

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses														--- Marginal Cost of Congestion										04/18/2024		
Name	PTID	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			
59TH STREET_GT_1	24138	22.67	20.54	20.10	19.15	19.71	22.71	30.44	33.62	33.59	34.38	33.08	33.95	31.87	31.46	31.10	31.44	33.04	33.28	35.42	38.54	39.47	32.67	27.54	23.48			
		1.54	1.25	1.17	1.17	1.08	1.20	1.88	2.61	2.37	2.46	2.33	2.39	2.32	2.22	2.18	2.14	2.29	2.68	2.95	3.08	2.96	2.45	1.56	1.35			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.20	-2.24	-1.26	-1.98	-0.54	-0.45	-1.03	-2.27	-1.70	-0.15	0.00	0.00	0.00	0.00	0.00	0.00			
74TH STREET_GT_1	24260	22.69	20.56	20.11	19.17	19.73	22.71	30.35	33.46	33.40	34.13	32.91	33.75	31.68	31.27	30.98	31.30	32.84	33.07	35.13	38.29	39.26	32.16	27.46	23.50			
		1.56	1.27	1.19	1.19	1.10	1.20	1.80	2.45	2.16	2.17	2.12	2.16	2.12	2.02	2.04	1.95	2.06	2.47	2.66	2.84	2.74	1.93	1.48	1.37			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.22	-2.29	-1.29	-2.03	-0.55	-0.46	-1.05	-2.32	-1.74	-0.16	0.00	0.00	0.00	0.00	0.00	0.00			
74TH STREET_GT_2	24261	22.69	20.56	20.11	19.17	19.73	22.71	30.35	33.46	33.40	34.13	32.91	33.75	31.68	31.27	30.98	31.30	32.84	33.07	35.13	38.29	39.26	32.16	27.46	23.50			
		1.56	1.27	1.19	1.19	1.10	1.20	1.80	2.45	2.16	2.17	2.12	2.16	2.12	2.02	2.04	1.95	2.06	2.47	2.66	2.84	2.74	1.93	1.48	1.37			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.22	-2.29	-1.29	-2.03	-0.55	-0.46	-1.05	-2.32	-1.74	-0.16	0.00	0.00	0.00	0.00	0.00	0.00			
ADK HUDSON___FALLS	24011	21.69	19.79	19.43	18.52	19.16	22.09	29.70	32.44	31.07	30.69	30.59	30.66	30.00	29.77	28.79	27.87	30.00	31.79	33.93	36.98	38.09	31.31	26.71	22.70			
		0.57	0.50	0.51	0.54	0.52	0.58	1.14	1.43	1.05	1.01	1.09	1.09	0.99	0.98	0.89	0.84	0.96	1.34	1.46	1.52	1.57	1.09	0.73	0.58			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK RESOURCE___RCVRY	23798	21.74	19.79	19.45	18.56	19.17	22.11	29.81	32.59	31.25	30.90	30.79	30.87	30.18	29.95	28.95	28.03	30.17	32.00	34.19	37.19	38.27	31.64	26.84	22.75			
		0.61	0.50	0.53	0.58	0.54	0.60	1.26	1.58	1.23	1.22	1.30	1.30	1.16	1.15	1.06	1.00	1.13	1.55	1.72	1.74	1.75	1.42	0.86	0.62			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK S GLENS___FALLS	24028	21.69	19.79	19.43	18.52	19.16	22.09	29.70	32.44	31.07	30.69	30.59	30.66	30.00	29.77	28.79	27.87	30.00	31.79	33.93	36.98	38.09	31.31	26.71	22.70			
		0.57	0.50	0.51	0.54	0.52	0.58	1.14	1.43	1.05	1.01	1.09	1.09	0.99	0.98	0.89	0.84	0.96	1.34	1.46	1.52	1.57	1.09	0.73	0.58			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ADK_NYS___DAM	23527	21.88	20.02	19.66	18.72	19.36	22.24	29.90	32.69	31.16	30.87	30.53	30.63	29.97	29.60	28.70	27.90	30.06	31.85	34.16	37.30	38.23	31.62	26.76	22.72			
		0.76	0.73	0.74	0.74	0.73	0.73	1.34	1.67	1.14	1.19	1.03	1.06	0.96	0.81	0.81	0.86	1.02	1.40	1.69	1.84	1.72	1.39	0.78	0.60			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
AIR_PRODUCTS___DRP	24190	21.21	19.44	19.07	18.18	18.78	21.51	28.84	31.45	30.17	29.86	29.61	29.69	29.19	28.91	28.03	27.20	29.22	30.72	32.79	35.81	36.77	30.28	25.93	22.08			
		0.08	0.15	0.15	0.20	0.15	0.00	0.29	0.43	0.15	0.18	0.12	0.12	0.17	0.12	0.14	0.16	0.17	0.27	0.32	0.35	0.26	0.06	-0.05	-0.04			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
AKWESSNE_115KV_BK	355683	20.85	19.02	18.66	17.77	18.41	21.23	28.21	30.33	29.72	29.38	29.23	29.33	28.75	28.54	27.70	26.87	28.90	29.96	31.88	34.85	35.93	29.98	25.80	21.97			
		-0.27	-0.27	-0.26	-0.22	-0.22	-0.28	-0.34	-0.68	-0.30	-0.30	-0.27	-0.24	-0.26	-0.26	-0.20	-0.16	-0.15	-0.49	-0.58	-0.60	-0.58	-0.24	-0.18	-0.15			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_1_SOLAR	323833	21.67	19.83	19.45	18.54	19.15	22.02	29.50	32.16	30.89	30.51	30.26	30.31	29.74	29.46	28.54	27.71	29.79	31.45	33.60	36.66	37.69	31.19	26.58	22.61			
		0.55	0.54	0.53	0.56	0.52	0.52	0.94	1.15	0.87	0.83	0.77	0.74	0.73	0.66	0.64	0.68	0.75	1.00	1.14	1.21	1.17	0.97	0.60	0.49			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_2_SOLAR	323834	21.67	19.81	19.45	18.54	19.15	22.02	29.50	32.16	30.86	30.51	30.23	30.31	29.74	29.46	28.54	27.71	29.79	31.45	33.60	36.66	37.65	31.19	26.55	22.59			
		0.55	0.52	0.53	0.56	0.52	0.52	0.94	1.15	0.84	0.83	0.74	0.74	0.73	0.66	0.64	0.68	0.75	1.00	1.14	1.21	1.13	0.97	0.57	0.47			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY___1	23571	21.21	19.44	19.07	18.18	18.78	21.51	28.84	31.45	30.17	29.86	29.61	29.69	29.19	28.91	28.03	27.20	29.22	30.72	32.79	35.81	36.77	30.28	25.93	22.08			
		0.08	0.15	0.15	0.20	0.15	0.00	0.29	0.43	0.15	0.18	0.12	0.12	0.17	0.12	0.14	0.16	0.17	0.27	0.32	0.35	0.26	0.06	-0.05	-0.04			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			



ALBANY___2 23572	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.84 0.29 0.00	31.45 0.43 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.61 0.12 0.00	29.69 0.12 0.00	29.19 0.17 0.00	28.91 0.12 0.00	28.03 0.14 0.00	27.20 0.16 0.00	29.22 0.17 0.00	30.72 0.27 0.00	32.79 0.32 0.00	35.81 0.35 0.00	36.77 0.26 0.00	30.28 0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
ALBANY___3 23573	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.84 0.29 0.00	31.45 0.43 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.61 0.12 0.00	29.69 0.12 0.00	29.19 0.17 0.00	28.91 0.12 0.00	28.03 0.14 0.00	27.20 0.16 0.00	29.22 0.17 0.00	30.72 0.27 0.00	32.79 0.32 0.00	35.81 0.35 0.00	36.77 0.26 0.00	30.28 0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
ALBANY___4 23574	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.84 0.29 0.00	31.45 0.43 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.61 0.12 0.00	29.69 0.12 0.00	29.19 0.17 0.00	28.91 0.12 0.00	28.03 0.14 0.00	27.20 0.16 0.00	29.22 0.17 0.00	30.72 0.27 0.00	32.79 0.32 0.00	35.81 0.35 0.00	36.77 0.26 0.00	30.28 0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
ALBANY___LFGE 323615	21.42 0.30 0.00	19.62 0.33 0.00	19.24 0.32 0.00	18.34 0.36 0.00	18.95 0.32 0.00	21.74 0.24 0.00	29.18 0.63 0.00	31.91 0.90 0.00	30.62 0.60 0.00	30.33 0.65 0.00	30.09 0.59 0.00	30.19 0.62 0.00	29.62 0.61 0.00	29.34 0.55 0.00	28.42 0.53 0.00	27.60 0.57 0.00	29.65 0.61 0.00	31.21 0.76 0.00	33.38 0.91 0.00	36.38 0.92 0.00	37.32 0.80 0.00	30.89 0.66 0.00	26.27 0.29 0.00	22.33 0.20 0.00
ALCOA_PA_115KV_PL-6C 55860	20.89 -0.23 0.00	19.08 -0.21 0.00	18.71 -0.21 0.00	17.81 -0.18 0.00	18.47 -0.17 0.00	21.31 -0.19 0.00	28.33 -0.23 0.00	30.49 -0.53 0.00	29.84 -0.18 0.00	29.47 -0.21 0.00	29.38 -0.12 0.00	29.45 -0.12 0.00	28.87 -0.15 0.00	28.65 -0.14 0.00	27.84 -0.06 0.00	27.01 -0.03 0.00	29.04 0.00 0.00	30.08 -0.37 0.00	32.01 -0.45 0.00	35.00 -0.46 0.00	36.12 -0.40 0.00	30.16 -0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
ALCOA_RYNLDS___DRP 24188	20.89 -0.23 0.00	19.08 -0.21 0.00	18.71 -0.21 0.00	17.81 -0.18 0.00	18.47 -0.17 0.00	21.31 -0.19 0.00	28.33 -0.23 0.00	30.49 -0.53 0.00	29.84 -0.18 0.00	29.47 -0.21 0.00	29.38 -0.12 0.00	29.45 -0.12 0.00	28.87 -0.15 0.00	28.65 -0.14 0.00	27.84 -0.06 0.00	27.01 -0.03 0.00	29.04 0.00 0.00	30.08 -0.37 0.00	32.01 -0.45 0.00	35.00 -0.46 0.00	36.12 -0.40 0.00	30.16 -0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
ALCOA___DSASP 323711	20.89 -0.23 0.00	19.08 -0.21 0.00	18.71 -0.21 0.00	17.81 -0.18 0.00	18.47 -0.17 0.00	21.31 -0.19 0.00	28.18 -0.37 0.00	30.27 -0.74 0.00	29.57 -0.45 0.00	29.09 -0.59 0.00	29.11 -0.38 0.00	29.21 -0.35 0.00	28.64 -0.38 0.00	28.39 -0.40 0.00	27.59 -0.31 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	29.81 -0.64 0.00	31.75 -0.71 0.00	34.68 -0.78 0.00	35.79 -0.73 0.00	29.68 -0.54 0.00	25.80 -0.18 0.00	22.08 -0.04 0.00
ALLEGHENY___COGEN 23514	21.34 0.21 0.00	19.62 0.33 0.00	19.36 0.44 0.00	18.24 0.25 0.00	19.14 0.50 0.00	22.37 0.86 0.00	29.18 0.63 0.00	31.94 0.93 0.00	30.35 0.33 0.00	29.74 0.06 0.00	29.23 -0.27 0.00	28.95 -0.62 0.00	28.52 -0.49 0.00	28.54 -0.26 0.00	27.67 -0.22 0.00	26.71 -0.32 0.00	28.66 -0.38 0.00	30.84 0.39 0.00	32.86 0.39 0.00	36.49 1.03 0.00	37.79 1.28 0.00	31.22 1.00 0.00	26.92 0.93 0.00	22.86 0.73 0.00
ALTAMONT_115KV_TB 2 55880	21.59 0.46 0.00	19.71 0.42 0.00	19.34 0.42 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.89 0.39 0.00	29.24 0.69 0.00	31.91 0.90 0.00	30.68 0.66 0.00	30.33 0.65 0.00	30.12 0.62 0.00	30.19 0.62 0.00	29.62 0.61 0.00	29.34 0.55 0.00	28.45 0.56 0.00	27.60 0.57 0.00	29.65 0.61 0.00	31.24 0.79 0.00	33.35 0.88 0.00	36.41 0.96 0.00	37.43 0.91 0.00	30.83 0.60 0.00	26.40 0.42 0.00	22.50 0.38 0.00
ALTONA_WT_PWR 323606	20.49 -0.63 0.00	18.73 -0.56 0.00	18.37 -0.55 0.00	17.50 -0.48 0.00	18.13 -0.50 0.00	20.86 -0.64 0.00	26.04 -2.51 0.00	26.67 -4.34 0.00	26.30 -3.72 0.00	25.97 -3.71 0.00	26.16 -3.33 0.00	26.26 -3.31 0.00	25.76 -3.25 0.00	25.77 -3.02 0.00	25.22 -2.68 0.00	24.71 -2.33 0.00	26.72 -2.32 0.00	27.71 -2.74 0.00	29.55 -2.92 0.00	32.30 -3.16 0.00	33.23 -3.29 0.00	27.56 -2.66 0.00	24.79 -1.19 0.00	22.30 0.18 0.00
AMERICAN_REF_FUEL 24010	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.59 -1.97 0.00	28.75 -2.26 0.00	27.62 -2.40 0.00	27.36 -2.32 0.00	26.99 -2.51 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.52 -2.28 0.00	25.64 -2.26 0.00	24.71 -2.33 0.00	26.34 -2.70 0.00	28.04 -2.41 0.00	29.61 -2.86 0.00	32.69 -2.77 0.00	33.82 -2.70 0.00	28.23 -2.00 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	20.68 -0.44 0.00	19.02 -0.27 0.00	18.83 -0.09 0.00	17.70 -0.29 0.00	18.71 0.07 0.00	21.83 0.32 0.00	28.18 -0.37 0.00	30.89 -0.12 0.00	29.51 -0.51 0.00	29.20 -0.48 0.00	28.79 -0.71 0.00	28.62 -0.95 0.00	28.26 -0.75 0.00	28.25 -0.55 0.00	27.20 -0.70 0.00	26.28 -0.76 0.00	28.14 -0.90 0.00	30.11 -0.33 0.00	31.98 -0.49 0.00	35.35 -0.11 0.00	36.63 0.11 0.00	30.50 0.27 0.00	26.30 0.31 0.00	22.30 0.18 0.00
ARTHUR KILL_GT_1 23520	22.99 1.86 -0.01	20.83 1.54 0.00	20.34 1.42 0.00	19.41 1.42 0.00	19.94 1.30 0.00	22.78 1.27 0.00	30.47 1.91 0.00	33.43 2.42 0.00	33.25 2.01 -1.22	34.00 2.05 -2.28	32.88 2.09 -1.29	33.58 1.98 -2.03	31.62 2.06 -0.55	31.24 1.99 -0.46	30.90 1.95 -1.05	31.27 1.92 -2.32	32.78 2.00 -1.74	33.16 2.56 -0.16	35.15 2.69 0.01	38.25 2.80 0.01	39.10 2.59 0.01	32.76 2.54 0.00	27.72 1.74 0.00	23.76 1.64 0.00
ARTHUR_KILL_2 23512	22.93 1.79 -0.01	20.78 1.49 0.00	20.30 1.38 0.00	19.35 1.37 0.00	19.90 1.27 0.00	22.73 1.23 0.00	30.39 1.83 0.00	33.34 2.33 0.00	33.16 1.92 -1.22	33.92 1.96 -2.28	32.79 2.01 -1.29	33.49 1.89 -2.03	31.56 2.00 -0.55	31.18 1.93 -0.46	30.84 1.90 -1.05	31.22 1.86 -2.32	32.73 1.95 -1.74	33.07 2.47 -0.16	35.06 2.60 0.01	38.14 2.69 0.01	38.99 2.48 0.01	32.67 2.45 0.00	27.65 1.66 0.00	23.70 1.57 0.00
ARTHUR_KILL_3 23513	22.52 1.39 0.00	20.41 1.12 0.00	19.96 1.04 0.00	19.03 1.04 0.00	19.58 0.95 0.00	22.54 1.03 0.00	30.21 1.66 0.00	33.37 2.36 0.00	33.33 2.10 -1.21	34.08 2.14 -2.26	32.80 2.03 -1.27	33.64 2.07 -2.01	31.59 2.03 -0.54	31.18 1.93 -0.45	30.86 1.92 -1.04	31.22 1.89 -2.30	32.80 2.03 -1.72	33.04 2.44 -0.15	35.13 2.66 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.46 2.24 0.00	27.31 1.32 0.00	23.30 1.17 0.00



ARTHUR_KILL_COGEN 323718	22.99 1.86 -0.01	20.83 1.54 0.00	20.34 1.42 0.00	19.41 1.42 0.00	19.94 1.30 0.00	22.78 1.27 0.00	30.47 1.91 0.00	33.43 2.42 0.00	33.25 2.01 -1.22	34.00 2.05 -2.28	32.88 2.09 -1.29	33.58 1.98 -2.03	31.62 2.06 -0.55	31.24 1.99 -0.46	30.90 1.95 -1.05	31.27 1.92 -2.32	32.78 2.00 -1.74	33.16 2.56 -0.16	35.15 2.69 0.01	38.25 2.80 0.01	39.10 2.59 0.01	32.76 2.54 0.00	27.72 1.74 0.00	23.76 1.64 0.00
ASHOKAN____ 23654	22.22 1.10 0.00	20.22 0.93 0.00	19.85 0.93 0.00	18.87 0.88 0.00	19.49 0.86 0.00	22.48 0.97 0.00	30.36 1.80 0.00	33.00 1.99 0.00	31.64 1.62 0.00	31.28 1.60 0.00	30.94 1.39 0.00	30.96 1.39 0.00	30.41 1.39 0.00	30.15 1.35 0.00	29.18 1.28 0.00	28.30 1.27 0.00	30.43 1.39 0.00	32.15 1.70 0.00	34.52 2.05 0.00	37.58 2.13 0.00	38.56 2.04 0.00	31.79 1.57 0.00	27.10 1.12 0.00	23.06 0.93 0.00
ASTORIA_EAST_ENERGY_CC1 323581	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.06 1.51 0.01	33.21 2.20 0.01	33.42 2.19 -1.21	34.21 2.25 -2.28	32.90 2.12 -1.28	33.78 2.19 -2.02	31.67 2.12 -0.54	31.26 2.02 -0.45	30.92 1.98 -1.04	31.29 1.95 -2.31	32.86 2.09 -1.73	33.09 2.50 -0.15	35.15 2.69 0.01	38.14 2.69 0.01	38.99 2.48 0.01	32.33 2.11 0.01	27.27 1.30 0.01	23.50 1.37 0.00
ASTORIA_EAST_ENERGY_CC2 323582	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.06 1.51 0.01	33.21 2.20 0.01	33.42 2.19 -1.21	34.21 2.25 -2.28	32.90 2.12 -1.28	33.78 2.19 -2.02	31.67 2.12 -0.54	31.26 2.02 -0.45	30.92 1.98 -1.04	31.29 1.95 -2.31	32.86 2.09 -1.73	33.09 2.50 -0.15	35.15 2.69 0.01	38.14 2.69 0.01	38.99 2.48 0.01	32.33 2.11 0.01	27.27 1.30 0.01	23.50 1.37 0.00
ASTORIA_GT2_1 24094	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT2_2 24095	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT2_3 24096	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT2_4 24097	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT3_1 24098	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT3_2 24099	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT3_3 24100	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT3_4 24101	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT4_1 24102	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT4_2 24103	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT4_3 24104	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00



ASTORIA_GT4_4 24105	22.72 1.58 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	29.98 1.43 0.00	33.09 2.08 0.00	33.24 2.01 -1.21	33.95 1.99 -2.28	32.75 1.98 -1.28	33.57 1.98 -2.02	31.53 1.97 -0.54	31.12 1.87 -0.45	30.81 1.87 -1.04	31.16 1.81 -2.31	32.69 1.92 -1.73	32.88 2.28 -0.15	34.84 2.37 0.00	37.90 2.45 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.13 1.14 0.00	23.45 1.33 0.00
ASTORIA_GT_1 23523	22.76 1.63 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.60 1.10 0.00	30.12 1.57 0.01	33.30 2.29 0.01	33.49 2.25 -1.21	34.27 2.32 -2.28	32.99 2.21 -1.28	33.83 2.25 -2.02	31.73 2.18 -0.54	31.35 2.10 -0.45	31.00 2.06 -1.04	31.37 2.03 -2.31	32.95 2.18 -1.73	33.18 2.59 -0.15	35.25 2.79 0.01	38.22 2.77 0.01	39.10 2.59 0.01	32.42 2.21 0.01	27.33 1.35 0.01	23.54 1.42 0.00
ASTORIA_GT_10 24110	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.19 1.95 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	38.96 2.45 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
ASTORIA_GT_11 24225	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.19 1.95 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	38.96 2.45 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
ASTORIA_GT_12 24226	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.19 1.95 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	38.96 2.45 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
ASTORIA_GT_13 24227	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.19 1.95 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	38.96 2.45 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
ASTORIA_GT_5 24106	22.76 1.63 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.60 1.10 0.00	30.04 1.48 0.00	33.12 2.11 0.00	33.30 2.07 -1.21	34.01 2.05 -2.28	32.81 2.04 -1.28	33.63 2.04 -2.02	31.58 2.03 -0.54	31.18 1.93 -0.45	30.86 1.92 -1.04	31.21 1.87 -2.31	32.75 1.97 -1.73	32.94 2.34 -0.15	34.90 2.44 0.00	37.94 2.48 0.00	38.85 2.34 0.00	31.89 1.66 0.00	27.18 1.20 0.00	23.50 1.37 0.00
ASTORIA_GT_7 24107	22.76 1.63 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.60 1.10 0.00	30.04 1.48 0.00	33.12 2.11 0.00	33.30 2.07 -1.21	34.01 2.05 -2.28	32.81 2.04 -1.28	33.63 2.04 -2.02	31.58 2.03 -0.54	31.18 1.93 -0.45	30.86 1.92 -1.04	31.21 1.87 -2.31	32.75 1.97 -1.73	32.94 2.34 -0.15	34.90 2.44 0.00	37.94 2.48 0.00	38.85 2.34 0.00	31.89 1.66 0.00	27.18 1.20 0.00	23.50 1.37 0.00
ASTORIA_GT_8 24108	22.76 1.63 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.60 1.10 0.00	30.04 1.48 0.00	33.12 2.11 0.00	33.30 2.07 -1.21	34.01 2.05 -2.28	32.81 2.04 -1.28	33.63 2.04 -2.02	31.58 2.03 -0.54	31.18 1.93 -0.45	30.86 1.92 -1.04	31.21 1.87 -2.31	32.75 1.97 -1.73	32.94 2.34 -0.15	34.90 2.44 0.00	37.94 2.48 0.00	38.85 2.34 0.00	31.89 1.66 0.00	27.18 1.20 0.00	23.50 1.37 0.00
ASTORIA___2 24149	22.72 1.59 -0.01	20.64 1.35 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.09 1.54 0.01	33.24 2.23 0.01	33.42 2.19 -1.21	34.24 2.29 -2.28	32.93 2.15 -1.28	33.78 2.19 -2.02	31.67 2.12 -0.54	31.29 2.04 -0.45	30.95 2.01 -1.04	31.32 1.97 -2.31	32.89 2.12 -1.73	33.12 2.53 -0.15	35.19 2.73 0.01	38.14 2.69 0.01	39.03 2.52 0.01	32.36 2.15 0.01	27.30 1.32 0.01	23.52 1.39 0.00
ASTORIA___3 23516	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.40 2.39 0.00	33.40 2.16 -1.22	34.19 2.23 -2.29	32.91 2.12 -1.29	33.75 2.16 -2.03	31.65 2.09 -0.55	31.27 2.02 -0.46	30.93 1.98 -1.05	31.30 1.95 -2.32	32.87 2.09 -1.74	33.10 2.50 -0.16	35.23 2.76 0.00	38.33 2.87 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.44 1.45 0.00	23.48 1.35 0.00
ASTORIA___4 23517	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.19 1.95 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	38.96 2.45 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
ASTORIA___5 23518	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.40 2.39 0.00	33.40 2.16 -1.22	34.19 2.23 -2.29	32.91 2.12 -1.29	33.75 2.16 -2.03	31.65 2.09 -0.55	31.27 2.02 -0.46	30.93 1.98 -1.05	31.30 1.95 -2.32	32.87 2.09 -1.74	33.10 2.50 -0.16	35.23 2.76 0.00	38.33 2.87 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.44 1.45 0.00	23.48 1.35 0.00
AST_ENERGY_2_CC3 323677	22.54 1.42 0.00	20.45 1.16 0.00	20.00 1.08 0.00	19.05 1.06 0.00	19.62 0.99 0.00	22.56 1.05 0.00	30.24 1.68 0.00	33.37 2.36 0.00	33.30 2.07 -1.21	34.08 2.14 -2.26	32.80 2.03 -1.27	33.64 2.07 -2.01	31.56 2.00 -0.54	31.18 1.93 -0.45	30.83 1.90 -1.04	31.19 1.86 -2.30	32.77 2.00 -1.72	32.98 2.38 -0.15	35.13 2.66 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.46 2.24 0.00	27.36 1.38 0.00	23.34 1.22 0.00
AST_ENERGY_2_CC4 323678	22.54 1.42 0.00	20.45 1.16 0.00	20.00 1.08 0.00	19.05 1.06 0.00	19.62 0.99 0.00	22.56 1.05 0.00	30.24 1.68 0.00	33.37 2.36 0.00	33.30 2.07 -1.21	34.08 2.14 -2.26	32.80 2.03 -1.27	33.64 2.07 -2.01	31.56 2.00 -0.54	31.18 1.93 -0.45	30.83 1.90 -1.04	31.19 1.86 -2.30	32.77 2.00 -1.72	32.98 2.38 -0.15	35.13 2.66 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.46 2.24 0.00	27.36 1.38 0.00	23.34 1.22 0.00



ATHENS_STG_1 23668	21.86 0.74 0.00	19.95 0.66 0.00	19.55 0.62 0.00	18.61 0.63 0.00	19.21 0.58 0.00	22.11 0.60 0.00	29.55 1.00 0.00	32.41 1.40 0.00	31.13 1.11 0.00	30.84 1.16 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.09 1.07 0.00	29.78 0.98 0.00	28.87 0.98 0.00	28.01 0.97 0.00	30.12 1.08 0.00	31.76 1.31 0.00	33.96 1.49 0.00	37.02 1.56 0.00	37.98 1.46 0.00	31.46 1.24 0.00	26.71 0.73 0.00	22.72 0.60 0.00
ATHENS_STG_2 23670	21.86 0.74 0.00	19.95 0.66 0.00	19.55 0.62 0.00	18.61 0.63 0.00	19.21 0.58 0.00	22.11 0.60 0.00	29.55 1.00 0.00	32.41 1.40 0.00	31.13 1.11 0.00	30.84 1.16 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.09 1.07 0.00	29.78 0.98 0.00	28.87 0.98 0.00	28.01 0.97 0.00	30.12 1.08 0.00	31.76 1.31 0.00	33.96 1.49 0.00	37.02 1.56 0.00	37.98 1.46 0.00	31.46 1.24 0.00	26.71 0.73 0.00	22.72 0.60 0.00
ATHENS_STG_3 23677	21.86 0.74 0.00	19.95 0.66 0.00	19.55 0.62 0.00	18.61 0.63 0.00	19.21 0.58 0.00	22.11 0.60 0.00	29.55 1.00 0.00	32.41 1.40 0.00	31.13 1.11 0.00	30.84 1.16 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.09 1.07 0.00	29.78 0.98 0.00	28.87 0.98 0.00	28.01 0.97 0.00	30.12 1.08 0.00	31.76 1.31 0.00	33.96 1.49 0.00	37.02 1.56 0.00	37.98 1.46 0.00	31.46 1.24 0.00	26.71 0.73 0.00	22.72 0.60 0.00
AUBURN___LFGE 323710	21.00 -0.13 0.00	19.23 -0.06 0.00	18.88 -0.04 0.00	17.88 -0.11 0.00	18.62 -0.02 0.00	21.62 0.11 0.00	28.41 -0.14 0.00	31.20 0.19 0.00	30.02 0.00 0.00	29.62 -0.06 0.00	29.44 -0.06 0.00	29.48 -0.09 0.00	28.93 -0.09 0.00	28.80 0.00 0.00	27.78 -0.11 0.00	26.84 -0.19 0.00	28.81 -0.23 0.00	30.54 0.09 0.00	32.60 0.13 0.00	35.63 0.18 0.00	36.85 0.33 0.00	30.31 0.09 0.00	26.06 0.08 0.00	22.13 0.00 0.00
BABYLON_RES_REC 323704	22.91 1.73 -0.06	20.82 1.51 -0.02	20.35 1.42 -0.01	19.40 1.38 -0.03	20.05 1.34 -0.07	23.13 1.51 -0.12	30.74 1.86 -0.33	33.69 2.54 -0.13	32.27 2.25 0.00	31.88 2.20 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.19 2.18 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.23 2.19 -0.01	31.44 2.38 -0.01	33.41 2.77 -0.19	35.93 3.12 -0.34	39.21 3.26 -0.50	40.17 3.21 -0.44	33.12 2.69 -0.20	27.94 1.79 -0.17	25.24 1.55 -1.57
BABYLON__69_KV_BK2 356345	23.18 1.94 -0.11	21.01 1.68 -0.04	20.55 1.61 -0.01	19.60 1.55 -0.07	20.33 1.53 -0.17	23.47 1.70 -0.26	31.57 1.97 -1.04	34.08 2.67 -0.40	32.45 2.43 0.00	31.94 2.26 0.00	31.83 2.33 0.00	32.14 2.57 0.00	31.31 2.29 0.00	31.10 2.30 0.00	30.32 2.43 0.00	29.39 2.35 0.00	31.61 2.56 -0.01	33.88 2.86 -0.57	36.68 3.15 -1.06	40.40 3.40 -1.54	41.22 3.36 -1.35	33.32 2.48 -0.61	28.41 1.92 -0.51	25.59 1.77 -1.69
BALL_HILL_WT_PWR 323825	20.60 -0.53 0.00	18.92 -0.37 0.00	18.73 -0.19 0.00	17.63 -0.36 0.00	18.60 -0.04 0.00	21.66 0.15 0.00	27.90 -0.66 0.00	30.46 -0.56 0.00	29.15 -0.87 0.00	28.85 -0.83 0.00	28.46 -1.03 0.00	28.30 -1.27 0.00	27.94 -1.07 0.00	27.93 -0.86 0.00	26.95 -0.95 0.00	26.01 -1.03 0.00	27.79 -1.25 0.00	29.66 -0.79 0.00	31.36 -1.10 0.00	34.64 -0.81 0.00	35.86 -0.66 0.00	29.86 -0.36 0.00	25.80 -0.18 0.00	21.97 -0.15 0.00
BARON_WINDS___WT_PWR 323822	20.70 -0.42 0.00	19.02 -0.27 0.00	18.79 -0.13 0.00	17.73 -0.25 0.00	18.63 0.00 0.00	21.70 0.19 0.00	28.24 -0.31 0.00	31.01 0.00 0.00	29.63 -0.39 0.00	29.33 -0.35 0.00	28.91 -0.59 0.00	28.80 -0.77 0.00	28.37 -0.64 0.00	28.33 -0.46 0.00	27.34 -0.56 0.00	26.38 -0.65 0.00	28.29 -0.76 0.00	30.14 -0.30 0.00	32.01 -0.45 0.00	35.21 -0.25 0.00	36.44 -0.07 0.00	30.22 0.00 0.00	26.04 0.05 0.00	22.08 -0.04 0.00
BARRETT_IC_1 23704	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_10 23701	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_11 23702	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_12 23703	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_2 23705	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_3 23706	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_4 23707	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48



BARRETT_IC_5 23708	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_6 23709	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_7 23710	22.64 1.50 -0.01	20.60 1.29 -0.01	20.15 1.23 0.00	19.19 1.20 0.00	19.79 1.16 0.00	22.77 1.25 -0.02	30.07 1.51 0.00	33.09 2.08 0.00	31.82 1.80 0.00	31.40 1.72 0.00	31.24 1.74 0.00	31.46 1.89 0.00	30.73 1.71 0.00	30.49 1.70 0.00	29.74 1.84 0.00	28.82 1.78 0.00	30.87 1.83 0.00	32.64 2.19 0.00	34.77 2.31 0.00	37.97 2.52 0.00	38.93 2.41 0.00	31.98 1.75 0.00	27.44 1.46 0.00	24.91 1.31 -1.48
BARRETT_IC_8 23711	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT_IC_9 23700	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT___1 23545	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BARRETT___2 23546	22.64 1.50 -0.01	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.80 1.16 -0.01	22.77 1.25 -0.02	30.21 1.66 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.67 1.99 0.00	31.41 1.92 0.00	31.68 2.10 -0.01	30.96 1.94 0.00	30.73 1.93 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.08 2.03 -0.01	32.86 2.40 -0.01	35.14 2.66 -0.01	38.23 2.77 -0.01	39.23 2.70 -0.01	32.50 2.27 -0.01	27.55 1.56 -0.01	24.91 1.31 -1.48
BATAVIA__115KV_TB1 55881	20.53 -0.59 0.00	18.88 -0.41 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.48 -0.15 0.00	21.55 0.04 0.00	27.78 -0.77 0.00	30.30 -0.71 0.00	29.15 -0.87 0.00	28.55 -1.13 0.00	28.46 -1.03 0.00	28.44 -1.12 0.00	27.94 -1.07 0.00	27.96 -0.84 0.00	26.83 -1.06 0.00	25.95 -1.08 0.00	27.76 -1.28 0.00	29.53 -0.91 0.00	31.75 -0.71 0.00	34.61 -0.85 0.00	35.71 -0.80 0.00	29.59 -0.63 0.00	25.59 -0.39 0.00	21.95 -0.18 0.00
BAYONEEC___CTG1 323682	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG10 323750	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG2 323683	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG3 323684	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG4 323685	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG5 323686	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG6 323687	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00



