

# Day Ahead Market Generator LBMP

--- LBMP \$

--- Marginal Cost of Losses

--- Marginal Cost of Congestion

## Generator Data

09/11/2023

Name	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
PTID	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT	EDT
59TH STREET_GT_1	27.55	25.44	24.31	23.08	23.19	25.06	27.30	28.59	29.87	31.05	31.02	31.95	36.05	37.28	39.21	39.45	43.53	50.72	44.57	43.65	37.47	32.84	30.39	27.48
24138	1.97	1.75	1.67	1.57	1.48	1.60	1.76	2.22	2.54	2.80	2.66	2.77	3.23	3.35	3.56	3.52	3.75	3.84	3.77	3.41	2.93	2.71	2.62	2.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.86	-0.06	-0.40	-0.07	-1.91	-8.80	-2.68	-2.33	0.00	0.00	-0.18	0.00
74TH STREET_GT_1	27.45	25.35	24.15	22.93	23.17	24.92	27.12	28.49	29.79	30.97	30.94	31.86	35.96	37.18	39.07	39.38	43.46	50.64	44.49	43.60	37.41	32.78	30.33	27.43
24260	1.87	1.66	1.52	1.42	1.45	1.45	1.58	2.11	2.46	2.71	2.58	2.68	3.13	3.25	3.42	3.44	3.67	3.77	3.70	3.37	2.87	2.65	2.56	2.20
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.86	-0.06	-0.40	-0.07	-1.91	-8.80	-2.68	-2.32	0.00	0.00	-0.18	0.00
74TH STREET_GT_2	27.45	25.35	24.15	22.93	23.17	24.92	27.12	28.49	29.79	30.97	30.94	31.86	35.96	37.18	39.07	39.38	43.46	50.64	44.49	43.60	37.41	32.78	30.33	27.43
24261	1.87	1.66	1.52	1.42	1.45	1.45	1.58	2.11	2.46	2.71	2.58	2.68	3.13	3.25	3.42	3.44	3.67	3.77	3.70	3.37	2.87	2.65	2.56	2.20
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.86	-0.06	-0.40	-0.07	-1.91	-8.80	-2.68	-2.32	0.00	0.00	-0.18	0.00
ADK HUDSON___FALLS	26.84	24.76	23.56	22.35	22.63	24.45	26.74	28.10	29.27	33.34	31.17	31.06	33.72	35.79	36.61	37.80	42.27	48.90	45.20	43.37	36.85	32.12	29.03	26.85
24011	1.25	1.07	0.93	0.84	0.91	0.99	1.20	1.71	1.94	1.95	1.99	2.01	1.95	2.00	1.94	2.04	2.04	2.36	2.48	2.43	2.31	1.99	1.71	1.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-3.14	-0.83	0.08	0.19	0.08	0.58	0.11	-2.35	-8.46	-4.61	-3.04	0.00	0.00	0.26	0.00
ADK RESOURCE___RCVRY	27.04	24.90	23.70	22.50	22.71	24.61	26.94	28.28	29.49	33.35	31.30	31.26	33.92	36.10	36.79	37.94	42.42	49.11	45.33	43.57	37.10	32.30	29.17	26.97
23798	1.46	1.21	1.06	0.99	1.00	1.15	1.40	1.90	2.16	2.12	2.15	2.21	2.14	2.30	2.11	2.19	2.20	2.55	2.67	2.61	2.56	2.17	1.85	1.74
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-2.97	-0.79	0.08	0.18	0.08	0.57	0.11	-2.35	-8.48	-4.55	-3.04	0.00	0.00	0.26	0.00
ADK S GLENS___FALLS	26.84	24.76	23.56	22.35	22.63	24.45	26.74	28.10	29.27	33.34	31.17	31.06	33.72	35.79	36.61	37.80	42.27	48.90	45.20	43.37	36.85	32.12	29.03	26.85
24028	1.25	1.07	0.93	0.84	0.91	0.99	1.20	1.71	1.94	1.95	1.99	2.01	1.95	2.00	1.94	2.04	2.04	2.36	2.48	2.43	2.31	1.99	1.71	1.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-3.14	-0.83	0.08	0.19	0.08	0.58	0.11	-2.35	-8.46	-4.61	-3.04	0.00	0.00	0.26	0.00
ADK_NYS___DAM	26.84	24.87	23.65	22.50	22.67	24.52	26.66	27.87	28.89	36.02	31.67	30.63	33.01	35.68	36.21	37.73	42.32	47.16	46.07	43.15	36.54	31.81	28.62	26.64
23527	1.25	1.18	1.02	0.99	0.95	1.06	1.12	1.48	1.56	1.70	1.70	1.66	1.89	1.96	2.08	2.08	2.23	2.36	2.40	2.27	2.00	1.69	1.54	1.41
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-6.06	-1.61	0.16	0.84	0.15	1.12	0.21	-2.22	-6.73	-5.56	-2.97	0.00	0.00	0.51	0.00
AIR_PRODUCTS___DRP	25.89	24.00	22.88	21.72	22.00	23.68	25.74	26.87	27.90	25.17	28.02	29.70	32.69	34.59	35.62	36.67	41.10	47.63	41.26	41.83	35.33	30.79	27.97	25.74
24190	0.31	0.31	0.25	0.22	0.28	0.21	0.20	0.50	0.57	0.65	0.65	0.64	0.80	0.78	0.85	0.90	0.91	0.99	1.03	0.95	0.79	0.66	0.61	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.73	0.99	0.07	0.07	0.07	0.48	0.09	-2.32	-8.56	-2.12	-2.98	0.00	0.00	0.22	0.00
AKWESSNE_115KV_BK	25.12	23.26	22.32	21.18	21.39	23.09	25.08	25.96	26.86	27.75	27.85	28.57	31.39	33.26	34.54	35.11	37.04	37.08	37.04	37.11	33.95	29.56	27.06	24.75
355683	-0.46	-0.43	-0.32	-0.32	-0.33	-0.38	-0.46	-0.42	-0.46	-0.51	-0.51	-0.55	-0.58	-0.61	-0.70	-0.75	-0.83	-0.99	-1.07	-0.80	-0.59	-0.57	-0.52	-0.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	25.89	24.00	22.88	21.72	22.00	23.68	25.74	26.87	27.90	25.17	28.02	29.70	32.69	34.59	35.62	36.67	41.10	47.63	41.26	41.83	35.33	30.79	27.97	25.74
23571	0.31	0.31	0.25	0.22	0.28	0.21	0.20	0.50	0.57	0.65	0.65	0.64	0.80	0.78	0.85	0.90	0.91	0.99	1.03	0.95	0.79	0.66	0.61	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.73	0.99	0.07	0.07	0.07	0.48	0.09	-2.32	-8.56	-2.12	-2.98	0.00	0.00	0.22	0.00
ALBANY___2	25.89	24.00	22.88	21.72	22.00	23.68	25.74	26.87	27.90	25.17	28.02	29.70	32.69	34.59	35.62	36.67	41.10	47.63	41.26	41.83	35.33	30.79	27.97	25.74
23572	0.31	0.31	0.25	0.22	0.28	0.21	0.20	0.50	0.57	0.65	0.65	0.64	0.80	0.78	0.85	0.90	0.91	0.99	1.03	0.95	0.79	0.66	0.61	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.73	0.99	0.07	0.07	0.07	0.48	0.09	-2.32	-8.56	-2.12	-2.98	0.00	0.00	0.22	0.00
ALBANY___3	25.89	24.00	22.88	21.72	22.00	23.68	25.74	26.87	27.90	25.17	28.02	29.70	32.69	34.59	35.62	36.67	41.10	47.63	41.26	41.83	35.33	30.79	27.97	25.74
23573	0.31	0.31	0.25	0.22	0.28	0.21	0.20	0.50	0.57	0.65	0.65	0.64	0.80	0.78	0.85	0.90	0.91	0.99	1.03	0.95	0.79	0.66	0.61	0.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	3.73	0.99	0.07	0.07	0.07	0.48	0.09	-2.32	-8.56	-2.12	-2.98	0.00	0.00	0.22	0.00



ALBANY___4 23574	25.89 0.31 0.00	24.00 0.31 0.00	22.88 0.25 0.00	21.72 0.22 0.00	22.00 0.28 0.00	23.68 0.21 0.00	25.74 0.20 0.00	26.87 0.50 0.01	27.90 0.57 0.00	25.17 0.65 3.73	28.02 0.65 0.99	29.70 0.64 0.07	32.69 0.80 0.07	34.59 0.78 0.07	35.62 0.85 0.48	36.67 0.90 0.09	41.10 0.91 -2.32	47.63 0.99 -8.56	41.26 1.03 -2.12	41.83 0.95 -2.98	35.33 0.79 0.00	30.79 0.66 0.00	27.97 0.61 0.22	25.74 0.50 0.00
ALBANY___LFGE 323615	26.22 0.64 0.00	24.28 0.59 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.17 0.46 0.00	23.96 0.49 0.00	26.02 0.48 0.00	27.14 0.77 0.01	28.18 0.85 0.00	25.64 0.96 3.58	28.34 0.93 0.95	30.02 0.96 0.07	32.96 1.12 0.12	34.99 1.18 0.07	35.97 1.23 0.51	37.02 1.25 0.09	41.48 1.29 -2.33	47.98 1.41 -8.50	41.71 1.41 -2.18	42.23 1.33 -3.00	35.75 1.21 0.00	31.09 0.96 0.00	28.23 0.88 0.23	25.96 0.73 0.00
ALCOA_PA_115KV_PL-6C 55860	25.25 -0.33 0.00	23.36 -0.33 0.00	22.45 -0.18 0.00	21.31 -0.19 0.00	21.50 -0.22 0.00	23.18 -0.28 0.00	25.15 -0.38 0.00	26.04 -0.34 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	27.90 -0.45 0.00	28.60 -0.52 0.00	31.42 -0.54 0.00	33.33 -0.54 0.00	34.58 -0.67 0.00	35.14 -0.72 0.00	37.11 -0.76 0.00	37.16 -0.91 0.00	37.12 -0.99 0.00	37.19 -0.72 0.00	34.06 -0.48 0.00	29.62 -0.51 0.00	27.14 -0.44 0.00	24.83 -0.40 0.00
ALCOA_RYNLDS___DRP 24188	25.25 -0.33 0.00	23.36 -0.33 0.00	22.45 -0.18 0.00	21.31 -0.19 0.00	21.50 -0.22 0.00	23.18 -0.28 0.00	25.15 -0.38 0.00	26.04 -0.34 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	27.90 -0.45 0.00	28.60 -0.52 0.00	31.42 -0.54 0.00	33.33 -0.54 0.00	34.58 -0.67 0.00	35.14 -0.72 0.00	37.11 -0.76 0.00	37.16 -0.91 0.00	37.12 -0.99 0.00	37.19 -0.72 0.00	34.06 -0.48 0.00	29.62 -0.51 0.00	27.14 -0.44 0.00	24.83 -0.40 0.00
ALCOA___DSASP 323711	25.25 -0.33 0.00	23.36 -0.33 0.00	22.45 -0.18 0.00	21.29 -0.22 0.00	21.50 -0.22 0.00	23.21 -0.26 0.00	25.15 -0.38 0.00	26.06 -0.32 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	27.90 -0.45 0.00	28.60 -0.52 0.00	31.39 -0.57 0.00	33.33 -0.54 0.00	34.58 -0.67 0.00	35.14 -0.72 0.00	37.15 -0.72 0.00	37.20 -0.87 0.00	37.20 -0.92 0.00	37.23 -0.68 0.00	34.06 -0.48 0.00	29.62 -0.51 0.00	27.14 -0.44 0.00	24.83 -0.40 0.00
ALLEGHENY___COGEN 23514	26.81 1.23 0.00	24.90 1.21 0.00	23.74 1.11 0.00	22.58 1.07 0.00	22.93 1.22 0.00	24.83 1.36 0.00	27.60 2.07 0.00	28.22 1.85 0.00	28.89 1.56 0.00	29.61 1.36 0.00	29.86 1.50 0.00	30.53 1.40 0.00	31.71 -0.29 -0.04	34.11 0.24 0.00	35.46 0.21 0.00	36.22 0.36 0.00	38.43 0.38 -0.18	39.93 1.10 -0.75	39.82 1.45 -0.26	39.26 1.14 -0.21	35.75 1.21 0.00	32.21 2.08 0.00	29.18 1.60 0.00	26.77 1.54 0.00
ALTAMONT_115KV_TB 2 55880	26.28 0.69 0.00	24.35 0.66 0.00	23.22 0.59 0.00	22.07 0.56 0.00	22.30 0.59 0.00	24.05 0.59 0.00	26.12 0.59 0.00	27.27 0.90 0.00	28.34 1.01 0.00	27.58 1.10 1.78	28.96 1.08 0.47	30.16 1.08 0.05	33.29 1.25 -0.08	35.11 1.29 0.05	36.27 1.37 0.35	37.19 1.40 0.06	41.70 1.48 -2.35	48.59 1.56 -8.95	42.54 1.60 -2.82	42.38 1.48 -2.99	35.85 1.31 0.00	31.24 1.11 0.00	28.47 1.05 0.16	26.14 0.91 0.00
ALTONA_WT_PWR 323606	26.15 0.56 0.00	24.19 0.50 0.00	23.29 0.66 0.00	22.11 0.60 0.00	22.34 0.63 0.00	24.15 0.68 0.00	26.30 0.77 0.00	27.25 0.87 0.00	28.09 0.76 0.00	28.96 0.71 0.00	29.07 0.71 0.00	29.80 0.67 0.00	32.70 0.74 0.00	34.72 0.85 0.00	35.95 0.70 0.00	36.51 0.65 0.00	38.63 0.76 0.00	38.84 0.76 0.00	38.83 0.72 0.00	38.78 0.87 0.00	35.47 0.93 0.00	30.82 0.69 0.00	28.22 0.63 0.00	25.76 0.53 0.00
AMERICAN_REF_FUEL 24010	25.58 0.00 0.00	23.76 0.07 0.00	22.52 -0.11 0.00	21.44 -0.06 0.00	21.87 0.15 0.00	23.65 0.19 0.00	25.92 0.38 0.00	25.90 -0.47 0.00	26.56 -0.77 0.00	27.41 -0.85 0.00	27.76 -0.60 0.00	28.51 -0.61 0.00	31.10 -0.89 -0.03	33.06 -0.81 0.00	34.30 -0.95 0.00	34.93 -0.93 0.00	36.75 -1.29 -0.16	38.14 -0.61 -0.67	37.85 -0.50 -0.23	36.96 -1.14 -0.19	33.47 -1.07 0.00	29.53 -0.60 0.00	27.08 -0.50 0.00	25.31 0.08 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	26.50 0.92 0.00	24.64 0.95 0.00	23.31 0.68 0.00	22.20 0.69 0.00	22.67 0.95 0.00	24.55 1.08 0.00	26.97 1.43 0.00	27.09 0.71 0.00	27.74 0.41 0.00	28.68 0.42 0.00	29.04 0.68 0.00	29.86 0.73 0.00	32.60 0.61 -0.04	34.65 0.78 0.00	35.92 0.67 0.00	36.58 0.72 0.00	38.43 0.38 -0.18	39.89 1.06 -0.75	39.52 1.14 -0.26	38.54 0.42 -0.21	35.02 0.48 0.00	30.82 0.69 0.00	28.16 0.58 0.00	26.11 0.88 0.00
ARTHUR_KILL_GT_1 23520	27.45 1.87 0.00	25.28 1.59 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.68 1.22 0.00	26.78 1.25 0.01	28.14 1.77 0.01	29.45 2.13 0.01	30.65 2.40 0.01	30.56 2.21 0.01	31.51 2.33 -0.05	35.63 2.81 -0.86	36.86 2.95 -0.05	38.71 3.07 -0.40	39.01 3.08 -0.07	42.97 3.18 -1.91	50.22 3.35 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.05 2.52 0.01	32.44 2.32 0.01	30.08 2.32 -0.18	27.17 1.94 0.00
ARTHUR_KILL_2 23512	27.37 1.79 0.00	25.18 1.49 0.00	24.06 1.43 0.00	22.84 1.33 0.00	22.95 1.24 0.00	24.61 1.15 0.00	26.68 1.15 0.01	28.03 1.66 0.01	29.34 2.02 0.01	30.57 2.32 0.01	30.48 2.13 0.01	31.42 2.24 -0.05	35.50 2.69 -0.86	36.73 2.81 -0.05	38.57 2.92 -0.40	38.87 2.94 -0.07	42.77 2.99 -1.91	50.07 3.20 -8.79	43.83 3.05 -2.67	43.00 2.77 -2.33	36.91 2.38 0.01	32.32 2.20 0.01	30.00 2.23 -0.18	27.10 1.87 0.00
ARTHUR_KILL_3 23513	27.27 1.69 0.00	25.21 1.52 0.00	24.06 1.43 0.00	22.82 1.31 0.00	22.95 1.24 0.00	24.78 1.31 0.00	26.99 1.45 0.00	28.22 1.85 0.00	29.46 2.13 0.00	30.63 2.37 0.00	30.60 2.24 0.00	31.52 2.33 -0.06	35.57 2.75 -0.86	36.74 2.81 -0.06	38.65 2.99 -0.40	38.91 2.97 -0.07	42.97 3.18 -1.91	50.15 3.27 -8.80	43.99 3.20 -2.68	43.09 2.84 -2.33	37.03 2.49 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ARTHUR_KILL_COGEN 323718	27.45 1.87 0.00	25.28 1.59 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.68 1.22 0.00	26.78 1.25 0.01	28.14 1.77 0.01	29.45 2.13 0.01	30.65 2.40 0.01	30.56 2.21 0.01	31.51 2.33 -0.05	35.63 2.81 -0.86	36.86 2.95 -0.05	38.71 3.07 -0.40	39.01 3.08 -0.07	42.97 3.18 -1.91	50.22 3.35 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.05 2.52 0.01	32.44 2.32 0.01	30.08 2.32 -0.18	27.17 1.94 0.00
ASHOKAN____ 23654	26.61 1.02 0.00	24.52 0.83 0.00	23.40 0.77 0.00	22.24 0.73 0.00	22.43 0.72 0.00	24.12 0.66 0.00	26.25 0.71 0.00	27.93 1.56 0.00	28.07 0.74 0.00	28.12 1.52 1.66	29.45 1.53 0.44	30.60 1.48 0.01	34.16 1.89 -0.31	34.74 0.88 0.01	37.12 1.97 0.10	37.92 2.08 0.02	42.23 2.27 -2.09	49.04 2.55 -8.41	43.26 2.71 -2.44	41.30 0.76 -2.64	35.99 1.45 0.00	31.21 1.08 0.00	29.25 1.71 0.04	26.24 1.01 0.00



ASTORIA_EAST_ENERGY_CC1 323581	27.37 1.79 0.00	25.18 1.49 0.00	23.96 1.34 0.01	22.84 1.33 0.00	22.83 1.13 0.01	24.63 1.17 0.01	26.73 1.20 0.01	28.08 1.71 0.01	29.34 2.02 0.01	30.54 2.29 0.01	30.48 2.13 0.01	31.39 2.21 -0.05	35.40 2.59 -0.86	36.63 2.71 -0.05	38.43 2.78 -0.40	38.69 2.76 -0.07	42.62 2.84 -1.91	50.06 3.20 -8.79	43.68 2.90 -2.67	42.85 2.61 -2.33	36.78 2.24 0.01	32.26 2.14 0.01	29.94 2.18 -0.18	27.10 1.87 0.00
ASTORIA_EAST_ENERGY_CC2 323582	27.37 1.79 0.00	25.18 1.49 0.00	23.96 1.34 0.01	22.84 1.33 0.00	22.83 1.13 0.01	24.63 1.17 0.01	26.73 1.20 0.01	28.08 1.71 0.01	29.34 2.02 0.01	30.54 2.29 0.01	30.48 2.13 0.01	31.39 2.21 -0.05	35.40 2.59 -0.86	36.63 2.71 -0.05	38.43 2.78 -0.40	38.69 2.76 -0.07	42.62 2.84 -1.91	50.06 3.20 -8.79	43.68 2.90 -2.67	42.85 2.61 -2.33	36.78 2.24 0.01	32.26 2.14 0.01	29.94 2.18 -0.18	27.10 1.87 0.00
ASTORIA_GT2_1 24094	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT2_2 24095	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT2_3 24096	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT2_4 24097	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT3_1 24098	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT3_2 24099	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT3_3 24100	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT3_4 24101	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT4_1 24102	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT4_2 24103	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT4_3 24104	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT4_4 24105	27.25 1.66 0.00	25.09 1.40 0.00	23.83 1.20 0.00	22.60 1.10 0.00	22.84 1.13 0.00	24.54 1.08 0.00	26.66 1.12 0.00	28.07 1.69 0.00	29.38 2.05 0.00	30.55 2.29 0.00	30.48 2.13 0.00	31.43 2.24 -0.06	35.45 2.62 -0.86	36.64 2.71 -0.06	38.44 2.78 -0.40	38.73 2.80 -0.07	42.70 2.92 -1.91	50.10 3.24 -8.79	43.72 2.93 -2.67	42.84 2.62 -2.32	36.82 2.28 0.00	32.30 2.17 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA_GT_1 23523	27.43 1.84 0.00	25.23 1.54 0.00	24.03 1.40 0.01	22.90 1.40 0.00	22.90 1.19 0.01	24.70 1.24 0.01	26.80 1.28 0.01	28.14 1.77 0.01	29.43 2.10 0.01	30.62 2.37 0.01	30.56 2.21 0.01	31.48 2.30 -0.05	35.53 2.72 -0.86	36.73 2.81 -0.05	38.54 2.89 -0.40	38.83 2.90 -0.07	42.77 2.99 -1.91	50.18 3.31 -8.79	43.83 3.05 -2.67	42.96 2.73 -2.33	36.88 2.35 0.01	32.35 2.23 0.01	30.03 2.26 -0.18	27.17 1.94 0.00



ASTORIA_GT_10 24110	27.27 1.69 0.00	25.16 1.47 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.06 3.20 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA_GT_11 24225	27.27 1.69 0.00	25.16 1.47 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.06 3.20 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA_GT_12 24226	27.27 1.69 0.00	25.16 1.47 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.06 3.20 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA_GT_13 24227	27.27 1.69 0.00	25.16 1.47 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.06 3.20 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA_GT_5 24106	27.43 1.84 0.00	25.23 1.54 0.00	24.03 1.40 0.01	22.90 1.40 0.00	22.90 1.19 0.01	24.70 1.24 0.01	26.80 1.28 0.01	28.14 1.77 0.01	29.43 2.10 0.01	30.62 2.37 0.01	30.56 2.21 0.01	31.48 2.30 -0.05	35.53 2.72 -0.86	36.73 2.81 -0.05	38.54 2.89 -0.40	38.83 2.90 -0.07	42.77 2.99 -1.91	50.18 3.31 -8.79	43.83 3.05 -2.67	42.96 2.73 -2.33	36.88 2.35 0.01	32.35 2.23 0.01	30.03 2.26 -0.18	27.17 1.94 0.00
ASTORIA_GT_7 24107	27.43 1.84 0.00	25.23 1.54 0.00	24.03 1.40 0.01	22.90 1.40 0.00	22.90 1.19 0.01	24.70 1.24 0.01	26.80 1.28 0.01	28.14 1.77 0.01	29.43 2.10 0.01	30.62 2.37 0.01	30.56 2.21 0.01	31.48 2.30 -0.05	35.53 2.72 -0.86	36.73 2.81 -0.05	38.54 2.89 -0.40	38.83 2.90 -0.07	42.77 2.99 -1.91	50.18 3.31 -8.79	43.83 3.05 -2.67	42.96 2.73 -2.33	36.88 2.35 0.01	32.35 2.23 0.01	30.03 2.26 -0.18	27.17 1.94 0.00
ASTORIA_GT_8 24108	27.32 1.74 0.00	25.13 1.45 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.89 1.17 0.00	24.59 1.13 0.00	26.71 1.17 0.00	28.12 1.74 0.00	29.43 2.10 0.00	30.63 2.37 0.00	30.57 2.21 0.00	31.49 2.30 -0.06	35.51 2.68 -0.86	36.74 2.81 -0.06	38.54 2.89 -0.40	38.84 2.90 -0.07	42.81 3.03 -1.91	50.22 3.35 -8.79	43.83 3.05 -2.67	42.95 2.73 -2.32	36.89 2.35 0.00	32.36 2.23 0.00	30.03 2.26 -0.18	27.17 1.94 0.00
ASTORIA___2 24149	27.37 1.79 0.00	25.18 1.49 0.00	23.96 1.34 0.01	22.84 1.33 0.00	22.86 1.15 0.01	24.65 1.20 0.01	26.75 1.23 0.01	28.08 1.71 0.01	29.37 2.05 0.01	30.54 2.29 0.01	30.48 2.13 0.01	31.42 2.24 -0.05	35.44 2.62 -0.86	36.63 2.71 -0.05	38.47 2.82 -0.40	38.73 2.80 -0.07	42.65 2.88 -1.91	50.06 3.20 -8.79	43.72 2.93 -2.67	42.85 2.61 -2.33	36.81 2.28 0.01	32.29 2.17 0.01	29.97 2.21 -0.18	27.12 1.89 0.00
ASTORIA___3 23516	27.40 1.82 0.00	25.28 1.59 0.00	24.10 1.47 0.00	22.90 1.40 0.00	22.99 1.28 0.00	24.78 1.31 0.00	26.91 1.38 0.00	28.25 1.87 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.69 3.03 -0.40	38.95 3.01 -0.07	42.85 3.07 -1.91	50.06 3.20 -8.79	43.87 3.09 -2.67	43.04 2.81 -2.33	37.03 2.49 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA___4 23517	27.27 1.69 0.00	25.16 1.47 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.85 3.07 -1.91	50.06 3.20 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
ASTORIA___5 23518	27.40 1.82 0.00	25.28 1.59 0.00	24.10 1.47 0.00	22.90 1.40 0.00	22.99 1.28 0.00	24.78 1.31 0.00	26.91 1.38 0.00	28.25 1.87 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.69 3.03 -0.40	38.95 3.01 -0.07	42.85 3.07 -1.91	50.06 3.20 -8.79	43.87 3.09 -2.67	43.04 2.81 -2.33	37.03 2.49 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
AST_ENERGY_2_CC3 323677	27.37 1.79 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.85 1.38 0.00	27.04 1.51 0.00	28.33 1.95 0.00	29.57 2.24 0.00	30.71 2.46 0.00	30.71 2.35 0.00	31.60 2.42 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.76 3.10 -0.40	39.02 3.08 -0.07	43.08 3.29 -1.91	50.26 3.39 -8.80	44.11 3.31 -2.68	43.24 2.99 -2.33	37.13 2.59 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
AST_ENERGY_2_CC4 323678	27.37 1.79 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.85 1.38 0.00	27.04 1.51 0.00	28.33 1.95 0.00	29.57 2.24 0.00	30.71 2.46 0.00	30.71 2.35 0.00	31.60 2.42 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.76 3.10 -0.40	39.02 3.08 -0.07	43.08 3.29 -1.91	50.26 3.39 -8.80	44.11 3.31 -2.68	43.24 2.99 -2.33	37.13 2.59 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
ATHENS_STG_1 23668	26.56 0.97 0.00	24.59 0.90 0.00	23.47 0.84 0.00	22.30 0.80 0.00	22.45 0.74 0.00	24.26 0.80 0.00	26.33 0.79 0.00	27.49 1.11 0.00	28.59 1.26 0.00	29.61 1.36 0.00	29.69 1.33 0.00	30.48 1.34 -0.01	34.10 1.57 -0.57	35.51 1.63 -0.01	37.07 1.73 -0.10	37.64 1.76 -0.02	41.95 1.86 -2.22	49.37 1.90 -9.40	43.20 1.90 -3.18	42.46 1.78 -2.77	36.10 1.56 0.00	31.49 1.36 0.00	28.92 1.30 -0.04	26.37 1.14 0.00
ATHENS_STG_2 23670	26.56 0.97 0.00	24.59 0.90 0.00	23.47 0.84 0.00	22.30 0.80 0.00	22.45 0.74 0.00	24.26 0.80 0.00	26.33 0.79 0.00	27.49 1.11 0.00	28.59 1.26 0.00	29.61 1.36 0.00	29.69 1.33 0.00	30.48 1.34 -0.01	34.10 1.57 -0.57	35.51 1.63 -0.01	37.07 1.73 -0.10	37.64 1.76 -0.02	41.95 1.86 -2.22	49.37 1.90 -9.40	43.20 1.90 -3.18	42.46 1.78 -2.77	36.10 1.56 0.00	31.49 1.36 0.00	28.92 1.30 -0.04	26.37 1.14 0.00



ATHENS_STG_3 23677	26.56 0.97 0.00	24.59 0.90 0.00	23.47 0.84 0.00	22.30 0.80 0.00	22.45 0.74 0.00	24.26 0.80 0.00	26.33 0.79 0.00	27.49 1.11 0.00	28.59 1.26 0.00	29.61 1.36 0.00	29.69 1.33 0.00	30.48 1.34 -0.01	34.10 1.57 -0.57	35.51 1.63 -0.01	37.07 1.73 -0.10	37.64 1.76 -0.02	41.95 1.86 -2.22	49.37 1.90 -9.40	43.20 1.90 -3.18	42.46 1.78 -2.77	36.10 1.56 0.00	31.49 1.36 0.00	28.92 1.30 -0.04	26.37 1.14 0.00
AUBURN____LFGE 323710	25.94 0.36 0.00	24.00 0.31 0.00	22.93 0.29 0.00	21.79 0.28 0.00	22.02 0.30 0.00	23.89 0.42 0.00	26.17 0.64 0.00	26.69 0.32 0.00	28.13 0.25 -0.55	29.19 0.23 -0.71	29.40 0.31 -0.73	30.33 0.35 -0.85	32.69 0.29 -0.44	34.24 0.37 0.00	36.10 0.42 -0.43	37.33 0.39 -1.07	39.77 0.49 -1.41	40.77 0.76 -1.94	40.23 0.88 -1.24	38.80 0.53 -0.36	35.64 0.45 -0.66	30.55 0.42 0.00	28.29 0.25 -0.46	25.51 0.28 0.00
BABYLON_RES_REC 323704	32.81 2.58 -4.64	28.85 2.35 -2.82	24.69 2.06 0.00	23.42 1.91 0.00	23.60 1.89 0.00	25.62 2.16 0.00	29.61 2.12 -1.95	32.68 2.51 -3.79	33.08 2.71 -3.04	33.73 2.83 -2.64	35.71 2.64 -4.72	36.28 2.77 -4.39	37.92 3.20 -2.77	40.33 3.42 -3.04	42.46 3.56 -3.65	44.79 3.62 -5.31	51.85 3.67 -10.31	56.41 3.81 -14.52	49.38 3.89 -7.38	45.65 3.64 -4.10	40.03 3.32 -2.18	37.55 3.25 -4.16	31.35 3.06 -0.71	31.11 2.70 -3.17
BABYLON__69_KV_BK2 356345	33.12 2.89 -4.64	29.16 2.65 -2.82	24.94 2.31 0.00	23.59 2.09 0.00	23.91 2.19 0.00	25.91 2.44 0.00	30.15 2.66 -1.95	33.34 3.17 -3.79	33.84 3.47 -3.04	34.50 3.59 -2.66	37.39 3.40 -5.63	39.03 3.58 -6.32	41.14 4.12 -5.05	42.57 4.37 -4.33	44.67 4.44 -4.98	50.32 4.48 -9.98	64.49 4.66 -21.96	68.45 4.80 -25.58	58.97 4.76 -16.09	49.82 4.55 -7.36	42.07 4.08 -3.46	41.01 3.80 -7.08	31.81 3.50 -0.72	31.97 3.08 -3.66
BALL_HILL_WT_PWR 323825	26.10 0.51 0.00	24.19 0.50 0.00	22.97 0.34 0.00	21.89 0.39 0.00	22.04 0.33 0.00	24.10 0.63 0.00	26.46 0.92 0.00	26.62 0.24 0.00	27.30 -0.03 0.00	28.20 -0.06 0.00	28.53 0.17 0.00	29.33 0.20 0.00	31.97 -0.03 -0.04	34.11 0.24 0.00	35.36 0.11 0.00	35.97 0.11 0.00	37.90 -0.15 -0.18	39.26 0.46 -0.73	39.05 0.69 -0.26	37.98 -0.15 -0.22	34.47 -0.07 0.00	30.34 0.21 0.00	27.80 0.22 0.00	25.81 0.58 0.00
BARON_WINDS____WT_PWR 323822	26.10 0.51 0.00	24.23 0.55 0.00	23.02 0.38 0.00	21.89 0.39 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.41 0.87 0.00	26.77 0.40 0.00	27.52 0.19 0.00	28.43 0.17 0.00	28.70 0.34 0.00	29.48 0.35 0.00	32.17 0.16 -0.05	34.14 0.27 0.00	35.50 0.25 0.00	36.15 0.29 0.00	38.17 0.08 -0.23	39.59 0.57 -0.94	39.13 0.69 -0.33	38.33 0.15 -0.27	34.78 0.24 0.00	30.58 0.45 0.00	27.94 0.36 0.00	25.81 0.58 0.00
BARRETT_IC_1 23704	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_10 23701	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_11 23702	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_12 23703	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_2 23705	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_3 23706	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_4 23707	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_5 23708	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_6 23709	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92



BARRETT_IC_7 23710	32.33 2.10 -4.64	28.42 1.92 -2.82	24.31 1.67 0.00	23.01 1.51 0.00	23.32 1.61 0.00	25.20 1.74 0.00	29.33 1.84 -1.95	32.38 2.22 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.39 3.21 -2.94	41.92 3.26 -2.79	45.39 3.48 -4.03	50.49 3.62 -8.80	44.34 3.54 -2.68	43.49 3.26 -2.32	38.86 2.83 -1.49	35.36 2.65 -2.59	30.96 2.68 -0.71	30.49 2.35 -2.91
BARRETT_IC_8 23711	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT_IC_9 23700	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT___1 23545	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BARRETT___2 23546	32.44 2.20 -4.65	28.53 2.01 -2.82	24.43 1.79 -0.01	23.17 1.66 -0.01	23.33 1.61 -0.01	25.30 1.83 -0.01	29.43 1.94 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.52 2.63 -2.64	35.16 2.58 -4.22	35.12 2.65 -3.34	36.49 3.00 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.50 3.26 -2.33	38.86 2.83 -1.49	35.37 2.65 -2.59	30.97 2.67 -0.71	30.50 2.35 -2.92
BATAVIA___115KV_TB1 55881	26.22 0.64 0.00	24.28 0.59 0.00	23.15 0.52 0.00	22.07 0.56 0.00	22.15 0.43 0.00	24.22 0.75 0.00	26.81 1.28 0.00	27.09 0.71 0.00	27.77 0.44 0.00	28.60 0.34 0.00	28.98 0.62 0.00	29.71 0.58 0.00	32.44 0.45 -0.03	34.51 0.64 0.00	35.71 0.46 0.00	36.33 0.47 0.00	38.33 0.30 -0.15	39.66 0.95 -0.63	39.59 1.26 -0.22	38.71 0.61 -0.19	35.13 0.59 0.00	30.85 0.72 0.00	28.10 0.52 0.00	26.06 0.83 0.00
BAYONEEC___CTG1 323682	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG10 323750	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG2 323683	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG3 323684	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG4 323685	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG5 323686	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG6 323687	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG7 323688	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BAYONEEC___CTG8 323689	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00



BAYONEEC___CTG9 323749	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.90 1.40 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.24 2.99 -2.33	37.16 2.62 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
BEACON___LESR 323632	26.38 0.79 0.00	24.40 0.71 0.00	23.25 0.61 0.00	22.09 0.58 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.25 0.71 0.00	27.32 0.95 0.01	28.39 1.06 0.00	25.26 1.16 4.16	28.47 1.22 1.10	30.31 1.25 0.07	33.30 1.44 0.10	35.33 1.53 0.07	36.30 1.55 0.50	37.42 1.65 0.09	41.85 1.66 -2.31	48.38 1.83 -8.48	41.94 1.87 -1.96	42.63 1.74 -2.98	36.16 1.62 0.00	31.42 1.29 0.00	28.51 1.16 0.23	26.21 0.98 0.00
BEAVER RIVER___HYD 24048	25.35 -0.23 0.00	23.45 -0.24 0.00	22.45 -0.18 0.00	21.33 -0.17 0.00	21.54 -0.17 0.00	23.33 -0.14 0.00	25.36 -0.18 0.00	26.22 -0.16 0.00	27.41 -0.22 -0.30	28.22 -0.42 -0.39	28.31 -0.45 -0.40	29.19 -0.41 -0.47	31.56 -0.64 -0.24	33.19 -0.68 0.00	34.92 -0.57 -0.24	36.06 -0.39 -0.59	38.27 -0.34 -0.74	38.84 -0.15 -0.92	38.82 0.08 -0.63	38.02 -0.04 -0.15	34.80 -0.10 -0.36	29.83 -0.30 0.00	27.53 -0.30 -0.26	24.95 -0.28 0.00
BEEBEE_GT_13 23619	26.07 0.49 0.00	24.14 0.45 0.00	23.04 0.41 0.00	21.94 0.43 0.00	22.06 0.35 0.00	24.03 0.56 0.00	26.48 0.94 0.00	26.91 0.53 0.00	27.53 0.33 0.13	28.35 0.25 0.16	28.64 0.45 0.17	29.40 0.47 0.20	32.28 0.38 0.07	34.38 0.51 0.00	35.47 0.32 0.10	35.94 0.32 0.25	38.02 0.30 0.16	39.08 0.76 -0.25	39.06 0.99 0.04	38.60 0.57 -0.13	34.80 0.41 0.15	30.64 0.51 0.00	27.83 0.36 0.11	25.76 0.53 0.00
BENSHRST_27_KV_BENSHRST_1 355998	27.53 1.94 0.00	25.37 1.68 0.00	24.15 1.52 0.00	22.95 1.44 0.00	23.17 1.45 0.00	24.83 1.36 0.00	26.97 1.43 0.00	28.41 2.03 0.00	29.76 2.43 0.00	30.97 2.71 0.00	30.91 2.55 0.00	31.86 2.68 -0.06	35.99 3.16 -0.86	37.25 3.32 -0.06	39.11 3.45 -0.40	39.41 3.48 -0.07	43.38 3.60 -1.91	50.64 3.77 -8.79	44.44 3.66 -2.67	43.52 3.30 -2.32	37.41 2.87 0.00	32.78 2.65 0.00	30.38 2.62 -0.18	27.43 2.20 0.00
BETHLEHEM___GRP 23843	25.89 0.31 0.00	24.00 0.31 0.00	22.88 0.25 0.00	21.72 0.22 0.00	22.00 0.28 0.00	23.68 0.21 0.00	25.74 0.20 0.00	26.87 0.50 0.01	27.90 0.57 0.00	25.17 0.65 3.73	28.02 0.65 0.99	29.70 0.64 0.07	32.69 0.80 0.07	34.59 0.78 0.07	35.62 0.85 0.48	36.67 0.90 0.09	41.10 0.91 -2.32	47.63 0.99 -8.56	41.26 1.03 -2.12	41.83 0.95 -2.98	35.33 0.79 0.00	30.79 0.66 0.00	27.97 0.61 0.22	25.74 0.50 0.00
BETHLEHEM___GS1 323560	25.97 0.38 0.00	24.05 0.36 0.00	22.93 0.29 0.00	21.79 0.28 0.00	21.97 0.26 0.00	23.72 0.26 0.00	25.77 0.23 0.00	26.87 0.50 0.01	27.90 0.57 0.00	25.18 0.65 3.73	28.02 0.65 0.99	29.70 0.64 0.07	32.69 0.80 0.07	34.62 0.81 0.07	35.62 0.84 0.48	36.67 0.90 0.09	41.10 0.91 -2.32	47.62 0.99 -8.56	41.22 0.99 -2.12	41.84 0.95 -2.99	35.37 0.83 0.00	30.79 0.66 0.00	27.97 0.61 0.22	25.74 0.50 0.00
BETHLEHEM___GS2 323561	25.97 0.38 0.00	24.05 0.36 0.00	22.93 0.29 0.00	21.79 0.28 0.00	21.97 0.26 0.00	23.72 0.26 0.00	25.77 0.23 0.00	26.87 0.50 0.01	27.90 0.57 0.00	25.18 0.65 3.73	28.02 0.65 0.99	29.70 0.64 0.07	32.69 0.80 0.07	34.62 0.81 0.07	35.62 0.84 0.48	36.67 0.90 0.09	41.10 0.91 -2.32	47.62 0.99 -8.56	41.22 0.99 -2.12	41.84 0.95 -2.99	35.37 0.83 0.00	30.79 0.66 0.00	27.97 0.61 0.22	25.74 0.50 0.00
BETHLEHEM___GS3 323562	25.97 0.38 0.00	24.05 0.36 0.00	22.93 0.29 0.00	21.79 0.28 0.00	21.97 0.26 0.00	23.72 0.26 0.00	25.77 0.23 0.00	26.87 0.50 0.01	27.90 0.57 0.00	25.18 0.65 3.73	28.02 0.65 0.99	29.70 0.64 0.07	32.69 0.80 0.07	34.62 0.81 0.07	35.62 0.84 0.48	36.67 0.90 0.09	41.10 0.91 -2.32	47.62 0.99 -8.56	41.22 0.99 -2.12	41.84 0.95 -2.99	35.37 0.83 0.00	30.79 0.66 0.00	27.97 0.61 0.22	25.74 0.50 0.00
BETHLEHEM___STEEL 23779	26.05 0.46 0.00	24.14 0.45 0.00	22.93 0.29 0.00	21.85 0.34 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.38 0.84 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.06 -0.20 0.00	28.41 0.06 0.00	29.19 0.06 0.00	31.81 -0.19 -0.04	33.97 0.10 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.66 -0.38 -0.17	39.06 0.27 -0.71	38.86 0.50 -0.25	37.82 -0.30 -0.22	34.33 -0.21 0.00	30.22 0.09 0.00	27.69 0.11 0.00	25.76 0.53 0.00
BETHLHEM_115KV_TB1 79974	25.99 0.41 0.00	24.09 0.40 0.00	22.95 0.32 0.00	21.81 0.30 0.00	22.06 0.35 0.00	23.75 0.28 0.00	25.82 0.28 0.00	26.95 0.58 0.01	27.98 0.66 0.00	25.56 0.76 3.46	28.18 0.74 0.92	29.79 0.73 0.06	32.81 0.89 0.05	34.72 0.91 0.06	35.75 0.95 0.46	36.78 1.00 0.08	41.26 1.06 -2.33	47.80 1.10 -8.62	41.47 1.14 -2.21	41.95 1.06 -2.98	35.47 0.93 0.00	30.88 0.75 0.00	28.09 0.72 0.21	25.81 0.58 0.00
BETHPAGE_CC_5 323564	32.56 2.33 -4.64	28.64 2.13 -2.82	24.49 1.86 0.00	23.23 1.72 0.00	23.41 1.69 0.00	25.39 1.92 0.00	29.58 2.09 -1.95	32.68 2.51 -3.79	33.13 2.76 -3.04	33.84 2.94 -2.64	35.56 2.75 -4.45	35.76 2.80 -3.84	37.27 3.20 -2.12	39.80 3.39 -2.54	42.02 3.52 -3.25	43.29 3.55 -3.88	48.41 3.79 -6.76	53.01 3.89 -11.05	46.68 3.85 -4.72	44.57 3.56 -3.10	39.47 3.14 -1.79	36.33 2.86 -3.34	31.10 2.81 -0.71	30.80 2.55 -3.03
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	26.05 0.46 0.00	24.12 0.43 0.00	22.91 0.27 0.00	21.85 0.34 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.38 0.84 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.81 -0.19 -0.04	34.01 0.14 0.00	35.21 -0.04 0.00	35.83 -0.04 0.00	37.67 -0.38 -0.17	39.06 0.27 -0.72	38.82 0.46 -0.25	37.78 -0.34 -0.22	34.37 -0.17 0.00	30.25 0.12 0.00	27.69 0.11 0.00	25.76 0.53 0.00
BINGHAMTON___COGEN 23790	25.97 0.38 0.00	24.05 0.36 0.00	22.95 0.32 0.00	21.81 0.30 0.00	22.04 0.33 0.00	23.89 0.42 0.00	26.05 0.51 0.00	26.67 0.29 0.00	27.77 0.22 -0.22	28.74 0.20 -0.29	28.94 0.28 -0.30	29.79 0.32 -0.35	32.42 0.22 -0.23	34.21 0.34 0.00	35.81 0.39 -0.18	36.69 0.39 -0.44	39.13 0.42 -0.84	40.62 0.65 -1.90	39.77 0.76 -0.89	38.85 0.45 -0.48	35.19 0.38 -0.27	30.52 0.39 0.00	28.10 0.33 -0.19	25.61 0.38 0.00
BIXINCNT_115KV_LOAD 355685	26.07 0.49 0.00	24.16 0.47 0.00	22.93 0.29 0.00	21.87 0.37 0.00	22.04 0.33 0.00	24.10 0.63 0.00	26.51 0.97 0.00	26.67 0.29 0.00	27.38 0.05 0.00	28.28 0.03 0.00	28.64 0.28 0.00	29.42 0.29 0.00	32.00 0.00 -0.04	34.24 0.37 0.00	35.46 0.21 0.00	36.08 0.22 0.00	37.79 -0.27 -0.18	39.21 0.38 -0.75	38.98 0.61 -0.26	37.87 -0.27 -0.23	34.57 0.03 0.00	30.43 0.30 0.00	27.86 0.28 0.00	25.86 0.63 0.00



BLACK RIVER___HYD 24047	25.51 -0.08 0.00	23.57 -0.12 0.00	22.54 -0.09 0.00	21.44 -0.06 0.00	21.67 -0.04 0.00	23.51 0.05 0.00	25.61 0.08 0.00	26.40 0.03 0.00	27.79 -0.05 -0.52	28.64 -0.28 -0.67	28.74 -0.31 -0.69	29.70 -0.23 -0.80	31.85 -0.51 -0.40	33.26 -0.61 0.00	35.27 -0.39 -0.41	36.73 -0.14 -1.01	39.08 -0.04 -1.25	39.83 0.23 -1.52	39.71 0.53 -1.06	38.49 0.34 -0.25	35.33 0.17 -0.62	30.04 -0.09 0.00	27.91 -0.11 -0.44	25.11 -0.13 0.00
BLACKRVR_115KV_TB2 79977	25.56 -0.03 0.00	23.59 -0.09 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.54 0.07 0.00	25.64 0.10 0.00	26.43 0.05 0.00	27.79 -0.05 -0.52	28.64 -0.28 -0.67	28.74 -0.31 -0.69	29.70 -0.23 -0.80	31.82 -0.54 -0.40	33.30 -0.58 0.00	35.27 -0.39 -0.41	36.73 -0.14 -1.01	39.12 0.00 -1.25	39.86 0.27 -1.52	39.71 0.53 -1.06	38.54 0.38 -0.25	35.33 0.17 -0.62	30.04 -0.09 0.00	27.91 -0.11 -0.44	25.10 -0.13 0.00
BLISS_WT_PWR 323608	26.10 0.51 0.00	24.28 0.59 0.00	22.97 0.34 0.00	21.87 0.37 0.00	22.34 0.63 0.00	24.19 0.73 0.00	26.61 1.07 0.00	26.70 0.32 0.00	27.41 0.08 0.00	28.34 0.09 0.00	28.67 0.31 0.00	29.45 0.32 0.00	32.19 0.19 -0.04	34.21 0.34 0.00	35.50 0.25 0.00	36.11 0.25 0.00	37.71 -0.34 -0.18	39.17 0.34 -0.75	38.79 0.42 -0.26	37.82 -0.30 -0.21	34.57 0.03 0.00	30.46 0.33 0.00	27.88 0.30 0.00	25.89 0.65 0.00
BLUESTONE___WT_PWR 323821	26.89 1.30 0.00	24.87 1.18 0.00	23.74 1.11 0.00	22.56 1.05 0.00	22.84 1.13 0.00	24.80 1.34 0.00	27.04 1.51 0.00	27.72 1.34 0.00	28.83 1.34 -0.16	29.73 1.27 -0.21	29.88 1.31 -0.21	30.85 1.46 -0.26	33.79 1.47 -0.36	35.44 1.56 -0.01	37.35 1.87 -0.23	38.16 1.97 -0.33	40.93 2.12 -0.94	43.51 2.44 -3.00	41.85 2.63 -1.11	40.93 2.54 -0.49	36.94 2.21 -0.19	31.84 1.72 0.00	29.18 1.46 -0.13	26.57 1.34 0.00
BLUE_CIRC_CHEM_DRP 24182	26.33 0.74 0.00	24.40 0.71 0.00	23.27 0.63 0.00	22.09 0.58 0.00	22.34 0.63 0.00	24.08 0.61 0.00	26.15 0.61 0.00	27.30 0.92 0.01	28.34 1.01 0.00	26.89 1.10 2.47	28.78 1.08 0.65	30.16 1.08 0.05	33.31 1.28 -0.07	35.11 1.29 0.05	36.28 1.37 0.35	37.23 1.43 0.06	41.65 1.48 -2.30	48.40 1.56 -8.77	42.22 1.60 -2.51	42.36 1.52 -2.93	35.92 1.38 0.00	31.30 1.17 0.00	28.50 1.08 0.16	26.16 0.93 0.00
BOC_GAS_DRP 24189	26.20 0.61 0.00	24.28 0.59 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.23 0.52 0.00	23.96 0.49 0.00	26.02 0.49 0.00	27.16 0.79 0.00	28.20 0.87 0.00	27.29 0.99 1.96	28.80 0.96 0.52	30.04 0.96 0.05	33.20 1.15 -0.09	35.01 1.19 0.05	36.14 1.23 0.34	37.09 1.29 0.06	41.58 1.36 -2.35	48.45 1.41 -8.96	42.28 1.41 -2.76	42.22 1.33 -2.99	35.68 1.14 0.00	31.12 0.99 0.00	28.36 0.94 0.15	26.04 0.81 0.00
BOONVILLE_115KV_TB1 79983	25.87 0.28 0.00	23.90 0.21 0.00	22.86 0.23 0.00	21.72 0.22 0.00	21.95 0.24 0.00	23.79 0.33 0.00	25.89 0.36 0.00	26.77 0.40 0.00	27.88 0.41 -0.14	28.74 0.31 -0.18	28.85 0.31 -0.18	29.72 0.38 -0.21	32.36 0.29 -0.11	34.18 0.30 0.00	35.81 0.46 -0.11	36.70 0.57 -0.27	38.90 0.68 -0.35	39.36 0.80 -0.49	39.41 0.99 -0.31	38.88 0.87 -0.10	35.39 0.69 -0.16	30.55 0.42 0.00	28.05 0.36 -0.12	25.53 0.30 0.00
BORALEX_4TH_BRANCH 23824	26.84 1.25 0.00	24.87 1.18 0.00	23.65 1.02 0.00	22.50 0.99 0.00	22.67 0.95 0.00	24.52 1.06 0.00	26.66 1.12 0.00	27.87 1.48 -0.01	28.89 1.56 0.00	36.02 1.70 -6.06	31.67 1.70 -1.61	30.63 1.66 0.16	33.01 1.89 0.84	35.68 1.96 0.15	36.21 2.08 1.12	37.73 2.08 0.21	42.32 2.23 -2.22	47.16 2.36 -6.73	46.07 2.40 -5.56	43.15 2.27 -2.97	36.54 2.00 0.00	31.81 1.69 0.00	28.62 1.54 0.51	26.64 1.41 0.00
BOWLINE___1 23526	27.04 1.46 0.00	25.04 1.35 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.78 1.06 0.00	24.61 1.15 0.00	26.76 1.23 0.00	27.96 1.58 0.00	29.13 1.80 0.00	30.23 1.98 0.00	30.26 1.90 0.00	31.13 1.95 -0.05	35.04 2.27 -0.81	36.29 2.37 -0.05	38.16 2.54 -0.37	38.48 2.55 -0.07	42.41 2.73 -1.81	49.26 2.86 -8.32	43.47 2.82 -2.54	42.66 2.54 -2.22	36.72 2.18 0.00	32.09 1.96 0.00	29.63 1.88 -0.17	26.85 1.62 0.00
BOWLINE___2 23595	27.04 1.46 0.00	25.04 1.35 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.78 1.06 0.00	24.61 1.15 0.00	26.76 1.23 0.00	27.96 1.58 0.00	29.13 1.80 0.00	30.23 1.98 0.00	30.26 1.90 0.00	31.13 1.95 -0.05	35.04 2.27 -0.81	36.29 2.37 -0.05	38.16 2.54 -0.37	38.48 2.55 -0.07	42.41 2.73 -1.81	49.26 2.86 -8.33	43.48 2.82 -2.54	42.66 2.54 -2.22	36.72 2.18 0.00	32.09 1.96 0.00	29.63 1.88 -0.17	26.85 1.62 0.00
BRADY___115KV_TB2 356060	25.33 -0.26 0.00	23.43 -0.26 0.00	22.52 -0.11 0.00	21.38 -0.13 0.00	21.56 -0.15 0.00	23.28 -0.19 0.00	25.20 -0.33 0.00	26.11 -0.26 0.00	27.00 -0.33 0.00	27.80 -0.45 0.00	27.88 -0.48 0.00	28.60 -0.52 0.00	31.39 -0.58 0.00	33.26 -0.61 0.00	34.58 -0.67 0.00	35.18 -0.68 0.00	37.15 -0.72 0.00	37.28 -0.80 0.00	37.27 -0.84 0.00	37.34 -0.57 0.00	34.16 -0.38 0.00	29.65 -0.48 0.00	27.17 -0.41 0.00	24.88 -0.35 0.00
BRANSCOMB___SOLAR 323811	26.81 1.23 0.00	24.76 1.07 0.00	23.58 0.95 0.00	22.41 0.90 0.00	22.60 0.89 0.00	24.47 1.01 0.00	26.66 1.12 0.00	27.92 1.53 -0.01	29.02 1.69 0.00	34.52 1.72 -4.54	31.29 1.73 -1.20	30.73 1.69 0.09	33.46 1.76 0.26	35.68 1.90 0.09	36.48 1.87 0.64	37.71 1.97 0.12	42.25 2.04 -2.34	48.64 2.28 -8.28	45.57 2.36 -5.10	43.25 2.31 -3.03	36.68 2.14 0.00	31.94 1.81 0.00	28.89 1.60 0.29	26.69 1.46 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	32.97 2.74 -4.64	29.04 2.53 -2.82	24.85 2.22 0.00	23.51 2.00 0.00	23.82 2.11 0.00	25.81 2.35 0.00	30.09 2.60 -1.95	33.26 3.09 -3.79	33.76 3.39 -3.04	34.36 3.45 -2.66	38.32 3.18 -6.78	42.34 3.38 -9.84	45.09 3.90 -9.23	45.43 4.13 -7.42	44.50 4.02 -5.24	50.72 3.98 -10.88	66.11 4.01 -24.22	69.42 4.15 -27.20	60.01 4.12 -17.78	49.89 3.98 -8.00	41.87 3.63 -3.70	46.03 3.49 -12.41	31.56 3.25 -0.72	31.83 2.85 -3.75
BRISTLHL_115KV_TB1 79998	25.41 -0.18 0.00	23.50 -0.19 0.00	22.45 -0.18 0.00	21.34 -0.17 0.00	21.54 -0.17 0.00	23.32 -0.14 0.00	25.49 -0.05 0.00	26.01 -0.37 0.00	28.03 -0.46 -1.16	29.24 -0.51 -1.49	29.43 -0.48 -1.55	30.46 -0.47 -1.80	32.21 -0.64 -0.89	33.23 -0.64 0.00	35.53 -0.63 -0.91	37.47 -0.65 -2.26	39.99 -0.64 -2.76	40.86 -0.46 -3.24	40.09 -0.34 -2.32	37.84 -0.57 -0.50	35.34 -0.59 -1.38	29.68 -0.45 0.00	28.12 -0.44 -0.98	24.85 -0.38 0.00
BROOKHAVEN___DRP 24191	33.09 2.87 -4.64	29.14 2.63 -2.82	24.92 2.29 0.00	23.55 2.04 0.00	23.88 2.17 0.00	25.88 2.42 0.00	30.17 2.68 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.59 3.62 -2.72	39.89 3.35 -8.19	41.17 3.47 -8.58	43.63 3.96 -7.70	42.64 4.20 -4.57	52.35 4.30 -12.80	77.75 4.41 -37.48	133.07 4.62 -90.58	132.68 4.80 -89.81	110.30 4.76 -67.42	69.03 4.47 -26.65	49.50 3.97 -10.99	44.19 3.62 -10.45	31.76 3.39 -0.79	34.76 3.03 -6.50



