -0.84 0.00	19.12 -0.80 0.00	20.13 -0.75 0.00	21.04 -0.74 0.00	20.91 -0.74 0.00	22.41 -0.76 0.00	22.58 -0.79 0.00	22.87 -1.54 1.22	24.60 -1.79 -0.05	27.17 -2.07 -0.10	29.16 -2.09 -0.12	30.15 -2.33 -0.12	30.78 -2.56 -0.11	34.49 -2.74 -0.16	38.78 -3.13 -0.23	39.46 -3.00 -0.22	35.93 -2.45 -0.13	35.50 -2.42 -0.12	30.65 -2.30 -0.09	28.45 -1.90 -0.14	26.26 -1.85 -0.07
SITHE_IND_GS1 24169	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.43 -0.54 0.00	19.36 -0.56 0.00	20.29 -0.58 0.00	21.21 -0.57 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.60 -0.70 0.07	23.58 -0.67 1.38	24.09 -0.63 1.62	25.19 -0.67 3.27	26.68 -0.75 3.70	27.69 -0.78 3.88	29.16 -0.76 3.31	31.29 -0.82 4.97	33.43 -0.88 7.36	34.36 -0.93 6.94	33.20 -0.88 4.16	33.22 -0.87 3.71	29.17 -0.72 2.97	25.08 -0.73 4.41	25.13 -0.64 2.26
SITHE_IND_GS2 24170	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.43 -0.54 0.00	19.36 -0.56 0.00	20.29 -0.58 0.00	21.21 -0.57 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.60 -0.70 0.07	23.58 -0.67 1.38	24.09 -0.63 1.62	25.19 -0.67 3.27	26.68 -0.75 3.70	27.69 -0.78 3.88	29.16 -0.76 3.31	31.29 -0.82 4.97	33.43 -0.88 7.36	34.36 -0.93 6.94	33.20 -0.88 4.16	33.22 -0.87 3.71	29.17 -0.72 2.97	25.08 -0.73 4.41	25.13 -0.64 2.26
SITHE_IND_GS3 24171	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.43 -0.54 0.00	19.36 -0.56 0.00	20.29 -0.58 0.00	21.21 -0.57 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.60 -0.70 0.07	23.58 -0.67 1.38	24.09 -0.63 1.62	25.19 -0.67 3.27	26.68 -0.75 3.70	27.69 -0.78 3.88	29.16 -0.76 3.31	31.29 -0.82 4.97	33.43 -0.88 7.36	34.36 -0.93 6.94	33.20 -0.88 4.16	33.22 -0.87 3.71	29.17 -0.72 2.97	25.08 -0.73 4.41	25.13 -0.64 2.26
SITHE_IND_GS4 24172	23.72 -0.53 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.43 -0.54 0.00	19.36 -0.56 0.00	20.29 -0.58 0.00	21.21 -0.57 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.60 -0.70 0.07	23.58 -0.67 1.38	24.09 -0.63 1.62	25.19 -0.67 3.27	26.68 -0.75 3.70	27.69 -0.78 3.88	29.16 -0.76 3.31	31.29 -0.82 4.97	33.43 -0.88 7.36	34.36 -0.93 6.94	33.20 -0.88 4.16	33.22 -0.87 3.71	29.17 -0.72 2.97	25.08 -0.73 4.41	25.13 -0.64 2.26
SITHE___BATAVIA 24024	24.86 0.61 0.00	22.67 0.11 0.00	20.61 -0.12 0.00	19.57 -0.40 0.00	19.49 -0.42 0.00	20.54 -0.33 0.00	21.89 0.11 0.00	21.60 -0.04 0.00	23.04 -0.14 0.00	23.47 0.09 0.00	26.26 0.64 0.00	27.08 0.74 0.00	30.04 0.90 0.00	31.97 0.84 0.00	33.23 0.87 0.00	34.40 1.16 0.00	38.71 1.63 0.00	43.54 1.88 0.00	43.93 1.69 0.00	39.47 1.22 0.00	38.74 0.95 0.00	33.81 0.95 0.00	30.82 0.60 0.00	29.05 1.01 0.00



SITHE___INDEPEND 23800	23.70 -0.56 0.00	21.99 -0.56 0.00	20.20 -0.54 0.00	19.43 -0.54 0.00	19.36 -0.56 0.00	20.29 -0.58 0.00	21.21 -0.57 0.00	20.99 -0.65 0.00	22.44 -0.74 0.00	22.58 -0.72 0.07	23.55 -0.69 1.38	24.09 -0.63 1.62	25.19 -0.67 3.27	26.68 -0.75 3.70	27.69 -0.78 3.88	29.16 -0.76 3.31	31.25 -0.85 4.97	33.39 -0.92 7.36	34.36 -0.93 6.94	33.20 -0.88 4.16	33.21 -0.87 3.71	29.14 -0.76 2.97	25.05 -0.76 4.41	25.10 -0.67 2.26
SITHE___MASSENA 23902	23.27 -0.90 0.09	22.17 -0.38 0.00	20.40 -0.33 0.00	19.67 -0.30 0.00	19.65 -0.26 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.47 -0.17 0.00	23.02 -0.16 0.00	22.86 -0.51 0.00	22.98 -0.79 1.85	25.32 -1.03 0.00	27.97 -1.17 0.00	29.95 -1.18 0.00	30.99 -1.36 0.00	31.71 -1.53 0.00	35.48 -1.59 0.00	39.88 -1.79 0.00	40.50 -1.73 0.00	36.79 -1.45 0.00	36.55 -1.25 0.00	31.55 -1.32 0.00	29.09 -1.12 0.00	26.97 -1.07 0.00
SITHE___OGDNSBRG 24021	23.29 -0.90 0.07	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.69 -0.22 0.00	20.73 -0.15 0.00	21.67 -0.11 0.00	21.49 -0.15 0.00	22.97 -0.21 0.00	23.16 -0.21 0.00	23.21 -0.92 1.49	25.16 -1.19 0.00	27.79 -1.34 0.00	29.82 -1.31 0.00	30.83 -1.52 0.00	31.54 -1.70 0.00	35.30 -1.78 0.00	39.63 -2.04 0.00	40.38 -1.86 0.00	36.87 -1.38 0.00	36.47 -1.32 0.00	31.48 -1.38 0.00	29.12 -1.09 0.00	26.92 -1.12 0.00
SITHE___STERLING 23777	25.05 0.80 0.00	23.19 0.63 0.00	21.30 0.56 0.00	20.49 0.52 0.00	20.41 0.50 0.00	21.40 0.52 0.00	22.36 0.59 0.00	22.16 0.52 0.00	23.67 0.49 0.00	24.01 0.63 0.00	26.35 0.72 -0.01	27.30 0.87 -0.09	30.31 0.99 -0.18	32.49 1.15 -0.21	33.70 1.13 -0.22	34.62 1.19 -0.19	38.76 1.41 -0.28	43.75 1.67 -0.41	44.40 1.77 -0.39	40.16 1.68 -0.23	39.71 1.70 -0.21	34.47 1.44 -0.17	31.70 1.24 -0.25	29.26 1.09 -0.13
SLEIGHT___34_KV_TB1 80719	24.30 0.05 0.00	22.40 -0.16 0.00	20.45 -0.29 0.00	19.57 -0.40 0.00	19.48 -0.44 0.00	20.48 -0.40 0.00	21.58 -0.20 0.00	21.40 -0.24 0.00	22.90 -0.28 0.00	23.26 -0.12 0.00	25.88 0.20 -0.05	26.75 0.34 -0.06	29.69 0.44 -0.12	31.61 0.34 -0.14	32.85 0.36 -0.15	33.83 0.47 -0.12	37.86 0.59 -0.19	42.74 0.79 -0.28	43.21 0.72 -0.26	38.90 0.50 -0.16	38.35 0.42 -0.14	33.20 0.23 -0.11	30.44 0.06 -0.17	28.29 0.17 -0.09