BAYONEEC___CTG7 323688	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG8 323689	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BAYONEEC___CTG9 323749	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.43 2.42 0.00	33.39 2.16 -1.21	34.17 2.23 -2.26	32.86 2.09 -1.27	33.73 2.16 -2.01	31.65 2.09 -0.54	31.24 1.99 -0.45	30.92 1.98 -1.04	31.28 1.95 -2.30	32.86 2.09 -1.72	33.07 2.47 -0.15	35.20 2.73 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.41 1.43 0.00	23.36 1.24 0.00
BEACON___LESR 323632	21.52 0.40 0.00	19.71 0.42 0.00	19.34 0.42 0.00	18.43 0.45 0.00	19.04 0.41 0.00	21.87 0.37 0.00	29.38 0.83 0.00	32.10 1.08 0.00	30.83 0.81 0.00	30.51 0.83 0.00	30.29 0.80 0.00	30.37 0.80 0.00	29.80 0.78 0.00	29.52 0.72 0.00	28.59 0.70 0.00	27.76 0.73 0.00	29.79 0.75 0.00	31.42 0.97 0.00	33.60 1.14 0.00	36.59 1.13 0.00	37.58 1.06 0.00	31.07 0.85 0.00	26.42 0.44 0.00	22.44 0.31 0.00
BEAVER RIVER___HYD 24048	20.70 -0.42 0.00	18.92 -0.37 0.00	18.49 -0.43 0.00	17.57 -0.41 0.00	18.21 -0.43 0.00	21.16 -0.34 0.00	28.24 -0.31 0.00	30.76 -0.25 0.00	29.48 -0.54 0.00	29.24 -0.44 0.00	28.97 -0.53 0.00	29.04 -0.53 0.00	28.40 -0.61 0.00	28.19 -0.61 0.00	27.25 -0.64 0.00	26.60 -0.43 0.00	28.66 -0.38 0.00	30.14 -0.30 0.00	32.24 -0.23 0.00	35.35 -0.11 0.00	36.63 0.11 0.00	30.28 0.06 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
BEEBEE_GT_13 23619	20.62 -0.51 0.00	18.92 -0.37 0.00	18.64 -0.28 0.00	17.57 -0.41 0.00	18.43 -0.20 0.00	21.44 -0.06 0.00	27.93 -0.63 0.00	30.46 -0.56 0.00	29.39 -0.63 0.00	28.94 -0.74 0.00	28.85 -0.65 0.00	28.83 -0.74 0.00	28.32 -0.70 0.00	28.25 -0.55 0.00	27.20 -0.70 0.00	26.33 -0.70 0.00	28.14 -0.90 0.00	29.81 -0.64 0.00	31.92 -0.55 0.00	34.78 -0.67 0.00	35.86 -0.66 0.00	29.68 -0.54 0.00	25.59 -0.39 0.00	21.91 -0.22 0.00
BENSHRST_27_KV_BENSHRST_1 355998	22.86 1.73 -0.01	20.72 1.43 0.00	20.23 1.31 0.00	19.30 1.31 0.00	19.83 1.19 0.00	22.73 1.23 0.00	30.38 1.83 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.13 2.17 -2.29	32.93 2.15 -1.29	33.75 2.16 -2.03	31.71 2.15 -0.55	31.33 2.07 -0.46	31.01 2.06 -1.05	31.35 2.00 -2.32	32.93 2.15 -1.74	33.16 2.56 -0.16	35.20 2.73 0.00	38.40 2.94 0.00	39.29 2.78 0.00	32.31 2.09 0.00	27.57 1.58 0.00	23.65 1.53 0.00
BETHLEHEM___GRP 23843	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.84 0.29 0.00	31.45 0.43 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.61 0.12 0.00	29.69 0.12 0.00	29.19 0.17 0.00	28.91 0.12 0.00	28.03 0.14 0.00	27.20 0.16 0.00	29.22 0.17 0.00	30.72 0.27 0.00	32.79 0.32 0.00	35.81 0.35 0.00	36.77 0.26 0.00	30.28 0.06 0.00	25.93 -0.05 0.00	22.08 -0.04 0.00
BETHLEHEM___GS1 323560	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.87 0.31 0.00	31.57 0.56 0.00	30.29 0.27 0.00	30.01 0.33 0.00	29.73 0.23 0.00	29.80 0.24 0.00	29.27 0.26 0.00	29.02 0.23 0.00	28.12 0.22 0.00	27.30 0.27 0.00	29.33 0.29 0.00	30.84 0.39 0.00	32.99 0.52 0.00	35.95 0.50 0.00	36.92 0.40 0.00	30.53 0.30 0.00	25.98 0.00 0.00	22.08 -0.04 0.00
BETHLEHEM___GS2 323561	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.87 0.31 0.00	31.57 0.56 0.00	30.29 0.27 0.00	30.01 0.33 0.00	29.73 0.23 0.00	29.80 0.24 0.00	29.27 0.26 0.00	29.02 0.23 0.00	28.12 0.22 0.00	27.30 0.27 0.00	29.33 0.29 0.00	30.84 0.39 0.00	32.99 0.52 0.00	35.95 0.50 0.00	36.92 0.40 0.00	30.53 0.30 0.00	25.98 0.00 0.00	22.08 -0.04 0.00
BETHLEHEM___GS3 323562	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.18 0.20 0.00	18.78 0.15 0.00	21.51 0.00 0.00	28.87 0.31 0.00	31.57 0.56 0.00	30.29 0.27 0.00	30.01 0.33 0.00	29.73 0.23 0.00	29.80 0.24 0.00	29.27 0.26 0.00	29.02 0.23 0.00	28.12 0.22 0.00	27.30 0.27 0.00	29.33 0.29 0.00	30.84 0.39 0.00	32.99 0.52 0.00	35.95 0.50 0.00	36.92 0.40 0.00	30.53 0.30 0.00	25.98 0.00 0.00	22.08 -0.04 0.00
BETHLEHEM___STEEL 23779	20.49 -0.63 0.00	18.83 -0.46 0.00	18.64 -0.28 0.00	17.52 -0.47 0.00	18.50 -0.13 0.00	21.55 0.04 0.00	27.64 -0.91 0.00	30.15 -0.87 0.00	28.91 -1.11 0.00	28.34 -1.34 0.00	28.26 -1.24 0.00	28.21 -1.36 0.00	27.74 -1.28 0.00	27.76 -1.04 0.00	26.58 -1.31 0.00	25.79 -1.24 0.00	27.56 -1.48 0.00	29.38 -1.07 0.00	31.59 -0.88 0.00	34.43 -1.03 0.00	35.57 -0.95 0.00	29.50 -0.73 0.00	25.54 -0.44 0.00	21.86 -0.27 0.00
BETHLHEM_115KV_TB1 79974	21.21 0.08 0.00	19.44 0.15 0.00	19.07 0.15 0.00	18.20 0.22 0.00	18.78 0.15 0.00	21.53 0.02 0.00	28.87 0.31 0.00	31.48 0.47 0.00	30.20 0.18 0.00	29.86 0.18 0.00	29.61 0.12 0.00	29.72 0.15 0.00	29.19 0.17 0.00	28.91 0.12 0.00	28.03 0.14 0.00	27.20 0.16 0.00	29.22 0.17 0.00	30.75 0.30 0.00	32.83 0.36 0.00	35.81 0.35 0.00	36.81 0.29 0.00	30.28 0.06 0.00	25.96 -0.03 0.00	22.10 -0.02 0.00
BETHPAGE_CC_5 323564	22.84 1.69 -0.03	20.77 1.47 -0.01	20.31 1.38 -0.01	19.37 1.37 -0.01	19.98 1.32 -0.03	23.02 1.46 -0.05	30.39 1.83 0.00	33.50 2.48 0.00	32.21 2.19 0.00	31.85 2.17 0.00	31.65 2.15 0.00	31.94 2.37 -0.01	31.19 2.18 0.00	30.98 2.19 0.00	30.08 2.18 -0.01	29.20 2.16 -0.01	31.37 2.32 -0.01	33.16 2.71 -0.01	35.53 3.05 -0.01	38.66 3.19 -0.01	39.67 3.14 -0.01	32.83 2.60 -0.01	27.71 1.71 -0.01	25.09 1.46 -1.50
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	20.51 -0.61 0.00	18.85 -0.44 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.52 -0.11 0.00	21.57 0.06 0.00	27.70 -0.86 0.00	30.21 -0.81 0.00	28.97 -1.05 0.00	28.40 -1.28 0.00	28.32 -1.18 0.00	28.27 -1.30 0.00	27.79 -1.22 0.00	27.82 -0.98 0.00	26.64 -1.26 0.00	25.84 -1.19 0.00	27.62 -1.42 0.00	29.44 -1.00 0.00	31.66 -0.81 0.00	34.54 -0.92 0.00	35.64 -0.88 0.00	29.56 -0.66 0.00	25.59 -0.39 0.00	21.88 -0.24 0.00



BINGHAMTON___COGEN 23790	21.17 0.04 0.00	19.37 0.08 0.00	19.04 0.11 0.00	18.02 0.04 0.00	18.78 0.15 0.00	21.77 0.26 0.00	28.58 0.03 0.00	31.35 0.34 0.00	30.05 0.03 0.00	29.65 -0.03 0.00	29.47 -0.03 0.00	29.48 -0.09 0.00	28.96 -0.06 0.00	28.82 0.03 0.00	27.81 -0.08 0.00	26.93 -0.11 0.00	28.90 -0.15 0.00	30.60 0.15 0.00	32.70 0.23 0.00	35.74 0.28 0.00	36.88 0.37 0.00	30.38 0.15 0.00	26.22 0.23 0.00	22.26 0.13 0.00
BIXINCNT_115KV_LOAD 355685	20.41 -0.72 0.00	18.73 -0.56 0.00	18.49 -0.44 0.00	17.41 -0.58 0.00	18.43 -0.20 0.00	21.55 0.04 0.00	27.81 -0.74 0.00	30.52 -0.50 0.00	29.24 -0.78 0.00	28.61 -1.07 0.00	28.52 -0.97 0.00	28.41 -1.15 0.00	27.97 -1.04 0.00	27.93 -0.86 0.00	26.89 -1.00 0.00	26.01 -1.03 0.00	27.82 -1.22 0.00	29.75 -0.70 0.00	31.92 -0.55 0.00	34.89 -0.57 0.00	35.97 -0.55 0.00	29.80 -0.42 0.00	25.91 -0.08 0.00	21.99 -0.13 0.00
BLACK RIVER___HYD 24047	20.77 -0.36 0.00	18.98 -0.31 0.00	18.56 -0.36 0.00	17.61 -0.38 0.00	18.26 -0.37 0.00	21.27 -0.24 0.00	28.41 -0.14 0.00	31.04 0.03 0.00	29.63 -0.39 0.00	29.44 -0.24 0.00	29.14 -0.35 0.00	29.15 -0.41 0.00	28.55 -0.47 0.00	28.31 -0.49 0.00	27.34 -0.56 0.00	26.63 -0.40 0.00	28.69 -0.35 0.00	30.24 -0.21 0.00	32.34 -0.13 0.00	35.56 0.11 0.00	36.92 0.40 0.00	30.50 0.27 0.00	26.01 0.03 0.00	22.10 -0.02 0.00
BLACKRVR_115KV_TB2 79977	20.77 -0.36 0.00	18.98 -0.31 0.00	18.56 -0.36 0.00	17.61 -0.38 0.00	18.26 -0.37 0.00	21.27 -0.24 0.00	28.41 -0.14 0.00	31.08 0.06 0.00	29.66 -0.36 0.00	29.44 -0.24 0.00	29.14 -0.35 0.00	29.18 -0.38 0.00	28.58 -0.44 0.00	28.31 -0.49 0.00	27.36 -0.53 0.00	26.63 -0.41 0.00	28.72 -0.32 0.00	30.27 -0.18 0.00	32.40 -0.06 0.00	35.60 0.14 0.00	36.96 0.44 0.00	30.50 0.27 0.00	26.01 0.03 0.00	22.10 -0.02 0.00
BLISS_WT_PWR 323608	20.32 -0.80 0.00	18.63 -0.66 0.00	18.39 -0.53 0.00	17.32 -0.67 0.00	18.34 -0.30 0.00	21.46 -0.04 0.00	27.84 -0.71 0.00	30.52 -0.50 0.00	29.24 -0.78 0.00	28.94 -0.74 0.00	28.55 -0.95 0.00	28.33 -1.24 0.00	28.00 -1.02 0.00	27.90 -0.89 0.00	27.06 -0.84 0.00	26.03 -1.00 0.00	27.82 -1.22 0.00	29.78 -0.67 0.00	31.50 -0.97 0.00	34.75 -0.71 0.00	35.90 -0.62 0.00	29.92 -0.30 0.00	25.91 -0.08 0.00	21.97 -0.15 0.00
BLUESTONE___WT_PWR 323821	22.22 1.10 0.00	20.35 1.06 0.00	19.91 0.98 0.00	18.85 0.86 0.00	19.62 0.99 0.00	22.86 1.36 0.00	30.24 1.68 0.00	33.34 2.33 0.00	31.88 1.86 0.00	31.73 2.05 0.00	31.24 1.74 0.00	31.31 1.74 0.00	30.75 1.74 0.00	30.58 1.79 0.00	29.51 1.62 0.00	28.49 1.46 0.00	30.58 1.54 0.00	32.49 2.04 0.00	34.58 2.11 0.00	37.87 2.41 0.00	39.22 2.70 0.00	32.40 2.18 0.00	27.67 1.69 0.00	23.45 1.33 0.00
BLUE_CIRC_CHEM_DRP 24182	21.57 0.44 0.00	19.73 0.44 0.00	19.38 0.45 0.00	18.45 0.47 0.00	19.06 0.43 0.00	21.92 0.41 0.00	29.30 0.74 0.00	31.91 0.90 0.00	30.65 0.63 0.00	30.27 0.59 0.00	30.06 0.56 0.00	30.13 0.56 0.00	29.56 0.55 0.00	29.29 0.49 0.00	28.40 0.50 0.00	27.55 0.51 0.00	29.62 0.58 0.00	31.21 0.76 0.00	33.31 0.84 0.00	36.38 0.92 0.00	37.39 0.88 0.00	30.83 0.60 0.00	26.40 0.42 0.00	22.50 0.38 0.00
BOC_GAS_DRP 24189	21.55 0.42 0.00	19.68 0.39 0.00	19.30 0.38 0.00	18.38 0.40 0.00	18.99 0.35 0.00	21.85 0.34 0.00	29.16 0.60 0.00	31.85 0.84 0.00	30.59 0.57 0.00	30.24 0.56 0.00	30.03 0.53 0.00	30.13 0.56 0.00	29.56 0.55 0.00	29.29 0.49 0.00	28.40 0.50 0.00	27.55 0.51 0.00	29.59 0.55 0.00	31.15 0.70 0.00	33.25 0.78 0.00	36.31 0.85 0.00	37.28 0.77 0.00	30.74 0.51 0.00	26.35 0.36 0.00	22.44 0.31 0.00
BOONVILLE_115KV_TB1 79983	21.34 0.21 0.00	19.50 0.21 0.00	19.07 0.15 0.00	18.11 0.13 0.00	18.78 0.15 0.00	21.79 0.28 0.00	29.01 0.46 0.00	31.73 0.71 0.00	30.50 0.48 0.00	30.21 0.53 0.00	29.94 0.44 0.00	30.01 0.44 0.00	29.42 0.41 0.00	29.20 0.40 0.00	28.23 0.33 0.00	27.47 0.43 0.00	29.53 0.49 0.00	31.09 0.64 0.00	33.18 0.71 0.00	36.31 0.85 0.00	37.54 1.02 0.00	30.98 0.76 0.00	26.50 0.52 0.00	22.55 0.42 0.00
BORALEX_4TH_BRANCH 23824	21.88 0.76 0.00	20.02 0.73 0.00	19.66 0.74 0.00	18.72 0.74 0.00	19.36 0.73 0.00	22.24 0.73 0.00	29.84 1.29 0.00	32.56 1.55 0.00	31.01 0.99 0.00	30.69 1.01 0.00	30.41 0.91 0.00	30.48 0.92 0.00	29.85 0.84 0.00	29.46 0.66 0.00	28.62 0.73 0.00	27.76 0.73 0.00	29.94 0.90 0.00	31.76 1.31 0.00	33.96 1.49 0.00	37.23 1.77 0.00	38.12 1.61 0.00	31.28 1.06 0.00	26.71 0.73 0.00	22.72 0.60 0.00
BOWLINE___1 23526	22.24 1.12 0.00	20.22 0.93 0.00	19.79 0.87 0.00	18.85 0.86 0.00	19.43 0.80 0.00	22.39 0.88 0.00	29.90 1.34 0.00	32.91 1.89 0.00	31.58 1.56 0.00	31.31 1.63 0.00	31.03 1.53 0.00	31.13 1.57 0.00	30.55 1.54 0.00	30.23 1.44 0.00	29.32 1.42 0.00	28.44 1.40 0.00	30.55 1.51 0.00	32.31 1.86 0.00	34.55 2.08 0.00	37.58 2.13 0.00	38.60 2.08 0.00	31.95 1.72 0.00	27.10 1.12 0.00	23.01 0.89 0.00
BOWLINE___2 23595	22.24 1.12 0.00	20.22 0.93 0.00	19.79 0.87 0.00	18.85 0.86 0.00	19.43 0.80 0.00	22.39 0.88 0.00	29.90 1.34 0.00	32.91 1.89 0.00	31.58 1.56 0.00	31.31 1.63 0.00	31.03 1.53 0.00	31.13 1.57 0.00	30.55 1.54 0.00	30.23 1.44 0.00	29.32 1.42 0.00	28.44 1.40 0.00	30.55 1.51 0.00	32.31 1.86 0.00	34.55 2.08 0.00	37.58 2.13 0.00	38.60 2.08 0.00	31.95 1.72 0.00	27.10 1.12 0.00	23.01 0.89 0.00
BRADY___115KV_TB2 356060	20.87 -0.25 0.00	19.06 -0.23 0.00	18.68 -0.25 0.00	17.79 -0.20 0.00	18.45 -0.19 0.00	21.31 -0.19 0.00	28.38 -0.17 0.00	30.55 -0.47 0.00	29.87 -0.15 0.00	29.50 -0.18 0.00	29.41 -0.09 0.00	29.48 -0.09 0.00	28.87 -0.15 0.00	28.65 -0.14 0.00	27.81 -0.08 0.00	26.98 -0.05 0.00	29.01 -0.03 0.00	30.05 -0.40 0.00	32.05 -0.42 0.00	35.07 -0.39 0.00	36.19 -0.33 0.00	30.25 0.03 0.00	25.96 -0.03 0.00	22.10 -0.02 0.00
BRANSCOMB___SOLAR 323811	21.74 0.61 0.00	19.83 0.54 0.00	19.47 0.55 0.00	18.56 0.58 0.00	19.17 0.54 0.00	22.09 0.58 0.00	29.67 1.11 0.00	32.41 1.40 0.00	31.07 1.05 0.00	30.72 1.04 0.00	30.53 1.03 0.00	30.60 1.03 0.00	29.97 0.96 0.00	29.72 0.92 0.00	28.76 0.87 0.00	27.90 0.86 0.00	30.03 0.99 0.00	31.76 1.31 0.00	33.96 1.49 0.00	37.02 1.56 0.00	38.05 1.53 0.00	31.46 1.24 0.00	26.71 0.73 0.00	22.68 0.55 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	23.03 1.82 -0.09	20.88 1.56 -0.03	20.45 1.51 -0.01	19.47 1.44 -0.05	20.16 1.42 -0.11	23.29 1.59 -0.19	31.01 1.77 -0.69	33.70 2.42 -0.27	32.27 2.25 0.00	31.73 2.05 0.00	31.62 2.12 0.00	31.93 2.37 0.00	31.10 2.09 0.00	30.90 2.10 0.00	30.10 2.20 0.00	29.20 2.16 0.00	31.40 2.35 -0.01	33.41 2.59 -0.37	35.99 2.82 -0.70	39.52 3.05 -1.01	40.40 2.99 -0.89	32.80 2.18 -0.40	28.01 1.69 -0.33	25.39 1.64 -1.63



BRISTLHL_115KV_TB1 79998	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.14 -0.37 0.00	27.90 -0.66 0.00	30.55 -0.47 0.00	29.39 -0.63 0.00	29.06 -0.62 0.00	28.88 -0.62 0.00	28.95 -0.62 0.00	28.40 -0.61 0.00	28.22 -0.58 0.00	27.25 -0.64 0.00	26.33 -0.70 0.00	28.29 -0.76 0.00	29.90 -0.55 0.00	31.95 -0.52 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.68 -0.54 0.00	25.49 -0.49 0.00	21.68 -0.44 0.00
BROOKHAVEN___DRP 24191	23.59 1.75 -0.71	21.04 1.52 -0.22	20.54 1.49 -0.12	19.94 1.42 -0.53	21.27 1.38 -1.26	24.84 1.55 -1.79	38.92 1.77 -8.60	36.73 2.39 -3.33	32.18 2.16 0.00	31.64 1.96 0.00	31.53 2.04 0.00	31.84 2.28 0.00	30.99 1.97 0.00	30.78 1.99 0.00	30.01 2.12 0.00	29.11 2.08 0.00	31.45 2.29 -0.11	37.61 2.50 -4.67	43.97 2.76 -8.74	51.13 2.98 -12.69	50.54 2.92 -11.10	37.39 2.12 -5.05	31.81 1.64 -4.19	26.73 1.55 -3.05
BROOKLYN_NAVY_YARD 23515	22.50 1.37 0.00	20.39 1.10 0.00	19.94 1.02 0.00	19.01 1.02 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.21 1.66 0.00	33.37 2.36 0.00	33.33 2.10 -1.21	34.11 2.17 -2.26	32.80 2.03 -1.27	33.68 2.10 -2.01	31.56 2.00 -0.54	31.18 1.93 -0.45	30.83 1.90 -1.04	31.19 1.86 -2.30	32.77 2.00 -1.72	33.01 2.40 -0.15	35.16 2.69 0.00	38.29 2.84 0.00	39.22 2.70 0.00	32.49 2.27 0.00	27.36 1.38 0.00	23.30 1.17 0.00
BROOKLYN___ARMY_DRP 323595	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
BROOKVLE_69_KV_TB1 55790	22.77 1.63 -0.02	20.69 1.39 -0.01	20.25 1.32 0.00	19.28 1.29 0.00	19.89 1.25 -0.01	22.92 1.38 -0.03	30.35 1.80 0.00	33.46 2.45 0.00	32.15 2.13 0.00	31.76 2.08 0.00	31.65 2.15 0.00	31.84 2.28 0.00	31.13 2.12 0.00	30.90 2.10 0.00	30.04 2.15 0.00	29.11 2.08 0.00	31.25 2.21 0.00	33.04 2.59 0.00	35.23 2.76 0.00	38.44 2.98 0.00	39.44 2.92 0.00	32.34 2.12 0.00	27.65 1.66 0.00	25.05 1.44 -1.49
BROOME_2_LFGE 323671	21.17 0.04 0.00	19.37 0.08 0.00	19.04 0.11 0.00	18.02 0.04 0.00	18.78 0.15 0.00	21.77 0.26 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.14 0.12 0.00	29.86 0.18 0.00	29.53 0.03 0.00	29.54 -0.03 0.00	29.04 0.03 0.00	28.88 0.09 0.00	27.92 0.03 0.00	26.98 -0.05 0.00	28.95 -0.09 0.00	30.69 0.24 0.00	32.66 0.20 0.00	35.78 0.32 0.00	36.96 0.44 0.00	30.56 0.33 0.00	26.24 0.26 0.00	22.24 0.11 0.00
BROOME___LFGE 323600	21.17 0.04 0.00	19.37 0.08 0.00	19.04 0.11 0.00	18.02 0.04 0.00	18.78 0.15 0.00	21.77 0.26 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.14 0.12 0.00	29.86 0.18 0.00	29.53 0.03 0.00	29.54 -0.03 0.00	29.04 0.03 0.00	28.88 0.09 0.00	27.92 0.03 0.00	26.98 -0.05 0.00	28.95 -0.09 0.00	30.69 0.24 0.00	32.66 0.20 0.00	35.78 0.32 0.00	36.96 0.44 0.00	30.56 0.33 0.00	26.24 0.26 0.00	22.24 0.11 0.00
BROWNFLS_115KV_TB_3_5 80003	20.39 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.81 -0.74 0.00	30.18 -0.84 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.70 -0.80 0.00	28.77 -0.80 0.00	28.17 -0.84 0.00	27.96 -0.84 0.00	27.09 -0.81 0.00	26.36 -0.68 0.00	28.40 -0.64 0.00	29.66 -0.79 0.00	31.66 -0.81 0.00	34.68 -0.78 0.00	35.90 -0.62 0.00	29.80 -0.42 0.00	25.52 -0.47 0.00	21.68 -0.44 0.00
BROWNSV1_27_KV_LOAD 356125	22.75 1.63 0.00	20.60 1.31 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.77 1.14 0.00	22.76 1.25 0.00	30.41 1.86 0.00	33.56 2.54 0.00	33.48 2.25 -1.21	34.20 2.26 -2.26	32.98 2.21 -1.27	33.82 2.25 -2.01	31.73 2.18 -0.54	31.35 2.10 -0.45	31.03 2.09 -1.04	31.36 2.03 -2.30	32.91 2.15 -1.72	33.16 2.56 -0.15	35.23 2.76 0.00	38.40 2.94 0.00	39.37 2.85 0.00	32.28 2.06 0.00	27.54 1.56 0.00	23.56 1.44 0.00
BURROWS___LYONSDAL 23803	21.19 0.06 0.00	19.35 0.06 0.00	18.94 0.02 0.00	17.98 0.00 0.00	18.63 0.00 0.00	21.64 0.13 0.00	28.84 0.29 0.00	31.51 0.50 0.00	30.26 0.24 0.00	30.01 0.33 0.00	29.70 0.21 0.00	29.78 0.21 0.00	29.19 0.17 0.00	28.97 0.17 0.00	27.98 0.08 0.00	27.28 0.24 0.00	29.36 0.32 0.00	30.90 0.46 0.00	33.02 0.55 0.00	36.13 0.67 0.00	37.36 0.84 0.00	30.86 0.63 0.00	26.40 0.42 0.00	22.44 0.31 0.00
CAITHNESS_CC_1 323624	23.57 1.73 -0.71	21.04 1.52 -0.22	20.53 1.48 -0.13	19.93 1.40 -0.54	21.27 1.36 -1.27	24.82 1.53 -1.79	39.02 1.86 -8.61	36.86 2.51 -3.33	32.30 2.28 0.00	31.88 2.20 0.00	31.71 2.21 0.00	32.03 2.45 -0.01	31.19 2.18 0.00	31.01 2.22 0.00	30.13 2.23 -0.01	29.28 2.24 -0.01	31.60 2.44 -0.12	37.81 2.68 -4.68	44.25 3.02 -8.76	51.37 3.19 -12.72	50.74 3.10 -11.12	37.92 2.63 -5.07	31.90 1.71 -4.20	26.73 1.55 -3.05
CALPINE BETH_PAGE_GT4 24209	22.86 1.71 -0.03	20.77 1.47 -0.01	20.30 1.38 0.00	19.36 1.37 -0.01	19.97 1.32 -0.01	23.02 1.46 -0.05	30.24 1.68 0.00	33.31 2.29 0.00	32.00 1.98 0.00	31.55 1.87 0.00	31.41 1.92 0.00	31.70 2.13 0.00	30.93 1.91 0.00	30.70 1.90 0.00	29.90 2.01 0.00	28.98 1.95 0.00	31.10 2.06 0.00	32.91 2.47 0.00	35.13 2.66 0.00	38.33 2.87 0.00	39.33 2.81 0.00	32.25 2.03 0.00	27.57 1.58 0.00	25.05 1.42 -1.50
CALPINE_BETH_PAGE_GT_4 323586	22.86 1.71 -0.03	20.77 1.47 -0.01	20.31 1.38 -0.01	19.37 1.37 -0.01	19.98 1.32 -0.03	23.02 1.46 -0.05	30.36 1.80 0.00	33.46 2.45 0.00	32.15 2.13 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.88 2.31 -0.01	31.13 2.12 0.00	30.93 2.13 0.00	30.02 2.12 -0.01	29.15 2.11 -0.01	31.32 2.27 -0.01	33.14 2.68 -0.01	35.46 2.99 -0.01	38.59 3.12 -0.01	39.59 3.07 -0.01	32.80 2.57 -0.01	27.68 1.69 -0.01	25.05 1.42 -1.50
CALPINE_BP_GT1 23823	22.86 1.71 -0.03	20.77 1.47 -0.01	20.31 1.38 -0.01	19.37 1.37 -0.01	19.98 1.32 -0.03	23.02 1.46 -0.05	30.36 1.80 0.00	33.46 2.45 0.00	32.15 2.13 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.88 2.31 -0.01	31.13 2.12 0.00	30.93 2.13 0.00	30.02 2.12 -0.01	29.15 2.11 -0.01	31.32 2.27 -0.01	33.14 2.68 -0.01	35.46 2.99 -0.01	38.59 3.12 -0.01	39.59 3.07 -0.01	32.80 2.57 -0.01	27.68 1.69 -0.01	25.05 1.42 -1.50
CALSPAN___DRP 24200	20.49 -0.63 0.00	18.83 -0.46 0.00	18.64 -0.28 0.00	17.52 -0.47 0.00	18.50 -0.13 0.00	21.55 0.04 0.00	27.64 -0.91 0.00	30.15 -0.87 0.00	28.91 -1.11 0.00	28.34 -1.34 0.00	28.26 -1.24 0.00	28.21 -1.36 0.00	27.74 -1.28 0.00	27.76 -1.04 0.00	26.58 -1.31 0.00	25.79 -1.24 0.00	27.56 -1.48 0.00	29.38 -1.07 0.00	31.59 -0.88 0.00	34.43 -1.03 0.00	35.57 -0.95 0.00	29.50 -0.73 0.00	25.54 -0.44 0.00	21.86 -0.27 0.00



CALVERTON___SOLAR 323806	23.63 1.79 -0.71	21.10 1.58 -0.22	20.58 1.53 -0.13	19.98 1.46 -0.54	21.32 1.42 -1.27	24.89 1.59 -1.79	39.12 1.97 -8.60	36.97 2.63 -3.33	32.39 2.37 0.00	31.97 2.29 0.00	31.80 2.30 0.00	32.12 2.54 -0.01	31.28 2.26 0.00	31.10 2.30 0.00	30.22 2.31 -0.01	29.34 2.30 -0.01	31.69 2.53 -0.12	37.92 2.80 -4.68	44.36 3.15 -8.75	51.49 3.33 -12.70	50.91 3.29 -11.11	38.04 2.75 -5.06	32.00 1.82 -4.20	26.79 1.61 -3.05
CANDIGU_WT_PWR 323617	20.70 -0.42 0.00	19.02 -0.27 0.00	18.79 -0.13 0.00	17.73 -0.25 0.00	18.63 0.00 0.00	21.70 0.19 0.00	28.24 -0.31 0.00	31.01 0.00 0.00	29.63 -0.39 0.00	29.33 -0.35 0.00	28.91 -0.59 0.00	28.80 -0.77 0.00	28.37 -0.64 0.00	28.33 -0.46 0.00	27.34 -0.56 0.00	26.38 -0.65 0.00	28.29 -0.76 0.00	30.14 -0.30 0.00	32.01 -0.45 0.00	35.21 -0.25 0.00	36.44 -0.07 0.00	30.22 0.00 0.00	26.04 0.05 0.00	22.08 -0.04 0.00
CARR STREET_E_SYR 24060	20.83 -0.30 0.00	19.06 -0.23 0.00	18.71 -0.21 0.00	17.73 -0.25 0.00	18.45 -0.19 0.00	21.36 -0.15 0.00	28.21 -0.34 0.00	30.95 -0.06 0.00	29.78 -0.24 0.00	29.53 -0.15 0.00	29.26 -0.24 0.00	29.30 -0.27 0.00	28.78 -0.23 0.00	28.62 -0.17 0.00	27.64 -0.25 0.00	26.71 -0.32 0.00	28.66 -0.38 0.00	30.30 -0.15 0.00	32.24 -0.23 0.00	35.28 -0.18 0.00	36.44 -0.07 0.00	30.07 -0.15 0.00	25.80 -0.18 0.00	21.91 -0.22 0.00
CARTHAGE___PAPER 23857	20.70 -0.42 0.00	18.92 -0.37 0.00	18.49 -0.43 0.00	17.55 -0.43 0.00	18.21 -0.43 0.00	21.19 -0.32 0.00	28.30 -0.26 0.00	30.86 -0.15 0.00	29.51 -0.51 0.00	29.26 -0.42 0.00	28.99 -0.50 0.00	29.04 -0.53 0.00	28.40 -0.61 0.00	28.16 -0.63 0.00	27.22 -0.67 0.00	26.57 -0.46 0.00	28.63 -0.41 0.00	30.14 -0.30 0.00	32.24 -0.23 0.00	35.42 -0.04 0.00	36.74 0.22 0.00	30.35 0.12 0.00	25.93 -0.05 0.00	22.04 -0.09 0.00
CASSADAGA_WT_PWR 323784	20.79 -0.34 0.00	19.14 -0.15 0.00	18.94 0.02 0.00	17.81 -0.18 0.00	18.82 0.19 0.00	21.96 0.45 0.00	28.41 -0.14 0.00	31.20 0.19 0.00	29.75 -0.27 0.00	29.44 -0.24 0.00	29.02 -0.47 0.00	28.86 -0.71 0.00	28.46 -0.55 0.00	28.45 -0.34 0.00	27.39 -0.50 0.00	26.49 -0.54 0.00	28.37 -0.67 0.00	30.36 -0.09 0.00	32.28 -0.19 0.00	35.71 0.25 0.00	37.03 0.51 0.00	30.77 0.54 0.00	26.55 0.57 0.00	22.46 0.33 0.00
CE_DUNWOOD___DRP 24194	22.41 1.29 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.99 1.01 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.03 2.02 0.00	31.73 1.71 0.00	31.40 1.72 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.61 2.14 0.00	37.76 2.30 0.00	38.74 2.23 0.00	31.77 1.54 0.00	27.18 1.20 0.00	23.21 1.08 0.00
CE_MILLWOOD___DRP 24193	22.37 1.25 0.00	20.33 1.04 0.00	19.91 0.98 0.00	18.96 0.97 0.00	19.55 0.91 0.00	22.50 0.99 0.00	29.98 1.43 0.00	32.97 1.95 0.00	31.64 1.62 0.00	31.34 1.66 0.00	31.12 1.62 0.00	31.22 1.66 0.00	30.64 1.62 0.00	30.32 1.53 0.00	29.46 1.56 0.00	28.55 1.51 0.00	30.61 1.57 0.00	32.40 1.95 0.00	34.55 2.08 0.00	37.66 2.20 0.00	38.64 2.12 0.00	31.70 1.48 0.00	27.13 1.14 0.00	23.17 1.04 0.00
CE_NYC2_DRP 24202	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.22 1.98 -1.22	33.95 1.99 -2.29	32.76 1.98 -1.29	33.58 1.98 -2.03	31.53 1.97 -0.55	31.13 1.87 -0.46	30.82 1.87 -1.05	31.16 1.81 -2.32	32.70 1.92 -1.74	32.92 2.31 -0.16	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.45 1.33 0.00
CE_NYC_DRP 24195	22.60 1.48 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.24 2.01 -1.21	33.96 2.02 -2.26	32.74 1.98 -1.27	33.58 2.01 -2.00	31.53 1.97 -0.54	31.12 1.87 -0.45	30.83 1.90 -1.04	31.16 1.84 -2.29	32.71 1.95 -1.72	32.92 2.31 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.39 1.26 0.00
CHAFFEE___LFGE 323603	20.53 -0.59 0.00	18.87 -0.42 0.00	18.68 -0.25 0.00	17.57 -0.41 0.00	18.54 -0.09 0.00	21.59 0.09 0.00	27.81 -0.74 0.00	30.33 -0.68 0.00	29.06 -0.96 0.00	28.79 -0.89 0.00	28.38 -1.12 0.00	28.24 -1.33 0.00	27.88 -1.13 0.00	27.87 -0.92 0.00	26.89 -1.00 0.00	25.92 -1.11 0.00	27.68 -1.36 0.00	29.50 -0.94 0.00	31.20 -1.27 0.00	34.43 -1.03 0.00	35.64 -0.88 0.00	29.68 -0.54 0.00	25.62 -0.36 0.00	21.88 -0.24 0.00
CHATEAUG_35_KV_LOAD 355732	20.55 -0.57 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.21 -0.43 0.00	20.99 -0.52 0.00	27.87 -0.69 0.00	29.93 -1.09 0.00	29.45 -0.57 0.00	29.15 -0.53 0.00	29.11 -0.38 0.00	29.18 -0.38 0.00	28.61 -0.41 0.00	28.51 -0.29 0.00	27.81 -0.08 0.00	27.09 0.05 0.00	29.22 0.17 0.00	30.30 -0.15 0.00	32.24 -0.23 0.00	35.28 -0.18 0.00	36.37 -0.15 0.00	30.38 0.15 0.00	26.01 0.03 0.00	22.06 -0.07 0.00
CHATEAUG_WT_PWR 323614	20.49 -0.63 0.00	18.73 -0.56 0.00	18.37 -0.55 0.00	17.52 -0.47 0.00	18.15 -0.48 0.00	20.91 -0.60 0.00	26.81 -1.74 0.00	28.01 -3.01 0.00	27.56 -2.46 0.00	27.22 -2.46 0.00	27.34 -2.15 0.00	27.41 -2.16 0.00	26.87 -2.15 0.00	26.78 -2.02 0.00	26.14 -1.76 0.00	25.52 -1.51 0.00	27.47 -1.57 0.00	28.50 -1.95 0.00	30.39 -2.08 0.00	33.22 -2.23 0.00	34.22 -2.30 0.00	28.38 -1.84 0.00	25.07 -0.91 0.00	22.04 -0.09 0.00
CHAT_HIGH_FALL_HYD 323578	20.55 -0.57 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.21 -0.43 0.00	20.99 -0.52 0.00	27.87 -0.69 0.00	29.93 -1.09 0.00	29.45 -0.57 0.00	29.15 -0.53 0.00	29.11 -0.38 0.00	29.18 -0.38 0.00	28.61 -0.41 0.00	28.51 -0.29 0.00	27.81 -0.08 0.00	27.09 0.05 0.00	29.22 0.17 0.00	30.30 -0.15 0.00	32.24 -0.23 0.00	35.28 -0.18 0.00	36.37 -0.15 0.00	30.38 0.15 0.00	26.01 0.03 0.00	22.06 -0.07 0.00
CHAUTAUQUA___LFGE 323629	20.77 -0.36 0.00	19.10 -0.19 0.00	18.90 -0.02 0.00	17.77 -0.22 0.00	18.78 0.15 0.00	21.87 0.37 0.00	28.21 -0.34 0.00	30.89 -0.12 0.00	29.51 -0.51 0.00	29.20 -0.48 0.00	28.79 -0.71 0.00	28.62 -0.95 0.00	28.26 -0.75 0.00	28.28 -0.52 0.00	27.22 -0.67 0.00	26.30 -0.73 0.00	28.14 -0.90 0.00	30.05 -0.40 0.00	31.85 -0.62 0.00	35.21 -0.25 0.00	36.44 -0.07 0.00	30.35 0.12 0.00	26.22 0.23 0.00	22.26 0.13 0.00
CHERRYST_13_KV_LD 356241	22.65 1.52 0.00	20.54 1.25 0.00	20.08 1.15 0.00	19.14 1.15 0.00	19.70 1.06 0.00	22.67 1.16 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.33 2.10 -1.21	34.08 2.14 -2.26	32.86 2.09 -1.27	33.70 2.13 -2.00	31.62 2.06 -0.54	31.24 1.99 -0.45	30.94 2.01 -1.04	31.24 1.92 -2.29	32.79 2.03 -1.72	33.04 2.44 -0.15	35.07 2.60 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.10 1.87 0.00	27.41 1.43 0.00	23.45 1.33 0.00