BROOKLYN_NAVY_YARD 23515	27.37 1.79 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.87 1.41 0.00	27.09 1.56 0.00	28.41 2.03 0.00	29.65 2.32 0.00	30.83 2.57 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.86 3.21 -0.40	39.09 3.16 -0.07	43.19 3.41 -1.91	50.37 3.50 -8.80	44.22 3.43 -2.68	43.35 3.11 -2.33	37.20 2.66 0.00	32.60 2.47 0.00	30.19 2.43 -0.18	27.27 2.04 0.00
BROOKLYN___ARMY_DRP 323595	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
BROOKVLE_69_KV_TB1 55790	32.43 2.20 -4.64	28.50 1.99 -2.82	24.38 1.74 0.00	23.10 1.59 0.00	23.36 1.65 0.00	25.25 1.78 0.00	29.43 1.94 -1.95	32.60 2.43 -3.79	33.13 2.76 -3.04	33.89 3.00 -2.64	35.42 2.84 -4.22	35.41 2.94 -3.34	36.85 3.36 -1.53	39.52 3.56 -2.09	41.92 3.74 -2.94	42.45 3.80 -2.79	45.92 4.01 -4.03	51.03 4.15 -8.80	44.87 4.08 -2.68	43.98 3.75 -2.32	39.31 3.28 -1.49	35.64 2.92 -2.59	31.13 2.84 -0.71	30.62 2.47 -2.91
BROOME_2_LFGE 323671	25.99 0.41 0.00	24.09 0.40 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.10 0.39 0.00	23.91 0.44 0.00	26.07 0.54 0.00	26.67 0.29 0.00	27.77 0.22 -0.22	28.74 0.20 -0.29	28.94 0.28 -0.30	29.80 0.32 -0.35	32.45 0.25 -0.23	34.18 0.30 0.00	35.81 0.39 -0.18	36.69 0.40 -0.44	39.05 0.34 -0.84	40.58 0.61 -1.90	39.69 0.69 -0.89	38.78 0.42 -0.45	35.19 0.38 -0.27	30.52 0.39 0.00	28.10 0.33 -0.19	25.61 0.38 0.00
BROOME___LFGE 323600	25.99 0.41 0.00	24.09 0.40 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.10 0.39 0.00	23.91 0.44 0.00	26.07 0.54 0.00	26.67 0.29 0.00	27.77 0.22 -0.22	28.74 0.20 -0.29	28.94 0.28 -0.30	29.80 0.32 -0.35	32.45 0.25 -0.23	34.18 0.30 0.00	35.81 0.39 -0.18	36.69 0.40 -0.44	39.05 0.34 -0.84	40.58 0.61 -1.90	39.69 0.69 -0.89	38.78 0.42 -0.45	35.19 0.38 -0.27	30.52 0.39 0.00	28.10 0.33 -0.19	25.61 0.38 0.00
BROWNFLS_115KV_TB_3_5 80003	25.28 -0.31 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.29 -0.22 0.00	21.45 -0.26 0.00	23.18 -0.28 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.77 -0.28	28.66 -0.79 -0.32	31.16 -0.96 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.44 -0.91 -0.48	37.75 -0.84 -0.51	37.78 -0.72 -0.39	37.29 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
BROWNSV1_27_KV_LOAD 356125	27.53 1.94 0.00	25.42 1.73 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.21 1.50 0.00	24.99 1.53 0.00	27.22 1.69 0.00	28.59 2.22 0.00	29.90 2.57 0.00	31.08 2.83 0.00	31.02 2.67 0.00	31.95 2.77 -0.06	36.09 3.26 -0.86	37.31 3.39 -0.06	39.21 3.56 -0.40	39.49 3.55 -0.07	43.61 3.82 -1.91	50.83 3.96 -8.80	44.68 3.89 -2.68	43.76 3.53 -2.32	37.54 3.00 0.00	32.90 2.77 0.00	30.47 2.70 -0.18	27.53 2.30 0.00
BURROWS___LYONSDAL 23803	25.76 0.18 0.00	23.83 0.14 0.00	22.79 0.16 0.00	21.66 0.15 0.00	21.87 0.15 0.00	23.70 0.23 0.00	25.79 0.26 0.00	26.67 0.29 0.00	27.80 0.30 -0.17	28.64 0.17 -0.22	28.75 0.17 -0.23	29.62 0.23 -0.26	32.22 0.13 -0.13	33.97 0.10 0.00	35.66 0.28 -0.13	36.58 0.39 -0.33	38.79 0.49 -0.43	39.29 0.65 -0.57	39.32 0.84 -0.37	38.74 0.72 -0.11	35.29 0.55 -0.20	30.43 0.30 0.00	27.94 0.22 -0.14	25.43 0.20 0.00
CAITHNESS_CC_1 323624	33.09 2.86 -4.64	29.11 2.61 -2.82	24.92 2.29 0.00	23.62 2.11 0.00	23.80 2.08 0.00	25.86 2.39 0.00	30.15 2.66 -1.95	33.29 3.11 -3.80	33.74 3.36 -3.05	34.45 3.47 -2.72	39.72 3.18 -8.19	41.00 3.32 -8.56	43.44 3.80 -7.68	44.68 3.99 -6.82	52.20 4.12 -12.83	77.65 4.19 -37.59	133.08 4.35 -90.86	132.49 4.53 -89.89	110.20 4.46 -67.64	68.86 4.21 -26.74	49.39 3.83 -11.02	43.98 3.43 -10.42	31.62 3.25 -0.79	34.64 2.90 -6.51
CALPINE BETH_PAGE_GT4 24209	32.40 2.17 -4.64	28.52 2.01 -2.82	24.35 1.72 0.00	23.06 1.55 0.00	23.34 1.63 0.00	25.27 1.81 0.00	29.46 1.97 -1.95	32.60 2.43 -3.79	33.10 2.73 -3.04	33.84 2.94 -2.64	35.52 2.78 -4.39	35.60 2.77 -3.70	37.08 3.16 -1.95	39.53 3.32 -2.34	41.91 3.49 -3.17	43.01 3.55 -3.60	47.72 3.79 -6.06	52.47 3.92 -10.48	46.16 3.85 -4.20	44.36 3.56 -2.89	39.36 3.11 -1.71	36.06 2.80 -3.13	31.10 2.81 -0.71	30.73 2.50 -3.00
CALPINE_BETH_PAGE_GT_4 323586	32.53 2.30 -4.64	28.59 2.09 -2.82	24.45 1.81 0.00	23.21 1.70 0.00	23.36 1.65 0.00	25.37 1.90 0.00	29.53 2.04 -1.95	32.62 2.45 -3.79	33.10 2.73 -3.04	33.84 2.94 -2.64	35.53 2.78 -4.39	35.60 2.77 -3.70	37.08 3.16 -1.95	39.61 3.32 -2.42	41.94 3.52 -3.17	43.02 3.55 -3.60	47.68 3.75 -6.06	52.44 3.89 -10.48	46.12 3.81 -4.20	44.37 3.56 -2.90	39.36 3.11 -1.71	36.06 2.80 -3.13	31.10 2.81 -0.71	30.73 2.50 -3.00
CALPINE_BP_GT1 23823	32.53 2.30 -4.64	28.59 2.09 -2.82	24.45 1.81 0.00	23.21 1.70 0.00	23.36 1.65 0.00	25.37 1.90 0.00	29.53 2.04 -1.95	32.62 2.45 -3.79	33.10 2.73 -3.04	33.84 2.94 -2.64	35.53 2.78 -4.39	35.60 2.77 -3.70	37.08 3.16 -1.95	39.61 3.32 -2.42	41.94 3.52 -3.17	43.02 3.55 -3.60	47.68 3.75 -6.06	52.44 3.89 -10.48	46.12 3.81 -4.20	44.37 3.56 -2.90	39.36 3.11 -1.71	36.06 2.80 -3.13	31.10 2.81 -0.71	30.73 2.50 -3.00
CALSPAN___DRP 24200	26.05 0.46 0.00	24.14 0.45 0.00	22.93 0.29 0.00	21.85 0.34 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.38 0.84 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.06 -0.20 0.00	28.41 0.06 0.00	29.19 0.06 0.00	31.81 -0.19 -0.04	33.97 0.10 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.66 -0.38 -0.17	39.06 0.27 -0.71	38.86 0.50 -0.25	37.82 -0.30 -0.22	34.33 -0.21 0.00	30.22 0.09 0.00	27.69 0.11 0.00	25.76 0.53 0.00
CALVERTON___SOLAR 323806	33.76 3.53 -4.64	29.73 3.22 -2.82	25.46 2.83 0.00	24.13 2.62 0.00	24.32 2.60 0.00	26.45 2.98 0.00	30.79 3.30 -1.95	33.98 3.80 -3.80	34.48 4.10 -3.05	35.24 4.27 -2.72	40.55 4.00 -8.19	41.84 4.11 -8.60	44.39 4.70 -7.73	45.74 5.01 -6.86	53.24 5.22 -12.77	78.63 5.38 -37.40	133.92 5.68 -90.37	133.77 5.86 -89.83	111.21 5.83 -67.27	70.05 5.53 -26.61	50.48 4.97 -10.97	45.02 4.40 -10.49	32.39 4.03 -0.79	35.28 3.56 -6.49
CANDIGU_WT_PWR 323617	26.10 0.51 0.00	24.23 0.55 0.00	23.02 0.38 0.00	21.89 0.39 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.41 0.87 0.00	26.77 0.40 0.00	27.52 0.19 0.00	28.43 0.17 0.00	28.70 0.34 0.00	29.48 0.35 0.00	32.17 0.16 -0.05	34.14 0.27 0.00	35.50 0.25 0.00	36.15 0.29 0.00	38.17 0.08 -0.23	39.59 0.57 -0.94	39.13 0.69 -0.33	38.33 0.15 -0.27	34.78 0.24 0.00	30.58 0.45 0.00	27.94 0.36 0.00	25.81 0.58 0.00



CARR STREET_E__SYR 24060	25.48 -0.10 0.00	23.60 -0.09 0.00	22.52 -0.11 0.00	21.40 -0.11 0.00	21.67 -0.04 0.00	23.42 -0.05 0.00	25.59 0.05 0.00	26.14 -0.24 0.00	27.33 -0.30 -0.30	28.21 -0.42 -0.38	28.30 -0.45 -0.40	29.15 -0.44 -0.46	31.66 -0.54 -0.24	33.30 -0.58 0.00	34.92 -0.57 -0.23	35.86 -0.58 -0.58	38.05 -0.61 -0.79	38.82 -0.42 -1.16	38.48 -0.34 -0.71	37.60 -0.53 -0.22	34.34 -0.55 -0.35	29.68 -0.45 0.00	27.44 -0.39 -0.25	25.00 -0.23 0.00
CARTHAGE__PAPER 23857	25.38 -0.21 0.00	23.45 -0.24 0.00	22.45 -0.18 0.00	21.33 -0.17 0.00	21.56 -0.15 0.00	23.37 -0.09 0.00	25.43 -0.10 0.00	26.27 -0.11 0.00	27.60 -0.16 -0.44	28.42 -0.40 -0.56	28.51 -0.42 -0.58	29.42 -0.38 -0.67	31.66 -0.64 -0.34	33.19 -0.68 0.00	35.06 -0.53 -0.34	36.38 -0.32 -0.85	38.70 -0.23 -1.05	39.36 0.00 -1.29	39.24 0.23 -0.90	38.23 0.11 -0.21	35.06 0.00 -0.52	29.89 -0.24 0.00	27.70 -0.25 -0.37	25.00 -0.23 0.00
CASSADAGA_WT_PWR 323784	26.61 1.02 0.00	24.73 1.04 0.00	23.40 0.77 0.00	22.26 0.75 0.00	22.76 1.04 0.00	24.64 1.17 0.00	27.09 1.56 0.00	27.25 0.87 0.00	27.85 0.52 0.00	28.79 0.54 0.00	29.18 0.82 0.00	29.97 0.85 0.00	32.76 0.77 -0.04	34.79 0.91 0.00	36.06 0.81 0.00	36.72 0.86 0.00	38.51 0.46 -0.18	39.97 1.14 -0.75	39.63 1.26 -0.26	38.61 0.49 -0.21	35.16 0.62 0.00	30.91 0.78 0.00	28.27 0.69 0.00	26.16 0.93 0.00
CE_DUNWOOD__DRP 24194	27.15 1.56 0.00	25.11 1.42 0.00	23.90 1.27 0.00	22.69 1.18 0.00	22.91 1.19 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.15 1.77 0.00	29.38 2.05 0.00	30.49 2.23 0.00	30.51 2.16 0.00	31.40 2.21 -0.06	35.41 2.59 -0.86	36.60 2.68 -0.06	38.51 2.86 -0.40	38.80 2.87 -0.07	42.88 3.11 -1.91	50.04 3.20 -8.77	43.94 3.16 -2.67	43.10 2.88 -2.31	36.99 2.45 0.00	32.33 2.20 0.00	29.89 2.12 -0.18	27.07 1.84 0.00
CE_MILLWOOD__DRP 24193	27.09 1.51 0.00	25.09 1.40 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.86 1.15 0.00	24.64 1.17 0.00	26.79 1.25 0.00	28.09 1.71 0.00	29.32 1.99 0.00	30.43 2.18 0.00	30.46 2.10 0.00	31.34 2.16 -0.06	35.31 2.49 -0.85	36.53 2.61 -0.05	38.40 2.75 -0.40	38.73 2.80 -0.07	42.76 2.99 -1.89	49.90 3.12 -8.71	43.85 3.09 -2.65	43.01 2.81 -2.30	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	27.00 1.77 0.00
CE_NYC2_DRP 24202	27.30 1.71 0.00	25.18 1.49 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.71 1.24 0.00	26.86 1.33 0.00	28.25 1.87 0.00	29.57 2.24 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.67 2.84 -0.86	36.91 2.98 -0.06	38.72 3.07 -0.40	39.02 3.08 -0.07	42.96 3.18 -1.91	50.14 3.27 -8.79	43.99 3.20 -2.67	43.10 2.88 -2.32	37.06 2.52 0.00	32.51 2.38 0.00	30.11 2.34 -0.18	27.20 1.97 0.00
CE_NYC_DRP 24195	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.80 1.34 0.00	27.02 1.48 0.00	28.38 2.00 0.00	29.65 2.32 0.00	30.83 2.57 0.00	30.80 2.44 0.00	31.72 2.53 -0.06	35.77 2.94 -0.86	37.01 3.08 -0.06	38.86 3.21 -0.40	39.16 3.23 -0.07	43.23 3.45 -1.91	50.41 3.54 -8.80	44.26 3.47 -2.68	43.34 3.11 -2.32	37.23 2.69 0.00	32.63 2.50 0.00	30.22 2.45 -0.18	27.32 2.09 0.00
CHAFFEE__LFGE 323603	26.02 0.43 0.00	24.19 0.50 0.00	22.91 0.27 0.00	21.81 0.30 0.00	22.26 0.54 0.00	24.07 0.61 0.00	26.43 0.89 0.00	26.51 0.13 0.00	27.22 -0.11 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.93 -0.06 -0.04	33.94 0.07 0.00	35.21 -0.04 0.00	35.86 0.00 0.00	37.63 -0.42 -0.18	39.04 0.23 -0.73	38.71 0.34 -0.26	37.77 -0.34 -0.21	34.40 -0.14 0.00	30.28 0.15 0.00	27.72 0.14 0.00	25.76 0.53 0.00
CHATEAUG_35_KV_LOAD 355732	25.97 0.38 0.00	24.02 0.33 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.19 0.48 0.00	23.98 0.52 0.00	26.07 0.54 0.00	27.04 0.66 0.00	27.90 0.57 0.00	28.77 0.51 0.00	28.87 0.51 0.00	29.59 0.47 0.00	32.47 0.51 0.00	34.48 0.61 0.00	35.71 0.46 0.00	36.26 0.39 0.00	38.32 0.45 0.00	38.53 0.46 0.00	38.49 0.38 0.00	38.48 0.57 0.00	35.26 0.73 0.00	30.61 0.48 0.00	28.02 0.44 0.00	25.58 0.35 0.00
CHATEAUG_WT_PWR 323614	25.99 0.41 0.00	24.05 0.36 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.21 0.50 0.00	24.01 0.54 0.00	26.12 0.59 0.00	27.06 0.68 0.00	27.93 0.60 0.00	28.79 0.54 0.00	28.87 0.51 0.00	29.62 0.49 0.00	32.47 0.51 0.00	34.51 0.64 0.00	35.74 0.49 0.00	36.29 0.43 0.00	38.40 0.53 0.00	38.57 0.49 0.00	38.57 0.46 0.00	38.55 0.64 0.00	35.27 0.73 0.00	30.61 0.48 0.00	28.05 0.47 0.00	25.61 0.38 0.00
CHAT_HIGH_FALL_HYD 323578	25.97 0.38 0.00	24.02 0.33 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.19 0.48 0.00	23.98 0.52 0.00	26.10 0.56 0.00	27.04 0.66 0.00	27.90 0.57 0.00	28.77 0.51 0.00	28.87 0.51 0.00	29.59 0.46 0.00	32.44 0.48 0.00	34.48 0.61 0.00	35.71 0.46 0.00	36.26 0.40 0.00	38.36 0.49 0.00	38.57 0.49 0.00	38.57 0.46 0.00	38.51 0.60 0.00	35.27 0.73 0.00	30.61 0.48 0.00	28.02 0.44 0.00	25.58 0.35 0.00
CHAUTAUQUA__LFGE 323629	26.38 0.79 0.00	24.52 0.83 0.00	23.22 0.59 0.00	22.09 0.58 0.00	22.56 0.85 0.00	24.40 0.94 0.00	26.81 1.28 0.00	26.93 0.55 0.00	27.60 0.27 0.00	28.51 0.25 0.00	28.90 0.54 0.00	29.68 0.55 0.00	32.41 0.41 -0.04	34.48 0.61 0.00	35.74 0.49 0.00	36.40 0.54 0.00	38.24 0.19 -0.18	39.65 0.84 -0.74	39.32 0.95 -0.26	38.35 0.23 -0.21	34.88 0.35 0.00	30.70 0.57 0.00	28.08 0.50 0.00	26.04 0.81 0.00
CHERRYST_13_KV_LD 356241	27.40 1.82 0.00	25.32 1.63 0.00	24.13 1.49 0.00	22.91 1.40 0.00	23.12 1.41 0.00	24.87 1.41 0.00	27.09 1.56 0.00	28.46 2.08 0.00	29.76 2.43 0.00	30.94 2.68 0.00	30.88 2.52 0.00	31.84 2.65 -0.06	35.93 3.10 -0.86	37.14 3.22 -0.06	39.04 3.38 -0.40	39.31 3.37 -0.07	43.42 3.64 -1.91	50.60 3.73 -8.80	44.41 3.62 -2.68	43.49 3.26 -2.32	37.34 2.80 0.00	32.75 2.62 0.00	30.30 2.54 -0.18	27.40 2.17 0.00
CHESTROR_138KV_BK263 355645	26.71 1.13 0.00	24.73 1.04 0.00	23.58 0.95 0.00	22.39 0.88 0.00	22.60 0.89 0.00	24.36 0.89 0.00	26.48 0.94 0.00	27.64 1.27 0.00	28.78 1.45 0.00	29.84 1.58 0.00	29.89 1.53 0.00	30.75 1.57 -0.05	34.51 1.82 -0.73	35.85 1.93 -0.05	37.63 2.04 -0.33	38.00 2.08 -0.06	41.79 2.23 -1.68	48.11 2.36 -7.68	42.83 2.36 -2.36	42.07 2.12 -2.04	36.34 1.80 0.00	31.72 1.60 0.00	29.28 1.54 -0.15	26.57 1.34 0.00
CH_MIDHUDSON__DRP 24192	26.94 1.36 0.00	24.95 1.26 0.00	23.74 1.11 0.00	22.54 1.03 0.00	22.76 1.04 0.00	24.52 1.06 0.00	26.66 1.12 0.00	27.88 1.50 0.00	29.05 1.72 0.00	30.15 1.89 0.00	30.17 1.81 0.00	31.00 1.84 -0.04	34.84 2.17 -0.70	36.14 2.24 -0.04	37.91 2.40 -0.26	38.35 2.44 -0.05	42.43 2.61 -1.95	49.45 2.74 -8.63	43.62 2.74 -2.76	42.80 2.50 -2.39	36.72 2.18 0.00	32.03 1.90 0.00	29.49 1.79 -0.12	26.82 1.59 0.00



CH_MISC_IPPS 23765	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.84 1.30 0.00	28.01 1.64 0.00	29.10 1.78 0.00	30.20 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.50 2.73 -1.90	49.46 2.89 -8.49	43.69 2.90 -2.68	42.89 2.65 -2.33	36.89 2.35 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.66 0.00
CH_RES_BVR_FALLS 23983	25.28 -0.31 0.00	23.41 -0.28 0.00	22.41 -0.23 0.00	21.27 -0.24 0.00	21.47 -0.24 0.00	23.21 -0.26 0.00	25.23 -0.31 0.00	26.09 -0.29 0.00	27.03 -0.30 0.00	27.95 -0.31 0.00	28.05 -0.31 0.00	28.78 -0.35 0.00	31.58 -0.38 0.00	33.50 -0.37 0.00	34.83 -0.42 0.00	35.39 -0.47 0.00	37.42 -0.45 0.00	37.50 -0.57 0.00	37.50 -0.61 0.00	37.45 -0.45 0.00	34.16 -0.38 0.00	29.77 -0.36 0.00	27.25 -0.33 0.00	24.93 -0.30 0.00
CH_RES_NIAGARA 23895	25.38 -0.21 0.00	23.57 -0.12 0.00	22.34 -0.29 0.00	21.27 -0.24 0.00	21.69 -0.02 0.00	23.47 0.00 0.00	25.69 0.15 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.75 -1.12 0.00	33.98 -1.27 0.00	34.60 -1.26 0.00	36.44 -1.59 -0.16	37.79 -0.95 -0.67	37.51 -0.84 -0.23	36.62 -1.48 -0.19	33.09 -1.45 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
CH_RES_SYRACUSE 23985	25.61 0.03 0.00	23.71 0.02 0.00	22.63 0.00 0.00	21.53 0.02 0.00	21.78 0.07 0.00	23.56 0.09 0.00	25.72 0.18 0.00	26.30 -0.08 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	29.00 -0.17 -0.81	29.92 -0.14 -0.94	32.21 -0.22 -0.48	33.64 -0.24 0.00	35.51 -0.21 -0.47	36.82 -0.21 -1.18	39.19 -0.19 -1.50	40.03 0.00 -1.96	39.53 0.11 -1.30	38.13 -0.11 -0.34	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
CLINTON_WT_PWR 323605	25.99 0.41 0.00	24.05 0.36 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.21 0.50 0.00	24.01 0.54 0.00	26.12 0.59 0.00	27.06 0.68 0.00	27.93 0.60 0.00	28.79 0.54 0.00	28.87 0.51 0.00	29.62 0.49 0.00	32.47 0.51 0.00	34.51 0.64 0.00	35.74 0.49 0.00	36.29 0.43 0.00	38.40 0.53 0.00	38.57 0.49 0.00	38.57 0.46 0.00	38.55 0.64 0.00	35.27 0.73 0.00	30.61 0.48 0.00	28.05 0.47 0.00	25.61 0.38 0.00
CLINTON__LFGE 323618	26.33 0.74 0.00	24.33 0.64 0.00	23.47 0.84 0.00	22.26 0.75 0.00	22.52 0.80 0.00	24.36 0.89 0.00	26.53 0.99 0.00	27.49 1.11 0.00	28.31 0.98 0.00	29.19 0.93 0.00	29.26 0.91 0.00	30.00 0.87 0.00	32.89 0.93 0.00	34.96 1.08 0.00	36.16 0.91 0.00	36.72 0.86 0.00	38.89 1.02 0.00	39.18 1.10 0.00	39.18 1.07 0.00	39.08 1.18 0.00	35.82 1.28 0.00	31.06 0.93 0.00	28.44 0.86 0.00	25.94 0.71 0.00
COBBLENY_34_KV_TB1 80064	26.05 0.46 0.00	24.12 0.43 0.00	22.91 0.27 0.00	21.83 0.32 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.40 0.87 0.00	26.54 0.16 0.00	27.22 -0.11 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.84 -0.16 -0.04	34.01 0.14 0.00	35.25 0.00 0.00	35.86 0.00 0.00	37.71 -0.34 -0.18	39.15 0.34 -0.73	38.90 0.53 -0.26	37.86 -0.27 -0.22	34.40 -0.14 0.00	30.25 0.12 0.00	27.72 0.14 0.00	25.76 0.53 0.00
COFFEEN__115KV_TB3 355620	25.69 0.10 0.00	23.71 0.02 0.00	22.68 0.05 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.68 0.21 0.00	25.79 0.26 0.00	26.59 0.21 0.00	27.97 0.11 -0.54	28.77 -0.17 -0.69	28.87 -0.20 -0.71	29.84 -0.12 -0.83	31.96 -0.42 -0.41	33.43 -0.44 0.00	35.46 -0.21 -0.42	36.97 0.07 -1.04	39.38 0.23 -1.29	40.17 0.53 -1.56	40.08 0.88 -1.09	38.85 0.68 -0.26	35.62 0.45 -0.64	30.25 0.12 0.00	28.06 0.03 -0.45	25.23 0.00 0.00
COLDSPRG_115KV_BK1 355956	26.48 0.90 0.00	24.54 0.85 0.00	23.29 0.66 0.00	22.20 0.69 0.00	22.41 0.69 0.00	24.50 1.03 0.00	26.97 1.43 0.00	27.22 0.84 0.00	27.79 0.46 0.00	28.77 0.51 0.00	29.12 0.77 0.00	29.91 0.79 0.00	32.58 0.58 -0.04	34.82 0.95 0.00	36.03 0.78 0.00	36.65 0.79 0.00	38.44 0.38 -0.19	39.87 1.03 -0.77	39.64 1.26 -0.27	38.48 0.34 -0.23	35.13 0.59 0.00	30.85 0.72 0.00	28.19 0.61 0.00	26.09 0.86 0.00
COLONIE_LFGE__ 323577	26.58 1.00 0.00	24.61 0.92 0.00	23.45 0.81 0.00	22.28 0.77 0.00	22.47 0.76 0.00	24.29 0.82 0.00	26.41 0.87 0.00	27.66 1.27 -0.02	28.69 1.37 0.00	37.60 1.47 -7.87	31.92 1.47 -2.09	30.48 1.46 0.10	33.22 1.63 0.38	35.50 1.73 0.10	36.28 1.76 0.73	37.55 1.83 0.14	42.07 1.89 -2.31	48.08 2.05 -7.95	46.46 2.09 -6.26	42.93 2.01 -3.01	36.33 1.79 0.00	31.63 1.51 0.00	28.63 1.38 0.33	26.44 1.21 0.00
COOPERNY_115KV_TB1 80082	26.43 0.84 0.00	24.47 0.78 0.00	23.36 0.72 0.00	22.17 0.67 0.00	22.39 0.67 0.00	24.15 0.68 0.00	26.25 0.72 0.00	27.35 0.98 0.00	28.45 1.12 0.00	29.47 1.22 0.00	29.52 1.16 0.00	30.38 1.22 -0.03	33.82 1.41 -0.45	35.39 1.49 -0.03	37.03 1.59 -0.20	37.55 1.65 -0.04	40.71 1.78 -1.06	44.77 1.87 -4.83	41.48 1.87 -1.50	40.76 1.55 -1.30	35.85 1.31 0.00	31.30 1.17 0.00	28.78 1.10 -0.09	26.19 0.96 0.00
COPENHAGEN_WT_PWR 323753	25.48 -0.10 0.00	23.55 -0.14 0.00	22.52 -0.11 0.00	21.42 -0.09 0.00	21.65 -0.06 0.00	23.49 0.02 0.00	25.59 0.05 0.00	26.38 0.00 0.00	27.78 -0.11 -0.56	28.64 -0.34 -0.72	28.77 -0.34 -0.75	29.70 -0.29 -0.87	31.85 -0.54 -0.43	33.23 -0.64 0.00	35.27 -0.42 -0.44	36.74 -0.21 -1.09	39.07 -0.15 -1.35	39.83 0.11 -1.64	39.64 0.38 -1.14	38.40 0.23 -0.26	35.28 0.07 -0.67	29.98 -0.15 0.00	27.89 -0.16 -0.47	25.08 -0.15 0.00
CORNELL____ 23752	26.20 0.61 0.00	24.23 0.54 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.23 0.52 0.00	24.12 0.66 0.00	26.38 0.84 0.00	26.98 0.61 0.00	28.20 0.55 -0.32	29.18 0.51 -0.41	29.35 0.57 -0.43	30.23 0.61 -0.49	32.79 0.54 -0.29	34.51 0.64 0.00	36.24 0.74 -0.25	37.24 0.75 -0.62	39.75 0.91 -0.97	41.07 1.22 -1.78	40.43 1.37 -0.95	39.38 1.06 -0.41	35.82 0.90 -0.38	30.88 0.75 0.00	28.46 0.61 -0.27	25.84 0.61 0.00
CORONAAV_69_KV_TB1 355595	32.45 2.23 -4.64	28.54 2.04 -2.82	24.40 1.77 0.00	23.14 1.63 0.00	23.41 1.69 0.00	25.30 1.83 0.00	29.48 1.99 -1.95	32.60 2.43 -3.79	33.05 2.68 -3.04	33.81 2.91 -2.64	35.42 2.84 -4.22	35.38 2.91 -3.34	36.81 3.32 -1.53	39.42 3.45 -2.09	41.85 3.67 -2.94	42.35 3.69 -2.79	45.84 3.94 -4.03	50.99 4.11 -8.80	44.83 4.04 -2.68	43.98 3.75 -2.32	39.31 3.28 -1.49	35.67 2.95 -2.59	31.13 2.84 -0.71	30.64 2.50 -2.91
CORTLAND_115KV_TB3 80093	25.99 0.41 0.00	24.05 0.36 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.04 0.33 0.00	23.89 0.42 0.00	26.10 0.56 0.00	26.72 0.34 0.00	27.96 0.30 -0.33	28.94 0.25 -0.43	29.11 0.31 -0.44	29.99 0.35 -0.51	32.54 0.29 -0.29	34.21 0.34 0.00	35.93 0.42 -0.26	36.97 0.47 -0.65	39.35 0.53 -0.95	40.44 0.76 -1.60	39.92 0.91 -0.90	38.86 0.61 -0.35	35.42 0.48 -0.40	30.55 0.42 0.00	28.19 0.33 -0.28	25.58 0.35 0.00



COXSACKIE___GT 23611	26.74 1.15 0.00	24.66 0.97 0.00	23.52 0.88 0.00	22.35 0.84 0.00	22.58 0.87 0.00	24.33 0.87 0.00	26.58 1.05 0.00	27.80 1.42 0.01	28.45 1.12 0.00	27.13 1.27 2.40	29.03 1.31 0.64	30.32 1.22 0.04	33.65 1.53 -0.16	35.19 1.36 0.04	36.62 1.62 0.26	37.57 1.76 0.05	41.93 1.86 -2.20	48.78 2.17 -8.54	42.85 2.36 -2.37	42.64 1.93 -2.80	36.61 2.07 0.00	31.63 1.51 0.00	28.95 1.49 0.12	26.42 1.19 0.00
CPV_VALLEY___CC1 323721	26.63 1.05 0.00	24.66 0.97 0.00	23.52 0.88 0.00	22.32 0.82 0.00	22.49 0.78 0.00	24.29 0.82 0.00	26.38 0.84 0.00	27.49 1.11 0.00	28.59 1.26 0.00	29.64 1.38 0.00	29.69 1.33 0.00	30.54 1.37 -0.04	34.20 1.60 -0.64	35.60 1.69 -0.04	37.33 1.80 -0.29	37.74 1.83 -0.05	41.32 1.97 -1.48	46.87 2.05 -6.74	42.24 2.06 -2.07	41.54 1.82 -1.81	36.10 1.56 0.00	31.51 1.39 0.00	29.04 1.32 -0.13	26.37 1.14 0.00
CPV_VALLEY___CC2 323722	26.63 1.05 0.00	24.66 0.97 0.00	23.52 0.88 0.00	22.32 0.82 0.00	22.49 0.78 0.00	24.29 0.82 0.00	26.38 0.84 0.00	27.49 1.11 0.00	28.59 1.26 0.00	29.64 1.38 0.00	29.69 1.33 0.00	30.54 1.37 -0.04	34.20 1.60 -0.64	35.60 1.69 -0.04	37.33 1.80 -0.29	37.74 1.83 -0.05	41.32 1.97 -1.48	46.87 2.05 -6.74	42.24 2.06 -2.07	41.54 1.82 -1.81	36.10 1.56 0.00	31.51 1.39 0.00	29.04 1.32 -0.13	26.37 1.14 0.00
CRESCENT___HYD 24018	26.58 1.00 0.00	24.61 0.92 0.00	23.45 0.81 0.00	22.28 0.77 0.00	22.47 0.76 0.00	24.29 0.82 0.00	26.41 0.87 0.00	27.66 1.27 -0.02	28.69 1.37 0.00	37.60 1.47 -7.87	31.92 1.47 -2.09	30.48 1.46 0.10	33.22 1.63 0.38	35.50 1.73 0.10	36.28 1.76 0.73	37.55 1.83 0.14	42.07 1.89 -2.31	48.08 2.05 -7.95	46.46 2.09 -6.26	42.93 2.01 -3.01	36.33 1.79 0.00	31.63 1.51 0.00	28.63 1.38 0.33	26.44 1.21 0.00
CRICKET___VALLEY_CC1 323756	26.74 1.15 0.00	24.78 1.09 0.00	23.61 0.97 0.00	22.43 0.92 0.00	22.56 0.85 0.00	24.38 0.91 0.00	26.45 0.92 0.00	27.59 1.21 0.00	28.69 1.37 0.00	29.78 1.52 0.00	29.83 1.47 0.00	29.69 1.48 0.92	26.35 1.76 7.37	34.80 1.83 0.90	30.63 1.94 6.56	36.59 1.94 1.21	41.09 2.08 -1.13	30.62 2.17 9.63	43.18 2.17 -2.90	42.40 1.97 -2.52	36.23 1.69 0.00	31.60 1.48 0.00	26.02 1.41 2.97	26.52 1.29 0.00
CRICKET___VALLEY_CC2 323757	26.74 1.15 0.00	24.78 1.09 0.00	23.61 0.97 0.00	22.43 0.92 0.00	22.56 0.85 0.00	24.38 0.91 0.00	26.45 0.92 0.00	27.59 1.21 0.00	28.69 1.37 0.00	29.78 1.52 0.00	29.83 1.47 0.00	29.69 1.48 0.92	26.35 1.76 7.37	34.80 1.83 0.90	30.63 1.94 6.56	36.59 1.94 1.21	41.09 2.08 -1.13	30.62 2.17 9.63	43.18 2.17 -2.90	42.40 1.97 -2.52	36.23 1.69 0.00	31.60 1.48 0.00	26.02 1.41 2.97	26.52 1.29 0.00
CRICKET___VALLEY_CC3 323758	26.74 1.15 0.00	24.78 1.09 0.00	23.61 0.97 0.00	22.43 0.92 0.00	22.56 0.85 0.00	24.38 0.91 0.00	26.45 0.92 0.00	27.59 1.21 0.00	28.69 1.37 0.00	29.78 1.52 0.00	29.83 1.47 0.00	29.69 1.48 0.92	26.35 1.76 7.37	34.80 1.83 0.90	30.63 1.94 6.56	36.59 1.94 1.21	41.09 2.08 -1.13	30.62 2.17 9.63	43.18 2.17 -2.90	42.40 1.97 -2.52	36.23 1.69 0.00	31.60 1.48 0.00	26.02 1.41 2.97	26.52 1.29 0.00
CRUCIBLE_METL_DRP 24180	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
DAHOWA___HYDRO 323763	26.86 1.28 0.00	24.78 1.09 0.00	23.61 0.97 0.00	22.43 0.92 0.00	22.63 0.91 0.00	24.50 1.03 0.00	26.74 1.20 0.00	28.00 1.61 -0.01	29.10 1.78 0.00	34.07 1.81 -4.00	31.24 1.82 -1.06	30.85 1.81 0.09	33.58 1.85 0.23	35.79 2.00 0.08	36.57 1.94 0.62	37.75 2.01 0.11	42.30 2.08 -2.34	48.79 2.36 -8.35	45.47 2.44 -4.91	43.33 2.39 -3.04	36.78 2.24 0.00	32.03 1.90 0.00	28.96 1.65 0.28	26.74 1.51 0.00
DANC___LFGE 323619	25.41 -0.18 0.00	23.48 -0.21 0.00	22.45 -0.18 0.00	21.33 -0.17 0.00	21.58 -0.13 0.00	23.37 -0.09 0.00	25.51 -0.03 0.00	26.19 -0.18 0.00	27.76 -0.27 -0.71	28.74 -0.42 -0.90	28.87 -0.42 -0.94	29.81 -0.41 -1.09	31.86 -0.64 -0.54	33.13 -0.75 0.00	35.17 -0.63 -0.55	36.76 -0.47 -1.37	39.07 -0.49 -1.69	39.85 -0.26 -2.04	39.47 -0.08 -1.43	38.01 -0.23 -0.32	35.07 -0.31 -0.84	29.77 -0.36 0.00	27.84 -0.33 -0.59	24.95 -0.28 0.00
DANSKAMMER___1 23586	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.84 1.30 0.00	28.01 1.64 0.00	29.10 1.78 0.00	30.20 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.50 2.73 -1.90	49.46 2.89 -8.49	43.69 2.90 -2.68	42.89 2.65 -2.33	36.89 2.35 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.66 0.00
DANSKAMMER___2 23589	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.84 1.30 0.00	28.01 1.64 0.00	29.10 1.78 0.00	30.20 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.50 2.73 -1.90	49.46 2.89 -8.49	43.69 2.90 -2.68	42.89 2.65 -2.33	36.89 2.35 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.66 0.00
DANSKAMMER___3 23590	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.84 1.30 0.00	28.01 1.64 0.00	29.10 1.78 0.00	30.20 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.50 2.73 -1.90	49.46 2.89 -8.49	43.69 2.90 -2.68	42.89 2.65 -2.33	36.89 2.35 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.66 0.00
DANSKAMMER___4 23591	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.84 1.30 0.00	28.01 1.64 0.00	29.10 1.78 0.00	30.20 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.50 2.73 -1.90	49.46 2.89 -8.49	43.69 2.90 -2.68	42.89 2.65 -2.33	36.89 2.35 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.66 0.00
DANSKAMMER___DIESEL 23592	27.04 1.46 0.00	25.02 1.33 0.00	23.83 1.20 0.00	22.63 1.12 0.00	22.82 1.11 0.00	24.59 1.13 0.00	26.76 1.23 0.00	27.96 1.58 0.00	29.10 1.78 0.00	30.21 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.96 2.27 -0.73	36.25 2.34 -0.04	38.05 2.50 -0.29	38.46 2.55 -0.05	42.53 2.76 -1.90	49.46 2.89 -8.49	43.72 2.93 -2.68	42.92 2.69 -2.32	36.85 2.31 0.00	32.12 1.99 0.00	29.62 1.90 -0.13	26.90 1.67 0.00



DARBY___SOLAR 323810	26.81 1.23 0.00	24.76 1.07 0.00	23.58 0.95 0.00	22.41 0.90 0.00	22.60 0.89 0.00	24.45 0.99 0.00	26.66 1.12 0.00	27.92 1.53 -0.01	29.02 1.69 0.00	34.52 1.75 -4.51	31.31 1.76 -1.20	30.79 1.75 0.09	33.53 1.82 0.25	35.75 1.96 0.09	36.52 1.90 0.64	37.72 1.97 0.12	42.25 2.04 -2.34	48.64 2.28 -8.28	45.57 2.36 -5.09	43.22 2.27 -3.03	36.68 2.14 0.00	31.94 1.81 0.00	28.89 1.60 0.29	26.69 1.46 0.00
DASHVILLE___HYD 23610	26.84 1.25 0.00	24.83 1.14 0.00	23.68 1.04 0.00	22.47 0.97 0.00	22.69 0.98 0.00	24.38 0.92 0.00	26.48 0.94 0.00	27.70 1.32 0.00	28.80 1.48 0.00	29.54 1.92 0.64	30.03 1.84 0.17	31.01 1.86 -0.02	34.73 2.24 -0.53	35.82 1.93 -0.02	37.84 2.47 -0.12	38.39 2.51 -0.02	42.52 2.73 -1.93	49.12 2.82 -8.23	43.50 2.86 -2.53	42.23 1.93 -2.39	36.40 1.87 0.00	31.79 1.66 0.00	29.51 1.88 -0.05	26.69 1.46 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	34.30 4.07 -4.64	30.22 3.72 -2.82	25.87 3.24 0.00	24.45 2.95 0.00	24.77 3.06 0.00	26.87 3.40 0.00	31.27 3.78 -1.95	34.56 4.38 -3.80	35.16 4.78 -3.05	36.01 5.03 -2.72	41.37 4.82 -8.19	42.72 4.98 -8.61	45.36 5.66 -7.74	44.61 6.10 -4.64	54.32 6.31 -12.76	79.72 6.53 -37.33	134.94 6.85 -90.21	134.90 7.08 -89.75	112.31 7.05 -67.15	71.09 6.63 -26.55	51.40 5.91 -10.95	45.84 5.21 -10.50	33.09 4.72 -0.79	35.88 4.16 -6.48
DELAWARE___LFGE 323621	26.38 0.79 0.00	24.40 0.71 0.00	23.31 0.68 0.00	22.15 0.65 0.00	22.36 0.65 0.00	24.19 0.73 0.00	26.28 0.74 0.00	27.09 0.71 0.00	28.19 0.74 -0.12	29.17 0.76 -0.15	29.28 0.77 -0.16	30.17 0.84 -0.20	33.13 0.86 -0.30	34.83 0.95 -0.01	36.53 1.09 -0.19	37.26 1.15 -0.25	39.86 1.21 -0.78	42.02 1.37 -2.57	40.53 1.49 -0.93	39.88 1.33 -0.65	35.79 1.11 -0.14	31.06 0.93 0.00	28.55 0.83 -0.14	25.99 0.76 0.00
DERFIELD_115KV_TB7 355931	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.54 0.07 0.00	25.61 0.08 0.00	26.48 0.11 0.00	27.49 0.16 0.00	28.43 0.17 0.00	28.53 0.17 0.00	29.33 0.20 0.00	32.19 0.22 0.00	34.11 0.24 0.00	35.50 0.25 0.00	36.11 0.25 0.00	38.14 0.27 0.00	38.38 0.30 0.00	38.45 0.34 0.00	38.17 0.27 0.00	34.75 0.21 0.00	30.34 0.21 0.00	27.77 0.19 0.00	25.38 0.15 0.00
DOGLEVILLE___HYD 23807	26.17 0.59 0.00	24.23 0.55 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.12 0.59 0.00	27.04 0.66 0.00	28.04 0.71 0.00	28.99 0.73 0.00	29.12 0.77 0.00	29.91 0.79 0.00	32.79 0.83 0.00	34.75 0.88 0.00	36.16 0.91 0.00	36.76 0.90 0.00	38.82 0.95 0.00	39.10 1.03 0.00	39.22 1.11 0.00	38.93 1.02 0.00	35.47 0.93 0.00	30.91 0.78 0.00	28.30 0.72 0.00	25.89 0.65 0.00
DUNKIRK___115KV_TB_200 55889	26.33 0.74 0.00	24.40 0.71 0.00	23.15 0.52 0.00	22.09 0.58 0.00	22.23 0.52 0.00	24.31 0.84 0.00	26.69 1.15 0.00	26.88 0.50 0.00	27.55 0.22 0.00	28.45 0.20 0.00	28.81 0.45 0.00	29.59 0.47 0.00	32.29 0.29 -0.04	34.45 0.58 0.00	35.67 0.42 0.00	36.33 0.47 0.00	38.24 0.19 -0.18	39.65 0.84 -0.74	39.44 1.07 -0.26	38.36 0.23 -0.22	34.82 0.28 0.00	30.61 0.48 0.00	28.02 0.44 0.00	26.01 0.78 0.00
DUNKIRK___1 23563	26.33 0.74 0.00	24.40 0.71 0.00	23.15 0.52 0.00	22.09 0.58 0.00	22.23 0.52 0.00	24.31 0.84 0.00	26.69 1.15 0.00	26.88 0.50 0.00	27.55 0.22 0.00	28.45 0.20 0.00	28.81 0.45 0.00	29.59 0.47 0.00	32.29 0.29 -0.04	34.45 0.58 0.00	35.67 0.42 0.00	36.33 0.47 0.00	38.24 0.19 -0.18	39.65 0.84 -0.74	39.44 1.07 -0.26	38.36 0.23 -0.22	34.82 0.28 0.00	30.61 0.48 0.00	28.02 0.44 0.00	26.01 0.78 0.00
DUNKIRK___2 23564	26.33 0.74 0.00	24.40 0.71 0.00	23.15 0.52 0.00	22.09 0.58 0.00	22.23 0.52 0.00	24.31 0.84 0.00	26.69 1.15 0.00	26.88 0.50 0.00	27.55 0.22 0.00	28.45 0.20 0.00	28.81 0.45 0.00	29.59 0.47 0.00	32.29 0.29 -0.04	34.45 0.58 0.00	35.67 0.42 0.00	36.33 0.47 0.00	38.24 0.19 -0.18	39.65 0.84 -0.74	39.44 1.07 -0.26	38.36 0.23 -0.22	34.82 0.28 0.00	30.61 0.48 0.00	28.02 0.44 0.00	26.01 0.78 0.00
DUNKIRK___3 23565	26.15 0.56 0.00	24.23 0.54 0.00	23.02 0.38 0.00	21.94 0.43 0.00	22.08 0.37 0.00	24.15 0.68 0.00	26.51 0.97 0.00	26.69 0.32 0.00	27.36 0.03 0.00	28.28 0.03 0.00	28.61 0.26 0.00	29.42 0.29 0.00	32.06 0.06 -0.04	34.21 0.34 0.00	35.46 0.21 0.00	36.08 0.22 0.00	37.97 -0.08 -0.18	39.39 0.57 -0.74	39.17 0.80 -0.26	38.09 -0.04 -0.22	34.57 0.03 0.00	30.43 0.30 0.00	27.86 0.28 0.00	25.86 0.63 0.00
DUNKIRK___4 23566	26.22 0.64 0.00	24.31 0.62 0.00	23.06 0.43 0.00	22.00 0.49 0.00	22.15 0.43 0.00	24.22 0.75 0.00	26.58 1.05 0.00	26.75 0.37 0.00	27.41 0.08 0.00	28.34 0.08 0.00	28.67 0.31 0.00	29.48 0.35 0.00	32.13 0.13 -0.04	34.28 0.41 0.00	35.53 0.28 0.00	36.15 0.29 0.00	38.05 0.00 -0.18	39.45 0.65 -0.73	39.24 0.88 -0.25	38.20 0.08 -0.22	34.64 0.10 0.00	30.49 0.36 0.00	27.91 0.33 0.00	25.91 0.68 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	27.20 1.61 0.00	25.16 1.47 0.00	23.97 1.34 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.73 1.27 0.00	26.92 1.38 0.00	28.22 1.85 0.00	29.46 2.13 0.00	30.60 2.35 0.00	30.60 2.24 0.00	31.51 2.33 -0.06	35.51 2.68 -0.86	36.74 2.81 -0.06	38.62 2.96 -0.40	38.95 3.01 -0.07	43.00 3.22 -1.91	50.18 3.31 -8.80	44.07 3.28 -2.68	43.22 2.99 -2.32	37.10 2.56 0.00	32.45 2.32 0.00	29.97 2.21 -0.18	27.15 1.92 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	26.84 1.25 0.00	24.85 1.16 0.00	23.68 1.04 0.00	22.47 0.97 0.00	22.69 0.98 0.00	24.45 0.99 0.00	26.58 1.05 0.00	27.78 1.40 0.00	28.91 1.59 0.00	29.98 1.72 0.00	30.03 1.67 0.00	30.89 1.72 -0.04	34.69 2.01 -0.72	35.98 2.07 -0.04	37.77 2.22 -0.30	38.21 2.30 -0.05	42.14 2.46 -1.80	48.77 2.59 -8.11	43.25 2.59 -2.54	42.42 2.31 -2.20	36.54 2.00 0.00	31.88 1.75 0.00	29.40 1.68 -0.14	26.69 1.46 0.00
E179THST_138_KV_TB4_REV_LBMP_J 345001	27.30 1.71 0.00	25.13 1.45 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.89 1.17 0.00	24.59 1.13 0.00	26.74 1.20 0.00	28.12 1.74 0.00	29.43 2.10 0.00	30.63 2.37 0.00	30.57 2.21 0.00	31.49 2.30 -0.06	35.51 2.68 -0.86	36.74 2.81 -0.06	38.51 2.86 -0.40	38.80 2.87 -0.07	42.74 2.95 -1.91	50.06 3.20 -8.79	43.76 2.97 -2.67	42.91 2.69 -2.32	36.89 2.35 0.00	32.36 2.23 0.00	30.03 2.26 -0.18	27.17 1.94 0.00
E179THST_13_KV_LOAD 356214	27.43 1.84 0.00	25.25 1.56 0.00	23.97 1.34 0.00	22.75 1.25 0.00	22.99 1.28 0.00	24.69 1.22 0.00	26.86 1.33 0.00	28.25 1.87 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.94 3.01 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.00 3.22 -1.91	50.37 3.50 -8.79	44.02 3.24 -2.67	43.18 2.96 -2.32	37.10 2.56 0.00	32.54 2.41 0.00	30.19 2.43 -0.18	27.30 2.07 0.00