SOUTH CAIRO___GT 23612	25.83 1.58 0.00	24.13 1.58 0.00	22.17 1.43 0.00	21.35 1.38 0.00	21.27 1.35 0.00	22.30 1.42 0.00	23.08 1.31 0.00	22.66 1.02 0.00	24.20 1.02 0.00	24.05 0.68 0.00	26.26 0.64 0.00	27.11 0.76 0.00	30.04 0.90 0.00	32.16 1.03 0.00	33.61 1.26 0.00	34.67 1.43 0.00	38.72 1.71 0.06	43.92 2.25 0.00	44.73 2.49 0.00	40.66 2.41 0.00	40.25 2.46 0.00	34.96 2.10 0.00	32.08 1.87 0.00	29.66 1.63 0.00
SOUTH HAMPTN___IC 23720	32.49 2.52 -5.71	29.17 2.05 -4.56	25.14 1.89 -2.51	22.99 1.78 -1.24	22.82 1.75 -1.15	23.57 1.77 -0.92	23.50 1.72 0.00	23.44 1.80 0.00	25.38 2.20 0.00	30.69 2.41 -4.91	31.21 3.07 -2.51	36.10 3.53 -6.23	37.95 3.91 -4.91	39.77 4.23 -4.41	46.59 4.63 -9.61	39.25 4.42 -1.59	41.75 4.48 -0.19	45.96 4.29 0.00	46.50 4.26 0.00	42.12 3.86 -0.01	41.31 3.52 0.00	36.38 3.52 0.00	33.32 3.11 0.00	30.90 2.86 0.00
SOUTHDOW___115KV_TB1 355954	25.01 0.75 0.00	22.94 0.38 0.00	20.84 0.10 0.00	19.93 -0.04 0.00	19.79 -0.12 0.00	20.90 0.02 0.00	22.32 0.54 0.00	22.14 0.50 0.00	23.67 0.49 0.00	24.12 0.75 0.00	27.16 1.54 0.00	27.98 1.63 0.00	31.06 1.92 0.00	33.12 1.99 0.00	34.39 2.04 0.00	35.46 2.23 0.00	39.49 2.41 0.00	44.29 2.63 0.00	44.77 2.53 0.00	40.39 2.14 0.00	39.38 1.59 0.00	34.27 1.41 0.00	31.39 1.18 0.00	29.55 1.51 0.00
SOUTHOLD_69_KV_BK 2 55809	32.78 2.81 -5.71	29.49 2.37 -4.56	25.43 2.18 -2.51	23.23 2.02 -1.24	23.04 1.97 -1.15	23.78 1.98 -0.92	23.69 1.92 0.00	23.61 1.97 0.00	25.61 2.43 0.00	30.88 2.59 -4.91	31.54 3.41 -2.51	36.60 4.03 -6.23	38.59 4.54 -4.91	40.49 4.95 -4.41	47.37 5.40 -9.61	40.24 5.42 -1.59	43.23 5.97 -0.19	47.63 5.96 0.00	48.15 5.91 0.00	43.57 5.32 -0.01	42.56 4.76 0.00	37.72 4.86 0.00	34.20 3.99 0.00	31.82 3.79 0.00
SOUTHOLD___IC 23719	32.88 2.91 -5.71	29.49 2.37 -4.56	25.43 2.18 -2.51	23.23 2.02 -1.24	23.04 1.97 -1.15	23.78 1.98 -0.92	23.69 1.92 0.00	23.61 1.97 0.00	25.61 2.43 0.00	30.97 2.69 -4.91	31.59 3.46 -2.51	36.60 4.03 -6.23	38.47 4.43 -4.91	40.33 4.79 -4.41	47.17 5.21 -9.61	39.78 4.95 -1.59	42.38 5.12 -0.19	46.66 5.00 0.00	47.22 4.98 0.00	42.77 4.51 -0.01	41.88 4.08 0.00	36.90 4.04 0.00	33.71 3.50 0.00	31.26 3.22 0.00
SOUTH_FORK_WT_PWR 323839	32.83 2.86 -5.71	29.47 2.35 -4.56	25.39 2.14 -2.51	23.19 1.98 -1.24	22.98 1.91 -1.15	23.69 1.90 -0.92	23.58 1.81 0.00	23.50 1.86 0.00	25.50 2.32 0.00	30.85 2.57 -4.91	31.49 3.36 -2.51	36.47 3.90 -6.23	38.33 4.28 -4.91	40.18 4.64 -4.41	46.98 5.01 -9.61	39.58 4.75 -1.59	42.12 4.86 -0.19	46.37 4.71 0.00	46.96 4.73 0.00	42.54 4.28 -0.01	41.65 3.86 0.00	36.70 3.84 0.00	33.54 3.32 0.00	31.09 3.06 0.00
SPIERFLS_115KV_TB 1 80737	25.35 1.09 0.00	23.59 1.04 0.00	21.61 0.87 0.00	20.81 0.84 0.00	20.73 0.82 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.31 0.67 0.00	24.01 0.83 0.00	24.21 0.84 0.00	26.34 0.72 0.00	27.27 0.92 0.00	30.04 0.90 0.00	32.07 0.93 0.00	33.58 1.23 0.00	34.60 1.36 0.00	38.28 1.37 0.17	43.54 1.88 0.00	44.68 2.45 0.00	40.66 2.41 0.00	40.33 2.53 0.00	35.13 2.27 0.00	32.08 1.87 0.00	29.69 1.65 0.00
ST LAWRENCE____ 23600	23.53 -0.73 -0.01	22.08 -0.47 0.00	20.32 -0.41 0.00	19.59 -0.38 0.00	19.56 -0.36 0.00	20.56 -0.31 0.00	21.47 -0.30 0.00	21.36 -0.28 0.00	22.90 -0.28 0.00	22.95 -0.42 0.00	25.12 -0.64 -0.14	25.47 -0.87 0.00	28.14 -0.99 0.00	30.11 -1.03 0.00	31.15 -1.20 0.00	31.97 -1.26 0.00	35.71 -1.37 0.00	40.13 -1.54 0.00	40.76 -1.48 0.00	36.98 -1.26 0.00	36.62 -1.17 0.00	31.71 -1.15 0.00	29.24 -0.97 0.00	27.11 -0.92 0.00
STATE_CA_115KV_115_LB 55624	25.08 0.82 0.00	23.46 0.90 0.00	21.59 0.85 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.67 0.79 0.00	22.52 0.74 0.00	22.36 0.71 0.00	24.01 0.83 0.00	23.89 0.51 0.00	26.21 0.59 0.00	27.11 0.76 0.00	29.89 0.76 0.00	31.94 0.81 0.00	33.35 1.00 0.00	34.30 1.06 0.00	37.99 1.08 0.16	42.96 1.29 0.00	43.54 1.31 0.00	39.47 1.22 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.15 0.94 0.00	28.88 0.84 0.00
STATE_ST_34_KV_LOAD 55959	24.54 0.29 0.00	22.69 0.14 0.00	20.78 0.04 0.00	19.97 0.00 0.00	19.89 -0.02 0.00	20.90 0.02 0.00	21.89 0.11 0.00	21.73 0.09 0.00	23.25 0.07 0.00	23.57 0.19 -0.01	26.23 0.41 -0.19	27.13 0.53 -0.26	30.29 0.64 -0.52	32.31 0.59 -0.59	33.58 0.61 -0.62	34.46 0.70 -0.53	38.68 0.82 -0.79	43.88 1.04 -1.17	44.43 1.10 -1.10	39.82 0.92 -0.66	39.29 0.91 -0.59	34.12 0.79 -0.47	31.45 0.54 -0.70	28.93 0.53 -0.36



STATION 5_MISC_HYD 23604	24.50 0.24 0.00	22.49 -0.07 0.00	20.51 -0.23 0.00	19.55 -0.42 0.00	19.46 -0.46 0.00	20.48 -0.40 0.00	21.67 -0.11 0.00	21.47 -0.17 0.00	22.95 -0.23 0.00	23.33 -0.05 0.00	25.98 0.36 0.00	26.79 0.45 0.00	29.68 0.55 0.00	31.63 0.50 0.00	32.87 0.52 0.00	34.00 0.77 0.00	38.15 1.08 0.00	42.92 1.25 0.00	43.29 1.06 0.00	38.93 0.69 0.00	38.36 0.57 0.00	33.42 0.56 0.00	30.48 0.27 0.00	28.57 0.53 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	24.59 0.34 0.00	22.65 0.09 0.00	20.65 -0.08 0.00	19.77 -0.20 0.00	19.67 -0.24 0.00	20.71 -0.17 0.00	21.84 0.07 0.00	21.68 0.04 0.00	23.18 0.00 0.00	23.56 0.19 0.00	26.22 0.54 -0.06	27.12 0.71 -0.07	30.08 0.82 -0.13	32.03 0.75 -0.15	33.28 0.78 -0.16	34.33 0.96 -0.13	38.39 1.11 -0.20	43.34 1.38 -0.30	43.82 1.31 -0.28	39.45 1.03 -0.17	38.85 0.91 -0.15	33.60 0.62 -0.12	30.81 0.42 -0.18	28.66 0.53 -0.09