CHESTROR_138KV_BK263 355645	22.08 0.95 0.00	20.08 0.79 0.00	19.66 0.74 0.00	18.72 0.74 0.00	19.32 0.69 0.00	22.26 0.75 0.00	29.64 1.09 0.00	32.50 1.49 0.00	31.16 1.14 0.00	30.84 1.16 0.00	30.62 1.12 0.00	30.69 1.12 0.00	30.14 1.13 0.00	29.86 1.07 0.00	28.98 1.09 0.00	28.06 1.03 0.00	30.14 1.10 0.00	31.85 1.40 0.00	33.96 1.49 0.00	37.05 1.60 0.00	38.05 1.53 0.00	31.25 1.03 0.00	26.84 0.86 0.00	22.88 0.75 0.00
CH_MIDHUDSON___DRP 24192	22.48 1.35 0.00	20.41 1.12 0.00	20.00 1.08 0.00	19.03 1.04 0.00	19.62 0.99 0.00	22.63 1.12 0.00	30.27 1.71 0.00	33.15 2.14 0.00	31.82 1.80 0.00	31.52 1.84 0.00	31.30 1.80 0.00	31.37 1.80 0.00	30.84 1.83 0.00	30.55 1.76 0.00	29.62 1.73 0.00	28.79 1.76 0.00	30.75 1.71 0.00	32.55 2.10 0.00	34.74 2.27 0.00	37.83 2.38 0.00	38.85 2.34 0.00	31.86 1.63 0.00	27.28 1.30 0.00	23.26 1.13 0.00
CH_MISC_IPPS 23765	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.02 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.36 1.80 0.00	33.28 2.26 0.00	32.00 1.98 0.00	31.76 2.08 0.00	31.47 1.98 0.00	31.55 1.98 0.00	31.01 2.00 0.00	30.70 1.90 0.00	29.73 1.84 0.00	29.01 1.97 0.00	30.90 1.86 0.00	32.70 2.25 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.04 2.52 0.00	32.25 2.03 0.00	27.33 1.35 0.00	23.23 1.11 0.00
CH_RES_BVR_FALLS 23983	20.68 -0.44 0.00	18.88 -0.41 0.00	18.51 -0.42 0.00	17.59 -0.40 0.00	18.21 -0.43 0.00	21.01 -0.49 0.00	27.84 -0.71 0.00	29.99 -1.02 0.00	29.21 -0.81 0.00	28.82 -0.86 0.00	28.73 -0.77 0.00	28.83 -0.74 0.00	28.29 -0.72 0.00	28.10 -0.69 0.00	27.28 -0.61 0.00	26.52 -0.51 0.00	28.52 -0.52 0.00	29.72 -0.73 0.00	31.69 -0.78 0.00	34.57 -0.89 0.00	35.61 -0.91 0.00	29.47 -0.75 0.00	25.49 -0.49 0.00	21.75 -0.38 0.00
CH_RES_NIAGARA 23895	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
CH_RES_SYRACUSE 23985	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.36 -0.20 0.00	31.08 0.06 0.00	29.93 -0.09 0.00	29.65 -0.03 0.00	29.38 -0.12 0.00	29.45 -0.12 0.00	28.90 -0.12 0.00	28.74 -0.06 0.00	27.78 -0.11 0.00	26.82 -0.22 0.00	28.78 -0.26 0.00	30.45 0.00 0.00	32.40 -0.06 0.00	35.49 0.04 0.00	36.66 0.15 0.00	30.25 0.03 0.00	25.93 -0.05 0.00	22.04 -0.09 0.00
CLINTON_WT_PWR 323605	20.49 -0.63 0.00	18.73 -0.56 0.00	18.37 -0.55 0.00	17.52 -0.47 0.00	18.15 -0.48 0.00	20.91 -0.60 0.00	26.81 -1.74 0.00	28.01 -3.01 0.00	27.56 -2.46 0.00	27.22 -2.46 0.00	27.34 -2.15 0.00	27.41 -2.16 0.00	26.87 -2.15 0.00	26.78 -2.02 0.00	26.14 -1.76 0.00	25.52 -1.51 0.00	27.47 -1.57 0.00	28.50 -1.95 0.00	30.39 -2.08 0.00	33.22 -2.23 0.00	34.22 -2.30 0.00	28.38 -1.84 0.00	25.07 -0.91 0.00	22.04 -0.09 0.00
CLINTON___LFGE 323618	20.64 -0.49 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.64 -0.34 0.00	18.30 -0.33 0.00	21.08 -0.43 0.00	26.56 -2.00 0.00	27.42 -3.60 0.00	26.99 -3.03 0.00	26.59 -3.09 0.00	26.75 -2.74 0.00	26.85 -2.72 0.00	26.32 -2.70 0.00	26.26 -2.53 0.00	25.69 -2.20 0.00	25.14 -1.89 0.00	27.15 -1.89 0.00	28.16 -2.28 0.00	30.00 -2.47 0.00	32.83 -2.62 0.00	33.82 -2.70 0.00	28.05 -2.18 0.00	25.05 -0.93 0.00	22.39 0.27 0.00
COBBLENY_34_KV_TB1 80064	20.53 -0.59 0.00	18.87 -0.42 0.00	18.68 -0.25 0.00	17.55 -0.43 0.00	18.54 -0.09 0.00	21.59 0.09 0.00	27.73 -0.83 0.00	30.27 -0.74 0.00	29.03 -0.99 0.00	28.43 -1.25 0.00	28.38 -1.12 0.00	28.30 -1.27 0.00	27.85 -1.16 0.00	27.87 -0.92 0.00	26.69 -1.20 0.00	25.87 -1.16 0.00	27.68 -1.36 0.00	29.50 -0.94 0.00	31.72 -0.75 0.00	34.57 -0.89 0.00	35.71 -0.80 0.00	29.59 -0.63 0.00	25.62 -0.36 0.00	21.88 -0.24 0.00
COFFEEN___115KV_TB3 355620	20.87 -0.25 0.00	19.10 -0.19 0.00	18.64 -0.28 0.00	17.68 -0.31 0.00	18.35 -0.28 0.00	21.38 -0.13 0.00	28.56 0.00 0.00	31.23 0.22 0.00	29.75 -0.27 0.00	29.56 -0.12 0.00	29.26 -0.24 0.00	29.30 -0.27 0.00	28.67 -0.35 0.00	28.39 -0.40 0.00	27.42 -0.47 0.00	26.71 -0.32 0.00	28.81 -0.23 0.00	30.42 -0.03 0.00	32.60 0.13 0.00	35.85 0.39 0.00	37.21 0.69 0.00	30.71 0.48 0.00	26.17 0.18 0.00	22.24 0.11 0.00
COLDSPRG_115KV_BK1 355956	21.08 -0.04 0.00	19.39 0.10 0.00	19.19 0.26 0.00	18.04 0.05 0.00	19.06 0.43 0.00	22.24 0.73 0.00	28.67 0.11 0.00	31.57 0.56 0.00	30.11 0.09 0.00	29.47 -0.21 0.00	29.35 -0.15 0.00	29.24 -0.33 0.00	28.78 -0.23 0.00	28.77 -0.03 0.00	27.56 -0.33 0.00	26.71 -0.32 0.00	28.61 -0.44 0.00	30.57 0.12 0.00	32.89 0.42 0.00	36.02 0.57 0.00	37.21 0.69 0.00	30.74 0.51 0.00	26.69 0.70 0.00	22.55 0.42 0.00
COLONIE_LFGE___ 323577	21.67 0.55 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.50 0.00	29.53 0.97 0.00	32.26 1.24 0.00	30.92 0.90 0.00	30.60 0.92 0.00	30.35 0.86 0.00	30.45 0.89 0.00	29.82 0.81 0.00	29.52 0.72 0.00	28.62 0.72 0.00	27.76 0.73 0.00	29.88 0.84 0.00	31.58 1.13 0.00	33.77 1.30 0.00	36.84 1.38 0.00	37.79 1.28 0.00	31.28 1.06 0.00	26.58 0.60 0.00	22.57 0.44 0.00
COOPERNY_115KV_TB1 80082	21.82 0.70 0.00	19.87 0.58 0.00	19.47 0.55 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.09 0.58 0.00	29.33 0.77 0.00	32.13 1.12 0.00	30.86 0.84 0.00	30.54 0.86 0.00	30.32 0.83 0.00	30.40 0.83 0.00	29.83 0.81 0.00	29.57 0.78 0.00	28.68 0.78 0.00	27.79 0.76 0.00	29.82 0.78 0.00	31.48 1.04 0.00	33.57 1.10 0.00	36.63 1.17 0.00	37.65 1.13 0.00	31.01 0.79 0.00	26.63 0.65 0.00	22.70 0.58 0.00
COPENHAGEN_WT_PWR 323753	20.74 -0.38 0.00	18.98 -0.31 0.00	18.54 -0.38 0.00	17.61 -0.38 0.00	18.26 -0.37 0.00	21.25 -0.26 0.00	28.36 -0.20 0.00	31.01 0.00 0.00	29.60 -0.42 0.00	29.41 -0.27 0.00	29.11 -0.38 0.00	29.15 -0.41 0.00	28.55 -0.47 0.00	28.31 -0.49 0.00	27.34 -0.56 0.00	26.60 -0.43 0.00	28.66 -0.38 0.00	30.20 -0.24 0.00	32.31 -0.16 0.00	35.49 0.04 0.00	36.81 0.29 0.00	30.41 0.18 0.00	25.96 -0.03 0.00	22.06 -0.07 0.00
CORNELL_____ 23752	21.40 0.27 0.00	19.60 0.31 0.00	19.24 0.32 0.00	18.22 0.23 0.00	18.97 0.34 0.00	22.02 0.52 0.00	28.98 0.43 0.00	31.85 0.84 0.00	30.53 0.51 0.00	30.13 0.45 0.00	29.88 0.38 0.00	29.89 0.33 0.00	29.33 0.32 0.00	29.20 0.40 0.00	28.15 0.25 0.00	27.22 0.19 0.00	29.27 0.23 0.00	31.09 0.64 0.00	33.28 0.81 0.00	36.41 0.96 0.00	37.69 1.17 0.00	30.98 0.76 0.00	26.63 0.65 0.00	22.59 0.46 0.00



CORONA_69_KV_TB1 355595	22.75 1.61 -0.02	20.69 1.39 -0.01	20.25 1.32 0.00	19.28 1.29 0.00	19.88 1.25 0.00	22.88 1.35 -0.02	30.27 1.71 0.00	33.37 2.36 0.00	32.06 2.04 0.00	31.64 1.96 0.00	31.53 2.04 0.00	31.76 2.19 0.00	31.02 2.00 0.00	30.78 1.99 0.00	29.96 2.06 0.00	29.03 2.00 0.00	31.16 2.12 0.00	32.94 2.50 0.00	35.13 2.66 0.00	38.33 2.87 0.00	39.33 2.81 0.00	32.28 2.06 0.00	27.62 1.64 0.00	25.02 1.42 -1.48
CORTLAND_115KV_TB3 80093	21.48 0.36 0.00	19.66 0.37 0.00	19.28 0.36 0.00	18.27 0.29 0.00	18.99 0.35 0.00	22.02 0.52 0.00	29.21 0.66 0.00	32.04 1.02 0.00	30.80 0.78 0.00	30.45 0.77 0.00	30.20 0.71 0.00	30.28 0.71 0.00	29.68 0.67 0.00	29.52 0.72 0.00	28.45 0.56 0.00	27.52 0.49 0.00	29.56 0.52 0.00	31.27 0.82 0.00	33.41 0.94 0.00	36.52 1.06 0.00	37.80 1.28 0.00	31.04 0.82 0.00	26.63 0.65 0.00	22.61 0.49 0.00
COXSACKIE___GT 23611	22.01 0.89 0.00	20.08 0.79 0.00	19.72 0.79 0.00	18.76 0.77 0.00	19.40 0.76 0.00	22.37 0.86 0.00	30.30 1.74 0.00	32.84 1.83 0.00	31.52 1.50 0.00	31.10 1.42 0.00	30.76 1.27 0.00	30.72 1.15 0.00	30.18 1.16 0.00	29.89 1.09 0.00	28.93 1.03 0.00	28.06 1.03 0.00	30.20 1.16 0.00	31.94 1.49 0.00	34.32 1.85 0.00	37.41 1.95 0.00	38.38 1.86 0.00	31.62 1.39 0.00	26.95 0.96 0.00	22.90 0.77 0.00
CPV_VALLEY___CC1 323721	21.91 0.78 0.00	19.95 0.66 0.00	19.53 0.61 0.00	18.60 0.61 0.00	19.19 0.56 0.00	22.11 0.60 0.00	29.50 0.94 0.00	32.38 1.36 0.00	31.13 1.11 0.00	30.87 1.19 0.00	30.56 1.06 0.00	30.66 1.09 0.00	30.09 1.07 0.00	29.80 1.01 0.00	28.90 1.00 0.00	28.01 0.97 0.00	30.08 1.04 0.00	31.79 1.34 0.00	34.00 1.53 0.00	37.02 1.56 0.00	38.02 1.50 0.00	31.46 1.24 0.00	26.76 0.78 0.00	22.72 0.60 0.00
CPV_VALLEY___CC2 323722	21.91 0.78 0.00	19.95 0.66 0.00	19.53 0.61 0.00	18.60 0.61 0.00	19.19 0.56 0.00	22.11 0.60 0.00	29.50 0.94 0.00	32.38 1.36 0.00	31.13 1.11 0.00	30.87 1.19 0.00	30.56 1.06 0.00	30.66 1.09 0.00	30.09 1.07 0.00	29.80 1.01 0.00	28.90 1.00 0.00	28.01 0.97 0.00	30.08 1.04 0.00	31.79 1.34 0.00	34.00 1.53 0.00	37.02 1.56 0.00	38.02 1.50 0.00	31.46 1.24 0.00	26.76 0.78 0.00	22.72 0.60 0.00
CRESCENT___HYD 24018	21.67 0.55 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.50 0.00	29.53 0.97 0.00	32.26 1.24 0.00	30.92 0.90 0.00	30.60 0.92 0.00	30.35 0.86 0.00	30.45 0.89 0.00	29.82 0.81 0.00	29.52 0.72 0.00	28.62 0.72 0.00	27.76 0.73 0.00	29.88 0.84 0.00	31.58 1.13 0.00	33.77 1.30 0.00	36.84 1.38 0.00	37.79 1.28 0.00	31.28 1.06 0.00	26.58 0.60 0.00	22.57 0.44 0.00
CRICKET___VALLEY_CC1 323756	22.05 0.93 0.00	20.12 0.83 0.00	19.74 0.81 0.00	18.79 0.81 0.00	19.40 0.76 0.00	22.26 0.75 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.31 1.29 0.00	31.05 1.37 0.00	30.73 1.24 0.00	30.84 1.27 0.00	30.20 1.19 0.00	29.86 1.07 0.00	28.95 1.06 0.00	28.14 1.11 0.00	30.29 1.25 0.00	32.06 1.61 0.00	34.35 1.88 0.00	37.44 1.98 0.00	38.38 1.86 0.00	31.73 1.51 0.00	26.81 0.83 0.00	22.79 0.66 0.00
CRICKET___VALLEY_CC2 323757	22.05 0.93 0.00	20.12 0.83 0.00	19.74 0.81 0.00	18.79 0.81 0.00	19.40 0.76 0.00	22.26 0.75 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.31 1.29 0.00	31.05 1.37 0.00	30.73 1.24 0.00	30.84 1.27 0.00	30.20 1.19 0.00	29.86 1.07 0.00	28.95 1.06 0.00	28.14 1.11 0.00	30.29 1.25 0.00	32.06 1.61 0.00	34.35 1.88 0.00	37.44 1.98 0.00	38.38 1.86 0.00	31.73 1.51 0.00	26.81 0.83 0.00	22.79 0.66 0.00
CRICKET___VALLEY_CC3 323758	22.05 0.93 0.00	20.12 0.83 0.00	19.74 0.81 0.00	18.79 0.81 0.00	19.40 0.76 0.00	22.26 0.75 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.31 1.29 0.00	31.05 1.37 0.00	30.73 1.24 0.00	30.84 1.27 0.00	30.20 1.19 0.00	29.86 1.07 0.00	28.95 1.06 0.00	28.14 1.11 0.00	30.29 1.25 0.00	32.06 1.61 0.00	34.35 1.88 0.00	37.44 1.98 0.00	38.38 1.86 0.00	31.73 1.51 0.00	26.81 0.83 0.00	22.79 0.66 0.00
CRUCIBLE_METL_DRP 24180	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
DAHOWA___HYDRO 323763	21.70 0.57 0.00	19.79 0.50 0.00	19.45 0.53 0.00	18.54 0.56 0.00	19.15 0.52 0.00	22.07 0.56 0.00	29.67 1.11 0.00	32.44 1.43 0.00	31.07 1.05 0.00	30.72 1.04 0.00	30.53 1.03 0.00	30.60 1.03 0.00	29.97 0.96 0.00	29.72 0.92 0.00	28.76 0.87 0.00	27.87 0.84 0.00	30.00 0.96 0.00	31.79 1.34 0.00	34.00 1.53 0.00	37.02 1.56 0.00	38.05 1.53 0.00	31.46 1.24 0.00	26.71 0.73 0.00	22.68 0.55 0.00
DANC___LFGE 323619	20.70 -0.42 0.00	18.94 -0.35 0.00	18.54 -0.38 0.00	17.59 -0.40 0.00	18.26 -0.37 0.00	21.21 -0.30 0.00	28.18 -0.37 0.00	30.83 -0.18 0.00	29.54 -0.48 0.00	29.33 -0.35 0.00	29.05 -0.44 0.00	29.07 -0.50 0.00	28.52 -0.49 0.00	28.28 -0.52 0.00	27.34 -0.56 0.00	26.52 -0.51 0.00	28.55 -0.49 0.00	30.08 -0.36 0.00	32.14 -0.32 0.00	35.28 -0.18 0.00	36.55 0.04 0.00	30.19 -0.03 0.00	25.80 -0.18 0.00	21.93 -0.20 0.00
DANSKAMMER___1 23586	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.02 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.36 1.80 0.00	33.28 2.26 0.00	32.00 1.98 0.00	31.76 2.08 0.00	31.47 1.98 0.00	31.55 1.98 0.00	31.01 2.00 0.00	30.70 1.90 0.00	29.73 1.84 0.00	29.01 1.97 0.00	30.90 1.86 0.00	32.70 2.25 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.04 2.52 0.00	32.25 2.03 0.00	27.33 1.35 0.00	23.23 1.11 0.00
DANSKAMMER___2 23589	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.02 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.36 1.80 0.00	33.28 2.26 0.00	32.00 1.98 0.00	31.76 2.08 0.00	31.47 1.98 0.00	31.55 1.98 0.00	31.01 2.00 0.00	30.70 1.90 0.00	29.73 1.84 0.00	29.01 1.97 0.00	30.90 1.86 0.00	32.70 2.25 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.04 2.52 0.00	32.25 2.03 0.00	27.33 1.35 0.00	23.23 1.11 0.00
DANSKAMMER___3 23590	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.02 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.36 1.80 0.00	33.28 2.26 0.00	32.00 1.98 0.00	31.76 2.08 0.00	31.47 1.98 0.00	31.55 1.98 0.00	31.01 2.00 0.00	30.70 1.90 0.00	29.73 1.84 0.00	29.01 1.97 0.00	30.90 1.86 0.00	32.70 2.25 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.04 2.52 0.00	32.25 2.03 0.00	27.33 1.35 0.00	23.23 1.11 0.00



DANSKAMMER___4 23591	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.02 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.36 1.80 0.00	33.28 2.26 0.00	32.00 1.98 0.00	31.76 2.08 0.00	31.47 1.98 0.00	31.55 1.98 0.00	31.01 2.00 0.00	30.70 1.90 0.00	29.73 1.84 0.00	29.01 1.97 0.00	30.90 1.86 0.00	32.70 2.25 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.04 2.52 0.00	32.25 2.03 0.00	27.33 1.35 0.00	23.23 1.11 0.00
DANSKAMMER___DIESEL 23592	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.01 1.03 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.24 1.68 0.00	33.12 2.11 0.00	31.82 1.80 0.00	31.49 1.81 0.00	31.30 1.80 0.00	31.37 1.80 0.00	30.84 1.83 0.00	30.55 1.76 0.00	29.62 1.73 0.00	28.87 1.84 0.00	30.73 1.68 0.00	32.49 2.04 0.00	34.68 2.21 0.00	37.76 2.30 0.00	38.78 2.26 0.00	31.80 1.57 0.00	27.26 1.27 0.00	23.23 1.11 0.00
DARBY___SOLAR 323810	21.74 0.61 0.00	19.83 0.54 0.00	19.47 0.55 0.00	18.56 0.58 0.00	19.19 0.56 0.00	22.09 0.58 0.00	29.70 1.14 0.00	32.44 1.43 0.00	31.10 1.08 0.00	30.78 1.10 0.00	30.56 1.06 0.00	30.66 1.09 0.00	30.00 0.99 0.00	29.74 0.95 0.00	28.79 0.89 0.00	27.92 0.89 0.00	30.03 0.99 0.00	31.79 1.34 0.00	34.00 1.53 0.00	37.05 1.60 0.00	38.05 1.53 0.00	31.49 1.27 0.00	26.74 0.75 0.00	22.70 0.57 0.00
DASHVILLE___HYD 23610	22.43 1.31 0.00	20.35 1.06 0.00	19.94 1.02 0.00	18.97 0.99 0.00	19.57 0.93 0.00	22.56 1.05 0.00	30.13 1.57 0.00	33.00 1.98 0.00	31.67 1.65 0.00	31.34 1.66 0.00	31.12 1.62 0.00	31.19 1.63 0.00	30.64 1.62 0.00	30.35 1.55 0.00	29.46 1.56 0.00	28.55 1.51 0.00	30.61 1.57 0.00	32.34 1.89 0.00	34.51 2.05 0.00	37.62 2.16 0.00	38.60 2.08 0.00	31.67 1.45 0.00	27.18 1.20 0.00	23.19 1.06 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	24.01 2.18 -0.71	21.42 1.91 -0.22	20.90 1.85 -0.12	20.30 1.78 -0.53	21.64 1.75 -1.26	25.27 1.98 -1.78	39.48 2.34 -8.58	37.44 3.10 -3.32	32.87 2.85 0.00	32.26 2.58 0.00	32.21 2.71 0.00	32.55 2.99 0.00	31.65 2.64 0.00	31.44 2.65 0.00	30.63 2.73 0.00	29.71 2.68 0.00	32.09 2.93 -0.11	38.34 3.23 -4.66	44.73 3.54 -8.72	51.96 3.83 -12.67	51.40 3.80 -11.08	38.14 2.87 -5.05	32.40 2.23 -4.18	27.19 2.01 -3.05
DELAWARE___LFGE 323621	21.78 0.65 0.00	19.89 0.60 0.00	19.49 0.57 0.00	18.51 0.52 0.00	19.19 0.56 0.00	22.22 0.71 0.00	29.44 0.89 0.00	32.28 1.27 0.00	31.01 0.99 0.00	30.69 1.01 0.00	30.44 0.94 0.00	30.51 0.95 0.00	29.97 0.96 0.00	29.75 0.95 0.00	28.79 0.89 0.00	27.84 0.81 0.00	29.88 0.84 0.00	31.54 1.10 0.00	33.67 1.20 0.00	36.73 1.28 0.00	37.87 1.35 0.00	31.22 1.00 0.00	26.82 0.83 0.00	22.81 0.69 0.00
DERFIELD_115KV_TB7 355931	21.23 0.11 0.00	19.39 0.10 0.00	19.00 0.08 0.00	18.06 0.07 0.00	18.71 0.07 0.00	21.59 0.09 0.00	28.73 0.17 0.00	31.26 0.25 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.64 0.15 0.00	29.72 0.15 0.00	29.16 0.15 0.00	28.94 0.14 0.00	28.03 0.14 0.00	27.17 0.14 0.00	29.19 0.15 0.00	30.66 0.21 0.00	32.70 0.23 0.00	35.71 0.25 0.00	36.74 0.22 0.00	30.34 0.12 0.00	26.06 0.08 0.00	22.19 0.07 0.00
DOGLEVILLE___HYD 23807	20.60 -0.53 0.00	18.79 -0.50 0.00	18.39 -0.53 0.00	17.48 -0.50 0.00	18.08 -0.56 0.00	20.88 -0.62 0.00	27.87 -0.69 0.00	30.33 -0.68 0.00	29.27 -0.75 0.00	29.00 -0.68 0.00	28.76 -0.74 0.00	28.92 -0.65 0.00	28.37 -0.64 0.00	28.19 -0.61 0.00	27.31 -0.59 0.00	26.49 -0.54 0.00	28.52 -0.52 0.00	29.93 -0.52 0.00	31.95 -0.52 0.00	34.85 -0.60 0.00	35.90 -0.62 0.00	29.68 -0.54 0.00	25.36 -0.62 0.00	21.57 -0.55 0.00
DUNKIRK___115KV_TB_200 55889	20.77 -0.36 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.77 -0.22 0.00	18.76 0.13 0.00	21.85 0.34 0.00	28.10 -0.46 0.00	30.77 -0.25 0.00	29.42 -0.60 0.00	28.82 -0.86 0.00	28.70 -0.80 0.00	28.65 -0.92 0.00	28.17 -0.84 0.00	28.19 -0.60 0.00	27.00 -0.89 0.00	26.20 -0.84 0.00	28.05 -0.99 0.00	29.96 -0.49 0.00	32.21 -0.26 0.00	35.24 -0.21 0.00	36.41 -0.11 0.00	30.13 -0.09 0.00	26.11 0.13 0.00	22.22 0.09 0.00
DUNKIRK___1 23563	20.77 -0.36 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.77 -0.22 0.00	18.76 0.13 0.00	21.85 0.34 0.00	28.10 -0.46 0.00	30.77 -0.25 0.00	29.42 -0.60 0.00	28.82 -0.86 0.00	28.70 -0.80 0.00	28.65 -0.92 0.00	28.17 -0.84 0.00	28.19 -0.60 0.00	27.00 -0.89 0.00	26.20 -0.84 0.00	28.05 -0.99 0.00	29.96 -0.49 0.00	32.21 -0.26 0.00	35.24 -0.21 0.00	36.41 -0.11 0.00	30.13 -0.09 0.00	26.11 0.13 0.00	22.22 0.09 0.00
DUNKIRK___2 23564	20.77 -0.36 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.77 -0.22 0.00	18.76 0.13 0.00	21.85 0.34 0.00	28.10 -0.46 0.00	30.77 -0.25 0.00	29.42 -0.60 0.00	28.82 -0.86 0.00	28.70 -0.80 0.00	28.65 -0.92 0.00	28.17 -0.84 0.00	28.19 -0.60 0.00	27.00 -0.89 0.00	26.20 -0.84 0.00	28.05 -0.99 0.00	29.96 -0.49 0.00	32.21 -0.26 0.00	35.24 -0.21 0.00	36.41 -0.11 0.00	30.13 -0.09 0.00	26.11 0.13 0.00	22.22 0.09 0.00
DUNKIRK___3 23565	20.66 -0.46 0.00	18.98 -0.31 0.00	18.79 -0.13 0.00	17.68 -0.31 0.00	18.65 0.02 0.00	21.72 0.22 0.00	27.90 -0.66 0.00	30.52 -0.50 0.00	29.21 -0.81 0.00	28.61 -1.07 0.00	28.52 -0.97 0.00	28.44 -1.12 0.00	28.00 -1.02 0.00	27.99 -0.81 0.00	26.83 -1.06 0.00	26.03 -1.00 0.00	27.85 -1.19 0.00	29.72 -0.73 0.00	31.95 -0.52 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.86 -0.36 0.00	25.91 -0.08 0.00	22.06 -0.07 0.00
DUNKIRK___4 23566	20.66 -0.46 0.00	18.98 -0.31 0.00	18.79 -0.13 0.00	17.68 -0.31 0.00	18.65 0.02 0.00	21.72 0.22 0.00	27.90 -0.66 0.00	30.52 -0.50 0.00	29.21 -0.81 0.00	28.61 -1.07 0.00	28.52 -0.97 0.00	28.44 -1.12 0.00	28.00 -1.02 0.00	27.99 -0.81 0.00	26.83 -1.06 0.00	26.03 -1.00 0.00	27.85 -1.19 0.00	29.72 -0.73 0.00	31.95 -0.52 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.86 -0.36 0.00	25.91 -0.08 0.00	22.06 -0.07 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	22.43 1.31 0.00	20.37 1.08 0.00	19.94 1.02 0.00	18.99 1.01 0.00	19.58 0.95 0.00	22.54 1.03 0.00	30.07 1.51 0.00	33.09 2.08 0.00	31.82 1.80 0.00	31.49 1.81 0.00	31.27 1.77 0.00	31.37 1.80 0.00	30.78 1.77 0.00	30.47 1.67 0.00	29.60 1.70 0.00	28.68 1.65 0.00	30.78 1.74 0.00	32.55 2.10 0.00	34.71 2.24 0.00	37.83 2.38 0.00	38.82 2.30 0.00	31.83 1.60 0.00	27.23 1.25 0.00	23.26 1.13 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	22.24 1.12 0.00	20.22 0.93 0.00	19.79 0.87 0.00	18.83 0.85 0.00	19.44 0.80 0.00	22.41 0.90 0.00	29.90 1.34 0.00	32.75 1.74 0.00	31.43 1.41 0.00	31.10 1.42 0.00	30.88 1.39 0.00	30.96 1.39 0.00	30.41 1.39 0.00	30.12 1.32 0.00	29.23 1.34 0.00	28.22 1.19 0.00	30.41 1.36 0.00	32.12 1.67 0.00	34.29 1.82 0.00	37.37 1.91 0.00	38.38 1.86 0.00	31.49 1.27 0.00	27.02 1.04 0.00	23.03 0.91 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	22.72 1.58 -0.01	20.62 1.33 0.00	20.13 1.21 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.58 1.08 0.00	30.04 1.48 0.00	33.09 2.08 0.00	31.89 1.83 -0.03	31.59 1.84 -0.07	31.36 1.83 -0.04	31.46 1.83 -0.06	30.82 1.80 -0.01	30.53 1.73 -0.01	29.65 1.73 -0.03	28.78 1.68 -0.07	30.87 1.77 -0.05	32.59 2.13 -0.01	34.77 2.31 0.00	37.90 2.45 0.00	38.82 2.30 0.00	31.86 1.63 0.00	27.20 1.22 0.00	23.45 1.33 0.00
E179THST_13_KV_LOAD 356214	22.80 1.67 -0.01	20.68 1.39 0.00	20.21 1.29 0.00	19.26 1.28 0.00	19.79 1.16 0.00	22.65 1.14 0.00	30.16 1.60 0.00	33.25 2.23 0.00	32.04 1.98 -0.03	31.71 1.96 -0.07	31.48 1.95 -0.04	31.58 1.95 -0.06	30.97 1.94 -0.01	30.65 1.84 -0.01	29.76 1.84 -0.03	28.89 1.78 -0.07	30.98 1.89 -0.05	32.74 2.28 -0.01	34.94 2.47 0.00	38.08 2.62 0.00	39.00 2.48 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.54 1.42 0.00
EAST HAMPTON___GT 23717	24.27 2.43 -0.71	21.67 2.16 -0.22	21.13 2.08 -0.13	20.52 2.00 -0.54	21.90 1.99 -1.27	25.55 2.26 -1.78	39.97 2.83 -8.58	38.05 3.72 -3.32	33.44 3.42 0.00	32.97 3.29 0.00	32.83 3.33 0.00	33.18 3.61 -0.01	32.26 3.25 0.00	32.05 3.25 0.00	31.14 3.23 -0.01	30.26 3.22 -0.01	32.65 3.48 -0.12	38.95 3.84 -4.67	45.52 4.32 -8.73	52.75 4.61 -12.68	52.21 4.60 -11.09	39.15 3.87 -5.05	32.90 2.73 -4.19	27.50 2.32 -3.05
EAST RIVER___6 23660	22.65 1.52 0.00	20.51 1.22 0.00	20.06 1.14 0.00	19.12 1.13 0.00	19.68 1.04 0.00	22.65 1.14 0.00	30.39 1.83 0.00	33.56 2.54 0.00	33.57 2.34 -1.21	34.34 2.40 -2.26	33.07 2.30 -1.27	33.94 2.37 -2.00	31.82 2.26 -0.54	31.44 2.19 -0.45	31.08 2.15 -1.04	31.44 2.11 -2.29	33.03 2.27 -1.72	33.25 2.65 -0.15	35.42 2.95 0.00	38.51 3.05 0.00	39.44 2.92 0.00	32.64 2.42 0.00	27.52 1.53 0.00	23.45 1.33 0.00
EAST RIVER___7 23524	22.65 1.52 0.00	20.51 1.22 0.00	20.06 1.14 0.00	19.12 1.13 0.00	19.68 1.04 0.00	22.65 1.14 0.00	30.39 1.83 0.00	33.56 2.54 0.00	33.57 2.34 -1.21	34.34 2.40 -2.26	33.07 2.30 -1.27	33.94 2.37 -2.00	31.82 2.26 -0.54	31.44 2.19 -0.45	31.08 2.15 -1.04	31.44 2.11 -2.29	33.03 2.27 -1.72	33.25 2.65 -0.15	35.42 2.95 0.00	38.51 3.05 0.00	39.44 2.92 0.00	32.64 2.42 0.00	27.52 1.53 0.00	23.45 1.33 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	22.41 1.29 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.99 1.01 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.03 2.02 0.00	31.73 1.71 0.00	31.40 1.72 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.61 2.14 0.00	37.76 2.30 0.00	38.74 2.23 0.00	31.77 1.54 0.00	27.18 1.20 0.00	23.21 1.08 0.00
EAST_HAMPTON___DIESEL 23722	24.27 2.43 -0.71	21.67 2.16 -0.22	21.13 2.08 -0.13	20.52 2.00 -0.54	21.90 1.99 -1.27	25.55 2.26 -1.78	39.99 2.86 -8.58	38.05 3.72 -3.32	33.44 3.42 0.00	32.97 3.29 0.00	32.83 3.33 0.00	33.21 3.64 -0.01	32.29 3.28 0.00	32.08 3.28 0.00	31.16 3.26 -0.01	30.26 3.22 -0.01	32.68 3.51 -0.12	38.98 3.87 -4.67	45.55 4.35 -8.73	52.75 4.61 -12.68	52.21 4.60 -11.09	39.18 3.90 -5.05	32.90 2.73 -4.19	27.52 2.34 -3.05
EAST_POINT___SOLAR 323840	22.81 1.69 0.00	20.85 1.56 0.00	20.47 1.55 0.00	19.48 1.49 0.00	20.20 1.57 0.00	23.49 1.98 0.00	31.41 2.86 0.00	34.42 3.41 0.00	32.84 2.82 0.00	32.38 2.70 0.00	32.03 2.54 0.00	32.11 2.54 0.00	31.42 2.41 0.00	31.27 2.48 0.00	30.21 2.32 0.00	29.22 2.19 0.00	31.48 2.44 0.00	33.61 3.17 0.00	36.01 3.54 0.00	39.25 3.79 0.00	40.57 4.05 0.00	33.31 3.08 0.00	28.43 2.44 0.00	24.10 1.97 0.00
EAST_PULASKI___ESR 323781	20.70 -0.42 0.00	18.94 -0.35 0.00	18.58 -0.34 0.00	17.61 -0.38 0.00	18.30 -0.33 0.00	21.21 -0.30 0.00	28.07 -0.49 0.00	30.73 -0.28 0.00	29.51 -0.51 0.00	29.26 -0.42 0.00	29.02 -0.47 0.00	29.07 -0.50 0.00	28.52 -0.49 0.00	28.33 -0.46 0.00	27.36 -0.53 0.00	26.49 -0.54 0.00	28.46 -0.58 0.00	30.05 -0.40 0.00	32.05 -0.42 0.00	35.14 -0.32 0.00	36.34 -0.18 0.00	30.04 -0.18 0.00	25.70 -0.29 0.00	21.84 -0.29 0.00
EAST_RIVER___1 323558	22.60 1.48 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.33 1.77 0.00	33.46 2.45 0.00	33.42 2.19 -1.21	34.22 2.29 -2.26	32.92 2.15 -1.27	33.79 2.22 -2.00	31.70 2.15 -0.54	31.29 2.04 -0.45	30.94 2.01 -1.04	31.33 2.00 -2.29	32.88 2.12 -1.72	33.13 2.53 -0.15	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.44 1.45 0.00	23.41 1.28 0.00
EAST_RIVER___2 323559	22.65 1.52 0.00	20.51 1.22 0.00	20.06 1.14 0.00	19.12 1.13 0.00	19.68 1.04 0.00	22.65 1.14 0.00	30.39 1.83 0.00	33.56 2.54 0.00	33.57 2.34 -1.21	34.34 2.40 -2.26	33.07 2.30 -1.27	33.94 2.37 -2.00	31.82 2.26 -0.54	31.44 2.19 -0.45	31.08 2.15 -1.04	31.44 2.11 -2.29	33.03 2.27 -1.72	33.25 2.65 -0.15	35.42 2.95 0.00	38.51 3.05 0.00	39.44 2.92 0.00	32.64 2.42 0.00	27.52 1.53 0.00	23.45 1.33 0.00
EAST___DELAWARE_HYD 23607	22.65 1.52 0.00	20.53 1.24 0.00	20.11 1.19 0.00	19.10 1.12 0.00	19.71 1.08 0.00	22.80 1.29 0.00	30.55 2.00 0.00	33.43 2.42 0.00	32.18 2.16 0.00	31.91 2.23 0.00	31.59 2.09 0.00	31.64 2.07 0.00	31.10 2.09 0.00	30.84 2.04 0.00	29.85 1.95 0.00	28.87 1.84 0.00	31.07 2.03 0.00	32.82 2.38 0.00	35.13 2.66 0.00	38.19 2.73 0.00	39.26 2.74 0.00	32.37 2.15 0.00	27.54 1.56 0.00	23.41 1.28 0.00
EIGHT_POINT___WT_PWR 323820	20.85 -0.28 0.00	19.17 -0.12 0.00	18.96 0.04 0.00	17.93 -0.05 0.00	18.86 0.22 0.00	22.02 0.52 0.00	28.67 0.11 0.00	31.51 0.49 0.00	30.08 0.06 0.00	29.74 0.06 0.00	29.29 -0.21 0.00	29.15 -0.41 0.00	28.72 -0.29 0.00	28.71 -0.09 0.00	27.64 -0.25 0.00	26.68 -0.35 0.00	28.63 -0.41 0.00	30.54 0.09 0.00	32.44 -0.03 0.00	35.74 0.28 0.00	37.07 0.55 0.00	30.68 0.45 0.00	26.42 0.44 0.00	22.37 0.24 0.00
ELBRIDGE_115KV_TB2 80188	20.85 -0.27 0.00	19.08 -0.21 0.00	18.75 -0.17 0.00	17.77 -0.22 0.00	18.48 -0.15 0.00	21.40 -0.11 0.00	28.16 -0.40 0.00	30.83 -0.19 0.00	29.69 -0.33 0.00	29.32 -0.36 0.00	29.14 -0.35 0.00	29.18 -0.38 0.00	28.64 -0.38 0.00	28.48 -0.32 0.00	27.50 -0.39 0.00	26.60 -0.43 0.00	28.55 -0.49 0.00	30.23 -0.21 0.00	32.27 -0.19 0.00	35.24 -0.21 0.00	36.41 -0.11 0.00	29.98 -0.24 0.00	25.80 -0.18 0.00	21.95 -0.18 0.00
ELEC_TRO_TEK 24086	22.64 1.50 -0.02	20.60 1.29 -0.01	20.15 1.23 0.00	19.19 1.20 0.00	19.79 1.16 0.00	22.78 1.25 -0.02	30.13 1.57 0.00	33.22 2.20 0.00	31.91 1.89 0.00	31.49 1.81 0.00	31.35 1.86 0.00	31.58 2.01 0.00	30.84 1.83 0.00	30.61 1.81 0.00	29.79 1.90 0.00	28.87 1.84 0.00	30.99 1.95 0.00	32.76 2.31 0.00	34.94 2.47 0.00	38.12 2.66 0.00	39.11 2.59 0.00	32.10 1.87 0.00	27.46 1.48 0.00	24.89 1.28 -1.48