EAST HAMPTON___GT 23717	34.83 4.60 -4.64	30.70 4.19 -2.82	26.32 3.69 0.00	24.95 3.44 0.00	25.14 3.43 0.00	27.31 3.85 0.00	31.75 4.26 -1.95	35.03 4.85 -3.80	35.60 5.22 -3.05	36.52 5.54 -2.72	41.91 5.36 -8.19	43.30 5.56 -8.61	46.00 6.30 -7.74	47.51 6.78 -6.87	55.09 7.09 -12.75	80.46 7.28 -37.32	135.71 7.65 -90.19	135.69 7.88 -89.74	113.02 7.77 -67.14	71.86 7.39 -26.56	52.05 6.56 -10.95	46.41 5.79 -10.50	33.52 5.16 -0.79	36.30 4.59 -6.48
EAST RIVER___6 23660	27.43 1.84 0.00	25.32 1.63 0.00	24.22 1.58 0.00	22.97 1.46 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.02 1.48 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.93 3.28 -0.40	39.16 3.23 -0.07	43.27 3.48 -1.91	50.49 3.62 -8.80	44.26 3.47 -2.68	43.31 3.07 -2.33	37.24 2.70 0.00	32.66 2.53 0.00	30.27 2.51 -0.18	27.32 2.09 0.00
EAST RIVER___7 23524	27.43 1.84 0.00	25.32 1.63 0.00	24.22 1.58 0.00	22.97 1.46 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.02 1.48 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.93 3.28 -0.40	39.16 3.23 -0.07	43.27 3.48 -1.91	50.49 3.62 -8.80	44.26 3.47 -2.68	43.31 3.07 -2.33	37.24 2.70 0.00	32.66 2.53 0.00	30.27 2.51 -0.18	27.32 2.09 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	27.15 1.56 0.00	25.11 1.42 0.00	23.90 1.27 0.00	22.69 1.18 0.00	22.91 1.19 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.15 1.77 0.00	29.38 2.05 0.00	30.49 2.23 0.00	30.51 2.16 0.00	31.40 2.21 -0.06	35.41 2.59 -0.86	36.60 2.68 -0.06	38.51 2.86 -0.40	38.80 2.87 -0.07	42.88 3.11 -1.91	50.04 3.20 -8.77	43.94 3.16 -2.67	43.10 2.88 -2.31	36.99 2.45 0.00	32.33 2.20 0.00	29.89 2.12 -0.18	27.07 1.84 0.00
EAST_HAMPTON___DIESEL 23722	34.83 4.60 -4.64	30.70 4.19 -2.82	26.32 3.69 0.00	24.95 3.44 0.00	25.14 3.43 0.00	27.31 3.85 0.00	31.78 4.29 -1.95	35.03 4.85 -3.80	35.63 5.25 -3.05	36.54 5.57 -2.72	41.94 5.39 -8.19	43.30 5.56 -8.61	46.03 6.33 -7.74	47.55 6.81 -6.87	55.09 7.09 -12.75	80.46 7.28 -37.32	135.75 7.69 -90.19	135.69 7.88 -89.74	113.02 7.77 -67.14	71.86 7.39 -26.56	52.09 6.60 -10.95	46.44 5.82 -10.50	33.55 5.18 -0.79	36.30 4.59 -6.48
EAST_PULASKI___ESR 323781	25.41 -0.18 0.00	23.50 -0.19 0.00	22.45 -0.18 0.00	21.36 -0.15 0.00	21.56 -0.15 0.00	23.37 -0.09 0.00	25.51 -0.03 0.00	26.09 -0.29 0.00	27.97 -0.38 -1.02	29.09 -0.48 -1.31	29.24 -0.48 -1.36	30.24 -0.47 -1.58	31.97 -0.77 -0.78	33.06 -0.81 0.00	35.27 -0.78 -0.80	37.13 -0.72 -1.98	39.54 -0.76 -2.43	40.36 -0.57 -2.86	39.73 -0.42 -2.04	37.75 -0.61 -0.45	35.13 -0.62 -1.22	29.68 -0.45 0.00	28.03 -0.41 -0.86	24.88 -0.35 0.00
EAST_RIVER___1 323558	27.43 1.84 0.00	25.35 1.66 0.00	24.19 1.56 0.00	22.95 1.44 0.00	23.06 1.35 0.00	24.90 1.43 0.00	27.09 1.56 0.00	28.41 2.03 0.00	29.65 2.32 0.00	30.83 2.57 0.00	30.80 2.44 0.00	31.72 2.53 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.90 3.24 -0.40	39.16 3.23 -0.07	43.23 3.45 -1.91	50.41 3.54 -8.80	44.26 3.47 -2.68	43.35 3.11 -2.33	37.24 2.70 0.00	32.63 2.50 0.00	30.22 2.45 -0.18	27.32 2.09 0.00
EAST_RIVER___2 323559	27.43 1.84 0.00	25.32 1.63 0.00	24.22 1.58 0.00	22.97 1.46 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.02 1.48 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.93 3.28 -0.40	39.16 3.23 -0.07	43.27 3.48 -1.91	50.49 3.62 -8.80	44.26 3.47 -2.68	43.31 3.07 -2.33	37.24 2.70 0.00	32.66 2.53 0.00	30.27 2.51 -0.18	27.32 2.09 0.00
EAST___DELAWARE_HYD 23607	26.58 1.00 0.00	24.57 0.88 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.41 0.69 0.00	24.19 0.73 0.00	26.33 0.79 0.00	27.46 1.08 0.00	28.48 1.15 0.00	29.47 1.21 0.00	29.52 1.16 0.00	30.32 1.17 -0.03	33.96 1.47 -0.53	35.35 1.46 -0.03	37.09 1.66 -0.18	37.62 1.72 -0.03	41.28 1.89 -1.51	46.79 2.05 -6.66	42.35 2.09 -2.15	41.61 1.78 -1.92	36.10 1.56 0.00	31.42 1.29 0.00	28.91 1.24 -0.09	26.31 1.08 0.00
EIGHT_POINT___WT_PWR 323820	26.48 0.90 0.00	24.59 0.90 0.00	23.36 0.72 0.00	22.22 0.71 0.00	22.63 0.91 0.00	24.52 1.06 0.00	26.91 1.38 0.00	27.25 0.87 0.00	28.01 0.68 0.00	28.91 0.65 0.00	29.21 0.85 0.00	30.00 0.87 0.00	32.64 0.64 -0.04	34.68 0.81 0.00	36.06 0.81 0.00	36.72 0.86 0.00	38.80 0.72 -0.21	40.21 1.25 -0.88	39.83 1.41 -0.31	38.99 0.83 -0.25	35.40 0.86 0.00	31.15 1.02 0.00	28.44 0.86 0.00	26.24 1.01 0.00
ELBRIDGE_115KV_TB2 80188	25.61 0.03 0.00	23.69 0.00 0.00	22.63 0.00 0.00	21.51 0.00 0.00	21.71 0.00 0.00	23.54 0.07 0.00	25.72 0.18 0.00	26.25 -0.13 0.00	27.78 -0.22 -0.67	28.86 -0.25 -0.86	29.05 -0.20 -0.89	29.96 -0.20 -1.03	32.20 -0.29 -0.52	33.60 -0.27 0.00	35.53 -0.25 -0.52	36.87 -0.29 -1.30	39.30 -0.23 -1.66	40.18 -0.04 -2.15	39.58 0.04 -1.43	38.09 -0.19 -0.38	35.13 -0.21 -0.80	29.98 -0.15 0.00	27.92 -0.22 -0.56	25.10 -0.13 0.00
ELEC_TRO_TEK 24086	32.25 2.02 -4.64	28.35 1.85 -2.82	24.24 1.61 0.00	22.95 1.44 0.00	23.23 1.52 0.00	25.11 1.64 0.00	29.28 1.79 -1.95	32.41 2.24 -3.79	32.91 2.54 -3.04	33.61 2.71 -2.64	35.19 2.61 -4.22	35.15 2.68 -3.34	36.59 3.10 -1.53	39.18 3.22 -2.09	41.57 3.38 -2.94	42.09 3.44 -2.79	45.54 3.64 -4.03	50.65 3.77 -8.80	44.53 3.73 -2.68	43.68 3.45 -2.32	39.00 2.97 -1.49	35.42 2.71 -2.59	30.91 2.62 -0.71	30.44 2.30 -2.91
ELLENBURG_WT_PWR 323604	25.99 0.41 0.00	24.05 0.36 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.21 0.50 0.00	24.01 0.54 0.00	26.12 0.59 0.00	27.06 0.68 0.00	27.93 0.60 0.00	28.79 0.54 0.00	28.87 0.51 0.00	29.62 0.49 0.00	32.47 0.51 0.00	34.51 0.64 0.00	35.74 0.49 0.00	36.29 0.43 0.00	38.40 0.53 0.00	38.57 0.49 0.00	38.57 0.46 0.00	38.55 0.64 0.00	35.27 0.73 0.00	30.61 0.48 0.00	28.05 0.47 0.00	25.61 0.38 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.28 0.74 0.00	26.38 0.00 0.00	27.06 -0.27 0.00	27.95 -0.31 0.00	28.27 -0.09 0.00	29.07 -0.06 0.00	31.68 -0.32 -0.03	33.80 -0.07 0.00	35.00 -0.25 0.00	35.61 -0.25 0.00	37.55 -0.49 -0.17	38.89 0.11 -0.70	38.70 0.34 -0.24	37.67 -0.45 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.66 0.43 0.00
EMPIRE_CC_1 323656	26.20 0.61 0.00	24.38 0.69 0.00	23.22 0.59 0.00	22.07 0.56 0.00	22.23 0.52 0.00	24.01 0.54 0.00	26.02 0.48 0.00	27.08 0.71 0.01	28.12 0.79 0.00	23.80 0.90 5.36	27.82 0.88 1.42	29.88 0.87 0.13	32.40 1.02 0.58	34.83 1.08 0.12	35.49 1.13 0.89	36.81 1.11 0.16	41.24 1.18 -2.19	46.45 1.25 -7.12	40.80 1.26 -1.43	41.98 1.18 -2.89	35.57 1.04 0.00	31.00 0.87 0.00	28.00 0.83 0.40	25.94 0.71 0.00



EMPIRE_CC_2 323658	26.20 0.61 0.00	24.38 0.69 0.00	23.22 0.59 0.00	22.07 0.56 0.00	22.23 0.52 0.00	24.01 0.54 0.00	26.02 0.48 0.00	27.08 0.71 0.01	28.12 0.79 0.00	23.80 0.90 5.36	27.82 0.88 1.42	29.88 0.87 0.13	32.40 1.02 0.58	34.83 1.08 0.12	35.49 1.13 0.89	36.81 1.11 0.16	41.24 1.18 -2.19	46.45 1.25 -7.12	40.80 1.26 -1.43	41.98 1.18 -2.89	35.57 1.04 0.00	31.00 0.87 0.00	28.00 0.83 0.40	25.94 0.71 0.00
ENORWICH_115KV_TB1 80156	27.20 1.61 0.00	25.11 1.42 0.00	23.99 1.36 0.00	22.80 1.29 0.00	23.06 1.35 0.00	25.13 1.67 0.00	27.43 1.89 0.00	28.20 1.82 0.00	29.31 1.75 -0.23	30.13 1.58 -0.29	30.28 1.62 -0.30	31.34 1.86 -0.35	33.97 1.76 -0.25	35.77 1.90 0.00	37.75 2.33 -0.18	38.81 2.51 -0.44	41.56 2.76 -0.92	43.53 3.24 -2.22	42.78 3.66 -1.01	41.82 3.34 -0.58	37.64 2.83 -0.27	32.30 2.17 0.00	29.62 1.85 -0.19	26.90 1.67 0.00
ERIE_ST__34_KV_TB1-2 80199	25.94 0.36 0.00	24.02 0.33 0.00	22.82 0.18 0.00	21.74 0.24 0.00	21.89 0.17 0.00	23.93 0.47 0.00	26.30 0.77 0.00	26.43 0.05 0.00	27.14 -0.19 0.00	28.03 -0.23 0.00	28.39 0.03 0.00	29.19 0.06 0.00	31.74 -0.26 -0.04	33.97 0.10 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.48 -0.57 -0.17	38.87 0.08 -0.72	38.63 0.27 -0.25	37.59 -0.53 -0.22	34.33 -0.21 0.00	30.19 0.06 0.00	27.64 0.06 0.00	25.68 0.45 0.00
ERIE_WT_PWR 323693	26.07 0.48 0.00	24.21 0.52 0.00	22.93 0.29 0.00	21.83 0.32 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.45 0.92 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.90 -0.10 -0.04	33.94 0.07 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.59 -0.45 -0.17	39.02 0.23 -0.71	38.70 0.34 -0.25	37.77 -0.34 -0.20	34.33 -0.21 0.00	30.25 0.12 0.00	27.72 0.14 0.00	25.79 0.55 0.00
ESPRGFLD_115KV_TB1 80157	26.58 1.00 0.00	24.59 0.90 0.00	23.49 0.86 0.00	22.32 0.82 0.00	22.56 0.85 0.00	24.43 0.96 0.00	26.56 1.02 0.00	27.43 1.06 0.00	28.54 1.09 -0.12	29.45 1.05 -0.15	29.59 1.08 -0.16	30.54 1.22 -0.19	33.51 1.25 -0.30	35.21 1.32 -0.01	37.02 1.59 -0.19	37.75 1.65 -0.24	40.42 1.78 -0.77	42.67 2.02 -2.58	41.21 2.17 -0.93	40.53 1.97 -0.65	36.34 1.66 -0.14	31.42 1.30 0.00	28.85 1.13 -0.14	26.24 1.01 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	26.17 0.59 0.00	24.21 0.52 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.10 0.63 0.00	26.33 0.79 0.00	26.96 0.58 0.00	28.18 0.52 -0.33	29.14 0.45 -0.43	29.31 0.51 -0.45	30.20 0.55 -0.52	32.74 0.48 -0.30	34.45 0.58 0.00	36.18 0.67 -0.26	37.23 0.72 -0.65	39.71 0.83 -1.01	41.03 1.14 -1.81	40.38 1.30 -0.97	39.30 0.99 -0.41	35.77 0.83 -0.40	30.85 0.72 0.00	28.44 0.58 -0.28	25.79 0.56 0.00
ETNA_____115KV_TB2 80207	26.17 0.59 0.00	24.21 0.52 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.10 0.63 0.00	26.33 0.79 0.00	26.96 0.58 0.00	28.18 0.52 -0.33	29.14 0.45 -0.43	29.31 0.51 -0.45	30.20 0.55 -0.52	32.74 0.48 -0.30	34.45 0.58 0.00	36.18 0.67 -0.26	37.23 0.72 -0.65	39.71 0.83 -1.01	41.03 1.14 -1.81	40.38 1.30 -0.97	39.30 0.99 -0.41	35.77 0.83 -0.40	30.85 0.72 0.00	28.44 0.58 -0.28	25.79 0.56 0.00
EUCLID__115KV_TB2 356179	25.43 -0.15 0.00	23.55 -0.14 0.00	22.48 -0.16 0.00	21.36 -0.15 0.00	21.56 -0.15 0.00	23.37 -0.09 0.00	25.51 -0.03 0.00	26.04 -0.34 0.00	27.13 -0.44 -0.24	28.06 -0.51 -0.31	28.20 -0.48 -0.32	29.03 -0.47 -0.37	31.56 -0.61 -0.20	33.26 -0.61 0.00	34.84 -0.60 -0.19	35.72 -0.61 -0.47	37.92 -0.61 -0.65	38.63 -0.46 -1.01	38.37 -0.34 -0.60	37.55 -0.57 -0.21	34.24 -0.59 -0.29	29.65 -0.48 0.00	27.32 -0.47 -0.20	24.88 -0.35 0.00
E_CANADA_CAP_HY 24051	27.04 1.46 0.00	24.94 1.25 0.00	23.77 1.13 0.00	22.58 1.07 0.00	22.80 1.09 0.00	24.71 1.24 0.00	27.07 1.53 0.00	28.28 1.90 0.00	29.40 2.08 0.00	30.32 2.06 0.00	30.40 2.04 0.00	31.16 2.10 0.07	34.24 2.33 0.05	36.31 2.51 0.06	37.25 2.47 0.47	38.47 2.69 0.09	43.06 2.80 -2.38	50.07 3.16 -8.84	44.91 3.28 -3.52	44.19 3.22 -3.06	37.58 3.04 0.00	32.51 2.38 0.00	29.41 2.04 0.21	26.92 1.69 0.00
E_CANADA_MHWK_HY 24050	26.17 0.59 0.00	24.23 0.55 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.12 0.59 0.00	27.04 0.66 0.00	28.04 0.71 0.00	28.99 0.73 0.00	29.12 0.77 0.00	29.91 0.79 0.00	32.79 0.83 0.00	34.75 0.88 0.00	36.16 0.91 0.00	36.76 0.90 0.00	38.82 0.95 0.00	39.10 1.03 0.00	39.22 1.11 0.00	38.93 1.02 0.00	35.47 0.93 0.00	30.91 0.78 0.00	28.30 0.72 0.00	25.89 0.65 0.00
E_FISHKILL__LBMP 23776	26.89 1.30 0.00	24.90 1.21 0.00	23.72 1.09 0.00	22.52 1.01 0.00	22.73 1.02 0.00	24.50 1.03 0.00	26.61 1.07 0.00	27.88 1.50 0.00	29.05 1.72 0.00	30.15 1.89 0.00	30.17 1.81 0.00	31.05 1.86 -0.06	35.03 2.17 -0.89	36.20 2.27 -0.06	38.06 2.40 -0.42	38.38 2.44 -0.08	42.46 2.61 -1.98	49.88 2.70 -9.10	43.59 2.71 -2.77	42.78 2.46 -2.41	36.61 2.07 0.00	32.00 1.87 0.00	29.56 1.79 -0.19	26.80 1.56 0.00
FALCON__SEABRD_CC1 323796	26.30 0.72 0.00	24.33 0.64 0.00	23.45 0.81 0.00	22.26 0.75 0.00	22.49 0.78 0.00	24.33 0.87 0.00	26.48 0.95 0.00	27.43 1.06 0.00	28.28 0.96 0.00	29.16 0.90 0.00	29.26 0.91 0.00	29.97 0.85 0.00	32.89 0.93 0.00	34.96 1.08 0.00	36.16 0.91 0.00	36.72 0.86 0.00	38.89 1.02 0.00	39.10 1.03 0.00	39.10 0.99 0.00	39.04 1.14 0.00	35.75 1.21 0.00	31.03 0.90 0.00	28.41 0.83 0.00	25.91 0.68 0.00
FALCON__SEABRD_CC2 323797	26.30 0.72 0.00	24.33 0.64 0.00	23.45 0.81 0.00	22.26 0.75 0.00	22.49 0.78 0.00	24.33 0.87 0.00	26.48 0.95 0.00	27.43 1.06 0.00	28.28 0.96 0.00	29.16 0.90 0.00	29.26 0.91 0.00	29.97 0.85 0.00	32.89 0.93 0.00	34.96 1.08 0.00	36.16 0.91 0.00	36.72 0.86 0.00	38.89 1.02 0.00	39.10 1.03 0.00	39.10 0.99 0.00	39.04 1.14 0.00	35.75 1.21 0.00	31.03 0.90 0.00	28.41 0.83 0.00	25.91 0.68 0.00
FAR ROCKAWAY__4 23548	32.76 2.53 -4.64	28.83 2.32 -2.82	24.63 1.99 0.00	23.34 1.83 0.00	23.62 1.91 0.00	25.55 2.09 0.00	29.76 2.27 -1.95	32.89 2.72 -3.79	33.27 2.90 -3.04	34.03 3.14 -2.64	35.70 3.12 -4.22	35.70 3.23 -3.34	37.17 3.68 -1.53	39.82 3.86 -2.09	42.28 4.09 -2.94	42.78 4.12 -2.79	46.33 4.43 -4.03	51.44 4.57 -8.80	45.29 4.50 -2.68	44.44 4.21 -2.32	39.69 3.66 -1.49	36.00 3.28 -2.59	31.38 3.09 -0.71	30.95 2.80 -2.91
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.04 1.51 0.00	28.38 2.00 0.00	29.68 2.35 0.00	30.83 2.57 0.00	30.80 2.44 0.00	31.72 2.53 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.90 3.24 -0.40	39.16 3.23 -0.07	43.23 3.45 -1.91	50.45 3.58 -8.80	44.26 3.47 -2.68	43.38 3.15 -2.32	37.23 2.69 0.00	32.66 2.53 0.00	30.22 2.45 -0.18	27.32 2.09 0.00



FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.04 1.51 0.00	28.38 2.00 0.00	29.68 2.35 0.00	30.83 2.57 0.00	30.80 2.44 0.00	31.72 2.53 -0.06	35.80 2.97 -0.86	37.01 3.08 -0.06	38.90 3.24 -0.40	39.16 3.23 -0.07	43.23 3.45 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.38 3.15 -2.32	37.23 2.69 0.00	32.66 2.53 0.00	30.25 2.48 -0.18	27.32 2.09 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	27.30 1.71 0.00	25.23 1.54 0.00	24.04 1.40 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.80 1.34 0.00	27.02 1.48 0.00	28.38 2.00 0.00	29.65 2.32 0.00	30.83 2.57 0.00	30.80 2.44 0.00	31.72 2.53 -0.06	35.77 2.94 -0.86	36.98 3.05 -0.06	38.86 3.21 -0.40	39.13 3.19 -0.07	43.23 3.45 -1.91	50.41 3.54 -8.80	44.22 3.43 -2.68	43.34 3.11 -2.32	37.20 2.66 0.00	32.63 2.50 0.00	30.19 2.43 -0.18	27.30 2.07 0.00
FARRAGUT___LBMP 323566	27.30 1.71 0.00	25.21 1.52 0.00	24.04 1.40 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.83 3.17 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.38 3.50 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.60 2.47 0.00	30.19 2.43 -0.18	27.27 2.04 0.00
FENNER___WINDPWR 24204	25.99 0.41 0.00	24.07 0.38 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.08 0.37 0.00	23.91 0.44 0.00	26.07 0.54 0.00	26.85 0.48 0.00	28.04 0.46 -0.25	28.97 0.40 -0.32	29.12 0.43 -0.33	30.01 0.49 -0.39	32.62 0.45 -0.21	34.35 0.47 0.00	36.04 0.60 -0.20	36.99 0.65 -0.49	39.29 0.72 -0.70	40.10 0.88 -1.15	39.76 0.99 -0.66	38.94 0.80 -0.24	35.53 0.69 -0.30	30.64 0.51 0.00	28.21 0.41 -0.21	25.66 0.43 0.00
FIBERTEK___ENERGY 23856	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
FITZPATRICK____ 23598	25.02 -0.56 0.00	23.17 -0.52 0.00	22.11 -0.52 0.00	21.03 -0.47 0.00	21.26 -0.46 0.00	22.97 -0.49 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.67 -0.82 3.84	22.46 -0.88 4.92	22.39 -0.85 5.12	22.33 -0.87 5.93	28.12 -0.99 2.85	32.82 -1.05 0.00	31.15 -1.09 3.00	27.30 -1.11 7.45	27.97 -1.17 8.72	27.97 -1.03 9.08	30.03 -0.99 7.09	35.62 -1.10 1.18	28.94 -1.04 4.57	29.25 -0.87 0.00	23.52 -0.83 3.23	24.52 -0.71 0.00
FLOWRFLD_69_KV_BK1 356044	32.97 2.74 -4.64	29.02 2.51 -2.82	24.81 2.17 0.00	23.44 1.94 0.00	23.78 2.06 0.00	25.77 2.30 0.00	30.02 2.53 -1.95	33.25 3.06 -3.81	33.78 3.39 -3.06	34.59 3.59 -2.75	40.40 3.35 -8.69	42.24 3.47 -9.64	44.75 3.84 -8.96	44.00 4.03 -6.10	52.91 4.19 -13.47	79.87 4.23 -39.78	138.62 4.47 -96.28	145.46 4.65 -102.74	114.38 4.57 -71.70	70.47 4.28 -28.27	49.98 3.80 -11.64	45.61 3.43 -12.05	31.76 3.36 -0.82	34.96 2.98 -6.76
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	27.09 1.51 0.00	25.06 1.37 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.86 1.15 0.00	24.62 1.15 0.00	26.79 1.25 0.00	28.01 1.64 0.00	29.16 1.83 0.00	30.23 1.98 0.00	30.29 1.93 0.00	31.12 1.95 -0.04	35.04 2.33 -0.74	36.28 2.37 -0.04	38.12 2.57 -0.30	38.53 2.62 -0.06	42.58 2.80 -1.91	49.60 2.97 -8.56	43.82 3.01 -2.69	43.01 2.77 -2.33	36.96 2.42 0.00	32.18 2.05 0.00	29.68 1.96 -0.14	26.95 1.72 0.00
FORT ORANGE____ 23900	26.22 0.64 0.00	24.26 0.57 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.17 0.46 0.00	23.93 0.47 0.00	26.02 0.48 0.00	27.13 0.77 0.01	28.12 0.79 0.00	25.22 0.90 3.95	28.22 0.91 1.05	29.93 0.87 0.07	32.94 1.05 0.07	34.89 1.08 0.06	35.94 1.16 0.47	36.99 1.22 0.09	41.42 1.25 -2.30	47.94 1.37 -8.50	41.54 1.41 -2.01	42.16 1.29 -2.97	35.71 1.18 0.00	31.06 0.93 0.00	28.25 0.88 0.21	25.96 0.73 0.00
FORT_DRUM_COGEN 23780	25.53 -0.05 0.00	23.59 -0.09 0.00	22.57 -0.07 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.51 0.05 0.00	25.64 0.10 0.00	26.40 0.03 0.00	27.78 -0.05 -0.50	28.59 -0.31 -0.65	28.72 -0.31 -0.67	29.64 -0.26 -0.78	31.77 -0.58 -0.39	33.26 -0.61 0.00	35.26 -0.39 -0.39	36.70 -0.14 -0.98	39.05 -0.04 -1.22	39.78 0.23 -1.48	39.68 0.53 -1.03	38.49 0.34 -0.24	35.31 0.17 -0.60	30.04 -0.09 0.00	27.87 -0.14 -0.42	25.10 -0.13 0.00
FPL_FAR_ROCK_GT1 24212	32.89 2.66 -4.65	28.93 2.42 -2.82	24.74 2.11 0.00	23.49 1.98 0.00	23.65 1.93 0.00	25.65 2.18 0.00	29.84 2.35 -1.95	32.91 2.74 -3.79	33.27 2.90 -3.04	34.03 3.14 -2.64	35.67 3.09 -4.22	35.70 3.23 -3.34	37.16 3.67 -1.53	39.82 3.86 -2.09	42.27 4.09 -2.94	42.77 4.12 -2.79	46.29 4.39 -4.03	51.44 4.57 -8.80	45.25 4.46 -2.68	44.41 4.17 -2.33	39.65 3.63 -1.49	36.00 3.28 -2.59	31.38 3.09 -0.71	30.95 2.80 -2.92
FPL_FAR_ROCK_GT2 23815	32.89 2.66 -4.65	28.93 2.42 -2.82	24.74 2.11 0.00	23.49 1.98 0.00	23.65 1.93 0.00	25.65 2.18 0.00	29.84 2.35 -1.95	32.91 2.74 -3.79	33.27 2.90 -3.04	34.03 3.14 -2.64	35.67 3.09 -4.22	35.70 3.23 -3.34	37.16 3.67 -1.53	39.82 3.86 -2.09	42.27 4.09 -2.94	42.77 4.12 -2.79	46.29 4.39 -4.03	51.44 4.57 -8.80	45.25 4.46 -2.68	44.41 4.17 -2.33	39.65 3.63 -1.49	36.00 3.28 -2.59	31.38 3.09 -0.71	30.95 2.80 -2.92
FRANKLIN_FALL_HYD 24054	25.97 0.38 0.00	24.02 0.33 0.00	23.18 0.54 0.00	21.98 0.47 0.00	22.21 0.50 0.00	23.98 0.52 0.00	26.02 0.49 0.00	27.01 0.63 0.00	27.88 0.55 0.00	28.71 0.45 0.00	28.78 0.43 0.00	29.48 0.35 0.00	32.38 0.42 0.00	34.38 0.51 0.00	35.53 0.28 0.00	36.08 0.22 0.00	38.17 0.30 0.00	38.38 0.30 0.00	38.38 0.27 0.00	38.36 0.45 0.00	35.16 0.62 0.00	30.49 0.36 0.00	27.94 0.36 0.00	25.53 0.30 0.00
FREEPORT_EQUS_GT1 23764	32.66 2.43 -4.65	28.71 2.20 -2.82	24.56 1.92 0.00	23.31 1.81 0.00	23.47 1.76 0.00	25.46 1.99 0.00	29.66 2.17 -1.95	32.73 2.56 -3.79	33.21 2.84 -3.04	33.92 3.02 -2.64	35.50 2.92 -4.22	35.47 3.00 -3.34	36.94 3.45 -1.53	39.59 3.63 -2.09	42.00 3.81 -2.94	42.53 3.87 -2.79	46.03 4.13 -4.03	51.14 4.26 -8.80	44.98 4.19 -2.68	44.15 3.91 -2.33	39.48 3.45 -1.49	35.82 3.10 -2.59	31.24 2.95 -0.71	30.75 2.60 -2.92
FREEPORT___CT2 23818	32.66 2.43 -4.65	28.71 2.20 -2.82	24.56 1.92 0.00	23.31 1.81 0.00	23.47 1.76 0.00	25.46 1.99 0.00	29.66 2.17 -1.95	32.73 2.56 -3.79	33.21 2.84 -3.04	33.92 3.02 -2.64	35.50 2.92 -4.22	35.47 3.00 -3.34	36.94 3.45 -1.53	39.59 3.63 -2.09	42.00 3.81 -2.94	42.53 3.87 -2.79	46.03 4.13 -4.03	51.14 4.26 -8.80	44.98 4.19 -2.68	44.15 3.91 -2.33	39.48 3.45 -1.49	35.82 3.10 -2.59	31.24 2.95 -0.71	30.75 2.60 -2.92



FRESHKLS_33_KV_LOAD 356253	27.32 1.74 0.00	25.16 1.47 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.59 1.13 0.00	26.68 1.15 0.01	28.08 1.71 0.01	29.45 2.13 0.01	30.65 2.40 0.01	30.56 2.21 0.01	31.51 2.33 -0.05	35.63 2.81 -0.86	36.87 2.95 -0.05	38.68 3.03 -0.40	39.01 3.08 -0.07	42.96 3.18 -1.91	50.22 3.35 -8.79	44.02 3.24 -2.67	43.14 2.92 -2.32	37.02 2.49 0.01	32.44 2.32 0.01	30.08 2.32 -0.18	27.17 1.94 0.00
FULTON COGEN____ 23766	25.41 -0.18 0.00	23.50 -0.19 0.00	22.45 -0.18 0.00	21.34 -0.17 0.00	21.54 -0.17 0.00	23.32 -0.14 0.00	25.49 -0.05 0.00	26.01 -0.37 0.00	28.03 -0.46 -1.16	29.24 -0.51 -1.49	29.43 -0.48 -1.55	30.46 -0.47 -1.80	32.21 -0.64 -0.89	33.23 -0.64 0.00	35.53 -0.63 -0.91	37.47 -0.65 -2.26	39.99 -0.64 -2.76	40.86 -0.46 -3.24	40.09 -0.34 -2.32	37.84 -0.57 -0.50	35.34 -0.59 -1.38	29.68 -0.45 0.00	28.12 -0.44 -0.98	24.85 -0.38 0.00
FULTON____LFGE 323630	27.91 2.33 0.00	25.68 1.99 0.00	24.45 1.81 0.00	23.21 1.70 0.00	23.45 1.74 0.00	25.41 1.95 0.00	27.91 2.38 0.00	29.15 2.77 0.00	30.33 3.01 0.00	31.22 2.97 0.00	31.28 2.92 0.00	32.00 2.94 0.07	35.27 3.36 0.05	37.43 3.63 0.06	38.34 3.56 0.47	39.68 3.91 0.09	44.31 4.05 -2.38	51.48 4.57 -8.84	46.32 4.69 -3.52	45.63 4.66 -3.06	39.00 4.46 0.00	33.65 3.52 0.00	30.46 3.09 0.21	27.78 2.55 0.00
G.F.CEMENT____DRP 24184	26.84 1.25 0.00	24.76 1.07 0.00	23.56 0.93 0.00	22.35 0.84 0.00	22.63 0.91 0.00	24.45 0.99 0.00	26.74 1.20 0.00	28.10 1.71 -0.01	29.27 1.94 0.00	33.34 1.95 -3.14	31.17 1.99 -0.83	31.06 2.01 0.08	33.72 1.95 0.19	35.79 2.00 0.08	36.61 1.94 0.58	37.80 2.04 0.11	42.27 2.04 -2.35	48.90 2.36 -8.46	45.20 2.48 -4.61	43.37 2.43 -3.04	36.85 2.31 0.00	32.12 1.99 0.00	29.03 1.71 0.26	26.85 1.61 0.00
GARDENVILLE____LBMP 24039	25.99 0.41 0.00	24.07 0.38 0.00	22.86 0.23 0.00	21.81 0.30 0.00	21.93 0.22 0.00	23.98 0.52 0.00	26.33 0.79 0.00	26.46 0.08 0.00	27.11 -0.22 0.00	28.00 -0.25 0.00	28.36 0.00 0.00	29.13 0.00 0.00	31.74 -0.26 -0.04	33.87 0.00 0.00	35.11 -0.14 0.00	35.72 -0.14 0.00	37.59 -0.45 -0.17	38.98 0.19 -0.71	38.78 0.42 -0.25	37.74 -0.38 -0.22	34.26 -0.28 0.00	30.16 0.03 0.00	27.64 0.06 0.00	25.71 0.48 0.00
GARDNVLA_35_KV_LD 355827	26.10 0.51 0.00	24.16 0.47 0.00	22.95 0.32 0.00	21.89 0.39 0.00	22.02 0.30 0.00	24.08 0.61 0.00	26.43 0.89 0.00	26.56 0.18 0.00	27.22 -0.11 0.00	28.12 -0.14 0.00	28.47 0.11 0.00	29.24 0.12 0.00	31.87 -0.13 -0.04	34.04 0.17 0.00	35.28 0.04 0.00	35.90 0.04 0.00	37.78 -0.27 -0.17	39.13 0.34 -0.71	38.93 0.57 -0.25	37.90 -0.23 -0.22	34.40 -0.14 0.00	30.28 0.15 0.00	27.75 0.17 0.00	25.81 0.58 0.00
GELCKHM__115KV_LOAD 80723	25.51 -0.08 0.00	23.62 -0.07 0.00	22.54 -0.09 0.00	21.44 -0.06 0.00	21.65 -0.07 0.00	23.44 -0.02 0.00	25.61 0.08 0.00	26.14 -0.24 0.00	27.37 -0.33 -0.37	28.34 -0.40 -0.48	28.49 -0.37 -0.50	29.35 -0.35 -0.58	31.78 -0.48 -0.30	33.40 -0.47 0.00	35.08 -0.46 -0.29	36.12 -0.47 -0.72	38.42 -0.42 -0.96	39.16 -0.27 -1.35	38.81 -0.15 -0.85	37.79 -0.38 -0.26	34.57 -0.41 -0.44	29.80 -0.33 0.00	27.54 -0.36 -0.31	24.98 -0.25 0.00
GENERAL____MILLS 23808	26.05 0.46 0.00	24.14 0.45 0.00	22.93 0.29 0.00	21.85 0.34 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.38 0.84 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.06 -0.20 0.00	28.41 0.06 0.00	29.19 0.06 0.00	31.81 -0.19 -0.04	33.97 0.10 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.66 -0.38 -0.17	39.06 0.27 -0.71	38.86 0.50 -0.25	37.82 -0.30 -0.22	34.33 -0.21 0.00	30.22 0.09 0.00	27.69 0.11 0.00	25.76 0.53 0.00
GE_PLASTICS____DRP 24183	26.17 0.59 0.00	24.26 0.57 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.21 0.50 0.00	23.93 0.47 0.00	26.00 0.46 0.00	27.11 0.74 0.01	28.18 0.85 0.00	26.33 0.93 2.85	28.54 0.94 0.76	30.00 0.93 0.06	33.06 1.09 -0.02	34.93 1.12 0.05	36.05 1.20 0.40	37.01 1.22 0.07	41.48 1.29 -2.33	48.20 1.37 -8.75	41.90 1.37 -2.42	42.17 1.29 -2.97	35.68 1.14 0.00	31.06 0.93 0.00	28.31 0.91 0.18	25.99 0.76 0.00
GILBOA____1 23756	26.38 0.79 0.00	24.42 0.74 0.00	23.38 0.75 0.00	22.22 0.71 0.00	22.39 0.67 0.00	24.19 0.73 0.00	26.20 0.66 0.00	27.41 1.03 0.00	28.48 1.15 0.00	29.50 1.24 0.00	29.58 1.22 0.00	30.35 1.22 0.00	33.88 1.44 -0.48	35.36 1.49 0.00	36.84 1.59 0.00	37.48 1.62 0.00	41.89 1.71 -2.31	49.27 1.64 -9.56	43.08 1.64 -3.33	42.47 1.67 -2.89	35.99 1.45 0.00	31.36 1.24 0.00	28.77 1.19 0.00	26.27 1.03 0.00
GILBOA____2 23757	26.38 0.79 0.00	24.42 0.74 0.00	23.38 0.75 0.00	22.22 0.71 0.00	22.39 0.67 0.00	24.19 0.73 0.00	26.20 0.66 0.00	27.41 1.03 0.00	28.48 1.15 0.00	29.50 1.24 0.00	29.58 1.22 0.00	30.35 1.22 0.00	33.88 1.44 -0.48	35.36 1.49 0.00	36.84 1.59 0.00	37.48 1.62 0.00	41.89 1.71 -2.31	49.27 1.64 -9.56	43.08 1.64 -3.33	42.47 1.67 -2.89	35.99 1.45 0.00	31.36 1.24 0.00	28.77 1.19 0.00	26.27 1.03 0.00
GILBOA____3 23758	26.38 0.79 0.00	24.42 0.74 0.00	23.38 0.75 0.00	22.22 0.71 0.00	22.39 0.67 0.00	24.19 0.73 0.00	26.20 0.66 0.00	27.41 1.03 0.00	28.48 1.15 0.00	29.50 1.24 0.00	29.58 1.22 0.00	30.35 1.22 0.00	33.88 1.44 -0.48	35.36 1.49 0.00	36.84 1.59 0.00	37.48 1.62 0.00	41.89 1.71 -2.31	49.27 1.64 -9.56	43.08 1.64 -3.33	42.47 1.67 -2.89	35.99 1.45 0.00	31.36 1.24 0.00	28.77 1.19 0.00	26.27 1.03 0.00
GILBOA____4 23759	26.38 0.79 0.00	24.42 0.74 0.00	23.38 0.75 0.00	22.22 0.71 0.00	22.39 0.67 0.00	24.19 0.73 0.00	26.20 0.66 0.00	27.41 1.03 0.00	28.48 1.15 0.00	29.50 1.24 0.00	29.58 1.22 0.00	30.35 1.22 0.00	33.88 1.44 -0.48	35.36 1.49 0.00	36.84 1.59 0.00	37.48 1.62 0.00	41.89 1.71 -2.31	49.27 1.64 -9.56	43.08 1.64 -3.33	42.47 1.67 -2.89	35.99 1.45 0.00	31.36 1.24 0.00	28.77 1.19 0.00	26.27 1.03 0.00
GILBOA____ 23599	26.33 0.74 0.00	24.38 0.69 0.00	23.34 0.70 0.00	22.15 0.65 0.00	22.39 0.67 0.00	24.15 0.68 0.00	26.15 0.61 0.00	27.38 1.00 0.00	28.48 1.15 0.00	29.50 1.24 0.00	29.58 1.22 0.00	30.35 1.22 0.00	33.88 1.44 -0.48	35.36 1.49 0.00	36.80 1.55 0.00	37.47 1.61 0.00	41.89 1.70 -2.31	49.27 1.64 -9.56	43.12 1.68 -3.33	42.46 1.67 -2.89	35.96 1.42 0.00	31.36 1.24 0.00	28.77 1.19 0.00	26.27 1.03 0.00
GINNA____ 23603	26.10 0.51 0.00	24.21 0.52 0.00	23.11 0.48 0.00	21.98 0.47 0.00	22.28 0.56 0.00	24.07 0.61 0.00	26.56 1.02 0.00	27.09 0.71 0.00	27.75 0.55 0.13	28.57 0.48 0.16	28.87 0.68 0.17	29.63 0.70 0.20	32.50 0.61 0.07	34.58 0.71 0.00	35.68 0.53 0.10	36.19 0.57 0.25	38.20 0.49 0.16	39.22 0.91 -0.24	39.13 1.07 0.05	38.78 0.76 -0.11	35.12 0.73 0.15	30.85 0.72 0.00	27.97 0.50 0.11	25.84 0.60 0.00



GLEN PARK____ 23778	25.61 0.03 0.00	23.67 -0.02 0.00	22.63 0.00 0.00	21.51 0.00 0.00	21.76 0.04 0.00	23.61 0.14 0.00	25.72 0.18 0.00	26.54 0.16 0.00	27.91 0.05 -0.53	28.74 -0.20 -0.68	28.84 -0.23 -0.71	29.80 -0.14 -0.82	31.92 -0.45 -0.41	33.36 -0.51 0.00	35.42 -0.25 -0.42	36.89 0.00 -1.03	39.30 0.15 -1.28	40.09 0.46 -1.55	39.96 0.76 -1.08	38.73 0.57 -0.25	35.55 0.38 -0.63	30.19 0.06 0.00	28.03 0.00 -0.45	25.21 -0.03 0.00
GLENDALE_27_KV_LOAD 356172	27.43 1.84 0.00	25.30 1.61 0.00	24.08 1.45 0.00	22.88 1.38 0.00	23.10 1.39 0.00	24.83 1.36 0.00	26.99 1.46 0.00	28.41 2.03 0.00	29.73 2.40 0.00	30.91 2.66 0.00	30.85 2.50 0.00	31.81 2.62 -0.06	35.89 3.07 -0.86	37.11 3.18 -0.06	38.97 3.31 -0.40	39.23 3.30 -0.07	43.23 3.45 -1.91	50.45 3.58 -8.79	44.25 3.47 -2.67	43.37 3.15 -2.32	37.27 2.73 0.00	32.69 2.56 0.00	30.27 2.51 -0.18	27.35 2.12 0.00
GLENWOOD_IC_1_G5 23712	32.25 2.02 -4.64	28.35 1.85 -2.82	24.24 1.61 0.00	22.99 1.48 0.00	23.25 1.54 0.00	25.11 1.64 0.00	29.28 1.79 -1.95	32.44 2.27 -3.79	32.94 2.57 -3.04	33.69 2.80 -2.64	35.13 2.55 -4.22	35.09 2.62 -3.34	36.53 3.04 -1.53	39.14 3.18 -2.09	41.54 3.35 -2.94	42.06 3.41 -2.79	45.50 3.60 -4.03	50.61 3.73 -8.80	44.45 3.66 -2.68	43.60 3.37 -2.32	38.93 2.90 -1.49	35.30 2.59 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
GLENWOOD_IC_2_G1 23688	32.17 1.94 -4.64	28.26 1.75 -2.82	24.22 1.58 0.00	22.99 1.48 0.00	23.12 1.41 0.00	25.01 1.55 0.00	29.18 1.68 -1.95	32.25 2.08 -3.79	32.72 2.35 -3.04	33.44 2.54 -2.64	35.05 2.47 -4.22	35.00 2.53 -3.34	36.40 2.91 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.45 3.58 -8.80	44.30 3.50 -2.68	43.50 3.26 -2.33	38.82 2.80 -1.49	35.24 2.53 -2.59	30.72 2.43 -0.71	30.26 2.12 -2.91
GLENWOOD_IC_3_G1 23689	32.17 1.94 -4.64	28.26 1.75 -2.82	24.22 1.58 0.00	22.99 1.48 0.00	23.12 1.41 0.00	25.01 1.55 0.00	29.18 1.68 -1.95	32.25 2.08 -3.79	32.72 2.35 -3.04	33.44 2.54 -2.64	35.05 2.47 -4.22	35.00 2.53 -3.34	36.40 2.91 -1.53	39.01 3.05 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.45 3.58 -8.80	44.30 3.50 -2.68	43.50 3.26 -2.33	38.82 2.80 -1.49	35.24 2.53 -2.59	30.72 2.43 -0.71	30.26 2.12 -2.91
GLENWOOD____4 23550	32.25 2.02 -4.64	28.35 1.85 -2.82	24.24 1.61 0.00	22.99 1.48 0.00	23.25 1.54 0.00	25.11 1.64 0.00	29.28 1.79 -1.95	32.44 2.27 -3.79	32.94 2.57 -3.04	33.69 2.80 -2.64	35.19 2.61 -4.22	35.18 2.71 -3.34	36.59 3.10 -1.53	39.21 3.25 -2.09	41.64 3.45 -2.94	42.13 3.48 -2.79	45.61 3.71 -4.03	50.68 3.81 -8.80	44.57 3.77 -2.68	43.68 3.45 -2.32	39.03 3.00 -1.49	35.39 2.68 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
GLENWOOD____5 23614	32.25 2.02 -4.64	28.35 1.85 -2.82	24.24 1.61 0.00	22.99 1.48 0.00	23.25 1.54 0.00	25.11 1.64 0.00	29.28 1.79 -1.95	32.44 2.27 -3.79	32.94 2.57 -3.04	33.69 2.80 -2.64	35.19 2.61 -4.22	35.18 2.71 -3.34	36.59 3.10 -1.53	39.21 3.25 -2.09	41.64 3.45 -2.94	42.13 3.48 -2.79	45.61 3.71 -4.03	50.68 3.81 -8.80	44.57 3.77 -2.68	43.68 3.45 -2.32	39.03 3.00 -1.49	35.39 2.68 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
GLOBAL GREEN_PORT_GT1 23814	34.73 4.50 -4.64	30.60 4.10 -2.82	26.23 3.60 0.00	24.86 3.35 0.00	25.05 3.34 0.00	27.24 3.78 0.00	31.70 4.21 -1.95	34.95 4.78 -3.80	35.55 5.17 -3.05	36.43 5.45 -2.72	41.79 5.25 -8.19	43.19 5.45 -8.61	45.90 6.20 -7.74	47.41 6.67 -6.87	54.95 6.95 -12.75	80.31 7.14 -37.31	135.57 7.54 -90.17	135.49 7.69 -89.72	112.81 7.59 -67.12	71.74 7.28 -26.55	51.94 6.46 -10.95	46.33 5.70 -10.50	33.44 5.07 -0.79	36.20 4.49 -6.48
GLOBE____DSASP 323697	25.33 -0.26 0.00	23.48 -0.21 0.00	22.29 -0.34 0.00	21.27 -0.24 0.00	21.34 -0.37 0.00	23.35 -0.12 0.00	25.61 0.08 0.00	25.61 -0.76 0.00	26.24 -1.09 0.00	27.07 -1.19 0.00	27.42 -0.94 0.00	28.17 -0.96 0.00	30.72 -1.28 -0.03	32.72 -1.15 0.00	33.91 -1.34 0.00	34.50 -1.36 0.00	36.44 -1.59 -0.16	37.75 -0.99 -0.67	37.58 -0.76 -0.23	36.59 -1.52 -0.20	33.02 -1.52 0.00	29.16 -0.96 0.00	26.75 -0.83 0.00	25.00 -0.23 0.00
GOETHSLN____LBMP 323567	27.15 1.56 0.00	25.09 1.40 0.00	23.92 1.29 0.00	22.71 1.20 0.00	22.93 1.22 0.00	24.66 1.20 0.00	26.89 1.35 0.00	28.20 1.82 0.00	29.46 2.13 0.00	30.63 2.37 0.00	30.60 2.24 0.00	31.51 2.33 -0.06	35.54 2.72 -0.86	36.77 2.85 -0.06	38.62 2.96 -0.40	38.91 2.98 -0.07	42.96 3.18 -1.91	50.15 3.27 -8.80	43.99 3.20 -2.68	43.07 2.84 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.05 2.29 -0.18	27.17 1.94 0.00
GOLAH____69_KV_TB 1_2 80279	26.05 0.46 0.00	24.09 0.40 0.00	23.00 0.36 0.00	21.89 0.39 0.00	22.04 0.33 0.00	24.03 0.56 0.00	26.43 0.89 0.00	26.85 0.47 0.00	27.46 0.25 0.12	28.28 0.17 0.15	28.60 0.40 0.15	29.30 0.35 0.18	32.10 0.19 0.06	34.18 0.30 0.00	35.30 0.14 0.09	35.74 0.11 0.22	37.78 0.04 0.13	38.89 0.53 -0.28	38.86 0.76 0.02	38.46 0.42 -0.13	34.71 0.31 0.14	30.55 0.42 0.00	27.68 0.19 0.10	25.66 0.43 0.00
GOODYEAR_LAKE_HYD 323669	26.51 0.92 0.00	24.52 0.83 0.00	23.43 0.79 0.00	22.26 0.75 0.00	22.49 0.78 0.00	24.33 0.87 0.00	26.46 0.92 0.00	27.30 0.92 0.00	28.40 0.96 -0.12	29.34 0.93 -0.15	29.48 0.96 -0.16	30.40 1.08 -0.19	33.35 1.09 -0.30	35.07 1.19 -0.01	36.81 1.37 -0.19	37.58 1.47 -0.24	40.19 1.55 -0.77	42.40 1.75 -2.58	40.94 1.91 -0.93	40.26 1.71 -0.65	36.13 1.45 -0.14	31.27 1.14 0.00	28.74 1.02 -0.14	26.14 0.91 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	25.97 0.38 0.00	24.07 0.38 0.00	22.95 0.32 0.00	21.83 0.32 0.00	22.04 0.33 0.00	23.89 0.42 0.00	26.05 0.51 0.00	26.67 0.29 0.00	27.77 0.22 -0.22	28.74 0.20 -0.28	28.94 0.28 -0.30	29.79 0.32 -0.34	32.42 0.22 -0.23	34.21 0.34 0.00	35.81 0.39 -0.17	36.69 0.39 -0.43	39.08 0.38 -0.83	40.61 0.65 -1.89	39.76 0.76 -0.88	38.80 0.42 -0.48	35.15 0.35 -0.26	30.49 0.36 0.00	28.07 0.30 -0.19	25.61 0.38 0.00
GOUDEY____7 23579	25.99 0.41 0.00	24.07 0.38 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.06 0.35 0.00	23.89 0.42 0.00	26.07 0.54 0.00	26.69 0.32 0.00	27.80 0.25 -0.22	28.77 0.23 -0.28	28.94 0.28 -0.30	29.79 0.32 -0.34	32.45 0.26 -0.23	34.24 0.37 0.00	35.85 0.42 -0.17	36.72 0.43 -0.43	39.12 0.42 -0.83	40.65 0.69 -1.89	39.80 0.80 -0.88	38.84 0.45 -0.48	35.18 0.38 -0.26	30.52 0.39 0.00	28.10 0.33 -0.19	25.63 0.40 0.00
GOUDEY____8 23580	25.97 0.38 0.00	24.07 0.38 0.00	22.95 0.32 0.00	21.83 0.32 0.00	22.04 0.33 0.00	23.89 0.42 0.00	26.05 0.51 0.00	26.67 0.29 0.00	27.77 0.22 -0.22	28.74 0.20 -0.28	28.94 0.28 -0.30	29.79 0.32 -0.34	32.42 0.22 -0.23	34.21 0.34 0.00	35.81 0.39 -0.17	36.69 0.39 -0.43	39.08 0.38 -0.83	40.61 0.65 -1.89	39.76 0.76 -0.88	38.80 0.42 -0.48	35.15 0.35 -0.26	30.49 0.36 0.00	28.07 0.30 -0.19	25.61 0.38 0.00



GOWANUS_GT1_1 24077	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_2 24078	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_3 24079	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_4 24080	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_5 24084	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_6 24111	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_7 24112	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT1_8 24113	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_1 24114	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_2 24115	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_3 24116	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_4 24117	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_5 24118	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_6 24119	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT2_7 24120	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00



GOWANUS_GT2_8 24121	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_1 24122	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_2 24123	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_3 24124	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_4 24125	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_5 24126	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_6 24127	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_7 24128	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT3_8 24129	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_1 24130	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_2 24131	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_3 24132	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_4 24133	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_5 24134	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_6 24135	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00



GOWANUS_GT4_7 24136	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GOWANUS_GT4_8 24137	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GREENBSH_115KV_TB3 55895	26.02 0.43 0.00	24.12 0.43 0.00	23.00 0.36 0.00	21.83 0.32 0.00	22.08 0.37 0.00	23.79 0.33 0.00	25.84 0.31 0.00	26.98 0.61 0.01	28.04 0.71 0.00	24.89 0.79 4.16	28.05 0.79 1.10	29.84 0.79 0.07	32.79 0.93 0.10	34.75 0.95 0.07	35.77 1.02 0.50	36.81 1.04 0.09	41.28 1.10 -2.31	47.74 1.18 -8.48	41.29 1.22 -1.96	41.98 1.10 -2.97	35.51 0.97 0.00	30.91 0.78 0.00	28.10 0.74 0.23	25.84 0.61 0.00
GREENDGE_115KV_TB5 80291	26.25 0.67 0.00	24.28 0.59 0.00	23.15 0.52 0.00	22.02 0.52 0.00	22.26 0.54 0.00	24.22 0.75 0.00	26.61 1.07 0.00	27.12 0.74 0.00	28.08 0.60 -0.15	28.99 0.54 -0.19	29.24 0.68 -0.20	30.09 0.73 -0.23	32.72 0.61 -0.15	34.65 0.78 0.00	36.04 0.67 -0.12	36.65 0.50 -0.29	38.99 0.57 -0.55	40.29 0.99 -1.22	39.87 1.18 -0.58	38.90 0.68 -0.31	35.62 0.90 -0.18	30.94 0.81 0.00	28.34 0.63 -0.13	25.94 0.71 0.00
GREENIDGE___3 23582	26.25 0.67 0.00	24.28 0.59 0.00	23.15 0.52 0.00	22.02 0.52 0.00	22.26 0.54 0.00	24.22 0.75 0.00	26.61 1.07 0.00	27.12 0.74 0.00	28.08 0.60 -0.15	28.99 0.54 -0.19	29.24 0.68 -0.20	30.09 0.73 -0.23	32.72 0.61 -0.15	34.65 0.78 0.00	36.04 0.67 -0.12	36.65 0.50 -0.29	38.99 0.57 -0.55	40.29 0.99 -1.22	39.87 1.18 -0.58	38.90 0.68 -0.31	35.62 0.90 -0.18	30.94 0.81 0.00	28.34 0.63 -0.13	25.94 0.71 0.00
GREENIDGE___4 23583	26.22 0.64 0.00	24.30 0.61 0.00	23.16 0.52 0.00	22.02 0.52 0.00	22.39 0.67 0.00	24.24 0.77 0.00	26.61 1.07 0.00	27.12 0.74 0.00	28.08 0.60 -0.15	28.98 0.54 -0.19	29.24 0.68 -0.20	30.09 0.73 -0.23	32.72 0.61 -0.15	34.58 0.71 0.00	35.79 0.42 -0.12	36.62 0.46 -0.29	38.91 0.49 -0.55	40.21 0.91 -1.22	39.72 1.03 -0.58	38.80 0.60 -0.29	35.58 0.86 -0.18	30.97 0.84 0.00	28.34 0.63 -0.13	25.94 0.71 0.00
GREENLWN_69_KV_BK 3 55738	32.28 2.05 -4.64	28.40 1.90 -2.82	24.24 1.61 0.00	22.95 1.44 0.00	23.23 1.52 0.00	25.15 1.69 0.00	29.33 1.84 -1.95	32.46 2.29 -3.79	32.93 2.57 -3.04	33.85 2.97 -2.62	34.98 2.78 -3.84	34.28 2.80 -2.35	35.29 2.97 -0.36	37.82 3.08 -0.86	41.46 3.56 -2.65	41.29 3.62 -1.81	43.41 3.94 -1.60	44.57 4.15 -2.35	43.05 4.08 -0.86	43.33 3.79 -1.63	39.00 3.25 -1.21	33.87 2.65 -1.09	31.06 2.79 -0.69	30.55 2.52 -2.80
GREENWD_138_KV_38B11_REV_LBMP_J 345004	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
GRISSOM___SOLAR 323813	27.91 2.33 0.00	25.68 1.99 0.00	24.45 1.81 0.00	23.21 1.70 0.00	23.45 1.74 0.00	25.41 1.95 0.00	27.91 2.38 0.00	29.15 2.77 0.00	30.33 3.01 0.00	31.22 2.97 0.00	31.28 2.92 0.00	32.00 2.94 0.07	35.27 3.36 0.05	37.43 3.63 0.06	38.34 3.56 0.47	39.68 3.91 0.09	44.31 4.05 -2.38	51.48 4.57 -8.84	46.32 4.69 -3.52	45.63 4.66 -3.06	39.00 4.46 0.00	33.65 3.52 0.00	30.46 3.09 0.21	27.78 2.55 0.00
GROVEVILLE___HYD 323602	27.09 1.51 0.00	25.06 1.37 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.86 1.15 0.00	24.62 1.15 0.00	26.79 1.25 0.00	28.01 1.64 0.00	29.16 1.83 0.00	30.23 1.98 0.00	30.29 1.93 0.00	31.12 1.95 -0.04	35.04 2.33 -0.74	36.28 2.37 -0.04	38.12 2.57 -0.30	38.53 2.62 -0.06	42.58 2.80 -1.91	49.60 2.97 -8.56	43.82 3.01 -2.69	43.01 2.77 -2.33	36.96 2.42 0.00	32.18 2.05 0.00	29.68 1.96 -0.14	26.95 1.72 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
HAMLTNNY_34_KV_TB 80303	25.74 0.15 0.00	23.81 0.12 0.00	22.75 0.11 0.00	21.64 0.13 0.00	21.84 0.13 0.00	23.68 0.21 0.00	25.89 0.36 0.00	26.43 0.05 0.00	27.92 -0.05 -0.65	29.00 -0.08 -0.83	29.19 -0.03 -0.86	30.12 0.00 -1.00	32.37 -0.10 -0.51	33.84 -0.03 0.00	35.75 0.00 -0.50	37.08 -0.04 -1.25	39.51 0.04 -1.60	40.39 0.23 -2.09	39.84 0.34 -1.39	38.35 0.08 -0.37	35.34 0.03 -0.77	30.19 0.06 0.00	28.10 -0.03 -0.54	25.26 0.03 0.00
HAMPSHIRE___PAPER_HYD 323593	25.25 -0.33 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.27 -0.24 0.00	21.45 -0.26 0.00	23.16 -0.31 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.76 -0.28	28.66 -0.79 -0.32	31.13 -0.99 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.48 -0.87 -0.48	37.75 -0.84 -0.51	37.78 -0.73 -0.39	37.30 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
HARDSCRABBLE_WT_PWR 323673	26.10 0.51 0.00	24.14 0.45 0.00	23.06 0.43 0.00	21.91 0.41 0.00	22.12 0.41 0.00	23.93 0.47 0.00	26.05 0.51 0.00	26.93 0.55 0.00	27.96 0.63 0.00	28.91 0.65 0.00	29.01 0.65 0.00	29.83 0.70 0.00	32.70 0.74 0.00	34.62 0.74 0.00	36.06 0.81 0.00	36.65 0.79 0.00	38.70 0.83 0.00	38.95 0.88 0.00	39.07 0.95 0.00	38.78 0.87 0.00	35.33 0.80 0.00	30.79 0.66 0.00	28.22 0.63 0.00	25.79 0.55 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	26.91 1.33 0.00	24.90 1.21 0.00	23.72 1.09 0.00	22.52 1.01 0.00	22.76 1.04 0.00	24.50 1.03 0.00	26.66 1.12 0.00	27.86 1.48 0.00	29.00 1.67 0.00	30.07 1.81 0.00	30.12 1.76 0.00	30.95 1.78 -0.05	34.82 2.11 -0.75	36.12 2.20 -0.05	37.92 2.33 -0.34	38.29 2.37 -0.06	42.16 2.58 -1.72	48.62 2.70 -7.84	43.22 2.71 -2.41	42.42 2.43 -2.09	36.65 2.11 0.00	32.00 1.87 0.00	29.50 1.77 -0.16	26.77 1.54 0.00