STA_56_34_KV_BUS2_REV_LBMP_B 345033	24.33 0.07 0.00	22.37 -0.18 0.00	20.38 -0.35 0.00	19.47 -0.50 0.00	19.38 -0.54 0.00	20.38 -0.50 0.00	21.56 -0.22 0.00	21.38 -0.26 0.00	22.85 -0.32 0.00	23.23 -0.14 0.00	25.85 0.23 0.00	26.71 0.37 0.00	29.63 0.50 0.00	31.51 0.37 0.00	32.74 0.39 0.00	33.80 0.57 0.00	37.82 0.74 0.00	42.58 0.92 0.00	43.00 0.76 0.00	38.74 0.50 0.00	38.17 0.38 0.00	32.99 0.13 0.00	30.21 0.00 0.00	28.18 0.14 0.00
STA_56___34_KV_BUS2 355983	24.33 0.07 0.00	22.37 -0.18 0.00	20.38 -0.35 0.00	19.47 -0.50 0.00	19.38 -0.54 0.00	20.38 -0.50 0.00	21.56 -0.22 0.00	21.38 -0.26 0.00	22.85 -0.32 0.00	23.23 -0.14 0.00	25.85 0.23 0.00	26.71 0.37 0.00	29.63 0.50 0.00	31.51 0.37 0.00	32.74 0.39 0.00	33.80 0.57 0.00	37.82 0.74 0.00	42.58 0.92 0.00	43.00 0.76 0.00	38.74 0.50 0.00	38.17 0.38 0.00	32.99 0.13 0.00	30.21 0.00 0.00	28.18 0.14 0.00
STA_67___115KV_BK2 355882	24.40 0.15 0.00	22.44 -0.11 0.00	20.45 -0.29 0.00	19.51 -0.46 0.00	19.42 -0.50 0.00	20.42 -0.46 0.00	21.62 -0.15 0.00	21.42 -0.22 0.00	22.88 -0.30 0.00	23.26 -0.12 0.00	25.91 0.28 0.00	26.74 0.40 0.00	29.66 0.52 0.00	31.54 0.40 0.00	32.77 0.42 0.00	33.87 0.63 0.00	37.86 0.78 0.00	42.63 0.96 0.00	43.04 0.80 0.00	38.82 0.57 0.00	38.21 0.42 0.00	33.02 0.16 0.00	30.24 0.03 0.00	28.26 0.22 0.00
STA_7___115KV_9TRANS 80674	24.59 0.34 0.00	22.60 0.05 0.00	20.59 -0.15 0.00	19.63 -0.34 0.00	19.54 -0.38 0.00	20.56 -0.31 0.00	21.75 -0.02 0.00	21.58 -0.06 0.00	23.06 -0.12 0.00	23.47 0.09 0.00	26.11 0.49 0.00	27.00 0.66 0.00	29.95 0.82 0.00	31.85 0.72 0.00	33.13 0.78 0.00	34.20 0.96 0.00	38.26 1.19 0.00	43.08 1.42 0.00	43.50 1.27 0.00	39.20 0.96 0.00	38.59 0.79 0.00	33.35 0.49 0.00	30.51 0.30 0.00	28.49 0.45 0.00
STA_82___115KV_TB1 80780	24.40 0.15 0.00	22.46 -0.09 0.00	20.45 -0.29 0.00	19.53 -0.44 0.00	19.42 -0.50 0.00	20.44 -0.44 0.00	21.65 -0.13 0.00	21.42 -0.22 0.00	22.90 -0.28 0.00	23.28 -0.09 0.00	25.91 0.28 0.00	26.76 0.42 0.00	29.66 0.52 0.00	31.54 0.40 0.00	32.80 0.45 0.00	33.87 0.63 0.00	37.86 0.78 0.00	42.63 0.96 0.00	43.08 0.84 0.00	38.82 0.57 0.00	38.25 0.45 0.00	33.06 0.20 0.00	30.27 0.06 0.00	28.26 0.22 0.00
STEEL___WIND 323596	24.55 0.29 0.00	22.42 -0.13 0.00	20.38 -0.35 0.00	19.35 -0.62 0.00	19.22 -0.70 0.00	20.27 -0.61 0.00	21.65 -0.13 0.00	21.34 -0.30 0.00	22.76 -0.42 0.00	23.18 -0.19 0.00	26.03 0.41 0.00	26.84 0.50 0.00	29.77 0.64 0.00	31.79 0.65 0.00	33.03 0.68 0.00	34.20 0.96 0.00	38.30 1.22 0.00	43.04 1.37 0.00	43.38 1.14 0.00	38.90 0.65 0.00	38.02 0.23 0.00	33.22 0.36 0.00	30.45 0.24 0.00	28.71 0.67 0.00
STEPHTWN_115KV_BK_2 55603	25.20 0.95 0.00	23.57 1.01 0.00	21.67 0.93 0.00	20.89 0.92 0.00	20.81 0.90 0.00	21.77 0.90 0.00	22.65 0.87 0.00	22.46 0.82 0.00	24.11 0.93 0.00	23.98 0.61 0.00	26.34 0.72 0.00	27.21 0.87 0.00	30.01 0.87 0.00	32.07 0.93 0.00	33.48 1.13 0.00	34.47 1.23 0.00	38.22 1.30 0.15	43.25 1.58 0.00	43.84 1.60 0.00	39.74 1.49 0.00	39.27 1.47 0.00	34.21 1.35 0.00	31.33 1.12 0.00	29.05 1.01 0.00
STEUBEN_REC_LFGE 323667	24.76 0.51 0.00	22.76 0.20 0.00	20.74 0.00 0.00	19.87 -0.10 0.00	19.77 -0.14 0.00	20.84 -0.04 0.00	22.15 0.37 0.00	21.97 0.32 0.00	23.50 0.32 0.00	23.91 0.54 0.00	26.77 1.08 -0.07	27.72 1.29 -0.08	30.78 1.49 -0.16	32.78 1.46 -0.19	34.07 1.52 -0.19	35.10 1.70 -0.17	39.25 1.93 -0.25	44.41 2.38 -0.37	45.03 2.45 -0.35	40.48 2.03 -0.21	39.72 1.74 -0.19	34.49 1.48 -0.15	31.58 1.15 -0.22	29.52 1.37 -0.11
STILLWATER___SOLAR 323814	25.44 1.19 0.00	23.66 1.10 0.00	21.71 0.97 0.00	20.93 0.96 0.00	20.85 0.94 0.00	21.82 0.94 0.00	22.69 0.91 0.00	22.46 0.82 0.00	24.13 0.95 0.00	24.31 0.94 0.00	26.62 1.00 0.00	27.53 1.19 0.00	30.38 1.25 0.00	32.44 1.31 0.00	33.90 1.55 0.00	34.93 1.69 0.00	38.67 1.78 0.18	43.87 2.21 0.00	44.68 2.45 0.00	40.54 2.29 0.00	40.14 2.34 0.00	34.90 2.04 0.00	31.99 1.78 0.00	29.63 1.60 0.00
STONY___BROOK 24151	32.23 2.26 -5.71	28.99 1.87 -4.56	24.99 1.74 -2.51	22.85 1.64 -1.24	22.70 1.63 -1.15	23.44 1.65 -0.92	23.41 1.63 0.00	23.39 1.75 0.00	25.29 2.11 0.00	30.55 2.27 -4.91	30.88 2.74 -2.51	35.62 3.05 -6.23	37.42 3.38 -4.91	39.18 3.64 -4.41	45.98 4.01 -9.62	38.68 3.85 -1.59	41.12 3.86 -0.19	45.04 3.37 0.00	45.53 3.30 0.00	41.47 3.21 -0.02	40.78 2.99 0.00	35.85 2.99 0.00	32.96 2.75 0.00	30.59 2.55 0.00
STURGEON_POOL_HYD 23609	25.56 1.31 0.00	23.57 1.01 0.00	21.73 1.00 0.00	20.89 0.92 0.00	20.83 0.92 0.00	21.80 0.92 0.00	22.65 0.87 0.00	22.66 1.02 0.00	24.32 1.14 0.00	24.61 1.24 0.00	27.19 1.56 0.00	28.19 1.84 0.00	31.38 2.24 0.00	33.53 2.40 0.00	35.07 2.72 0.00	35.96 2.73 0.00	40.19 3.04 -0.08	44.92 3.25 0.00	45.28 3.04 0.00	40.88 2.64 0.00	40.44 2.65 0.00	35.33 2.46 0.00	32.42 2.21 0.00	30.00 1.96 0.00