ELLENBURG_WT_PWR 323604	20.49 -0.63 0.00	18.73 -0.56 0.00	18.37 -0.55 0.00	17.52 -0.47 0.00	18.15 -0.48 0.00	20.91 -0.60 0.00	26.81 -1.74 0.00	28.01 -3.01 0.00	27.56 -2.46 0.00	27.22 -2.46 0.00	27.34 -2.15 0.00	27.41 -2.16 0.00	26.87 -2.15 0.00	26.78 -2.02 0.00	26.14 -1.76 0.00	25.52 -1.51 0.00	27.47 -1.57 0.00	28.50 -1.95 0.00	30.39 -2.08 0.00	33.22 -2.23 0.00	34.22 -2.30 0.00	28.38 -1.84 0.00	25.07 -0.91 0.00	22.04 -0.09 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	20.39 -0.74 0.00	18.75 -0.54 0.00	18.54 -0.38 0.00	17.45 -0.54 0.00	18.43 -0.20 0.00	21.44 -0.06 0.00	27.47 -1.09 0.00	29.93 -1.09 0.00	28.73 -1.29 0.00	28.14 -1.54 0.00	28.08 -1.42 0.00	28.03 -1.54 0.00	27.56 -1.45 0.00	27.59 -1.21 0.00	26.44 -1.45 0.00	25.63 -1.41 0.00	27.39 -1.66 0.00	29.20 -1.25 0.00	31.40 -1.07 0.00	34.18 -1.28 0.00	35.31 -1.21 0.00	29.32 -0.91 0.00	25.36 -0.62 0.00	21.73 -0.40 0.00
EMPIRE_CC_1 323656	21.65 0.53 0.00	19.79 0.50 0.00	19.41 0.49 0.00	18.49 0.50 0.00	19.12 0.48 0.00	21.96 0.45 0.00	29.44 0.89 0.00	32.16 1.15 0.00	30.86 0.84 0.00	30.57 0.89 0.00	30.29 0.80 0.00	30.39 0.83 0.00	29.80 0.78 0.00	29.49 0.69 0.00	28.59 0.70 0.00	27.76 0.73 0.00	29.85 0.81 0.00	31.48 1.04 0.00	33.67 1.20 0.00	36.73 1.27 0.00	37.69 1.17 0.00	31.19 0.97 0.00	26.53 0.55 0.00	22.55 0.42 0.00
EMPIRE_CC_2 323658	21.65 0.53 0.00	19.79 0.50 0.00	19.41 0.49 0.00	18.49 0.50 0.00	19.12 0.48 0.00	21.96 0.45 0.00	29.44 0.89 0.00	32.16 1.15 0.00	30.86 0.84 0.00	30.57 0.89 0.00	30.29 0.80 0.00	30.39 0.83 0.00	29.80 0.78 0.00	29.49 0.69 0.00	28.59 0.70 0.00	27.76 0.73 0.00	29.85 0.81 0.00	31.48 1.04 0.00	33.67 1.20 0.00	36.73 1.27 0.00	37.69 1.17 0.00	31.19 0.97 0.00	26.53 0.55 0.00	22.55 0.42 0.00
ENORWICH_115KV_TB1 80156	22.48 1.35 0.00	20.58 1.29 0.00	20.10 1.17 0.00	19.05 1.06 0.00	19.81 1.17 0.00	23.14 1.63 0.00	30.58 2.03 0.00	33.74 2.73 0.00	32.12 2.10 0.00	31.85 2.17 0.00	31.38 1.89 0.00	31.49 1.92 0.00	30.90 1.89 0.00	30.73 1.93 0.00	29.62 1.73 0.00	28.60 1.57 0.00	30.73 1.68 0.00	32.76 2.31 0.00	35.03 2.57 0.00	38.36 2.91 0.00	39.77 3.25 0.00	32.70 2.48 0.00	28.01 2.03 0.00	23.76 1.64 0.00
ERIE_ST_34_KV_TB1-2 80199	20.60 -0.53 0.00	18.92 -0.37 0.00	18.73 -0.19 0.00	17.61 -0.38 0.00	18.60 -0.04 0.00	21.66 0.15 0.00	27.81 -0.74 0.00	30.46 -0.56 0.00	29.18 -0.84 0.00	28.58 -1.10 0.00	28.52 -0.97 0.00	28.47 -1.09 0.00	28.00 -1.02 0.00	28.02 -0.78 0.00	26.83 -1.06 0.00	26.01 -1.03 0.00	27.79 -1.25 0.00	29.63 -0.82 0.00	31.82 -0.65 0.00	34.75 -0.71 0.00	35.86 -0.66 0.00	29.68 -0.54 0.00	25.72 -0.26 0.00	21.91 -0.22 0.00
ERIE_WT_PWR 323693	20.51 -0.61 0.00	18.85 -0.44 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.52 -0.11 0.00	21.57 0.06 0.00	27.76 -0.80 0.00	30.21 -0.81 0.00	28.97 -1.05 0.00	28.70 -0.98 0.00	28.29 -1.21 0.00	28.15 -1.42 0.00	27.80 -1.22 0.00	27.79 -1.01 0.00	26.81 -1.09 0.00	25.84 -1.19 0.00	27.62 -1.42 0.00	29.41 -1.04 0.00	31.11 -1.36 0.00	34.32 -1.14 0.00	35.53 -0.98 0.00	29.59 -0.64 0.00	25.57 -0.42 0.00	21.86 -0.26 0.00
ESPRGFLD_115KV_TB1 80157	22.54 1.42 0.00	20.58 1.29 0.00	20.19 1.27 0.00	19.17 1.19 0.00	19.90 1.27 0.00	23.16 1.66 0.00	30.81 2.26 0.00	33.80 2.79 0.00	32.36 2.34 0.00	32.00 2.32 0.00	31.65 2.15 0.00	31.73 2.16 0.00	31.10 2.09 0.00	30.96 2.16 0.00	29.90 2.01 0.00	28.90 1.87 0.00	31.04 2.00 0.00	33.01 2.56 0.00	35.29 2.82 0.00	38.51 3.05 0.00	39.77 3.25 0.00	32.70 2.48 0.00	27.98 2.00 0.00	23.76 1.64 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	21.40 0.27 0.00	19.60 0.31 0.00	19.24 0.32 0.00	18.22 0.23 0.00	18.97 0.34 0.00	22.02 0.52 0.00	28.98 0.43 0.00	31.85 0.84 0.00	30.53 0.51 0.00	30.10 0.42 0.00	29.85 0.35 0.00	29.89 0.33 0.00	29.33 0.32 0.00	29.17 0.37 0.00	28.15 0.25 0.00	27.22 0.19 0.00	29.24 0.20 0.00	31.06 0.61 0.00	33.25 0.78 0.00	36.38 0.92 0.00	37.61 1.10 0.00	30.92 0.70 0.00	26.58 0.60 0.00	22.57 0.44 0.00
ETNA____115KV_TB2 80207	21.40 0.27 0.00	19.60 0.31 0.00	19.24 0.32 0.00	18.22 0.23 0.00	18.97 0.34 0.00	22.02 0.52 0.00	28.98 0.43 0.00	31.85 0.84 0.00	30.53 0.51 0.00	30.10 0.42 0.00	29.85 0.35 0.00	29.89 0.33 0.00	29.33 0.32 0.00	29.17 0.37 0.00	28.15 0.25 0.00	27.22 0.19 0.00	29.24 0.20 0.00	31.06 0.61 0.00	33.25 0.78 0.00	36.38 0.92 0.00	37.61 1.10 0.00	30.92 0.70 0.00	26.58 0.60 0.00	22.57 0.44 0.00
EUCLID____115KV_TB2 356179	20.74 -0.38 0.00	18.96 -0.33 0.00	18.64 -0.28 0.00	17.66 -0.32 0.00	18.35 -0.28 0.00	21.25 -0.26 0.00	28.07 -0.49 0.00	30.73 -0.28 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.08 -0.41 0.00	29.15 -0.41 0.00	28.61 -0.41 0.00	28.45 -0.35 0.00	27.48 -0.42 0.00	26.57 -0.46 0.00	28.52 -0.52 0.00	30.08 -0.37 0.00	32.11 -0.36 0.00	35.07 -0.39 0.00	36.19 -0.33 0.00	29.83 -0.39 0.00	25.62 -0.36 0.00	21.82 -0.31 0.00
E_CANADA_CAP_HY 24051	22.79 1.67 0.00	20.83 1.54 0.00	20.44 1.51 0.00	19.44 1.46 0.00	20.16 1.53 0.00	23.44 1.94 0.00	31.41 2.86 0.00	34.42 3.41 0.00	32.87 2.85 0.00	32.50 2.82 0.00	32.06 2.56 0.00	32.11 2.54 0.00	31.45 2.44 0.00	31.27 2.48 0.00	30.24 2.34 0.00	29.25 2.22 0.00	31.51 2.47 0.00	33.61 3.17 0.00	35.94 3.48 0.00	39.25 3.80 0.00	40.50 3.98 0.00	33.46 3.24 0.00	28.40 2.42 0.00	24.05 1.92 0.00
E_CANADA_MHWK_HY 24050	20.60 -0.53 0.00	18.79 -0.50 0.00	18.39 -0.53 0.00	17.48 -0.50 0.00	18.08 -0.56 0.00	20.88 -0.62 0.00	27.87 -0.69 0.00	30.33 -0.68 0.00	29.27 -0.75 0.00	29.00 -0.68 0.00	28.76 -0.74 0.00	28.92 -0.65 0.00	28.37 -0.64 0.00	28.19 -0.61 0.00	27.31 -0.59 0.00	26.49 -0.54 0.00	28.52 -0.52 0.00	29.93 -0.52 0.00	31.95 -0.52 0.00	34.85 -0.60 0.00	35.90 -0.62 0.00	29.68 -0.54 0.00	25.36 -0.62 0.00	21.57 -0.55 0.00
E_FISHKILL____LBMP 23776	22.20 1.08 0.00	20.22 0.93 0.00	19.79 0.87 0.00	18.85 0.86 0.00	19.44 0.80 0.00	22.37 0.86 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.40 1.38 0.00	31.10 1.42 0.00	30.88 1.39 0.00	30.96 1.39 0.00	30.38 1.36 0.00	30.06 1.27 0.00	29.18 1.28 0.00	28.30 1.27 0.00	30.38 1.34 0.00	32.12 1.67 0.00	34.29 1.82 0.00	37.41 1.95 0.00	38.38 1.86 0.00	31.49 1.27 0.00	26.94 0.96 0.00	23.01 0.89 0.00
FALCON____SEABRD_CC1 323796	20.62 -0.51 0.00	18.85 -0.44 0.00	18.51 -0.42 0.00	17.63 -0.36 0.00	18.26 -0.37 0.00	21.01 -0.49 0.00	26.13 -2.43 0.00	26.64 -4.37 0.00	26.27 -3.75 0.00	25.94 -3.74 0.00	26.11 -3.39 0.00	26.23 -3.34 0.00	25.71 -3.31 0.00	25.66 -3.14 0.00	25.11 -2.79 0.00	24.57 -2.46 0.00	26.57 -2.47 0.00	27.52 -2.92 0.00	29.35 -3.12 0.00	32.09 -3.37 0.00	33.05 -3.47 0.00	27.41 -2.81 0.00	24.76 -1.22 0.00	22.39 0.27 0.00



FALCON___SEABRD_CC2 323797	20.62 -0.51 0.00	18.85 -0.44 0.00	18.51 -0.42 0.00	17.63 -0.36 0.00	18.26 -0.37 0.00	21.01 -0.49 0.00	26.13 -2.43 0.00	26.64 -4.37 0.00	26.27 -3.75 0.00	25.94 -3.74 0.00	26.11 -3.39 0.00	26.23 -3.34 0.00	25.71 -3.31 0.00	25.66 -3.14 0.00	25.11 -2.79 0.00	24.57 -2.46 0.00	26.57 -2.47 0.00	27.52 -2.92 0.00	29.35 -3.12 0.00	32.09 -3.37 0.00	33.05 -3.47 0.00	27.41 -2.81 0.00	24.76 -1.22 0.00	22.39 0.27 0.00
FAR ROCKAWAY___4 23548	22.91 1.77 -0.02	20.83 1.52 -0.01	20.38 1.46 0.00	19.41 1.42 0.00	20.01 1.38 0.00	23.05 1.53 -0.02	30.50 1.94 0.00	33.62 2.61 0.00	32.33 2.31 0.00	31.91 2.23 0.00	31.77 2.27 0.00	32.02 2.45 0.00	31.28 2.26 0.00	31.04 2.25 0.00	30.21 2.32 0.00	29.28 2.24 0.00	31.42 2.38 0.00	33.22 2.77 0.00	35.46 2.99 0.00	38.68 3.23 0.00	39.66 3.14 0.00	32.55 2.33 0.00	27.85 1.87 0.00	25.20 1.59 -1.48
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	22.60 1.48 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.24 1.68 0.00	33.34 2.33 0.00	33.24 2.01 -1.21	33.96 2.02 -2.26	32.75 1.98 -1.27	33.59 2.01 -2.01	31.53 1.97 -0.54	31.12 1.87 -0.45	30.83 1.90 -1.04	31.17 1.84 -2.30	32.71 1.95 -1.72	32.92 2.31 -0.15	34.94 2.47 0.00	38.12 2.66 0.00	39.07 2.56 0.00	32.04 1.81 0.00	27.36 1.38 0.00	23.41 1.28 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	22.60 1.48 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.24 1.68 0.00	33.31 2.29 0.00	33.24 2.01 -1.21	33.96 2.02 -2.26	32.75 1.98 -1.27	33.59 2.01 -2.01	31.50 1.94 -0.54	31.12 1.87 -0.45	30.83 1.90 -1.04	31.17 1.84 -2.30	32.71 1.95 -1.72	32.92 2.31 -0.15	34.94 2.47 0.00	38.12 2.66 0.00	39.07 2.56 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.41 1.28 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	22.58 1.46 0.00	20.49 1.20 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.66 1.02 0.00	22.60 1.10 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.21 1.98 -1.21	33.93 1.99 -2.26	32.72 1.95 -1.27	33.56 1.98 -2.01	31.50 1.94 -0.54	31.09 1.84 -0.45	30.81 1.87 -1.04	31.14 1.81 -2.30	32.68 1.92 -1.72	32.89 2.28 -0.15	34.90 2.44 0.00	38.05 2.59 0.00	39.00 2.48 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.39 1.26 0.00
FARRAGUT___LBMP 323566	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.28 2.26 0.00	33.18 1.95 -1.21	33.90 1.96 -2.26	32.69 1.92 -1.27	33.53 1.95 -2.01	31.47 1.91 -0.54	31.06 1.81 -0.45	30.78 1.84 -1.04	31.11 1.78 -2.30	32.65 1.89 -1.72	32.86 2.25 -0.15	34.87 2.25 0.00	38.05 2.59 0.00	39.00 2.48 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.37 1.24 0.00
FENNER___WINDPWR 24204	21.57 0.44 0.00	19.71 0.42 0.00	19.32 0.40 0.00	18.33 0.34 0.00	19.03 0.39 0.00	22.05 0.54 0.00	29.33 0.77 0.00	32.13 1.11 0.00	30.92 0.90 0.00	30.66 0.98 0.00	30.35 0.86 0.00	30.39 0.83 0.00	29.86 0.84 0.00	29.66 0.86 0.00	28.65 0.75 0.00	27.71 0.68 0.00	29.79 0.75 0.00	31.42 0.97 0.00	33.48 1.01 0.00	36.63 1.17 0.00	37.87 1.35 0.00	31.25 1.03 0.00	26.71 0.73 0.00	22.68 0.55 0.00
FIBERTEK___ENERGY 23856	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
FITZPATRICK___ 23598	20.49 -0.63 0.00	18.75 -0.54 0.00	18.39 -0.53 0.00	17.46 -0.52 0.00	18.13 -0.50 0.00	20.97 -0.54 0.00	27.70 -0.86 0.00	30.24 -0.77 0.00	29.18 -0.84 0.00	28.88 -0.80 0.00	28.64 -0.86 0.00	28.68 -0.89 0.00	28.17 -0.84 0.00	27.99 -0.81 0.00	27.08 -0.81 0.00	26.20 -0.84 0.00	28.11 -0.93 0.00	29.69 -0.76 0.00	31.59 -0.88 0.00	34.57 -0.89 0.00	35.68 -0.84 0.00	29.50 -0.73 0.00	25.31 -0.68 0.00	21.53 -0.60 0.00
FLOWRFLD_69_KV_BK1 356044	23.89 1.92 -0.85	21.21 1.66 -0.26	20.66 1.59 -0.14	20.17 1.55 -0.63	21.65 1.51 -1.50	25.33 1.70 -2.13	40.69 1.91 -10.22	37.57 2.61 -3.95	32.36 2.34 0.00	31.82 2.14 0.00	31.74 2.24 0.00	32.05 2.48 0.00	31.19 2.18 0.00	30.96 2.16 0.00	30.15 2.26 0.00	29.28 2.24 0.00	31.59 2.41 -0.14	38.77 2.77 -5.55	45.81 2.95 -10.39	53.74 3.19 -15.09	52.85 3.14 -13.19	38.53 2.30 -6.01	32.81 1.84 -4.98	27.21 1.73 -3.35
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	22.50 1.37 0.00	20.43 1.14 0.00	20.02 1.10 0.00	19.03 1.04 0.00	19.62 0.99 0.00	22.65 1.14 0.00	30.30 1.74 0.00	33.18 2.17 0.00	31.85 1.83 0.00	31.55 1.87 0.00	31.35 1.86 0.00	31.43 1.86 0.00	30.90 1.89 0.00	30.58 1.79 0.00	29.68 1.79 0.00	28.87 1.84 0.00	30.78 1.74 0.00	32.55 2.10 0.00	34.74 2.27 0.00	37.83 2.38 0.00	38.85 2.34 0.00	31.86 1.63 0.00	27.28 1.30 0.00	23.26 1.13 0.00
FORT ORANGE___ 23900	21.42 0.30 0.00	19.62 0.33 0.00	19.24 0.32 0.00	18.34 0.36 0.00	18.95 0.32 0.00	21.74 0.24 0.00	29.21 0.66 0.00	31.88 0.87 0.00	30.62 0.60 0.00	30.27 0.59 0.00	30.00 0.50 0.00	30.07 0.50 0.00	29.54 0.52 0.00	29.26 0.46 0.00	28.34 0.44 0.00	27.52 0.49 0.00	29.59 0.55 0.00	31.18 0.73 0.00	33.35 0.88 0.00	36.38 0.92 0.00	37.32 0.80 0.00	30.86 0.64 0.00	26.27 0.29 0.00	22.33 0.20 0.00
FORT_DRUM_COGEN 23780	20.77 -0.36 0.00	18.98 -0.31 0.00	18.54 -0.38 0.00	17.61 -0.38 0.00	18.26 -0.37 0.00	21.25 -0.26 0.00	28.41 -0.14 0.00	31.04 0.03 0.00	29.63 -0.39 0.00	29.41 -0.27 0.00	29.14 -0.35 0.00	29.18 -0.38 0.00	28.58 -0.44 0.00	28.31 -0.49 0.00	27.34 -0.56 0.00	26.65 -0.38 0.00	28.72 -0.32 0.00	30.27 -0.18 0.00	32.40 -0.06 0.00	35.60 0.14 0.00	36.92 0.40 0.00	30.47 0.24 0.00	26.01 0.03 0.00	22.10 -0.02 0.00
FOX_HILLS___ESR 323835	22.86 1.73 -0.01	20.72 1.43 0.00	20.23 1.31 0.00	19.30 1.31 0.00	19.83 1.19 0.00	22.69 1.18 0.00	30.30 1.74 0.00	33.31 2.29 0.00	33.28 2.04 -1.22	33.92 1.96 -2.29	32.79 2.01 -1.29	33.55 1.95 -2.03	31.56 2.00 -0.55	31.16 1.90 -0.46	30.87 1.92 -1.05	31.22 1.87 -2.32	32.78 2.00 -1.74	33.04 2.44 -0.16	34.97 2.50 0.00	38.15 2.69 0.00	39.04 2.52 0.00	32.19 1.96 0.00	27.52 1.53 0.00	23.63 1.50 0.00
FPL FAR_ROCK_GT1 24212	22.92 1.77 -0.02	20.83 1.52 -0.01	20.39 1.46 -0.01	19.41 1.42 -0.01	20.02 1.38 -0.01	23.05 1.53 -0.02	30.61 2.06 0.00	33.77 2.76 0.00	32.48 2.46 0.00	32.14 2.46 0.00	31.94 2.45 0.00	32.24 2.66 -0.01	31.48 2.46 0.00	31.27 2.48 0.00	30.36 2.46 -0.01	29.45 2.41 -0.01	31.60 2.56 -0.01	33.44 2.99 -0.01	35.79 3.31 -0.01	38.94 3.48 -0.01	39.96 3.43 -0.01	33.07 2.84 -0.01	27.97 1.97 -0.01	25.20 1.59 -1.48



FPL FAR_ROCK_GT2 23815	22.92 1.77 -0.02	20.83 1.52 -0.01	20.39 1.46 -0.01	19.41 1.42 -0.01	20.02 1.38 -0.01	23.05 1.53 -0.02	30.61 2.06 0.00	33.77 2.76 0.00	32.48 2.46 0.00	32.14 2.46 0.00	31.94 2.45 0.00	32.24 2.66 -0.01	31.48 2.46 0.00	31.27 2.48 0.00	30.36 2.46 -0.01	29.45 2.41 -0.01	31.60 2.56 -0.01	33.44 2.99 -0.01	35.79 3.31 -0.01	38.94 3.48 -0.01	39.96 3.43 -0.01	33.07 2.84 -0.01	27.97 1.97 -0.01	25.20 1.59 -1.48
FRANKLIN_FALL_HYD 24054	20.58 -0.55 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.22 -0.41 0.00	21.03 -0.47 0.00	27.98 -0.57 0.00	30.08 -0.93 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.20 -0.29 0.00	29.30 -0.27 0.00	28.69 -0.32 0.00	28.57 -0.23 0.00	27.84 -0.06 0.00	27.09 0.05 0.00	29.19 0.15 0.00	30.30 -0.15 0.00	32.21 -0.26 0.00	35.28 -0.18 0.00	36.37 -0.15 0.00	30.41 0.18 0.00	25.98 0.00 0.00	22.06 -0.07 0.00
FREEPORT_EQUS_GT1 23764	22.82 1.67 -0.02	20.75 1.45 -0.01	20.29 1.36 -0.01	19.35 1.35 -0.01	19.94 1.28 -0.02	22.96 1.42 -0.03	30.41 1.86 0.00	33.56 2.54 0.00	32.24 2.22 0.00	31.91 2.23 0.00	31.71 2.21 0.00	31.97 2.39 -0.01	31.22 2.20 0.00	31.01 2.22 0.00	30.13 2.23 -0.01	29.23 2.19 -0.01	31.40 2.35 -0.01	33.23 2.77 -0.01	35.56 3.09 -0.01	38.73 3.26 -0.01	39.70 3.18 -0.01	32.89 2.66 -0.01	27.78 1.79 -0.01	25.10 1.48 -1.49
FREEPORT___CT2 23818	22.82 1.67 -0.02	20.75 1.45 -0.01	20.29 1.36 -0.01	19.35 1.35 -0.01	19.94 1.28 -0.02	22.96 1.42 -0.03	30.41 1.86 0.00	33.56 2.54 0.00	32.24 2.22 0.00	31.91 2.23 0.00	31.71 2.21 0.00	31.97 2.39 -0.01	31.22 2.20 0.00	31.01 2.22 0.00	30.13 2.23 -0.01	29.23 2.19 -0.01	31.40 2.35 -0.01	33.23 2.77 -0.01	35.56 3.09 -0.01	38.73 3.26 -0.01	39.70 3.18 -0.01	32.89 2.66 -0.01	27.78 1.79 -0.01	25.10 1.48 -1.49
FRESHKLS_33_KV_LOAD 356253	22.99 1.86 -0.01	20.83 1.54 0.00	20.34 1.42 0.00	19.41 1.42 0.00	19.94 1.30 0.00	22.78 1.27 0.00	30.35 1.80 0.00	33.25 2.23 0.00	33.22 1.98 -1.22	33.75 1.78 -2.29	32.70 1.92 -1.29	33.37 1.77 -2.03	31.48 1.91 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.73 1.95 -1.74	33.01 2.41 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.89 2.37 0.00	32.25 2.03 0.00	27.59 1.61 0.00	23.74 1.62 0.00
FULTON COGEN____ 23766	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.14 -0.37 0.00	27.90 -0.66 0.00	30.55 -0.47 0.00	29.39 -0.63 0.00	29.06 -0.62 0.00	28.88 -0.62 0.00	28.95 -0.62 0.00	28.40 -0.61 0.00	28.22 -0.58 0.00	27.25 -0.64 0.00	26.33 -0.70 0.00	28.29 -0.76 0.00	29.90 -0.55 0.00	31.95 -0.52 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.68 -0.54 0.00	25.49 -0.49 0.00	21.68 -0.44 0.00
FULTON___LFGE 323630	23.36 2.24 0.00	21.33 2.04 0.00	20.97 2.04 0.00	19.98 2.00 0.00	20.72 2.09 0.00	24.11 2.60 0.00	32.50 3.94 0.00	35.64 4.62 0.00	33.86 3.84 0.00	33.39 3.71 0.00	32.89 3.39 0.00	32.94 3.37 0.00	32.23 3.22 0.00	32.08 3.28 0.00	31.02 3.12 0.00	30.03 3.00 0.00	32.47 3.43 0.00	34.93 4.48 0.00	37.31 4.84 0.00	40.60 5.14 0.00	41.92 5.40 0.00	34.60 4.38 0.00	29.28 3.30 0.00	24.74 2.61 0.00
G.F.CEMENT___DRP 24184	21.69 0.57 0.00	19.79 0.50 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.16 0.52 0.00	22.09 0.58 0.00	29.70 1.14 0.00	32.44 1.43 0.00	31.07 1.05 0.00	30.69 1.01 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.00 0.99 0.00	29.77 0.98 0.00	28.79 0.89 0.00	27.87 0.84 0.00	30.00 0.96 0.00	31.79 1.34 0.00	33.93 1.46 0.00	36.98 1.52 0.00	38.09 1.57 0.00	31.31 1.09 0.00	26.71 0.73 0.00	22.70 0.58 0.00
GARDENVILLE___LBMP 24039	20.45 -0.68 0.00	18.79 -0.50 0.00	18.60 -0.32 0.00	17.48 -0.50 0.00	18.47 -0.17 0.00	21.49 -0.02 0.00	27.58 -0.97 0.00	30.05 -0.96 0.00	28.85 -1.17 0.00	28.26 -1.42 0.00	28.17 -1.33 0.00	28.12 -1.45 0.00	27.65 -1.36 0.00	27.67 -1.12 0.00	26.53 -1.37 0.00	25.74 -1.30 0.00	27.50 -1.54 0.00	29.32 -1.13 0.00	31.53 -0.94 0.00	34.36 -1.10 0.00	35.46 -1.06 0.00	29.44 -0.79 0.00	25.46 -0.52 0.00	21.79 -0.33 0.00
GARDNVLA_35_KV_LD 355827	20.53 -0.59 0.00	18.87 -0.42 0.00	18.68 -0.25 0.00	17.55 -0.43 0.00	18.54 -0.09 0.00	21.59 0.09 0.00	27.70 -0.86 0.00	30.21 -0.81 0.00	29.00 -1.02 0.00	28.40 -1.28 0.00	28.35 -1.15 0.00	28.27 -1.30 0.00	27.82 -1.19 0.00	27.85 -0.95 0.00	26.67 -1.23 0.00	25.87 -1.16 0.00	27.65 -1.39 0.00	29.47 -0.97 0.00	31.69 -0.78 0.00	34.54 -0.92 0.00	35.64 -0.88 0.00	29.56 -0.66 0.00	25.59 -0.39 0.00	21.91 -0.22 0.00
GELCKHM___115KV_LOAD 80723	20.81 -0.32 0.00	19.02 -0.27 0.00	18.68 -0.25 0.00	17.70 -0.29 0.00	18.41 -0.22 0.00	21.31 -0.19 0.00	28.16 -0.40 0.00	30.83 -0.19 0.00	29.66 -0.36 0.00	29.35 -0.33 0.00	29.17 -0.32 0.00	29.21 -0.35 0.00	28.69 -0.32 0.00	28.54 -0.26 0.00	27.53 -0.36 0.00	26.63 -0.41 0.00	28.58 -0.46 0.00	30.17 -0.27 0.00	32.21 -0.26 0.00	35.17 -0.28 0.00	36.33 -0.18 0.00	29.92 -0.30 0.00	25.72 -0.26 0.00	21.88 -0.24 0.00
GENERAL___MILLS 23808	20.49 -0.63 0.00	18.83 -0.46 0.00	18.64 -0.28 0.00	17.52 -0.47 0.00	18.50 -0.13 0.00	21.55 0.04 0.00	27.64 -0.91 0.00	30.15 -0.87 0.00	28.91 -1.11 0.00	28.34 -1.34 0.00	28.26 -1.24 0.00	28.21 -1.36 0.00	27.74 -1.28 0.00	27.76 -1.04 0.00	26.58 -1.31 0.00	25.79 -1.24 0.00	27.56 -1.48 0.00	29.38 -1.07 0.00	31.59 -0.88 0.00	34.43 -1.03 0.00	35.57 -0.95 0.00	29.50 -0.73 0.00	25.54 -0.44 0.00	21.86 -0.27 0.00
GE_PLASTICS___DRP 24183	21.50 0.38 0.00	19.66 0.37 0.00	19.28 0.36 0.00	18.36 0.38 0.00	18.97 0.34 0.00	21.81 0.30 0.00	29.16 0.60 0.00	31.82 0.81 0.00	30.53 0.51 0.00	30.21 0.53 0.00	29.97 0.47 0.00	30.07 0.50 0.00	29.51 0.49 0.00	29.23 0.43 0.00	28.34 0.45 0.00	27.49 0.46 0.00	29.53 0.49 0.00	31.12 0.67 0.00	33.18 0.71 0.00	36.24 0.78 0.00	37.25 0.73 0.00	30.68 0.45 0.00	26.27 0.29 0.00	22.39 0.27 0.00
GILBOA___1 23756	21.76 0.63 0.00	19.85 0.56 0.00	19.45 0.53 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.02 0.52 0.00	29.44 0.89 0.00	32.22 1.21 0.00	30.98 0.96 0.00	30.69 1.01 0.00	30.41 0.92 0.00	30.51 0.95 0.00	29.91 0.90 0.00	29.66 0.86 0.00	28.73 0.84 0.00	27.87 0.84 0.00	29.97 0.93 0.00	31.54 1.09 0.00	33.70 1.23 0.00	36.73 1.27 0.00	37.72 1.20 0.00	31.31 1.09 0.00	26.61 0.62 0.00	22.64 0.51 0.00
GILBOA___2 23757	21.76 0.63 0.00	19.85 0.56 0.00	19.45 0.53 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.02 0.52 0.00	29.44 0.89 0.00	32.22 1.21 0.00	30.98 0.96 0.00	30.69 1.01 0.00	30.41 0.92 0.00	30.51 0.95 0.00	29.91 0.90 0.00	29.66 0.86 0.00	28.73 0.84 0.00	27.87 0.84 0.00	29.97 0.93 0.00	31.54 1.09 0.00	33.70 1.23 0.00	36.73 1.27 0.00	37.72 1.20 0.00	31.31 1.09 0.00	26.61 0.62 0.00	22.64 0.51 0.00