HARSNRAD_115KV_TB1 81005	25.87 0.28 0.00	23.95 0.26 0.00	22.75 0.11 0.00	21.70 0.19 0.00	21.78 0.07 0.00	23.84 0.38 0.00	26.20 0.66 0.00	26.27 -0.11 0.00	26.92 -0.41 0.00	27.78 -0.48 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.52 -0.48 -0.03	33.60 -0.27 0.00	34.79 -0.46 0.00	35.39 -0.47 0.00	37.35 -0.68 -0.16	38.70 -0.04 -0.66	38.53 0.19 -0.23	37.54 -0.57 -0.20	33.95 -0.59 0.00	29.92 -0.21 0.00	27.41 -0.17 0.00	25.58 0.35 0.00
HARZA MOOSE__RIVER 24016	25.76 0.18 0.00	23.83 0.14 0.00	22.79 0.16 0.00	21.66 0.15 0.00	21.87 0.15 0.00	23.70 0.23 0.00	25.79 0.26 0.00	26.67 0.29 0.00	27.80 0.30 -0.17	28.64 0.17 -0.22	28.75 0.17 -0.23	29.62 0.23 -0.26	32.22 0.13 -0.13	33.97 0.10 0.00	35.66 0.28 -0.13	36.58 0.39 -0.33	38.79 0.49 -0.43	39.29 0.65 -0.57	39.32 0.84 -0.37	38.74 0.72 -0.11	35.29 0.55 -0.20	30.43 0.30 0.00	27.94 0.22 -0.14	25.43 0.20 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	25.53 -0.05 0.00	23.62 -0.07 0.00	22.57 -0.07 0.00	21.44 -0.06 0.00	21.65 -0.07 0.00	23.47 0.00 0.00	25.61 0.08 0.00	26.14 -0.24 0.00	27.30 -0.33 -0.30	28.24 -0.40 -0.38	28.38 -0.37 -0.39	29.21 -0.38 -0.46	31.72 -0.48 -0.24	33.40 -0.47 0.00	35.02 -0.46 -0.23	35.97 -0.47 -0.57	38.20 -0.45 -0.79	38.97 -0.27 -1.17	38.67 -0.15 -0.71	37.72 -0.42 -0.23	34.44 -0.45 -0.35	29.77 -0.36 0.00	27.47 -0.36 -0.25	25.00 -0.23 0.00
HELLGATE_13_KV_LD 55870	27.30 1.71 0.00	25.18 1.49 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.68 2.33 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.87 2.95 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.10 3.24 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.11 2.34 -0.18	27.20 1.97 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	27.30 1.71 0.00	25.18 1.49 0.00	23.95 1.31 0.00	22.75 1.25 0.00	22.97 1.26 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.22 1.85 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.68 2.33 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.87 2.95 -0.06	38.65 3.00 -0.40	38.95 3.01 -0.07	42.89 3.11 -1.91	50.10 3.24 -8.79	43.91 3.13 -2.67	43.03 2.81 -2.32	36.99 2.45 0.00	32.48 2.35 0.00	30.11 2.34 -0.18	27.20 1.97 0.00
HEMPSTEAD____ 23647	32.38 2.15 -4.64	28.45 1.94 -2.82	24.35 1.72 0.00	23.10 1.59 0.00	23.26 1.54 0.00	25.23 1.76 0.00	29.38 1.89 -1.95	32.46 2.29 -3.79	32.94 2.57 -3.04	33.67 2.77 -2.64	35.22 2.64 -4.22	35.18 2.71 -3.34	36.62 3.13 -1.53	39.21 3.25 -2.09	41.64 3.46 -2.94	42.13 3.48 -2.79	45.62 3.71 -4.03	50.68 3.81 -8.80	44.53 3.74 -2.68	43.73 3.49 -2.33	39.03 3.00 -1.49	35.43 2.71 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
HEWLETT__69_KV_BK3 55828	32.58 2.35 -4.64	28.66 2.16 -2.82	24.51 1.88 0.00	23.23 1.72 0.00	23.49 1.78 0.00	25.41 1.95 0.00	29.58 2.09 -1.95	32.70 2.53 -3.79	33.16 2.79 -3.04	33.89 3.00 -2.64	35.53 2.95 -4.22	35.53 3.06 -3.34	36.97 3.48 -1.53	39.62 3.66 -2.09	42.03 3.84 -2.94	42.56 3.91 -2.79	46.07 4.17 -4.03	51.18 4.30 -8.80	45.02 4.23 -2.68	44.17 3.94 -2.32	39.48 3.45 -1.49	35.82 3.10 -2.59	31.24 2.95 -0.71	30.77 2.62 -2.91
HICKLING__1 23621	26.15 0.56 0.00	24.23 0.54 0.00	23.11 0.48 0.00	21.96 0.45 0.00	22.19 0.48 0.00	24.12 0.66 0.00	26.40 0.87 0.00	26.91 0.53 0.00	27.87 0.38 -0.16	28.83 0.37 -0.21	29.08 0.51 -0.21	29.93 0.55 -0.25	32.52 0.38 -0.17	34.48 0.61 0.00	36.01 0.63 -0.13	36.82 0.65 -0.31	39.06 0.57 -0.63	40.52 0.99 -1.46	39.96 1.18 -0.67	38.89 0.61 -0.37	35.32 0.59 -0.19	30.76 0.63 0.00	28.24 0.52 -0.14	25.89 0.66 0.00
HICKLING__2 23622	26.15 0.56 0.00	24.23 0.54 0.00	23.11 0.48 0.00	21.96 0.45 0.00	22.19 0.48 0.00	24.12 0.66 0.00	26.40 0.87 0.00	26.91 0.53 0.00	27.87 0.38 -0.16	28.83 0.37 -0.21	29.08 0.51 -0.21	29.93 0.55 -0.25	32.52 0.38 -0.17	34.48 0.61 0.00	36.01 0.63 -0.13	36.82 0.65 -0.31	39.06 0.57 -0.63	40.52 0.99 -1.46	39.96 1.18 -0.67	38.89 0.61 -0.37	35.32 0.59 -0.19	30.76 0.63 0.00	28.24 0.52 -0.14	25.89 0.66 0.00
HIGH FALLS__HY 23754	26.94 1.36 0.00	24.90 1.21 0.00	23.74 1.11 0.00	22.56 1.05 0.00	22.78 1.06 0.00	24.52 1.06 0.00	26.69 1.15 0.00	27.83 1.45 0.00	28.91 1.59 0.00	29.49 1.70 0.46	29.88 1.64 0.12	30.81 1.66 -0.02	34.52 2.01 -0.55	35.96 2.07 -0.02	37.66 2.26 -0.15	38.18 2.30 -0.03	42.22 2.54 -1.82	48.58 2.67 -7.84	43.28 2.74 -2.42	42.54 2.39 -2.24	36.61 2.07 0.00	31.94 1.81 0.00	29.39 1.74 -0.07	26.77 1.54 0.00
HILLBURN__GT 23639	27.09 1.51 0.00	25.06 1.37 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.82 1.11 0.00	24.64 1.17 0.00	26.81 1.28 0.00	28.01 1.64 0.00	29.16 1.83 0.00	30.29 2.04 0.00	30.31 1.96 0.00	31.19 2.01 -0.05	35.07 2.33 -0.77	36.36 2.44 -0.05	38.21 2.61 -0.36	38.54 2.62 -0.07	42.43 2.80 -1.76	49.05 2.93 -8.05	43.47 2.90 -2.46	42.67 2.61 -2.15	36.78 2.24 0.00	32.15 2.02 0.00	29.67 1.93 -0.16	26.90 1.66 0.00
HILLSIDE_115KV_TB1 80332	25.81 0.23 0.00	23.93 0.24 0.00	22.79 0.16 0.00	21.68 0.17 0.00	21.91 0.20 0.00	23.79 0.33 0.00	26.00 0.46 0.00	26.51 0.13 0.00	27.53 0.03 -0.17	28.48 0.00 -0.22	28.70 0.11 -0.23	29.54 0.15 -0.26	32.11 -0.03 -0.18	34.01 0.14 0.00	35.52 0.14 -0.13	36.34 0.14 -0.33	38.57 0.04 -0.66	39.97 0.38 -1.52	39.35 0.53 -0.70	38.30 0.00 -0.39	34.81 0.07 -0.20	30.31 0.18 0.00	27.86 0.14 -0.14	25.51 0.28 0.00
HISHELDN_WT_PWR 323625	25.99 0.41 0.00	24.14 0.45 0.00	22.91 0.27 0.00	21.79 0.28 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.35 0.82 0.00	26.48 0.11 0.00	27.19 -0.14 0.00	28.09 -0.17 0.00	28.41 0.06 0.00	29.19 0.06 0.00	31.84 -0.16 -0.04	33.84 -0.03 0.00	35.14 -0.11 0.00	35.79 -0.07 0.00	37.64 -0.42 -0.19	39.03 0.19 -0.77	38.68 0.30 -0.27	37.78 -0.34 -0.22	34.33 -0.21 0.00	30.25 0.12 0.00	27.69 0.11 0.00	25.71 0.48 0.00
HOLTSVILLE_IC_1 23690	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.34 3.36 -2.72	39.62 3.06 -8.19	40.85 3.20 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.67 3.98 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.28 3.66 -11.09	43.74 3.25 -10.36	31.51 3.14 -0.79	34.56 2.80 -6.53
HOLTSVILLE_IC_10 23699	33.19 2.97 -4.64	29.21 2.70 -2.82	25.01 2.38 0.00	23.70 2.19 0.00	23.88 2.17 0.00	25.95 2.49 0.00	30.25 2.76 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.63 3.65 -2.72	39.87 3.37 -8.14	41.47 3.49 -8.85	43.98 3.99 -8.03	45.16 4.20 -7.09	51.76 4.30 -12.21	75.62 4.37 -35.39	127.76 4.54 -85.35	130.34 4.72 -87.54	106.27 4.65 -63.51	67.50 4.40 -25.20	48.97 4.00 -10.42	44.54 3.55 -10.86	31.76 3.39 -0.79	34.54 3.03 -6.29



HOLTSVILLE_IC_2 23691	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.34 3.36 -2.72	39.62 3.06 -8.19	40.85 3.20 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.67 3.98 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.28 3.66 -11.09	43.74 3.25 -10.36	31.51 3.14 -0.79	34.56 2.80 -6.53
HOLTSVILLE_IC_3 23692	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.34 3.36 -2.72	39.62 3.06 -8.19	40.85 3.20 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.67 3.98 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.28 3.66 -11.09	43.74 3.25 -10.36	31.51 3.14 -0.79	34.56 2.80 -6.53
HOLTSVILLE_IC_4 23693	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.34 3.36 -2.72	39.62 3.06 -8.19	40.85 3.20 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.67 3.98 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.28 3.66 -11.09	43.74 3.25 -10.36	31.51 3.14 -0.79	34.56 2.80 -6.53
HOLTSVILLE_IC_5 23694	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.34 3.36 -2.72	39.62 3.06 -8.19	40.85 3.20 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.67 3.98 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.28 3.66 -11.09	43.74 3.25 -10.36	31.51 3.14 -0.79	34.56 2.80 -6.53
HOLTSVILLE_IC_6 23695	33.19 2.97 -4.64	29.21 2.70 -2.82	25.01 2.38 0.00	23.70 2.19 0.00	23.88 2.17 0.00	25.95 2.49 0.00	30.25 2.76 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.63 3.65 -2.72	39.87 3.37 -8.14	41.47 3.49 -8.85	43.98 3.99 -8.03	45.16 4.20 -7.09	51.76 4.30 -12.21	75.62 4.37 -35.39	127.76 4.54 -85.35	130.34 4.72 -87.54	106.27 4.65 -63.51	67.50 4.40 -25.20	48.97 4.00 -10.42	44.54 3.55 -10.86	31.76 3.39 -0.79	34.54 3.03 -6.29
HOLTSVILLE_IC_7 23696	33.19 2.97 -4.64	29.21 2.70 -2.82	25.01 2.38 0.00	23.70 2.19 0.00	23.88 2.17 0.00	25.95 2.49 0.00	30.25 2.76 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.63 3.65 -2.72	39.87 3.37 -8.14	41.47 3.49 -8.85	43.98 3.99 -8.03	45.16 4.20 -7.09	51.76 4.30 -12.21	75.62 4.37 -35.39	127.76 4.54 -85.35	130.34 4.72 -87.54	106.27 4.65 -63.51	67.50 4.40 -25.20	48.97 4.00 -10.42	44.54 3.55 -10.86	31.76 3.39 -0.79	34.54 3.03 -6.29
HOLTSVILLE_IC_8 23697	33.19 2.97 -4.64	29.21 2.70 -2.82	25.01 2.38 0.00	23.70 2.19 0.00	23.88 2.17 0.00	25.95 2.49 0.00	30.25 2.76 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.63 3.65 -2.72	39.87 3.37 -8.14	41.47 3.49 -8.85	43.98 3.99 -8.03	45.16 4.20 -7.09	51.76 4.30 -12.21	75.62 4.37 -35.39	127.76 4.54 -85.35	130.34 4.72 -87.54	106.27 4.65 -63.51	67.50 4.40 -25.20	48.97 4.00 -10.42	44.54 3.55 -10.86	31.76 3.39 -0.79	34.54 3.03 -6.29
HOLTSVILLE_IC_9 23698	33.19 2.97 -4.64	29.21 2.70 -2.82	25.01 2.38 0.00	23.70 2.19 0.00	23.88 2.17 0.00	25.95 2.49 0.00	30.25 2.76 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.63 3.65 -2.72	39.87 3.37 -8.14	41.47 3.49 -8.85	43.98 3.99 -8.03	45.16 4.20 -7.09	51.76 4.30 -12.21	75.62 4.37 -35.39	127.76 4.54 -85.35	130.34 4.72 -87.54	106.27 4.65 -63.51	67.50 4.40 -25.20	48.97 4.00 -10.42	44.54 3.55 -10.86	31.76 3.39 -0.79	34.54 3.03 -6.29
HOMER_HL_115KV_TB2 355744	25.56 -0.03 0.00	23.74 0.05 0.00	22.54 -0.09 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.63 0.16 0.00	25.94 0.41 0.00	26.19 -0.18 0.00	26.86 -0.46 0.00	27.80 -0.45 0.00	28.10 -0.26 0.00	28.89 -0.23 0.00	31.36 -0.64 -0.04	33.63 -0.24 0.00	34.86 -0.39 0.00	35.50 -0.36 0.00	36.96 -1.10 -0.19	38.37 -0.49 -0.79	38.08 -0.30 -0.27	36.97 -1.18 -0.24	33.92 -0.62 0.00	29.86 -0.27 0.00	27.33 -0.25 0.00	25.36 0.13 0.00
HOWARD_WT_PWR 323690	26.50 0.92 0.00	24.61 0.92 0.00	23.38 0.75 0.00	22.24 0.73 0.00	22.67 0.95 0.00	24.55 1.08 0.00	26.94 1.40 0.00	27.30 0.92 0.00	28.04 0.71 0.00	28.93 0.68 0.00	29.24 0.88 0.00	30.03 0.90 0.00	32.71 0.70 0.00	34.72 0.85 0.00	36.09 0.84 0.00	36.76 0.90 0.00	38.84 0.76 -0.22	40.30 1.33 -0.89	39.91 1.48 -0.31	39.03 0.87 -0.25	35.47 0.93 0.00	31.18 1.05 0.00	28.46 0.88 0.00	26.29 1.06 0.00
HQ_GEN_CEDARS 23644	25.23 -0.36 0.00	23.36 -0.33 0.00	22.43 -0.20 0.00	21.29 -0.22 0.00	21.47 -0.24 0.00	23.16 -0.31 0.00	25.10 -0.43 0.00	25.98 -0.40 0.00	26.89 -0.44 0.00	27.72 -0.54 0.00	27.82 -0.54 0.00	28.52 -0.61 0.00	31.32 -0.64 0.00	33.23 -0.64 0.00	34.47 -0.78 0.00	35.04 -0.82 0.00	37.00 -0.87 0.00	37.05 -1.03 0.00	37.01 -1.11 0.00	37.11 -0.80 0.00	33.95 -0.59 0.00	29.53 -0.60 0.00	27.06 -0.52 0.00	24.80 -0.43 0.00
HQ_GEN_CEDARS_PROXY 323590	25.23 -0.36 0.00	23.36 -0.33 0.00	22.43 -0.20 0.00	21.29 -0.22 0.00	21.47 -0.24 0.00	23.16 -0.31 0.00	25.10 -0.43 0.00	25.98 -0.39 0.00	26.89 -0.44 0.00	27.72 -0.54 0.00	27.82 -0.54 0.00	28.51 -0.61 0.00	31.29 -0.67 0.00	33.23 -0.64 0.00	34.47 -0.78 0.00	35.04 -0.82 0.00	37.04 -0.83 0.00	37.08 -0.99 0.00	37.08 -1.03 0.00	37.15 -0.76 0.00	33.95 -0.59 0.00	29.53 -0.60 0.00	27.06 -0.52 0.00	24.80 -0.43 0.00
HQ_GEN_IMPORT 323601	25.25 -0.33 0.00	23.38 -0.31 0.00	22.36 -0.27 0.00	21.25 -0.26 0.00	21.45 -0.26 0.00	23.16 -0.31 0.00	25.20 -0.33 0.00	26.06 -0.32 0.00	26.97 -0.36 0.00	27.89 -0.37 0.00	27.99 -0.37 0.00	28.72 -0.41 0.00	31.51 -0.45 0.00	33.43 -0.44 0.00	34.76 -0.49 0.00	35.32 -0.54 0.00	37.34 -0.53 0.00	37.35 -0.72 0.00	37.35 -0.76 0.00	37.34 -0.57 0.00	34.09 -0.45 0.00	29.71 -0.42 0.00	27.19 -0.39 0.00	24.88 -0.35 0.00
HQ_GEN_WHEEL 23651	25.25 -0.33 0.00	23.38 -0.31 0.00	22.36 -0.27 0.00	21.25 -0.26 0.00	21.45 -0.26 0.00	23.16 -0.31 0.00	25.20 -0.33 0.00	26.06 -0.32 0.00	26.97 -0.36 0.00	27.89 -0.37 0.00	27.99 -0.37 0.00	28.72 -0.41 0.00	31.51 -0.45 0.00	33.43 -0.44 0.00	34.76 -0.49 0.00	35.32 -0.54 0.00	37.34 -0.53 0.00	37.35 -0.72 0.00	37.35 -0.76 0.00	37.34 -0.57 0.00	34.09 -0.45 0.00	29.71 -0.42 0.00	27.19 -0.39 0.00	24.88 -0.35 0.00
HUDSON_AVE_GT_3 23810	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.04 1.51 0.00	28.41 2.03 0.00	29.68 2.35 0.00	30.86 2.60 0.00	30.82 2.47 0.00	31.75 2.56 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.27 3.48 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.66 2.53 0.00	30.25 2.48 -0.18	27.32 2.09 0.00



HUDSON AVE_GT_4 23540	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.04 1.51 0.00	28.41 2.03 0.00	29.68 2.35 0.00	30.86 2.60 0.00	30.82 2.47 0.00	31.75 2.56 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.27 3.48 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.66 2.53 0.00	30.25 2.48 -0.18	27.32 2.09 0.00
HUDSON AVE_GT_5 23657	27.32 1.74 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.83 1.36 0.00	27.04 1.51 0.00	28.41 2.03 0.00	29.68 2.35 0.00	30.86 2.60 0.00	30.82 2.47 0.00	31.75 2.56 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.27 3.48 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.66 2.53 0.00	30.25 2.48 -0.18	27.32 2.09 0.00
HUDSON_AVE_10 24168	27.25 1.66 0.00	25.18 1.49 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.76 1.29 0.00	26.99 1.46 0.00	28.36 1.98 0.00	29.65 2.32 0.00	30.83 2.57 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.83 3.17 -0.40	39.13 3.19 -0.07	43.19 3.41 -1.91	50.38 3.50 -8.80	44.22 3.43 -2.68	43.34 3.11 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.19 2.43 -0.18	27.27 2.04 0.00
HUDSON___115KV_TB 4 355613	26.43 0.84 0.00	24.45 0.76 0.00	23.29 0.66 0.00	22.11 0.60 0.00	22.39 0.67 0.00	24.12 0.66 0.00	26.25 0.72 0.00	27.40 1.03 0.01	28.39 1.07 0.00	26.41 1.22 3.06	28.77 1.22 0.81	30.27 1.19 0.05	33.41 1.41 -0.04	35.14 1.32 0.05	36.40 1.52 0.37	37.41 1.61 0.07	41.84 1.70 -2.26	48.51 1.87 -8.57	42.34 1.98 -2.25	42.46 1.67 -2.89	36.20 1.66 0.00	31.42 1.30 0.00	28.66 1.24 0.16	26.21 0.98 0.00
HUNTER MOUNT___DRP 323613	26.43 0.84 0.00	24.42 0.73 0.00	23.29 0.66 0.00	22.11 0.60 0.00	22.41 0.69 0.00	24.10 0.63 0.00	26.28 0.74 0.00	27.40 1.03 0.01	28.31 0.98 0.00	27.04 1.19 2.40	28.91 1.19 0.64	30.26 1.17 0.04	33.52 1.41 -0.16	35.02 1.19 0.04	36.44 1.45 0.26	37.39 1.58 0.05	41.74 1.67 -2.20	48.48 1.87 -8.54	42.50 2.02 -2.37	42.25 1.55 -2.79	36.20 1.66 0.00	31.39 1.27 0.00	28.73 1.27 0.12	26.21 0.98 0.00
HUNTINGTON_RES_REC 323705	32.74 2.51 -4.64	28.78 2.27 -2.82	24.60 1.97 0.00	23.33 1.83 0.00	23.51 1.80 0.00	25.53 2.07 0.00	29.76 2.27 -1.95	32.87 2.72 -3.78	33.34 2.98 -3.03	34.12 3.28 -2.59	34.44 3.06 -3.02	44.55 3.12 -12.31	47.48 3.42 -12.10	47.66 3.56 -10.23	55.77 3.91 -16.61	90.50 3.94 -50.69	165.53 4.24 -123.42	188.34 4.45 -145.81	134.51 4.38 -92.01	77.96 4.10 -35.96	52.77 3.56 -14.67	49.23 3.07 -16.03	31.29 3.06 -0.65	30.28 2.75 -2.30
HUNTLEY___63 23557	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.30 0.77 0.00	26.38 0.00 0.00	27.03 -0.30 0.00	27.92 -0.34 0.00	28.27 -0.09 0.00	29.04 -0.09 0.00	31.68 -0.32 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.57 -0.29 0.00	37.54 -0.49 -0.16	38.91 0.15 -0.68	38.77 0.42 -0.24	37.73 -0.38 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.68 0.45 0.00
HUNTLEY___64 23558	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.30 0.77 0.00	26.38 0.00 0.00	27.03 -0.30 0.00	27.92 -0.34 0.00	28.27 -0.09 0.00	29.04 -0.09 0.00	31.68 -0.32 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.57 -0.29 0.00	37.54 -0.49 -0.16	38.91 0.15 -0.68	38.77 0.42 -0.24	37.73 -0.38 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.68 0.45 0.00
HUNTLEY___65 23559	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.30 0.77 0.00	26.38 0.00 0.00	27.03 -0.30 0.00	27.92 -0.34 0.00	28.27 -0.09 0.00	29.04 -0.09 0.00	31.68 -0.32 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.57 -0.29 0.00	37.54 -0.49 -0.16	38.91 0.15 -0.68	38.77 0.42 -0.24	37.73 -0.38 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.68 0.45 0.00
HUNTLEY___66 23560	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.30 0.77 0.00	26.38 0.00 0.00	27.03 -0.30 0.00	27.92 -0.34 0.00	28.27 -0.09 0.00	29.04 -0.09 0.00	31.68 -0.32 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.57 -0.29 0.00	37.54 -0.49 -0.16	38.91 0.15 -0.68	38.77 0.42 -0.24	37.73 -0.38 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.68 0.45 0.00
HUNTLEY___67 23561	25.87 0.28 0.00	23.95 0.26 0.00	22.75 0.11 0.00	21.70 0.19 0.00	21.80 0.09 0.00	23.84 0.38 0.00	26.17 0.64 0.00	26.25 -0.13 0.00	26.89 -0.44 0.00	27.78 -0.48 0.00	28.10 -0.26 0.00	28.87 -0.26 0.00	31.48 -0.51 -0.03	33.57 -0.30 0.00	34.79 -0.46 0.00	35.39 -0.47 0.00	37.32 -0.72 -0.17	38.65 -0.11 -0.69	38.47 0.11 -0.24	37.47 -0.64 -0.21	33.92 -0.62 0.00	29.89 -0.24 0.00	27.41 -0.17 0.00	25.56 0.33 0.00
HUNTLEY___68 23562	25.87 0.28 0.00	23.95 0.26 0.00	22.75 0.11 0.00	21.70 0.19 0.00	21.80 0.09 0.00	23.84 0.38 0.00	26.17 0.64 0.00	26.25 -0.13 0.00	26.89 -0.44 0.00	27.78 -0.48 0.00	28.10 -0.26 0.00	28.87 -0.26 0.00	31.48 -0.51 -0.03	33.57 -0.30 0.00	34.79 -0.46 0.00	35.39 -0.47 0.00	37.32 -0.72 -0.17	38.65 -0.11 -0.69	38.47 0.11 -0.24	37.47 -0.64 -0.21	33.92 -0.62 0.00	29.89 -0.24 0.00	27.41 -0.17 0.00	25.56 0.33 0.00
HYLAND___LFGE 323620	26.86 1.28 0.00	24.94 1.25 0.00	23.81 1.18 0.00	22.62 1.12 0.00	22.97 1.26 0.00	24.90 1.43 0.00	27.71 2.17 0.00	28.41 2.03 0.00	29.05 1.72 0.00	29.73 1.47 0.00	29.94 1.59 0.00	30.61 1.48 0.00	31.65 -0.35 -0.04	34.14 0.27 0.00	35.53 0.28 0.00	36.33 0.46 0.00	38.54 0.49 -0.18	40.12 1.30 -0.75	40.05 1.68 -0.26	39.53 1.40 -0.21	35.99 1.45 0.00	32.42 2.29 0.00	29.32 1.74 0.00	26.87 1.64 0.00
INDECK___CORINTH 23802	26.56 0.97 0.00	24.47 0.78 0.00	23.29 0.66 0.00	22.13 0.62 0.00	22.32 0.61 0.00	24.19 0.73 0.00	26.43 0.89 0.00	27.75 1.37 -0.01	28.91 1.58 0.00	32.52 1.58 -2.69	30.69 1.62 -0.71	30.68 1.63 0.08	33.30 1.50 0.17	35.45 1.66 0.08	36.13 1.45 0.56	37.19 1.44 0.10	41.67 1.44 -2.36	48.35 1.75 -8.52	44.40 1.83 -4.46	42.74 1.78 -3.05	36.27 1.73 0.00	31.66 1.54 0.00	28.62 1.30 0.25	26.52 1.29 0.00
INDECK___ILION 23567	25.92 0.33 0.00	24.00 0.31 0.00	22.91 0.27 0.00	21.77 0.26 0.00	21.97 0.26 0.00	23.77 0.31 0.00	25.87 0.33 0.00	26.75 0.37 0.00	27.77 0.44 0.00	28.71 0.45 0.00	28.81 0.45 0.00	29.62 0.50 0.00	32.47 0.51 0.00	34.41 0.54 0.00	35.85 0.60 0.00	36.47 0.61 0.00	38.51 0.64 0.00	38.80 0.72 0.00	38.87 0.76 0.00	38.59 0.68 0.00	35.13 0.59 0.00	30.64 0.51 0.00	28.02 0.44 0.00	25.63 0.40 0.00



INDECK___OLEAN 23982	25.61 0.03 0.00	23.88 0.19 0.00	22.57 -0.07 0.00	21.46 -0.04 0.00	21.93 0.22 0.00	23.72 0.26 0.00	26.05 0.51 0.00	26.19 -0.18 0.00	26.86 -0.46 0.00	27.80 -0.45 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.55 -0.45 -0.04	33.60 -0.27 0.00	34.86 -0.39 0.00	35.50 -0.36 0.00	36.89 -1.17 -0.19	38.29 -0.57 -0.79	37.85 -0.53 -0.27	36.88 -1.25 -0.22	33.92 -0.62 0.00	29.86 -0.27 0.00	27.33 -0.25 0.00	25.36 0.13 0.00
INDECK___OSWEGO 23783	25.17 -0.41 0.00	23.31 -0.38 0.00	22.25 -0.38 0.00	21.16 -0.34 0.00	21.39 -0.33 0.00	23.14 -0.33 0.00	25.23 -0.31 0.00	25.82 -0.56 0.00	28.23 -0.66 -1.56	29.55 -0.71 -2.00	29.76 -0.68 -2.08	30.87 -0.67 -2.41	32.31 -0.83 -1.18	32.72 -1.15 0.00	35.27 -1.20 -1.22	37.71 -1.18 -3.03	40.29 -1.25 -3.67	41.16 -1.11 -4.19	40.14 -1.03 -3.06	37.36 -1.18 -0.62	35.32 -1.07 -1.86	29.44 -0.69 0.00	28.26 -0.63 -1.31	24.68 -0.56 0.00
INDECK___YERKES 23781	25.97 0.38 0.00	24.12 0.43 0.00	22.86 0.23 0.00	21.77 0.26 0.00	22.19 0.48 0.00	24.01 0.54 0.00	26.35 0.82 0.00	26.38 0.00 0.00	27.06 -0.27 0.00	27.95 -0.31 0.00	28.30 -0.06 0.00	29.07 -0.06 0.00	31.74 -0.26 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.65 -0.21 0.00	37.50 -0.53 -0.16	38.87 0.11 -0.68	38.62 0.27 -0.24	37.68 -0.42 -0.19	34.16 -0.38 0.00	30.10 -0.03 0.00	27.58 0.00 0.00	25.71 0.48 0.00
INDIAN POINT_GT_1 24139	27.09 1.51 0.00	25.06 1.37 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.84 1.13 0.00	24.62 1.15 0.00	26.76 1.23 0.00	28.07 1.69 0.00	29.30 1.97 0.00	30.40 2.15 0.00	30.43 2.07 0.00	31.31 2.13 -0.06	35.27 2.46 -0.85	36.50 2.57 -0.05	38.39 2.75 -0.40	38.73 2.80 -0.07	42.74 2.99 -1.88	49.84 3.12 -8.64	43.83 3.09 -2.63	42.99 2.81 -2.28	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	26.97 1.74 0.00
INDIAN POINT_GT_2 23659	27.09 1.51 0.00	25.06 1.37 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.84 1.13 0.00	24.62 1.15 0.00	26.76 1.23 0.00	28.07 1.69 0.00	29.30 1.97 0.00	30.40 2.15 0.00	30.43 2.07 0.00	31.31 2.13 -0.06	35.27 2.46 -0.85	36.50 2.57 -0.05	38.39 2.75 -0.40	38.73 2.80 -0.07	42.74 2.99 -1.88	49.84 3.12 -8.64	43.83 3.09 -2.63	42.99 2.81 -2.28	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	26.97 1.74 0.00
INDIAN POINT_GT_3 24019	27.09 1.51 0.00	25.06 1.37 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.84 1.13 0.00	24.62 1.15 0.00	26.76 1.23 0.00	28.07 1.69 0.00	29.30 1.97 0.00	30.40 2.15 0.00	30.43 2.07 0.00	31.31 2.13 -0.06	35.27 2.46 -0.85	36.50 2.57 -0.05	38.39 2.75 -0.40	38.73 2.80 -0.07	42.74 2.99 -1.88	49.84 3.12 -8.64	43.83 3.09 -2.63	42.99 2.81 -2.28	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	26.97 1.74 0.00
INDIAN POINT___2 23530	27.12 1.53 0.00	25.09 1.40 0.00	23.90 1.27 0.00	22.69 1.18 0.00	22.84 1.13 0.00	24.66 1.20 0.00	26.81 1.28 0.00	28.01 1.64 0.00	29.21 1.88 0.00	30.32 2.06 0.00	30.34 1.98 0.00	31.22 2.04 -0.05	35.15 2.37 -0.82	36.39 2.47 -0.05	38.28 2.65 -0.38	38.58 2.65 -0.07	42.55 2.84 -1.84	49.47 2.97 -8.42	43.62 2.93 -2.57	42.80 2.65 -2.24	36.82 2.28 0.00	32.18 2.05 0.00	29.71 1.96 -0.17	26.92 1.69 0.00
INDIAN POINT___3 23531	27.02 1.43 0.00	24.99 1.30 0.00	23.81 1.18 0.00	22.60 1.10 0.00	22.82 1.11 0.00	24.57 1.10 0.00	26.74 1.20 0.00	27.99 1.61 0.00	29.21 1.89 0.00	30.32 2.06 0.00	30.34 1.99 0.00	31.22 2.04 -0.06	35.17 2.37 -0.85	36.40 2.47 -0.05	38.25 2.61 -0.40	38.59 2.65 -0.07	42.59 2.84 -1.88	49.69 2.97 -8.65	43.68 2.93 -2.63	42.84 2.65 -2.28	36.78 2.25 0.00	32.15 2.02 0.00	29.72 1.96 -0.18	26.92 1.69 0.00
INGHAM_C_115KV_TB7 356103	26.17 0.59 0.00	24.23 0.54 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.12 0.59 0.00	27.04 0.66 0.00	28.04 0.71 0.00	28.99 0.73 0.00	29.12 0.77 0.00	29.91 0.79 0.00	32.79 0.83 0.00	34.75 0.88 0.00	36.17 0.92 0.00	36.79 0.93 0.00	38.85 0.98 0.00	39.10 1.03 0.00	39.22 1.11 0.00	38.93 1.02 0.00	35.47 0.93 0.00	30.91 0.78 0.00	28.30 0.72 0.00	25.89 0.66 0.00
IP CORINTH___1 23988	26.63 1.05 0.00	24.54 0.85 0.00	23.38 0.75 0.00	22.17 0.67 0.00	22.43 0.72 0.00	24.26 0.80 0.00	26.51 0.97 0.00	27.89 1.50 -0.01	29.08 1.75 0.00	32.69 1.75 -2.69	30.83 1.76 -0.71	30.85 1.81 0.08	33.49 1.69 0.17	35.52 1.73 0.08	36.31 1.62 0.56	37.41 1.65 0.10	41.89 1.67 -2.36	48.57 1.98 -8.52	44.63 2.06 -4.46	42.95 2.01 -3.04	36.47 1.93 0.00	31.85 1.72 0.00	28.79 1.46 0.25	26.64 1.41 0.00
IP___TICONDEROGA 23804	27.94 2.35 0.00	25.66 1.97 0.00	24.38 1.74 0.00	23.10 1.59 0.00	23.39 1.67 0.00	25.34 1.88 0.00	27.86 2.32 0.00	29.31 2.93 -0.01	30.64 3.31 0.00	34.48 3.25 -2.97	32.52 3.37 -0.79	32.54 3.50 0.08	35.11 3.32 0.18	37.21 3.42 0.08	38.02 3.35 0.57	39.34 3.59 0.11	43.86 3.64 -2.35	50.67 4.11 -8.48	46.94 4.27 -4.55	45.19 4.25 -3.04	38.82 4.28 0.00	33.68 3.56 0.00	30.33 3.01 0.26	27.98 2.75 0.00
ISLIP_RES_REC 323679	33.37 3.15 -4.64	29.39 2.89 -2.82	25.15 2.51 0.00	23.83 2.32 0.00	24.04 2.32 0.00	26.12 2.65 0.00	30.43 2.94 -1.95	33.61 3.43 -3.80	34.10 3.72 -3.05	34.87 3.90 -2.72	39.91 3.63 -7.92	41.67 3.78 -8.76	44.19 4.31 -7.92	45.44 4.57 -7.00	51.40 4.72 -11.43	73.28 4.77 -32.65	121.35 4.96 -78.52	123.98 5.10 -80.81	101.55 5.03 -58.40	65.96 4.78 -23.28	48.56 4.35 -9.67	44.71 3.86 -10.73	32.00 3.64 -0.78	34.47 3.23 -6.00
JAMAICA___27_KV_LOAD 355505	27.43 1.84 0.00	25.32 1.63 0.00	24.13 1.49 0.00	22.91 1.40 0.00	23.12 1.41 0.00	24.92 1.45 0.00	27.25 1.71 0.00	28.67 2.29 0.00	30.01 2.68 0.00	31.20 2.94 0.00	30.97 2.61 0.00	31.89 2.71 -0.06	36.02 3.20 -0.86	37.28 3.35 -0.06	39.18 3.52 -0.40	39.45 3.51 -0.07	43.61 3.82 -1.91	50.79 3.92 -8.80	44.68 3.89 -2.68	43.76 3.53 -2.32	37.54 3.00 0.00	32.84 2.71 0.00	30.52 2.76 -0.18	27.50 2.27 0.00
JANIS___SOLAR 323808	26.68 1.10 0.00	24.68 0.99 0.00	23.54 0.91 0.00	22.39 0.88 0.00	22.69 0.98 0.00	24.61 1.15 0.00	26.91 1.38 0.00	27.57 1.19 0.00	28.70 1.09 -0.28	29.57 0.96 -0.35	29.72 0.99 -0.37	30.63 1.08 -0.43	33.23 0.99 -0.27	34.92 1.05 0.00	36.80 1.34 -0.22	37.83 1.44 -0.54	40.46 1.63 -0.96	42.20 2.09 -2.04	41.51 2.40 -0.99	40.49 2.16 -0.42	36.73 1.86 -0.33	31.60 1.48 0.00	29.02 1.21 -0.23	26.37 1.14 0.00
JARVIS____ 23743	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.54 0.07 0.00	25.61 0.08 0.00	26.48 0.11 0.00	27.49 0.16 0.00	28.43 0.17 0.00	28.53 0.17 0.00	29.33 0.21 0.00	32.19 0.23 0.00	34.11 0.24 0.00	35.50 0.25 0.00	36.11 0.25 0.00	38.14 0.27 0.00	38.38 0.30 0.00	38.42 0.30 0.00	38.17 0.27 0.00	34.75 0.21 0.00	30.34 0.21 0.00	27.77 0.19 0.00	25.38 0.15 0.00



JENNISON___1 23625	26.79 1.20 0.00	24.78 1.09 0.00	23.65 1.02 0.00	22.47 0.97 0.00	22.71 1.00 0.00	24.69 1.22 0.00	26.92 1.38 0.00	27.64 1.27 0.00	28.77 1.26 -0.18	29.65 1.16 -0.23	29.82 1.22 -0.24	30.79 1.37 -0.29	33.64 1.34 -0.34	35.34 1.46 -0.01	37.24 1.76 -0.23	38.09 1.86 -0.37	40.78 2.01 -0.90	43.05 2.32 -2.65	41.72 2.59 -1.02	40.95 2.39 -0.65	36.79 2.04 -0.21	31.69 1.57 0.00	29.08 1.35 -0.15	26.47 1.24 0.00
JENNISON___2 23626	26.79 1.20 0.00	24.78 1.09 0.00	23.65 1.02 0.00	22.47 0.97 0.00	22.71 1.00 0.00	24.69 1.22 0.00	26.92 1.38 0.00	27.64 1.27 0.00	28.77 1.26 -0.18	29.65 1.16 -0.23	29.82 1.22 -0.24	30.79 1.37 -0.29	33.64 1.34 -0.34	35.34 1.46 -0.01	37.24 1.76 -0.23	38.09 1.86 -0.37	40.78 2.01 -0.90	43.05 2.32 -2.65	41.72 2.59 -1.02	40.95 2.39 -0.65	36.79 2.04 -0.21	31.69 1.57 0.00	29.08 1.35 -0.15	26.47 1.24 0.00
JERICHO_RISE_WT_PWR 323719	25.89 0.31 0.00	23.95 0.26 0.00	23.06 0.43 0.00	21.89 0.39 0.00	22.12 0.41 0.00	23.91 0.44 0.00	26.02 0.48 0.00	26.96 0.58 0.00	27.82 0.49 0.00	28.71 0.45 0.00	28.78 0.43 0.00	29.51 0.38 0.00	32.38 0.41 0.00	34.38 0.51 0.00	35.60 0.35 0.00	36.18 0.32 0.00	38.29 0.42 0.00	38.42 0.34 0.00	38.42 0.30 0.00	38.40 0.49 0.00	35.13 0.59 0.00	30.52 0.39 0.00	27.94 0.36 0.00	25.51 0.28 0.00
KATONAH___115KV_46KV_TB4 355592	27.50 1.92 0.00	25.44 1.75 0.00	24.17 1.54 0.00	22.95 1.44 0.00	23.04 1.32 0.00	24.83 1.36 0.00	27.07 1.53 0.00	28.41 2.03 0.00	29.82 2.49 0.00	30.91 2.66 0.00	30.97 2.61 0.00	31.86 2.68 -0.06	35.86 3.04 -0.86	37.14 3.22 -0.05	39.14 3.49 -0.40	39.48 3.55 -0.07	43.57 3.75 -1.95	50.98 3.96 -8.95	44.74 3.89 -2.74	44.00 3.71 -2.37	37.65 3.11 0.00	32.78 2.65 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
KCE_NY_1 323755	26.91 1.33 0.00	24.85 1.16 0.00	23.68 1.04 0.00	22.50 0.99 0.00	22.69 0.98 0.00	24.55 1.08 0.00	26.74 1.20 0.00	27.97 1.58 -0.01	29.08 1.75 0.00	33.44 1.81 -3.37	31.07 1.82 -0.89	30.88 1.84 0.08	33.74 1.98 0.20	35.93 2.14 0.08	36.74 2.08 0.59	37.94 2.19 0.11	42.45 2.23 -2.35	48.95 2.44 -8.43	45.32 2.51 -4.69	43.41 2.46 -3.04	36.82 2.28 0.00	32.06 1.93 0.00	29.00 1.68 0.27	26.74 1.51 0.00
KCE_NY_6_ESR 323823	26.07 0.48 0.00	24.21 0.52 0.00	22.93 0.29 0.00	21.83 0.32 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.45 0.92 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.90 -0.10 -0.04	33.94 0.07 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.59 -0.45 -0.17	39.02 0.23 -0.71	38.70 0.34 -0.25	37.77 -0.34 -0.20	34.33 -0.21 0.00	30.25 0.12 0.00	27.72 0.14 0.00	25.79 0.55 0.00
KEDC_PORT_JEFF_GT2 24210	33.09 2.86 -4.64	29.11 2.61 -2.82	24.92 2.29 0.00	23.62 2.11 0.00	23.80 2.08 0.00	25.86 2.39 0.00	30.12 2.63 -1.95	33.27 3.08 -3.80	33.74 3.36 -3.06	34.49 3.50 -2.73	39.98 3.23 -8.39	41.56 3.35 -9.09	43.94 3.67 -8.30	45.00 3.83 -7.30	52.14 3.95 -12.94	77.73 3.91 -37.96	133.68 4.05 -91.75	136.95 4.19 -94.69	110.61 4.19 -68.31	68.82 3.91 -27.00	49.33 3.66 -11.13	44.60 3.25 -11.21	31.66 3.28 -0.80	34.71 2.93 -6.56
KEDC_PORT_JEFF_GT3 24211	33.09 2.86 -4.64	29.11 2.61 -2.82	24.92 2.29 0.00	23.62 2.11 0.00	23.80 2.08 0.00	25.86 2.39 0.00	30.12 2.63 -1.95	33.27 3.08 -3.80	33.74 3.36 -3.06	34.49 3.50 -2.73	39.98 3.23 -8.39	41.56 3.35 -9.09	43.94 3.67 -8.30	45.00 3.83 -7.30	52.14 3.95 -12.94	77.73 3.91 -37.96	133.68 4.05 -91.75	136.95 4.19 -94.69	110.61 4.19 -68.31	68.82 3.91 -27.00	49.33 3.66 -11.13	44.60 3.25 -11.21	31.66 3.28 -0.80	34.71 2.93 -6.56
KEDC_GLWD_GT4 24219	32.38 2.15 -4.64	28.45 1.94 -2.82	24.35 1.72 0.00	23.12 1.61 0.00	23.28 1.56 0.00	25.20 1.74 0.00	29.38 1.89 -1.95	32.46 2.29 -3.79	32.94 2.57 -3.04	33.69 2.80 -2.64	35.13 2.55 -4.22	35.09 2.62 -3.34	36.53 3.04 -1.53	39.14 3.18 -2.09	41.57 3.38 -2.94	42.06 3.41 -2.79	45.50 3.60 -4.03	50.61 3.73 -8.80	44.45 3.66 -2.68	43.61 3.37 -2.33	38.93 2.90 -1.49	35.30 2.59 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
KEDC_GLWD_GT5 24220	32.38 2.15 -4.64	28.45 1.94 -2.82	24.35 1.72 0.00	23.12 1.61 0.00	23.28 1.56 0.00	25.20 1.74 0.00	29.38 1.89 -1.95	32.46 2.29 -3.79	32.94 2.57 -3.04	33.69 2.80 -2.64	35.13 2.55 -4.22	35.09 2.62 -3.34	36.53 3.04 -1.53	39.14 3.18 -2.09	41.57 3.38 -2.94	42.06 3.41 -2.79	45.50 3.60 -4.03	50.61 3.73 -8.80	44.45 3.66 -2.68	43.61 3.37 -2.33	38.93 2.90 -1.49	35.30 2.59 -2.59	30.94 2.65 -0.71	30.47 2.32 -2.91
KENSICO____ 23655	27.15 1.56 0.00	25.11 1.42 0.00	23.90 1.27 0.00	22.69 1.18 0.00	22.91 1.19 0.00	24.69 1.22 0.00	26.84 1.30 0.00	28.15 1.77 0.00	29.38 2.05 0.00	30.49 2.23 0.00	30.51 2.16 0.00	31.40 2.21 -0.06	35.41 2.59 -0.86	36.60 2.68 -0.06	38.51 2.86 -0.40	38.80 2.87 -0.07	42.88 3.11 -1.91	50.04 3.20 -8.77	43.94 3.16 -2.67	43.10 2.88 -2.31	36.99 2.45 0.00	32.33 2.20 0.00	29.89 2.12 -0.18	27.07 1.84 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	26.91 1.33 0.00	24.90 1.21 0.00	23.74 1.11 0.00	22.54 1.03 0.00	22.76 1.04 0.00	24.50 1.03 0.00	26.66 1.12 0.00	27.85 1.48 0.00	28.94 1.61 0.00	29.72 1.75 0.29	29.95 1.67 0.08	30.84 1.69 -0.03	34.56 2.05 -0.55	36.00 2.10 -0.02	37.72 2.29 -0.18	38.23 2.33 -0.03	42.10 2.58 -1.65	48.05 2.74 -7.24	43.14 2.78 -2.25	42.37 2.43 -2.03	36.68 2.14 0.00	31.94 1.81 0.00	29.40 1.74 -0.09	26.77 1.54 0.00
KIAC_JFK_GT1 23816	27.27 1.69 0.00	25.18 1.49 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.78 1.31 0.00	27.07 1.53 0.00	28.51 2.14 0.00	29.82 2.49 0.00	31.00 2.74 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.34 3.56 -1.91	50.49 3.62 -8.80	44.37 3.58 -2.68	43.49 3.26 -2.32	37.27 2.73 0.00	32.63 2.50 0.00	30.33 2.56 -0.18	27.32 2.09 0.00
KIAC_JFK_GT2 23817	27.27 1.69 0.00	25.18 1.49 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.78 1.31 0.00	27.07 1.53 0.00	28.51 2.14 0.00	29.82 2.49 0.00	31.00 2.74 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.34 3.56 -1.91	50.49 3.62 -8.80	44.37 3.58 -2.68	43.49 3.26 -2.32	37.27 2.73 0.00	32.63 2.50 0.00	30.33 2.56 -0.18	27.32 2.09 0.00
KIAC_JFK____ 323774	27.37 1.79 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.88 1.38 0.00	23.02 1.30 0.00	24.87 1.41 0.00	27.17 1.64 0.00	28.54 2.16 0.00	29.82 2.49 0.00	31.00 2.74 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.34 3.56 -1.91	50.49 3.62 -8.80	44.37 3.58 -2.68	43.46 3.22 -2.33	37.30 2.76 0.00	32.63 2.50 0.00	30.33 2.57 -0.18	27.32 2.09 0.00