ST_LAW_115_BK7_LBMP 345037	23.44 -0.82 -0.01	22.04 -0.52 0.00	20.28 -0.46 0.00	19.57 -0.40 0.00	19.53 -0.38 0.00	20.54 -0.33 0.00	21.45 -0.33 0.00	21.34 -0.30 0.00	22.88 -0.30 0.00	22.88 -0.49 0.00	25.05 -0.74 -0.17	25.40 -0.95 0.00	28.06 -1.08 0.00	30.01 -1.12 0.00	31.06 -1.30 0.00	31.84 -1.39 0.00	35.55 -1.52 0.00	39.96 -1.71 0.00	40.59 -1.65 0.00	36.83 -1.41 0.00	36.47 -1.32 0.00	31.61 -1.25 0.00	29.15 -1.06 0.00	27.03 -1.01 0.00
ST_LAW_115_BK8_LBMP 345038	23.44 -0.82 -0.01	22.04 -0.52 0.00	20.28 -0.46 0.00	19.57 -0.40 0.00	19.53 -0.38 0.00	20.54 -0.33 0.00	21.45 -0.33 0.00	21.34 -0.30 0.00	22.88 -0.30 0.00	22.88 -0.49 0.00	25.05 -0.74 -0.17	25.40 -0.95 0.00	28.06 -1.08 0.00	30.01 -1.12 0.00	31.06 -1.30 0.00	31.84 -1.39 0.00	35.55 -1.52 0.00	39.96 -1.71 0.00	40.59 -1.65 0.00	36.83 -1.41 0.00	36.47 -1.32 0.00	31.61 -1.25 0.00	29.15 -1.06 0.00	27.03 -1.01 0.00



ST_LAW_230_BK5_LBMP 345035	23.53 -0.73 0.00	22.08 -0.47 0.00	20.32 -0.41 0.00	19.59 -0.38 0.00	19.56 -0.36 0.00	20.56 -0.31 0.00	21.47 -0.30 0.00	21.36 -0.28 0.00	22.90 -0.28 0.00	22.95 -0.42 0.00	25.09 -0.64 -0.10	25.47 -0.87 0.00	28.14 -0.99 0.00	30.11 -1.03 0.00	31.15 -1.20 0.00	31.97 -1.26 0.00	35.71 -1.37 0.00	40.13 -1.54 0.00	40.76 -1.48 0.00	36.98 -1.26 0.00	36.62 -1.17 0.00	31.71 -1.15 0.00	29.24 -0.97 0.00	27.11 -0.92 0.00
ST_LAW_230_BK6_LBMP 345036	23.53 -0.73 0.00	22.08 -0.47 0.00	20.32 -0.41 0.00	19.59 -0.38 0.00	19.56 -0.36 0.00	20.56 -0.31 0.00	21.47 -0.30 0.00	21.36 -0.28 0.00	22.90 -0.28 0.00	22.95 -0.42 0.00	25.09 -0.64 -0.10	25.47 -0.87 0.00	28.14 -0.99 0.00	30.11 -1.03 0.00	31.15 -1.20 0.00	31.97 -1.26 0.00	35.71 -1.37 0.00	40.13 -1.54 0.00	40.76 -1.48 0.00	36.98 -1.26 0.00	36.62 -1.17 0.00	31.71 -1.15 0.00	29.24 -0.97 0.00	27.11 -0.92 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	25.44 1.19 0.00	23.53 0.97 0.00	21.65 0.91 0.00	20.83 0.86 0.00	20.77 0.86 0.00	21.73 0.86 0.00	22.60 0.83 0.00	22.59 0.95 0.00	24.27 1.09 0.00	24.52 1.15 0.00	27.06 1.43 0.00	28.06 1.71 0.00	31.11 1.98 0.00	33.28 2.15 0.00	34.78 2.43 0.00	35.70 2.46 0.00	39.93 2.71 -0.15	44.58 2.92 0.00	45.02 2.79 0.00	40.69 2.45 0.00	40.22 2.42 0.00	35.10 2.23 0.00	32.18 1.96 0.00	29.80 1.77 0.00
SWANROAD_115KV_TB1 355699	23.82 -0.44 0.00	21.83 -0.72 0.00	19.82 -0.91 0.00	18.83 -1.14 0.00	18.60 -1.31 0.00	19.67 -1.21 0.00	21.06 -0.72 0.00	20.65 -1.00 0.00	22.00 -1.18 0.00	22.39 -0.98 0.00	25.14 -0.49 0.00	25.95 -0.40 0.00	28.75 -0.38 0.00	30.51 -0.62 0.00	31.74 -0.61 0.00	32.84 -0.40 0.00	36.67 -0.41 0.00	41.21 -0.46 0.00	41.60 -0.63 0.00	37.44 -0.80 0.00	36.66 -1.13 0.00	31.74 -1.12 0.00	29.12 -1.09 0.00	27.48 -0.56 0.00
SYNERGY___BIOGAS 323694	24.86 0.61 0.00	22.67 0.11 0.00	20.61 -0.12 0.00	19.57 -0.40 0.00	19.49 -0.42 0.00	20.54 -0.33 0.00	21.89 0.11 0.00	21.60 -0.04 0.00	23.04 -0.14 0.00	23.47 0.09 0.00	26.26 0.64 0.00	27.08 0.74 0.00	30.04 0.90 0.00	31.97 0.84 0.00	33.23 0.87 0.00	34.40 1.16 0.00	38.71 1.63 0.00	43.54 1.88 0.00	43.93 1.69 0.00	39.47 1.22 0.00	38.74 0.95 0.00	33.81 0.95 0.00	30.82 0.60 0.00	29.05 1.01 0.00
SYRACUSE___ENERGY_ST1 323597	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 -0.01	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43
SYRACUSE___ENERGY_ST2 323598	24.35 0.10 0.00	22.53 -0.02 0.00	20.67 -0.06 0.00	19.87 -0.10 0.00	19.79 -0.12 0.00	20.75 -0.13 0.00	21.69 -0.09 0.00	21.51 -0.13 0.00	23.02 -0.16 0.00	23.32 -0.07 -0.01	25.93 0.08 -0.23	26.84 0.18 -0.31	29.99 0.23 -0.62	32.05 0.22 -0.70	33.32 0.23 -0.74	34.10 0.23 -0.63	38.28 0.26 -0.95	43.44 0.38 -1.40	43.98 0.42 -1.32	39.34 0.31 -0.79	38.81 0.30 -0.71	33.72 0.30 -0.56	31.20 0.15 -0.84	28.64 0.17 -0.43
SYRACUSE___POWER 24017	24.23 -0.02 0.00	22.44 -0.11 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.60 -0.17 0.00	21.45 -0.19 0.00	22.95 -0.23 0.00	23.22 -0.16 -0.01	25.77 0.00 -0.14	26.66 0.11 -0.21	29.70 0.15 -0.42	31.73 0.12 -0.47	32.95 0.10 -0.50	33.79 0.13 -0.42	37.86 0.15 -0.64	42.82 0.21 -0.94	43.33 0.21 -0.89	38.93 0.15 -0.53	38.42 0.15 -0.48	33.37 0.13 -0.38	30.81 0.03 -0.56	28.38 0.06 -0.29
TALLMAN___138KV_BK151 55660	25.59 1.33 0.00	23.66 1.11 0.00	21.77 1.04 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.84 0.96 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.75 1.38 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.46 2.33 0.00	33.65 2.52 0.00	35.17 2.81 0.00	36.06 2.83 0.00	40.35 3.11 -0.16	45.04 3.38 0.00	45.44 3.21 0.00	41.04 2.79 0.00	40.56 2.76 0.00	35.39 2.53 0.00	32.48 2.27 0.00	30.06 2.02 0.00
TEALLAVE_115KV_TB7 355573	24.23 -0.02 0.00	22.44 -0.11 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.60 -0.17 0.00	21.45 -0.19 0.00	22.92 -0.25 0.00	23.22 -0.16 -0.01	25.70 -0.03 -0.11	26.59 0.08 -0.17	29.62 0.15 -0.34	31.64 0.12 -0.38	32.85 0.10 -0.40	33.71 0.13 -0.34	37.70 0.11 -0.52	42.64 0.21 -0.76	43.12 0.17 -0.72	38.79 0.11 -0.43	38.29 0.11 -0.38	33.27 0.10 -0.31	30.70 0.03 -0.46	28.33 0.06 -0.23