GILBOA___3 23758	21.76 0.63 0.00	19.85 0.56 0.00	19.45 0.53 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.02 0.52 0.00	29.44 0.89 0.00	32.22 1.21 0.00	30.98 0.96 0.00	30.69 1.01 0.00	30.41 0.92 0.00	30.51 0.95 0.00	29.91 0.90 0.00	29.66 0.86 0.00	28.73 0.84 0.00	27.87 0.84 0.00	29.97 0.93 0.00	31.54 1.09 0.00	33.70 1.23 0.00	36.73 1.27 0.00	37.72 1.20 0.00	31.31 1.09 0.00	26.61 0.62 0.00	22.64 0.51 0.00
GILBOA___4 23759	21.76 0.63 0.00	19.85 0.56 0.00	19.45 0.53 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.02 0.52 0.00	29.44 0.89 0.00	32.22 1.21 0.00	30.98 0.96 0.00	30.69 1.01 0.00	30.41 0.92 0.00	30.51 0.95 0.00	29.91 0.90 0.00	29.66 0.86 0.00	28.73 0.84 0.00	27.87 0.84 0.00	29.97 0.93 0.00	31.54 1.09 0.00	33.70 1.23 0.00	36.73 1.27 0.00	37.72 1.20 0.00	31.31 1.09 0.00	26.61 0.62 0.00	22.64 0.51 0.00
GILBOA___ 23599	21.76 0.63 0.00	19.85 0.56 0.00	19.45 0.53 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.02 0.52 0.00	29.38 0.83 0.00	32.13 1.12 0.00	30.86 0.84 0.00	30.54 0.86 0.00	30.32 0.83 0.00	30.40 0.83 0.00	29.83 0.81 0.00	29.54 0.75 0.00	28.65 0.75 0.00	27.76 0.73 0.00	29.85 0.81 0.00	31.42 0.97 0.00	33.51 1.04 0.00	36.56 1.10 0.00	37.58 1.06 0.00	31.01 0.79 0.00	26.56 0.57 0.00	22.64 0.51 0.00
GINNA___ 23603	19.63 -1.50 0.00	18.00 -1.29 0.00	17.71 -1.21 0.00	16.73 -1.26 0.00	17.48 -1.16 0.00	20.32 -1.18 0.00	26.70 -1.86 0.00	29.15 -1.86 0.00	28.13 -1.89 0.00	27.90 -1.78 0.00	27.64 -1.86 0.00	27.59 -1.98 0.00	27.13 -1.89 0.00	27.07 -1.73 0.00	26.16 -1.73 0.00	25.22 -1.81 0.00	26.98 -2.06 0.00	28.50 -1.95 0.00	30.20 -2.27 0.00	33.19 -2.27 0.00	34.22 -2.30 0.00	28.35 -1.87 0.00	24.40 -1.59 0.00	20.84 -1.28 0.00
GLEN PARK___ 23778	20.81 -0.32 0.00	19.02 -0.27 0.00	18.58 -0.34 0.00	17.63 -0.36 0.00	18.30 -0.33 0.00	21.31 -0.19 0.00	28.47 -0.09 0.00	31.14 0.12 0.00	29.66 -0.36 0.00	29.50 -0.18 0.00	29.17 -0.32 0.00	29.18 -0.39 0.00	28.58 -0.43 0.00	28.31 -0.49 0.00	27.36 -0.53 0.00	26.63 -0.40 0.00	28.72 -0.32 0.00	30.30 -0.15 0.00	32.44 -0.03 0.00	35.67 0.21 0.00	37.07 0.55 0.00	30.62 0.39 0.00	26.09 0.10 0.00	22.15 0.02 0.00
GLENDALE_27_KV_LOAD 356172	22.76 1.63 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.23 1.24 0.00	19.77 1.14 0.00	22.69 1.18 0.00	30.30 1.74 0.00	33.40 2.39 0.00	33.37 2.13 -1.22	34.10 2.14 -2.29	32.88 2.09 -1.29	33.72 2.13 -2.03	31.65 2.09 -0.55	31.27 2.02 -0.46	30.95 2.01 -1.05	31.30 1.95 -2.32	32.84 2.06 -1.74	33.04 2.44 -0.16	35.10 2.63 0.00	38.26 2.80 0.00	39.18 2.67 0.00	32.16 1.93 0.00	27.44 1.46 0.00	23.54 1.42 0.00
GLENWOOD_IC_1_G5 23712	22.69 1.54 -0.02	20.61 1.31 -0.01	20.17 1.25 0.00	19.21 1.22 0.00	19.81 1.17 -0.01	22.83 1.29 -0.03	30.27 1.71 0.00	33.34 2.33 0.00	32.03 2.01 0.00	31.64 1.96 0.00	31.50 2.01 0.00	31.70 2.13 0.00	31.02 2.00 0.00	30.75 1.96 0.00	29.90 2.01 0.00	28.98 1.95 0.00	31.10 2.06 0.00	32.88 2.44 0.00	35.07 2.60 0.00	38.26 2.80 0.00	39.26 2.74 0.00	32.19 1.96 0.00	27.52 1.53 0.00	24.97 1.35 -1.49
GLENWOOD_IC_2_G1 23688	22.56 1.42 -0.02	20.50 1.20 -0.01	20.07 1.14 -0.01	19.13 1.13 -0.01	19.71 1.06 -0.01	22.69 1.16 -0.02	30.24 1.68 0.00	33.34 2.33 0.00	32.06 2.04 0.00	31.76 2.08 0.00	31.50 2.01 0.00	31.71 2.13 -0.01	31.01 2.00 0.00	30.75 1.96 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.11 2.06 -0.01	32.89 2.44 -0.01	35.17 2.69 -0.01	38.27 2.80 -0.01	39.27 2.74 -0.01	32.50 2.27 -0.01	27.47 1.48 -0.01	24.82 1.22 -1.48
GLENWOOD_IC_3_G1 23689	22.56 1.42 -0.02	20.50 1.20 -0.01	20.07 1.14 -0.01	19.13 1.13 -0.01	19.71 1.06 -0.01	22.69 1.16 -0.02	30.24 1.68 0.00	33.34 2.33 0.00	32.06 2.04 0.00	31.76 2.08 0.00	31.50 2.01 0.00	31.71 2.13 -0.01	31.01 2.00 0.00	30.75 1.96 0.00	29.85 1.95 -0.01	28.96 1.92 -0.01	31.11 2.06 -0.01	32.89 2.44 -0.01	35.17 2.69 -0.01	38.27 2.80 -0.01	39.27 2.74 -0.01	32.50 2.27 -0.01	27.47 1.48 -0.01	24.82 1.22 -1.48
GLENWOOD___4 23550	22.69 1.54 -0.02	20.61 1.31 -0.01	20.17 1.25 0.00	19.21 1.22 0.00	19.81 1.17 -0.01	22.83 1.29 -0.03	30.27 1.71 0.00	33.34 2.33 0.00	32.03 2.01 0.00	31.64 1.96 0.00	31.50 2.01 0.00	31.70 2.13 0.00	31.02 2.00 0.00	30.75 1.96 0.00	29.90 2.01 0.00	28.98 1.95 0.00	31.10 2.06 0.00	32.88 2.44 0.00	35.07 2.60 0.00	38.26 2.80 0.00	39.26 2.74 0.00	32.19 1.96 0.00	27.52 1.53 0.00	24.97 1.35 -1.49
GLENWOOD___5 23614	22.69 1.54 -0.02	20.61 1.31 -0.01	20.17 1.25 0.00	19.21 1.22 0.00	19.81 1.17 -0.01	22.83 1.29 -0.03	30.27 1.71 0.00	33.34 2.33 0.00	32.03 2.01 0.00	31.64 1.96 0.00	31.50 2.01 0.00	31.70 2.13 0.00	31.02 2.00 0.00	30.75 1.96 0.00	29.90 2.01 0.00	28.98 1.95 0.00	31.10 2.06 0.00	32.88 2.44 0.00	35.07 2.60 0.00	38.26 2.80 0.00	39.26 2.74 0.00	32.19 1.96 0.00	27.52 1.53 0.00	24.97 1.35 -1.49
GLOBAL GREEN_PORT_GT1 23814	24.22 2.39 -0.71	21.64 2.12 -0.22	21.10 2.04 -0.13	20.49 1.96 -0.54	21.86 1.96 -1.27	25.49 2.19 -1.78	39.94 2.80 -8.58	37.96 3.63 -3.32	33.38 3.36 0.00	32.92 3.24 0.00	32.77 3.27 0.00	33.12 3.55 -0.01	32.23 3.22 0.00	32.02 3.22 0.00	31.11 3.21 -0.01	30.20 3.16 -0.01	32.62 3.45 -0.12	38.92 3.81 -4.67	45.48 4.29 -8.73	52.71 4.58 -12.68	52.17 4.56 -11.09	39.12 3.84 -5.05	32.85 2.68 -4.19	27.46 2.28 -3.05
GLOBE___DSASP 323697	19.62 -1.50 0.00	18.06 -1.23 0.00	17.88 -1.04 0.00	16.78 -1.20 0.00	17.76 -0.88 0.00	20.65 -0.86 0.00	26.39 -2.17 0.00	28.59 -2.42 0.00	27.50 -2.52 0.00	26.92 -2.76 0.00	26.84 -2.65 0.00	26.82 -2.75 0.00	26.37 -2.64 0.00	26.41 -2.39 0.00	25.30 -2.59 0.00	24.55 -2.49 0.00	26.19 -2.85 0.00	27.92 -2.53 0.00	30.03 -2.44 0.00	32.66 -2.80 0.00	33.71 -2.81 0.00	28.08 -2.15 0.00	24.27 -1.71 0.00	20.93 -1.19 0.00
GOETHSLN___LBMP 323567	22.52 1.39 0.00	20.41 1.12 0.00	19.96 1.04 0.00	19.03 1.04 0.00	19.58 0.95 0.00	22.54 1.03 0.00	30.13 1.57 0.00	33.22 2.20 0.00	33.12 1.89 -1.21	33.81 1.87 -2.26	32.63 1.86 -1.27	33.47 1.89 -2.01	31.41 1.86 -0.54	31.01 1.76 -0.45	30.72 1.79 -1.04	31.06 1.73 -2.30	32.59 1.83 -1.72	32.83 2.22 -0.15	34.81 2.34 0.00	37.94 2.48 0.00	38.89 2.37 0.00	31.92 1.69 0.00	27.20 1.22 0.00	23.28 1.15 0.00
GOLAH___69_KV_TB 1_2 80279	20.68 -0.44 0.00	18.98 -0.31 0.00	18.69 -0.23 0.00	17.61 -0.38 0.00	18.50 -0.13 0.00	21.53 0.02 0.00	27.98 -0.57 0.00	30.52 -0.50 0.00	29.42 -0.60 0.00	28.82 -0.86 0.00	28.73 -0.77 0.00	28.71 -0.86 0.00	28.11 -0.90 0.00	28.10 -0.69 0.00	27.06 -0.84 0.00	26.20 -0.84 0.00	28.02 -1.02 0.00	29.75 -0.70 0.00	31.85 -0.62 0.00	34.78 -0.67 0.00	35.90 -0.62 0.00	29.71 -0.51 0.00	25.70 -0.29 0.00	21.97 -0.15 0.00



GOODYEAR_LAKE_HYD 323669	22.08 0.95 0.00	20.16 0.87 0.00	19.75 0.83 0.00	18.74 0.76 0.00	19.45 0.82 0.00	22.58 1.08 0.00	29.96 1.40 0.00	32.87 1.86 0.00	31.55 1.53 0.00	31.25 1.57 0.00	30.94 1.45 0.00	31.05 1.48 0.00	30.46 1.45 0.00	30.26 1.47 0.00	29.26 1.37 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.12 1.67 0.00	34.25 1.79 0.00	37.37 1.91 0.00	38.60 2.08 0.00	31.77 1.54 0.00	27.26 1.27 0.00	23.17 1.04 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	21.21 0.08 0.00	19.41 0.12 0.00	19.07 0.15 0.00	18.06 0.07 0.00	18.82 0.19 0.00	21.81 0.30 0.00	28.64 0.09 0.00	31.42 0.40 0.00	30.11 0.09 0.00	29.68 0.00 0.00	29.50 0.00 0.00	29.54 -0.03 0.00	28.98 -0.03 0.00	28.85 0.06 0.00	27.84 -0.06 0.00	26.95 -0.08 0.00	28.92 -0.12 0.00	30.63 0.18 0.00	32.73 0.26 0.00	35.78 0.32 0.00	36.96 0.44 0.00	30.44 0.21 0.00	26.27 0.29 0.00	22.30 0.18 0.00
GOUDEY___7 23579	21.23 0.11 0.00	19.43 0.14 0.00	19.09 0.17 0.00	18.07 0.09 0.00	18.84 0.20 0.00	21.83 0.32 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.14 0.12 0.00	29.71 0.03 0.00	29.53 0.03 0.00	29.57 0.00 0.00	29.01 0.00 0.00	28.88 0.09 0.00	27.87 -0.03 0.00	26.98 -0.05 0.00	28.95 -0.09 0.00	30.66 0.21 0.00	32.76 0.29 0.00	35.81 0.35 0.00	36.99 0.47 0.00	30.47 0.24 0.00	26.30 0.31 0.00	22.30 0.18 0.00
GOUDEY___8 23580	21.21 0.08 0.00	19.41 0.12 0.00	19.07 0.15 0.00	18.06 0.07 0.00	18.82 0.19 0.00	21.81 0.30 0.00	28.64 0.09 0.00	31.42 0.40 0.00	30.11 0.09 0.00	29.68 0.00 0.00	29.50 0.00 0.00	29.54 -0.03 0.00	28.98 -0.03 0.00	28.85 0.06 0.00	27.84 -0.06 0.00	26.95 -0.08 0.00	28.92 -0.12 0.00	30.63 0.18 0.00	32.73 0.26 0.00	35.78 0.32 0.00	36.96 0.44 0.00	30.44 0.21 0.00	26.27 0.29 0.00	22.30 0.18 0.00
GOWANUS_GT1_1 24077	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_2 24078	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_3 24079	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_4 24080	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_5 24084	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_6 24111	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_7 24112	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT1_8 24113	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT2_1 24114	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_2 24115	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_3 24116	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00



GOWANUS_GT2_4 24117	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_5 24118	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_6 24119	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_7 24120	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT2_8 24121	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_1 24122	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_2 24123	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_3 24124	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_4 24125	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_5 24126	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_6 24127	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_7 24128	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT3_8 24129	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
GOWANUS_GT4_1 24130	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_2 24131	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00



GOWANUS_GT4_3 24132	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_4 24133	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_5 24134	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_6 24135	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_7 24136	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GOWANUS_GT4_8 24137	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GREENBSH_115KV_TB3 55895	21.34 0.21 0.00	19.54 0.25 0.00	19.17 0.25 0.00	18.27 0.29 0.00	18.88 0.24 0.00	21.64 0.13 0.00	29.01 0.46 0.00	31.63 0.62 0.00	30.35 0.33 0.00	30.01 0.33 0.00	29.79 0.29 0.00	29.86 0.30 0.00	29.33 0.32 0.00	29.05 0.26 0.00	28.17 0.28 0.00	27.33 0.30 0.00	29.36 0.32 0.00	30.94 0.49 0.00	32.99 0.52 0.00	36.02 0.57 0.00	36.99 0.47 0.00	30.47 0.24 0.00	26.09 0.10 0.00	22.24 0.11 0.00
GREENIDGE_115KV_TB5 80291	21.02 -0.11 0.00	19.29 0.00 0.00	19.00 0.08 0.00	17.95 -0.04 0.00	18.78 0.15 0.00	21.85 0.34 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.11 0.09 0.00	29.65 -0.03 0.00	29.41 -0.09 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.77 -0.03 0.00	27.67 -0.22 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	30.54 0.09 0.00	32.50 0.03 0.00	35.56 0.11 0.00	36.81 0.29 0.00	30.44 0.21 0.00	26.24 0.26 0.00	22.28 0.15 0.00
GREENIDGE___3 23582	21.02 -0.11 0.00	19.29 0.00 0.00	19.00 0.08 0.00	17.95 -0.04 0.00	18.78 0.15 0.00	21.85 0.34 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.11 0.09 0.00	29.65 -0.03 0.00	29.41 -0.09 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.77 -0.03 0.00	27.67 -0.22 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	30.54 0.09 0.00	32.50 0.03 0.00	35.56 0.11 0.00	36.81 0.29 0.00	30.44 0.21 0.00	26.24 0.26 0.00	22.28 0.15 0.00
GREENIDGE___4 23583	21.02 -0.11 0.00	19.29 0.00 0.00	19.00 0.08 0.00	17.95 -0.04 0.00	18.78 0.15 0.00	21.85 0.34 0.00	28.70 0.14 0.00	31.54 0.53 0.00	30.20 0.18 0.00	29.89 0.21 0.00	29.47 -0.03 0.00	29.39 -0.18 0.00	28.90 -0.12 0.00	28.82 0.03 0.00	27.78 -0.11 0.00	26.82 -0.22 0.00	28.81 -0.23 0.00	30.60 0.15 0.00	32.34 -0.13 0.00	35.53 0.07 0.00	36.81 0.29 0.00	30.56 0.33 0.00	26.27 0.29 0.00	22.26 0.13 0.00
GREENLWN_69_KV_BK 3 55738	22.88 1.80 0.04	20.84 1.56 0.01	20.36 1.46 0.02	19.41 1.47 0.05	19.95 1.43 0.12	22.94 1.57 0.13	29.20 1.77 1.13	33.03 2.45 0.44	31.85 1.83 0.00	31.40 1.72 0.00	31.30 1.80 0.00	31.58 2.01 0.00	30.78 1.77 0.00	30.55 1.76 0.00	29.76 1.87 0.00	28.87 1.84 0.01	30.97 1.95 0.00	32.42 2.59 0.61	34.11 2.79 1.15	36.77 2.98 1.67	37.98 2.92 1.46	31.71 2.15 0.66	27.15 1.71 0.55	25.06 1.59 -1.34
GREENWD_138_KV_38B11_REV_LBMP_J 345004	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00
GRISSOM___SOLAR 323813	23.36 2.24 0.00	21.33 2.04 0.00	20.97 2.04 0.00	19.98 2.00 0.00	20.72 2.09 0.00	24.11 2.60 0.00	32.50 3.94 0.00	35.64 4.62 0.00	33.86 3.84 0.00	33.39 3.71 0.00	32.89 3.39 0.00	32.94 3.37 0.00	32.23 3.22 0.00	32.08 3.28 0.00	31.02 3.12 0.00	30.03 3.00 0.00	32.47 3.43 0.00	34.93 4.48 0.00	37.31 4.84 0.00	40.60 5.14 0.00	41.92 5.40 0.00	34.60 4.38 0.00	29.28 3.30 0.00	24.74 2.61 0.00
GROVEVILLE___HYD 323602	22.50 1.37 0.00	20.43 1.14 0.00	20.02 1.10 0.00	19.03 1.04 0.00	19.62 0.99 0.00	22.65 1.14 0.00	30.30 1.74 0.00	33.18 2.17 0.00	31.85 1.83 0.00	31.55 1.87 0.00	31.35 1.86 0.00	31.43 1.86 0.00	30.90 1.89 0.00	30.58 1.79 0.00	29.68 1.79 0.00	28.87 1.84 0.00	30.78 1.74 0.00	32.55 2.10 0.00	34.74 2.27 0.00	37.83 2.38 0.00	38.85 2.34 0.00	31.86 1.63 0.00	27.28 1.30 0.00	23.26 1.13 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00



HAMLTNNY_34_KV_TB 80303	20.96 -0.17 0.00	19.17 -0.12 0.00	18.85 -0.08 0.00	17.84 -0.14 0.00	18.58 -0.06 0.00	21.53 0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.50 -0.18 0.00	29.32 -0.18 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.67 -0.22 0.00	26.74 -0.30 0.00	28.69 -0.35 0.00	30.39 -0.06 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.16 -0.06 0.00	25.93 -0.05 0.00	22.06 -0.07 0.00
HAMPSHIRE___PAPER_HYD 323593	20.38 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.70 -0.86 0.00	30.02 -0.99 0.00	28.97 -1.05 0.00	28.67 -1.01 0.00	28.52 -0.97 0.00	28.59 -0.98 0.00	28.00 -1.02 0.00	27.76 -1.04 0.00	26.89 -1.00 0.00	26.20 -0.84 0.00	28.20 -0.84 0.00	29.47 -0.98 0.00	31.46 -1.01 0.00	34.46 -0.99 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.41 -0.57 0.00	21.68 -0.44 0.00
HARDSCRABBLE_WT_PWR 323673	20.60 -0.53 0.00	18.79 -0.50 0.00	18.39 -0.53 0.00	17.46 -0.52 0.00	18.08 -0.56 0.00	20.88 -0.62 0.00	27.87 -0.69 0.00	30.33 -0.68 0.00	29.30 -0.72 0.00	29.03 -0.65 0.00	28.79 -0.71 0.00	28.92 -0.65 0.00	28.40 -0.61 0.00	28.22 -0.58 0.00	27.34 -0.56 0.00	26.55 -0.49 0.00	28.55 -0.49 0.00	29.96 -0.49 0.00	31.98 -0.49 0.00	34.93 -0.53 0.00	35.93 -0.59 0.00	29.68 -0.54 0.00	25.36 -0.62 0.00	21.57 -0.55 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	22.24 1.12 0.00	20.22 0.93 0.00	19.79 0.87 0.00	18.83 0.85 0.00	19.44 0.80 0.00	22.41 0.90 0.00	29.87 1.31 0.00	32.75 1.74 0.00	31.40 1.38 0.00	31.07 1.39 0.00	30.88 1.39 0.00	30.93 1.36 0.00	30.41 1.39 0.00	30.12 1.32 0.00	29.23 1.34 0.00	28.30 1.27 0.00	30.38 1.34 0.00	32.09 1.64 0.00	34.25 1.79 0.00	37.34 1.88 0.00	38.31 1.79 0.00	31.46 1.24 0.00	27.02 1.04 0.00	23.01 0.89 0.00
HARSNRAD_115KV_TB1 81005	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.19 -0.45 0.00	21.16 -0.34 0.00	27.07 -1.48 0.00	29.40 -1.61 0.00	28.22 -1.80 0.00	27.63 -2.05 0.00	27.58 -1.92 0.00	27.56 -2.01 0.00	27.10 -1.91 0.00	27.13 -1.67 0.00	26.00 -1.90 0.00	25.22 -1.81 0.00	26.92 -2.12 0.00	28.68 -1.77 0.00	30.88 -1.59 0.00	33.61 -1.84 0.00	34.66 -1.86 0.00	28.83 -1.39 0.00	24.92 -1.07 0.00	21.44 -0.69 0.00
HARZA MOOSE___RIVER 24016	21.19 0.06 0.00	19.35 0.06 0.00	18.94 0.02 0.00	17.98 0.00 0.00	18.63 0.00 0.00	21.64 0.13 0.00	28.84 0.29 0.00	31.51 0.50 0.00	30.26 0.24 0.00	30.01 0.33 0.00	29.70 0.21 0.00	29.78 0.21 0.00	29.19 0.17 0.00	28.97 0.17 0.00	27.98 0.08 0.00	27.28 0.24 0.00	29.36 0.32 0.00	30.90 0.46 0.00	33.02 0.55 0.00	36.13 0.67 0.00	37.36 0.84 0.00	30.86 0.63 0.00	26.40 0.42 0.00	22.44 0.31 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	20.83 -0.30 0.00	19.06 -0.23 0.00	18.71 -0.21 0.00	17.73 -0.25 0.00	18.45 -0.19 0.00	21.36 -0.15 0.00	28.16 -0.40 0.00	30.86 -0.16 0.00	29.63 -0.39 0.00	29.29 -0.39 0.00	29.11 -0.38 0.00	29.18 -0.38 0.00	28.64 -0.38 0.00	28.48 -0.32 0.00	27.48 -0.42 0.00	26.57 -0.46 0.00	28.52 -0.52 0.00	30.17 -0.27 0.00	32.21 -0.26 0.00	35.17 -0.28 0.00	36.30 -0.22 0.00	29.92 -0.30 0.00	25.72 -0.26 0.00	21.88 -0.24 0.00
HELLGATE_13_KV_LD 55870	22.70 1.56 -0.01	20.58 1.29 0.00	20.11 1.19 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.22 1.98 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	39.00 2.48 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	22.70 1.56 -0.01	20.58 1.29 0.00	20.11 1.19 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.22 1.98 -1.22	33.92 1.96 -2.29	32.73 1.95 -1.29	33.55 1.95 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.79 1.84 -1.05	31.14 1.78 -2.32	32.67 1.89 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.05 2.59 0.00	39.00 2.48 0.00	32.01 1.78 0.00	27.31 1.33 0.00	23.45 1.33 0.00
HEMPSTEAD____ 23647	22.67 1.52 -0.02	20.60 1.29 -0.01	20.16 1.23 -0.01	19.20 1.21 -0.01	19.81 1.16 -0.02	22.79 1.25 -0.03	30.24 1.68 0.00	33.37 2.36 0.00	32.06 2.04 0.00	31.76 2.08 0.00	31.53 2.03 0.00	31.79 2.22 -0.01	31.07 2.06 0.00	30.84 2.04 0.00	29.94 2.04 -0.01	29.04 2.00 -0.01	31.20 2.15 -0.01	33.01 2.56 -0.01	35.33 2.86 -0.01	38.44 2.98 -0.01	39.41 2.88 -0.01	32.62 2.39 -0.01	27.58 1.59 -0.01	24.92 1.31 -1.49
HEWLETT_69_KV_BK3 55828	22.81 1.67 -0.02	20.75 1.45 -0.01	20.30 1.38 0.00	19.33 1.35 0.00	19.94 1.30 0.00	22.95 1.42 -0.02	30.35 1.80 0.00	33.46 2.45 0.00	32.18 2.16 0.00	31.76 2.08 0.00	31.62 2.12 0.00	31.87 2.31 0.00	31.10 2.09 0.00	30.90 2.10 0.00	30.07 2.18 0.00	29.14 2.11 0.00	31.25 2.21 0.00	33.07 2.62 0.00	35.26 2.79 0.00	38.47 3.01 0.00	39.48 2.96 0.00	32.40 2.18 0.00	27.72 1.74 0.00	25.09 1.48 -1.48
HICKLING___1 23621	21.10 -0.02 0.00	19.37 0.08 0.00	19.09 0.17 0.00	18.02 0.04 0.00	18.88 0.24 0.00	21.96 0.45 0.00	28.58 0.03 0.00	31.48 0.47 0.00	30.05 0.03 0.00	29.56 -0.12 0.00	29.35 -0.15 0.00	29.33 -0.24 0.00	28.84 -0.17 0.00	28.77 -0.03 0.00	27.67 -0.22 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.54 0.09 0.00	32.66 0.19 0.00	35.74 0.28 0.00	36.99 0.47 0.00	30.44 0.21 0.00	26.35 0.36 0.00	22.30 0.18 0.00
HICKLING___2 23622	21.10 -0.02 0.00	19.37 0.08 0.00	19.09 0.17 0.00	18.02 0.04 0.00	18.88 0.24 0.00	21.96 0.45 0.00	28.58 0.03 0.00	31.48 0.47 0.00	30.05 0.03 0.00	29.56 -0.12 0.00	29.35 -0.15 0.00	29.33 -0.24 0.00	28.84 -0.17 0.00	28.77 -0.03 0.00	27.67 -0.22 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.54 0.09 0.00	32.66 0.19 0.00	35.74 0.28 0.00	36.99 0.47 0.00	30.44 0.21 0.00	26.35 0.36 0.00	22.30 0.18 0.00
HIGH FALLS___HY 23754	22.52 1.39 0.00	20.41 1.12 0.00	19.98 1.06 0.00	18.99 1.01 0.00	19.60 0.97 0.00	22.65 1.14 0.00	30.21 1.66 0.00	33.12 2.11 0.00	31.79 1.77 0.00	31.43 1.75 0.00	31.18 1.68 0.00	31.22 1.66 0.00	30.67 1.65 0.00	30.41 1.61 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.73 1.68 0.00	32.49 2.04 0.00	34.71 2.24 0.00	37.83 2.38 0.00	38.85 2.34 0.00	31.86 1.63 0.00	27.33 1.35 0.00	23.30 1.17 0.00
HILLBURN___GT 23639	22.26 1.14 0.00	20.23 0.94 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.47 0.84 0.00	22.43 0.92 0.00	29.95 1.40 0.00	32.97 1.96 0.00	31.64 1.62 0.00	31.37 1.69 0.00	31.09 1.59 0.00	31.19 1.63 0.00	30.61 1.59 0.00	30.32 1.53 0.00	29.37 1.48 0.00	28.49 1.46 0.00	30.61 1.57 0.00	32.37 1.92 0.00	34.58 2.11 0.00	37.66 2.20 0.00	38.67 2.15 0.00	31.98 1.75 0.00	27.15 1.17 0.00	23.03 0.91 0.00