KINTIGH____ 23543	25.84 0.26 0.00	23.93 0.24 0.00	22.77 0.14 0.00	21.70 0.19 0.00	21.80 0.09 0.00	23.82 0.35 0.00	26.12 0.59 0.00	26.33 -0.05 0.00	26.87 -0.33 0.13	27.69 -0.40 0.17	28.01 -0.17 0.18	28.75 -0.17 0.20	31.54 -0.35 0.07	33.63 -0.24 0.00	34.76 -0.39 0.10	35.21 -0.39 0.25	37.26 -0.45 0.15	38.44 0.08 -0.29	38.38 0.30 0.03	37.71 -0.34 -0.14	33.87 -0.52 0.16	29.98 -0.15 0.00	27.33 -0.14 0.11	25.51 0.28 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	26.30 0.72 0.00	24.33 0.64 0.00	23.47 0.84 0.00	22.28 0.77 0.00	22.52 0.80 0.00	24.36 0.89 0.00	26.51 0.97 0.00	27.49 1.11 0.00	28.31 0.98 0.00	29.19 0.93 0.00	29.27 0.91 0.00	30.00 0.87 0.00	32.92 0.96 0.00	34.96 1.08 0.00	36.17 0.92 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.14 1.07 0.00	39.14 1.03 0.00	39.08 1.18 0.00	35.82 1.28 0.00	31.06 0.93 0.00	28.44 0.85 0.00	25.94 0.71 0.00
LACHUTE__HYDRO 323717	28.02 2.43 0.00	25.70 2.01 0.00	24.42 1.79 0.00	23.16 1.66 0.00	23.41 1.69 0.00	25.41 1.95 0.00	27.94 2.40 0.00	29.34 2.95 -0.01	30.63 3.31 0.00	34.47 3.25 -2.97	32.52 3.37 -0.79	32.54 3.49 0.08	35.11 3.32 0.18	37.42 3.63 0.08	38.03 3.35 0.57	39.34 3.59 0.11	43.82 3.60 -2.35	50.67 4.11 -8.48	46.90 4.23 -4.55	45.20 4.24 -3.04	38.82 4.28 0.00	33.68 3.55 0.00	30.33 3.01 0.26	27.98 2.75 0.00
LAWRNCV_115KV_TB1 80681	25.20 -0.38 0.00	23.31 -0.38 0.00	22.41 -0.23 0.00	21.27 -0.24 0.00	21.43 -0.28 0.00	23.07 -0.40 0.00	24.87 -0.66 0.00	25.74 -0.63 0.00	26.62 -0.71 0.00	27.35 -0.90 0.00	27.42 -0.94 0.00	28.11 -1.02 0.00	30.84 -1.12 0.00	32.69 -1.19 0.00	33.95 -1.30 0.00	34.53 -1.33 0.00	36.51 -1.36 0.00	36.59 -1.48 0.00	36.59 -1.52 0.00	36.66 -1.25 0.00	33.54 -1.00 0.00	29.13 -0.99 0.00	26.75 -0.83 0.00	24.63 -0.61 0.00
LEDERLE____ 23769	27.04 1.46 0.00	25.04 1.35 0.00	23.86 1.22 0.00	22.63 1.12 0.00	22.86 1.15 0.00	24.62 1.15 0.00	26.79 1.25 0.00	28.04 1.66 0.00	29.24 1.91 0.00	30.35 2.09 0.00	30.37 2.01 0.00	31.25 2.07 -0.05	35.15 2.40 -0.79	36.43 2.51 -0.05	38.30 2.68 -0.37	38.65 2.73 -0.07	42.58 2.92 -1.79	49.33 3.05 -8.21	43.67 3.05 -2.51	42.81 2.73 -2.18	36.89 2.35 0.00	32.21 2.08 0.00	29.73 1.99 -0.17	26.97 1.74 0.00
LIGHTHSE_115KV_TB6 355974	25.43 -0.15 0.00	23.52 -0.17 0.00	22.48 -0.16 0.00	21.38 -0.13 0.00	21.58 -0.13 0.00	23.40 -0.07 0.00	25.54 0.00 0.00	26.14 -0.24 0.00	27.82 -0.33 -0.82	28.85 -0.45 -1.05	28.99 -0.45 -1.09	29.95 -0.44 -1.26	31.85 -0.74 -0.63	33.13 -0.75 0.00	35.22 -0.67 -0.64	36.84 -0.61 -1.59	39.19 -0.64 -1.96	39.97 -0.46 -2.35	39.50 -0.27 -1.65	37.79 -0.49 -0.38	34.96 -0.55 -0.97	29.68 -0.45 0.00	27.88 -0.39 -0.69	24.93 -0.30 0.00
LINDEN COGEN____ 23786	27.27 1.69 0.00	25.18 1.49 0.00	24.04 1.40 0.00	22.82 1.31 0.00	22.93 1.22 0.00	24.76 1.29 0.00	26.97 1.43 0.00	28.20 1.82 0.00	29.46 2.13 0.00	30.60 2.34 0.00	30.57 2.21 0.00	31.49 2.30 -0.06	35.54 2.72 -0.86	36.70 2.78 -0.06	38.62 2.96 -0.40	38.88 2.94 -0.07	42.93 3.14 -1.91	50.11 3.23 -8.80	43.95 3.16 -2.68	43.09 2.84 -2.33	36.99 2.45 0.00	32.45 2.32 0.00	30.05 2.29 -0.18	27.15 1.92 0.00
LINDHRST_69_KV_BK1 356055	32.89 2.66 -4.64	28.95 2.44 -2.82	24.74 2.10 0.00	23.42 1.91 0.00	23.73 2.02 0.00	25.69 2.23 0.00	29.92 2.43 -1.95	33.10 2.93 -3.79	33.60 3.22 -3.04	34.27 3.36 -2.65	36.36 3.18 -4.83	37.08 3.32 -4.63	38.85 3.84 -3.06	40.96 4.03 -3.06	43.22 4.16 -3.81	45.96 4.23 -5.86	54.00 4.43 -11.70	58.59 4.57 -15.95	51.06 4.54 -8.41	46.67 4.28 -4.48	40.67 3.80 -2.33	38.16 3.49 -4.53	31.55 3.25 -0.71	31.34 2.88 -3.23
LIPA_MISC_IPP 23656	33.09 2.87 -4.64	29.14 2.63 -2.82	24.92 2.29 0.00	23.55 2.04 0.00	23.88 2.17 0.00	25.88 2.42 0.00	30.17 2.68 -1.95	33.40 3.22 -3.80	33.88 3.50 -3.05	34.59 3.62 -2.72	39.89 3.35 -8.19	41.17 3.47 -8.58	43.63 3.96 -7.70	42.64 4.20 -4.57	52.35 4.30 -12.80	77.75 4.41 -37.48	133.07 4.62 -90.58	132.68 4.80 -89.81	110.30 4.76 -67.42	69.03 4.47 -26.65	49.50 3.97 -10.99	44.19 3.62 -10.45	31.76 3.39 -0.79	34.76 3.03 -6.50
LISF__SOLAR 323691	33.32 3.09 -4.64	29.32 2.82 -2.82	25.10 2.47 0.00	23.78 2.28 0.00	23.97 2.26 0.00	26.05 2.58 0.00	30.35 2.86 -1.95	33.53 3.35 -3.80	33.99 3.61 -3.05	34.71 3.73 -2.72	39.97 3.43 -8.18	41.32 3.55 -8.64	43.83 4.09 -7.78	45.10 4.34 -6.89	52.40 4.48 -12.67	77.48 4.59 -37.03	132.13 4.81 -89.45	132.42 4.99 -89.35	109.65 4.95 -66.58	68.92 4.66 -26.35	49.66 4.25 -10.87	44.44 3.77 -10.55	31.87 3.50 -0.79	34.81 3.13 -6.45
LITTLE FALLS__HYD 24013	26.17 0.59 0.00	24.23 0.54 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.12 0.59 0.00	27.04 0.66 0.00	28.04 0.71 0.00	28.99 0.73 0.00	29.12 0.77 0.00	29.91 0.79 0.00	32.79 0.83 0.00	34.75 0.88 0.00	36.17 0.92 0.00	36.79 0.93 0.00	38.85 0.98 0.00	39.10 1.03 0.00	39.22 1.11 0.00	38.93 1.02 0.00	35.47 0.93 0.00	30.91 0.78 0.00	28.30 0.72 0.00	25.89 0.66 0.00
LITTLRIV_115KV_TB1 356100	25.30 -0.28 0.00	23.41 -0.28 0.00	22.50 -0.14 0.00	21.38 -0.13 0.00	21.54 -0.17 0.00	23.21 -0.26 0.00	25.03 -0.51 0.00	25.96 -0.42 0.00	26.81 -0.52 0.00	27.52 -0.73 0.00	27.59 -0.77 0.00	28.31 -0.82 0.00	31.03 -0.93 0.00	32.89 -0.98 0.00	34.23 -1.02 0.00	34.82 -1.04 0.00	36.81 -1.06 0.00	36.93 -1.14 0.00	36.97 -1.14 0.00	37.04 -0.87 0.00	33.88 -0.66 0.00	29.34 -0.78 0.00	26.92 -0.66 0.00	24.75 -0.48 0.00
LI_NEWBRDGE__DRP 323616	32.22 2.00 -4.64	28.33 1.82 -2.82	24.20 1.56 0.00	22.91 1.40 0.00	23.21 1.50 0.00	25.08 1.62 0.00	29.25 1.76 -1.95	32.38 2.22 -3.79	32.88 2.51 -3.04	33.58 2.68 -2.64	35.10 2.52 -4.22	35.06 2.59 -3.34	36.46 2.97 -1.53	39.04 3.08 -2.09	41.43 3.24 -2.94	41.95 3.30 -2.79	45.39 3.48 -4.03	50.53 3.66 -8.80	44.37 3.58 -2.68	43.57 3.34 -2.32	38.89 2.87 -1.49	35.33 2.62 -2.59	30.85 2.56 -0.71	30.39 2.25 -2.91
LOCKPORT_115KV_TB60_63_64 80432	25.84 0.26 0.00	23.93 0.24 0.00	22.75 0.11 0.00	21.70 0.19 0.00	21.78 0.07 0.00	23.84 0.38 0.00	26.23 0.69 0.00	26.30 -0.08 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	28.16 -0.20 0.00	28.92 -0.20 0.00	31.55 -0.45 -0.03	33.60 -0.27 0.00	34.83 -0.42 0.00	35.39 -0.47 0.00	37.38 -0.64 -0.16	38.73 0.00 -0.65	38.57 0.23 -0.23	37.57 -0.53 -0.20	33.99 -0.55 0.00	29.95 -0.18 0.00	27.44 -0.14 0.00	25.58 0.35 0.00
LOCKPORT__CC1 323769	25.81 0.23 0.00	24.00 0.31 0.00	22.75 0.11 0.00	21.66 0.15 0.00	22.08 0.37 0.00	23.89 0.42 0.00	26.23 0.69 0.00	26.25 -0.13 0.00	26.92 -0.41 0.00	27.78 -0.48 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.55 -0.45 -0.03	33.53 -0.34 0.00	34.76 -0.49 0.00	35.39 -0.47 0.00	37.23 -0.80 -0.16	38.62 -0.11 -0.66	38.34 0.00 -0.23	37.45 -0.64 -0.19	33.95 -0.59 0.00	29.92 -0.21 0.00	27.42 -0.16 0.00	25.58 0.35 0.00



LOCKPORT___CC2 323770	25.81 0.23 0.00	24.00 0.31 0.00	22.75 0.11 0.00	21.66 0.15 0.00	22.08 0.37 0.00	23.89 0.42 0.00	26.23 0.69 0.00	26.25 -0.13 0.00	26.92 -0.41 0.00	27.78 -0.48 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.55 -0.45 -0.03	33.53 -0.34 0.00	34.76 -0.49 0.00	35.39 -0.47 0.00	37.23 -0.80 -0.16	38.62 -0.11 -0.66	38.34 0.00 -0.23	37.45 -0.64 -0.19	33.95 -0.59 0.00	29.92 -0.21 0.00	27.42 -0.16 0.00	25.58 0.35 0.00
LOCKPORT___CC3 323771	25.81 0.23 0.00	24.00 0.31 0.00	22.75 0.11 0.00	21.66 0.15 0.00	22.08 0.37 0.00	23.89 0.42 0.00	26.23 0.69 0.00	26.25 -0.13 0.00	26.92 -0.41 0.00	27.78 -0.48 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.55 -0.45 -0.03	33.53 -0.34 0.00	34.76 -0.49 0.00	35.39 -0.47 0.00	37.23 -0.80 -0.16	38.62 -0.11 -0.66	38.34 0.00 -0.23	37.45 -0.64 -0.19	33.95 -0.59 0.00	29.92 -0.21 0.00	27.42 -0.16 0.00	25.58 0.35 0.00
LONG_LAKE_PHOENIX 24014	25.41 -0.18 0.00	23.50 -0.19 0.00	22.45 -0.18 0.00	21.34 -0.17 0.00	21.54 -0.17 0.00	23.32 -0.14 0.00	25.49 -0.05 0.00	26.01 -0.37 0.00	28.03 -0.46 -1.16	29.24 -0.51 -1.49	29.43 -0.48 -1.55	30.46 -0.47 -1.80	32.21 -0.64 -0.89	33.23 -0.64 0.00	35.53 -0.63 -0.91	37.47 -0.65 -2.26	39.99 -0.64 -2.76	40.86 -0.46 -3.24	40.09 -0.34 -2.32	37.84 -0.57 -0.50	35.34 -0.59 -1.38	29.68 -0.45 0.00	28.12 -0.44 -0.98	24.85 -0.38 0.00
LOVETT___3 23632	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.06 2.30 -0.80	36.33 2.40 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.48 2.80 -1.80	49.23 2.89 -8.27	43.50 2.86 -2.53	42.68 2.58 -2.19	36.72 2.18 0.00	32.12 1.99 0.00	29.65 1.90 -0.17	26.87 1.64 0.00
LOVETT___4 23642	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.06 2.30 -0.80	36.33 2.40 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.48 2.80 -1.80	49.23 2.89 -8.27	43.50 2.86 -2.53	42.68 2.58 -2.19	36.72 2.18 0.00	32.12 1.99 0.00	29.65 1.90 -0.17	26.87 1.64 0.00
LOVETT___5 23593	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.06 2.30 -0.80	36.33 2.40 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.48 2.80 -1.80	49.23 2.89 -8.27	43.50 2.86 -2.53	42.68 2.58 -2.19	36.72 2.18 0.00	32.12 1.99 0.00	29.65 1.90 -0.17	26.87 1.64 0.00
LOWER RAQUET___HYD 24057	25.17 -0.41 0.00	23.29 -0.40 0.00	22.41 -0.23 0.00	21.25 -0.26 0.00	21.41 -0.30 0.00	23.02 -0.45 0.00	24.82 -0.71 0.00	25.67 -0.71 0.00	26.64 -0.79 -0.11	27.38 -1.02 -0.14	27.42 -1.08 -0.14	28.13 -1.17 -0.17	30.73 -1.31 -0.08	32.52 -1.36 0.00	33.89 -1.45 -0.08	34.56 -1.50 -0.21	36.60 -1.52 -0.25	36.74 -1.60 -0.26	36.71 -1.60 -0.20	36.58 -1.36 -0.04	33.53 -1.14 -0.13	29.01 -1.11 0.00	26.73 -0.94 -0.09	24.55 -0.68 0.00
LOWER___HUDSON 24059	26.58 1.00 0.00	24.61 0.92 0.00	23.45 0.81 0.00	22.28 0.77 0.00	22.47 0.76 0.00	24.29 0.82 0.00	26.41 0.87 0.00	27.66 1.27 -0.02	28.69 1.37 0.00	37.60 1.47 -7.87	31.92 1.47 -2.09	30.48 1.46 0.10	33.22 1.63 0.38	35.50 1.73 0.10	36.28 1.76 0.73	37.55 1.83 0.14	42.07 1.89 -2.31	48.08 2.05 -7.95	46.46 2.09 -6.26	42.93 2.01 -3.01	36.33 1.79 0.00	31.63 1.51 0.00	28.63 1.38 0.33	26.44 1.21 0.00
LOWVILLE_115KV_TB2 356335	25.61 0.03 0.00	23.67 -0.02 0.00	22.66 0.02 0.00	21.53 0.02 0.00	21.74 0.02 0.00	23.56 0.09 0.00	25.64 0.10 0.00	26.48 0.11 0.00	27.65 0.08 -0.24	28.48 -0.08 -0.31	28.56 -0.11 -0.32	29.44 -0.06 -0.37	31.92 -0.22 -0.19	33.63 -0.24 0.00	35.33 -0.11 -0.19	36.39 0.07 -0.46	38.65 0.19 -0.59	39.17 0.34 -0.75	39.19 0.57 -0.50	38.50 0.45 -0.13	35.13 0.31 -0.28	30.19 0.06 0.00	27.78 0.00 -0.20	25.23 0.00 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	26.84 1.25 0.00	24.80 1.11 0.00	23.61 0.97 0.00	22.41 0.90 0.00	22.67 0.96 0.00	24.47 1.01 0.00	26.66 1.12 0.00	27.94 1.56 -0.01	29.08 1.75 0.00	33.41 1.78 -3.37	31.07 1.81 -0.89	30.88 1.84 0.08	33.71 1.95 0.20	35.79 2.00 0.08	36.70 2.04 0.59	37.90 2.15 0.11	42.42 2.20 -2.35	48.94 2.44 -8.43	45.32 2.52 -4.69	43.37 2.43 -3.03	36.78 2.25 0.00	32.03 1.90 0.00	29.00 1.68 0.27	26.74 1.51 0.00
LUTHERNY_35_KV_BK2 355980	26.84 1.25 0.00	24.80 1.11 0.00	23.63 1.00 0.00	22.43 0.92 0.00	22.67 0.96 0.00	24.50 1.03 0.00	26.69 1.15 0.00	27.97 1.58 -0.01	29.08 1.75 0.00	33.44 1.81 -3.37	31.07 1.81 -0.89	30.88 1.84 0.08	33.74 1.98 0.20	35.82 2.03 0.08	36.74 2.08 0.59	37.94 2.19 0.11	42.45 2.23 -2.35	48.98 2.47 -8.43	45.32 2.52 -4.69	43.41 2.46 -3.03	36.82 2.28 0.00	32.06 1.93 0.00	29.00 1.68 0.27	26.74 1.51 0.00
LWR___OSWEGATCHIE_HYD 23850	25.28 -0.31 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.29 -0.22 0.00	21.45 -0.26 0.00	23.18 -0.28 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.77 -0.28	28.66 -0.79 -0.32	31.16 -0.96 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.44 -0.91 -0.48	37.75 -0.84 -0.51	37.78 -0.72 -0.39	37.29 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
LYONS_FALL_HYD 23570	25.76 0.18 0.00	23.81 0.12 0.00	22.77 0.14 0.00	21.64 0.13 0.00	21.87 0.15 0.00	23.70 0.23 0.00	25.79 0.26 0.00	26.67 0.29 0.00	27.80 0.30 -0.17	28.64 0.17 -0.22	28.75 0.17 -0.23	29.62 0.23 -0.26	32.19 0.10 -0.13	33.97 0.10 0.00	35.66 0.28 -0.13	36.59 0.40 -0.33	38.79 0.49 -0.43	39.29 0.65 -0.57	39.29 0.80 -0.37	38.70 0.68 -0.10	35.29 0.55 -0.20	30.43 0.30 0.00	27.94 0.22 -0.14	25.43 0.20 0.00
MADISON___COUNTY_LFGE 323628	26.12 0.54 0.00	24.16 0.47 0.00	23.09 0.45 0.00	21.94 0.43 0.00	22.17 0.46 0.00	24.03 0.56 0.00	26.20 0.66 0.00	26.98 0.61 0.00	28.12 0.63 -0.17	29.03 0.57 -0.21	29.15 0.57 -0.22	30.05 0.67 -0.26	32.74 0.64 -0.14	34.51 0.64 0.00	36.23 0.85 -0.13	37.08 0.90 -0.32	39.30 0.98 -0.45	39.89 1.14 -0.68	39.81 1.30 -0.41	39.15 1.10 -0.14	35.64 0.90 -0.20	30.79 0.66 0.00	28.27 0.55 -0.14	25.76 0.53 0.00
MALONE___115KV_TB1 356076	25.97 0.38 0.00	24.02 0.33 0.00	23.18 0.54 0.00	21.98 0.47 0.00	22.21 0.50 0.00	23.98 0.52 0.00	26.02 0.49 0.00	27.01 0.63 0.00	27.88 0.55 0.00	28.71 0.45 0.00	28.78 0.43 0.00	29.48 0.35 0.00	32.38 0.42 0.00	34.38 0.51 0.00	35.53 0.28 0.00	36.08 0.22 0.00	38.17 0.30 0.00	38.38 0.30 0.00	38.38 0.27 0.00	38.36 0.45 0.00	35.16 0.62 0.00	30.49 0.36 0.00	27.94 0.36 0.00	25.53 0.30 0.00



MAPLEWOD_115KV_TB3 80458	26.33 0.74 0.00	24.40 0.71 0.00	23.25 0.61 0.00	22.07 0.56 0.00	22.34 0.63 0.00	24.08 0.61 0.00	26.17 0.64 0.00	27.32 0.95 0.01	28.39 1.07 0.00	25.14 1.16 4.27	28.39 1.16 1.13	30.22 1.17 0.08	33.15 1.34 0.16	35.19 1.39 0.07	36.15 1.45 0.55	37.27 1.51 0.10	41.78 1.59 -2.32	48.14 1.68 -8.39	41.76 1.72 -1.93	42.52 1.63 -2.99	35.99 1.45 0.00	31.33 1.21 0.00	28.44 1.10 0.25	26.16 0.93 0.00
MAPLE_RIDGE_WT_1 323574	25.64 0.05 0.00	23.74 0.05 0.00	22.66 0.02 0.00	21.55 0.04 0.00	21.74 0.02 0.00	23.49 0.02 0.00	25.56 0.03 0.00	26.43 0.05 0.00	27.41 0.08 0.00	28.34 0.09 0.00	28.47 0.11 0.00	29.24 0.12 0.00	32.09 0.13 0.00	34.01 0.14 0.00	35.39 0.14 0.00	35.97 0.11 0.00	37.98 0.11 0.00	38.23 0.15 0.00	38.26 0.15 0.00	37.95 0.04 0.00	34.57 0.03 0.00	30.19 0.06 0.00	27.66 0.08 0.00	25.31 0.08 0.00
MAPLE_RIDGE_WT_2 323611	25.64 0.05 0.00	23.74 0.05 0.00	22.66 0.02 0.00	21.55 0.04 0.00	21.74 0.02 0.00	23.49 0.02 0.00	25.56 0.03 0.00	26.43 0.05 0.00	27.41 0.08 0.00	28.34 0.09 0.00	28.47 0.11 0.00	29.24 0.12 0.00	32.09 0.13 0.00	34.01 0.14 0.00	35.39 0.14 0.00	35.97 0.11 0.00	37.98 0.11 0.00	38.23 0.15 0.00	38.26 0.15 0.00	37.95 0.04 0.00	34.57 0.03 0.00	30.19 0.06 0.00	27.66 0.08 0.00	25.31 0.08 0.00
MARBLE_RIVER_WT_PWR 323696	25.99 0.41 0.00	24.05 0.36 0.00	23.16 0.52 0.00	21.96 0.45 0.00	22.21 0.50 0.00	24.01 0.54 0.00	26.12 0.59 0.00	27.06 0.68 0.00	27.93 0.60 0.00	28.79 0.54 0.00	28.87 0.51 0.00	29.62 0.49 0.00	32.47 0.51 0.00	34.51 0.64 0.00	35.74 0.49 0.00	36.29 0.43 0.00	38.40 0.53 0.00	38.57 0.49 0.00	38.57 0.46 0.00	38.51 0.60 0.00	35.27 0.73 0.00	30.61 0.48 0.00	28.02 0.44 0.00	25.61 0.38 0.00
MARSHVLE_115KV_TB1 80742	27.04 1.46 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.84 1.13 0.00	24.73 1.27 0.00	27.09 1.56 0.00	28.33 1.95 0.00	29.49 2.16 0.00	30.38 2.12 0.00	30.48 2.13 0.00	31.25 2.18 0.07	34.31 2.40 0.05	36.28 2.47 0.06	37.32 2.54 0.47	38.57 2.80 0.09	43.17 2.92 -2.38	50.19 3.27 -8.84	45.03 3.39 -3.52	44.30 3.34 -3.05	37.68 3.14 0.00	32.63 2.50 0.00	29.49 2.12 0.21	26.97 1.74 0.00
MARSH_HILL_WT_PWR 323713	26.48 0.90 0.00	24.59 0.90 0.00	23.36 0.72 0.00	22.22 0.71 0.00	22.63 0.91 0.00	24.52 1.06 0.00	26.91 1.38 0.00	27.25 0.87 0.00	28.01 0.68 0.00	28.91 0.65 0.00	29.21 0.85 0.00	30.00 0.87 0.00	32.64 0.64 -0.04	34.68 0.81 0.00	36.06 0.81 0.00	36.72 0.86 0.00	38.80 0.72 -0.21	40.21 1.25 -0.88	39.83 1.41 -0.31	38.99 0.83 -0.25	35.40 0.86 0.00	31.15 1.02 0.00	28.44 0.86 0.00	26.24 1.01 0.00
MCINTYRE_115KV_TB2 80467	25.35 -0.23 0.00	23.45 -0.24 0.00	22.54 -0.09 0.00	21.40 -0.11 0.00	21.58 -0.13 0.00	23.28 -0.19 0.00	25.18 -0.36 0.00	26.11 -0.26 0.00	27.00 -0.33 0.00	27.75 -0.51 0.00	27.82 -0.54 0.00	28.55 -0.58 0.00	31.29 -0.67 0.00	33.16 -0.71 0.00	34.51 -0.74 0.00	35.11 -0.75 0.00	37.15 -0.72 0.00	37.24 -0.84 0.00	37.27 -0.84 0.00	37.38 -0.53 0.00	34.19 -0.35 0.00	29.59 -0.54 0.00	27.11 -0.47 0.00	24.88 -0.35 0.00
MECO____69_KV_BK1 80468	27.86 2.28 0.00	25.63 1.94 0.00	24.40 1.77 0.00	23.14 1.63 0.00	23.43 1.72 0.00	25.37 1.90 0.00	27.83 2.30 0.00	29.15 2.77 0.00	30.33 3.01 0.00	31.22 2.97 0.00	31.28 2.92 0.00	32.00 2.94 0.07	35.24 3.32 0.05	37.23 3.42 0.06	38.31 3.52 0.47	39.68 3.91 0.09	44.30 4.05 -2.38	51.48 4.57 -8.84	46.32 4.69 -3.52	45.62 4.66 -3.05	39.00 4.46 0.00	33.65 3.52 0.00	30.46 3.09 0.21	27.78 2.55 0.00
MENANDS_115KV_TB5 355628	26.20 0.61 0.00	24.28 0.59 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.23 0.52 0.00	23.93 0.47 0.00	26.02 0.49 0.00	27.16 0.79 0.01	28.20 0.87 0.00	24.84 0.99 4.41	28.15 0.96 1.17	30.01 0.96 0.08	32.96 1.15 0.16	34.98 1.19 0.07	35.94 1.23 0.55	37.05 1.29 0.10	41.51 1.33 -2.31	47.87 1.41 -8.38	41.44 1.45 -1.88	42.25 1.36 -2.98	35.75 1.21 0.00	31.12 0.99 0.00	28.24 0.91 0.25	26.01 0.78 0.00
MG INDUSTRY___DRP 24185	26.33 0.74 0.00	24.40 0.71 0.00	23.27 0.63 0.00	22.09 0.58 0.00	22.34 0.63 0.00	24.08 0.61 0.00	26.15 0.61 0.00	27.30 0.92 0.01	28.34 1.01 0.00	26.89 1.10 2.47	28.78 1.08 0.65	30.16 1.08 0.05	33.31 1.28 -0.07	35.11 1.29 0.05	36.28 1.37 0.35	37.23 1.43 0.06	41.65 1.48 -2.30	48.40 1.56 -8.77	42.22 1.60 -2.51	42.36 1.52 -2.93	35.92 1.38 0.00	31.30 1.17 0.00	28.50 1.08 0.16	26.16 0.93 0.00
MID___OSWEGATCHIE_HYD 23849	25.28 -0.31 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.29 -0.22 0.00	21.45 -0.26 0.00	23.18 -0.28 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.77 -0.28	28.66 -0.79 -0.32	31.16 -0.96 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.44 -0.91 -0.48	37.75 -0.84 -0.51	37.78 -0.72 -0.39	37.29 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
MID___RAQUETTE_HYD 23851	25.18 -0.41 0.00	23.29 -0.40 0.00	22.39 -0.25 0.00	21.27 -0.24 0.00	21.41 -0.30 0.00	23.02 -0.45 0.00	24.80 -0.74 0.00	25.67 -0.71 0.00	26.64 -0.79 -0.11	27.38 -1.02 -0.14	27.42 -1.08 -0.14	28.13 -1.17 -0.17	30.76 -1.28 -0.08	32.52 -1.35 0.00	33.85 -1.48 -0.08	34.56 -1.51 -0.21	36.56 -1.55 -0.25	36.70 -1.64 -0.26	36.64 -1.68 -0.20	36.54 -1.40 -0.04	33.53 -1.14 -0.13	29.01 -1.11 0.00	26.73 -0.94 -0.09	24.55 -0.68 0.00
MILLIKEN___1 23584	26.20 0.61 0.00	24.23 0.54 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.23 0.52 0.00	24.12 0.66 0.00	26.35 0.82 0.00	26.96 0.58 0.00	28.24 0.52 -0.39	29.24 0.48 -0.50	29.42 0.54 -0.52	30.31 0.58 -0.60	32.84 0.54 -0.34	34.48 0.61 0.00	36.30 0.74 -0.31	37.37 0.75 -0.76	39.86 0.87 -1.12	41.11 1.18 -1.86	40.49 1.33 -1.05	39.33 1.02 -0.40	35.87 0.86 -0.47	30.85 0.72 0.00	28.49 0.58 -0.33	25.81 0.58 0.00
MILLIKEN___2 23585	26.20 0.61 0.00	24.23 0.54 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.23 0.52 0.00	24.12 0.66 0.00	26.35 0.82 0.00	26.96 0.58 0.00	28.24 0.52 -0.39	29.24 0.48 -0.50	29.42 0.54 -0.52	30.31 0.58 -0.60	32.84 0.54 -0.34	34.48 0.61 0.00	36.30 0.74 -0.31	37.37 0.75 -0.76	39.86 0.87 -1.12	41.11 1.18 -1.86	40.49 1.33 -1.05	39.33 1.02 -0.40	35.87 0.86 -0.47	30.85 0.72 0.00	28.49 0.58 -0.33	25.81 0.58 0.00
MILLIKEN___DIESEL 23629	26.20 0.61 0.00	24.23 0.54 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.23 0.52 0.00	24.12 0.66 0.00	26.35 0.82 0.00	26.96 0.58 0.00	28.24 0.52 -0.39	29.24 0.48 -0.50	29.42 0.54 -0.52	30.31 0.58 -0.60	32.84 0.54 -0.34	34.48 0.61 0.00	36.30 0.74 -0.31	37.37 0.75 -0.76	39.86 0.87 -1.12	41.11 1.18 -1.86	40.49 1.33 -1.05	39.33 1.02 -0.40	35.87 0.86 -0.47	30.85 0.72 0.00	28.49 0.58 -0.33	25.81 0.58 0.00



MILLSEAT___LFGE 323607	26.05 0.46 0.00	24.21 0.52 0.00	23.00 0.36 0.00	21.89 0.39 0.00	22.28 0.56 0.00	24.12 0.66 0.00	26.61 1.07 0.00	26.83 0.45 0.00	27.49 0.16 0.00	28.34 0.09 0.00	28.70 0.34 0.00	29.45 0.32 0.00	32.12 0.13 -0.03	34.14 0.27 0.00	35.36 0.11 0.00	36.01 0.14 0.00	37.87 -0.15 -0.15	39.25 0.53 -0.64	39.06 0.72 -0.22	38.24 0.15 -0.18	34.75 0.21 0.00	30.55 0.42 0.00	27.88 0.30 0.00	25.89 0.65 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	27.09 1.51 0.00	25.09 1.40 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.86 1.15 0.00	24.64 1.17 0.00	26.79 1.25 0.00	28.09 1.71 0.00	29.32 1.99 0.00	30.43 2.18 0.00	30.46 2.10 0.00	31.34 2.16 -0.06	35.31 2.49 -0.85	36.53 2.61 -0.05	38.40 2.75 -0.40	38.73 2.80 -0.07	42.76 2.99 -1.89	49.90 3.12 -8.71	43.85 3.09 -2.65	43.01 2.81 -2.30	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	27.00 1.77 0.00
MILLWOOD_13_KV_LOAD 356217	27.25 1.66 0.00	25.21 1.52 0.00	23.99 1.36 0.00	22.78 1.27 0.00	22.93 1.22 0.00	24.71 1.24 0.00	26.89 1.35 0.00	28.20 1.82 0.00	29.49 2.16 0.00	30.60 2.35 0.00	30.63 2.27 0.00	31.54 2.36 -0.06	35.50 2.68 -0.85	36.77 2.85 -0.05	38.68 3.03 -0.40	39.02 3.08 -0.07	43.06 3.29 -1.89	50.21 3.43 -8.71	44.16 3.39 -2.65	43.31 3.11 -2.30	37.16 2.63 0.00	32.45 2.32 0.00	29.97 2.21 -0.18	27.12 1.89 0.00
MODEL_CITY_ENERGY 24167	25.64 0.05 0.00	23.81 0.12 0.00	22.57 -0.07 0.00	21.49 -0.02 0.00	21.91 0.19 0.00	23.70 0.23 0.00	26.00 0.46 0.00	26.01 -0.37 0.00	26.67 -0.66 0.00	27.52 -0.73 0.00	27.88 -0.48 0.00	28.63 -0.50 0.00	31.23 -0.77 -0.03	33.19 -0.68 0.00	34.44 -0.81 0.00	35.07 -0.79 0.00	36.90 -1.14 -0.16	38.24 -0.50 -0.66	38.00 -0.34 -0.23	37.11 -0.99 -0.19	33.61 -0.93 0.00	29.64 -0.48 0.00	27.17 -0.41 0.00	25.36 0.13 0.00
MODERN_LFGE___ 323580	25.64 0.05 0.00	23.81 0.12 0.00	22.57 -0.07 0.00	21.49 -0.02 0.00	21.91 0.19 0.00	23.70 0.23 0.00	26.00 0.46 0.00	26.01 -0.37 0.00	26.67 -0.66 0.00	27.52 -0.73 0.00	27.88 -0.48 0.00	28.63 -0.50 0.00	31.23 -0.77 -0.03	33.19 -0.68 0.00	34.44 -0.81 0.00	35.07 -0.79 0.00	36.90 -1.14 -0.16	38.24 -0.50 -0.66	38.00 -0.34 -0.23	37.11 -0.99 -0.19	33.61 -0.93 0.00	29.64 -0.48 0.00	27.17 -0.41 0.00	25.36 0.13 0.00
MOHAWK_PAPER___DRP 24187	26.33 0.74 0.00	24.40 0.71 0.00	23.25 0.61 0.00	22.07 0.56 0.00	22.34 0.63 0.00	24.08 0.61 0.00	26.17 0.64 0.00	27.32 0.95 0.01	28.39 1.07 0.00	25.14 1.16 4.27	28.39 1.16 1.13	30.22 1.17 0.08	33.15 1.34 0.16	35.19 1.39 0.07	36.15 1.45 0.55	37.27 1.51 0.10	41.78 1.59 -2.32	48.14 1.68 -8.39	41.76 1.72 -1.93	42.52 1.63 -2.99	35.99 1.45 0.00	31.33 1.21 0.00	28.44 1.10 0.25	26.16 0.93 0.00
MOHICAN__35_KV_115KV_LD 80490	26.84 1.25 0.00	24.76 1.07 0.00	23.56 0.93 0.00	22.35 0.84 0.00	22.63 0.91 0.00	24.45 0.99 0.00	26.74 1.20 0.00	28.10 1.71 -0.01	29.27 1.94 0.00	33.34 1.95 -3.14	31.17 1.99 -0.83	31.06 2.01 0.08	33.72 1.95 0.19	35.79 2.00 0.08	36.61 1.94 0.58	37.80 2.04 0.11	42.27 2.04 -2.35	48.90 2.36 -8.46	45.20 2.48 -4.61	43.37 2.43 -3.04	36.85 2.31 0.00	32.12 1.99 0.00	29.03 1.71 0.26	26.85 1.61 0.00
MONGAUP___HYD 23641	26.81 1.23 0.00	24.80 1.11 0.00	23.65 1.02 0.00	22.45 0.95 0.00	22.65 0.93 0.00	24.43 0.96 0.00	26.61 1.07 0.00	27.64 1.27 0.00	28.64 1.31 0.00	29.64 1.38 0.00	29.69 1.33 0.00	30.51 1.34 -0.05	34.24 1.57 -0.71	35.51 1.59 -0.04	37.33 1.76 -0.32	37.71 1.79 -0.06	41.47 1.97 -1.63	47.65 2.13 -7.44	42.61 2.21 -2.29	41.91 2.01 -1.99	36.30 1.76 0.00	31.66 1.54 0.00	29.19 1.46 -0.15	26.54 1.31 0.00
MONTAUK___DIESEL 23721	34.71 4.48 -4.64	30.60 4.10 -2.82	26.21 3.58 0.00	24.78 3.27 0.00	25.10 3.39 0.00	27.22 3.75 0.00	31.68 4.19 -1.95	35.01 4.83 -3.80	35.60 5.22 -3.05	36.52 5.54 -2.72	41.91 5.36 -8.19	43.30 5.56 -8.61	46.00 6.30 -7.74	45.32 6.81 -4.64	55.05 7.05 -12.75	80.46 7.28 -37.32	135.71 7.65 -90.19	135.69 7.88 -89.74	113.06 7.81 -67.14	71.85 7.39 -26.55	52.09 6.60 -10.95	46.41 5.78 -10.50	33.53 5.16 -0.79	36.30 4.59 -6.48
MOONROAD_115KV_HARTFLD_TB1-2 355988	26.58 1.00 0.00	24.64 0.95 0.00	23.38 0.75 0.00	22.28 0.77 0.00	22.47 0.76 0.00	24.57 1.10 0.00	27.04 1.51 0.00	27.27 0.90 0.00	27.85 0.52 0.00	28.79 0.54 0.00	29.18 0.82 0.00	29.97 0.84 0.00	32.67 0.67 -0.04	34.85 0.98 0.00	36.10 0.85 0.00	36.72 0.86 0.00	38.62 0.57 -0.18	40.05 1.22 -0.75	39.82 1.45 -0.26	38.74 0.61 -0.23	35.16 0.62 0.00	30.91 0.78 0.00	28.27 0.69 0.00	26.16 0.93 0.00
MORTIMER_115KV_TB3 55949	26.05 0.46 0.00	24.12 0.43 0.00	23.02 0.38 0.00	21.92 0.41 0.00	22.04 0.33 0.00	24.01 0.54 0.00	26.46 0.92 0.00	26.88 0.50 0.00	27.49 0.27 0.12	28.33 0.23 0.15	28.63 0.43 0.16	29.38 0.44 0.18	32.22 0.32 0.06	34.31 0.44 0.00	35.44 0.28 0.09	35.92 0.29 0.23	38.00 0.27 0.13	39.07 0.72 -0.28	39.04 0.95 0.02	38.53 0.49 -0.13	34.78 0.38 0.14	30.61 0.48 0.00	27.79 0.30 0.10	25.74 0.50 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.57 2.24 0.00	30.71 2.46 0.00	30.71 2.35 0.00	31.60 2.42 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.26 3.03 -2.32	37.16 2.63 0.00	32.54 2.41 0.00	30.11 2.34 -0.18	27.22 1.99 0.00
MUNSVILLE_WIND_PWR 323609	27.30 1.71 0.00	25.23 1.54 0.00	24.08 1.45 0.00	22.90 1.40 0.00	23.21 1.50 0.00	25.27 1.81 0.00	27.58 2.04 0.00	28.33 1.95 0.00	29.44 1.88 -0.23	30.24 1.70 -0.29	30.42 1.76 -0.30	31.49 2.01 -0.35	34.13 1.92 -0.25	35.94 2.07 0.00	37.97 2.54 -0.18	39.03 2.72 -0.44	41.75 2.96 -0.92	43.72 3.43 -2.22	42.97 3.85 -1.01	41.93 3.56 -0.46	37.85 3.04 -0.27	32.48 2.35 0.00	29.76 1.99 -0.19	27.02 1.79 0.00
N SALMON___HYD 24042	25.97 0.38 0.00	24.02 0.33 0.00	23.18 0.54 0.00	21.98 0.47 0.00	22.21 0.50 0.00	23.98 0.52 0.00	26.05 0.51 0.00	27.01 0.63 0.00	27.87 0.55 0.00	28.71 0.45 0.00	28.78 0.43 0.00	29.48 0.35 0.00	32.35 0.38 0.00	34.38 0.51 0.00	35.53 0.28 0.00	36.08 0.22 0.00	38.21 0.34 0.00	38.42 0.34 0.00	38.45 0.34 0.00	38.40 0.49 0.00	35.16 0.62 0.00	30.49 0.36 0.00	27.94 0.36 0.00	25.53 0.30 0.00
N.AKRON__115KV_KNAPP 355671	26.10 0.51 0.00	24.16 0.47 0.00	23.02 0.38 0.00	21.94 0.43 0.00	22.02 0.30 0.00	24.10 0.63 0.00	26.61 1.07 0.00	26.83 0.45 0.00	27.47 0.14 0.00	28.31 0.06 0.00	28.70 0.34 0.00	29.45 0.32 0.00	32.12 0.13 -0.03	34.21 0.34 0.00	35.39 0.14 0.00	36.00 0.14 0.00	37.99 -0.04 -0.16	39.33 0.61 -0.64	39.25 0.91 -0.22	38.29 0.19 -0.19	34.71 0.17 0.00	30.55 0.42 0.00	27.88 0.30 0.00	25.89 0.66 0.00



N.BELMOR_69_KV_BK1 55787	32.48 2.25 -4.64	28.57 2.06 -2.82	24.40 1.77 0.00	23.10 1.59 0.00	23.39 1.67 0.00	25.30 1.83 0.00	29.51 2.02 -1.95	32.65 2.48 -3.79	33.13 2.76 -3.04	33.86 2.97 -2.64	35.42 2.84 -4.22	35.38 2.91 -3.34	36.85 3.36 -1.53	39.48 3.52 -2.09	41.89 3.70 -2.94	42.42 3.77 -2.79	45.92 4.01 -4.03	51.06 4.19 -8.80	44.91 4.12 -2.68	44.06 3.83 -2.32	39.38 3.35 -1.49	35.73 3.01 -2.59	31.18 2.90 -0.71	30.67 2.52 -2.91
N.E_GEN_SANDY PD 24062	26.66 1.07 0.00	24.71 1.02 0.00	23.52 0.88 0.00	22.37 0.86 0.00	22.52 0.80 0.00	24.33 0.87 0.00	26.41 0.87 0.00	27.54 1.16 0.00	28.61 1.28 0.00	31.00 1.41 -1.33	30.10 1.39 -0.35	30.00 1.37 0.50	29.80 1.60 3.76	35.08 1.69 0.48	33.50 1.80 3.55	37.00 1.79 0.65	41.50 1.93 -1.70	39.38 2.02 0.71	43.74 2.02 -3.60	42.49 1.86 -2.72	36.16 1.62 0.00	31.51 1.39 0.00	27.30 1.32 1.60	26.42 1.19 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	26.99 1.41 0.00	24.99 1.30 0.00	23.79 1.15 0.00	22.58 1.08 0.00	22.82 1.11 0.00	24.57 1.10 0.00	26.71 1.17 0.00	27.96 1.58 0.00	29.19 1.86 0.00	30.29 2.03 0.00	30.31 1.96 0.00	31.19 2.01 -0.05	35.09 2.33 -0.80	36.36 2.44 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.47 2.80 -1.80	49.24 2.93 -8.24	43.53 2.90 -2.52	42.71 2.62 -2.18	36.78 2.25 0.00	32.15 2.02 0.00	29.68 1.93 -0.17	26.90 1.67 0.00
N.QUEENS_27_KV_LOAD 356247	27.32 1.74 0.00	25.13 1.45 0.00	23.88 1.24 0.00	22.67 1.16 0.00	22.89 1.17 0.00	24.59 1.13 0.00	26.71 1.17 0.00	28.12 1.74 0.00	29.43 2.10 0.00	30.63 2.37 0.00	30.57 2.21 0.00	31.49 2.30 -0.06	35.51 2.68 -0.86	36.74 2.81 -0.06	38.54 2.89 -0.40	38.84 2.90 -0.07	42.81 3.03 -1.91	50.22 3.35 -8.79	43.83 3.05 -2.67	42.95 2.73 -2.32	36.89 2.35 0.00	32.36 2.23 0.00	30.03 2.26 -0.18	27.17 1.94 0.00
N.TROY___115KV_TB1 355778	26.51 0.92 0.00	24.57 0.88 0.00	23.38 0.75 0.00	22.20 0.69 0.00	22.45 0.74 0.00	24.24 0.77 0.00	26.33 0.79 0.00	27.64 1.24 -0.02	28.70 1.37 0.00	37.60 1.47 -7.87	31.92 1.47 -2.09	30.48 1.46 0.10	33.22 1.63 0.38	35.46 1.69 0.10	36.28 1.76 0.73	37.55 1.83 0.14	42.07 1.89 -2.31	48.08 2.06 -7.95	46.47 2.10 -6.26	42.92 2.01 -3.01	36.34 1.80 0.00	31.63 1.51 0.00	28.63 1.38 0.33	26.44 1.21 0.00
NARROWS_GT1_1 24228	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_2 24229	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_3 24230	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_4 24231	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_5 24232	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_6 24233	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_7 24234	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT1_8 24235	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_1 24236	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_2 24237	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00



NARROWS_GT2_3 24238	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_4 24239	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_5 24240	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_6 24241	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_7 24242	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NARROWS_GT2_8 24243	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.30 3.07 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	26.43 0.84 0.00	24.42 0.73 0.00	23.29 0.66 0.00	22.11 0.60 0.00	22.41 0.69 0.00	24.10 0.63 0.00	26.28 0.74 0.00	27.40 1.03 0.01	28.31 0.98 0.00	27.04 1.19 2.40	28.91 1.19 0.64	30.26 1.17 0.04	33.52 1.41 -0.16	35.02 1.19 0.04	36.44 1.45 0.26	37.39 1.58 0.05	41.74 1.67 -2.20	48.48 1.87 -8.54	42.50 2.02 -2.37	42.25 1.55 -2.79	36.20 1.66 0.00	31.39 1.27 0.00	28.73 1.27 0.12	26.21 0.98 0.00
NCHELSEA_115KV_TR2 355582	27.07 1.48 0.00	25.04 1.35 0.00	23.83 1.20 0.00	22.65 1.14 0.00	22.84 1.13 0.00	24.59 1.13 0.00	26.76 1.23 0.00	27.99 1.61 0.00	29.13 1.80 0.00	30.21 1.95 0.00	30.26 1.90 0.00	31.09 1.92 -0.04	34.97 2.27 -0.73	36.25 2.34 -0.04	38.08 2.54 -0.30	38.50 2.58 -0.05	42.54 2.76 -1.90	49.52 2.93 -8.52	43.77 2.97 -2.69	42.93 2.69 -2.33	36.89 2.35 0.00	32.15 2.02 0.00	29.65 1.93 -0.13	26.92 1.69 0.00
NEG CAPITAL___MECHNVIL 23645	26.91 1.33 0.00	24.85 1.16 0.00	23.68 1.04 0.00	22.50 0.99 0.00	22.69 0.98 0.00	24.55 1.08 0.00	26.76 1.23 0.00	28.00 1.61 -0.01	29.08 1.75 0.00	34.75 1.84 -4.66	31.44 1.84 -1.24	30.90 1.87 0.09	33.72 2.01 0.26	35.95 2.17 0.09	36.76 2.15 0.64	37.97 2.22 0.12	42.52 2.31 -2.34	48.85 2.51 -8.27	45.85 2.59 -5.14	43.44 2.50 -3.03	36.85 2.31 0.00	32.06 1.93 0.00	29.00 1.71 0.29	26.77 1.54 0.00
NEG CENTRAL_HIGH_ACRES 23767	26.05 0.46 0.00	24.16 0.47 0.00	23.04 0.41 0.00	21.91 0.41 0.00	22.23 0.52 0.00	24.05 0.59 0.00	26.48 0.95 0.00	26.96 0.58 0.00	27.76 0.44 0.00	28.65 0.40 0.00	28.92 0.57 0.00	29.74 0.61 0.00	32.47 0.48 -0.03	34.45 0.58 0.00	35.71 0.46 0.00	36.36 0.50 0.00	38.46 0.46 -0.13	39.50 0.88 -0.55	39.33 1.03 -0.19	38.75 0.68 -0.16	35.13 0.59 0.00	30.76 0.63 0.00	27.99 0.41 0.00	25.79 0.55 0.00
NEG CENTRAL___DRP 24199	25.97 0.38 0.00	24.02 0.33 0.00	22.95 0.32 0.00	21.83 0.32 0.00	22.04 0.33 0.00	23.96 0.49 0.00	26.25 0.72 0.00	26.80 0.42 0.00	27.99 0.30 -0.36	29.00 0.28 -0.47	29.21 0.37 -0.48	30.10 0.41 -0.56	32.55 0.29 -0.30	34.28 0.41 0.00	35.89 0.35 -0.28	36.89 0.32 -0.70	39.26 0.42 -0.98	40.28 0.72 -1.48	39.88 0.88 -0.89	38.70 0.49 -0.30	35.45 0.48 -0.43	30.61 0.48 0.00	28.19 0.30 -0.31	25.61 0.38 0.00
NEG CENTRAL___INDECK 23768	26.71 1.12 0.00	24.78 1.09 0.00	23.63 0.99 0.00	22.48 0.97 0.00	22.82 1.11 0.00	24.71 1.24 0.00	27.38 1.84 0.00	27.91 1.53 0.00	28.61 1.28 0.00	29.39 1.13 0.00	29.66 1.31 0.00	30.41 1.28 0.00	31.84 -0.16 -0.04	34.01 0.14 0.00	35.32 0.07 0.00	36.04 0.18 0.00	38.17 0.11 -0.18	39.63 0.80 -0.75	39.44 1.07 -0.26	38.81 0.68 -0.21	35.27 0.73 0.00	31.84 1.72 0.00	28.90 1.32 0.00	26.57 1.34 0.00
NEG CENTRAL___SENECA 23627	26.22 0.64 0.00	24.26 0.57 0.00	23.15 0.52 0.00	22.02 0.52 0.00	22.26 0.54 0.00	24.19 0.73 0.00	26.58 1.05 0.00	27.12 0.74 0.00	28.08 0.60 -0.15	29.01 0.57 -0.19	29.24 0.68 -0.20	30.09 0.73 -0.23	32.74 0.64 -0.14	34.65 0.78 0.00	36.07 0.70 -0.12	36.76 0.61 -0.29	39.09 0.72 -0.50	40.19 1.10 -1.02	39.95 1.33 -0.51	38.99 0.83 -0.25	35.61 0.90 -0.18	30.94 0.81 0.00	28.31 0.61 -0.13	25.91 0.68 0.00
NEG CENTRAL___STATE_STREET 24147	25.94 0.36 0.00	24.00 0.31 0.00	22.93 0.29 0.00	21.79 0.28 0.00	22.02 0.30 0.00	23.89 0.42 0.00	26.17 0.64 0.00	26.69 0.32 0.00	28.13 0.25 -0.55	29.19 0.23 -0.71	29.40 0.31 -0.73	30.33 0.35 -0.85	32.69 0.29 -0.44	34.24 0.37 0.00	36.10 0.42 -0.43	37.33 0.39 -1.07	39.77 0.49 -1.41	40.77 0.76 -1.94	40.23 0.88 -1.24	38.80 0.53 -0.36	35.64 0.45 -0.66	30.55 0.42 0.00	28.29 0.25 -0.46	25.51 0.28 0.00
NEG MILLWOOD___DRP 24198	27.55 1.97 0.00	25.47 1.78 0.00	24.20 1.56 0.00	22.99 1.48 0.00	23.04 1.32 0.00	24.85 1.38 0.00	27.07 1.53 0.00	28.41 2.03 0.00	29.79 2.46 0.00	30.88 2.63 0.00	30.97 2.61 0.00	31.83 2.65 -0.05	35.79 3.04 -0.80	37.10 3.18 -0.05	39.05 3.45 -0.34	39.47 3.55 -0.06	43.56 3.75 -1.94	50.81 3.96 -8.77	44.77 3.93 -2.73	44.03 3.75 -2.37	37.72 3.18 0.00	32.78 2.65 0.00	30.19 2.45 -0.16	27.32 2.09 0.00