TELGRAPH_34_KV_EAST 80808	24.42 0.17 0.00	22.37 -0.18 0.00	20.30 -0.44 0.00	19.29 -0.68 0.00	19.12 -0.80 0.00	20.19 -0.69 0.00	21.58 -0.20 0.00	21.23 -0.41 0.00	22.65 -0.53 0.00	23.07 -0.30 0.00	25.85 0.23 0.00	26.71 0.37 0.00	29.63 0.50 0.00	31.47 0.34 0.00	32.71 0.36 0.00	33.87 0.63 0.00	37.82 0.74 0.00	42.54 0.88 0.00	42.95 0.72 0.00	38.67 0.42 0.00	37.91 0.11 0.00	32.76 -0.10 0.00	30.03 -0.18 0.00	28.26 0.22 0.00
TEMPLE___115KV_TB 2 55572	24.25 0.00 0.00	22.46 -0.09 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.62 -0.15 0.00	21.45 -0.19 0.00	22.95 -0.23 0.00	23.24 -0.14 -0.01	25.73 0.00 -0.11	26.62 0.11 -0.17	29.65 0.17 -0.34	31.64 0.12 -0.38	32.85 0.10 -0.40	33.71 0.13 -0.34	37.74 0.15 -0.51	42.64 0.21 -0.76	43.16 0.21 -0.72	38.83 0.15 -0.43	38.29 0.11 -0.38	33.27 0.10 -0.31	30.70 0.03 -0.46	28.33 0.06 -0.23
TIANA___69_KV_BK 1 55817	32.30 2.33 -5.71	29.10 1.98 -4.56	25.10 1.85 -2.51	22.95 1.74 -1.24	22.78 1.71 -1.15	23.53 1.73 -0.92	23.45 1.68 0.00	23.42 1.77 0.00	25.34 2.16 0.00	30.57 2.29 -4.91	31.05 2.92 -2.51	36.02 3.45 -6.23	37.95 3.90 -4.91	39.80 4.27 -4.41	46.65 4.69 -9.61	39.54 4.72 -1.59	42.49 5.23 -0.19	46.79 5.13 0.00	47.26 5.03 0.00	42.81 4.55 -0.01	41.92 4.12 0.00	37.13 4.27 0.00	33.75 3.53 0.00	31.37 3.34 0.00
TILDEN___115KV_TB1 80814	24.23 -0.02 0.00	22.44 -0.11 0.00	20.59 -0.15 0.00	19.79 -0.18 0.00	19.71 -0.20 0.00	20.67 -0.21 0.00	21.60 -0.17 0.00	21.45 -0.19 0.00	22.95 -0.23 0.00	23.22 -0.16 -0.01	25.77 0.00 -0.14	26.66 0.11 -0.21	29.70 0.15 -0.42	31.73 0.12 -0.47	32.95 0.10 -0.50	33.79 0.13 -0.42	37.86 0.15 -0.64	42.82 0.21 -0.94	43.33 0.21 -0.89	38.93 0.15 -0.53	38.42 0.15 -0.48	33.37 0.13 -0.38	30.81 0.03 -0.56	28.38 0.06 -0.29
TRIGEN___CC 323695	31.81 1.84 -5.71	28.68 1.56 -4.56	24.70 1.45 -2.51	22.57 1.36 -1.24	22.42 1.35 -1.15	23.17 1.38 -0.92	23.15 1.37 0.00	23.16 1.51 0.00	24.99 1.81 0.00	30.15 1.87 -4.91	30.44 2.31 -2.51	35.23 2.66 -6.23	37.05 3.00 -4.91	38.76 3.24 -4.40	45.54 3.59 -9.60	38.40 3.59 -1.58	41.22 3.97 -0.18	45.58 3.92 0.00	45.99 3.76 0.00	41.57 3.33 0.00	41.01 3.21 0.00	36.15 3.29 0.00	33.05 2.84 0.00	30.67 2.64 0.00



TRINITY__115KV__4 BK 55933	24.98 0.73 0.00	23.37 0.81 0.00	21.50 0.77 0.00	20.73 0.76 0.00	20.67 0.76 0.00	21.61 0.73 0.00	22.45 0.68 0.00	22.29 0.65 0.00	23.92 0.74 0.00	23.79 0.42 0.00	26.11 0.49 0.00	26.98 0.63 0.00	29.74 0.61 0.00	31.79 0.65 0.00	33.16 0.81 0.00	34.10 0.86 0.00	37.81 0.89 0.15	42.71 1.04 0.00	43.25 1.01 0.00	39.20 0.96 0.00	38.78 0.98 0.00	33.78 0.92 0.00	30.97 0.76 0.00	28.74 0.70 0.00
UNION__PROCESSING_DRP 323587	24.42 0.17 0.00	22.46 -0.09 0.00	20.47 -0.27 0.00	19.53 -0.44 0.00	19.44 -0.48 0.00	20.44 -0.44 0.00	21.65 -0.13 0.00	21.45 -0.19 0.00	22.90 -0.28 0.00	23.28 -0.09 0.00	25.91 0.28 0.00	26.76 0.42 0.00	29.69 0.55 0.00	31.57 0.44 0.00	32.80 0.45 0.00	33.87 0.63 0.00	37.89 0.82 0.00	42.67 1.00 0.00	43.08 0.84 0.00	38.86 0.61 0.00	38.25 0.45 0.00	33.06 0.20 0.00	30.27 0.06 0.00	28.26 0.22 0.00
UPPER HUDSON__HYD 24058	25.35 1.09 0.00	23.59 1.04 0.00	21.61 0.87 0.00	20.81 0.84 0.00	20.73 0.82 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.31 0.67 0.00	24.01 0.83 0.00	24.26 0.89 0.00	26.34 0.72 0.00	27.29 0.95 0.00	30.04 0.90 0.00	32.06 0.93 0.00	33.58 1.23 0.00	34.60 1.36 0.00	38.32 1.41 0.17	43.58 1.92 0.00	44.73 2.49 0.00	40.66 2.41 0.00	40.37 2.57 0.00	35.06 2.20 0.00	32.09 1.87 0.00	29.66 1.63 0.00
UPPER RAQUET__HYD 24056	22.52 -1.67 0.06	21.52 -1.04 0.00	19.82 -0.91 0.00	19.13 -0.84 0.00	19.12 -0.80 0.00	20.13 -0.75 0.00	21.04 -0.74 0.00	20.91 -0.74 0.00	22.42 -0.76 0.00	22.18 -1.19 0.00	22.82 -1.59 1.22	24.58 -1.82 -0.05	27.20 -2.04 -0.10	29.16 -2.09 -0.12	30.15 -2.33 -0.12	30.78 -2.56 -0.11	34.45 -2.78 -0.16	38.78 -3.13 -0.23	39.46 -3.00 -0.22	35.89 -2.49 -0.13	35.65 -2.27 -0.12	30.69 -2.27 -0.09	28.42 -1.93 -0.14	26.23 -1.88 -0.07
VALLEY44_115KV_TB2 355964	24.38 0.12 0.00	22.33 -0.23 0.00	20.28 -0.46 0.00	19.33 -0.64 0.00	19.20 -0.72 0.00	20.21 -0.67 0.00	21.56 -0.22 0.00	21.32 -0.32 0.00	22.76 -0.42 0.00	23.16 -0.21 0.00	25.96 0.33 0.00	26.79 0.45 0.00	29.74 0.61 0.00	31.72 0.59 0.00	33.00 0.65 0.00	34.07 0.83 0.00	37.97 0.89 0.00	42.75 1.08 0.00	43.21 0.97 0.00	38.93 0.69 0.00	37.87 0.08 0.00	32.93 0.07 0.00	30.18 -0.03 0.00	28.43 0.39 0.00
VALLEY__115KV_TB 1-4 80826	24.57 0.32 0.00	22.80 0.25 0.00	20.96 0.23 0.00	20.21 0.24 0.00	20.17 0.26 0.00	21.15 0.27 0.00	22.08 0.30 0.00	21.92 0.28 0.00	23.46 0.28 0.00	23.72 0.35 0.03	25.98 0.38 0.00	26.82 0.47 0.00	29.66 0.52 0.00	31.72 0.59 0.00	32.93 0.58 0.00	33.83 0.60 0.00	37.74 0.67 0.00	42.42 0.75 0.00	43.04 0.80 0.00	38.97 0.73 0.00	38.51 0.72 0.00	33.52 0.66 0.00	30.79 0.57 0.00	28.57 0.53 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	25.44 1.19 0.00	23.53 0.97 0.00	21.61 0.87 0.00	20.81 0.84 0.00	20.73 0.82 0.00	21.71 0.84 0.00	22.67 0.89 0.00	22.51 0.87 0.00	24.08 0.90 0.00	24.45 1.08 0.00	26.89 1.23 -0.04	27.84 1.45 -0.05	30.86 1.63 -0.10	33.08 1.84 -0.11	34.37 1.91 -0.11	35.33 1.99 -0.10	39.41 2.19 -0.15	44.34 2.46 -0.22	45.02 2.58 -0.20	40.70 2.33 -0.12	40.21 2.31 -0.11	34.99 2.04 -0.09	32.12 1.78 -0.13	29.70 1.60 -0.07