HILLSIDE_115KV_TB1 80332	20.93 -0.19 0.00	19.19 -0.10 0.00	18.90 -0.02 0.00	17.88 -0.11 0.00	18.69 0.06 0.00	21.72 0.22 0.00	28.27 -0.29 0.00	31.08 0.06 0.00	29.69 -0.33 0.00	29.21 -0.47 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.49 -0.52 0.00	28.39 -0.40 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.40 -0.64 0.00	30.20 -0.24 0.00	32.27 -0.19 0.00	35.32 -0.14 0.00	36.48 -0.04 0.00	30.07 -0.15 0.00	26.06 0.08 0.00	22.06 -0.07 0.00
HISHELDN_WT_PWR 323625	20.41 -0.72 0.00	18.77 -0.52 0.00	18.56 -0.36 0.00	17.48 -0.50 0.00	18.43 -0.20 0.00	21.44 -0.06 0.00	27.67 -0.89 0.00	30.18 -0.84 0.00	28.91 -1.11 0.00	28.64 -1.04 0.00	28.23 -1.27 0.00	28.09 -1.48 0.00	27.71 -1.31 0.00	27.73 -1.06 0.00	26.75 -1.14 0.00	25.82 -1.22 0.00	27.62 -1.42 0.00	29.41 -1.04 0.00	31.17 -1.30 0.00	34.36 -1.10 0.00	35.57 -0.95 0.00	29.59 -0.64 0.00	25.54 -0.44 0.00	21.82 -0.31 0.00
HOLTSVILLE_IC_1 23690	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.98 1.80 -8.62	36.77 2.42 -3.34	32.27 2.25 0.00	31.85 2.17 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.26 2.22 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
HOLTSVILLE_IC_10 23699	23.63 1.82 -0.69	21.09 1.58 -0.22	20.58 1.53 -0.12	19.98 1.48 -0.52	21.29 1.43 -1.22	24.84 1.61 -1.72	38.75 1.94 -8.25	36.81 2.61 -3.19	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.27 2.37 -0.01	29.42 2.38 -0.01	31.71 2.56 -0.12	37.77 2.83 -4.49	44.04 3.18 -8.39	50.97 3.33 -12.18	50.46 3.29 -10.65	37.83 2.75 -4.86	31.85 1.85 -4.02	26.78 1.66 -2.99
HOLTSVILLE_IC_2 23691	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.98 1.80 -8.62	36.77 2.42 -3.34	32.27 2.25 0.00	31.85 2.17 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.26 2.22 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
HOLTSVILLE_IC_3 23692	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.98 1.80 -8.62	36.77 2.42 -3.34	32.27 2.25 0.00	31.85 2.17 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.26 2.22 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
HOLTSVILLE_IC_4 23693	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.98 1.80 -8.62	36.77 2.42 -3.34	32.27 2.25 0.00	31.85 2.17 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.26 2.22 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
HOLTSVILLE_IC_5 23694	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.98 1.80 -8.62	36.77 2.42 -3.34	32.27 2.25 0.00	31.85 2.17 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.26 2.22 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
HOLTSVILLE_IC_6 23695	23.63 1.82 -0.69	21.09 1.58 -0.22	20.58 1.53 -0.12	19.98 1.48 -0.52	21.29 1.43 -1.22	24.84 1.61 -1.72	38.75 1.94 -8.25	36.81 2.61 -3.19	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.27 2.37 -0.01	29.42 2.38 -0.01	31.71 2.56 -0.12	37.77 2.83 -4.49	44.04 3.18 -8.39	50.97 3.33 -12.18	50.46 3.29 -10.65	37.83 2.75 -4.86	31.85 1.85 -4.02	26.78 1.66 -2.99
HOLTSVILLE_IC_7 23696	23.63 1.82 -0.69	21.09 1.58 -0.22	20.58 1.53 -0.12	19.98 1.48 -0.52	21.29 1.43 -1.22	24.84 1.61 -1.72	38.75 1.94 -8.25	36.81 2.61 -3.19	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.27 2.37 -0.01	29.42 2.38 -0.01	31.71 2.56 -0.12	37.77 2.83 -4.49	44.04 3.18 -8.39	50.97 3.33 -12.18	50.46 3.29 -10.65	37.83 2.75 -4.86	31.85 1.85 -4.02	26.78 1.66 -2.99
HOLTSVILLE_IC_8 23697	23.63 1.82 -0.69	21.09 1.58 -0.22	20.58 1.53 -0.12	19.98 1.48 -0.52	21.29 1.43 -1.22	24.84 1.61 -1.72	38.75 1.94 -8.25	36.81 2.61 -3.19	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.27 2.37 -0.01	29.42 2.38 -0.01	31.71 2.56 -0.12	37.77 2.83 -4.49	44.04 3.18 -8.39	50.97 3.33 -12.18	50.46 3.29 -10.65	37.83 2.75 -4.86	31.85 1.85 -4.02	26.78 1.66 -2.99
HOLTSVILLE_IC_9 23698	23.63 1.82 -0.69	21.09 1.58 -0.22	20.58 1.53 -0.12	19.98 1.48 -0.52	21.29 1.43 -1.22	24.84 1.61 -1.72	38.75 1.94 -8.25	36.81 2.61 -3.19	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.27 2.37 -0.01	29.42 2.38 -0.01	31.71 2.56 -0.12	37.77 2.83 -4.49	44.04 3.18 -8.39	50.97 3.33 -12.18	50.46 3.29 -10.65	37.83 2.75 -4.86	31.85 1.85 -4.02	26.78 1.66 -2.99
HOMER_HL_115KV_TB2 355744	20.81 -0.32 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.79 -0.20 0.00	18.75 0.11 0.00	21.83 0.32 0.00	28.07 -0.49 0.00	30.89 -0.12 0.00	29.39 -0.63 0.00	28.76 -0.92 0.00	28.64 -0.86 0.00	28.59 -0.98 0.00	28.11 -0.90 0.00	28.10 -0.69 0.00	26.97 -0.92 0.00	26.14 -0.89 0.00	28.00 -1.05 0.00	29.90 -0.55 0.00	32.05 -0.42 0.00	35.07 -0.39 0.00	36.23 -0.29 0.00	29.95 -0.27 0.00	26.11 0.13 0.00	22.04 -0.09 0.00
HOWARD_WT_PWR 323690	20.85 -0.28 0.00	19.17 -0.12 0.00	18.98 0.06 0.00	17.95 -0.04 0.00	18.88 0.24 0.00	22.05 0.54 0.00	28.70 0.14 0.00	31.54 0.53 0.00	30.11 0.09 0.00	29.80 0.12 0.00	29.32 -0.18 0.00	29.21 -0.35 0.00	28.78 -0.23 0.00	28.74 -0.06 0.00	27.70 -0.19 0.00	26.71 -0.32 0.00	28.66 -0.38 0.00	30.60 0.15 0.00	32.47 0.00 0.00	35.78 0.32 0.00	37.10 0.58 0.00	30.71 0.48 0.00	26.45 0.47 0.00	22.39 0.27 0.00
HQ_GEN_CEDARS 23644	20.81 -0.32 0.00	19.00 -0.29 0.00	18.64 -0.28 0.00	17.73 -0.25 0.00	18.39 -0.24 0.00	21.23 -0.28 0.00	28.24 -0.31 0.00	30.39 -0.62 0.00	29.75 -0.27 0.00	29.38 -0.30 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.78 -0.23 0.00	28.57 -0.23 0.00	27.73 -0.17 0.00	26.90 -0.14 0.00	28.95 -0.09 0.00	29.99 -0.46 0.00	31.92 -0.55 0.00	34.89 -0.57 0.00	36.01 -0.51 0.00	30.07 -0.15 0.00	25.85 -0.13 0.00	22.02 -0.11 0.00



HQ_GEN_CEDARS_PROXY 323590	20.81 -0.32 0.00	19.00 -0.29 0.00	18.64 -0.28 0.00	17.73 -0.25 0.00	18.39 -0.24 0.00	21.23 -0.28 0.00	28.28 -0.49 -0.21	29.94 -0.87 0.21	29.45 -0.57 0.00	29.00 -0.68 0.00	29.02 -0.47 0.00	29.09 -0.47 0.00	28.52 -0.49 0.00	28.31 -0.49 0.00	27.48 -0.42 0.00	26.65 -0.38 0.00	28.66 -0.38 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.57 -0.89 0.00	35.64 -0.88 0.00	29.59 -0.64 0.00	25.70 -0.29 0.00	22.02 -0.11 0.00
HQ_GEN_IMPORT 323601	20.95 -0.17 0.00	19.14 -0.15 0.00	18.77 -0.15 0.00	17.86 -0.13 0.00	18.50 -0.13 0.00	21.36 -0.15 0.00	28.92 -0.29 -0.65	29.72 -0.62 0.67	29.71 -0.33 -0.02	29.26 -0.42 0.00	29.20 -0.29 0.00	29.27 -0.30 0.00	28.72 -0.29 0.00	28.51 -0.29 0.00	27.64 -0.25 0.00	26.82 -0.22 0.00	28.99 -0.23 -0.18	29.72 -0.55 0.18	31.89 -0.58 0.00	34.82 -0.64 0.00	35.86 -0.66 0.00	29.71 -0.51 0.00	25.80 -0.18 0.00	22.04 -0.09 0.00
HQ_GEN_WHEEL 23651	20.95 -0.17 0.00	19.14 -0.15 0.00	18.77 -0.15 0.00	17.86 -0.13 0.00	18.50 -0.13 0.00	21.36 -0.15 0.00	28.92 -0.29 -0.65	29.72 -0.62 0.67	29.71 -0.33 -0.02	29.26 -0.42 0.00	29.20 -0.29 0.00	29.27 -0.30 0.00	28.72 -0.29 0.00	28.51 -0.29 0.00	27.64 -0.25 0.00	26.82 -0.22 0.00	28.99 -0.23 -0.18	29.72 -0.55 0.18	31.89 -0.58 0.00	34.82 -0.64 0.00	35.86 -0.66 0.00	29.71 -0.51 0.00	25.80 -0.18 0.00	22.04 -0.09 0.00
HUDSON_AVE_GT_3 23810	22.58 1.46 0.00	20.49 1.20 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.21 1.98 -1.21	33.93 1.99 -2.26	32.72 1.95 -1.27	33.56 1.98 -2.01	31.50 1.94 -0.54	31.09 1.84 -0.45	30.81 1.87 -1.04	31.14 1.81 -2.30	32.68 1.92 -1.72	32.89 2.28 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
HUDSON_AVE_GT_4 23540	22.58 1.46 0.00	20.49 1.20 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.21 1.98 -1.21	33.93 1.99 -2.26	32.72 1.95 -1.27	33.56 1.98 -2.01	31.50 1.94 -0.54	31.09 1.84 -0.45	30.81 1.87 -1.04	31.14 1.81 -2.30	32.68 1.92 -1.72	32.89 2.28 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
HUDSON_AVE_GT_5 23657	22.58 1.46 0.00	20.49 1.20 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.21 1.98 -1.21	33.93 1.99 -2.26	32.72 1.95 -1.27	33.56 1.98 -2.01	31.50 1.94 -0.54	31.09 1.84 -0.45	30.81 1.87 -1.04	31.14 1.81 -2.30	32.68 1.92 -1.72	32.89 2.28 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
HUDSON_AVE_10 24168	22.50 1.37 0.00	20.39 1.10 0.00	19.94 1.02 0.00	19.01 1.03 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.13 1.57 0.00	33.22 2.20 0.00	33.12 1.89 -1.21	33.84 1.90 -2.26	32.63 1.86 -1.27	33.47 1.89 -2.01	31.38 1.83 -0.54	31.01 1.76 -0.45	30.72 1.79 -1.04	31.03 1.70 -2.30	32.59 1.83 -1.72	32.79 2.19 -0.15	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.95 1.72 0.00	27.26 1.27 0.00	23.30 1.17 0.00
HUDSON___115KV_TB 4 355613	21.65 0.53 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.49 0.00	29.56 1.00 0.00	32.19 1.18 0.00	30.86 0.84 0.00	30.45 0.77 0.00	30.20 0.71 0.00	30.25 0.68 0.00	29.68 0.67 0.00	29.43 0.63 0.00	28.51 0.61 0.00	27.66 0.62 0.00	29.74 0.70 0.00	31.42 0.97 0.00	33.57 1.10 0.00	36.66 1.21 0.00	37.65 1.13 0.00	30.98 0.76 0.00	26.50 0.52 0.00	22.57 0.44 0.00
HUNTER MOUNT___DRP 323613	21.69 0.57 0.00	19.85 0.56 0.00	19.49 0.57 0.00	18.56 0.58 0.00	19.17 0.54 0.00	22.07 0.56 0.00	29.73 1.17 0.00	32.28 1.27 0.00	30.95 0.93 0.00	30.54 0.86 0.00	30.26 0.77 0.00	30.31 0.74 0.00	29.77 0.75 0.00	29.49 0.69 0.00	28.54 0.64 0.00	27.68 0.65 0.00	29.80 0.76 0.00	31.45 1.00 0.00	33.67 1.20 0.00	36.73 1.28 0.00	37.76 1.24 0.00	31.04 0.82 0.00	26.58 0.60 0.00	22.61 0.49 0.00
HUNTINGTON_RES_REC 323705	22.71 1.84 0.25	20.82 1.60 0.07	20.37 1.49 0.04	19.27 1.49 0.20	19.60 1.45 0.48	22.46 1.61 0.66	26.86 1.94 3.64	32.24 2.63 1.41	32.18 2.16 0.00	31.82 2.14 0.00	31.62 2.12 0.00	31.94 2.37 -0.01	31.13 2.12 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.18 2.14 -0.01	31.35 2.35 0.04	31.34 2.86 1.97	31.96 3.18 3.69	33.42 3.33 5.37	35.11 3.29 4.69	30.87 2.78 2.13	26.09 1.87 1.77	24.66 1.66 -0.87
HUNTLEY___63 23557	20.24 -0.89 0.00	18.61 -0.68 0.00	18.43 -0.49 0.00	17.32 -0.67 0.00	18.30 -0.34 0.00	21.29 -0.22 0.00	27.27 -1.29 0.00	29.62 -1.40 0.00	28.61 -1.41 0.00	28.02 -1.66 0.00	27.96 -1.53 0.00	27.82 -1.74 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.18 -1.86 0.00	28.96 -1.49 0.00	31.14 -1.33 0.00	33.93 -1.52 0.00	35.02 -1.50 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00
HUNTLEY___64 23558	20.24 -0.89 0.00	18.61 -0.68 0.00	18.43 -0.49 0.00	17.32 -0.67 0.00	18.30 -0.34 0.00	21.29 -0.22 0.00	27.27 -1.29 0.00	29.62 -1.40 0.00	28.61 -1.41 0.00	28.02 -1.66 0.00	27.96 -1.53 0.00	27.82 -1.74 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.18 -1.86 0.00	28.96 -1.49 0.00	31.14 -1.33 0.00	33.93 -1.52 0.00	35.02 -1.50 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00
HUNTLEY___65 23559	20.24 -0.89 0.00	18.61 -0.68 0.00	18.43 -0.49 0.00	17.32 -0.67 0.00	18.30 -0.34 0.00	21.29 -0.22 0.00	27.27 -1.29 0.00	29.62 -1.40 0.00	28.61 -1.41 0.00	28.02 -1.66 0.00	27.96 -1.53 0.00	27.82 -1.74 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.18 -1.86 0.00	28.96 -1.49 0.00	31.14 -1.33 0.00	33.93 -1.52 0.00	35.02 -1.50 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00
HUNTLEY___66 23560	20.24 -0.89 0.00	18.61 -0.68 0.00	18.43 -0.49 0.00	17.32 -0.67 0.00	18.30 -0.34 0.00	21.29 -0.22 0.00	27.27 -1.29 0.00	29.62 -1.40 0.00	28.61 -1.41 0.00	28.02 -1.66 0.00	27.96 -1.53 0.00	27.82 -1.74 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.18 -1.86 0.00	28.96 -1.49 0.00	31.14 -1.33 0.00	33.93 -1.52 0.00	35.02 -1.50 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00
HUNTLEY___67 23561	20.26 -0.87 0.00	18.63 -0.66 0.00	18.45 -0.47 0.00	17.34 -0.65 0.00	18.32 -0.32 0.00	21.31 -0.19 0.00	27.27 -1.29 0.00	29.65 -1.36 0.00	28.49 -1.53 0.00	27.90 -1.78 0.00	27.82 -1.68 0.00	27.76 -1.80 0.00	27.30 -1.71 0.00	27.33 -1.47 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.15 -1.89 0.00	28.93 -1.52 0.00	31.11 -1.36 0.00	33.90 -1.56 0.00	34.98 -1.53 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00



HUNTLEY___68 23562	20.26 -0.87 0.00	18.63 -0.66 0.00	18.45 -0.47 0.00	17.34 -0.65 0.00	18.32 -0.32 0.00	21.31 -0.19 0.00	27.27 -1.29 0.00	29.65 -1.36 0.00	28.49 -1.53 0.00	27.90 -1.78 0.00	27.82 -1.68 0.00	27.76 -1.80 0.00	27.30 -1.71 0.00	27.33 -1.47 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.15 -1.89 0.00	28.93 -1.52 0.00	31.11 -1.36 0.00	33.90 -1.56 0.00	34.98 -1.53 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00
HYLAND___LFGE 323620	21.42 0.30 0.00	19.70 0.41 0.00	19.43 0.51 0.00	18.31 0.32 0.00	19.21 0.58 0.00	22.48 0.97 0.00	29.30 0.74 0.00	32.04 1.02 0.00	30.41 0.39 0.00	29.71 0.03 0.00	29.14 -0.35 0.00	28.83 -0.74 0.00	28.40 -0.61 0.00	28.45 -0.34 0.00	27.59 -0.31 0.00	26.68 -0.35 0.00	28.61 -0.43 0.00	30.91 0.46 0.00	32.96 0.49 0.00	36.66 1.21 0.00	38.02 1.50 0.00	31.37 1.15 0.00	27.05 1.07 0.00	22.95 0.82 0.00
INDECK___CORINTH 23802	21.59 0.46 0.00	19.68 0.39 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.96 0.45 0.00	29.55 1.00 0.00	32.32 1.30 0.00	31.01 0.99 0.00	30.66 0.98 0.00	30.50 1.00 0.00	30.60 1.03 0.00	29.94 0.93 0.00	29.72 0.92 0.00	28.73 0.84 0.00	27.82 0.78 0.00	29.94 0.90 0.00	31.70 1.25 0.00	33.90 1.43 0.00	36.88 1.42 0.00	37.94 1.42 0.00	31.37 1.15 0.00	26.61 0.62 0.00	22.57 0.44 0.00
INDECK___ILION 23567	21.04 -0.08 0.00	19.19 -0.10 0.00	18.81 -0.11 0.00	17.88 -0.11 0.00	18.50 -0.13 0.00	21.38 -0.13 0.00	28.47 -0.09 0.00	30.98 -0.03 0.00	29.90 -0.12 0.00	29.59 -0.09 0.00	29.38 -0.12 0.00	29.48 -0.09 0.00	28.93 -0.09 0.00	28.71 -0.09 0.00	27.84 -0.06 0.00	26.98 -0.05 0.00	29.01 -0.03 0.00	30.45 0.00 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.52 0.00 0.00	30.16 -0.06 0.00	25.85 -0.13 0.00	22.02 -0.11 0.00
INDECK___OLEAN 23982	20.81 -0.32 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.79 -0.20 0.00	18.75 0.11 0.00	21.83 0.32 0.00	28.18 -0.37 0.00	31.04 0.03 0.00	29.51 -0.51 0.00	29.18 -0.50 0.00	28.73 -0.77 0.00	28.62 -0.95 0.00	28.23 -0.78 0.00	28.22 -0.58 0.00	27.17 -0.73 0.00	26.22 -0.81 0.00	28.08 -0.96 0.00	29.99 -0.46 0.00	31.75 -0.71 0.00	35.00 -0.46 0.00	36.26 -0.25 0.00	30.19 -0.03 0.00	26.17 0.18 0.00	22.04 -0.09 0.00
INDECK___OSWEGO 23783	20.62 -0.51 0.00	18.85 -0.44 0.00	18.51 -0.42 0.00	17.55 -0.43 0.00	18.22 -0.41 0.00	21.10 -0.41 0.00	27.84 -0.71 0.00	30.46 -0.56 0.00	29.33 -0.69 0.00	29.06 -0.62 0.00	28.82 -0.68 0.00	28.86 -0.71 0.00	28.32 -0.70 0.00	28.16 -0.63 0.00	27.22 -0.67 0.00	26.30 -0.73 0.00	28.23 -0.81 0.00	29.87 -0.58 0.00	31.85 -0.62 0.00	34.85 -0.60 0.00	36.01 -0.51 0.00	29.74 -0.48 0.00	25.49 -0.49 0.00	21.66 -0.47 0.00
INDECK___YERKES 23781	20.26 -0.87 0.00	18.63 -0.66 0.00	18.45 -0.47 0.00	17.34 -0.65 0.00	18.32 -0.32 0.00	21.31 -0.19 0.00	27.36 -1.20 0.00	29.68 -1.33 0.00	28.64 -1.38 0.00	28.37 -1.31 0.00	27.99 -1.50 0.00	27.76 -1.80 0.00	27.42 -1.60 0.00	27.44 -1.35 0.00	26.44 -1.45 0.00	25.49 -1.54 0.00	27.21 -1.83 0.00	28.99 -1.46 0.00	30.62 -1.85 0.00	33.79 -1.67 0.00	34.99 -1.53 0.00	29.14 -1.09 0.00	25.18 -0.81 0.00	21.62 -0.51 0.00
INDIAN POINT_GT_1 24139	22.39 1.27 0.00	20.35 1.06 0.00	19.91 0.98 0.00	18.97 0.99 0.00	19.55 0.91 0.00	22.50 0.99 0.00	30.01 1.46 0.00	33.03 2.02 0.00	31.70 1.68 0.00	31.37 1.69 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.57 1.54 0.00	30.67 1.63 0.00	32.43 1.98 0.00	34.58 2.11 0.00	37.73 2.27 0.00	38.71 2.19 0.00	31.77 1.54 0.00	27.15 1.17 0.00	23.21 1.08 0.00
INDIAN POINT_GT_2 23659	22.39 1.27 0.00	20.35 1.06 0.00	19.91 0.98 0.00	18.97 0.99 0.00	19.55 0.91 0.00	22.50 0.99 0.00	30.01 1.46 0.00	33.03 2.02 0.00	31.70 1.68 0.00	31.37 1.69 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.57 1.54 0.00	30.67 1.63 0.00	32.43 1.98 0.00	34.58 2.11 0.00	37.73 2.27 0.00	38.71 2.19 0.00	31.77 1.54 0.00	27.15 1.17 0.00	23.21 1.08 0.00
INDIAN POINT_GT_3 24019	22.39 1.27 0.00	20.35 1.06 0.00	19.91 0.98 0.00	18.97 0.99 0.00	19.55 0.91 0.00	22.50 0.99 0.00	30.01 1.46 0.00	33.03 2.02 0.00	31.70 1.68 0.00	31.37 1.69 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.57 1.54 0.00	30.67 1.63 0.00	32.43 1.98 0.00	34.58 2.11 0.00	37.73 2.27 0.00	38.71 2.19 0.00	31.77 1.54 0.00	27.15 1.17 0.00	23.21 1.08 0.00
INDIAN POINT___2 23530	22.41 1.29 0.00	20.37 1.08 0.00	19.92 1.00 0.00	18.99 1.01 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.13 1.57 0.00	33.18 2.17 0.00	31.94 1.92 0.00	31.67 1.99 0.00	31.39 1.89 0.00	31.49 1.92 0.00	30.87 1.86 0.00	30.58 1.79 0.00	29.65 1.76 0.00	28.76 1.73 0.00	30.90 1.86 0.00	32.67 2.22 0.00	34.97 2.50 0.00	38.01 2.55 0.00	39.00 2.48 0.00	32.28 2.06 0.00	27.28 1.30 0.00	23.23 1.11 0.00
INDIAN POINT___3 23531	22.29 1.16 0.00	20.27 0.98 0.00	19.83 0.91 0.00	18.90 0.92 0.00	19.49 0.86 0.00	22.43 0.92 0.00	29.90 1.34 0.00	32.84 1.83 0.00	31.49 1.47 0.00	31.16 1.48 0.00	30.94 1.45 0.00	31.05 1.48 0.00	30.46 1.45 0.00	30.18 1.38 0.00	29.29 1.39 0.00	28.38 1.35 0.00	30.46 1.42 0.00	32.21 1.77 0.00	34.35 1.88 0.00	37.44 1.99 0.00	38.42 1.90 0.00	31.55 1.33 0.00	27.05 1.07 0.00	23.08 0.95 0.00
INGHAM_C_115KV_TB7 356103	20.60 -0.53 0.00	18.79 -0.50 0.00	18.39 -0.53 0.00	17.48 -0.50 0.00	18.07 -0.56 0.00	20.88 -0.62 0.00	27.84 -0.71 0.00	30.30 -0.71 0.00	29.24 -0.78 0.00	28.94 -0.74 0.00	28.73 -0.77 0.00	28.86 -0.71 0.00	28.35 -0.67 0.00	28.13 -0.66 0.00	27.28 -0.61 0.00	26.47 -0.57 0.00	28.46 -0.58 0.00	29.87 -0.58 0.00	31.85 -0.62 0.00	34.82 -0.64 0.00	35.82 -0.69 0.00	29.56 -0.66 0.00	25.33 -0.65 0.00	21.57 -0.55 0.00
IP CORINTH___1 23988	21.59 0.46 0.00	19.68 0.39 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.96 0.45 0.00	29.53 0.97 0.00	32.22 1.21 0.00	30.89 0.87 0.00	30.51 0.83 0.00	30.44 0.94 0.00	30.51 0.95 0.00	29.85 0.84 0.00	29.63 0.84 0.00	28.65 0.75 0.00	27.74 0.70 0.00	29.82 0.78 0.00	31.61 1.16 0.00	33.74 1.27 0.00	36.77 1.31 0.00	37.87 1.35 0.00	31.13 0.91 0.00	26.56 0.57 0.00	22.57 0.44 0.00
IP___TICONDEROGA 23804	22.05 0.93 0.00	20.06 0.77 0.00	19.74 0.81 0.00	18.85 0.86 0.00	19.45 0.82 0.00	22.45 0.95 0.00	30.38 1.83 0.00	33.12 2.11 0.00	31.70 1.68 0.00	31.28 1.60 0.00	31.30 1.80 0.00	31.40 1.83 0.00	30.64 1.62 0.00	30.44 1.64 0.00	29.37 1.48 0.00	28.41 1.38 0.00	30.58 1.54 0.00	32.55 2.10 0.00	34.77 2.31 0.00	37.87 2.41 0.00	39.07 2.56 0.00	32.07 1.84 0.00	27.28 1.30 0.00	23.14 1.02 0.00



ISLIP_RES_REC 323679	23.66 1.92 -0.61	21.14 1.66 -0.19	20.64 1.61 -0.11	19.98 1.53 -0.46	21.23 1.51 -1.09	24.73 1.70 -1.53	37.92 2.06 -7.31	36.60 2.76 -2.83	32.63 2.61 0.00	32.17 2.49 0.00	32.00 2.51 0.00	32.39 2.81 -0.01	31.51 2.50 0.00	31.33 2.53 0.00	30.44 2.54 -0.01	29.58 2.54 -0.01	31.87 2.73 -0.10	37.44 3.02 -3.97	43.28 3.38 -7.43	49.80 3.55 -10.80	49.46 3.51 -9.44	37.46 2.93 -4.30	31.52 1.97 -3.57	26.70 1.75 -2.82
JAMAICA__27_KV_LOAD 355505	22.48 1.35 0.00	20.33 1.04 0.00	19.87 0.95 0.00	18.94 0.95 0.00	19.49 0.86 0.00	22.50 0.99 0.00	30.21 1.66 0.00	33.37 2.36 0.00	33.15 1.92 -1.21	33.87 1.93 -2.26	32.66 1.89 -1.27	33.50 1.92 -2.01	31.41 1.86 -0.54	31.04 1.79 -0.45	30.72 1.79 -1.04	31.06 1.73 -2.30	32.62 1.86 -1.72	32.83 2.22 -0.15	35.00 2.53 0.00	38.29 2.84 0.00	39.26 2.74 0.00	32.10 1.87 0.00	27.33 1.35 0.00	23.32 1.19 0.00
JANIS____SOLAR 323808	21.91 0.78 0.00	20.08 0.79 0.00	19.66 0.74 0.00	18.61 0.63 0.00	19.40 0.76 0.00	22.60 1.10 0.00	29.84 1.29 0.00	32.84 1.83 0.00	31.34 1.32 0.00	31.08 1.40 0.00	30.56 1.06 0.00	30.57 1.01 0.00	30.00 0.99 0.00	29.86 1.07 0.00	28.81 0.92 0.00	27.82 0.78 0.00	29.97 0.93 0.00	31.91 1.46 0.00	34.06 1.59 0.00	37.41 1.95 0.00	38.82 2.30 0.00	31.98 1.75 0.00	27.33 1.35 0.00	23.17 1.04 0.00
JARVIS____ 23743	21.23 0.11 0.00	19.39 0.10 0.00	19.00 0.08 0.00	18.06 0.07 0.00	18.71 0.07 0.00	21.59 0.09 0.00	28.76 0.20 0.00	31.32 0.31 0.00	30.23 0.21 0.00	29.92 0.24 0.00	29.70 0.21 0.00	29.78 0.21 0.00	29.22 0.20 0.00	29.00 0.20 0.00	28.09 0.20 0.00	27.22 0.19 0.00	29.25 0.20 0.00	30.72 0.27 0.00	32.76 0.29 0.00	35.78 0.32 0.00	36.81 0.29 0.00	30.46 0.24 0.00	26.09 0.10 0.00	22.19 0.07 0.00
JENNISON____1 23625	22.12 0.99 0.00	20.24 0.95 0.00	19.79 0.87 0.00	18.76 0.77 0.00	19.51 0.88 0.00	22.73 1.23 0.00	30.01 1.46 0.00	33.03 2.02 0.00	31.58 1.56 0.00	31.31 1.63 0.00	30.94 1.45 0.00	31.02 1.45 0.00	30.46 1.45 0.00	30.29 1.50 0.00	29.21 1.31 0.00	28.22 1.19 0.00	30.32 1.28 0.00	32.18 1.74 0.00	34.38 1.92 0.00	37.58 2.13 0.00	38.89 2.37 0.00	32.01 1.78 0.00	27.46 1.48 0.00	23.32 1.19 0.00
JENNISON____2 23626	22.12 0.99 0.00	20.24 0.95 0.00	19.79 0.87 0.00	18.76 0.77 0.00	19.51 0.88 0.00	22.73 1.23 0.00	30.01 1.46 0.00	33.03 2.02 0.00	31.58 1.56 0.00	31.31 1.63 0.00	30.94 1.45 0.00	31.02 1.45 0.00	30.46 1.45 0.00	30.29 1.50 0.00	29.21 1.31 0.00	28.22 1.19 0.00	30.32 1.28 0.00	32.18 1.74 0.00	34.38 1.92 0.00	37.58 2.13 0.00	38.89 2.37 0.00	32.01 1.78 0.00	27.46 1.48 0.00	23.32 1.19 0.00
JERICHO_RISE_WT_PWR 323719	20.51 -0.61 0.00	18.73 -0.56 0.00	18.39 -0.53 0.00	17.52 -0.47 0.00	18.17 -0.47 0.00	20.93 -0.58 0.00	27.04 -1.51 0.00	28.44 -2.57 0.00	27.98 -2.04 0.00	27.60 -2.08 0.00	27.70 -1.80 0.00	27.79 -1.77 0.00	27.24 -1.77 0.00	27.12 -1.67 0.00	26.44 -1.45 0.00	25.79 -1.24 0.00	27.76 -1.28 0.00	28.77 -1.67 0.00	30.65 -1.82 0.00	33.51 -1.95 0.00	34.51 -2.01 0.00	28.62 -1.60 0.00	25.20 -0.78 0.00	21.99 -0.13 0.00
KATONAH__115KV_46KV_TB4 355592	22.43 1.31 0.00	20.39 1.10 0.00	19.96 1.04 0.00	19.01 1.03 0.00	19.57 0.93 0.00	22.54 1.03 0.00	30.13 1.57 0.00	33.12 2.11 0.00	31.85 1.83 0.00	31.55 1.87 0.00	31.38 1.89 0.00	31.49 1.92 0.00	30.93 1.91 0.00	30.61 1.81 0.00	29.68 1.79 0.00	28.74 1.70 0.00	30.78 1.74 0.00	32.61 2.16 0.00	34.71 2.24 0.00	37.80 2.34 0.00	38.93 2.41 0.00	31.92 1.69 0.00	27.23 1.25 0.00	23.26 1.13 0.00
KCE_NY_1 323755	21.84 0.72 0.00	19.93 0.64 0.00	19.57 0.64 0.00	18.65 0.67 0.00	19.27 0.63 0.00	22.20 0.69 0.00	29.78 1.23 0.00	32.56 1.55 0.00	31.22 1.20 0.00	30.90 1.22 0.00	30.71 1.21 0.00	30.81 1.24 0.00	30.14 1.13 0.00	29.89 1.09 0.00	28.95 1.06 0.00	28.06 1.03 0.00	30.17 1.13 0.00	31.91 1.46 0.00	34.12 1.66 0.00	37.16 1.70 0.00	38.20 1.68 0.00	31.62 1.39 0.00	26.87 0.88 0.00	22.81 0.69 0.00
KCE_NY_6_ESR 323823	20.51 -0.61 0.00	18.85 -0.44 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.52 -0.11 0.00	21.57 0.06 0.00	27.76 -0.80 0.00	30.21 -0.81 0.00	28.97 -1.05 0.00	28.70 -0.98 0.00	28.29 -1.21 0.00	28.15 -1.42 0.00	27.80 -1.22 0.00	27.79 -1.01 0.00	26.81 -1.09 0.00	25.84 -1.19 0.00	27.62 -1.42 0.00	29.41 -1.04 0.00	31.11 -1.36 0.00	34.32 -1.14 0.00	35.53 -0.98 0.00	29.59 -0.64 0.00	25.57 -0.42 0.00	21.86 -0.26 0.00
KEDC_PORT_JEFF_GT2 24210	23.73 1.84 -0.77	21.13 1.60 -0.24	20.59 1.53 -0.14	20.04 1.48 -0.58	21.45 1.45 -1.37	25.04 1.61 -1.92	39.72 1.94 -9.23	37.22 2.63 -3.57	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.25 2.34 -0.01	29.42 2.38 -0.01	31.73 2.56 -0.13	38.30 2.83 -5.02	44.94 3.09 -9.38	52.35 3.26 -13.63	51.61 3.18 -11.92	38.32 2.66 -5.43	32.33 1.85 -4.50	26.96 1.66 -3.17
KEDC_PORT_JEFF_GT3 24211	23.73 1.84 -0.77	21.13 1.60 -0.24	20.59 1.53 -0.14	20.04 1.48 -0.58	21.45 1.45 -1.37	25.04 1.61 -1.92	39.72 1.94 -9.23	37.22 2.63 -3.57	32.45 2.43 0.00	32.02 2.34 0.00	31.86 2.36 0.00	32.21 2.63 -0.01	31.34 2.32 0.00	31.16 2.36 0.00	30.25 2.34 -0.01	29.42 2.38 -0.01	31.73 2.56 -0.13	38.30 2.83 -5.02	44.94 3.09 -9.38	52.35 3.26 -13.63	51.61 3.18 -11.92	38.32 2.66 -5.43	32.33 1.85 -4.50	26.96 1.66 -3.17
KEDC_GLWD_GT4 24219	22.69 1.54 -0.02	20.62 1.31 -0.01	20.18 1.25 -0.01	19.22 1.22 -0.01	19.83 1.17 -0.02	22.83 1.29 -0.03	30.36 1.80 0.00	33.50 2.48 0.00	32.21 2.19 0.00	31.91 2.23 0.00	31.68 2.18 0.00	31.91 2.34 -0.01	31.22 2.20 0.00	30.96 2.16 0.00	30.05 2.15 -0.01	29.15 2.11 -0.01	31.29 2.24 -0.01	33.10 2.65 -0.01	35.40 2.92 -0.01	38.52 3.05 -0.01	39.52 3.00 -0.01	32.71 2.48 -0.01	27.63 1.64 -0.01	24.97 1.35 -1.49
KEDC_GLWD_GT5 24220	22.69 1.54 -0.02	20.62 1.31 -0.01	20.18 1.25 -0.01	19.22 1.22 -0.01	19.83 1.17 -0.02	22.83 1.29 -0.03	30.36 1.80 0.00	33.50 2.48 0.00	32.21 2.19 0.00	31.91 2.23 0.00	31.68 2.18 0.00	31.91 2.34 -0.01	31.22 2.20 0.00	30.96 2.16 0.00	30.05 2.15 -0.01	29.15 2.11 -0.01	31.29 2.24 -0.01	33.10 2.65 -0.01	35.40 2.92 -0.01	38.52 3.05 -0.01	39.52 3.00 -0.01	32.71 2.48 -0.01	27.63 1.64 -0.01	24.97 1.35 -1.49
KENSICO____ 23655	22.41 1.29 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.99 1.01 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.03 2.02 0.00	31.73 1.71 0.00	31.40 1.72 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.61 2.14 0.00	37.76 2.30 0.00	38.74 2.23 0.00	31.77 1.54 0.00	27.18 1.20 0.00	23.21 1.08 0.00