NEG NORTH_FLCN_SEA 23793	26.30 0.72 0.00	24.33 0.64 0.00	23.45 0.81 0.00	22.26 0.75 0.00	22.49 0.78 0.00	24.31 0.84 0.00	26.46 0.92 0.00	27.43 1.06 0.00	28.29 0.96 0.00	29.16 0.90 0.00	29.27 0.91 0.00	29.97 0.84 0.00	32.92 0.96 0.00	34.96 1.08 0.00	36.17 0.92 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.06 0.99 0.00	39.06 0.95 0.00	39.01 1.10 0.00	35.75 1.21 0.00	31.03 0.90 0.00	28.41 0.83 0.00	25.91 0.68 0.00
NEG NORTH_KES_CHATEGAY 23792	25.97 0.38 0.00	24.02 0.33 0.00	23.13 0.50 0.00	21.96 0.45 0.00	22.19 0.48 0.00	23.98 0.52 0.00	26.07 0.54 0.00	27.04 0.66 0.00	27.90 0.57 0.00	28.77 0.51 0.00	28.87 0.51 0.00	29.59 0.47 0.00	32.47 0.51 0.00	34.48 0.61 0.00	35.71 0.46 0.00	36.26 0.39 0.00	38.32 0.45 0.00	38.53 0.46 0.00	38.49 0.38 0.00	38.48 0.57 0.00	35.26 0.73 0.00	30.61 0.48 0.00	28.02 0.44 0.00	25.58 0.35 0.00
NEG NORTH___ALICE_FALLS 23915	26.30 0.72 0.00	24.33 0.64 0.00	23.47 0.84 0.00	22.28 0.77 0.00	22.52 0.80 0.00	24.36 0.89 0.00	26.51 0.97 0.00	27.49 1.11 0.00	28.31 0.98 0.00	29.19 0.93 0.00	29.27 0.91 0.00	30.00 0.87 0.00	32.92 0.96 0.00	34.96 1.08 0.00	36.17 0.92 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.14 1.07 0.00	39.14 1.03 0.00	39.08 1.18 0.00	35.82 1.28 0.00	31.06 0.93 0.00	28.44 0.85 0.00	25.94 0.71 0.00
NEG NORTH___LWR_SARANAC 23913	26.30 0.72 0.00	24.33 0.64 0.00	23.47 0.84 0.00	22.28 0.77 0.00	22.52 0.80 0.00	24.36 0.89 0.00	26.51 0.97 0.00	27.49 1.11 0.00	28.31 0.98 0.00	29.19 0.93 0.00	29.27 0.91 0.00	30.00 0.87 0.00	32.92 0.96 0.00	34.96 1.08 0.00	36.17 0.92 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.14 1.07 0.00	39.14 1.03 0.00	39.08 1.18 0.00	35.82 1.28 0.00	31.06 0.93 0.00	28.44 0.85 0.00	25.94 0.71 0.00
NEG NORTH___PLATTSBURG 23628	26.33 0.74 0.00	24.33 0.64 0.00	23.47 0.84 0.00	22.26 0.75 0.00	22.52 0.80 0.00	24.36 0.89 0.00	26.53 0.99 0.00	27.49 1.11 0.00	28.31 0.98 0.00	29.19 0.93 0.00	29.26 0.91 0.00	30.00 0.87 0.00	32.89 0.93 0.00	34.96 1.08 0.00	36.16 0.91 0.00	36.72 0.86 0.00	38.89 1.02 0.00	39.18 1.10 0.00	39.18 1.07 0.00	39.08 1.18 0.00	35.82 1.28 0.00	31.06 0.93 0.00	28.44 0.86 0.00	25.94 0.71 0.00
NEG WEST_LEA_LOCKPORT 23791	25.87 0.28 0.00	23.95 0.26 0.00	22.75 0.11 0.00	21.70 0.19 0.00	21.78 0.07 0.00	23.84 0.38 0.00	26.20 0.66 0.00	26.27 -0.11 0.00	26.92 -0.41 0.00	27.78 -0.48 0.00	28.13 -0.23 0.00	28.89 -0.23 0.00	31.52 -0.48 -0.03	33.60 -0.27 0.00	34.79 -0.46 0.00	35.39 -0.47 0.00	37.35 -0.68 -0.16	38.70 -0.04 -0.66	38.53 0.19 -0.23	37.54 -0.57 -0.20	33.95 -0.59 0.00	29.92 -0.21 0.00	27.41 -0.17 0.00	25.58 0.35 0.00
NEG WEST___LANCASTR 23811	25.56 -0.03 0.00	23.71 0.02 0.00	22.52 -0.11 0.00	21.46 -0.04 0.00	21.63 -0.09 0.00	23.61 0.14 0.00	25.92 0.38 0.00	26.06 -0.32 0.00	26.73 -0.60 0.00	27.63 -0.62 0.00	27.96 -0.40 0.00	28.72 -0.41 0.00	31.17 -0.83 -0.04	33.46 -0.41 0.00	34.69 -0.56 0.00	35.29 -0.57 0.00	36.69 -1.36 -0.18	38.06 -0.76 -0.74	37.80 -0.57 -0.26	36.73 -1.40 -0.23	33.78 -0.76 0.00	29.74 -0.39 0.00	27.22 -0.36 0.00	25.33 0.10 0.00
NEG_PENN_ALLEGHNY 23528	26.05 0.46 0.00	24.14 0.45 0.00	23.02 0.38 0.00	21.87 0.37 0.00	22.15 0.43 0.00	23.96 0.49 0.00	26.12 0.59 0.00	26.72 0.34 0.00	27.85 0.30 -0.22	28.83 0.28 -0.29	29.00 0.34 -0.30	29.85 0.38 -0.35	32.55 0.35 -0.23	34.28 0.41 0.00	35.88 0.46 -0.18	36.80 0.50 -0.43	39.17 0.46 -0.84	40.70 0.72 -1.90	39.80 0.80 -0.89	38.85 0.49 -0.45	35.25 0.45 -0.27	30.58 0.45 0.00	28.15 0.39 -0.19	25.66 0.43 0.00
NEG___GEN_MONROE 24207	26.05 0.46 0.00	24.09 0.40 0.00	23.00 0.36 0.00	21.89 0.39 0.00	22.04 0.33 0.00	24.03 0.56 0.00	26.43 0.89 0.00	26.85 0.47 0.00	27.46 0.25 0.12	28.28 0.17 0.15	28.60 0.40 0.15	29.30 0.35 0.18	32.10 0.19 0.06	34.18 0.30 0.00	35.30 0.14 0.09	35.74 0.11 0.22	37.78 0.04 0.13	38.89 0.53 -0.28	38.86 0.76 0.02	38.46 0.42 -0.13	34.71 0.31 0.14	30.55 0.42 0.00	27.68 0.19 0.10	25.66 0.43 0.00
NEPA___ENERGY 23901	26.07 0.49 0.00	24.16 0.47 0.00	22.97 0.34 0.00	21.87 0.37 0.00	22.06 0.35 0.00	24.05 0.59 0.00	26.38 0.84 0.00	26.64 0.26 0.00	27.33 0.00 0.00	28.26 0.00 0.00	28.56 0.20 0.00	29.36 0.23 0.00	32.00 0.00 -0.04	34.18 0.30 0.00	35.43 0.18 0.00	36.08 0.22 0.00	37.94 -0.11 -0.18	39.33 0.49 -0.76	39.06 0.69 -0.26	37.99 -0.15 -0.23	34.47 -0.07 0.00	30.37 0.24 0.00	27.80 0.22 0.00	25.81 0.58 0.00
NEVERSINK___HYD 23608	26.71 1.12 0.00	24.68 0.99 0.00	23.54 0.91 0.00	22.37 0.86 0.00	22.52 0.80 0.00	24.31 0.84 0.00	26.45 0.92 0.00	27.57 1.19 0.00	28.59 1.26 0.00	29.61 1.36 0.00	29.66 1.31 0.00	30.47 1.31 -0.03	34.11 1.63 -0.52	35.52 1.63 -0.03	37.27 1.83 -0.18	37.76 1.86 -0.03	41.41 2.04 -1.50	46.88 2.21 -6.60	42.52 2.29 -2.12	41.78 1.97 -1.91	36.27 1.73 0.00	31.54 1.42 0.00	29.05 1.38 -0.09	26.42 1.19 0.00
NEWKRMKL_115KV_TB1 55635	26.07 0.49 0.00	24.16 0.47 0.00	23.02 0.38 0.00	21.85 0.34 0.00	22.13 0.41 0.00	23.82 0.35 0.00	25.89 0.36 0.00	27.06 0.69 0.01	28.09 0.77 0.00	25.50 0.88 3.63	28.25 0.85 0.96	29.93 0.87 0.07	32.88 1.02 0.10	34.85 1.05 0.07	35.84 1.09 0.50	36.92 1.15 0.09	41.41 1.21 -2.32	47.89 1.29 -8.52	41.57 1.30 -2.16	42.11 1.21 -2.99	35.61 1.07 0.00	31.00 0.87 0.00	28.15 0.80 0.23	25.89 0.66 0.00
NEWTON___FALLS_HYD 23847	25.28 -0.31 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.29 -0.22 0.00	21.45 -0.26 0.00	23.18 -0.28 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.77 -0.28	28.66 -0.79 -0.32	31.16 -0.96 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.44 -0.91 -0.48	37.75 -0.84 -0.51	37.78 -0.72 -0.39	37.29 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
NGRID_A1_DSASP 323792	25.38 -0.21 0.00	23.57 -0.12 0.00	22.34 -0.29 0.00	21.27 -0.24 0.00	21.69 -0.02 0.00	23.47 0.00 0.00	25.69 0.15 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.75 -1.12 0.00	33.98 -1.27 0.00	34.60 -1.26 0.00	36.44 -1.59 -0.16	37.79 -0.95 -0.67	37.51 -0.84 -0.23	36.62 -1.48 -0.19	33.09 -1.45 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
NGRID_A2_DSASP 323793	25.38 -0.21 0.00	23.57 -0.12 0.00	22.34 -0.29 0.00	21.27 -0.24 0.00	21.69 -0.02 0.00	23.47 0.00 0.00	25.69 0.15 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.75 -1.12 0.00	33.98 -1.27 0.00	34.60 -1.26 0.00	36.44 -1.59 -0.16	37.79 -0.95 -0.67	37.51 -0.84 -0.23	36.62 -1.48 -0.19	33.09 -1.45 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00



NGRID_A4_DSASP 323807	25.41 -0.18 0.00	23.52 -0.17 0.00	22.36 -0.27 0.00	21.31 -0.19 0.00	21.39 -0.33 0.00	23.42 -0.05 0.00	25.66 0.13 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.82 -1.05 0.00	34.02 -1.23 0.00	34.57 -1.29 0.00	36.52 -1.51 -0.16	37.87 -0.88 -0.67	37.70 -0.65 -0.23	36.71 -1.40 -0.20	33.12 -1.42 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
NIAGARA_115E_LBMP 323715	25.53 -0.05 0.00	23.71 0.02 0.00	22.48 -0.16 0.00	21.40 -0.11 0.00	21.82 0.11 0.00	23.61 0.14 0.00	25.87 0.33 0.00	25.88 -0.50 0.00	26.54 -0.79 0.00	27.35 -0.91 0.00	27.71 -0.65 0.00	28.46 -0.67 0.00	31.07 -0.93 -0.03	33.03 -0.85 0.00	34.23 -1.02 0.00	34.89 -0.97 0.00	36.71 -1.33 -0.16	38.06 -0.68 -0.67	37.77 -0.57 -0.23	36.88 -1.21 -0.19	33.40 -1.14 0.00	29.49 -0.63 0.00	27.03 -0.55 0.00	25.26 0.03 0.00
NIAGARA_115W_LBMP 323714	25.30 -0.28 0.00	23.50 -0.19 0.00	22.27 -0.36 0.00	21.23 -0.28 0.00	21.63 -0.09 0.00	23.40 -0.07 0.00	25.61 0.08 0.00	25.59 -0.79 0.00	26.23 -1.09 0.00	27.07 -1.19 0.00	27.42 -0.94 0.00	28.17 -0.96 0.00	30.72 -1.28 -0.03	32.65 -1.22 0.00	33.87 -1.38 0.00	34.50 -1.36 0.00	36.33 -1.70 -0.16	37.68 -1.07 -0.67	37.39 -0.95 -0.23	36.51 -1.59 -0.19	33.02 -1.52 0.00	29.16 -0.97 0.00	26.75 -0.83 0.00	25.00 -0.23 0.00
NIAGARA_230_LBMP 323716	25.64 0.05 0.00	23.83 0.14 0.00	22.59 -0.05 0.00	21.51 0.00 0.00	21.91 0.19 0.00	23.70 0.23 0.00	25.97 0.43 0.00	25.95 -0.42 0.00	26.62 -0.71 0.00	27.47 -0.79 0.00	27.82 -0.54 0.00	28.57 -0.55 0.00	31.16 -0.83 -0.03	33.13 -0.75 0.00	34.37 -0.88 0.00	35.00 -0.86 0.00	36.82 -1.21 -0.16	38.16 -0.57 -0.66	37.89 -0.46 -0.23	37.00 -1.10 -0.19	33.47 -1.07 0.00	29.55 -0.57 0.00	27.11 -0.47 0.00	25.33 0.10 0.00
NIAGARA__115KV_198_GIBSON 55903	25.33 -0.26 0.00	23.48 -0.21 0.00	22.29 -0.34 0.00	21.27 -0.24 0.00	21.34 -0.37 0.00	23.35 -0.12 0.00	25.61 0.08 0.00	25.61 -0.76 0.00	26.24 -1.09 0.00	27.07 -1.19 0.00	27.42 -0.94 0.00	28.17 -0.96 0.00	30.72 -1.28 -0.03	32.72 -1.15 0.00	33.91 -1.34 0.00	34.50 -1.36 0.00	36.44 -1.59 -0.16	37.75 -0.99 -0.67	37.58 -0.76 -0.23	36.59 -1.52 -0.20	33.02 -1.52 0.00	29.16 -0.96 0.00	26.75 -0.83 0.00	25.00 -0.23 0.00
NIAGARA____ 23760	25.64 0.05 0.00	23.83 0.14 0.00	22.59 -0.05 0.00	21.51 0.00 0.00	21.91 0.19 0.00	23.70 0.23 0.00	25.97 0.43 0.00	25.95 -0.42 0.00	26.62 -0.71 0.00	27.47 -0.79 0.00	27.82 -0.54 0.00	28.57 -0.55 0.00	31.16 -0.83 -0.03	33.13 -0.75 0.00	34.37 -0.88 0.00	35.00 -0.86 0.00	36.82 -1.21 -0.16	38.17 -0.57 -0.66	37.89 -0.46 -0.23	37.00 -1.10 -0.19	33.47 -1.07 0.00	29.55 -0.57 0.00	27.11 -0.47 0.00	25.33 0.10 0.00
NINE_MILE_1 23575	25.02 -0.56 0.00	23.17 -0.52 0.00	22.11 -0.52 0.00	21.03 -0.47 0.00	21.26 -0.46 0.00	22.97 -0.49 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.62 -0.82 3.89	22.40 -0.88 4.98	22.32 -0.85 5.18	22.28 -0.85 6.00	28.09 -0.99 2.88	32.82 -1.05 0.00	31.12 -1.09 3.04	27.20 -1.11 7.55	27.86 -1.17 8.83	27.86 -1.03 9.19	29.95 -0.99 7.17	35.61 -1.10 1.20	28.88 -1.04 4.62	29.25 -0.87 0.00	23.48 -0.83 3.28	24.52 -0.71 0.00
NINE_MILE_2 23744	25.02 -0.56 0.00	23.17 -0.52 0.00	22.11 -0.52 0.00	21.03 -0.47 0.00	21.26 -0.46 0.00	22.97 -0.49 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.56 -0.82 3.95	22.32 -0.88 5.06	22.25 -0.85 5.26	22.19 -0.85 6.09	28.05 -0.99 2.93	32.82 -1.05 0.00	31.07 -1.09 3.09	27.09 -1.11 7.66	27.73 -1.17 8.97	27.72 -1.03 9.33	29.84 -0.99 7.28	35.59 -1.10 1.21	28.81 -1.04 4.69	29.25 -0.87 0.00	23.43 -0.83 3.32	24.52 -0.71 0.00
NM_CAPITAL____DRP 24208	26.12 0.54 0.00	24.23 0.54 0.00	23.09 0.45 0.00	21.92 0.41 0.00	22.17 0.46 0.00	23.89 0.42 0.00	25.97 0.43 0.00	27.08 0.71 0.01	28.15 0.82 0.00	24.62 0.90 4.54	28.06 0.91 1.20	29.95 0.90 0.08	32.90 1.09 0.15	34.88 1.08 0.07	35.87 1.16 0.54	36.98 1.22 0.10	41.43 1.25 -2.31	47.79 1.33 -8.38	41.31 1.37 -1.83	42.18 1.29 -2.98	35.64 1.11 0.00	31.06 0.93 0.00	28.19 0.85 0.24	25.94 0.71 0.00
NM_CENTRAL____DRP 24181	25.56 -0.03 0.00	23.64 -0.05 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.47 0.00 0.00	25.64 0.10 0.00	26.17 -0.21 0.00	27.33 -0.30 -0.30	28.27 -0.37 -0.38	28.39 -0.37 -0.40	29.24 -0.35 -0.46	31.76 -0.45 -0.24	33.43 -0.44 0.00	35.06 -0.42 -0.23	36.01 -0.43 -0.58	38.24 -0.42 -0.79	39.00 -0.23 -1.16	38.67 -0.15 -0.71	37.76 -0.38 -0.23	34.48 -0.41 -0.35	29.80 -0.33 0.00	27.50 -0.33 -0.25	25.03 -0.20 0.00
NM_FRONTIER____DRP 24179	25.33 -0.26 0.00	23.48 -0.21 0.00	22.29 -0.34 0.00	21.27 -0.24 0.00	21.34 -0.37 0.00	23.35 -0.12 0.00	25.61 0.08 0.00	25.61 -0.76 0.00	26.24 -1.09 0.00	27.07 -1.19 0.00	27.42 -0.94 0.00	28.17 -0.96 0.00	30.72 -1.28 -0.03	32.72 -1.15 0.00	33.91 -1.34 0.00	34.50 -1.36 0.00	36.44 -1.59 -0.16	37.75 -0.99 -0.67	37.58 -0.76 -0.23	36.59 -1.52 -0.20	33.02 -1.52 0.00	29.16 -0.96 0.00	26.75 -0.83 0.00	25.00 -0.23 0.00
NM_ST_REGIS____HYD 24053	25.35 -0.23 0.00	23.45 -0.24 0.00	22.59 -0.05 0.00	21.44 -0.06 0.00	21.60 -0.11 0.00	23.25 -0.21 0.00	25.10 -0.43 0.00	26.01 -0.37 0.00	26.86 -0.46 0.00	27.61 -0.65 0.00	27.65 -0.71 0.00	28.34 -0.79 0.00	31.10 -0.86 0.00	32.99 -0.88 0.00	34.23 -1.02 0.00	34.79 -1.08 0.00	36.81 -1.06 0.00	36.93 -1.14 0.00	36.93 -1.18 0.00	36.96 -0.95 0.00	33.85 -0.69 0.00	29.37 -0.75 0.00	26.97 -0.61 0.00	24.80 -0.43 0.00
NORTHPORT____1 23551	32.66 2.43 -4.64	28.78 2.27 -2.82	24.65 2.01 0.00	23.40 1.89 0.00	23.58 1.87 0.00	25.60 2.14 0.00	29.81 2.32 -1.95	32.86 2.69 -3.79	33.32 2.95 -3.04	33.75 2.85 -2.64	34.90 2.47 -4.07	34.72 2.65 -2.95	36.18 3.16 -1.06	38.92 3.32 -1.73	41.21 3.14 -2.82	41.43 3.19 -2.38	44.17 3.29 -3.00	47.64 3.39 -6.18	43.38 3.35 -1.91	43.06 3.11 -2.05	38.96 3.04 -1.38	34.88 2.77 -1.98	30.88 2.59 -0.71	30.35 2.24 -2.87
NORTHPORT____2 23552	32.66 2.43 -4.64	28.78 2.27 -2.82	24.65 2.01 0.00	23.40 1.89 0.00	23.58 1.87 0.00	25.60 2.14 0.00	29.81 2.32 -1.95	32.86 2.69 -3.79	33.32 2.95 -3.04	33.75 2.85 -2.64	34.90 2.47 -4.07	34.72 2.65 -2.95	36.18 3.16 -1.06	38.92 3.32 -1.73	41.21 3.14 -2.82	41.43 3.19 -2.38	44.17 3.29 -3.00	47.64 3.39 -6.18	43.38 3.35 -1.91	43.06 3.11 -2.05	38.96 3.04 -1.38	34.88 2.77 -1.98	30.88 2.59 -0.71	30.35 2.24 -2.87
NORTHPORT____3 23553	32.30 2.07 -4.64	28.40 1.90 -2.82	24.26 1.63 0.00	23.01 1.50 0.00	23.19 1.48 0.00	25.16 1.69 0.00	29.33 1.84 -1.95	32.41 2.24 -3.79	32.83 2.46 -3.04	33.80 2.91 -2.63	35.19 2.72 -4.11	34.90 2.68 -3.09	35.97 2.78 -1.23	38.61 2.88 -1.86	41.55 3.49 -2.81	41.71 3.48 -2.37	44.69 3.82 -2.99	48.25 4.00 -6.17	43.94 3.93 -1.90	43.62 3.68 -2.04	38.91 3.00 -1.37	34.83 2.50 -2.21	31.01 2.73 -0.70	30.59 2.50 -2.87



NORTHPORT___4 23650	32.30 2.07 -4.64	28.40 1.90 -2.82	24.26 1.63 0.00	23.01 1.50 0.00	23.19 1.48 0.00	25.16 1.69 0.00	29.33 1.84 -1.95	32.41 2.24 -3.79	32.83 2.46 -3.04	33.80 2.91 -2.63	35.19 2.72 -4.11	34.90 2.68 -3.09	35.97 2.78 -1.23	38.61 2.88 -1.86	41.55 3.49 -2.81	41.71 3.48 -2.37	44.69 3.82 -2.99	48.25 4.00 -6.17	43.94 3.93 -1.90	43.62 3.68 -2.04	38.91 3.00 -1.37	34.83 2.50 -2.21	31.01 2.73 -0.70	30.59 2.50 -2.87
NORTHPORT___IC 23718	32.66 2.43 -4.64	28.78 2.27 -2.82	24.65 2.01 0.00	23.40 1.89 0.00	23.58 1.87 0.00	25.60 2.14 0.00	29.81 2.32 -1.95	32.86 2.69 -3.79	33.32 2.95 -3.04	33.75 2.85 -2.64	34.90 2.47 -4.07	34.72 2.65 -2.95	36.18 3.16 -1.06	38.92 3.32 -1.73	41.21 3.14 -2.82	41.43 3.19 -2.38	44.17 3.29 -3.00	47.64 3.39 -6.18	43.38 3.35 -1.91	43.06 3.11 -2.05	38.96 3.04 -1.38	34.88 2.77 -1.98	30.88 2.59 -0.71	30.35 2.24 -2.87
NORTH___COUNTRY_ESR 323785	25.89 0.31 0.00	23.95 0.26 0.00	23.06 0.43 0.00	21.89 0.39 0.00	22.12 0.41 0.00	23.91 0.44 0.00	26.02 0.48 0.00	26.96 0.58 0.00	27.82 0.49 0.00	28.71 0.45 0.00	28.78 0.43 0.00	29.51 0.38 0.00	32.38 0.41 0.00	34.38 0.51 0.00	35.60 0.35 0.00	36.18 0.32 0.00	38.29 0.42 0.00	38.42 0.34 0.00	38.42 0.30 0.00	38.40 0.49 0.00	35.13 0.59 0.00	30.52 0.39 0.00	27.94 0.36 0.00	25.51 0.28 0.00
NPX_GEN_1385_PROXY 323591	31.52 1.66 -4.27	28.23 1.73 -2.82	24.40 1.77 0.00	23.27 1.76 0.00	23.45 1.74 0.00	25.46 1.99 0.00	29.66 2.17 -1.95	32.57 2.40 -3.79	33.13 2.76 -3.04	33.44 2.54 -2.64	34.67 2.24 -4.07	34.49 2.42 -2.95	35.67 2.65 -1.06	38.31 2.71 -1.73	40.33 2.26 -2.82	40.75 2.51 -2.38	43.41 2.54 -3.00	46.96 2.70 -6.18	42.88 2.86 -1.91	42.57 2.61 -2.05	38.75 2.83 -1.38	34.49 2.38 -1.98	30.61 2.32 -0.71	29.87 1.77 -2.87
NPX_GEN_CSC 323557	33.50 3.28 -4.64	29.49 2.98 -2.82	25.26 2.62 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.21 2.74 0.00	30.53 3.04 -1.95	33.71 3.54 -3.80	34.21 3.83 -3.05	34.93 3.96 -2.72	40.24 3.68 -8.20	41.54 3.81 -8.59	44.06 4.38 -7.72	45.36 4.64 -6.85	52.84 4.79 -12.79	78.24 4.91 -37.47	133.62 5.19 -90.56	133.36 5.37 -89.91	110.82 5.30 -67.41	69.57 5.00 -26.66	50.09 4.56 -10.99	44.64 4.04 -10.48	32.09 3.72 -0.79	35.03 3.30 -6.50
NSINS_S_GLNS_FALLS 23858	26.81 1.23 0.00	24.73 1.04 0.00	23.54 0.91 0.00	22.35 0.84 0.00	22.60 0.89 0.00	24.45 0.99 0.00	26.71 1.17 0.00	28.07 1.69 -0.01	29.27 1.94 0.00	33.14 1.92 -2.96	31.10 1.96 -0.79	31.06 2.01 0.08	33.73 1.95 0.18	35.76 1.96 0.08	36.58 1.90 0.57	37.73 1.97 0.11	42.23 2.01 -2.35	48.88 2.32 -8.48	45.07 2.40 -4.55	43.33 2.39 -3.04	36.82 2.28 0.00	32.09 1.96 0.00	29.00 1.68 0.26	26.82 1.59 0.00
NUCOR_STEEL___DRP 24197	25.97 0.38 0.00	24.02 0.33 0.00	22.95 0.32 0.00	21.83 0.32 0.00	22.04 0.33 0.00	23.89 0.42 0.00	26.15 0.61 0.00	26.67 0.29 0.00	28.15 0.22 -0.60	29.23 0.20 -0.77	29.44 0.28 -0.80	30.35 0.29 -0.93	32.66 0.22 -0.48	34.18 0.30 0.00	36.07 0.35 -0.47	37.39 0.36 -1.17	39.84 0.45 -1.52	40.80 0.69 -2.04	40.24 0.80 -1.33	38.77 0.49 -0.37	35.67 0.41 -0.72	30.52 0.39 0.00	28.34 0.25 -0.51	25.51 0.28 0.00
NUMBER_THREE_WT_PWR 323818	25.56 -0.03 0.00	23.64 -0.05 0.00	22.61 -0.02 0.00	21.49 -0.02 0.00	21.71 0.00 0.00	23.54 0.07 0.00	25.59 0.05 0.00	26.46 0.08 0.00	27.63 0.05 -0.25	28.46 -0.11 -0.31	28.54 -0.14 -0.33	29.42 -0.09 -0.38	31.86 -0.29 -0.19	33.57 -0.31 0.00	35.30 -0.14 -0.19	36.34 0.00 -0.48	38.59 0.11 -0.60	39.11 0.27 -0.77	39.12 0.49 -0.52	38.42 0.38 -0.13	35.07 0.24 -0.29	30.13 0.00 0.00	27.76 -0.03 -0.21	25.21 -0.03 0.00
NYISO_LBMP_REFERENCE 24008	25.58 0.00 0.00	23.69 0.00 0.00	22.63 0.00 0.00	21.51 0.00 0.00	21.71 0.00 0.00	23.47 0.00 0.00	25.54 0.00 0.00	26.38 0.00 0.00	27.33 0.00 0.00	28.26 0.00 0.00	28.36 0.00 0.00	29.13 0.00 0.00	31.96 0.00 0.00	33.87 0.00 0.00	35.25 0.00 0.00	35.86 0.00 0.00	37.87 0.00 0.00	38.07 0.00 0.00	38.11 0.00 0.00	37.91 0.00 0.00	34.54 0.00 0.00	30.13 0.00 0.00	27.58 0.00 0.00	25.23 0.00 0.00
NYPA_BRENTWD___GT 24164	33.09 2.86 -4.64	29.13 2.63 -2.82	24.97 2.33 0.00	23.66 2.15 0.00	23.84 2.13 0.00	25.91 2.44 0.00	30.17 2.68 -1.95	33.28 3.11 -3.79	33.76 3.39 -3.04	34.36 3.45 -2.66	38.32 3.18 -6.78	42.34 3.38 -9.84	45.09 3.90 -9.23	46.00 4.13 -8.00	44.50 4.02 -5.24	50.72 3.98 -10.88	66.10 4.01 -24.22	69.42 4.15 -27.20	59.97 4.08 -17.78	49.86 3.94 -8.01	42.14 3.90 -3.70	46.03 3.49 -12.41	31.56 3.25 -0.72	31.83 2.85 -3.75
NYPA_GOWANUS___GT5 24156	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.27 3.03 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NYPA_GOWANUS___GT6 24157	27.53 1.94 0.00	25.35 1.66 0.00	24.22 1.58 0.00	22.99 1.48 0.00	23.08 1.37 0.00	24.83 1.36 0.00	26.94 1.40 0.00	28.30 1.92 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.80 2.97 -0.86	37.04 3.11 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.27 3.03 -2.33	37.24 2.70 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00
NYPA_HARLEM__RVR__GT1 24160	27.40 1.82 0.00	25.21 1.52 0.00	23.98 1.36 0.01	22.86 1.36 0.00	22.88 1.17 0.01	24.65 1.20 0.01	26.75 1.23 0.01	28.11 1.74 0.01	29.40 2.08 0.01	30.57 2.32 0.01	30.50 2.15 0.01	31.42 2.24 -0.05	35.47 2.65 -0.86	36.66 2.74 -0.05	38.47 2.82 -0.40	38.73 2.80 -0.07	42.65 2.88 -1.91	50.06 3.20 -8.79	43.72 2.93 -2.67	42.85 2.61 -2.33	36.85 2.31 0.01	32.32 2.20 0.01	29.97 2.21 -0.18	27.12 1.89 0.00
NYPA_HARLEM__RVR__GT2 24161	27.40 1.82 0.00	25.21 1.52 0.00	23.98 1.36 0.01	22.86 1.36 0.00	22.88 1.17 0.01	24.65 1.20 0.01	26.75 1.23 0.01	28.11 1.74 0.01	29.40 2.08 0.01	30.57 2.32 0.01	30.50 2.15 0.01	31.42 2.24 -0.05	35.47 2.65 -0.86	36.66 2.74 -0.05	38.47 2.82 -0.40	38.73 2.80 -0.07	42.65 2.88 -1.91	50.06 3.20 -8.79	43.72 2.93 -2.67	42.85 2.61 -2.33	36.85 2.31 0.01	32.32 2.20 0.01	29.97 2.21 -0.18	27.12 1.89 0.00
NYPA_KENT___GT 24152	27.50 1.92 0.00	25.32 1.63 0.00	24.17 1.54 0.00	22.97 1.46 0.00	23.06 1.35 0.00	24.83 1.36 0.00	26.97 1.43 0.00	28.30 1.92 0.00	29.60 2.27 0.00	30.80 2.54 0.00	30.74 2.38 0.00	31.69 2.51 -0.06	35.76 2.94 -0.86	36.98 3.05 -0.06	38.86 3.21 -0.40	39.13 3.19 -0.07	43.04 3.26 -1.91	50.25 3.39 -8.79	44.06 3.28 -2.67	43.19 2.96 -2.33	37.16 2.62 0.00	32.57 2.44 0.00	30.19 2.43 -0.18	27.27 2.04 0.00



NYPA_POUCH1____GT 24155	27.48 1.89 0.00	25.30 1.61 0.00	24.17 1.54 0.00	22.95 1.44 0.00	23.04 1.32 0.00	24.76 1.29 0.00	26.87 1.33 0.00	28.20 1.82 0.00	29.52 2.19 0.00	30.72 2.46 0.00	30.66 2.30 0.00	31.60 2.42 -0.06	35.71 2.88 -0.87	36.94 3.01 -0.06	38.79 3.14 -0.41	39.10 3.16 -0.08	42.97 3.18 -1.91	50.26 3.39 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.13 2.59 0.00	32.51 2.38 0.00	30.14 2.37 -0.18	27.22 1.99 0.00
NYPA_VERNON____GT2 24162	27.45 1.87 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.95 1.44 0.00	23.04 1.32 0.00	24.83 1.36 0.00	26.99 1.45 0.00	28.30 1.92 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.00 3.22 -1.91	50.18 3.31 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.10 2.56 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.22 1.99 0.00
NYPA_VERNON____GT3 24163	27.45 1.87 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.95 1.44 0.00	23.04 1.32 0.00	24.83 1.36 0.00	26.99 1.45 0.00	28.30 1.92 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.00 3.22 -1.91	50.18 3.31 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.10 2.56 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.22 1.99 0.00
NYPA____ASTORIA_CC1 323568	27.40 1.82 0.00	25.28 1.59 0.00	24.10 1.47 0.00	22.90 1.40 0.00	22.99 1.28 0.00	24.78 1.31 0.00	26.91 1.38 0.00	28.25 1.87 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.69 3.03 -0.40	38.95 3.01 -0.07	42.85 3.07 -1.91	50.06 3.20 -8.79	43.87 3.09 -2.67	43.04 2.81 -2.33	37.03 2.49 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
NYPA____ASTORIA_CC2 323569	27.40 1.82 0.00	25.28 1.59 0.00	24.10 1.47 0.00	22.90 1.40 0.00	22.99 1.28 0.00	24.78 1.31 0.00	26.91 1.38 0.00	28.25 1.87 0.00	29.54 2.21 0.00	30.71 2.46 0.00	30.65 2.30 0.00	31.60 2.42 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.69 3.03 -0.40	38.95 3.01 -0.07	42.85 3.07 -1.91	50.06 3.20 -8.79	43.87 3.09 -2.67	43.04 2.81 -2.33	37.03 2.49 0.00	32.48 2.35 0.00	30.08 2.32 -0.18	27.17 1.94 0.00
NYPA____HOLTSVILL 23794	32.97 2.74 -4.64	29.02 2.51 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.77 2.30 0.00	30.04 2.55 -1.95	33.16 2.98 -3.80	33.63 3.25 -3.05	34.31 3.33 -2.72	39.62 3.06 -8.19	40.82 3.18 -8.52	43.23 3.64 -7.63	44.48 3.83 -6.78	52.06 3.91 -12.90	77.63 3.94 -37.83	133.45 4.13 -91.45	132.46 4.26 -90.12	110.42 4.23 -68.08	68.80 3.98 -26.91	49.25 3.63 -11.09	43.74 3.25 -10.36	31.48 3.12 -0.79	34.56 2.80 -6.53
NYPA____HELLGATE_GT1 24158	27.40 1.82 0.00	25.21 1.52 0.00	23.98 1.36 0.01	22.86 1.36 0.00	22.88 1.17 0.01	24.65 1.20 0.01	26.75 1.23 0.01	28.11 1.74 0.01	29.40 2.08 0.01	30.57 2.32 0.01	30.50 2.15 0.01	31.42 2.24 -0.05	35.47 2.65 -0.86	36.66 2.74 -0.05	38.47 2.82 -0.40	38.73 2.80 -0.07	42.65 2.88 -1.91	50.06 3.20 -8.79	43.72 2.93 -2.67	42.85 2.61 -2.33	36.85 2.31 0.01	32.32 2.20 0.01	29.97 2.21 -0.18	27.12 1.89 0.00
NYPA____HELLGATE_GT2 24159	27.40 1.82 0.00	25.21 1.52 0.00	23.98 1.36 0.01	22.86 1.36 0.00	22.88 1.17 0.01	24.65 1.20 0.01	26.75 1.23 0.01	28.11 1.74 0.01	29.40 2.08 0.01	30.57 2.32 0.01	30.50 2.15 0.01	31.42 2.24 -0.05	35.47 2.65 -0.86	36.66 2.74 -0.05	38.47 2.82 -0.40	38.73 2.80 -0.07	42.65 2.88 -1.91	50.06 3.20 -8.79	43.72 2.93 -2.67	42.85 2.61 -2.33	36.85 2.31 0.01	32.32 2.20 0.01	29.97 2.21 -0.18	27.12 1.89 0.00
NYS_BARGE____HYD 23848	25.81 0.23 0.00	24.00 0.31 0.00	22.75 0.11 0.00	21.66 0.15 0.00	22.08 0.37 0.00	23.89 0.42 0.00	26.23 0.69 0.00	26.27 -0.11 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	28.16 -0.20 0.00	28.93 -0.20 0.00	31.55 -0.45 -0.03	33.53 -0.34 0.00	34.76 -0.49 0.00	35.43 -0.43 0.00	37.27 -0.76 -0.16	38.62 -0.11 -0.65	38.38 0.04 -0.23	37.49 -0.61 -0.19	33.99 -0.55 0.00	29.95 -0.18 0.00	27.44 -0.14 0.00	25.58 0.35 0.00
OAK_ORCHARD____HYD 24046	25.99 0.41 0.00	24.12 0.43 0.00	23.00 0.36 0.00	21.87 0.37 0.00	22.21 0.50 0.00	24.01 0.54 0.00	26.43 0.89 0.00	26.85 0.48 0.00	27.49 0.27 0.12	28.33 0.23 0.15	28.63 0.43 0.16	29.39 0.44 0.18	32.16 0.25 0.06	34.24 0.37 0.00	35.37 0.21 0.09	35.89 0.25 0.23	37.89 0.15 0.13	39.00 0.65 -0.28	38.89 0.80 0.02	38.45 0.42 -0.12	34.71 0.31 0.14	30.61 0.48 0.00	27.79 0.30 0.10	25.74 0.50 0.00
OAKDALE__35_KV_LOAD 356122	25.94 0.36 0.00	24.02 0.33 0.00	22.93 0.29 0.00	21.79 0.28 0.00	22.02 0.30 0.00	23.84 0.38 0.00	26.02 0.49 0.00	26.62 0.24 0.00	27.74 0.19 -0.22	28.70 0.17 -0.28	28.87 0.23 -0.29	29.72 0.26 -0.33	32.38 0.19 -0.23	34.14 0.27 0.00	35.74 0.32 -0.17	36.60 0.32 -0.42	39.03 0.34 -0.82	40.53 0.57 -1.89	39.68 0.69 -0.88	38.77 0.38 -0.48	35.11 0.31 -0.26	30.46 0.33 0.00	28.04 0.28 -0.18	25.56 0.33 0.00
OCC_CHEM____DRP 24175	25.41 -0.18 0.00	23.52 -0.17 0.00	22.36 -0.27 0.00	21.31 -0.19 0.00	21.39 -0.33 0.00	23.42 -0.05 0.00	25.66 0.13 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.82 -1.05 0.00	34.02 -1.23 0.00	34.57 -1.29 0.00	36.52 -1.51 -0.16	37.87 -0.88 -0.67	37.70 -0.65 -0.23	36.71 -1.40 -0.20	33.12 -1.42 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
OH_GEN_PROXY 24063	25.64 0.05 0.00	23.83 0.14 0.00	22.59 -0.05 0.00	21.51 0.00 0.00	21.93 0.22 0.00	23.70 0.23 0.00	25.97 0.43 0.00	26.01 -0.37 0.00	26.67 -0.66 0.00	27.52 -0.73 0.00	27.85 -0.51 0.00	28.63 -0.50 0.00	31.23 -0.77 -0.03	33.19 -0.68 0.00	34.44 -0.81 0.00	35.07 -0.79 0.00	36.93 -1.10 -0.16	38.24 -0.50 -0.66	37.96 -0.38 -0.23	37.11 -0.99 -0.19	33.54 -1.00 0.00	29.62 -0.51 0.00	27.17 -0.41 0.00	25.36 0.13 0.00
OLIN_CORP_DRP 24177	25.61 0.03 0.00	23.71 0.02 0.00	22.52 -0.11 0.00	21.49 -0.02 0.00	21.56 -0.15 0.00	23.61 0.14 0.00	25.89 0.36 0.00	25.93 -0.45 0.00	26.56 -0.77 0.00	27.41 -0.85 0.00	27.76 -0.60 0.00	28.52 -0.61 0.00	31.10 -0.89 -0.03	33.13 -0.75 0.00	34.33 -0.92 0.00	34.93 -0.93 0.00	36.86 -1.17 -0.16	38.21 -0.53 -0.67	38.04 -0.30 -0.23	37.05 -1.06 -0.20	33.47 -1.07 0.00	29.53 -0.60 0.00	27.08 -0.50 0.00	25.31 0.08 0.00
OLIN_CORP_DSASP 323712	25.38 -0.21 0.00	23.57 -0.12 0.00	22.34 -0.29 0.00	21.27 -0.24 0.00	21.69 -0.02 0.00	23.47 0.00 0.00	25.69 0.15 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.75 -1.12 0.00	33.98 -1.27 0.00	34.60 -1.26 0.00	36.44 -1.59 -0.16	37.79 -0.95 -0.67	37.51 -0.84 -0.23	36.62 -1.48 -0.19	33.09 -1.45 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00



ONEIDA_HERK_LFGE 323681	25.84 0.26 0.00	23.90 0.21 0.00	22.84 0.20 0.00	21.72 0.22 0.00	21.95 0.24 0.00	23.77 0.30 0.00	25.87 0.33 0.00	26.77 0.40 0.00	27.87 0.41 -0.13	28.73 0.31 -0.16	28.84 0.31 -0.17	29.70 0.38 -0.20	32.35 0.29 -0.10	34.18 0.30 0.00	35.81 0.46 -0.10	36.68 0.57 -0.25	38.84 0.64 -0.33	39.33 0.80 -0.46	39.35 0.95 -0.29	38.83 0.83 -0.09	35.35 0.65 -0.15	30.55 0.42 0.00	28.05 0.36 -0.11	25.53 0.30 0.00
ONEIDA___115KV_TB4 55905	26.12 0.54 0.00	24.16 0.47 0.00	23.09 0.45 0.00	21.94 0.43 0.00	22.17 0.46 0.00	24.03 0.56 0.00	26.20 0.66 0.00	26.98 0.61 0.00	28.12 0.63 -0.17	29.03 0.57 -0.21	29.15 0.57 -0.22	30.05 0.67 -0.26	32.74 0.64 -0.14	34.51 0.64 0.00	36.23 0.85 -0.13	37.08 0.90 -0.32	39.30 0.98 -0.45	39.89 1.14 -0.68	39.81 1.30 -0.41	39.15 1.10 -0.14	35.64 0.90 -0.20	30.79 0.66 0.00	28.27 0.55 -0.14	25.76 0.53 0.00
ONONDAGA_REF_OCCRA 23987	25.64 0.05 0.00	23.71 0.02 0.00	22.66 0.02 0.00	21.53 0.02 0.00	21.74 0.02 0.00	23.56 0.09 0.00	25.72 0.18 0.00	26.27 -0.11 0.00	27.54 -0.16 -0.38	28.48 -0.25 -0.48	28.63 -0.23 -0.50	29.50 -0.20 -0.58	31.98 -0.29 -0.31	33.60 -0.27 0.00	35.30 -0.25 -0.29	36.34 -0.25 -0.73	38.67 -0.19 -0.99	39.50 0.00 -1.43	39.11 0.11 -0.88	38.04 -0.15 -0.28	34.78 -0.21 -0.45	29.98 -0.15 0.00	27.70 -0.19 -0.32	25.13 -0.10 0.00
ONONDAGA___COGEN 23986	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
ONTARIO___LFGE 23819	26.20 0.61 0.00	24.28 0.59 0.00	23.13 0.50 0.00	22.00 0.50 0.00	22.36 0.65 0.00	24.22 0.75 0.00	26.58 1.05 0.00	27.09 0.71 0.00	28.08 0.60 -0.15	29.01 0.56 -0.19	29.24 0.68 -0.20	30.09 0.73 -0.23	32.74 0.64 -0.14	34.62 0.74 0.00	35.93 0.56 -0.12	36.72 0.57 -0.29	38.97 0.60 -0.50	40.12 1.03 -1.02	39.80 1.18 -0.51	38.90 0.76 -0.23	35.58 0.86 -0.18	30.94 0.81 0.00	28.31 0.61 -0.13	25.91 0.68 0.00
ORANGEVILLE_WT_PWR 323706	26.02 0.43 0.00	24.16 0.47 0.00	22.93 0.29 0.00	21.81 0.30 0.00	22.23 0.52 0.00	24.05 0.59 0.00	26.38 0.84 0.00	26.56 0.19 0.00	27.27 -0.05 0.00	28.14 -0.11 0.00	28.47 0.11 0.00	29.24 0.12 0.00	31.91 -0.10 -0.04	33.91 0.03 0.00	35.21 -0.04 0.00	35.86 0.00 0.00	37.72 -0.34 -0.19	39.14 0.27 -0.79	38.77 0.38 -0.28	37.91 -0.23 -0.23	34.40 -0.14 0.00	30.31 0.18 0.00	27.75 0.17 0.00	25.74 0.50 0.00
ORANGEVILLE___ESR 323794	26.02 0.43 0.00	24.16 0.47 0.00	22.93 0.29 0.00	21.81 0.30 0.00	22.23 0.52 0.00	24.05 0.59 0.00	26.38 0.84 0.00	26.56 0.19 0.00	27.27 -0.05 0.00	28.14 -0.11 0.00	28.47 0.11 0.00	29.24 0.12 0.00	31.91 -0.10 -0.04	33.91 0.03 0.00	35.21 -0.04 0.00	35.86 0.00 0.00	37.72 -0.34 -0.19	39.14 0.27 -0.79	38.77 0.38 -0.28	37.91 -0.23 -0.23	34.40 -0.14 0.00	30.31 0.18 0.00	27.75 0.17 0.00	25.74 0.50 0.00
OSWEGATCHIE___HYD 24044	25.25 -0.33 0.00	23.36 -0.33 0.00	22.41 -0.23 0.00	21.27 -0.24 0.00	21.45 -0.26 0.00	23.16 -0.31 0.00	25.10 -0.43 0.00	25.93 -0.45 0.00	27.02 -0.52 -0.21	27.79 -0.73 -0.27	27.87 -0.76 -0.28	28.66 -0.79 -0.32	31.13 -0.99 -0.16	32.86 -1.02 0.00	34.43 -0.99 -0.16	35.33 -0.93 -0.40	37.48 -0.87 -0.48	37.75 -0.84 -0.51	37.78 -0.73 -0.39	37.30 -0.68 -0.07	34.17 -0.62 -0.25	29.40 -0.72 0.00	27.12 -0.63 -0.18	24.75 -0.48 0.00
OSWEGO___5 23606	25.20 -0.38 0.00	23.34 -0.35 0.00	22.30 -0.34 0.00	21.19 -0.32 0.00	21.43 -0.28 0.00	23.16 -0.31 0.00	25.28 -0.26 0.00	25.85 -0.53 0.00	29.51 -0.60 -2.78	31.17 -0.65 -3.56	31.44 -0.62 -3.71	32.81 -0.61 -4.29	33.32 -0.73 -2.09	33.06 -0.81 0.00	36.62 -0.81 -2.17	40.44 -0.82 -5.40	43.46 -0.87 -6.46	44.51 -0.72 -7.16	42.76 -0.68 -5.33	38.10 -0.83 -1.02	37.09 -0.76 -3.31	29.49 -0.63 0.00	29.32 -0.61 -2.34	24.73 -0.50 0.00
OSWEGO___6 23613	25.20 -0.38 0.00	23.34 -0.35 0.00	22.30 -0.34 0.00	21.19 -0.32 0.00	21.43 -0.28 0.00	23.16 -0.31 0.00	25.28 -0.26 0.00	25.85 -0.53 0.00	29.51 -0.60 -2.78	31.17 -0.65 -3.56	31.44 -0.62 -3.71	32.81 -0.61 -4.29	33.32 -0.73 -2.09	33.06 -0.81 0.00	36.62 -0.81 -2.17	40.44 -0.82 -5.40	43.46 -0.87 -6.46	44.51 -0.72 -7.16	42.76 -0.68 -5.33	38.10 -0.83 -1.02	37.09 -0.76 -3.31	29.49 -0.63 0.00	29.32 -0.61 -2.34	24.73 -0.50 0.00
OUTOKUMPU-AB___DRP 24206	25.97 0.38 0.00	24.05 0.36 0.00	22.84 0.20 0.00	21.79 0.28 0.00	21.89 0.17 0.00	23.96 0.49 0.00	26.30 0.77 0.00	26.38 0.00 0.00	27.03 -0.30 0.00	27.92 -0.34 0.00	28.27 -0.09 0.00	29.04 -0.09 0.00	31.68 -0.32 -0.03	33.77 -0.10 0.00	35.00 -0.25 0.00	35.57 -0.29 0.00	37.54 -0.49 -0.16	38.91 0.15 -0.68	38.77 0.42 -0.24	37.73 -0.38 -0.21	34.13 -0.41 0.00	30.07 -0.06 0.00	27.55 -0.03 0.00	25.68 0.45 0.00
OXBOW___ 24026	25.71 0.13 0.00	23.88 0.19 0.00	22.63 0.00 0.00	21.55 0.04 0.00	21.97 0.26 0.00	23.77 0.30 0.00	26.07 0.54 0.00	26.06 -0.32 0.00	26.73 -0.60 0.00	27.61 -0.65 0.00	27.96 -0.40 0.00	28.72 -0.41 0.00	31.36 -0.64 -0.03	33.33 -0.54 0.00	34.54 -0.70 0.00	35.22 -0.64 0.00	37.05 -0.98 -0.16	38.44 -0.31 -0.67	38.16 -0.19 -0.23	37.23 -0.87 -0.19	33.71 -0.83 0.00	29.74 -0.39 0.00	27.25 -0.33 0.00	25.43 0.20 0.00
OXY_CHEM_DSASP 323612	25.41 -0.18 0.00	23.52 -0.17 0.00	22.36 -0.27 0.00	21.31 -0.19 0.00	21.39 -0.33 0.00	23.42 -0.05 0.00	25.66 0.13 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.82 -1.05 0.00	34.02 -1.23 0.00	34.57 -1.29 0.00	36.52 -1.51 -0.16	37.87 -0.88 -0.67	37.70 -0.65 -0.23	36.71 -1.40 -0.20	33.12 -1.42 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
OZONE_PARK_ESR 323760	27.53 1.94 0.00	25.42 1.73 0.00	24.24 1.61 0.00	23.01 1.51 0.00	23.21 1.50 0.00	24.99 1.53 0.00	27.22 1.69 0.00	28.59 2.22 0.00	29.90 2.57 0.00	31.08 2.83 0.00	31.02 2.67 0.00	31.95 2.77 -0.06	36.09 3.26 -0.86	37.31 3.39 -0.06	39.21 3.56 -0.40	39.52 3.59 -0.07	43.61 3.82 -1.91	50.83 3.96 -8.80	44.68 3.89 -2.68	43.79 3.56 -2.32	37.58 3.04 0.00	32.93 2.80 0.00	30.47 2.70 -0.18	27.53 2.30 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	25.41 -0.18 0.00	23.52 -0.17 0.00	22.36 -0.27 0.00	21.31 -0.19 0.00	21.39 -0.33 0.00	23.42 -0.05 0.00	25.66 0.13 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.82 -1.05 0.00	34.02 -1.23 0.00	34.57 -1.29 0.00	36.52 -1.51 -0.16	37.87 -0.88 -0.67	37.70 -0.65 -0.23	36.71 -1.40 -0.20	33.12 -1.42 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00



PACKARD__115KV_DUPONT_184 80571	25.41 -0.18 0.00	23.52 -0.17 0.00	22.36 -0.27 0.00	21.31 -0.19 0.00	21.39 -0.33 0.00	23.42 -0.05 0.00	25.66 0.13 0.00	25.67 -0.71 0.00	26.32 -1.01 0.00	27.15 -1.10 0.00	27.48 -0.88 0.00	28.25 -0.87 0.00	30.81 -1.18 -0.03	32.82 -1.05 0.00	34.02 -1.23 0.00	34.57 -1.29 0.00	36.52 -1.51 -0.16	37.87 -0.88 -0.67	37.70 -0.65 -0.23	36.71 -1.40 -0.20	33.12 -1.42 0.00	29.22 -0.90 0.00	26.84 -0.74 0.00	25.08 -0.15 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	27.30 1.71 0.00	25.13 1.45 0.00	23.86 1.22 0.00	22.65 1.14 0.00	22.89 1.17 0.00	24.59 1.13 0.00	26.71 1.17 0.00	28.09 1.71 0.00	29.43 2.10 0.00	30.60 2.35 0.00	30.54 2.18 0.00	31.46 2.27 -0.06	35.51 2.68 -0.86	36.70 2.78 -0.06	38.51 2.86 -0.40	38.80 2.87 -0.07	42.74 2.95 -1.91	50.06 3.20 -8.79	43.76 2.97 -2.67	42.88 2.65 -2.32	36.89 2.35 0.00	32.36 2.23 0.00	30.03 2.26 -0.18	27.15 1.92 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	27.76 2.17 0.00	25.56 1.87 0.00	24.31 1.67 0.00	23.03 1.53 0.00	23.25 1.54 0.00	24.99 1.53 0.00	27.12 1.58 0.00	28.51 2.14 0.00	29.84 2.51 0.00	31.03 2.77 0.00	30.94 2.58 0.00	31.89 2.71 -0.06	35.99 3.16 -0.86	37.18 3.25 -0.06	39.04 3.38 -0.40	39.31 3.37 -0.07	43.27 3.48 -1.91	50.60 3.73 -8.79	44.33 3.54 -2.67	43.48 3.26 -2.32	37.37 2.83 0.00	32.81 2.68 0.00	30.47 2.70 -0.18	27.58 2.35 0.00
PATROON__115KV_TB1 80586	26.15 0.56 0.00	24.23 0.54 0.00	23.09 0.45 0.00	21.92 0.41 0.00	22.17 0.46 0.00	23.89 0.42 0.00	25.97 0.43 0.00	27.13 0.76 0.01	28.18 0.85 0.00	25.64 0.96 3.58	28.34 0.94 0.95	30.02 0.96 0.07	32.96 1.12 0.12	34.95 1.15 0.07	35.93 1.20 0.51	37.02 1.26 0.09	41.48 1.29 -2.33	47.98 1.41 -8.50	41.74 1.45 -2.18	42.23 1.33 -2.99	35.75 1.21 0.00	31.09 0.96 0.00	28.23 0.88 0.23	25.96 0.73 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	25.81 0.23 0.00	23.90 0.21 0.00	22.70 0.07 0.00	21.64 0.13 0.00	21.80 0.09 0.00	23.82 0.35 0.00	26.17 0.64 0.00	26.30 -0.08 0.00	26.97 -0.36 0.00	27.89 -0.37 0.00	28.22 -0.14 0.00	29.01 -0.12 0.00	31.52 -0.48 -0.04	33.77 -0.10 0.00	35.00 -0.25 0.00	35.61 -0.25 0.00	37.21 -0.83 -0.18	38.57 -0.23 -0.73	38.36 0.00 -0.25	37.29 -0.83 -0.22	34.13 -0.41 0.00	30.01 -0.12 0.00	27.50 -0.08 0.00	25.56 0.33 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	27.55 1.97 0.00	25.47 1.78 0.00	24.20 1.56 0.00	22.99 1.48 0.00	23.04 1.32 0.00	24.85 1.38 0.00	27.07 1.53 0.00	28.41 2.03 0.00	29.79 2.46 0.00	30.88 2.63 0.00	30.97 2.61 0.00	31.83 2.65 -0.05	35.79 3.04 -0.80	37.10 3.18 -0.05	39.05 3.45 -0.34	39.47 3.55 -0.06	43.56 3.75 -1.94	50.81 3.96 -8.77	44.77 3.93 -2.73	44.03 3.75 -2.37	37.72 3.18 0.00	32.78 2.65 0.00	30.19 2.45 -0.16	27.32 2.09 0.00
PEEKSKILL____ 23653	27.20 1.61 0.00	25.16 1.47 0.00	23.97 1.34 0.00	22.75 1.25 0.00	22.86 1.15 0.00	24.71 1.24 0.00	26.86 1.33 0.00	28.09 1.71 0.00	29.30 1.97 0.00	30.40 2.15 0.00	30.43 2.07 0.00	31.31 2.13 -0.06	35.27 2.46 -0.85	36.50 2.57 -0.05	38.43 2.78 -0.40	38.73 2.80 -0.07	42.74 2.99 -1.88	49.80 3.08 -8.64	43.79 3.05 -2.63	43.01 2.81 -2.29	36.92 2.38 0.00	32.27 2.14 0.00	29.80 2.04 -0.18	26.97 1.74 0.00
PGE MADISON__WINDPWR 24146	27.30 1.71 0.00	25.23 1.54 0.00	24.08 1.45 0.00	22.90 1.40 0.00	23.21 1.50 0.00	25.27 1.81 0.00	27.58 2.04 0.00	28.33 1.95 0.00	29.44 1.88 -0.23	30.24 1.70 -0.29	30.42 1.76 -0.30	31.49 2.01 -0.35	34.13 1.92 -0.25	35.94 2.07 0.00	37.97 2.54 -0.18	39.03 2.72 -0.44	41.75 2.96 -0.92	43.72 3.43 -2.22	42.97 3.85 -1.01	41.93 3.56 -0.46	37.85 3.04 -0.27	32.48 2.35 0.00	29.76 1.99 -0.19	27.02 1.79 0.00
PIERCEFIELD__HYD 23852	25.18 -0.41 0.00	23.29 -0.40 0.00	22.39 -0.25 0.00	21.27 -0.24 0.00	21.41 -0.30 0.00	23.02 -0.45 0.00	24.80 -0.74 0.00	25.67 -0.71 0.00	26.64 -0.79 -0.11	27.38 -1.02 -0.14	27.42 -1.08 -0.14	28.13 -1.17 -0.17	30.76 -1.28 -0.08	32.52 -1.35 0.00	33.85 -1.48 -0.08	34.56 -1.51 -0.21	36.56 -1.55 -0.25	36.70 -1.64 -0.26	36.64 -1.68 -0.20	36.54 -1.40 -0.04	33.53 -1.14 -0.13	29.01 -1.11 0.00	26.73 -0.94 -0.09	24.55 -0.68 0.00
PINELAWN_CC_1 323563	32.81 2.58 -4.64	28.85 2.35 -2.82	24.69 2.06 0.00	23.42 1.91 0.00	23.60 1.89 0.00	25.62 2.16 0.00	29.61 2.12 -1.95	32.68 2.51 -3.79	33.08 2.71 -3.04	33.73 2.83 -2.64	35.71 2.64 -4.72	36.28 2.77 -4.39	37.92 3.20 -2.77	40.33 3.42 -3.04	42.46 3.56 -3.65	44.79 3.62 -5.31	51.85 3.67 -10.31	56.41 3.81 -14.52	49.38 3.89 -7.38	45.65 3.64 -4.10	40.03 3.32 -2.18	37.55 3.25 -4.16	31.35 3.06 -0.71	31.11 2.70 -3.17
PJM_GEN_HTP_PROXY 323702	27.37 1.79 0.00	25.28 1.59 0.00	24.15 1.52 0.00	22.93 1.42 0.00	23.04 1.32 0.00	24.90 1.43 0.00	27.09 1.56 0.00	28.38 2.00 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.51 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.86 3.21 -0.40	39.13 3.19 -0.07	43.19 3.41 -1.91	50.37 3.50 -8.80	44.22 3.43 -2.68	43.31 3.07 -2.33	37.20 2.66 0.00	32.60 2.47 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
PJM_GEN_KEystone 24065	26.30 0.72 0.00	24.40 0.71 0.00	23.20 0.57 0.00	22.04 0.54 0.00	22.30 0.59 0.00	24.10 0.63 0.00	26.28 0.74 0.00	27.01 0.63 0.00	27.98 0.65 0.00	28.99 0.73 0.00	29.12 0.77 0.00	29.95 0.79 -0.03	33.30 0.86 -0.47	34.85 0.95 -0.03	36.49 1.02 -0.22	36.94 1.04 -0.04	39.84 0.91 -1.07	44.18 1.22 -4.88	40.83 1.22 -1.49	40.00 0.80 -1.30	35.23 0.69 0.00	30.91 0.78 0.00	28.48 0.80 -0.10	26.06 0.83 0.00
PJM_GEN_NEPTUNE_PROXY 323594	32.30 2.07 -4.64	28.40 1.90 -2.82	24.28 1.65 0.00	23.06 1.55 0.00	23.21 1.50 0.00	25.18 1.71 0.00	29.33 1.84 -1.95	32.41 2.24 -3.79	32.86 2.49 -3.04	33.55 2.66 -2.64	35.08 2.50 -4.22	35.04 2.56 -3.34	36.43 2.94 -1.53	39.04 3.08 -2.09	41.43 3.24 -2.94	41.91 3.26 -2.79	45.38 3.48 -4.03	50.49 3.62 -8.80	44.34 3.55 -2.68	43.54 3.30 -2.33	38.89 2.87 -1.49	35.30 2.59 -2.59	30.82 2.54 -0.71	30.37 2.22 -2.91
PJM_GEN_VFT_PROXY 323633	27.27 1.69 0.00	25.18 1.49 0.00	24.04 1.40 0.00	22.82 1.31 0.00	22.93 1.22 0.00	24.76 1.29 0.00	26.97 1.43 0.00	28.20 1.82 0.00	29.46 2.13 0.00	30.60 2.34 0.00	30.57 2.21 0.00	31.49 2.30 -0.06	35.54 2.72 -0.86	36.70 2.78 -0.06	38.62 2.96 -0.40	38.88 2.94 -0.07	42.93 3.14 -1.91	50.11 3.23 -8.80	43.95 3.16 -2.68	43.09 2.84 -2.33	36.99 2.45 0.00	32.45 2.32 0.00	30.05 2.29 -0.18	27.15 1.92 0.00
PLATSBURG_115KV_PMLD1 355749	26.28 0.69 0.00	24.31 0.62 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.47 0.76 0.00	24.31 0.84 0.00	26.43 0.89 0.00	27.41 1.03 0.00	28.26 0.93 0.00	29.16 0.90 0.00	29.24 0.88 0.00	29.97 0.84 0.00	32.89 0.93 0.00	34.92 1.05 0.00	36.13 0.88 0.00	36.69 0.82 0.00	38.82 0.95 0.00	39.03 0.95 0.00	39.03 0.91 0.00	38.97 1.06 0.00	35.71 1.17 0.00	31.00 0.87 0.00	28.38 0.80 0.00	25.91 0.68 0.00