VISCHER__FERRY HYD 24020	25.15 0.90 0.00	23.43 0.88 0.00	21.52 0.79 0.00	20.75 0.78 0.00	20.69 0.78 0.00	21.65 0.77 0.00	22.52 0.74 0.00	22.33 0.69 0.00	23.97 0.79 0.00	24.10 0.73 0.00	26.39 0.77 0.00	27.29 0.95 0.00	30.12 0.99 0.00	32.16 1.03 0.00	33.58 1.23 0.00	34.53 1.29 0.00	38.19 1.33 0.22	43.29 1.62 0.00	43.93 1.69 0.00	39.81 1.57 0.00	39.35 1.55 0.00	34.24 1.38 0.00	31.42 1.21 0.00	29.16 1.12 0.00
V_A_10_SYNC_DSASP 323832	24.11 -0.14 0.00	22.08 -0.47 0.00	20.09 -0.64 0.00	19.11 -0.86 0.00	18.98 -0.94 0.00	20.00 -0.88 0.00	21.32 -0.46 0.00	21.04 -0.61 0.00	22.44 -0.74 0.00	22.81 -0.56 0.00	25.50 -0.13 0.00	26.26 -0.08 0.00	29.07 -0.06 0.00	30.95 -0.19 0.00	32.16 -0.19 0.00	33.30 0.07 0.00	37.37 0.30 0.00	42.04 0.37 0.00	42.36 0.13 0.00	38.06 -0.19 0.00	37.38 -0.41 0.00	32.60 -0.26 0.00	29.85 -0.36 0.00	28.04 0.00 0.00
V_CMM_10_SYNC_DSASP 323787	23.54 -0.73 -0.01	22.13 -0.43 0.00	20.36 -0.37 0.00	19.63 -0.34 0.00	19.62 -0.30 0.00	20.63 -0.25 0.00	21.54 -0.24 0.00	21.42 -0.22 0.00	22.97 -0.21 0.00	22.97 -0.40 0.00	25.16 -0.64 -0.17	25.50 -0.84 0.00	28.17 -0.96 0.00	30.13 -1.00 0.00	31.19 -1.16 0.00	31.94 -1.30 0.00	35.71 -1.37 0.00	40.13 -1.54 0.00	40.76 -1.48 0.00	37.02 -1.23 0.00	36.66 -1.13 0.00	31.71 -1.15 0.00	29.28 -0.94 0.00	27.14 -0.90 0.00
V_CMP_10_SYNC_DSASP 323788	23.38 -0.87 0.00	22.04 -0.52 0.00	20.30 -0.44 0.00	19.61 -0.36 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.42 0.05 0.00	25.42 -0.21 0.00	25.92 -0.42 0.00	28.61 -0.52 0.00	30.60 -0.53 0.00	31.64 -0.71 0.00	32.41 -0.83 0.00	36.19 -0.89 0.00	40.71 -0.96 0.00	41.56 -0.68 0.00	37.83 -0.42 0.00	37.57 -0.23 0.00	32.30 -0.56 0.00	29.79 -0.42 0.00	27.62 -0.42 0.00
V_D_10_SYNC_DSASP 323841	23.40 -0.87 -0.01	22.17 -0.38 0.00	20.43 -0.31 0.00	19.69 -0.28 0.00	19.65 -0.26 0.00	20.69 -0.19 0.00	21.60 -0.17 0.00	21.49 -0.15 0.00	23.02 -0.16 0.00	22.86 -0.51 0.00	25.14 -0.77 -0.29	25.34 -1.00 0.00	28.00 -1.14 0.00	29.98 -1.15 0.00	31.02 -1.33 0.00	31.74 -1.50 0.00	35.52 -1.56 0.00	39.88 -1.79 0.00	40.54 -1.69 0.00	36.83 -1.41 0.00	36.55 -1.25 0.00	31.55 -1.32 0.00	29.13 -1.09 0.00	27.00 -1.04 0.00
V_E_10_SYNC_DSASP 323830	25.95 1.70 0.00	23.89 1.33 0.00	21.90 1.16 0.00	21.11 1.14 0.00	21.07 1.15 0.00	22.11 1.23 0.00	23.28 1.50 0.00	23.03 1.39 0.00	24.52 1.34 0.00	25.06 1.68 0.00	27.56 1.85 -0.09	28.53 2.08 -0.11	31.71 2.36 -0.22	34.06 2.68 -0.25	35.17 2.56 -0.26	36.25 2.79 -0.22	40.64 3.22 -0.34	46.08 3.92 -0.50	47.01 4.31 -0.47	42.58 4.05 -0.28	42.13 4.08 -0.25	36.51 3.45 -0.20	33.59 3.08 -0.30	30.97 2.78 -0.15
V_F_30_NSYNC__DSASP 323816	25.47 1.21 0.00	23.68 1.13 0.00	21.73 1.00 0.00	20.95 0.98 0.00	20.87 0.96 0.00	21.84 0.96 0.00	22.71 0.94 0.00	22.48 0.84 0.00	24.15 0.97 0.00	24.35 0.98 0.00	26.65 1.03 0.00	27.58 1.24 0.00	30.44 1.31 0.00	32.50 1.37 0.00	33.97 1.62 0.00	35.00 1.76 0.00	38.75 1.85 0.17	43.96 2.29 0.00	44.77 2.53 0.00	40.66 2.41 0.00	40.22 2.42 0.00	34.97 2.10 0.00	32.05 1.84 0.00	29.69 1.65 0.00
V_F_30_SYNC_DSASP 323786	25.08 0.82 0.00	23.46 0.90 0.00	21.59 0.85 0.00	20.79 0.82 0.00	20.73 0.82 0.00	21.67 0.79 0.00	22.52 0.74 0.00	22.36 0.71 0.00	23.99 0.81 0.00	23.89 0.51 0.00	26.21 0.59 0.00	27.11 0.76 0.00	29.89 0.76 0.00	31.91 0.78 0.00	33.35 1.00 0.00	34.30 1.06 0.00	37.99 1.08 0.16	42.96 1.29 0.00	43.54 1.31 0.00	39.43 1.19 0.00	39.01 1.21 0.00	33.98 1.12 0.00	31.15 0.94 0.00	28.88 0.84 0.00



V_XM10_SYNC_DSASP 323789	23.38 -0.87 0.00	22.04 -0.52 0.00	20.30 -0.44 0.00	19.61 -0.36 0.00	19.62 -0.30 0.00	20.73 -0.15 0.00	21.78 0.00 0.00	21.75 0.11 0.00	23.39 0.21 0.00	23.42 0.05 0.00	25.42 -0.21 0.00	25.92 -0.42 0.00	28.61 -0.52 0.00	30.60 -0.53 0.00	31.64 -0.71 0.00	32.41 -0.83 0.00	36.19 -0.89 0.00	40.71 -0.96 0.00	41.56 -0.68 0.00	37.83 -0.42 0.00	37.57 -0.23 0.00	32.30 -0.56 0.00	29.79 -0.42 0.00	27.62 -0.42 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	25.69 1.43 0.00	23.73 1.17 0.00	21.84 1.10 0.00	20.99 1.02 0.00	20.93 1.02 0.00	21.90 1.02 0.00	22.78 1.00 0.00	22.81 1.17 0.00	24.52 1.34 0.00	24.80 1.43 0.00	27.39 1.77 0.00	28.42 2.08 0.00	31.52 2.39 0.00	33.75 2.62 0.00	35.26 2.91 0.00	36.19 2.96 0.00	40.50 3.26 -0.16	45.17 3.50 0.00	45.57 3.34 0.00	41.15 2.91 0.00	40.71 2.91 0.00	35.52 2.66 0.00	32.57 2.36 0.00	30.14 2.10 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	25.88 1.63 0.00	23.91 1.35 0.00	22.00 1.26 0.00	21.15 1.18 0.00	21.09 1.17 0.00	22.07 1.19 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.78 2.15 0.00	28.87 2.53 0.00	32.02 2.88 0.00	34.18 3.05 0.00	35.78 3.43 0.00	36.66 3.42 0.00	41.03 3.78 -0.18	45.71 4.04 0.00	46.04 3.80 0.00	41.53 3.29 0.00	41.16 3.36 0.00	35.88 3.02 0.00	32.90 2.69 0.00	30.50 2.47 0.00