KERHONKS_69_KV_TR1_REV_LBMP_G 345021	22.48 1.35 0.00	20.39 1.10 0.00	19.96 1.04 0.00	18.97 0.99 0.00	19.58 0.95 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.09 2.08 0.00	31.73 1.71 0.00	31.37 1.69 0.00	31.15 1.65 0.00	31.16 1.60 0.00	30.61 1.60 0.00	30.38 1.58 0.00	29.46 1.56 0.00	28.52 1.49 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.68 2.21 0.00	37.80 2.34 0.00	38.82 2.30 0.00	31.83 1.60 0.00	27.31 1.33 0.00	23.26 1.13 0.00
KIAC_JFK_GT1 23816	22.35 1.23 0.00	20.24 0.95 0.00	19.77 0.85 0.00	18.85 0.86 0.00	19.40 0.76 0.00	22.39 0.88 0.00	30.04 1.48 0.00	33.18 2.17 0.00	33.00 1.77 -1.21	33.72 1.78 -2.26	32.51 1.74 -1.27	33.35 1.77 -2.01	31.27 1.71 -0.54	30.86 1.61 -0.45	30.58 1.65 -1.04	30.93 1.59 -2.30	32.45 1.68 -1.72	32.67 2.07 -0.15	34.81 2.34 0.00	38.08 2.62 0.00	39.00 2.48 0.00	31.92 1.69 0.00	27.20 1.22 0.00	23.19 1.06 0.00
KIAC_JFK_GT2 23817	22.35 1.23 0.00	20.24 0.95 0.00	19.77 0.85 0.00	18.85 0.86 0.00	19.40 0.76 0.00	22.39 0.88 0.00	30.04 1.48 0.00	33.18 2.17 0.00	33.00 1.77 -1.21	33.72 1.78 -2.26	32.51 1.74 -1.27	33.35 1.77 -2.01	31.27 1.71 -0.54	30.86 1.61 -0.45	30.58 1.65 -1.04	30.93 1.59 -2.30	32.45 1.68 -1.72	32.67 2.07 -0.15	34.81 2.34 0.00	38.08 2.62 0.00	39.00 2.48 0.00	31.92 1.69 0.00	27.20 1.22 0.00	23.19 1.06 0.00
KIAC_JFK____ 323774	22.35 1.22 0.00	20.23 0.94 0.00	19.77 0.85 0.00	18.85 0.86 0.00	19.40 0.76 0.00	22.39 0.88 0.00	30.15 1.60 0.00	33.34 2.33 0.00	33.21 1.98 -1.21	33.99 2.05 -2.26	32.72 1.95 -1.27	33.56 1.98 -2.01	31.44 1.88 -0.54	31.07 1.82 -0.45	30.72 1.79 -1.04	31.09 1.76 -2.30	32.65 1.89 -1.72	32.86 2.25 -0.15	35.10 2.63 0.00	38.33 2.87 0.00	39.26 2.74 0.00	32.46 2.24 0.00	27.31 1.32 0.00	23.21 1.08 0.00
KINTIGH____ 23543	20.24 -0.89 0.00	18.60 -0.69 0.00	18.37 -0.55 0.00	17.30 -0.68 0.00	18.22 -0.41 0.00	21.18 -0.32 0.00	27.27 -1.29 0.00	29.59 -1.43 0.00	28.49 -1.53 0.00	27.96 -1.72 0.00	27.87 -1.62 0.00	27.85 -1.71 0.00	27.36 -1.65 0.00	27.36 -1.44 0.00	26.28 -1.62 0.00	25.49 -1.54 0.00	27.24 -1.80 0.00	28.93 -1.52 0.00	31.04 -1.43 0.00	33.83 -1.63 0.00	34.87 -1.64 0.00	28.98 -1.24 0.00	25.02 -0.96 0.00	21.53 -0.60 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	20.64 -0.49 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.64 -0.34 0.00	18.30 -0.34 0.00	21.08 -0.43 0.00	27.98 -0.57 0.00	30.05 -0.96 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.74 -0.06 0.00	28.09 0.20 0.00	27.47 0.43 0.00	29.65 0.61 0.00	30.84 0.40 0.00	32.83 0.36 0.00	35.92 0.46 0.00	37.03 0.51 0.00	30.92 0.70 0.00	26.40 0.42 0.00	22.39 0.27 0.00
LACHUTE____HYDRO 323717	22.05 0.93 0.00	20.06 0.77 0.00	19.74 0.81 0.00	18.85 0.86 0.00	19.45 0.82 0.00	22.45 0.95 0.00	30.41 1.86 0.00	33.22 2.20 0.00	31.82 1.80 0.00	31.43 1.75 0.00	31.39 1.89 0.00	31.49 1.92 0.00	30.72 1.71 0.00	30.52 1.73 0.00	29.46 1.56 0.00	28.49 1.46 0.00	30.67 1.63 0.00	32.64 2.19 0.00	34.91 2.44 0.00	37.94 2.48 0.00	39.11 2.59 0.00	32.31 2.08 0.00	27.33 1.35 0.00	23.14 1.02 0.00
LAWRNCALV_115KV_TB1 80681	20.34 -0.78 0.00	18.58 -0.71 0.00	18.20 -0.72 0.00	17.32 -0.67 0.00	17.96 -0.67 0.00	20.75 -0.75 0.00	27.67 -0.89 0.00	29.80 -1.21 0.00	29.15 -0.87 0.00	28.82 -0.86 0.00	28.70 -0.80 0.00	28.80 -0.77 0.00	28.23 -0.78 0.00	27.99 -0.81 0.00	27.20 -0.70 0.00	26.41 -0.62 0.00	28.40 -0.64 0.00	29.41 -1.04 0.00	31.33 -1.14 0.00	34.25 -1.21 0.00	35.39 -1.13 0.00	29.56 -0.66 0.00	25.36 -0.62 0.00	21.57 -0.55 0.00
LEDERLE____ 23769	22.33 1.20 0.00	20.29 1.00 0.00	19.87 0.95 0.00	18.92 0.94 0.00	19.51 0.88 0.00	22.48 0.97 0.00	29.96 1.40 0.00	32.91 1.89 0.00	31.49 1.47 0.00	31.16 1.48 0.00	30.97 1.47 0.00	31.05 1.48 0.00	30.49 1.48 0.00	30.21 1.41 0.00	29.34 1.45 0.00	28.41 1.38 0.00	30.49 1.45 0.00	32.21 1.77 0.00	34.32 1.85 0.00	37.44 1.99 0.00	38.42 1.90 0.00	31.55 1.33 0.00	27.10 1.12 0.00	23.10 0.97 0.00
LIGHTHSE_115KV_TB6 355974	20.70 -0.42 0.00	18.94 -0.35 0.00	18.56 -0.36 0.00	17.61 -0.38 0.00	18.28 -0.35 0.00	21.21 -0.30 0.00	28.07 -0.49 0.00	30.70 -0.31 0.00	29.48 -0.54 0.00	29.18 -0.50 0.00	28.99 -0.50 0.00	29.04 -0.53 0.00	28.49 -0.52 0.00	28.31 -0.49 0.00	27.31 -0.59 0.00	26.47 -0.57 0.00	28.46 -0.58 0.00	30.02 -0.43 0.00	32.11 -0.36 0.00	35.14 -0.32 0.00	36.33 -0.18 0.00	29.98 -0.24 0.00	25.70 -0.29 0.00	21.86 -0.27 0.00
LINDEN COGEN____ 23786	22.50 1.37 0.00	20.41 1.12 0.00	19.96 1.04 0.00	19.03 1.04 0.00	19.58 0.95 0.00	22.54 1.03 0.00	30.18 1.63 0.00	33.34 2.33 0.00	33.33 2.10 -1.21	34.08 2.14 -2.26	32.80 2.03 -1.27	33.64 2.07 -2.01	31.56 2.00 -0.54	31.18 1.93 -0.45	30.83 1.90 -1.04	31.22 1.89 -2.30	32.80 2.03 -1.72	33.01 2.40 -0.15	35.13 2.66 0.00	38.19 2.73 0.00	39.15 2.63 0.00	32.46 2.24 0.00	27.31 1.32 0.00	23.28 1.15 0.00
LINDHRST_69_KV_BK1 356055	23.03 1.84 -0.06	20.90 1.58 -0.02	20.44 1.51 -0.01	19.49 1.47 -0.03	20.15 1.43 -0.08	23.26 1.61 -0.14	30.88 1.88 -0.44	33.73 2.54 -0.17	32.30 2.28 0.00	31.82 2.14 0.00	31.71 2.21 0.00	31.99 2.42 0.00	31.16 2.15 0.00	30.96 2.16 0.00	30.18 2.29 0.00	29.25 2.22 0.00	31.43 2.38 -0.01	33.43 2.74 -0.24	35.91 2.99 -0.45	39.34 3.23 -0.65	40.26 3.18 -0.57	32.81 2.33 -0.26	28.02 1.82 -0.22	25.37 1.66 -1.58
LIPA_MISC_IPP 23656	23.59 1.75 -0.71	21.04 1.52 -0.22	20.54 1.49 -0.12	19.94 1.42 -0.53	21.27 1.38 -1.26	24.84 1.55 -1.79	38.92 1.77 -8.60	36.73 2.39 -3.33	32.18 2.16 0.00	31.64 1.96 0.00	31.53 2.04 0.00	31.84 2.28 0.00	30.99 1.97 0.00	30.78 1.99 0.00	30.01 2.12 0.00	29.11 2.08 0.00	31.45 2.29 -0.11	37.61 2.50 -4.67	43.97 2.76 -8.74	51.13 2.98 -12.69	50.54 2.92 -11.10	37.39 2.12 -5.05	31.81 1.64 -4.19	26.73 1.55 -3.05
LISF____SOLAR 323691	23.63 1.79 -0.71	21.07 1.56 -0.22	20.56 1.51 -0.13	19.98 1.46 -0.54	21.31 1.42 -1.26	24.87 1.59 -1.77	39.02 1.94 -8.53	36.92 2.61 -3.30	32.39 2.37 0.00	31.93 2.25 0.00	31.77 2.27 0.00	32.12 2.54 -0.01	31.28 2.26 0.00	31.10 2.30 0.00	30.19 2.29 -0.01	29.34 2.30 -0.01	31.69 2.53 -0.12	37.85 2.77 -4.64	44.29 3.15 -8.67	51.38 3.33 -12.59	50.78 3.25 -11.01	37.99 2.75 -5.02	31.94 1.79 -4.16	26.78 1.61 -3.04
LITTLE FALLS____HYD 24013	20.60 -0.53 0.00	18.79 -0.50 0.00	18.39 -0.53 0.00	17.48 -0.50 0.00	18.07 -0.56 0.00	20.88 -0.62 0.00	27.84 -0.71 0.00	30.30 -0.71 0.00	29.24 -0.78 0.00	28.94 -0.74 0.00	28.73 -0.77 0.00	28.86 -0.71 0.00	28.35 -0.67 0.00	28.13 -0.66 0.00	27.28 -0.61 0.00	26.47 -0.57 0.00	28.46 -0.58 0.00	29.87 -0.58 0.00	31.85 -0.62 0.00	34.82 -0.64 0.00	35.82 -0.69 0.00	29.56 -0.66 0.00	25.33 -0.65 0.00	21.57 -0.55 0.00



LITTLRIV_115KV_TB1 356100	20.53 -0.59 0.00	18.73 -0.56 0.00	18.35 -0.57 0.00	17.48 -0.50 0.00	18.13 -0.50 0.00	20.99 -0.52 0.00	27.98 -0.57 0.00	30.18 -0.84 0.00	29.51 -0.51 0.00	29.18 -0.50 0.00	29.05 -0.44 0.00	29.18 -0.38 0.00	28.58 -0.44 0.00	28.33 -0.46 0.00	27.50 -0.39 0.00	26.65 -0.38 0.00	28.66 -0.38 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.61 -0.85 0.00	35.79 -0.73 0.00	29.89 -0.33 0.00	25.62 -0.36 0.00	21.79 -0.33 0.00
LI_NEWBRDGE___DRP 323616	22.63 1.48 -0.02	20.58 1.27 -0.01	20.13 1.21 0.00	19.17 1.19 0.00	19.77 1.14 0.00	22.76 1.23 -0.02	30.04 1.48 0.00	33.12 2.11 0.00	31.79 1.77 0.00	31.37 1.69 0.00	31.24 1.74 0.00	31.49 1.92 0.00	30.73 1.71 0.00	30.49 1.70 0.00	29.71 1.81 0.00	28.79 1.76 0.00	30.90 1.86 0.00	32.67 2.22 0.00	34.87 2.40 0.00	38.05 2.59 0.00	39.00 2.48 0.00	32.01 1.78 0.00	27.39 1.40 0.00	24.85 1.24 -1.48
LOCKPORT_115KV_TB60_63_64 80432	20.07 -1.06 0.00	18.46 -0.83 0.00	18.28 -0.64 0.00	17.16 -0.83 0.00	18.15 -0.48 0.00	21.12 -0.39 0.00	27.04 -1.51 0.00	29.37 -1.64 0.00	28.19 -1.83 0.00	27.60 -2.08 0.00	27.52 -1.98 0.00	27.53 -2.04 0.00	27.10 -1.91 0.00	27.13 -1.67 0.00	25.97 -1.92 0.00	25.20 -1.84 0.00	26.89 -2.15 0.00	28.65 -1.80 0.00	30.85 -1.62 0.00	33.58 -1.88 0.00	34.62 -1.90 0.00	28.80 -1.42 0.00	24.89 -1.09 0.00	21.42 -0.71 0.00
LOCKPORT___CC1 323769	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.19 -0.45 0.00	21.16 -0.34 0.00	27.13 -1.43 0.00	29.40 -1.61 0.00	28.19 -1.83 0.00	27.96 -1.72 0.00	27.55 -1.95 0.00	27.44 -2.13 0.00	27.10 -1.92 0.00	27.12 -1.67 0.00	26.19 -1.70 0.00	25.25 -1.79 0.00	26.92 -2.12 0.00	28.68 -1.77 0.00	30.29 -2.18 0.00	33.44 -2.02 0.00	34.58 -1.94 0.00	28.83 -1.39 0.00	24.94 -1.04 0.00	21.44 -0.69 0.00
LOCKPORT___CC2 323770	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.19 -0.45 0.00	21.16 -0.34 0.00	27.13 -1.43 0.00	29.40 -1.61 0.00	28.19 -1.83 0.00	27.96 -1.72 0.00	27.55 -1.95 0.00	27.44 -2.13 0.00	27.10 -1.92 0.00	27.12 -1.67 0.00	26.19 -1.70 0.00	25.25 -1.79 0.00	26.92 -2.12 0.00	28.68 -1.77 0.00	30.29 -2.18 0.00	33.44 -2.02 0.00	34.58 -1.94 0.00	28.83 -1.39 0.00	24.94 -1.04 0.00	21.44 -0.69 0.00
LOCKPORT___CC3 323771	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.19 -0.45 0.00	21.16 -0.34 0.00	27.13 -1.43 0.00	29.40 -1.61 0.00	28.19 -1.83 0.00	27.96 -1.72 0.00	27.55 -1.95 0.00	27.44 -2.13 0.00	27.10 -1.92 0.00	27.12 -1.67 0.00	26.19 -1.70 0.00	25.25 -1.79 0.00	26.92 -2.12 0.00	28.68 -1.77 0.00	30.29 -2.18 0.00	33.44 -2.02 0.00	34.58 -1.94 0.00	28.83 -1.39 0.00	24.94 -1.04 0.00	21.44 -0.69 0.00
LONG_LAKE_PHOENIX 24014	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.14 -0.37 0.00	27.90 -0.66 0.00	30.55 -0.47 0.00	29.39 -0.63 0.00	29.06 -0.62 0.00	28.88 -0.62 0.00	28.95 -0.62 0.00	28.40 -0.61 0.00	28.22 -0.58 0.00	27.25 -0.64 0.00	26.33 -0.70 0.00	28.29 -0.76 0.00	29.90 -0.55 0.00	31.95 -0.52 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.68 -0.54 0.00	25.49 -0.49 0.00	21.68 -0.44 0.00
LOVETT___3 23632	22.24 1.12 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.39 0.88 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.90 1.33 0.00	30.35 1.33 0.00	30.06 1.27 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.06 1.61 0.00	34.19 1.72 0.00	37.27 1.81 0.00	38.23 1.72 0.00	31.43 1.21 0.00	27.00 1.01 0.00	23.03 0.91 0.00
LOVETT___4 23642	22.24 1.12 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.39 0.88 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.90 1.33 0.00	30.35 1.33 0.00	30.06 1.27 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.06 1.61 0.00	34.19 1.72 0.00	37.27 1.81 0.00	38.23 1.72 0.00	31.43 1.21 0.00	27.00 1.01 0.00	23.03 0.91 0.00
LOVETT___5 23593	22.24 1.12 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.39 0.88 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.90 1.33 0.00	30.35 1.33 0.00	30.06 1.27 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.06 1.61 0.00	34.19 1.72 0.00	37.27 1.81 0.00	38.23 1.72 0.00	31.43 1.21 0.00	27.00 1.01 0.00	23.03 0.91 0.00
LOWER RAQUET___HYD 24057	20.20 -0.93 0.00	18.42 -0.87 0.00	18.05 -0.87 0.00	17.19 -0.79 0.00	17.83 -0.80 0.00	20.61 -0.90 0.00	27.27 -1.28 0.00	29.28 -1.74 0.00	28.58 -1.44 0.00	28.14 -1.54 0.00	28.17 -1.33 0.00	28.27 -1.30 0.00	27.68 -1.33 0.00	27.47 -1.32 0.00	26.67 -1.23 0.00	25.90 -1.13 0.00	27.85 -1.19 0.00	28.83 -1.61 0.00	30.75 -1.72 0.00	33.65 -1.81 0.00	34.73 -1.79 0.00	28.80 -1.42 0.00	25.00 -0.99 0.00	21.44 -0.69 0.00
LOWER___HUDSON 24059	21.67 0.55 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.50 0.00	29.53 0.97 0.00	32.26 1.24 0.00	30.92 0.90 0.00	30.60 0.92 0.00	30.35 0.86 0.00	30.45 0.89 0.00	29.82 0.81 0.00	29.52 0.72 0.00	28.62 0.72 0.00	27.76 0.73 0.00	29.88 0.84 0.00	31.58 1.13 0.00	33.77 1.30 0.00	36.84 1.38 0.00	37.79 1.28 0.00	31.28 1.06 0.00	26.58 0.60 0.00	22.57 0.44 0.00
LOWVILLE_115KV_TB2 356335	20.91 -0.21 0.00	19.10 -0.19 0.00	18.68 -0.25 0.00	17.73 -0.25 0.00	18.39 -0.24 0.00	21.36 -0.15 0.00	28.50 -0.06 0.00	31.14 0.12 0.00	29.87 -0.15 0.00	29.59 -0.09 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.75 -0.26 0.00	28.51 -0.29 0.00	27.56 -0.33 0.00	26.95 -0.08 0.00	29.04 0.00 0.00	30.60 0.15 0.00	32.73 0.26 0.00	35.85 0.39 0.00	37.10 0.58 0.00	30.68 0.45 0.00	26.22 0.23 0.00	22.28 0.15 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	21.84 0.72 0.00	19.93 0.64 0.00	19.57 0.64 0.00	18.63 0.65 0.00	19.27 0.63 0.00	22.20 0.69 0.00	29.73 1.17 0.00	32.47 1.46 0.00	31.13 1.11 0.00	30.75 1.07 0.00	30.62 1.12 0.00	30.69 1.12 0.00	30.06 1.04 0.00	29.80 1.01 0.00	28.87 0.98 0.00	27.95 0.92 0.00	30.06 1.02 0.00	31.82 1.37 0.00	33.96 1.49 0.00	37.05 1.60 0.00	38.09 1.57 0.00	31.34 1.12 0.00	26.79 0.81 0.00	22.79 0.66 0.00
LUTHERNY_35_KV_BK2 355980	21.84 0.72 0.00	19.93 0.64 0.00	19.57 0.64 0.00	18.65 0.67 0.00	19.27 0.63 0.00	22.20 0.69 0.00	29.76 1.20 0.00	32.47 1.46 0.00	31.13 1.11 0.00	30.78 1.10 0.00	30.62 1.12 0.00	30.69 1.12 0.00	30.06 1.04 0.00	29.80 1.01 0.00	28.87 0.98 0.00	27.98 0.95 0.00	30.09 1.05 0.00	31.82 1.37 0.00	33.96 1.49 0.00	37.05 1.60 0.00	38.12 1.61 0.00	31.37 1.15 0.00	26.82 0.83 0.00	22.81 0.69 0.00



LWR___OSWEGATCHIE_HYD 23850	20.39 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.81 -0.74 0.00	30.18 -0.84 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.70 -0.80 0.00	28.77 -0.80 0.00	28.17 -0.84 0.00	27.96 -0.84 0.00	27.09 -0.81 0.00	26.36 -0.68 0.00	28.40 -0.64 0.00	29.66 -0.79 0.00	31.66 -0.81 0.00	34.68 -0.78 0.00	35.90 -0.62 0.00	29.80 -0.42 0.00	25.52 -0.47 0.00	21.68 -0.44 0.00
LYONS_FALL_HYD 23570	21.19 0.06 0.00	19.35 0.06 0.00	18.94 0.02 0.00	17.98 0.00 0.00	18.63 0.00 0.00	21.64 0.13 0.00	28.84 0.29 0.00	31.51 0.49 0.00	30.26 0.24 0.00	30.01 0.33 0.00	29.70 0.21 0.00	29.78 0.21 0.00	29.19 0.18 0.00	28.97 0.17 0.00	27.98 0.08 0.00	27.28 0.24 0.00	29.36 0.32 0.00	30.91 0.46 0.00	32.99 0.52 0.00	36.13 0.67 0.00	37.36 0.84 0.00	30.89 0.66 0.00	26.40 0.41 0.00	22.44 0.31 0.00
MADISON___COUNTY_LFGE 323628	21.63 0.51 0.00	19.77 0.48 0.00	19.36 0.44 0.00	18.36 0.38 0.00	19.06 0.43 0.00	22.11 0.60 0.00	29.36 0.80 0.00	32.13 1.12 0.00	30.92 0.90 0.00	30.63 0.95 0.00	30.38 0.88 0.00	30.46 0.89 0.00	29.88 0.87 0.00	29.66 0.86 0.00	28.65 0.75 0.00	27.76 0.73 0.00	29.82 0.78 0.00	31.45 1.00 0.00	33.57 1.10 0.00	36.70 1.24 0.00	37.91 1.39 0.00	31.25 1.03 0.00	26.76 0.78 0.00	22.75 0.62 0.00
MALONE___115KV_TB1 356076	20.58 -0.55 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.22 -0.41 0.00	21.03 -0.47 0.00	27.98 -0.57 0.00	30.08 -0.93 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.20 -0.29 0.00	29.30 -0.27 0.00	28.69 -0.32 0.00	28.57 -0.23 0.00	27.84 -0.06 0.00	27.09 0.05 0.00	29.19 0.15 0.00	30.30 -0.15 0.00	32.21 -0.26 0.00	35.28 -0.18 0.00	36.37 -0.15 0.00	30.41 0.18 0.00	25.98 0.00 0.00	22.06 -0.07 0.00
MAPLEWOD_115KV_TB3 80458	21.63 0.51 0.00	19.77 0.48 0.00	19.40 0.47 0.00	18.49 0.50 0.00	19.10 0.47 0.00	21.94 0.43 0.00	29.36 0.80 0.00	32.07 1.05 0.00	30.74 0.72 0.00	30.39 0.71 0.00	30.17 0.68 0.00	30.28 0.71 0.00	29.71 0.70 0.00	29.43 0.63 0.00	28.54 0.64 0.00	27.68 0.65 0.00	29.74 0.70 0.00	31.36 0.91 0.00	33.51 1.04 0.00	36.56 1.10 0.00	37.58 1.06 0.00	30.92 0.70 0.00	26.48 0.49 0.00	22.55 0.42 0.00
MAPLE_RIDGE_WT_1 323574	20.64 -0.49 0.00	18.85 -0.44 0.00	18.47 -0.45 0.00	17.55 -0.43 0.00	18.17 -0.47 0.00	20.95 -0.56 0.00	27.79 -0.77 0.00	30.02 -0.99 0.00	29.18 -0.84 0.00	28.79 -0.89 0.00	28.67 -0.83 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.08 -0.72 0.00	27.25 -0.64 0.00	26.49 -0.54 0.00	28.52 -0.52 0.00	29.75 -0.70 0.00	31.75 -0.71 0.00	34.64 -0.81 0.00	35.64 -0.88 0.00	29.47 -0.75 0.00	25.44 -0.55 0.00	21.71 -0.42 0.00
MAPLE_RIDGE_WT_2 323611	20.64 -0.49 0.00	18.85 -0.44 0.00	18.47 -0.45 0.00	17.55 -0.43 0.00	18.17 -0.47 0.00	20.95 -0.56 0.00	27.79 -0.77 0.00	30.02 -0.99 0.00	29.18 -0.84 0.00	28.79 -0.89 0.00	28.67 -0.83 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.08 -0.72 0.00	27.25 -0.64 0.00	26.49 -0.54 0.00	28.52 -0.52 0.00	29.75 -0.70 0.00	31.75 -0.71 0.00	34.64 -0.81 0.00	35.64 -0.88 0.00	29.47 -0.75 0.00	25.44 -0.55 0.00	21.71 -0.42 0.00
MARBLE_RIVER_WT_PWR 323696	20.32 -0.80 0.00	18.58 -0.71 0.00	18.24 -0.68 0.00	17.37 -0.61 0.00	17.98 -0.65 0.00	20.67 -0.84 0.00	25.79 -2.77 0.00	26.36 -4.65 0.00	26.03 -3.99 0.00	25.73 -3.95 0.00	25.93 -3.57 0.00	26.05 -3.52 0.00	25.59 -3.42 0.00	25.60 -3.20 0.00	25.11 -2.79 0.00	24.60 -2.43 0.00	26.63 -2.41 0.00	27.62 -2.83 0.00	29.45 -3.02 0.00	32.20 -3.26 0.00	33.12 -3.40 0.00	27.44 -2.78 0.00	24.71 -1.27 0.00	22.24 0.11 0.00
MARSHVLE_115KV_TB1 80742	22.81 1.69 0.00	20.85 1.56 0.00	20.47 1.55 0.00	19.48 1.49 0.00	20.20 1.57 0.00	23.49 1.98 0.00	31.41 2.86 0.00	34.42 3.41 0.00	32.84 2.82 0.00	32.38 2.70 0.00	32.03 2.54 0.00	32.11 2.54 0.00	31.42 2.41 0.00	31.27 2.48 0.00	30.21 2.32 0.00	29.22 2.19 0.00	31.48 2.44 0.00	33.61 3.17 0.00	36.01 3.54 0.00	39.25 3.79 0.00	40.57 4.05 0.00	33.31 3.08 0.00	28.43 2.44 0.00	24.10 1.97 0.00
MARSH_HILL_WT_PWR 323713	20.85 -0.28 0.00	19.17 -0.12 0.00	18.96 0.04 0.00	17.93 -0.05 0.00	18.86 0.22 0.00	22.02 0.52 0.00	28.67 0.11 0.00	31.51 0.49 0.00	30.08 0.06 0.00	29.74 0.06 0.00	29.29 -0.21 0.00	29.15 -0.41 0.00	28.72 -0.29 0.00	28.71 -0.09 0.00	27.64 -0.25 0.00	26.68 -0.35 0.00	28.63 -0.41 0.00	30.54 0.09 0.00	32.44 -0.03 0.00	35.74 0.28 0.00	37.07 0.55 0.00	30.68 0.45 0.00	26.42 0.44 0.00	22.37 0.24 0.00
MCINTYRE_115KV_TB2 80467	20.83 -0.30 0.00	19.00 -0.29 0.00	18.62 -0.30 0.00	17.73 -0.25 0.00	18.39 -0.24 0.00	21.29 -0.22 0.00	28.38 -0.17 0.00	30.55 -0.47 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.41 -0.09 0.00	29.51 -0.06 0.00	28.90 -0.12 0.00	28.65 -0.14 0.00	27.81 -0.08 0.00	26.95 -0.08 0.00	28.98 -0.06 0.00	29.99 -0.46 0.00	31.98 -0.49 0.00	35.03 -0.43 0.00	36.19 -0.33 0.00	30.28 0.06 0.00	25.96 -0.03 0.00	22.08 -0.04 0.00
MECO____69_KV_BK1 80468	23.36 2.24 0.00	21.33 2.04 0.00	20.97 2.04 0.00	19.98 2.00 0.00	20.72 2.09 0.00	24.11 2.60 0.00	32.44 3.88 0.00	35.54 4.53 0.00	33.77 3.75 0.00	33.21 3.53 0.00	32.80 3.30 0.00	32.88 3.31 0.00	32.18 3.16 0.00	32.02 3.23 0.00	30.93 3.04 0.00	29.98 2.95 0.00	32.38 3.34 0.00	34.83 4.38 0.00	37.27 4.81 0.00	40.53 5.07 0.00	41.96 5.44 0.00	34.36 4.14 0.00	29.23 3.25 0.00	24.74 2.61 0.00
MENANDS__115KV_TB5 355628	21.55 0.42 0.00	19.71 0.42 0.00	19.34 0.42 0.00	18.43 0.45 0.00	19.04 0.41 0.00	21.87 0.37 0.00	29.27 0.71 0.00	31.97 0.96 0.00	30.65 0.63 0.00	30.33 0.65 0.00	30.12 0.62 0.00	30.19 0.62 0.00	29.62 0.61 0.00	29.34 0.55 0.00	28.45 0.56 0.00	27.60 0.57 0.00	29.65 0.61 0.00	31.27 0.82 0.00	33.38 0.91 0.00	36.45 0.99 0.00	37.43 0.91 0.00	30.80 0.57 0.00	26.37 0.39 0.00	22.46 0.33 0.00
MG INDUSTRY___DRP 24185	21.57 0.44 0.00	19.73 0.44 0.00	19.38 0.45 0.00	18.45 0.47 0.00	19.06 0.43 0.00	21.92 0.41 0.00	29.30 0.74 0.00	31.91 0.90 0.00	30.65 0.63 0.00	30.27 0.59 0.00	30.06 0.56 0.00	30.13 0.56 0.00	29.56 0.55 0.00	29.29 0.49 0.00	28.40 0.50 0.00	27.55 0.51 0.00	29.62 0.58 0.00	31.21 0.76 0.00	33.31 0.84 0.00	36.38 0.92 0.00	37.39 0.88 0.00	30.83 0.60 0.00	26.40 0.42 0.00	22.50 0.38 0.00
MID___OSWEGATCHIE_HYD 23849	20.39 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.81 -0.74 0.00	30.18 -0.84 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.70 -0.80 0.00	28.77 -0.80 0.00	28.17 -0.84 0.00	27.96 -0.84 0.00	27.09 -0.81 0.00	26.36 -0.68 0.00	28.40 -0.64 0.00	29.66 -0.79 0.00	31.66 -0.81 0.00	34.68 -0.78 0.00	35.90 -0.62 0.00	29.80 -0.42 0.00	25.52 -0.47 0.00	21.68 -0.44 0.00