PLEASANTVLY___LBMP 24000	26.84 1.25 0.00	24.87 1.18 0.00	23.68 1.04 0.00	22.47 0.97 0.00	22.71 1.00 0.00	24.47 1.01 0.00	26.58 1.05 0.00	27.83 1.45 0.00	29.00 1.67 0.00	30.09 1.84 0.00	30.12 1.76 0.00	31.00 1.81 -0.07	35.03 2.11 -0.96	36.14 2.20 -0.06	38.04 2.33 -0.46	38.31 2.37 -0.09	42.46 2.54 -2.05	50.21 2.63 -9.51	43.57 2.59 -2.87	42.78 2.39 -2.49	36.58 2.04 0.00	31.94 1.81 0.00	29.53 1.74 -0.21	26.74 1.51 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	27.15 1.56 0.00	25.11 1.42 0.00	23.90 1.27 0.00	22.71 1.20 0.00	22.93 1.22 0.00	24.69 1.22 0.00	26.86 1.33 0.00	28.17 1.79 0.00	29.41 2.08 0.00	30.52 2.26 0.00	30.54 2.18 0.00	31.43 2.24 -0.06	35.42 2.59 -0.87	36.64 2.71 -0.06	38.55 2.89 -0.41	38.84 2.90 -0.08	42.95 3.14 -1.94	50.22 3.24 -8.91	44.03 3.20 -2.71	43.22 2.96 -2.35	37.03 2.49 0.00	32.36 2.23 0.00	29.89 2.12 -0.19	27.07 1.84 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	27.15 1.56 0.00	25.11 1.42 0.00	23.90 1.27 0.00	22.71 1.20 0.00	22.93 1.22 0.00	24.69 1.22 0.00	26.86 1.33 0.00	28.17 1.79 0.00	29.41 2.08 0.00	30.52 2.26 0.00	30.54 2.18 0.00	31.43 2.24 -0.06	35.42 2.59 -0.87	36.64 2.71 -0.06	38.55 2.89 -0.41	38.84 2.90 -0.08	42.95 3.14 -1.94	50.22 3.24 -8.91	44.03 3.20 -2.71	43.22 2.96 -2.35	37.03 2.49 0.00	32.36 2.23 0.00	29.89 2.12 -0.19	27.07 1.84 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	26.94 1.36 0.00	24.95 1.26 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.78 1.06 0.00	24.52 1.06 0.00	26.66 1.12 0.00	27.91 1.53 0.00	29.02 1.69 0.00	30.09 1.84 0.00	30.14 1.79 0.00	30.91 1.81 0.02	34.32 2.14 -0.21	36.05 2.20 0.02	37.46 2.36 0.15	38.24 2.40 0.03	42.39 2.61 -1.91	48.36 2.74 -7.54	43.63 2.74 -2.78	42.82 2.50 -2.41	36.72 2.18 0.00	32.03 1.90 0.00	29.30 1.79 0.07	26.82 1.59 0.00
POLETTI____ 23519	27.25 1.66 0.00	25.18 1.49 0.00	23.99 1.36 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.76 1.29 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.57 2.24 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.76 3.10 -0.40	39.02 3.08 -0.07	43.08 3.29 -1.91	50.30 3.43 -8.80	44.11 3.32 -2.68	43.22 2.99 -2.32	37.10 2.56 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
POMONA___ESR 323819	27.09 1.51 0.00	25.06 1.37 0.00	23.90 1.27 0.00	22.69 1.18 0.00	22.82 1.11 0.00	24.64 1.17 0.00	26.81 1.28 0.00	28.01 1.64 0.00	29.19 1.86 0.00	30.29 2.04 0.00	30.31 1.96 0.00	31.19 2.01 -0.05	35.09 2.33 -0.80	36.36 2.44 -0.05	38.23 2.61 -0.37	38.55 2.62 -0.07	42.47 2.80 -1.80	49.24 2.93 -8.24	43.53 2.90 -2.52	42.72 2.61 -2.19	36.78 2.24 0.00	32.15 2.02 0.00	29.68 1.93 -0.17	26.90 1.66 0.00
PORT_JEFF_3 23555	33.02 2.79 -4.64	29.04 2.54 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.07 2.58 -1.95	33.19 3.01 -3.80	33.66 3.28 -3.05	34.37 3.39 -2.72	39.71 3.12 -8.23	40.98 3.20 -8.65	43.36 3.61 -7.79	44.50 3.73 -6.90	51.93 3.81 -12.87	77.45 3.84 -37.75	133.06 3.94 -91.25	133.06 4.08 -90.91	110.12 4.08 -67.93	68.59 3.83 -26.86	49.13 3.52 -11.07	43.85 3.16 -10.56	31.54 3.17 -0.79	34.58 2.83 -6.53
PORT_JEFF_4 23616	33.02 2.79 -4.64	29.04 2.54 -2.82	24.85 2.22 0.00	23.55 2.04 0.00	23.73 2.02 0.00	25.79 2.32 0.00	30.07 2.58 -1.95	33.19 3.01 -3.80	33.66 3.28 -3.05	34.37 3.39 -2.72	39.71 3.12 -8.23	40.98 3.20 -8.65	43.36 3.61 -7.79	44.50 3.73 -6.90	51.93 3.81 -12.87	77.45 3.84 -37.75	133.06 3.94 -91.25	133.06 4.08 -90.91	110.12 4.08 -67.93	68.59 3.83 -26.86	49.13 3.52 -11.07	43.85 3.16 -10.56	31.54 3.17 -0.79	34.58 2.83 -6.53
PORT_JEFF_IC 23713	33.09 2.86 -4.64	29.11 2.61 -2.82	24.92 2.29 0.00	23.62 2.11 0.00	23.80 2.08 0.00	25.86 2.39 0.00	30.12 2.63 -1.95	33.27 3.08 -3.80	33.74 3.36 -3.06	34.49 3.50 -2.73	39.98 3.23 -8.39	41.56 3.35 -9.09	43.94 3.67 -8.30	45.00 3.83 -7.30	52.14 3.95 -12.94	77.73 3.91 -37.96	133.68 4.05 -91.75	136.95 4.19 -94.69	110.61 4.19 -68.31	68.82 3.91 -27.00	49.33 3.66 -11.13	44.60 3.25 -11.21	31.66 3.28 -0.80	34.71 2.93 -6.56
PPL PILGRIM_ST_GT1 24216	33.09 2.86 -4.64	29.13 2.63 -2.82	24.97 2.33 0.00	23.66 2.15 0.00	23.84 2.13 0.00	25.91 2.44 0.00	30.17 2.68 -1.95	33.28 3.11 -3.79	33.76 3.39 -3.04	34.36 3.45 -2.66	38.32 3.18 -6.78	42.34 3.38 -9.84	45.09 3.90 -9.23	46.00 4.13 -8.00	44.50 4.02 -5.24	50.72 3.98 -10.88	66.10 4.01 -24.22	69.42 4.15 -27.20	59.97 4.08 -17.78	49.86 3.94 -8.01	42.14 3.90 -3.70	46.03 3.49 -12.41	31.56 3.25 -0.72	31.83 2.85 -3.75
PPL PILGRIM_ST_GT2 24217	33.09 2.86 -4.64	29.13 2.63 -2.82	24.97 2.33 0.00	23.66 2.15 0.00	23.84 2.13 0.00	25.91 2.44 0.00	30.17 2.68 -1.95	33.28 3.11 -3.79	33.76 3.39 -3.04	34.36 3.45 -2.66	38.32 3.18 -6.78	42.34 3.38 -9.84	45.09 3.90 -9.23	46.00 4.13 -8.00	44.50 4.02 -5.24	50.72 3.98 -10.88	66.10 4.01 -24.22	69.42 4.15 -27.20	59.97 4.08 -17.78	49.86 3.94 -8.01	42.14 3.90 -3.70	46.03 3.49 -12.41	31.56 3.25 -0.72	31.83 2.85 -3.75
PPL_SHRM_GT3 24213	33.50 3.28 -4.64	29.49 2.98 -2.82	25.26 2.62 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.21 2.74 0.00	30.53 3.04 -1.95	33.72 3.54 -3.80	34.21 3.83 -3.05	34.94 3.96 -2.72	40.24 3.66 -8.23	41.65 3.78 -8.73	44.19 4.35 -7.89	45.46 4.61 -6.98	52.78 4.79 -12.74	78.07 4.95 -37.26	133.12 5.23 -90.03	133.99 5.37 -90.54	110.46 5.34 -67.01	69.46 5.04 -26.51	50.03 4.56 -10.93	44.85 4.04 -10.69	32.12 3.75 -0.79	35.01 3.30 -6.48
PPL_SHRM_GT4 24214	33.50 3.28 -4.64	29.49 2.98 -2.82	25.26 2.62 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.21 2.74 0.00	30.53 3.04 -1.95	33.72 3.54 -3.80	34.21 3.83 -3.05	34.94 3.96 -2.72	40.24 3.66 -8.23	41.65 3.78 -8.73	44.19 4.35 -7.89	45.46 4.61 -6.98	52.78 4.79 -12.74	78.07 4.95 -37.26	133.12 5.23 -90.03	133.99 5.37 -90.54	110.46 5.34 -67.01	69.46 5.04 -26.51	50.03 4.56 -10.93	44.85 4.04 -10.69	32.12 3.75 -0.79	35.01 3.30 -6.48
PROJECT___ORANGE 1 24174	25.56 -0.03 0.00	23.67 -0.02 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.49 0.02 0.00	25.66 0.13 0.00	26.19 -0.18 0.00	27.35 -0.27 -0.30	28.27 -0.37 -0.38	28.41 -0.34 -0.40	29.27 -0.32 -0.46	31.76 -0.45 -0.24	33.43 -0.44 0.00	35.09 -0.39 -0.23	36.01 -0.43 -0.58	38.28 -0.38 -0.79	39.01 -0.23 -1.16	38.71 -0.11 -0.71	37.80 -0.34 -0.23	34.51 -0.38 -0.35	29.80 -0.33 0.00	27.53 -0.30 -0.25	25.03 -0.20 0.00
PROJECT___ORANGE 2 24166	25.56 -0.03 0.00	23.67 -0.02 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.49 0.02 0.00	25.66 0.13 0.00	26.19 -0.18 0.00	27.35 -0.27 -0.30	28.27 -0.37 -0.38	28.41 -0.34 -0.40	29.27 -0.32 -0.46	31.76 -0.45 -0.24	33.43 -0.44 0.00	35.09 -0.39 -0.23	36.01 -0.43 -0.58	38.28 -0.38 -0.79	39.01 -0.23 -1.16	38.71 -0.11 -0.71	37.80 -0.34 -0.23	34.51 -0.38 -0.35	29.80 -0.33 0.00	27.53 -0.30 -0.25	25.03 -0.20 0.00



PUCKETT___SOLAR 323809	26.30 0.72 0.00	24.38 0.69 0.00	23.25 0.61 0.00	22.09 0.58 0.00	22.39 0.67 0.00	24.24 0.77 0.00	26.43 0.89 0.00	27.06 0.68 0.00	28.14 0.60 -0.21	29.06 0.54 -0.27	29.21 0.57 -0.28	30.07 0.61 -0.33	32.77 0.58 -0.23	34.48 0.61 0.00	36.16 0.74 -0.16	37.10 0.83 -0.41	39.63 0.91 -0.86	41.35 1.22 -2.06	40.45 1.41 -0.93	39.55 1.18 -0.47	35.79 1.00 -0.25	31.00 0.87 0.00	28.50 0.74 -0.18	25.96 0.73 0.00
PYRITES___HYD 24023	25.35 -0.23 0.00	23.45 -0.24 0.00	22.54 -0.09 0.00	21.42 -0.09 0.00	21.58 -0.13 0.00	23.28 -0.19 0.00	25.13 -0.41 0.00	26.06 -0.32 0.00	26.92 -0.41 0.00	27.63 -0.62 0.00	27.71 -0.65 0.00	28.46 -0.67 0.00	31.16 -0.80 0.00	33.06 -0.81 0.00	34.40 -0.85 0.00	34.96 -0.90 0.00	37.00 -0.87 0.00	37.12 -0.95 0.00	37.16 -0.95 0.00	37.23 -0.68 0.00	34.06 -0.48 0.00	29.47 -0.66 0.00	27.03 -0.55 0.00	24.83 -0.40 0.00
QUAKERRD_115KV_BK1 80622	25.97 0.38 0.00	24.05 0.36 0.00	22.95 0.32 0.00	21.85 0.34 0.00	21.97 0.26 0.00	23.91 0.45 0.00	26.33 0.79 0.00	26.77 0.40 0.00	27.42 0.22 0.12	28.27 0.17 0.16	28.53 0.34 0.17	29.28 0.35 0.19	32.15 0.26 0.07	34.21 0.34 0.00	35.36 0.21 0.10	35.80 0.18 0.24	37.91 0.19 0.15	38.89 0.57 -0.24	38.87 0.80 0.04	38.45 0.42 -0.12	34.70 0.31 0.15	30.52 0.39 0.00	27.70 0.22 0.11	25.61 0.38 0.00
QUENSBRY_115KV_TB8 356137	26.81 1.23 0.00	24.71 1.02 0.00	23.52 0.88 0.00	22.30 0.80 0.00	22.58 0.87 0.00	24.43 0.96 0.00	26.71 1.17 0.00	28.07 1.69 -0.01	29.30 1.97 0.00	33.02 1.95 -2.81	31.09 1.99 -0.75	31.09 2.04 0.08	33.74 1.95 0.17	35.76 1.96 0.08	36.55 1.87 0.57	37.69 1.94 0.10	42.20 1.97 -2.36	48.86 2.28 -8.50	45.01 2.40 -4.50	43.30 2.35 -3.04	36.78 2.25 0.00	32.09 1.96 0.00	28.98 1.65 0.26	26.82 1.59 0.00
RAMAPO___LBMP 323565	26.89 1.30 0.00	24.90 1.21 0.00	23.72 1.09 0.00	22.52 1.01 0.00	22.73 1.02 0.00	24.50 1.03 0.00	26.63 1.10 0.00	27.88 1.50 0.00	29.08 1.75 0.00	30.18 1.92 0.00	30.20 1.84 0.00	31.07 1.89 -0.05	34.96 2.21 -0.79	36.22 2.30 -0.05	38.05 2.43 -0.37	38.40 2.47 -0.07	42.35 2.69 -1.79	49.04 2.78 -8.19	43.36 2.74 -2.50	42.54 2.46 -2.17	36.65 2.11 0.00	32.03 1.90 0.00	29.57 1.82 -0.17	26.80 1.56 0.00
RANKINE____ 23646	26.05 0.46 0.00	24.14 0.45 0.00	22.93 0.29 0.00	21.85 0.34 0.00	21.97 0.26 0.00	24.03 0.56 0.00	26.38 0.84 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.06 -0.20 0.00	28.41 0.06 0.00	29.19 0.06 0.00	31.81 -0.19 -0.04	33.97 0.10 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.66 -0.38 -0.17	39.06 0.27 -0.71	38.86 0.50 -0.25	37.82 -0.30 -0.22	34.33 -0.21 0.00	30.22 0.09 0.00	27.69 0.11 0.00	25.76 0.53 0.00
RAVENSWOOD_GT2_1 24244	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.76 1.29 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.67 2.84 -0.86	36.91 2.98 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.26 3.03 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT2_2 24245	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.76 1.29 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.67 2.84 -0.86	36.91 2.98 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.26 3.03 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT2_3 24246	27.30 1.71 0.00	25.23 1.54 0.00	24.01 1.38 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.94 3.01 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.34 3.46 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT2_4 24247	27.30 1.71 0.00	25.23 1.54 0.00	24.01 1.38 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.94 3.01 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.34 3.46 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT3_1 24248	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.26 3.03 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT3_2 24249	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.30 1.93 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.76 3.10 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.26 3.03 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT3_3 24250	27.32 1.74 0.00	25.25 1.56 0.00	24.04 1.40 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.80 1.34 0.00	27.02 1.48 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.73 2.91 -0.86	36.98 3.05 -0.06	38.83 3.17 -0.40	39.13 3.19 -0.07	43.19 3.41 -1.91	50.38 3.50 -8.80	44.22 3.43 -2.68	43.34 3.11 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.19 2.43 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT3_4 24251	27.32 1.74 0.00	25.25 1.56 0.00	24.04 1.40 0.00	22.84 1.33 0.00	23.06 1.35 0.00	24.80 1.34 0.00	27.02 1.48 0.00	28.36 1.98 0.00	29.62 2.30 0.00	30.80 2.54 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.73 2.91 -0.86	36.98 3.05 -0.06	38.83 3.17 -0.40	39.13 3.19 -0.07	43.19 3.41 -1.91	50.38 3.50 -8.80	44.22 3.43 -2.68	43.34 3.11 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.19 2.43 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT_1 23729	27.45 1.87 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.95 1.44 0.00	23.04 1.32 0.00	24.83 1.36 0.00	26.99 1.45 0.00	28.30 1.92 0.00	29.60 2.27 0.00	30.77 2.51 0.00	30.74 2.38 0.00	31.66 2.47 -0.06	35.73 2.91 -0.86	36.94 3.01 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.00 3.22 -1.91	50.18 3.31 -8.79	44.02 3.24 -2.67	43.15 2.92 -2.33	37.10 2.56 0.00	32.54 2.41 0.00	30.14 2.37 -0.18	27.22 1.99 0.00



RAVENSWOOD_GT_10 24258	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.34 3.46 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT_11 24259	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.93 1.42 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.27 3.03 -2.33	37.16 2.62 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT_4 24252	27.27 1.69 0.00	25.23 1.54 0.00	24.04 1.40 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.37 3.50 -8.79	44.22 3.43 -2.67	43.33 3.11 -2.32	37.20 2.66 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT_5 24254	27.27 1.69 0.00	25.23 1.54 0.00	24.04 1.40 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.37 3.50 -8.79	44.22 3.43 -2.67	43.33 3.11 -2.32	37.20 2.66 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT_6 24253	27.27 1.69 0.00	25.23 1.54 0.00	24.04 1.40 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.37 3.50 -8.79	44.22 3.43 -2.67	43.33 3.11 -2.32	37.20 2.66 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT_7 24255	27.27 1.69 0.00	25.23 1.54 0.00	24.04 1.40 0.00	22.82 1.31 0.00	23.04 1.32 0.00	24.78 1.31 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.74 2.38 0.00	31.66 2.48 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.09 3.16 -0.07	43.15 3.37 -1.91	50.37 3.50 -8.79	44.22 3.43 -2.67	43.33 3.11 -2.32	37.20 2.66 0.00	32.57 2.44 0.00	30.16 2.40 -0.18	27.27 2.04 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.34 3.46 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD_GT_9 24257	27.27 1.69 0.00	25.21 1.52 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.78 1.31 0.00	26.97 1.43 0.00	28.33 1.95 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.06 3.12 -0.07	43.12 3.33 -1.91	50.34 3.46 -8.80	44.18 3.39 -2.68	43.30 3.07 -2.32	37.16 2.63 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD___1 23533	27.43 1.84 0.00	25.30 1.61 0.00	24.13 1.49 0.00	22.93 1.42 0.00	23.02 1.30 0.00	24.83 1.36 0.00	26.97 1.43 0.00	28.30 1.92 0.00	29.57 2.24 0.00	30.77 2.51 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.76 3.10 -0.40	39.02 3.08 -0.07	42.97 3.18 -1.91	50.14 3.27 -8.79	43.99 3.20 -2.67	43.11 2.88 -2.33	37.10 2.56 0.00	32.51 2.38 0.00	30.14 2.37 -0.18	27.22 1.99 0.00
RAVENSWOOD___2 23534	27.43 1.84 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.93 1.42 0.00	23.02 1.30 0.00	24.80 1.34 0.00	26.91 1.38 0.00	28.22 1.85 0.00	29.52 2.19 0.00	30.69 2.43 0.00	30.65 2.30 0.00	31.57 2.39 -0.06	35.64 2.81 -0.86	36.84 2.91 -0.06	38.69 3.03 -0.40	38.95 3.01 -0.07	42.70 2.92 -1.91	49.80 2.93 -8.79	43.72 2.93 -2.67	42.89 2.65 -2.33	36.99 2.45 0.00	32.45 2.32 0.00	30.05 2.29 -0.18	27.15 1.92 0.00
RAVENSWOOD___3 23535	27.40 1.82 0.00	25.30 1.61 0.00	24.15 1.52 0.00	22.93 1.42 0.00	23.04 1.32 0.00	24.87 1.41 0.00	27.07 1.53 0.00	28.36 1.98 0.00	29.60 2.27 0.00	30.74 2.49 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.70 2.88 -0.86	36.91 2.98 -0.06	38.79 3.14 -0.40	39.05 3.12 -0.07	43.12 3.33 -1.91	50.30 3.43 -8.80	44.15 3.35 -2.68	43.27 3.03 -2.33	37.16 2.62 0.00	32.57 2.44 0.00	30.14 2.37 -0.18	27.25 2.02 0.00
RAVENSWOOD___4 23820	27.43 1.84 0.00	25.28 1.59 0.00	24.13 1.49 0.00	22.90 1.40 0.00	23.02 1.30 0.00	24.80 1.34 0.00	26.94 1.40 0.00	28.28 1.90 0.00	29.57 2.24 0.00	30.74 2.49 0.00	30.68 2.33 0.00	31.60 2.42 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.72 3.07 -0.40	38.98 3.05 -0.07	42.93 3.14 -1.91	50.10 3.23 -8.79	43.94 3.16 -2.67	43.08 2.84 -2.33	37.06 2.52 0.00	32.51 2.38 0.00	30.11 2.34 -0.18	27.20 1.97 0.00
RCPL_TRUST___DRP 24196	27.30 1.71 0.00	25.23 1.54 0.00	24.06 1.43 0.00	22.86 1.35 0.00	23.08 1.37 0.00	24.83 1.36 0.00	27.07 1.53 0.00	28.41 2.03 0.00	29.68 2.35 0.00	30.86 2.60 0.00	30.82 2.47 0.00	31.75 2.56 -0.06	35.83 3.00 -0.86	37.04 3.12 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.27 3.48 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.66 2.53 0.00	30.22 2.45 -0.18	27.32 2.09 0.00
RED___ROCHESTER 323720	26.10 0.51 0.00	24.21 0.52 0.00	23.09 0.45 0.00	21.96 0.45 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.01 0.63 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.79 0.60 0.17	29.54 0.61 0.20	32.38 0.48 0.07	34.48 0.61 0.00	35.57 0.42 0.10	36.08 0.46 0.25	38.09 0.38 0.16	39.20 0.88 -0.25	39.10 1.03 0.04	38.71 0.68 -0.12	34.98 0.59 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
REGAN___SOLAR 323812	27.91 2.33 0.00	25.68 1.99 0.00	24.45 1.81 0.00	23.21 1.70 0.00	23.45 1.74 0.00	25.41 1.95 0.00	27.91 2.38 0.00	29.15 2.77 0.00	30.33 3.01 0.00	31.22 2.97 0.00	31.28 2.92 0.00	32.00 2.94 0.07	35.27 3.36 0.05	37.43 3.63 0.06	38.34 3.56 0.47	39.68 3.91 0.09	44.31 4.05 -2.38	51.48 4.57 -8.84	46.32 4.69 -3.52	45.63 4.66 -3.06	39.00 4.46 0.00	33.65 3.52 0.00	30.46 3.09 0.21	27.78 2.55 0.00



RENSSELAER___COGEN 23796	26.10 0.51 0.00	24.16 0.47 0.00	23.04 0.41 0.00	21.89 0.39 0.00	22.08 0.37 0.00	23.84 0.37 0.00	25.89 0.36 0.00	27.00 0.63 0.01	28.04 0.71 0.00	24.89 0.79 4.16	28.05 0.79 1.10	29.84 0.79 0.07	32.79 0.93 0.10	34.79 0.98 0.07	35.77 1.02 0.50	36.81 1.04 0.09	41.28 1.10 -2.31	47.74 1.18 -8.48	41.25 1.18 -1.96	41.99 1.10 -2.98	35.51 0.97 0.00	30.91 0.78 0.00	28.10 0.74 0.23	25.84 0.60 0.00
REPUBLIC_115KV_BARTNBRK 55605	28.12 2.53 0.00	25.80 2.11 0.00	24.51 1.88 0.00	23.21 1.70 0.00	23.49 1.78 0.00	25.48 2.02 0.00	28.04 2.50 0.00	29.52 3.14 -0.01	30.85 3.53 0.00	34.70 3.48 -2.97	32.80 3.66 -0.79	32.80 3.76 0.08	35.39 3.61 0.18	37.52 3.73 0.08	38.34 3.67 0.57	39.70 3.94 0.11	44.20 3.98 -2.35	51.05 4.49 -8.48	47.32 4.65 -4.55	45.61 4.66 -3.04	39.20 4.66 0.00	33.98 3.86 0.00	30.58 3.25 0.26	28.18 2.95 0.00
REVERE_CPPR_DRP 24186	26.20 0.61 0.00	24.21 0.52 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.10 0.63 0.00	26.25 0.72 0.00	27.12 0.74 0.00	28.22 0.74 -0.16	29.11 0.65 -0.20	29.25 0.68 -0.21	30.16 0.79 -0.24	32.82 0.74 -0.13	34.65 0.78 0.00	36.36 0.99 -0.12	37.28 1.11 -0.30	39.50 1.21 -0.41	40.06 1.37 -0.61	40.09 1.60 -0.37	39.40 1.36 -0.13	35.87 1.14 -0.19	30.94 0.81 0.00	28.37 0.66 -0.13	25.86 0.63 0.00
REYNOLDS_115KV_TB3 80639	26.20 0.61 0.00	24.31 0.62 0.00	23.15 0.52 0.00	22.00 0.49 0.00	22.26 0.54 0.00	23.96 0.49 0.00	26.02 0.49 0.00	27.13 0.76 0.01	28.20 0.87 0.00	23.91 0.99 5.34	27.91 0.96 1.42	30.01 0.96 0.08	32.89 1.12 0.20	34.94 1.15 0.08	35.91 1.23 0.58	37.01 1.26 0.11	41.50 1.33 -2.30	47.74 1.41 -8.26	41.10 1.45 -1.54	42.21 1.33 -2.97	35.71 1.17 0.00	31.09 0.96 0.00	28.23 0.91 0.26	26.01 0.78 0.00
RIVERBAY____ 323610	27.76 2.17 0.00	25.56 1.87 0.00	24.31 1.67 0.00	23.03 1.53 0.00	23.25 1.54 0.00	24.99 1.53 0.00	27.12 1.58 0.00	28.51 2.14 0.00	29.84 2.51 0.00	31.03 2.77 0.00	30.94 2.58 0.00	31.89 2.71 -0.06	35.99 3.16 -0.86	37.18 3.25 -0.06	39.04 3.38 -0.40	39.31 3.37 -0.07	43.27 3.48 -1.91	50.60 3.73 -8.79	44.33 3.54 -2.67	43.48 3.26 -2.32	37.37 2.83 0.00	32.81 2.68 0.00	30.47 2.70 -0.18	27.58 2.35 0.00
RIVERSDE_115KV_TB3 55908	26.12 0.54 0.00	24.23 0.54 0.00	23.09 0.45 0.00	21.92 0.41 0.00	22.17 0.46 0.00	23.89 0.42 0.00	25.97 0.43 0.00	27.08 0.71 0.01	28.15 0.82 0.00	24.62 0.90 4.54	28.06 0.91 1.20	29.95 0.90 0.08	32.90 1.09 0.15	34.88 1.08 0.07	35.87 1.16 0.54	36.98 1.22 0.10	41.43 1.25 -2.31	47.79 1.33 -8.38	41.31 1.37 -1.83	42.18 1.29 -2.98	35.64 1.11 0.00	31.06 0.93 0.00	28.19 0.85 0.24	25.94 0.71 0.00
ROARING___BROOK_WT_PWR 323790	25.64 0.05 0.00	23.74 0.05 0.00	22.66 0.02 0.00	21.55 0.04 0.00	21.74 0.02 0.00	23.49 0.02 0.00	25.56 0.03 0.00	26.43 0.05 0.00	27.41 0.08 0.00	28.34 0.09 0.00	28.47 0.11 0.00	29.24 0.12 0.00	32.09 0.13 0.00	34.01 0.14 0.00	35.39 0.14 0.00	35.97 0.11 0.00	37.98 0.11 0.00	38.23 0.15 0.00	38.26 0.15 0.00	37.95 0.04 0.00	34.57 0.03 0.00	30.19 0.06 0.00	27.66 0.08 0.00	25.31 0.08 0.00
ROCHESRG_115KV_T4 355643	25.97 0.38 0.00	24.05 0.36 0.00	22.95 0.32 0.00	21.85 0.34 0.00	21.97 0.26 0.00	23.93 0.47 0.00	26.33 0.79 0.00	26.72 0.34 0.00	27.33 0.14 0.14	28.17 0.08 0.18	28.43 0.26 0.18	29.18 0.26 0.21	32.05 0.16 0.07	34.14 0.27 0.00	35.25 0.11 0.11	35.70 0.11 0.27	37.80 0.11 0.18	38.83 0.53 -0.22	38.81 0.76 0.06	38.33 0.30 -0.12	34.55 0.17 0.16	30.43 0.30 0.00	27.66 0.19 0.12	25.63 0.40 0.00
ROCHESTER_9_IC 23652	26.07 0.49 0.00	24.14 0.45 0.00	23.04 0.41 0.00	21.94 0.43 0.00	22.06 0.35 0.00	24.03 0.56 0.00	26.48 0.94 0.00	26.91 0.53 0.00	27.53 0.33 0.13	28.35 0.25 0.16	28.64 0.45 0.17	29.40 0.47 0.20	32.28 0.38 0.07	34.38 0.51 0.00	35.47 0.32 0.10	35.94 0.32 0.25	38.02 0.30 0.16	39.08 0.76 -0.25	39.06 0.99 0.04	38.60 0.57 -0.13	34.80 0.41 0.15	30.64 0.51 0.00	27.83 0.36 0.11	25.76 0.53 0.00
ROCKVIEW_13_KV_LD 356306	27.30 1.71 0.00	25.25 1.56 0.00	24.01 1.38 0.00	22.80 1.29 0.00	23.02 1.30 0.00	24.80 1.34 0.00	26.99 1.46 0.00	28.33 1.95 0.00	29.57 2.24 0.00	30.71 2.46 0.00	30.71 2.35 0.00	31.63 2.45 -0.06	35.64 2.81 -0.86	36.87 2.95 -0.06	38.79 3.14 -0.40	39.13 3.19 -0.07	43.19 3.41 -1.91	50.38 3.50 -8.80	44.26 3.47 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.54 2.41 0.00	30.11 2.34 -0.18	27.25 2.02 0.00
ROME____115KV_TB2 80656	26.20 0.61 0.00	24.21 0.52 0.00	23.13 0.50 0.00	21.98 0.47 0.00	22.21 0.50 0.00	24.10 0.63 0.00	26.25 0.72 0.00	27.12 0.74 0.00	28.22 0.74 -0.16	29.11 0.65 -0.20	29.25 0.68 -0.21	30.16 0.79 -0.24	32.82 0.74 -0.13	34.65 0.78 0.00	36.36 0.99 -0.12	37.28 1.11 -0.30	39.50 1.21 -0.41	40.06 1.37 -0.61	40.09 1.60 -0.37	39.40 1.36 -0.13	35.87 1.14 -0.19	30.94 0.81 0.00	28.37 0.66 -0.13	25.86 0.63 0.00
ROSETON___1 23587	26.91 1.33 0.00	24.92 1.23 0.00	23.74 1.11 0.00	22.56 1.05 0.00	22.69 0.98 0.00	24.52 1.06 0.00	26.63 1.10 0.00	27.83 1.45 0.00	28.97 1.64 0.00	30.04 1.78 0.00	30.09 1.73 0.00	30.96 1.78 -0.05	34.85 2.08 -0.82	36.09 2.17 -0.05	37.90 2.29 -0.36	38.26 2.33 -0.07	42.24 2.46 -1.91	49.36 2.59 -8.70	43.35 2.55 -2.68	42.56 2.31 -2.34	36.54 2.00 0.00	31.91 1.78 0.00	29.46 1.71 -0.17	26.72 1.49 0.00
ROSETON___2 23588	26.91 1.33 0.00	24.92 1.23 0.00	23.74 1.11 0.00	22.56 1.05 0.00	22.69 0.98 0.00	24.52 1.06 0.00	26.63 1.10 0.00	27.83 1.45 0.00	28.97 1.64 0.00	30.04 1.78 0.00	30.09 1.73 0.00	30.96 1.78 -0.05	34.85 2.08 -0.82	36.09 2.17 -0.05	37.90 2.29 -0.36	38.26 2.33 -0.07	42.24 2.46 -1.91	49.36 2.59 -8.70	43.35 2.55 -2.68	42.56 2.31 -2.34	36.54 2.00 0.00	31.91 1.78 0.00	29.46 1.71 -0.17	26.72 1.49 0.00
ROTTTRDAM_115KV_TB3 80664	26.48 0.90 0.00	24.52 0.83 0.00	23.38 0.75 0.00	22.20 0.69 0.00	22.43 0.72 0.00	24.22 0.75 0.00	26.35 0.82 0.00	27.51 1.13 0.00	28.59 1.26 0.00	29.58 1.33 0.00	29.66 1.30 0.00	30.40 1.34 0.07	33.42 1.50 0.05	35.37 1.56 0.06	36.41 1.62 0.47	37.46 1.69 0.09	41.99 1.74 -2.38	48.78 1.87 -8.84	43.54 1.91 -3.52	42.78 1.82 -3.05	36.16 1.62 0.00	31.51 1.39 0.00	28.64 1.27 0.21	26.34 1.11 0.00
RUSSELL___1 23602	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00



RUSSELL___2 23532	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
RUSSELL___3 23549	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
RUSSELL___4 23556	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
RUSSELL___STATION 23914	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
S SALMON___HYD 24043	25.38 -0.21 0.00	23.48 -0.21 0.00	22.43 -0.20 0.00	21.33 -0.17 0.00	21.58 -0.13 0.00	23.35 -0.12 0.00	25.49 -0.05 0.00	26.11 -0.26 0.00	27.82 -0.33 -0.82	28.85 -0.45 -1.05	28.99 -0.45 -1.09	29.95 -0.44 -1.26	31.95 -0.64 -0.63	33.13 -0.75 0.00	35.18 -0.70 -0.64	36.84 -0.61 -1.59	39.15 -0.68 -1.96	39.97 -0.46 -2.35	39.42 -0.34 -1.65	37.75 -0.53 -0.37	34.96 -0.55 -0.97	29.68 -0.45 0.00	27.88 -0.39 -0.69	24.93 -0.30 0.00
S.PERRY___115KV_TB1 80734	26.74 1.15 0.00	24.76 1.07 0.00	23.65 1.02 0.00	22.50 0.99 0.00	22.63 0.91 0.00	24.69 1.22 0.00	27.37 1.84 0.00	27.91 1.53 0.00	28.61 1.28 0.00	29.39 1.13 0.00	29.66 1.30 0.00	30.41 1.28 0.00	32.89 0.89 -0.04	35.19 1.32 0.00	36.55 1.30 0.00	37.22 1.36 0.00	39.57 1.51 -0.18	40.96 2.13 -0.75	40.89 2.52 -0.26	40.14 2.01 -0.23	36.44 1.90 0.00	31.85 1.72 0.00	28.90 1.32 0.00	26.57 1.34 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	25.92 0.33 0.00	24.00 0.31 0.00	22.82 0.18 0.00	21.74 0.24 0.00	21.84 0.13 0.00	23.91 0.45 0.00	26.23 0.69 0.00	26.30 -0.08 0.00	26.97 -0.36 0.00	27.83 -0.42 0.00	28.19 -0.17 0.00	28.95 -0.17 0.00	31.58 -0.42 -0.03	33.67 -0.20 0.00	34.90 -0.35 0.00	35.50 -0.36 0.00	37.43 -0.61 -0.17	38.80 0.04 -0.69	38.62 0.27 -0.24	37.59 -0.53 -0.21	34.02 -0.52 0.00	29.98 -0.15 0.00	27.47 -0.11 0.00	25.61 0.38 0.00
SAWYER___23_KV_LOAD 55526	25.92 0.33 0.00	24.00 0.31 0.00	22.82 0.18 0.00	21.74 0.24 0.00	21.84 0.13 0.00	23.91 0.45 0.00	26.23 0.69 0.00	26.30 -0.08 0.00	26.97 -0.36 0.00	27.83 -0.42 0.00	28.19 -0.17 0.00	28.95 -0.17 0.00	31.58 -0.42 -0.03	33.67 -0.20 0.00	34.90 -0.35 0.00	35.50 -0.36 0.00	37.43 -0.61 -0.17	38.80 0.04 -0.69	38.62 0.27 -0.24	37.59 -0.53 -0.21	34.02 -0.52 0.00	29.98 -0.15 0.00	27.47 -0.11 0.00	25.61 0.38 0.00
SELKIRK___I 23801	26.40 0.82 0.00	24.42 0.74 0.00	23.31 0.68 0.00	22.15 0.64 0.00	22.34 0.63 0.00	24.12 0.66 0.00	26.20 0.66 0.00	27.30 0.92 0.01	28.34 1.01 0.00	26.89 1.10 2.47	28.78 1.08 0.65	30.16 1.08 0.05	33.31 1.28 -0.07	35.18 1.36 0.05	36.28 1.37 0.35	37.23 1.44 0.06	41.65 1.48 -2.30	48.40 1.56 -8.77	42.22 1.60 -2.51	42.37 1.52 -2.94	35.92 1.38 0.00	31.30 1.17 0.00	28.50 1.07 0.16	26.16 0.93 0.00
SELKIRK___II 23799	26.22 0.64 0.00	24.30 0.61 0.00	23.18 0.54 0.00	22.02 0.52 0.00	22.21 0.50 0.00	23.98 0.52 0.00	26.05 0.51 0.00	27.14 0.77 0.01	28.18 0.85 0.00	26.33 0.93 2.85	28.53 0.93 0.76	30.00 0.93 0.06	33.07 1.09 -0.02	34.97 1.15 0.05	36.05 1.20 0.40	37.01 1.22 0.07	41.48 1.29 -2.33	48.19 1.37 -8.75	41.90 1.37 -2.42	42.18 1.29 -2.98	35.68 1.14 0.00	31.06 0.93 0.00	28.31 0.91 0.18	25.99 0.76 0.00
SENECA OSWGO___HYD 24041	25.33 -0.26 0.00	23.45 -0.24 0.00	22.39 -0.25 0.00	21.29 -0.22 0.00	21.54 -0.17 0.00	23.28 -0.19 0.00	25.43 -0.10 0.00	25.98 -0.39 0.00	28.03 -0.46 -1.16	29.24 -0.51 -1.49	29.43 -0.48 -1.55	30.46 -0.47 -1.80	32.27 -0.57 -0.89	33.19 -0.68 0.00	35.49 -0.67 -0.91	37.48 -0.64 -2.26	39.99 -0.64 -2.76	40.82 -0.50 -3.24	40.01 -0.42 -2.32	37.80 -0.61 -0.50	35.34 -0.59 -1.38	29.68 -0.45 0.00	28.12 -0.44 -0.98	24.85 -0.38 0.00
SENECA___115KV_TB3 355854	26.10 0.51 0.00	24.16 0.47 0.00	22.95 0.32 0.00	21.89 0.39 0.00	22.02 0.30 0.00	24.08 0.61 0.00	26.43 0.89 0.00	26.54 0.16 0.00	27.22 -0.11 0.00	28.12 -0.14 0.00	28.47 0.11 0.00	29.24 0.12 0.00	31.87 -0.13 -0.04	34.04 0.17 0.00	35.25 0.00 0.00	35.86 0.00 0.00	37.74 -0.30 -0.17	39.13 0.34 -0.71	38.93 0.57 -0.25	37.90 -0.23 -0.22	34.40 -0.14 0.00	30.28 0.15 0.00	27.75 0.17 0.00	25.81 0.58 0.00
SENECA___ENERGY 23797	25.76 0.18 0.00	23.86 0.17 0.00	22.77 0.14 0.00	21.66 0.15 0.00	21.97 0.26 0.00	23.77 0.30 0.00	26.07 0.54 0.00	26.61 0.24 0.00	27.91 0.14 -0.45	28.91 0.09 -0.57	29.15 0.20 -0.60	30.02 0.21 -0.69	32.42 0.10 -0.36	34.01 0.14 0.00	35.63 0.04 -0.35	36.80 0.07 -0.87	39.11 0.08 -1.17	40.18 0.42 -1.69	39.69 0.53 -1.04	38.45 0.23 -0.32	35.31 0.24 -0.53	30.40 0.27 0.00	28.07 0.11 -0.38	25.43 0.20 0.00
SHOEMAKER___GT 23640	26.68 1.10 0.00	24.71 1.02 0.00	23.56 0.93 0.00	22.37 0.86 0.00	22.54 0.82 0.00	24.33 0.87 0.00	26.45 0.92 0.00	27.51 1.13 0.00	28.59 1.26 0.00	29.64 1.38 0.00	29.69 1.33 0.00	30.54 1.37 -0.05	34.27 1.60 -0.71	35.57 1.66 -0.04	37.37 1.80 -0.32	37.75 1.83 -0.06	41.43 1.93 -1.63	47.57 2.05 -7.44	42.45 2.06 -2.29	41.76 1.86 -1.99	36.16 1.62 0.00	31.54 1.42 0.00	29.08 1.35 -0.15	26.42 1.19 0.00
SHOEMAKR_138KV_BK 111 55601	26.61 1.02 0.00	24.64 0.95 0.00	23.49 0.86 0.00	22.30 0.80 0.00	22.54 0.83 0.00	24.29 0.82 0.00	26.38 0.84 0.00	27.51 1.13 0.00	28.61 1.28 0.00	29.67 1.41 0.00	29.72 1.36 0.00	30.57 1.40 -0.04	34.29 1.63 -0.70	35.61 1.69 -0.04	37.40 1.83 -0.32	37.78 1.86 -0.06	41.49 2.01 -1.61	47.55 2.13 -7.35	42.50 2.13 -2.26	41.76 1.90 -1.96	36.16 1.62 0.00	31.57 1.45 0.00	29.10 1.38 -0.14	26.44 1.21 0.00



SHOREHAM_IC_1 23715	33.50 3.28 -4.64	29.49 2.98 -2.82	25.26 2.62 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.21 2.74 0.00	30.53 3.04 -1.95	33.72 3.54 -3.80	34.21 3.83 -3.05	34.94 3.96 -2.72	40.24 3.66 -8.23	41.65 3.78 -8.73	44.19 4.35 -7.89	45.46 4.61 -6.98	52.78 4.79 -12.74	78.07 4.95 -37.26	133.12 5.23 -90.03	133.99 5.37 -90.54	110.46 5.34 -67.01	69.46 5.04 -26.51	50.03 4.56 -10.93	44.85 4.04 -10.69	32.12 3.75 -0.79	35.01 3.30 -6.48
SHOREHAM_IC_2 23716	33.50 3.28 -4.64	29.49 2.98 -2.82	25.26 2.62 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.21 2.74 0.00	30.53 3.04 -1.95	33.72 3.54 -3.80	34.21 3.83 -3.05	34.94 3.96 -2.72	40.24 3.66 -8.23	41.65 3.78 -8.73	44.19 4.35 -7.89	45.46 4.61 -6.98	52.78 4.79 -12.74	78.07 4.95 -37.26	133.12 5.23 -90.03	133.99 5.37 -90.54	110.46 5.34 -67.01	69.46 5.04 -26.51	50.03 4.56 -10.93	44.85 4.04 -10.69	32.12 3.75 -0.79	35.01 3.30 -6.48
SISSONVILLE____ 23735	25.18 -0.41 0.00	23.29 -0.40 0.00	22.39 -0.25 0.00	21.27 -0.24 0.00	21.41 -0.30 0.00	23.02 -0.45 0.00	24.80 -0.74 0.00	25.67 -0.71 0.00	26.64 -0.79 -0.11	27.38 -1.02 -0.14	27.42 -1.08 -0.14	28.13 -1.17 -0.17	30.76 -1.28 -0.08	32.52 -1.35 0.00	33.85 -1.48 -0.08	34.56 -1.51 -0.21	36.56 -1.55 -0.25	36.70 -1.64 -0.26	36.64 -1.68 -0.20	36.54 -1.40 -0.04	33.53 -1.14 -0.13	29.01 -1.11 0.00	26.73 -0.94 -0.09	24.55 -0.68 0.00
SITHE_IND_GS1 24169	25.02 -0.56 0.00	23.17 -0.52 0.00	22.14 -0.50 0.00	21.03 -0.47 0.00	21.28 -0.43 0.00	23.00 -0.47 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.87 -0.82 3.64	22.69 -0.91 4.66	22.66 -0.85 4.85	22.64 -0.87 5.61	28.24 -1.02 2.69	32.79 -1.09 0.00	31.28 -1.13 2.84	27.69 -1.11 7.06	28.44 -1.17 8.26	28.44 -1.07 8.57	30.42 -0.99 6.70	35.66 -1.14 1.11	29.14 -1.07 4.33	29.25 -0.87 0.00	23.69 -0.83 3.06	24.50 -0.73 0.00
SITHE_IND_GS2 24170	25.02 -0.56 0.00	23.17 -0.52 0.00	22.14 -0.50 0.00	21.03 -0.47 0.00	21.28 -0.43 0.00	23.00 -0.47 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.87 -0.82 3.64	22.69 -0.91 4.66	22.66 -0.85 4.85	22.64 -0.87 5.61	28.24 -1.02 2.69	32.79 -1.09 0.00	31.28 -1.13 2.84	27.69 -1.11 7.06	28.44 -1.17 8.26	28.44 -1.07 8.57	30.42 -0.99 6.70	35.66 -1.14 1.11	29.14 -1.07 4.33	29.25 -0.87 0.00	23.69 -0.83 3.06	24.50 -0.73 0.00
SITHE_IND_GS3 24171	25.02 -0.56 0.00	23.17 -0.52 0.00	22.14 -0.50 0.00	21.03 -0.47 0.00	21.28 -0.43 0.00	23.00 -0.47 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.87 -0.82 3.64	22.69 -0.91 4.66	22.66 -0.85 4.85	22.64 -0.87 5.61	28.24 -1.02 2.69	32.79 -1.09 0.00	31.28 -1.13 2.84	27.69 -1.11 7.06	28.44 -1.17 8.26	28.44 -1.07 8.57	30.42 -0.99 6.70	35.66 -1.14 1.11	29.14 -1.07 4.33	29.25 -0.87 0.00	23.69 -0.83 3.06	24.50 -0.73 0.00
SITHE_IND_GS4 24172	25.02 -0.56 0.00	23.17 -0.52 0.00	22.14 -0.50 0.00	21.03 -0.47 0.00	21.28 -0.43 0.00	23.00 -0.47 0.00	25.08 -0.46 0.00	25.64 -0.74 0.00	22.87 -0.82 3.64	22.69 -0.91 4.66	22.66 -0.85 4.85	22.64 -0.87 5.61	28.24 -1.02 2.69	32.79 -1.09 0.00	31.28 -1.13 2.84	27.69 -1.11 7.06	28.44 -1.17 8.26	28.44 -1.07 8.57	30.42 -0.99 6.70	35.66 -1.14 1.11	29.14 -1.07 4.33	29.25 -0.87 0.00	23.69 -0.83 3.06	24.50 -0.73 0.00
SITHE____BATAVIA 24024	26.20 0.61 0.00	24.33 0.64 0.00	23.16 0.52 0.00	22.04 0.54 0.00	22.43 0.72 0.00	24.26 0.80 0.00	26.84 1.30 0.00	27.12 0.74 0.00	27.79 0.46 0.00	28.65 0.40 0.00	29.01 0.65 0.00	29.77 0.64 0.00	32.47 0.48 -0.03	34.51 0.64 0.00	35.71 0.46 0.00	36.36 0.50 0.00	38.25 0.23 -0.15	39.61 0.91 -0.63	39.44 1.11 -0.22	38.66 0.57 -0.18	35.16 0.62 0.00	30.88 0.75 0.00	28.13 0.55 0.00	26.06 0.83 0.00
SITHE____INDEPEND 23800	25.10 -0.49 0.00	23.24 -0.45 0.00	22.20 -0.43 0.00	21.10 -0.41 0.00	21.30 -0.41 0.00	23.07 -0.40 0.00	25.15 -0.38 0.00	25.67 -0.71 0.00	22.87 -0.82 3.64	22.69 -0.90 4.66	22.66 -0.85 4.85	22.64 -0.87 5.61	28.24 -1.02 2.69	32.79 -1.08 0.00	31.31 -1.09 2.84	27.69 -1.11 7.06	28.44 -1.17 8.26	28.48 -1.03 8.57	30.46 -0.95 6.70	35.70 -1.10 1.11	29.18 -1.04 4.33	29.25 -0.87 0.00	23.69 -0.83 3.06	24.50 -0.73 0.00
SITHE____MASSENA 23902	25.25 -0.33 0.00	23.36 -0.33 0.00	22.45 -0.18 0.00	21.29 -0.22 0.00	21.50 -0.22 0.00	23.18 -0.28 0.00	25.15 -0.38 0.00	26.03 -0.34 0.00	26.95 -0.38 0.00	27.80 -0.45 0.00	27.88 -0.48 0.00	28.60 -0.52 0.00	31.39 -0.57 0.00	33.30 -0.58 0.00	34.58 -0.67 0.00	35.14 -0.72 0.00	37.15 -0.72 0.00	37.20 -0.87 0.00	37.16 -0.95 0.00	37.23 -0.68 0.00	34.02 -0.52 0.00	29.62 -0.51 0.00	27.14 -0.44 0.00	24.83 -0.40 0.00
SITHE____OGDNSBRG 24021	25.35 -0.23 0.00	23.45 -0.24 0.00	22.54 -0.09 0.00	21.40 -0.11 0.00	21.58 -0.13 0.00	23.28 -0.19 0.00	25.18 -0.36 0.00	26.11 -0.26 0.00	27.00 -0.33 0.00	27.75 -0.51 0.00	27.82 -0.54 0.00	28.57 -0.55 0.00	31.32 -0.64 0.00	33.19 -0.68 0.00	34.54 -0.70 0.00	35.14 -0.72 0.00	37.15 -0.72 0.00	37.24 -0.84 0.00	37.27 -0.84 0.00	37.34 -0.57 0.00	34.16 -0.38 0.00	29.62 -0.51 0.00	27.14 -0.44 0.00	24.88 -0.35 0.00
SITHE____STERLING 23777	26.10 0.51 0.00	24.16 0.47 0.00	23.06 0.43 0.00	21.91 0.41 0.00	22.17 0.46 0.00	24.01 0.54 0.00	26.17 0.64 0.00	26.99 0.61 0.00	28.12 0.63 -0.17	29.03 0.56 -0.21	29.15 0.57 -0.22	30.06 0.67 -0.26	32.74 0.64 -0.14	34.51 0.64 0.00	36.19 0.81 -0.13	37.08 0.90 -0.32	39.30 0.98 -0.45	39.89 1.14 -0.68	39.77 1.26 -0.41	39.10 1.06 -0.14	35.63 0.90 -0.20	30.79 0.66 0.00	28.27 0.55 -0.14	25.76 0.53 0.00
SLEIGHT__34_KV_TB1 80719	26.45 0.87 0.00	24.47 0.78 0.00	23.40 0.77 0.00	22.26 0.75 0.00	22.47 0.76 0.00	24.40 0.94 0.00	26.86 1.33 0.00	27.43 1.06 0.00	28.63 0.96 -0.34	29.66 0.96 -0.44	29.89 1.08 -0.46	30.80 1.14 -0.53	33.36 1.12 -0.28	35.12 1.25 0.00	36.82 1.30 -0.27	37.82 1.29 -0.67	40.23 1.44 -0.92	41.27 1.79 -1.40	40.93 1.98 -0.84	39.78 1.59 -0.28	36.33 1.38 -0.41	31.33 1.21 0.00	28.78 0.91 -0.29	26.11 0.88 0.00
SOUTH CAIRO____GT 23612	26.66 1.07 0.00	24.57 0.88 0.00	23.45 0.81 0.00	22.28 0.77 0.00	22.49 0.78 0.00	24.26 0.80 0.00	26.48 0.95 0.00	27.72 1.34 0.01	28.39 1.06 0.00	27.10 1.24 2.40	28.97 1.25 0.64	30.29 1.19 0.04	33.62 1.50 -0.16	35.16 1.32 0.04	36.54 1.55 0.26	37.50 1.69 0.05	41.85 1.78 -2.20	48.67 2.05 -8.54	42.69 2.21 -2.37	42.49 1.78 -2.80	36.44 1.90 0.00	31.54 1.42 0.00	28.87 1.41 0.12	26.34 1.11 0.00
SOUTH HAMPTN____IC 23720	34.14 3.91 -4.64	30.08 3.58 -2.82	25.78 3.15 0.00	24.41 2.90 0.00	24.62 2.91 0.00	26.75 3.28 0.00	31.14 3.65 -1.95	34.35 4.17 -3.80	34.89 4.51 -3.05	35.70 4.72 -2.72	41.06 4.66 -8.19	42.40 4.51 -8.61	45.01 5.31 -7.74	46.43 5.69 -6.87	53.93 5.92 -12.76	79.26 6.06 -37.33	134.49 6.40 -90.22	134.41 6.59 -89.75	111.78 6.52 -67.15	70.65 6.18 -26.56	51.02 5.52 -10.95	45.51 4.88 -10.50	32.81 4.44 -0.79	35.65 3.93 -6.48