W50THST__13_KV_LOAD 356117	26.00 1.75 0.00	24.00 1.44 0.00	22.11 1.37 0.00	21.25 1.28 0.00	21.19 1.27 0.00	22.17 1.29 0.00	23.08 1.31 0.00	23.20 1.56 0.00	24.99 1.81 0.00	25.27 1.89 0.00	27.96 2.33 0.00	29.06 2.71 0.00	32.22 3.09 0.00	34.37 3.24 0.00	36.01 3.66 0.00	36.89 3.66 0.00	41.29 4.04 -0.18	45.96 4.29 0.00	46.29 4.05 0.00	41.76 3.52 0.00	41.35 3.55 0.00	36.05 3.19 0.00	33.08 2.87 0.00	30.67 2.64 0.00
WADING RIVER_IC_1 23522	32.03 2.06 -5.71	28.79 1.67 -4.56	24.81 1.56 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.26 1.46 -0.92	23.19 1.41 0.00	23.13 1.49 0.00	25.03 1.86 0.00	30.29 2.01 -4.91	30.67 2.54 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.48 3.66 -1.59	40.93 3.67 -0.19	45.04 3.37 0.00	45.57 3.34 0.00	41.32 3.06 -0.01	40.59 2.80 0.00	35.72 2.86 0.00	32.78 2.57 0.00	30.39 2.36 0.00
WADING RIVER_IC_2 23547	32.03 2.06 -5.71	28.79 1.67 -4.56	24.81 1.56 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.26 1.46 -0.92	23.19 1.41 0.00	23.13 1.49 0.00	25.03 1.86 0.00	30.29 2.01 -4.91	30.67 2.54 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.48 3.66 -1.59	40.93 3.67 -0.19	45.04 3.37 0.00	45.57 3.34 0.00	41.32 3.06 -0.01	40.59 2.80 0.00	35.72 2.86 0.00	32.78 2.57 0.00	30.39 2.36 0.00
WADING RIVER_IC_3 23601	32.03 2.06 -5.71	28.79 1.67 -4.56	24.81 1.56 -2.51	22.67 1.46 -1.24	22.52 1.45 -1.15	23.26 1.46 -0.92	23.19 1.41 0.00	23.13 1.49 0.00	25.03 1.86 0.00	30.29 2.01 -4.91	30.67 2.54 -2.51	35.49 2.92 -6.23	37.28 3.23 -4.91	39.05 3.52 -4.41	45.84 3.88 -9.61	38.48 3.66 -1.59	40.93 3.67 -0.19	45.04 3.37 0.00	45.57 3.34 0.00	41.32 3.06 -0.01	40.59 2.80 0.00	35.72 2.86 0.00	32.78 2.57 0.00	30.39 2.36 0.00
WALDENNY_12_KV_BK2 80841	24.50 0.24 0.00	22.44 -0.11 0.00	20.36 -0.37 0.00	19.37 -0.60 0.00	19.20 -0.72 0.00	20.25 -0.63 0.00	21.65 -0.13 0.00	21.34 -0.30 0.00	22.76 -0.42 0.00	23.19 -0.19 0.00	26.06 0.44 0.00	26.92 0.58 0.00	29.89 0.76 0.00	31.82 0.68 0.00	33.10 0.74 0.00	34.20 0.96 0.00	38.11 1.04 0.00	42.83 1.17 0.00	43.25 1.01 0.00	38.90 0.65 0.00	37.99 0.19 0.00	32.93 0.07 0.00	30.18 -0.03 0.00	28.46 0.42 0.00
WALDEN__HYDRO 24148	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.85 0.94 0.00	21.84 0.96 0.00	22.69 0.91 0.00	22.66 1.02 0.00	24.32 1.14 0.00	24.56 1.19 0.00	27.11 1.49 0.00	28.11 1.76 0.00	31.20 2.07 0.00	33.37 2.24 0.00	34.87 2.52 0.00	35.80 2.56 0.00	40.07 2.85 -0.13	44.79 3.13 0.00	45.23 3.00 0.00	40.88 2.64 0.00	40.44 2.65 0.00	35.26 2.40 0.00	32.36 2.15 0.00	29.94 1.91 0.00
WARRENSBURG____ 23737	25.35 1.09 0.00	23.59 1.04 0.00	21.61 0.87 0.00	20.81 0.84 0.00	20.73 0.82 0.00	21.71 0.84 0.00	22.58 0.81 0.00	22.31 0.67 0.00	24.01 0.83 0.00	24.26 0.89 0.00	26.34 0.72 0.00	27.29 0.95 0.00	30.04 0.90 0.00	32.06 0.93 0.00	33.58 1.23 0.00	34.60 1.36 0.00	38.32 1.41 0.17	43.58 1.92 0.00	44.73 2.49 0.00	40.66 2.41 0.00	40.37 2.57 0.00	35.06 2.20 0.00	32.09 1.87 0.00	29.66 1.63 0.00
WATERSIDE____6 8 9 23538	25.96 1.70 -0.01	23.98 1.42 0.00	22.08 1.35 0.00	21.21 1.24 0.00	21.15 1.23 0.00	22.07 1.19 0.00	22.95 1.18 0.00	23.05 1.41 0.00	24.80 1.62 0.00	25.08 1.71 0.00	27.78 2.15 0.00	28.90 2.56 0.00	32.04 2.91 0.01	33.49 3.14 0.78	35.80 3.46 0.01	36.66 3.42 0.00	40.99 3.74 -0.17	44.85 4.08 0.90	42.58 3.84 3.50	37.58 3.33 4.00	33.07 3.40 8.13	35.44 3.15 0.58	33.04 2.84 0.01	30.62 2.58 -0.01
WATKINRD_115KV_LN8_ILLION 55919	24.52 0.27 0.00	22.78 0.23 0.00	20.94 0.21 0.00	20.17 0.20 0.00	20.11 0.20 0.00	21.09 0.21 0.00	21.99 0.22 0.00	21.86 0.22 0.00	23.39 0.21 0.00	23.61 0.23 0.00	25.88 0.28 0.03	26.69 0.34 0.00	29.54 0.41 0.00	31.57 0.44 0.00	32.80 0.45 0.00	33.74 0.50 0.00	37.63 0.56 0.00	42.29 0.63 0.00	42.87 0.63 0.00	38.86 0.61 0.00	38.40 0.60 0.00	33.39 0.53 0.00	30.66 0.45 0.00	28.46 0.42 0.00
WATSON__69_KV_BK 1 55734	32.40 2.43 -5.71	29.22 2.10 -4.56	25.22 1.97 -2.51	23.07 1.86 -1.24	22.90 1.83 -1.15	23.67 1.88 -0.92	23.65 1.87 0.00	23.61 1.97 0.00	25.52 2.34 0.00	30.71 2.43 -4.91	31.13 3.00 -2.51	36.05 3.48 -6.23	37.98 3.93 -4.91	39.80 4.27 -4.40	46.65 4.69 -9.61	39.57 4.75 -1.58	42.52 5.26 -0.18	46.75 5.08 0.00	47.22 4.98 0.00	42.76 4.51 -0.01	41.99 4.20 0.00	37.20 4.34 0.00	33.87 3.66 0.00	31.49 3.45 0.00
WDELAWARE__HYD 323627	25.08 0.83 0.00	23.07 0.52 0.00	21.23 0.50 0.00	20.43 0.46 0.00	20.37 0.46 0.00	21.32 0.44 0.00	22.12 0.35 0.00	22.05 0.41 0.00	23.64 0.46 0.00	23.98 0.61 0.00	26.37 0.74 0.00	27.34 1.00 0.00	30.38 1.25 0.00	31.69 0.56 0.00	33.10 0.74 0.00	33.97 0.73 0.00	37.99 0.81 -0.10	42.50 0.83 0.00	43.00 0.76 0.00	38.90 0.65 0.00	38.48 0.68 0.00	34.34 1.48 0.00	31.60 1.39 0.00	29.21 1.18 0.00