SOUTHDOW_115KV_TB1 355954	26.74 1.15 0.00	24.76 1.07 0.00	23.49 0.86 0.00	22.39 0.88 0.00	22.60 0.89 0.00	24.73 1.27 0.00	27.22 1.69 0.00	27.49 1.11 0.00	28.04 0.71 0.00	28.99 0.73 0.00	29.38 1.02 0.00	30.18 1.05 0.00	32.86 0.86 -0.04	35.09 1.22 0.00	36.31 1.06 0.00	36.94 1.08 0.00	38.77 0.72 -0.18	40.25 1.41 -0.76	40.02 1.64 -0.27	38.86 0.72 -0.23	35.40 0.86 0.00	31.09 0.96 0.00	28.41 0.83 0.00	26.27 1.03 0.00
SOUTHOLD_69_KV_BK 2 55809	34.60 4.37 -4.64	30.51 4.00 -2.82	26.12 3.49 0.00	24.69 3.18 0.00	25.04 3.32 0.00	27.15 3.68 0.00	31.60 4.11 -1.95	34.93 4.75 -3.80	35.55 5.17 -3.05	36.43 5.45 -2.72	41.79 5.25 -8.19	43.19 5.45 -8.61	45.87 6.17 -7.74	45.19 6.67 -4.64	54.91 6.91 -12.75	80.31 7.14 -37.31	135.57 7.54 -90.17	135.53 7.73 -89.72	112.85 7.62 -67.12	71.72 7.28 -26.54	51.98 6.49 -10.95	46.32 5.69 -10.50	33.44 5.07 -0.79	36.20 4.49 -6.48
SOUTHOLD___IC 23719	34.73 4.50 -4.64	30.60 4.10 -2.82	26.23 3.60 0.00	24.86 3.35 0.00	25.05 3.34 0.00	27.24 3.78 0.00	31.70 4.21 -1.95	34.95 4.78 -3.80	35.55 5.17 -3.05	36.43 5.45 -2.72	41.79 5.25 -8.19	43.19 5.45 -8.61	45.90 6.20 -7.74	47.41 6.67 -6.87	54.95 6.95 -12.75	80.31 7.14 -37.31	135.57 7.54 -90.17	135.49 7.69 -89.72	112.81 7.59 -67.12	71.74 7.28 -26.55	51.94 6.46 -10.95	46.33 5.70 -10.50	33.44 5.07 -0.79	36.20 4.49 -6.48
SPIERFLS_115KV_TB 1 80737	26.63 1.05 0.00	24.54 0.85 0.00	23.38 0.75 0.00	22.17 0.67 0.00	22.43 0.72 0.00	24.26 0.80 0.00	26.51 0.97 0.00	27.89 1.50 -0.01	29.08 1.75 0.00	32.69 1.75 -2.69	30.83 1.76 -0.71	30.85 1.81 0.08	33.49 1.69 0.17	35.52 1.73 0.08	36.31 1.62 0.56	37.41 1.65 0.10	41.89 1.67 -2.36	48.57 1.98 -8.52	44.63 2.06 -4.46	42.95 2.01 -3.04	36.47 1.93 0.00	31.85 1.72 0.00	28.79 1.46 0.25	26.64 1.41 0.00
ST LAWRENCE____ 23600	25.02 -0.56 0.00	23.17 -0.52 0.00	22.20 -0.43 0.00	21.10 -0.41 0.00	21.28 -0.43 0.00	23.00 -0.47 0.00	24.97 -0.56 0.00	25.85 -0.53 0.00	26.75 -0.58 0.00	27.63 -0.62 0.00	27.73 -0.62 0.00	28.46 -0.67 0.00	31.23 -0.73 0.00	33.13 -0.75 0.00	34.40 -0.85 0.00	35.00 -0.86 0.00	36.96 -0.91 0.00	36.97 -1.11 0.00	36.97 -1.14 0.00	37.00 -0.91 0.00	33.81 -0.73 0.00	29.44 -0.69 0.00	26.97 -0.61 0.00	24.65 -0.58 0.00
STATE_CA_115KV_115_LB 55624	26.15 0.56 0.00	24.23 0.54 0.00	23.09 0.45 0.00	21.92 0.41 0.00	22.17 0.46 0.00	23.89 0.42 0.00	25.97 0.43 0.00	27.14 0.76 0.01	28.18 0.85 0.00	25.68 0.96 3.53	28.38 0.96 0.94	30.02 0.96 0.07	32.96 1.12 0.12	34.95 1.15 0.07	35.93 1.20 0.51	37.02 1.26 0.09	41.52 1.33 -2.33	47.98 1.41 -8.50	41.76 1.45 -2.20	42.23 1.33 -2.99	35.75 1.21 0.00	31.09 0.96 0.00	28.23 0.88 0.23	25.96 0.73 0.00
STATE_ST_34_KV_LOAD 55959	25.94 0.36 0.00	24.00 0.31 0.00	22.93 0.29 0.00	21.79 0.28 0.00	22.02 0.30 0.00	23.89 0.42 0.00	26.17 0.64 0.00	26.69 0.32 0.00	28.13 0.25 -0.55	29.19 0.23 -0.71	29.40 0.31 -0.73	30.33 0.35 -0.85	32.69 0.29 -0.44	34.24 0.37 0.00	36.10 0.42 -0.43	37.33 0.39 -1.07	39.77 0.49 -1.41	40.77 0.76 -1.94	40.23 0.88 -1.24	38.80 0.53 -0.36	35.64 0.45 -0.66	30.55 0.42 0.00	28.29 0.25 -0.46	25.51 0.28 0.00
STATION 5_MISC_HYD 23604	26.02 0.43 0.00	24.14 0.45 0.00	23.02 0.38 0.00	21.89 0.39 0.00	22.21 0.50 0.00	24.03 0.56 0.00	26.45 0.92 0.00	26.88 0.50 0.00	27.53 0.33 0.13	28.35 0.25 0.16	28.64 0.45 0.17	29.40 0.46 0.20	32.21 0.32 0.07	34.31 0.44 0.00	35.43 0.28 0.10	35.90 0.29 0.25	37.91 0.19 0.16	39.01 0.69 -0.25	38.91 0.84 0.04	38.48 0.46 -0.12	34.77 0.38 0.15	30.64 0.51 0.00	27.83 0.36 0.11	25.76 0.53 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	26.20 0.61 0.00	24.26 0.57 0.00	23.18 0.54 0.00	22.04 0.54 0.00	22.21 0.50 0.00	24.17 0.70 0.00	26.63 1.10 0.00	27.17 0.79 0.00	27.96 0.63 0.00	28.85 0.59 0.00	29.12 0.77 0.00	29.89 0.76 0.00	32.69 0.70 -0.03	34.68 0.81 0.00	35.92 0.67 0.00	36.54 0.68 0.00	38.73 0.72 -0.14	39.74 1.10 -0.56	39.64 1.33 -0.20	39.03 0.95 -0.17	35.40 0.86 0.00	30.94 0.81 0.00	28.16 0.58 0.00	25.86 0.63 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	26.07 0.49 0.00	24.14 0.45 0.00	23.04 0.41 0.00	21.94 0.43 0.00	22.06 0.35 0.00	24.03 0.56 0.00	26.48 0.94 0.00	26.93 0.55 0.00	27.56 0.36 0.12	28.41 0.31 0.16	28.71 0.51 0.16	29.46 0.52 0.19	32.35 0.45 0.06	34.41 0.54 0.00	35.54 0.39 0.10	36.02 0.39 0.24	38.10 0.38 0.14	39.13 0.80 -0.26	39.11 1.03 0.03	38.64 0.61 -0.13	34.88 0.48 0.14	30.67 0.54 0.00	27.84 0.36 0.10	25.76 0.53 0.00
STA_56___34_KV_BUS2 355983	26.07 0.49 0.00	24.14 0.45 0.00	23.04 0.41 0.00	21.94 0.43 0.00	22.06 0.35 0.00	24.03 0.56 0.00	26.48 0.94 0.00	26.93 0.55 0.00	27.56 0.36 0.12	28.41 0.31 0.16	28.71 0.51 0.16	29.46 0.52 0.19	32.35 0.45 0.06	34.41 0.54 0.00	35.54 0.39 0.10	36.02 0.39 0.24	38.10 0.38 0.14	39.13 0.80 -0.26	39.11 1.03 0.03	38.64 0.61 -0.13	34.88 0.48 0.14	30.67 0.54 0.00	27.84 0.36 0.10	25.76 0.53 0.00
STA_67___115KV_BK2 355882	26.02 0.43 0.00	24.12 0.43 0.00	23.00 0.36 0.00	21.89 0.39 0.00	22.02 0.30 0.00	23.98 0.52 0.00	26.43 0.89 0.00	26.83 0.45 0.00	27.45 0.25 0.13	28.29 0.20 0.16	28.58 0.40 0.17	29.34 0.41 0.20	32.18 0.29 0.07	34.28 0.41 0.00	35.40 0.25 0.10	35.86 0.25 0.25	37.94 0.23 0.16	39.00 0.69 -0.24	38.98 0.91 0.05	38.49 0.45 -0.13	34.73 0.35 0.15	30.58 0.45 0.00	27.78 0.30 0.11	25.71 0.48 0.00
STA_7___115KV_9TRANS 80674	26.15 0.56 0.00	24.21 0.52 0.00	23.11 0.48 0.00	22.00 0.49 0.00	22.13 0.41 0.00	24.10 0.63 0.00	26.58 1.05 0.00	27.04 0.66 0.00	27.67 0.46 0.13	28.49 0.40 0.16	28.78 0.60 0.17	29.54 0.61 0.20	32.44 0.54 0.07	34.55 0.68 0.00	35.64 0.49 0.10	36.12 0.50 0.25	38.21 0.49 0.16	39.28 0.95 -0.25	39.29 1.22 0.04	38.79 0.76 -0.13	35.01 0.62 0.15	30.82 0.69 0.00	27.94 0.47 0.11	25.86 0.63 0.00
STA_82___115KV_TB1 80780	26.05 0.46 0.00	24.12 0.43 0.00	23.02 0.38 0.00	21.92 0.41 0.00	22.04 0.33 0.00	24.01 0.54 0.00	26.46 0.92 0.00	26.85 0.47 0.00	27.48 0.27 0.12	28.30 0.20 0.15	28.60 0.40 0.16	29.35 0.41 0.18	32.22 0.32 0.06	34.31 0.44 0.00	35.44 0.28 0.09	35.92 0.29 0.23	38.00 0.27 0.14	39.07 0.72 -0.27	39.04 0.95 0.03	38.53 0.49 -0.13	34.74 0.35 0.14	30.58 0.45 0.00	27.78 0.30 0.10	25.74 0.50 0.00
STEEL___WIND 323596	26.07 0.48 0.00	24.21 0.52 0.00	22.93 0.29 0.00	21.83 0.32 0.00	22.28 0.56 0.00	24.10 0.63 0.00	26.45 0.92 0.00	26.51 0.13 0.00	27.19 -0.14 0.00	28.09 -0.17 0.00	28.44 0.09 0.00	29.22 0.09 0.00	31.90 -0.10 -0.04	33.94 0.07 0.00	35.18 -0.07 0.00	35.83 -0.04 0.00	37.59 -0.45 -0.17	39.02 0.23 -0.71	38.70 0.34 -0.25	37.77 -0.34 -0.20	34.33 -0.21 0.00	30.25 0.12 0.00	27.72 0.14 0.00	25.79 0.55 0.00



STEPHTWN_115KV_BK_2 55603	26.30 0.72 0.00	24.35 0.66 0.00	23.18 0.54 0.00	22.02 0.52 0.00	22.30 0.59 0.00	24.03 0.56 0.00	26.20 0.66 0.00	27.32 0.95 0.01	28.39 1.07 0.00	25.26 1.16 4.16	28.47 1.22 1.10	30.31 1.25 0.07	33.30 1.44 0.10	35.26 1.46 0.07	36.30 1.55 0.50	37.42 1.65 0.09	41.85 1.67 -2.31	48.42 1.87 -8.48	41.94 1.87 -1.96	42.63 1.74 -2.97	36.16 1.62 0.00	31.42 1.30 0.00	28.51 1.16 0.23	26.21 0.98 0.00
STEUBEN_REC_LFGE 323667	26.61 1.02 0.00	24.61 0.92 0.00	23.45 0.81 0.00	22.32 0.82 0.00	22.54 0.83 0.00	24.59 1.13 0.00	27.04 1.51 0.00	27.41 1.03 0.00	28.30 0.85 -0.12	29.23 0.82 -0.16	29.51 0.99 -0.16	30.37 1.05 -0.19	32.96 0.86 -0.14	35.02 1.15 0.00	36.51 1.16 -0.10	37.28 1.18 -0.24	39.51 1.14 -0.51	41.02 1.71 -1.23	40.65 1.98 -0.55	39.44 1.21 -0.32	35.89 1.21 -0.15	31.33 1.21 0.00	28.68 0.99 -0.10	26.39 1.16 0.00
STONY__BROOK 24151	33.09 2.86 -4.64	29.11 2.61 -2.82	24.92 2.29 0.00	23.62 2.11 0.00	23.80 2.08 0.00	25.86 2.39 0.00	30.12 2.63 -1.95	33.30 3.11 -3.81	33.77 3.39 -3.06	34.56 3.56 -2.74	40.26 3.32 -8.59	42.02 3.44 -9.45	44.50 3.80 -8.74	45.47 3.96 -7.64	52.70 4.16 -13.29	79.18 4.16 -39.16	136.98 4.35 -94.75	142.63 4.53 -100.02	113.12 4.46 -70.55	69.97 4.21 -27.85	49.84 3.83 -11.47	45.27 3.37 -11.77	31.76 3.36 -0.81	34.90 2.98 -6.69
STURGEON_POOL_HYD 23609	26.91 1.33 0.00	24.90 1.21 0.00	23.74 1.11 0.00	22.54 1.03 0.00	22.76 1.04 0.00	24.47 1.01 0.00	26.58 1.05 0.00	27.83 1.45 0.00	28.97 1.64 0.00	29.60 1.92 0.58	30.08 1.87 0.15	31.04 1.89 -0.02	34.78 2.27 -0.55	36.02 2.13 -0.02	37.88 2.50 -0.13	38.43 2.55 -0.02	42.55 2.76 -1.92	49.15 2.86 -8.22	43.51 2.86 -2.53	42.52 2.24 -2.37	36.54 2.00 0.00	31.94 1.81 0.00	29.52 1.88 -0.06	26.80 1.56 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	26.76 1.18 0.00	24.78 1.09 0.00	23.61 0.97 0.00	22.41 0.90 0.00	22.65 0.93 0.00	24.38 0.92 0.00	26.51 0.97 0.00	27.72 1.35 0.00	28.86 1.53 0.00	29.92 1.67 0.00	29.97 1.62 0.00	30.84 1.66 -0.05	34.65 1.95 -0.74	35.95 2.03 -0.05	37.74 2.15 -0.34	38.11 2.19 -0.06	41.91 2.35 -1.70	48.30 2.47 -7.75	42.97 2.48 -2.38	42.17 2.20 -2.06	36.44 1.90 0.00	31.82 1.69 0.00	29.33 1.60 -0.15	26.64 1.41 0.00
SWANROAD_115KV_TB1 355699	25.61 0.03 0.00	23.71 0.02 0.00	22.52 -0.11 0.00	21.49 -0.02 0.00	21.56 -0.15 0.00	23.61 0.14 0.00	25.92 0.38 0.00	25.96 -0.42 0.00	26.59 -0.74 0.00	27.44 -0.82 0.00	27.76 -0.60 0.00	28.52 -0.61 0.00	31.10 -0.89 -0.03	33.16 -0.71 0.00	34.37 -0.88 0.00	34.93 -0.93 0.00	36.90 -1.14 -0.16	38.21 -0.53 -0.67	38.08 -0.27 -0.23	37.09 -1.02 -0.20	33.50 -1.04 0.00	29.56 -0.57 0.00	27.11 -0.47 0.00	25.31 0.08 0.00
SYNERGY__BIOGAS 323694	26.20 0.61 0.00	24.33 0.64 0.00	23.16 0.52 0.00	22.04 0.54 0.00	22.43 0.72 0.00	24.26 0.80 0.00	26.84 1.30 0.00	27.12 0.74 0.00	27.79 0.46 0.00	28.65 0.40 0.00	29.01 0.65 0.00	29.77 0.64 0.00	32.47 0.48 -0.03	34.51 0.64 0.00	35.71 0.46 0.00	36.36 0.50 0.00	38.25 0.23 -0.15	39.61 0.91 -0.63	39.44 1.11 -0.22	38.66 0.57 -0.18	35.16 0.62 0.00	30.88 0.75 0.00	28.13 0.55 0.00	26.06 0.83 0.00
SYRACUSE__ENERGY_ST1 323597	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
SYRACUSE__ENERGY_ST2 323598	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.58 0.12 0.00	25.77 0.23 0.00	26.33 -0.05 0.00	27.80 -0.14 -0.61	28.84 -0.20 -0.78	28.99 -0.17 -0.81	29.92 -0.15 -0.94	32.21 -0.22 -0.48	33.67 -0.20 0.00	35.55 -0.18 -0.47	36.86 -0.18 -1.18	39.22 -0.15 -1.50	40.07 0.04 -1.96	39.57 0.15 -1.30	38.18 -0.08 -0.35	35.12 -0.14 -0.72	30.04 -0.09 0.00	27.95 -0.14 -0.51	25.16 -0.08 0.00
SYRACUSE__POWER 24017	25.61 0.03 0.00	23.71 0.02 0.00	22.63 0.00 0.00	21.51 0.00 0.00	21.71 0.00 0.00	23.54 0.07 0.00	25.72 0.18 0.00	26.27 -0.11 0.00	27.52 -0.19 -0.38	28.49 -0.25 -0.48	28.63 -0.23 -0.50	29.48 -0.23 -0.58	31.95 -0.32 -0.31	33.57 -0.30 0.00	35.26 -0.28 -0.30	36.31 -0.29 -0.73	38.63 -0.23 -0.99	39.46 -0.04 -1.42	39.07 0.08 -0.88	37.99 -0.19 -0.28	34.75 -0.24 -0.45	29.95 -0.18 0.00	27.68 -0.22 -0.32	25.10 -0.13 0.00
TALLMAN__138KV_BK151 55660	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.05 2.30 -0.79	36.33 2.40 -0.05	38.19 2.57 -0.36	38.55 2.62 -0.07	42.45 2.80 -1.78	49.12 2.89 -8.15	43.50 2.90 -2.49	42.65 2.58 -2.16	36.75 2.21 0.00	32.12 1.99 0.00	29.65 1.90 -0.16	26.87 1.64 0.00
TEALLAVE_115KV_TB7 355573	25.56 -0.03 0.00	23.64 -0.05 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.47 0.00 0.00	25.64 0.10 0.00	26.17 -0.21 0.00	27.33 -0.30 -0.30	28.27 -0.37 -0.38	28.39 -0.37 -0.40	29.24 -0.35 -0.46	31.76 -0.45 -0.24	33.43 -0.44 0.00	35.06 -0.42 -0.23	36.01 -0.43 -0.58	38.24 -0.42 -0.79	39.00 -0.23 -1.16	38.67 -0.15 -0.71	37.76 -0.38 -0.23	34.48 -0.41 -0.35	29.80 -0.33 0.00	27.50 -0.33 -0.25	25.03 -0.20 0.00
TELGRAPH_34_KV_EAST 80808	26.02 0.43 0.00	24.09 0.40 0.00	22.93 0.29 0.00	21.85 0.34 0.00	21.93 0.22 0.00	24.01 0.54 0.00	26.48 0.94 0.00	26.64 0.26 0.00	27.30 -0.03 0.00	28.14 -0.11 0.00	28.53 0.17 0.00	29.27 0.15 0.00	31.96 -0.03 0.00	34.04 0.17 0.00	35.21 -0.04 0.00	35.83 -0.04 0.00	37.80 -0.23 -0.16	39.13 0.42 -0.64	39.02 0.69 -0.22	38.06 -0.04 -0.19	34.47 -0.07 0.00	30.34 0.21 0.00	27.72 0.14 0.00	25.79 0.56 0.00
TEMPLE__115KV_TB 2 55572	25.56 -0.03 0.00	23.67 -0.02 0.00	22.59 -0.05 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.49 0.02 0.00	25.66 0.13 0.00	26.19 -0.18 0.00	27.35 -0.27 -0.30	28.27 -0.37 -0.38	28.41 -0.34 -0.40	29.27 -0.32 -0.46	31.76 -0.45 -0.24	33.43 -0.44 0.00	35.09 -0.39 -0.23	36.01 -0.43 -0.58	38.28 -0.38 -0.79	39.01 -0.23 -1.16	38.71 -0.11 -0.71	37.80 -0.34 -0.23	34.51 -0.38 -0.35	29.80 -0.33 0.00	27.53 -0.30 -0.25	25.03 -0.20 0.00
TIANA__69_KV_BK 1 55817	33.86 3.63 -4.64	29.82 3.32 -2.82	25.53 2.90 0.00	24.13 2.62 0.00	24.45 2.74 0.00	26.52 3.05 0.00	30.89 3.40 -1.95	34.16 3.98 -3.80	34.70 4.32 -3.05	35.50 4.52 -2.72	40.83 4.28 -8.19	42.17 4.43 -8.61	44.75 5.05 -7.74	43.93 5.42 -4.64	53.61 5.60 -12.75	78.95 5.77 -37.32	134.14 6.10 -90.17	134.09 6.28 -89.73	111.49 6.25 -67.12	70.36 5.91 -26.54	50.74 5.25 -10.95	45.30 4.67 -10.50	32.62 4.25 -0.79	35.47 3.76 -6.48



TILDEN___115KV_TB1 80814	25.61 0.03 0.00	23.71 0.02 0.00	22.63 0.00 0.00	21.51 0.00 0.00	21.71 0.00 0.00	23.54 0.07 0.00	25.72 0.18 0.00	26.27 -0.11 0.00	27.52 -0.19 -0.38	28.49 -0.25 -0.48	28.63 -0.23 -0.50	29.48 -0.23 -0.58	31.95 -0.32 -0.31	33.57 -0.30 0.00	35.26 -0.28 -0.30	36.31 -0.29 -0.73	38.63 -0.23 -0.99	39.46 -0.04 -1.42	39.07 0.08 -0.88	37.99 -0.19 -0.28	34.75 -0.24 -0.45	29.95 -0.18 0.00	27.68 -0.22 -0.32	25.10 -0.13 0.00
TRIGEN___CC 323695	32.25 2.02 -4.64	28.35 1.85 -2.82	24.24 1.61 0.00	22.95 1.44 0.00	23.23 1.52 0.00	25.11 1.64 0.00	29.28 1.79 -1.95	32.41 2.24 -3.79	32.91 2.54 -3.04	33.61 2.71 -2.64	35.19 2.68 -4.22	35.15 3.10 -3.34	36.59 3.10 -1.53	39.18 3.22 -2.09	41.57 3.38 -2.94	42.09 3.44 -2.79	45.54 3.64 -4.03	50.65 3.77 -8.80	44.53 3.73 -2.68	43.68 3.45 -2.32	39.00 2.97 -1.49	35.42 2.71 -2.59	30.91 2.62 -0.71	30.44 2.30 -2.91
TRINITY__115KV__4 BK 55933	26.07 0.49 0.00	24.16 0.47 0.00	23.02 0.38 0.00	21.85 0.34 0.00	22.13 0.41 0.00	23.82 0.35 0.00	25.89 0.36 0.00	27.03 0.66 0.01	28.07 0.74 0.00	25.05 0.85 4.06	28.10 0.82 1.08	29.87 0.82 0.07	32.85 0.99 0.10	34.82 1.02 0.07	35.80 1.06 0.50	36.88 1.11 0.09	41.32 1.14 -2.32	47.78 1.22 -8.49	41.37 1.26 -2.00	42.06 1.18 -2.98	35.58 1.04 0.00	30.97 0.84 0.00	28.13 0.77 0.23	25.89 0.66 0.00
UNION___PROCESSING_DRP 323587	26.05 0.46 0.00	24.12 0.43 0.00	23.02 0.38 0.00	21.92 0.41 0.00	22.04 0.33 0.00	24.01 0.54 0.00	26.46 0.92 0.00	26.88 0.50 0.00	27.49 0.27 0.12	28.33 0.23 0.15	28.63 0.43 0.16	29.38 0.44 0.18	32.22 0.32 0.06	34.31 0.44 0.00	35.44 0.28 0.09	35.92 0.29 0.23	38.00 0.27 0.13	39.07 0.72 -0.28	39.04 0.95 0.02	38.53 0.49 -0.13	34.78 0.38 0.14	30.61 0.48 0.00	27.79 0.30 0.10	25.74 0.50 0.00
UPPER HUDSON___HYD 24058	26.68 1.10 0.00	24.59 0.90 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.45 0.74 0.00	24.31 0.84 0.00	26.58 1.05 0.00	27.91 1.53 -0.01	29.08 1.75 0.00	32.69 1.75 -2.69	30.83 1.76 -0.71	30.86 1.81 0.08	33.49 1.69 0.17	35.62 1.83 0.08	36.31 1.62 0.56	37.41 1.65 0.10	41.89 1.66 -2.36	48.54 1.94 -8.52	44.59 2.02 -4.46	42.96 2.01 -3.05	36.47 1.93 0.00	31.84 1.72 0.00	28.79 1.46 0.25	26.64 1.41 0.00
UPPER RAQUET___HYD 24056	25.17 -0.41 0.00	23.29 -0.40 0.00	22.41 -0.23 0.00	21.25 -0.26 0.00	21.41 -0.30 0.00	23.02 -0.45 0.00	24.82 -0.71 0.00	25.67 -0.71 0.00	26.64 -0.79 -0.11	27.38 -1.02 -0.14	27.42 -1.08 -0.14	28.13 -1.17 -0.17	30.73 -1.31 -0.08	32.52 -1.36 0.00	33.89 -1.45 -0.08	34.56 -1.50 -0.21	36.60 -1.52 -0.25	36.74 -1.60 -0.26	36.71 -1.60 -0.20	36.58 -1.36 -0.04	33.53 -1.14 -0.13	29.01 -1.11 0.00	26.73 -0.94 -0.09	24.55 -0.68 0.00
VALLEY44_115KV_TB2 355964	25.56 -0.03 0.00	23.74 0.05 0.00	22.52 -0.11 0.00	21.46 -0.04 0.00	21.67 -0.04 0.00	23.63 0.16 0.00	25.94 0.41 0.00	26.17 -0.21 0.00	26.84 -0.49 0.00	27.78 -0.48 0.00	28.07 -0.28 0.00	28.87 -0.26 0.00	31.33 -0.67 -0.04	33.60 -0.27 0.00	34.83 -0.42 0.00	35.47 -0.39 0.00	36.96 -1.10 -0.19	38.32 -0.53 -0.78	38.04 -0.34 -0.27	36.93 -1.21 -0.24	33.88 -0.66 0.00	29.83 -0.30 0.00	27.30 -0.28 0.00	25.36 0.13 0.00
VALLEY___115KV_TB 1-4 80826	26.02 0.43 0.00	24.09 0.40 0.00	23.00 0.36 0.00	21.85 0.34 0.00	22.06 0.35 0.00	23.89 0.42 0.00	25.97 0.43 0.00	26.88 0.50 0.00	27.90 0.57 0.00	28.85 0.59 0.00	28.95 0.60 0.00	29.77 0.64 0.00	32.63 0.67 0.00	34.55 0.68 0.00	35.99 0.74 0.00	36.61 0.75 0.00	38.63 0.76 0.00	38.91 0.84 0.00	39.03 0.91 0.00	38.74 0.83 0.00	35.26 0.73 0.00	30.73 0.60 0.00	28.13 0.55 0.00	25.74 0.50 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	26.76 1.18 0.00	24.76 1.07 0.00	23.63 1.00 0.00	22.45 0.95 0.00	22.69 0.98 0.00	24.57 1.10 0.00	26.69 1.15 0.00	27.57 1.19 0.00	28.68 1.23 -0.12	29.60 1.19 -0.15	29.74 1.22 -0.16	30.72 1.40 -0.20	33.67 1.41 -0.30	35.37 1.49 -0.01	37.24 1.80 -0.19	38.01 1.90 -0.25	40.65 2.01 -0.78	42.89 2.25 -2.57	41.48 2.44 -0.93	40.76 2.20 -0.65	36.55 1.87 -0.14	31.60 1.48 0.00	29.02 1.30 -0.14	26.39 1.16 0.00
VISCHER___FERRY HYD 24020	26.58 1.00 0.00	24.61 0.92 0.00	23.45 0.81 0.00	22.28 0.77 0.00	22.47 0.76 0.00	24.29 0.82 0.00	26.41 0.87 0.00	27.66 1.27 -0.02	28.69 1.37 0.00	37.60 1.47 -7.87	31.92 1.47 -2.09	30.48 1.46 0.10	33.22 1.63 0.38	35.50 1.73 0.10	36.28 1.76 0.73	37.55 1.83 0.14	42.07 1.89 -2.31	48.08 2.05 -7.95	46.46 2.09 -6.26	42.93 2.01 -3.01	36.33 1.79 0.00	31.63 1.51 0.00	28.63 1.38 0.33	26.44 1.21 0.00
V_A_10_SYNC_DSASP 323832	25.79 0.20 0.00	23.95 0.26 0.00	22.75 0.11 0.00	21.66 0.15 0.00	22.04 0.33 0.00	23.84 0.37 0.00	26.12 0.59 0.00	26.30 -0.08 0.00	26.87 -0.33 0.13	27.69 -0.40 0.17	28.01 -0.17 0.18	28.75 -0.38 0.20	31.51 -0.51 0.07	33.57 -0.31 0.00	34.73 -0.42 0.10	35.21 -0.39 0.25	37.15 -0.57 0.15	38.36 0.00 -0.29	38.19 0.11 0.03	37.62 -0.42 -0.13	33.87 -0.52 0.16	29.98 -0.15 0.00	27.33 -0.14 0.11	25.51 0.28 0.00
V_CMM_10_SYNC_DSASP 323787	25.10 -0.49 0.00	23.24 -0.45 0.00	22.30 -0.34 0.00	21.16 -0.34 0.00	21.37 -0.35 0.00	23.07 -0.40 0.00	25.05 -0.49 0.00	25.93 -0.45 0.00	26.84 -0.49 0.00	27.72 -0.54 0.00	27.82 -0.54 0.00	28.55 -0.58 0.00	31.32 -0.64 0.00	33.23 -0.64 0.00	34.51 -0.74 0.00	35.07 -0.79 0.00	37.07 -0.80 0.00	37.08 -0.99 0.00	37.08 -1.03 0.00	37.11 -0.80 0.00	33.92 -0.62 0.00	29.53 -0.60 0.00	27.06 -0.52 0.00	24.73 -0.50 0.00
V_CMP_10_SYNC_DSASP 323788	26.28 0.69 0.00	24.30 0.61 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.47 0.76 0.00	24.31 0.84 0.00	26.45 0.92 0.00	27.41 1.03 0.00	28.26 0.93 0.00	29.16 0.90 0.00	29.24 0.88 0.00	29.97 0.85 0.00	32.86 0.89 0.00	34.92 1.05 0.00	36.13 0.88 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.06 0.99 0.00	39.07 0.95 0.00	39.01 1.10 0.00	35.71 1.18 0.00	31.00 0.87 0.00	28.38 0.80 0.00	25.91 0.68 0.00
V_E_10_SYNC_DSASP 323830	27.30 1.71 0.00	25.23 1.54 0.00	24.08 1.45 0.00	22.90 1.40 0.00	23.21 1.50 0.00	25.27 1.81 0.00	27.58 2.04 0.00	28.33 1.95 0.00	29.44 1.88 -0.23	30.24 1.70 -0.29	30.42 1.76 -0.30	31.49 2.01 -0.35	34.13 1.92 -0.25	35.94 2.07 0.00	37.97 2.54 -0.18	39.03 2.72 -0.44	41.75 2.96 -0.92	43.72 3.43 -2.22	42.97 3.85 -1.01	41.93 3.56 -0.46	37.85 3.04 -0.27	32.48 2.35 0.00	29.76 1.99 -0.19	27.02 1.79 0.00
V_F_30_NSYNC___DSASP 323816	26.89 1.30 0.00	24.85 1.16 0.00	23.65 1.02 0.00	22.48 0.97 0.00	22.67 0.95 0.00	24.52 1.06 0.00	26.74 1.20 0.00	27.97 1.58 -0.01	29.08 1.75 0.00	33.41 1.78 -3.37	31.07 1.82 -0.89	30.88 1.84 0.08	33.71 1.95 0.20	35.89 2.10 0.08	36.70 2.04 0.59	37.90 2.15 0.11	42.42 2.20 -2.35	48.95 2.44 -8.43	45.28 2.48 -4.69	43.38 2.43 -3.04	36.78 2.24 0.00	32.03 1.90 0.00	29.00 1.68 0.27	26.74 1.51 0.00



V_F_30_SYNC_DSASP 323786	26.15 0.56 0.00	24.23 0.54 0.00	23.09 0.45 0.00	21.92 0.41 0.00	22.17 0.46 0.00	23.89 0.42 0.00	25.97 0.43 0.00	27.13 0.76 0.01	28.18 0.85 0.00	25.64 0.96 3.58	28.34 0.94 0.95	30.02 0.96 0.07	32.96 1.12 0.12	34.95 1.15 0.07	35.93 1.20 0.51	37.02 1.26 0.09	41.48 1.29 -2.33	47.98 1.41 -8.50	41.74 1.45 -2.18	42.23 1.33 -2.99	35.75 1.21 0.00	31.09 0.96 0.00	28.23 0.88 0.23	25.96 0.73 0.00
V_XM_10_SYNC_DSASP 323789	26.28 0.69 0.00	24.30 0.61 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.47 0.76 0.00	24.31 0.84 0.00	26.45 0.92 0.00	27.41 1.03 0.00	28.26 0.93 0.00	29.16 0.90 0.00	29.24 0.88 0.00	29.97 0.85 0.00	32.86 0.89 0.00	34.92 1.05 0.00	36.13 0.88 0.00	36.72 0.86 0.00	38.85 0.98 0.00	39.06 0.99 0.00	39.07 0.95 0.00	39.01 1.10 0.00	35.71 1.18 0.00	31.00 0.87 0.00	28.38 0.80 0.00	25.91 0.68 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	27.02 1.43 0.00	25.02 1.33 0.00	23.83 1.20 0.00	22.63 1.12 0.00	22.84 1.13 0.00	24.59 1.13 0.00	26.76 1.23 0.00	28.01 1.64 0.00	29.21 1.89 0.00	30.32 2.06 0.00	30.34 1.99 0.00	31.22 2.04 -0.05	35.12 2.37 -0.80	36.39 2.47 -0.05	38.23 2.61 -0.37	38.62 2.69 -0.07	42.55 2.88 -1.80	49.32 3.01 -8.24	43.64 3.01 -2.52	42.78 2.69 -2.18	36.85 2.31 0.00	32.18 2.05 0.00	29.73 1.99 -0.17	26.95 1.72 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	27.30 1.71 0.00	25.23 1.54 0.00	24.06 1.43 0.00	22.86 1.35 0.00	23.08 1.37 0.00	24.83 1.36 0.00	27.07 1.53 0.00	28.41 2.03 0.00	29.68 2.35 0.00	30.86 2.60 0.00	30.82 2.47 0.00	31.75 2.56 -0.06	35.83 3.00 -0.86	37.04 3.12 -0.06	38.93 3.28 -0.40	39.20 3.26 -0.07	43.27 3.48 -1.91	50.45 3.58 -8.80	44.30 3.51 -2.68	43.41 3.18 -2.32	37.27 2.73 0.00	32.66 2.53 0.00	30.22 2.45 -0.18	27.32 2.09 0.00
W50THST__13_KV_LOAD 356117	27.45 1.87 0.00	25.35 1.66 0.00	24.20 1.56 0.00	22.97 1.46 0.00	23.19 1.48 0.00	24.97 1.50 0.00	27.20 1.66 0.00	28.57 2.19 0.00	29.87 2.54 0.00	31.05 2.80 0.00	31.02 2.67 0.00	31.95 2.77 -0.06	36.05 3.23 -0.86	37.31 3.39 -0.06	39.21 3.56 -0.40	39.49 3.55 -0.07	43.53 3.75 -1.91	50.72 3.85 -8.80	44.56 3.77 -2.68	43.64 3.41 -2.32	37.44 2.90 0.00	32.84 2.71 0.00	30.38 2.62 -0.18	27.48 2.25 0.00
WADING RIVER_IC_1 23522	33.53 3.30 -4.64	29.51 3.01 -2.82	25.28 2.65 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.23 2.77 0.00	30.55 3.06 -1.95	33.74 3.56 -3.80	34.21 3.83 -3.05	34.96 3.99 -2.72	40.27 3.71 -8.20	41.57 3.84 -8.59	44.09 4.41 -7.72	45.40 4.68 -6.85	52.88 4.83 -12.80	78.32 4.98 -37.48	133.67 5.23 -90.58	133.39 5.40 -89.91	110.87 5.34 -67.42	69.65 5.08 -26.66	50.12 4.59 -10.99	44.67 4.07 -10.47	32.12 3.75 -0.79	35.06 3.33 -6.50
WADING RIVER_IC_2 23547	33.53 3.30 -4.64	29.51 3.01 -2.82	25.28 2.65 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.23 2.77 0.00	30.55 3.06 -1.95	33.74 3.56 -3.80	34.21 3.83 -3.05	34.96 3.99 -2.72	40.27 3.71 -8.20	41.57 3.84 -8.59	44.09 4.41 -7.72	45.40 4.68 -6.85	52.88 4.83 -12.80	78.32 4.98 -37.48	133.67 5.23 -90.58	133.39 5.40 -89.91	110.87 5.34 -67.42	69.65 5.08 -26.66	50.12 4.59 -10.99	44.67 4.07 -10.47	32.12 3.75 -0.79	35.06 3.33 -6.50
WADING RIVER_IC_3 23601	33.53 3.30 -4.64	29.51 3.01 -2.82	25.28 2.65 0.00	23.94 2.43 0.00	24.12 2.41 0.00	26.23 2.77 0.00	30.55 3.06 -1.95	33.74 3.56 -3.80	34.21 3.83 -3.05	34.96 3.99 -2.72	40.27 3.71 -8.20	41.57 3.84 -8.59	44.09 4.41 -7.72	45.40 4.68 -6.85	52.88 4.83 -12.80	78.32 4.98 -37.48	133.67 5.23 -90.58	133.39 5.40 -89.91	110.87 5.34 -67.42	69.65 5.08 -26.66	50.12 4.59 -10.99	44.67 4.07 -10.47	32.12 3.75 -0.79	35.06 3.33 -6.50
WALDENNY_12_KV_BK2 80841	26.10 0.51 0.00	24.16 0.47 0.00	22.95 0.32 0.00	21.89 0.39 0.00	22.00 0.28 0.00	24.08 0.61 0.00	26.43 0.89 0.00	26.54 0.16 0.00	27.22 -0.11 0.00	28.12 -0.14 0.00	28.47 0.11 0.00	29.24 0.12 0.00	31.90 -0.10 -0.04	34.04 0.17 0.00	35.28 0.04 0.00	35.90 0.04 0.00	37.78 -0.27 -0.17	39.16 0.38 -0.71	38.97 0.61 -0.25	37.93 -0.19 -0.21	34.40 -0.14 0.00	30.28 0.15 0.00	27.75 0.17 0.00	25.81 0.58 0.00
WALDEN__HYDRO 24148	26.97 1.38 0.00	24.94 1.25 0.00	23.77 1.13 0.00	22.58 1.07 0.00	22.73 1.02 0.00	24.55 1.08 0.00	26.69 1.15 0.00	27.83 1.45 0.00	28.91 1.58 0.00	29.98 1.72 0.00	30.03 1.67 0.00	30.89 1.72 -0.04	34.69 2.01 -0.72	36.01 2.10 -0.04	37.80 2.26 -0.30	38.21 2.30 -0.05	42.17 2.50 -1.80	48.81 2.63 -8.11	43.32 2.67 -2.54	42.51 2.39 -2.22	36.65 2.11 0.00	31.94 1.81 0.00	29.45 1.74 -0.14	26.74 1.51 0.00
WARRENSBURG____ 23737	26.68 1.10 0.00	24.59 0.90 0.00	23.43 0.79 0.00	22.24 0.73 0.00	22.45 0.74 0.00	24.31 0.84 0.00	26.58 1.05 0.00	27.91 1.53 -0.01	29.08 1.75 0.00	32.69 1.75 -2.69	30.83 1.76 -0.71	30.86 1.81 0.08	33.49 1.69 0.17	35.62 1.83 0.08	36.31 1.62 0.56	37.41 1.65 0.10	41.89 1.66 -2.36	48.54 1.94 -8.52	44.59 2.02 -4.46	42.96 2.01 -3.05	36.47 1.93 0.00	31.84 1.72 0.00	28.79 1.46 0.25	26.64 1.41 0.00
WATERSIDE____6 8 9 23538	27.30 1.71 0.00	25.18 1.49 0.00	23.97 1.34 0.00	22.78 1.27 0.00	22.99 1.28 0.00	24.71 1.24 0.00	26.86 1.33 0.00	28.25 1.87 0.00	29.57 2.24 0.00	30.74 2.49 0.00	30.68 2.33 0.00	31.60 2.42 -0.06	35.67 2.84 -0.86	36.87 2.95 -0.06	38.72 3.07 -0.40	38.98 3.05 -0.07	42.93 3.14 -1.91	50.14 3.27 -8.79	43.98 3.20 -2.67	43.10 2.88 -2.31	37.06 2.52 0.00	32.51 2.38 0.00	30.11 2.34 -0.18	27.20 1.97 0.00
WATKINRD_115KV_LN8_ILLION 55919	25.92 0.33 0.00	24.00 0.31 0.00	22.91 0.27 0.00	21.77 0.26 0.00	21.97 0.26 0.00	23.77 0.31 0.00	25.87 0.33 0.00	26.75 0.37 0.00	27.77 0.44 0.00	28.71 0.45 0.00	28.81 0.45 0.00	29.62 0.50 0.00	32.47 0.51 0.00	34.41 0.54 0.00	35.85 0.60 0.00	36.47 0.61 0.00	38.51 0.64 0.00	38.80 0.72 0.00	38.87 0.76 0.00	38.59 0.68 0.00	35.13 0.59 0.00	30.64 0.51 0.00	28.02 0.44 0.00	25.63 0.40 0.00
WATSON__69_KV_BK 1 55734	33.25 3.02 -4.64	29.30 2.80 -2.82	25.06 2.42 0.00	23.70 2.19 0.00	24.01 2.30 0.00	26.02 2.56 0.00	30.32 2.83 -1.95	33.52 3.35 -3.80	34.04 3.66 -3.05	34.75 3.81 -2.68	38.82 3.57 -6.89	41.20 3.79 -8.29	43.66 4.31 -7.38	43.98 4.57 -5.54	47.56 4.62 -7.70	60.09 4.70 -19.53	88.55 4.89 -45.79	91.49 5.03 -48.39	76.99 4.95 -33.92	56.71 4.74 -14.06	44.86 4.25 -6.07	44.09 3.92 -10.05	31.94 3.61 -0.75	33.08 3.20 -4.64
WDELAWARE__HYD 323627	26.61 1.02 0.00	24.59 0.90 0.00	23.45 0.81 0.00	22.26 0.75 0.00	22.43 0.72 0.00	24.22 0.75 0.00	26.35 0.82 0.00	27.46 1.08 0.00	28.50 1.17 0.00	29.50 1.24 0.00	29.55 1.19 0.00	30.35 1.19 -0.03	33.99 1.50 -0.53	35.39 1.49 -0.03	37.13 1.69 -0.18	37.62 1.72 -0.03	41.27 1.89 -1.51	46.78 2.05 -6.65	42.39 2.13 -2.14	41.65 1.82 -1.92	36.13 1.59 0.00	31.42 1.29 0.00	28.94 1.27 -0.09	26.31 1.08 0.00



WEST BABYLON___IC 23714	33.04 2.81 -4.64	29.09 2.58 -2.82	24.87 2.24 0.00	23.53 2.02 0.00	23.84 2.13 0.00	25.84 2.37 0.00	30.04 2.55 -1.95	33.23 3.06 -3.79	33.73 3.36 -3.04	34.41 3.50 -2.65	36.72 3.29 -5.07	37.73 3.47 -5.14	39.61 4.00 -3.65	41.54 4.23 -3.43	43.72 4.30 -4.17	47.35 4.38 -7.11	57.22 4.54 -14.81	61.63 4.72 -18.83	53.54 4.69 -10.74	47.70 4.44 -5.35	41.18 3.97 -2.67	39.10 3.68 -5.30	31.72 3.42 -0.72	31.62 3.03 -3.36
WEST CANADA___HYD 24049	25.66 0.08 0.00	23.76 0.07 0.00	22.70 0.07 0.00	21.57 0.06 0.00	21.78 0.07 0.00	23.54 0.07 0.00	25.61 0.08 0.00	26.48 0.11 0.00	27.49 0.16 0.00	28.43 0.17 0.00	28.53 0.17 0.00	29.33 0.21 0.00	32.19 0.23 0.00	34.11 0.24 0.00	35.50 0.25 0.00	36.11 0.25 0.00	38.14 0.27 0.00	38.38 0.30 0.00	38.42 0.30 0.00	38.17 0.27 0.00	34.75 0.21 0.00	30.34 0.21 0.00	27.77 0.19 0.00	25.38 0.15 0.00
WESTERN_NY_WIND 24143	26.17 0.59 0.00	24.33 0.64 0.00	23.13 0.50 0.00	22.02 0.52 0.00	22.41 0.69 0.00	24.26 0.80 0.00	26.81 1.28 0.00	27.09 0.71 0.00	27.76 0.44 0.00	28.60 0.34 0.00	28.98 0.62 0.00	29.71 0.58 0.00	32.41 0.41 -0.03	34.45 0.58 0.00	35.67 0.42 0.00	36.33 0.46 0.00	38.21 0.19 -0.15	39.58 0.88 -0.63	39.40 1.07 -0.22	38.62 0.53 -0.18	35.09 0.55 0.00	30.85 0.72 0.00	28.10 0.52 0.00	26.06 0.83 0.00
WESTOVER___LESR 323668	25.99 0.41 0.00	24.07 0.38 0.00	22.97 0.34 0.00	21.83 0.32 0.00	22.06 0.35 0.00	23.89 0.42 0.00	26.07 0.54 0.00	26.69 0.32 0.00	27.80 0.25 -0.22	28.77 0.23 -0.28	28.94 0.28 -0.30	29.79 0.32 -0.34	32.45 0.26 -0.23	34.24 0.37 0.00	35.85 0.42 -0.17	36.72 0.43 -0.43	39.12 0.42 -0.83	40.65 0.69 -1.89	39.80 0.80 -0.88	38.84 0.45 -0.48	35.18 0.38 -0.26	30.52 0.39 0.00	28.10 0.33 -0.19	25.63 0.40 0.00
WETHRSFD_WT_PWR 323626	26.02 0.43 0.00	24.19 0.50 0.00	22.93 0.29 0.00	21.83 0.32 0.00	22.23 0.52 0.00	24.05 0.59 0.00	26.38 0.84 0.00	26.56 0.19 0.00	27.30 -0.03 0.00	28.17 -0.08 0.00	28.50 0.14 0.00	29.27 0.15 0.00	31.94 -0.06 -0.04	33.94 0.07 0.00	35.21 -0.04 0.00	35.86 0.00 0.00	37.76 -0.30 -0.19	39.18 0.30 -0.80	38.81 0.42 -0.28	37.91 -0.23 -0.23	34.44 -0.10 0.00	30.34 0.21 0.00	27.75 0.17 0.00	25.76 0.53 0.00
WHAVSTOR_138KV_BK127 55557	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.06 2.30 -0.80	36.33 2.40 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.47 2.80 -1.80	49.23 2.89 -8.26	43.49 2.86 -2.52	42.67 2.58 -2.19	36.72 2.18 0.00	32.12 1.99 0.00	29.65 1.90 -0.17	26.87 1.64 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	26.97 1.38 0.00	24.97 1.28 0.00	23.77 1.13 0.00	22.56 1.05 0.00	22.80 1.09 0.00	24.54 1.08 0.00	26.69 1.15 0.00	27.96 1.58 0.00	29.16 1.83 0.00	30.26 2.01 0.00	30.29 1.93 0.00	31.16 1.98 -0.05	35.06 2.30 -0.80	36.33 2.40 -0.05	38.19 2.57 -0.37	38.55 2.62 -0.07	42.47 2.80 -1.80	49.23 2.89 -8.26	43.49 2.86 -2.52	42.67 2.58 -2.19	36.72 2.18 0.00	32.12 1.99 0.00	29.65 1.90 -0.17	26.87 1.64 0.00
WHITEHAL_115KV_TB1 80871	27.27 1.69 0.00	25.09 1.40 0.00	23.86 1.22 0.00	22.63 1.12 0.00	22.91 1.19 0.00	24.80 1.34 0.00	27.20 1.66 0.00	28.60 2.22 -0.01	29.84 2.51 0.00	33.68 2.46 -2.97	31.70 2.55 -0.79	31.64 2.59 0.08	34.27 2.49 0.18	36.33 2.54 0.08	37.14 2.47 0.57	38.37 2.62 0.11	42.88 2.65 -2.35	49.64 3.08 -8.48	45.87 3.20 -4.55	44.13 3.18 -3.04	37.65 3.11 0.00	32.75 2.62 0.00	29.53 2.21 0.26	27.27 2.04 0.00
WHITEPLN_13_KV_LOAD 356215	27.43 1.84 0.00	25.37 1.68 0.00	24.13 1.49 0.00	22.91 1.40 0.00	23.12 1.41 0.00	24.90 1.43 0.00	27.12 1.58 0.00	28.51 2.14 0.00	29.82 2.49 0.00	30.91 2.66 0.00	30.97 2.61 0.00	31.86 2.68 -0.06	35.89 3.07 -0.86	37.11 3.18 -0.06	39.07 3.42 -0.40	39.45 3.51 -0.07	43.53 3.75 -1.91	50.72 3.88 -8.77	44.63 3.85 -2.67	43.75 3.53 -2.31	37.51 2.97 0.00	32.72 2.59 0.00	30.25 2.48 -0.18	27.38 2.14 0.00
WM_FLOYD_69_KV_BK2 356380	33.25 3.02 -4.64	29.28 2.77 -2.82	25.06 2.42 0.00	23.66 2.15 0.00	23.99 2.28 0.00	26.00 2.53 0.00	30.32 2.83 -1.95	33.56 3.38 -3.80	34.04 3.66 -3.05	34.79 3.81 -2.72	40.05 3.52 -8.17	41.45 3.64 -8.68	43.97 4.19 -7.82	43.11 4.44 -4.80	52.42 4.58 -12.59	77.30 4.70 -36.74	131.57 4.96 -88.74	132.27 5.14 -89.05	109.23 5.07 -66.05	68.86 4.81 -26.14	49.58 4.25 -10.79	44.59 3.86 -10.60	31.96 3.59 -0.79	34.83 3.18 -6.42
WOODARD___115KV_TB2 355635	25.48 -0.10 0.00	23.59 -0.09 0.00	22.54 -0.09 0.00	21.42 -0.09 0.00	21.63 -0.09 0.00	23.42 -0.05 0.00	25.59 0.05 0.00	26.11 -0.26 0.00	27.36 -0.36 -0.39	28.33 -0.42 -0.50	28.48 -0.40 -0.52	29.35 -0.38 -0.60	31.76 -0.51 -0.31	33.36 -0.51 0.00	35.06 -0.49 -0.30	36.11 -0.50 -0.75	38.37 -0.49 -0.99	39.15 -0.30 -1.38	38.80 -0.19 -0.88	37.71 -0.45 -0.26	34.55 -0.45 -0.46	29.77 -0.36 0.00	27.52 -0.39 -0.33	24.95 -0.28 0.00
YORK___WARBASSE 23770	27.43 1.84 0.00	25.25 1.56 0.00	24.06 1.43 0.00	22.84 1.33 0.00	23.08 1.37 0.00	24.73 1.27 0.00	26.86 1.33 0.00	28.28 1.90 0.00	29.62 2.30 0.00	30.83 2.57 0.00	30.77 2.41 0.00	31.69 2.50 -0.06	35.80 2.97 -0.86	37.04 3.12 -0.06	38.90 3.24 -0.40	39.20 3.26 -0.07	43.12 3.33 -1.91	50.37 3.50 -8.79	44.18 3.39 -2.67	43.29 3.07 -2.32	37.20 2.66 0.00	32.60 2.47 0.00	30.22 2.45 -0.18	27.30 2.07 0.00