WEST BABYLON__IC 23714	32.30 2.33 -5.71	29.13 2.01 -4.56	25.12 1.87 -2.51	22.97 1.76 -1.24	22.82 1.75 -1.15	23.59 1.80 -0.92	23.56 1.79 0.00	23.55 1.90 0.00	25.43 2.25 0.00	30.62 2.34 -4.91	30.98 2.84 -2.51	35.89 3.32 -6.23	37.75 3.70 -4.91	39.51 3.98 -4.40	46.35 4.40 -9.60	39.27 4.45 -1.58	42.15 4.89 -0.18	46.38 4.71 0.00	46.84 4.60 0.00	42.42 4.17 0.00	41.69 3.89 0.00	36.90 4.04 0.00	33.72 3.50 0.00	31.32 3.28 0.00



WEST CANADA___HYD 24049	24.42 0.17 0.00	22.69 0.14 0.00	20.86 0.13 0.00	20.09 0.12 0.00	20.03 0.12 0.00	20.98 0.10 0.00	21.89 0.11 0.00	21.75 0.11 0.00	23.27 0.09 0.00	23.49 0.12 0.00	25.75 0.15 0.03	26.55 0.21 0.00	29.36 0.23 0.00	31.41 0.28 0.00	32.67 0.32 0.00	33.57 0.33 0.00	37.41 0.33 0.00	42.04 0.37 0.00	42.61 0.38 0.00	38.59 0.34 0.00	38.14 0.34 0.00	33.16 0.30 0.00	30.48 0.27 0.00	28.29 0.25 0.00
WESTERN_NY_WIND 24143	24.76 0.51 0.00	22.67 0.11 0.00	20.59 -0.15 0.00	19.57 -0.40 0.00	19.42 -0.50 0.00	20.52 -0.35 0.00	21.86 0.09 0.00	21.58 -0.06 0.00	23.02 -0.16 0.00	23.42 0.05 0.00	26.21 0.59 0.00	27.11 0.76 0.00	30.06 0.93 0.00	31.91 0.78 0.00	33.19 0.84 0.00	34.33 1.10 0.00	38.41 1.33 0.00	43.25 1.58 0.00	43.71 1.48 0.00	39.35 1.11 0.00	38.67 0.87 0.00	33.35 0.49 0.00	30.54 0.33 0.00	28.68 0.64 0.00
WESTOVER___LESR 323668	24.67 0.41 0.00	22.78 0.23 0.00	20.86 0.12 0.00	20.03 0.06 0.00	19.93 0.02 0.00	20.92 0.04 0.00	21.95 0.17 0.00	21.81 0.17 0.00	23.34 0.16 0.00	23.63 0.26 0.00	26.23 0.51 -0.09	27.11 0.66 -0.11	30.12 0.76 -0.23	32.17 0.78 -0.26	33.49 0.87 -0.27	34.43 0.96 -0.23	38.46 1.04 -0.34	43.42 1.25 -0.51	43.98 1.27 -0.48	39.60 1.07 -0.29	39.00 0.94 -0.26	33.89 0.82 -0.20	31.18 0.66 -0.30	28.89 0.70 -0.16
WETHRSFD_WT_PWR 323626	24.35 0.10 0.00	22.31 -0.25 0.00	20.34 -0.39 0.00	19.39 -0.58 0.00	19.28 -0.64 0.00	20.31 -0.56 0.00	21.65 -0.13 0.00	21.36 -0.28 0.00	22.83 -0.35 0.00	23.26 -0.12 0.00	26.01 0.38 0.00	26.82 0.47 0.00	29.71 0.58 0.00	31.69 0.56 0.00	32.90 0.55 0.00	34.03 0.80 0.00	38.11 1.04 0.00	42.88 1.21 0.00	43.38 1.14 0.00	38.93 0.69 0.00	38.14 0.34 0.00	33.32 0.46 0.00	30.54 0.33 0.00	28.71 0.67 0.00
WHAVSTOR_138KV_BK127 55557	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.82 0.94 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.43 2.30 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.32 3.08 -0.16	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.52 2.72 0.00	35.36 2.50 0.00	32.45 2.24 0.00	30.03 1.99 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	25.59 1.33 0.00	23.64 1.08 0.00	21.75 1.02 0.00	20.93 0.96 0.00	20.87 0.96 0.00	21.82 0.94 0.00	22.71 0.94 0.00	22.77 1.13 0.00	24.48 1.30 0.00	24.73 1.36 0.00	27.31 1.69 0.00	28.35 2.00 0.00	31.43 2.30 0.00	33.62 2.49 0.00	35.13 2.78 0.00	36.03 2.79 0.00	40.32 3.08 -0.16	45.00 3.33 0.00	45.40 3.17 0.00	41.00 2.75 0.00	40.52 2.72 0.00	35.36 2.50 0.00	32.45 2.24 0.00	30.03 1.99 0.00
WHITEHAL_115KV_TB1 80871	26.05 1.79 0.00	24.25 1.69 0.00	22.15 1.41 0.00	21.35 1.38 0.00	21.25 1.33 0.00	22.28 1.40 0.00	23.15 1.37 0.00	22.81 1.17 0.00	24.62 1.44 0.00	24.80 1.43 0.00	27.03 1.41 0.00	28.06 1.71 0.00	30.88 1.75 0.00	33.00 1.87 0.00	34.58 2.23 0.00	35.66 2.43 0.00	39.47 2.56 0.17	45.04 3.38 0.00	46.21 3.97 0.00	42.11 3.86 0.00	41.69 3.89 0.00	36.31 3.45 0.00	33.14 2.93 0.00	30.62 2.58 0.00
WHITEPLN_13_KV_LOAD 356215	25.95 1.70 0.00	24.00 1.44 0.00	22.08 1.35 0.00	21.23 1.26 0.00	21.15 1.23 0.00	22.13 1.25 0.00	23.06 1.28 0.00	23.18 1.54 0.00	24.99 1.81 0.00	25.27 1.89 0.00	27.96 2.33 0.00	29.03 2.69 0.00	32.22 3.09 0.00	34.43 3.30 0.00	36.01 3.66 0.00	36.93 3.69 0.00	41.33 4.08 -0.18	46.04 4.38 0.00	46.46 4.22 0.00	41.92 3.67 0.00	41.54 3.74 0.00	36.21 3.35 0.00	33.11 2.90 0.00	30.67 2.64 0.00
WM_FLOYD_69_KV_BK2 356380	32.18 2.21 -5.71	29.01 1.89 -4.56	25.01 1.76 -2.51	22.87 1.66 -1.24	22.72 1.65 -1.15	23.46 1.67 -0.92	23.41 1.63 0.00	23.37 1.73 0.00	25.27 2.09 0.00	30.46 2.17 -4.91	30.85 2.72 -2.51	35.73 3.16 -6.23	37.66 3.61 -4.91	39.49 3.95 -4.41	46.33 4.37 -9.61	39.21 4.39 -1.59	42.12 4.86 -0.19	46.38 4.71 0.00	46.84 4.60 0.00	42.46 4.21 -0.01	41.65 3.86 0.00	36.87 4.01 0.00	33.57 3.35 0.00	31.23 3.20 0.00
WOODARD__115KV_TB2 355635	24.20 -0.05 0.00	22.42 -0.14 0.00	20.57 -0.17 0.00	19.77 -0.20 0.00	19.69 -0.22 0.00	20.65 -0.23 0.00	21.58 -0.20 0.00	21.40 -0.24 0.00	22.90 -0.28 0.00	23.17 -0.21 -0.01	25.70 -0.08 -0.16	26.59 0.03 -0.22	29.64 0.06 -0.45	31.67 0.03 -0.51	32.89 0.00 -0.53	33.73 0.03 -0.46	37.80 0.04 -0.68	42.76 0.08 -1.01	43.27 0.08 -0.96	38.86 0.04 -0.57	38.35 0.04 -0.51	33.30 0.03 -0.41	30.79 -0.03 -0.61	28.35 0.00 -0.31
YORK___WARBASSE 23770	26.13 1.87 -0.01	24.11 1.56 0.00	22.19 1.45 0.00	21.31 1.34 0.00	21.23 1.31 0.00	22.11 1.23 0.00	22.97 1.20 0.00	23.07 1.43 0.00	24.83 1.65 0.00	25.10 1.73 0.00	27.85 2.23 0.00	29.00 2.66 0.00	32.20 3.03 -0.04	39.89 3.27 -5.49	35.97 3.56 -0.06	36.79 3.56 0.00	41.20 3.89 -0.23	52.22 4.25 -6.30	70.73 4.01 -24.48	69.74 3.52 -27.97	98.31 3.59 -56.92	40.22 3.32 -4.04	33.28 2.96 -0.11	30.76 2.72 -0.01