MID___RAQUETTE_HYD 23851	20.20 -0.93 0.00	18.42 -0.87 0.00	18.05 -0.87 0.00	17.19 -0.79 0.00	17.83 -0.80 0.00	20.60 -0.90 0.00	27.47 -1.09 0.00	29.59 -1.43 0.00	28.97 -1.05 0.00	28.64 -1.04 0.00	28.52 -0.97 0.00	28.62 -0.95 0.00	28.03 -0.99 0.00	27.82 -0.98 0.00	27.03 -0.86 0.00	26.22 -0.81 0.00	28.23 -0.81 0.00	29.23 -1.22 0.00	31.14 -1.33 0.00	34.07 -1.38 0.00	35.17 -1.35 0.00	29.41 -0.82 0.00	25.20 -0.78 0.00	21.44 -0.69 0.00
MILLIKEN___1 23584	21.38 0.25 0.00	19.58 0.29 0.00	19.22 0.30 0.00	18.20 0.22 0.00	18.95 0.32 0.00	22.00 0.49 0.00	28.96 0.40 0.00	31.82 0.81 0.00	30.50 0.48 0.00	30.10 0.42 0.00	29.85 0.35 0.00	29.89 0.33 0.00	29.30 0.29 0.00	29.17 0.37 0.00	28.12 0.22 0.00	27.20 0.16 0.00	29.24 0.20 0.00	31.03 0.58 0.00	33.22 0.75 0.00	36.34 0.89 0.00	37.58 1.06 0.00	30.89 0.66 0.00	26.56 0.57 0.00	22.55 0.42 0.00
MILLIKEN___2 23585	21.38 0.25 0.00	19.58 0.29 0.00	19.22 0.30 0.00	18.20 0.22 0.00	18.95 0.32 0.00	22.00 0.49 0.00	28.96 0.40 0.00	31.82 0.81 0.00	30.50 0.48 0.00	30.10 0.42 0.00	29.85 0.35 0.00	29.89 0.33 0.00	29.30 0.29 0.00	29.17 0.37 0.00	28.12 0.22 0.00	27.20 0.16 0.00	29.24 0.20 0.00	31.03 0.58 0.00	33.22 0.75 0.00	36.34 0.89 0.00	37.58 1.06 0.00	30.89 0.66 0.00	26.56 0.57 0.00	22.55 0.42 0.00
MILLIKEN___DIESEL 23629	21.38 0.25 0.00	19.58 0.29 0.00	19.22 0.30 0.00	18.20 0.22 0.00	18.95 0.32 0.00	22.00 0.49 0.00	28.96 0.40 0.00	31.82 0.81 0.00	30.50 0.48 0.00	30.10 0.42 0.00	29.85 0.35 0.00	29.89 0.33 0.00	29.30 0.29 0.00	29.17 0.37 0.00	28.12 0.22 0.00	27.20 0.16 0.00	29.24 0.20 0.00	31.03 0.58 0.00	33.22 0.75 0.00	36.34 0.89 0.00	37.58 1.06 0.00	30.89 0.66 0.00	26.56 0.57 0.00	22.55 0.42 0.00
MILLSEAT___LFGE 323607	20.36 -0.76 0.00	18.73 -0.56 0.00	18.52 -0.40 0.00	17.41 -0.58 0.00	18.37 -0.26 0.00	21.40 -0.11 0.00	27.58 -0.97 0.00	29.99 -1.02 0.00	28.82 -1.20 0.00	28.52 -1.16 0.00	28.14 -1.36 0.00	28.03 -1.54 0.00	27.65 -1.36 0.00	27.67 -1.12 0.00	26.72 -1.17 0.00	25.71 -1.32 0.00	27.44 -1.60 0.00	29.23 -1.22 0.00	30.88 -1.59 0.00	34.11 -1.35 0.00	35.24 -1.28 0.00	29.35 -0.88 0.00	25.36 -0.62 0.00	21.75 -0.38 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	22.37 1.25 0.00	20.33 1.04 0.00	19.91 0.98 0.00	18.96 0.97 0.00	19.55 0.91 0.00	22.50 0.99 0.00	29.98 1.43 0.00	32.97 1.95 0.00	31.64 1.62 0.00	31.34 1.66 0.00	31.12 1.62 0.00	31.22 1.66 0.00	30.64 1.62 0.00	30.32 1.53 0.00	29.46 1.56 0.00	28.55 1.51 0.00	30.61 1.57 0.00	32.40 1.95 0.00	34.55 2.08 0.00	37.66 2.20 0.00	38.64 2.12 0.00	31.70 1.48 0.00	27.13 1.14 0.00	23.17 1.04 0.00
MILLWOOD_13_KV_LOAD 356217	22.41 1.29 0.00	20.37 1.08 0.00	19.92 1.00 0.00	18.99 1.01 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.06 2.05 0.00	31.73 1.71 0.00	31.43 1.75 0.00	31.24 1.74 0.00	31.34 1.77 0.00	30.75 1.74 0.00	30.47 1.67 0.00	29.57 1.67 0.00	28.63 1.59 0.00	30.70 1.66 0.00	32.49 2.04 0.00	34.61 2.14 0.00	37.73 2.27 0.00	38.78 2.26 0.00	31.83 1.60 0.00	27.18 1.20 0.00	23.21 1.08 0.00
MODEL_CITY_ENERGY 24167	19.84 -1.29 0.00	18.25 -1.04 0.00	18.07 -0.85 0.00	16.98 -1.01 0.00	17.94 -0.69 0.00	20.88 -0.62 0.00	26.76 -1.80 0.00	28.97 -2.05 0.00	27.80 -2.22 0.00	27.54 -2.14 0.00	27.17 -2.33 0.00	27.03 -2.54 0.00	26.69 -2.32 0.00	26.72 -2.07 0.00	25.83 -2.06 0.00	24.87 -2.16 0.00	26.51 -2.53 0.00	28.26 -2.19 0.00	29.84 -2.63 0.00	32.94 -2.52 0.00	34.07 -2.45 0.00	28.41 -1.81 0.00	24.58 -1.40 0.00	21.15 -0.97 0.00
MODERN_LFGE___ 323580	19.84 -1.29 0.00	18.25 -1.04 0.00	18.07 -0.85 0.00	16.98 -1.01 0.00	17.94 -0.69 0.00	20.88 -0.62 0.00	26.76 -1.80 0.00	28.97 -2.05 0.00	27.80 -2.22 0.00	27.54 -2.14 0.00	27.17 -2.33 0.00	27.03 -2.54 0.00	26.69 -2.32 0.00	26.72 -2.07 0.00	25.83 -2.06 0.00	24.87 -2.16 0.00	26.51 -2.53 0.00	28.26 -2.19 0.00	29.84 -2.63 0.00	32.94 -2.52 0.00	34.07 -2.45 0.00	28.41 -1.81 0.00	24.58 -1.40 0.00	21.15 -0.97 0.00
MOHAWK_PAPER___DRP 24187	21.63 0.51 0.00	19.77 0.48 0.00	19.40 0.47 0.00	18.49 0.50 0.00	19.10 0.47 0.00	21.94 0.43 0.00	29.36 0.80 0.00	32.07 1.05 0.00	30.74 0.72 0.00	30.39 0.71 0.00	30.17 0.68 0.00	30.28 0.71 0.00	29.71 0.70 0.00	29.43 0.63 0.00	28.54 0.64 0.00	27.68 0.65 0.00	29.74 0.70 0.00	31.36 0.91 0.00	33.51 1.04 0.00	36.56 1.10 0.00	37.58 1.06 0.00	30.92 0.70 0.00	26.48 0.49 0.00	22.55 0.42 0.00
MOHICAN___35_KV_115KV_LD 80490	21.69 0.57 0.00	19.79 0.50 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.16 0.52 0.00	22.09 0.58 0.00	29.70 1.14 0.00	32.44 1.43 0.00	31.07 1.05 0.00	30.69 1.01 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.00 0.99 0.00	29.77 0.98 0.00	28.79 0.89 0.00	27.87 0.84 0.00	30.00 0.96 0.00	31.79 1.34 0.00	33.93 1.46 0.00	36.98 1.52 0.00	38.09 1.57 0.00	31.31 1.09 0.00	26.71 0.73 0.00	22.70 0.58 0.00
MONGAUP___HYD 23641	21.95 0.82 0.00	19.95 0.66 0.00	19.55 0.62 0.00	18.58 0.59 0.00	19.19 0.56 0.00	22.15 0.64 0.00	29.38 0.83 0.00	32.16 1.15 0.00	30.89 0.87 0.00	30.57 0.89 0.00	30.20 0.71 0.00	30.54 0.97 0.00	30.00 0.99 0.00	29.74 0.95 0.00	28.84 0.95 0.00	27.73 0.70 0.00	29.85 0.81 0.00	31.58 1.13 0.00	33.83 1.36 0.00	36.80 1.35 0.00	37.79 1.28 0.00	31.22 1.00 0.00	26.79 0.81 0.00	22.75 0.62 0.00
MONTAUK___DIESEL 23721	24.27 2.43 -0.71	21.67 2.16 -0.22	21.12 2.08 -0.12	20.51 2.00 -0.53	21.89 1.99 -1.26	25.55 2.26 -1.78	39.85 2.71 -8.58	37.90 3.57 -3.32	33.32 3.30 0.00	32.68 3.00 0.00	32.65 3.16 0.00	32.97 3.40 0.00	32.06 3.05 0.00	31.82 3.02 0.00	31.02 3.12 0.00	30.06 3.03 0.00	32.47 3.31 -0.11	38.76 3.65 -4.66	45.22 4.03 -8.72	52.49 4.36 -12.67	51.94 4.35 -11.08	38.60 3.32 -5.05	32.79 2.62 -4.18	27.50 2.32 -3.05
MOONROAD_115KV_HARTFLD_TB1-2 355988	20.79 -0.34 0.00	19.14 -0.15 0.00	18.94 0.02 0.00	17.81 -0.18 0.00	18.82 0.19 0.00	21.96 0.45 0.00	28.30 -0.26 0.00	31.08 0.06 0.00	29.69 -0.33 0.00	29.09 -0.59 0.00	28.97 -0.53 0.00	28.89 -0.68 0.00	28.40 -0.61 0.00	28.39 -0.40 0.00	27.20 -0.70 0.00	26.41 -0.62 0.00	28.31 -0.73 0.00	30.30 -0.15 0.00	32.70 0.23 0.00	35.81 0.35 0.00	37.03 0.51 0.00	30.62 0.39 0.00	26.53 0.55 0.00	22.46 0.33 0.00
MORTIMER_115KV_TB3 55949	20.60 -0.53 0.00	18.90 -0.39 0.00	18.64 -0.28 0.00	17.57 -0.41 0.00	18.43 -0.20 0.00	21.42 -0.09 0.00	27.90 -0.66 0.00	30.42 -0.59 0.00	29.36 -0.66 0.00	28.88 -0.80 0.00	28.79 -0.71 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.22 -0.58 0.00	27.14 -0.75 0.00	26.28 -0.76 0.00	28.11 -0.93 0.00	29.78 -0.67 0.00	31.85 -0.62 0.00	34.75 -0.71 0.00	35.82 -0.69 0.00	29.65 -0.57 0.00	25.57 -0.42 0.00	21.88 -0.24 0.00



MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	22.52 1.39 0.00	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.16 1.60 0.00	33.18 2.17 0.00	31.85 1.86 0.03	31.49 1.87 0.06	31.32 1.86 0.03	31.38 1.86 0.05	30.83 1.83 0.01	30.54 1.76 0.01	29.62 1.76 0.03	28.68 1.70 0.06	30.80 1.80 0.04	32.61 2.16 0.00	34.81 2.34 0.00	37.94 2.48 0.00	38.89 2.37 0.00	31.92 1.69 0.00	27.28 1.30 0.00	23.32 1.19 0.00
MUNSVILLE_WIND_PWR 323609	22.56 1.44 0.00	20.66 1.37 0.00	20.17 1.25 0.00	19.10 1.12 0.00	19.88 1.25 0.00	23.25 1.74 0.00	30.78 2.23 0.00	33.99 2.98 0.00	32.36 2.34 0.00	32.23 2.55 0.00	31.62 2.12 0.00	31.70 2.13 0.00	31.16 2.15 0.00	30.98 2.19 0.00	29.90 2.01 0.00	28.84 1.81 0.00	30.96 1.92 0.00	33.01 2.56 0.00	35.16 2.69 0.00	38.58 3.12 0.00	40.06 3.54 0.00	33.06 2.84 0.00	28.17 2.18 0.00	23.90 1.77 0.00
N SALMON___HYD 24042	20.58 -0.55 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.22 -0.41 0.00	21.03 -0.47 0.00	27.36 -1.20 0.00	28.97 -2.05 0.00	28.43 -1.59 0.00	28.02 -1.66 0.00	28.11 -1.39 0.00	28.18 -1.39 0.00	27.62 -1.39 0.00	27.47 -1.32 0.00	26.75 -1.14 0.00	26.06 -0.97 0.00	28.08 -0.96 0.00	29.11 -1.34 0.00	31.01 -1.46 0.00	33.90 -1.56 0.00	34.95 -1.57 0.00	28.98 -1.24 0.00	25.39 -0.60 0.00	22.06 -0.07 0.00
N.AKRON___115KV_KNAPP 355671	20.36 -0.76 0.00	18.73 -0.56 0.00	18.52 -0.40 0.00	17.41 -0.58 0.00	18.37 -0.26 0.00	21.42 -0.09 0.00	27.53 -1.03 0.00	29.99 -1.02 0.00	28.82 -1.20 0.00	28.23 -1.45 0.00	28.14 -1.36 0.00	28.15 -1.42 0.00	27.65 -1.36 0.00	27.67 -1.12 0.00	26.53 -1.37 0.00	25.71 -1.32 0.00	27.44 -1.60 0.00	29.23 -1.22 0.00	31.43 -1.04 0.00	34.25 -1.21 0.00	35.35 -1.17 0.00	29.32 -0.91 0.00	25.33 -0.65 0.00	21.77 -0.35 0.00
N.BELMOR_69_KV_BK1 55787	22.80 1.65 -0.02	20.71 1.41 -0.01	20.25 1.32 0.00	19.30 1.31 0.00	19.91 1.27 -0.01	22.94 1.40 -0.03	30.27 1.71 0.00	33.34 2.33 0.00	32.06 2.04 0.00	31.61 1.93 0.00	31.47 1.98 0.00	31.73 2.16 0.00	30.96 1.94 0.00	30.75 1.96 0.00	29.93 2.04 0.00	29.01 1.97 0.00	31.16 2.12 0.00	32.94 2.50 0.00	35.20 2.73 0.00	38.40 2.94 0.00	39.37 2.85 0.00	32.31 2.09 0.00	27.62 1.64 0.00	25.06 1.44 -1.49
N.E._GEN_SANDY PD 24062	22.01 0.89 0.00	20.10 0.81 0.00	19.72 0.79 0.00	18.78 0.79 0.00	19.38 0.75 0.00	22.24 0.73 0.00	33.00 1.31 -3.13	33.06 1.70 -0.34	30.70 1.23 0.55	30.98 1.30 0.00	30.68 1.18 0.00	30.78 1.21 0.00	30.12 1.10 0.00	29.74 0.95 0.00	28.87 0.98 0.00	28.06 1.03 0.00	30.20 1.16 0.00	32.00 1.55 0.00	34.29 1.82 0.00	37.41 1.95 0.00	38.31 1.79 0.00	31.70 1.48 0.00	26.79 0.81 0.00	22.77 0.64 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	22.29 1.16 0.00	20.25 0.96 0.00	19.83 0.91 0.00	18.88 0.90 0.00	19.47 0.84 0.00	22.43 0.92 0.00	29.87 1.31 0.00	32.81 1.80 0.00	31.40 1.38 0.00	31.07 1.39 0.00	30.88 1.39 0.00	30.96 1.39 0.00	30.41 1.39 0.00	30.12 1.32 0.00	29.26 1.37 0.00	28.33 1.30 0.00	30.41 1.36 0.00	32.12 1.67 0.00	34.25 1.79 0.00	37.34 1.88 0.00	38.31 1.79 0.00	31.49 1.27 0.00	27.05 1.07 0.00	23.06 0.93 0.00
N.QUEENS_27_KV_LOAD 356247	22.76 1.63 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.60 1.10 0.00	30.04 1.48 0.00	33.12 2.11 0.00	33.30 2.07 -1.21	34.01 2.05 -2.28	32.81 2.04 -1.28	33.63 2.04 -2.02	31.58 2.03 -0.54	31.18 1.93 -0.45	30.86 1.92 -1.04	31.21 1.87 -2.31	32.75 1.97 -1.73	32.94 2.34 -0.15	34.90 2.44 0.00	37.94 2.48 0.00	38.85 2.34 0.00	31.89 1.66 0.00	27.18 1.20 0.00	23.50 1.37 0.00
N.TROY___115KV_TB1 355778	21.67 0.55 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.49 0.00	29.50 0.94 0.00	32.19 1.18 0.00	30.80 0.78 0.00	30.45 0.77 0.00	30.26 0.77 0.00	30.34 0.77 0.00	29.74 0.73 0.00	29.43 0.63 0.00	28.54 0.64 0.00	27.68 0.65 0.00	29.77 0.73 0.00	31.48 1.04 0.00	33.61 1.14 0.00	36.73 1.28 0.00	37.72 1.21 0.00	31.01 0.79 0.00	26.53 0.55 0.00	22.57 0.44 0.00
NARROWS_GT1_1 24228	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_2 24229	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_3 24230	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_4 24231	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_5 24232	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_6 24233	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00



NARROWS_GT1_7 24234	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT1_8 24235	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_1 24236	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_2 24237	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_3 24238	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_4 24239	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_5 24240	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_6 24241	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_7 24242	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NARROWS_GT2_8 24243	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	21.69 0.57 0.00	19.85 0.56 0.00	19.49 0.57 0.00	18.56 0.58 0.00	19.17 0.54 0.00	22.07 0.56 0.00	29.73 1.17 0.00	32.28 1.27 0.00	30.95 0.93 0.00	30.54 0.86 0.00	30.26 0.77 0.00	30.31 0.74 0.00	29.77 0.75 0.00	29.49 0.69 0.00	28.54 0.64 0.00	27.68 0.65 0.00	29.80 0.76 0.00	31.45 1.00 0.00	33.67 1.20 0.00	36.73 1.28 0.00	37.76 1.24 0.00	31.04 0.82 0.00	26.58 0.60 0.00	22.61 0.49 0.00
NCHELSEA_115KV_TR2 355582	22.48 1.35 0.00	20.41 1.12 0.00	20.00 1.08 0.00	19.03 1.04 0.00	19.60 0.97 0.00	22.63 1.12 0.00	30.27 1.71 0.00	33.15 2.14 0.00	31.82 1.80 0.00	31.52 1.84 0.00	31.33 1.83 0.00	31.40 1.83 0.00	30.84 1.76 0.00	30.55 1.73 0.00	29.62 1.73 0.00	28.87 1.84 0.00	30.75 1.71 0.00	32.52 2.07 0.00	34.71 2.24 0.00	37.80 2.34 0.00	38.82 2.30 0.00	31.83 1.60 0.00	27.26 1.27 0.00	23.23 1.11 0.00
NEG CAPITAL___MECHNVIL 23645	21.88 0.76 0.00	19.96 0.67 0.00	19.60 0.68 0.00	18.69 0.70 0.00	19.30 0.67 0.00	22.24 0.73 0.00	29.84 1.29 0.00	32.63 1.61 0.00	31.28 1.26 0.00	30.96 1.28 0.00	30.76 1.27 0.00	30.84 1.27 0.00	30.20 1.19 0.00	29.95 1.15 0.00	28.98 1.09 0.00	28.12 1.08 0.00	30.23 1.19 0.00	31.97 1.52 0.00	34.19 1.72 0.00	37.26 1.81 0.00	38.27 1.75 0.00	31.67 1.45 0.00	26.89 0.91 0.00	22.83 0.71 0.00
NEG CENTRAL_HIGH_ACRES 23767	20.24 -0.89 0.00	18.58 -0.71 0.00	18.28 -0.64 0.00	17.26 -0.72 0.00	18.06 -0.58 0.00	20.99 -0.52 0.00	27.53 -1.03 0.00	30.08 -0.93 0.00	29.00 -1.02 0.00	28.76 -0.92 0.00	28.46 -1.03 0.00	28.41 -1.15 0.00	27.97 -1.04 0.00	27.90 -0.89 0.00	26.95 -0.95 0.00	25.98 -1.05 0.00	27.79 -1.25 0.00	29.38 -1.07 0.00	31.11 -1.36 0.00	34.18 -1.27 0.00	35.35 -1.17 0.00	29.23 -1.00 0.00	25.15 -0.83 0.00	21.46 -0.66 0.00
NEG CENTRAL___DRP 24199	20.96 -0.17 0.00	19.21 -0.08 0.00	18.88 -0.04 0.00	17.86 -0.13 0.00	18.65 0.02 0.00	21.66 0.15 0.00	28.44 -0.11 0.00	31.23 0.22 0.00	29.99 -0.03 0.00	29.56 -0.12 0.00	29.35 -0.15 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.71 -0.09 0.00	27.64 -0.25 0.00	26.74 -0.30 0.00	28.69 -0.35 0.00	30.45 0.00 0.00	32.50 0.03 0.00	35.53 0.07 0.00	36.74 0.22 0.00	30.28 0.06 0.00	26.06 0.08 0.00	22.15 0.02 0.00



NEG CENTRAL___INDECK 23768	21.19 0.06 0.00	19.48 0.19 0.00	19.21 0.28 0.00	18.11 0.13 0.00	19.01 0.37 0.00	22.20 0.69 0.00	28.96 0.40 0.00	31.73 0.71 0.00	30.29 0.27 0.00	29.83 0.15 0.00	29.38 -0.12 0.00	29.15 -0.41 0.00	28.72 -0.29 0.00	28.71 -0.09 0.00	27.78 -0.11 0.00	26.79 -0.24 0.00	28.72 -0.32 0.00	30.75 0.30 0.00	32.66 0.20 0.00	36.17 0.71 0.00	37.47 0.95 0.00	30.95 0.72 0.00	26.66 0.67 0.00	22.66 0.53 0.00
NEG CENTRAL___SENECA 23627	21.00 -0.13 0.00	19.27 -0.02 0.00	18.96 0.04 0.00	17.91 -0.07 0.00	18.75 0.11 0.00	21.81 0.30 0.00	28.58 0.03 0.00	31.42 0.40 0.00	30.11 0.09 0.00	29.65 -0.03 0.00	29.44 -0.06 0.00	29.42 -0.15 0.00	28.87 -0.15 0.00	28.77 -0.03 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.51 0.06 0.00	32.57 0.10 0.00	35.60 0.14 0.00	36.85 0.33 0.00	30.38 0.15 0.00	26.19 0.21 0.00	22.24 0.11 0.00
NEG CENTRAL___STATE_STREET 24147	21.00 -0.13 0.00	19.23 -0.06 0.00	18.88 -0.04 0.00	17.88 -0.11 0.00	18.62 -0.02 0.00	21.62 0.11 0.00	28.41 -0.14 0.00	31.20 0.19 0.00	30.02 0.00 0.00	29.62 -0.06 0.00	29.44 -0.06 0.00	29.48 -0.09 0.00	28.93 -0.09 0.00	28.80 0.00 0.00	27.78 -0.11 0.00	26.84 -0.19 0.00	28.81 -0.23 0.00	30.54 0.09 0.00	32.60 0.13 0.00	35.63 0.18 0.00	36.85 0.33 0.00	30.31 0.09 0.00	26.06 0.08 0.00	22.13 0.00 0.00
NEG MILLWOOD___DRP 24198	22.52 1.39 0.00	20.47 1.18 0.00	20.04 1.12 0.00	19.08 1.10 0.00	19.62 0.99 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.70 2.02 0.00	31.56 2.06 0.00	31.64 2.07 0.00	31.10 2.09 0.00	30.78 1.99 0.00	29.82 1.92 0.00	28.93 1.89 0.00	30.90 1.86 0.00	32.76 2.31 0.00	34.87 2.40 0.00	37.94 2.48 0.00	39.07 2.56 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.32 1.19 0.00
NEG NORTH_FLCN_SEA 23793	20.62 -0.51 0.00	18.85 -0.44 0.00	18.51 -0.42 0.00	17.63 -0.36 0.00	18.26 -0.37 0.00	21.01 -0.49 0.00	27.87 -0.69 0.00	29.90 -1.12 0.00	29.48 -0.54 0.00	29.18 -0.50 0.00	29.20 -0.29 0.00	29.27 -0.30 0.00	28.72 -0.29 0.00	28.68 -0.12 0.00	28.03 0.14 0.00	27.41 0.38 0.00	29.62 0.58 0.00	30.78 0.33 0.00	32.79 0.32 0.00	35.88 0.43 0.00	36.96 0.44 0.00	30.89 0.66 0.00	26.37 0.39 0.00	22.39 0.27 0.00
NEG NORTH_KES_CHATEGAY 23792	20.55 -0.57 0.00	18.79 -0.50 0.00	18.43 -0.49 0.00	17.57 -0.41 0.00	18.21 -0.43 0.00	20.99 -0.52 0.00	27.87 -0.69 0.00	29.93 -1.09 0.00	29.45 -0.57 0.00	29.15 -0.53 0.00	29.11 -0.38 0.00	29.18 -0.38 0.00	28.61 -0.41 0.00	28.51 -0.29 0.00	27.81 -0.08 0.00	27.09 0.05 0.00	29.22 0.17 0.00	30.30 -0.15 0.00	32.24 -0.23 0.00	35.28 -0.18 0.00	36.37 -0.15 0.00	30.38 0.15 0.00	26.01 0.03 0.00	22.06 -0.07 0.00
NEG NORTH___ALICE_FALLS 23915	20.64 -0.49 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.64 -0.34 0.00	18.30 -0.34 0.00	21.08 -0.43 0.00	27.98 -0.57 0.00	30.05 -0.96 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.74 -0.06 0.00	28.09 0.20 0.00	27.47 0.43 0.00	29.65 0.61 0.00	30.84 0.40 0.00	32.83 0.36 0.00	35.92 0.46 0.00	37.03 0.51 0.00	30.92 0.70 0.00	26.40 0.42 0.00	22.39 0.27 0.00
NEG NORTH___LWR_SARANAC 23913	20.64 -0.49 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.64 -0.34 0.00	18.30 -0.34 0.00	21.08 -0.43 0.00	27.98 -0.57 0.00	30.05 -0.96 0.00	29.60 -0.42 0.00	29.26 -0.42 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.74 -0.06 0.00	28.09 0.20 0.00	27.47 0.43 0.00	29.65 0.61 0.00	30.84 0.40 0.00	32.83 0.36 0.00	35.92 0.46 0.00	37.03 0.51 0.00	30.92 0.70 0.00	26.40 0.42 0.00	22.39 0.27 0.00
NEG NORTH___PLATTSBURG 23628	20.64 -0.49 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.64 -0.34 0.00	18.30 -0.33 0.00	21.08 -0.43 0.00	26.56 -2.00 0.00	27.42 -3.60 0.00	26.99 -3.03 0.00	26.59 -3.09 0.00	26.75 -2.74 0.00	26.85 -2.72 0.00	26.32 -2.70 0.00	26.26 -2.53 0.00	25.69 -2.20 0.00	25.14 -1.89 0.00	27.15 -1.89 0.00	28.16 -2.28 0.00	30.00 -2.47 0.00	32.83 -2.62 0.00	33.82 -2.70 0.00	28.05 -2.18 0.00	25.05 -0.93 0.00	22.39 0.27 0.00
NEG WEST_LEA_LOCKPORT 23791	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.19 -0.45 0.00	21.16 -0.34 0.00	27.07 -1.48 0.00	29.40 -1.61 0.00	28.22 -1.80 0.00	27.63 -2.05 0.00	27.58 -1.92 0.00	27.56 -2.01 0.00	27.10 -1.91 0.00	27.13 -1.67 0.00	26.00 -1.90 0.00	25.22 -1.81 0.00	26.92 -2.12 0.00	28.68 -1.77 0.00	30.88 -1.59 0.00	33.61 -1.84 0.00	34.66 -1.86 0.00	28.83 -1.39 0.00	24.92 -1.07 0.00	21.44 -0.69 0.00
NEG WEST___LANCASTR 23811	20.58 -0.55 0.00	18.88 -0.41 0.00	18.68 -0.25 0.00	17.59 -0.40 0.00	18.54 -0.09 0.00	21.59 0.09 0.00	27.73 -0.83 0.00	30.39 -0.62 0.00	29.06 -0.96 0.00	28.46 -1.22 0.00	28.38 -1.12 0.00	28.33 -1.24 0.00	27.85 -1.16 0.00	27.87 -0.92 0.00	26.72 -1.17 0.00	25.90 -1.14 0.00	27.70 -1.34 0.00	29.57 -0.88 0.00	31.72 -0.75 0.00	34.64 -0.82 0.00	35.79 -0.73 0.00	29.62 -0.60 0.00	25.72 -0.26 0.00	21.86 -0.27 0.00
NEG_PENN_ALLEGHNY 23528	21.19 0.06 0.00	19.39 0.10 0.00	19.06 0.13 0.00	18.04 0.05 0.00	18.80 0.17 0.00	21.81 0.30 0.00	28.70 0.14 0.00	31.57 0.56 0.00	30.26 0.24 0.00	29.98 0.30 0.00	29.64 0.15 0.00	29.66 0.09 0.00	29.16 0.15 0.00	29.02 0.23 0.00	28.01 0.11 0.00	27.06 0.03 0.00	29.04 0.00 0.00	30.78 0.34 0.00	32.73 0.26 0.00	35.88 0.43 0.00	37.10 0.58 0.00	30.65 0.42 0.00	26.32 0.34 0.00	22.28 0.16 0.00
NEG___GEN_MONROE 24207	20.68 -0.44 0.00	18.98 -0.31 0.00	18.69 -0.23 0.00	17.61 -0.38 0.00	18.50 -0.13 0.00	21.53 0.02 0.00	27.98 -0.57 0.00	30.52 -0.50 0.00	29.42 -0.60 0.00	28.82 -0.86 0.00	28.73 -0.77 0.00	28.71 -0.86 0.00	28.11 -0.90 0.00	28.10 -0.69 0.00	27.06 -0.84 0.00	26.20 -0.84 0.00	28.02 -1.02 0.00	29.75 -0.70 0.00	31.85 -0.62 0.00	34.78 -0.67 0.00	35.90 -0.62 0.00	29.71 -0.51 0.00	25.70 -0.29 0.00	21.97 -0.15 0.00
NEPA___ENERGY 23901	20.79 -0.34 0.00	19.10 -0.19 0.00	18.88 -0.04 0.00	17.77 -0.22 0.00	18.75 0.11 0.00	21.81 0.30 0.00	27.98 -0.57 0.00	30.67 -0.34 0.00	29.30 -0.72 0.00	28.67 -1.01 0.00	28.55 -0.94 0.00	28.50 -1.06 0.00	28.06 -0.96 0.00	28.05 -0.75 0.00	26.92 -0.98 0.00	26.09 -0.95 0.00	27.94 -1.10 0.00	29.81 -0.64 0.00	31.98 -0.49 0.00	35.00 -0.46 0.00	36.12 -0.40 0.00	29.92 -0.30 0.00	26.01 0.03 0.00	22.08 -0.04 0.00
NEVERSINK___HYD 23608	22.69 1.56 0.00	20.56 1.27 0.00	20.13 1.21 0.00	19.12 1.13 0.00	19.73 1.10 0.00	22.84 1.33 0.00	30.61 2.06 0.00	33.50 2.48 0.00	32.21 2.19 0.00	31.97 2.29 0.00	31.65 2.15 0.00	31.70 2.13 0.00	31.16 2.15 0.00	30.90 2.10 0.00	29.90 2.01 0.00	28.92 1.89 0.00	31.10 2.06 0.00	32.88 2.44 0.00	35.16 2.69 0.00	38.22 2.77 0.00	39.26 2.74 0.00	32.40 2.18 0.00	27.57 1.59 0.00	23.45 1.33 0.00



NEWKRMKL_115KV_TB1 55635	21.36 0.23 0.00	19.56 0.27 0.00	19.19 0.26 0.00	18.29 0.31 0.00	18.89 0.26 0.00	21.68 0.17 0.00	29.04 0.49 0.00	31.70 0.68 0.00	30.41 0.39 0.00	30.07 0.39 0.00	29.85 0.35 0.00	29.95 0.38 0.00	29.42 0.41 0.00	29.14 0.35 0.00	28.26 0.36 0.00	27.38 0.35 0.00	29.42 0.38 0.00	31.00 0.55 0.00	33.05 0.58 0.00	36.10 0.64 0.00	37.07 0.55 0.00	30.53 0.30 0.00	26.14 0.16 0.00	22.26 0.13 0.00
NEWTON___FALLS_HYD 23847	20.39 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.81 -0.74 0.00	30.18 -0.84 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.70 -0.80 0.00	28.77 -0.80 0.00	28.17 -0.84 0.00	27.96 -0.84 0.00	27.09 -0.81 0.00	26.36 -0.68 0.00	28.40 -0.64 0.00	29.66 -0.79 0.00	31.66 -0.81 0.00	34.68 -0.78 0.00	35.90 -0.62 0.00	29.80 -0.42 0.00	25.52 -0.47 0.00	21.68 -0.44 0.00
NGRID_A1_DSASP 323792	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.59 -1.97 0.00	28.75 -2.26 0.00	27.62 -2.40 0.00	27.36 -2.32 0.00	26.99 -2.51 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.52 -2.28 0.00	25.64 -2.26 0.00	24.71 -2.33 0.00	26.34 -2.70 0.00	28.04 -2.41 0.00	29.61 -2.86 0.00	32.69 -2.77 0.00	33.82 -2.70 0.00	28.23 -2.00 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
NGRID_A2_DSASP 323793	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.59 -1.97 0.00	28.75 -2.26 0.00	27.62 -2.40 0.00	27.36 -2.32 0.00	26.99 -2.51 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.52 -2.28 0.00	25.64 -2.26 0.00	24.71 -2.33 0.00	26.34 -2.70 0.00	28.04 -2.41 0.00	29.61 -2.86 0.00	32.69 -2.77 0.00	33.82 -2.70 0.00	28.23 -2.00 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
NGRID_A4_DSASP 323807	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.59 -1.97 0.00	28.75 -2.26 0.00	27.62 -2.40 0.00	27.36 -2.32 0.00	26.99 -2.51 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.52 -2.28 0.00	25.64 -2.26 0.00	24.71 -2.33 0.00	26.34 -2.70 0.00	28.04 -2.41 0.00	29.61 -2.86 0.00	32.69 -2.77 0.00	33.82 -2.70 0.00	28.23 -2.00 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
NIAGARA_115E_LBMP 323715	19.71 -1.42 0.00	18.13 -1.16 0.00	17.96 -0.96 0.00	16.87 -1.12 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.56 -2.00 0.00	28.72 -2.29 0.00	27.59 -2.43 0.00	27.33 -2.35 0.00	26.93 -2.57 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.49 -2.30 0.00	25.61 -2.29 0.00	24.68 -2.35 0.00	26.31 -2.73 0.00	28.04 -2.41 0.00	29.58 -2.89 0.00	32.66 -2.80 0.00	33.78 -2.74 0.00	28.20 -2.02 0.00	24.40 -1.59 0.00	21.02 -1.11 0.00
NIAGARA_115W_LBMP 323714	19.63 -1.50 0.00	18.06 -1.23 0.00	17.88 -1.04 0.00	16.80 -1.19 0.00	17.76 -0.88 0.00	20.65 -0.86 0.00	26.44 -2.11 0.00	28.59 -2.42 0.00	27.47 -2.55 0.00	27.22 -2.46 0.00	26.84 -2.65 0.00	26.70 -2.87 0.00	26.34 -2.67 0.00	26.38 -2.42 0.00	25.50 -2.40 0.00	24.57 -2.46 0.00	26.20 -2.84 0.00	27.89 -2.56 0.00	29.45 -3.02 0.00	32.51 -2.94 0.00	33.63 -2.89 0.00	28.08 -2.15 0.00	24.27 -1.72 0.00	20.91 -1.22 0.00
NIAGARA_230_LBMP 323716	20.07 -1.06 0.00	18.46 -0.83 0.00	18.28 -0.64 0.00	17.18 -0.81 0.00	18.15 -0.48 0.00	21.08 -0.43 0.00	27.01 -1.54 0.00	29.21 -1.80 0.00	28.07 -1.95 0.00	27.81 -1.87 0.00	27.40 -2.09 0.00	27.26 -2.31 0.00	26.92 -2.09 0.00	26.95 -1.84 0.00	26.05 -1.84 0.00	25.11 -1.92 0.00	26.78 -2.27 0.00	28.50 -1.95 0.00	30.07 -2.40 0.00	33.19 -2.27 0.00	34.33 -2.19 0.00	28.68 -1.54 0.00	24.79 -1.19 0.00	21.37 -0.75 0.00
NIAGARA___115KV_198_GIBSON 55903	19.62 -1.50 0.00	18.06 -1.23 0.00	17.88 -1.04 0.00	16.78 -1.20 0.00	17.76 -0.88 0.00	20.65 -0.86 0.00	26.39 -2.17 0.00	28.59 -2.42 0.00	27.50 -2.52 0.00	26.92 -2.76 0.00	26.84 -2.65 0.00	26.82 -2.75 0.00	26.37 -2.64 0.00	26.41 -2.39 0.00	25.30 -2.59 0.00	24.55 -2.49 0.00	26.19 -2.85 0.00	27.92 -2.53 0.00	30.03 -2.44 0.00	32.66 -2.80 0.00	33.71 -2.81 0.00	28.08 -2.15 0.00	24.27 -1.71 0.00	20.93 -1.19 0.00
NIAGARA____ 23760	20.07 -1.06 0.00	18.46 -0.83 0.00	18.28 -0.64 0.00	17.18 -0.81 0.00	18.15 -0.48 0.00	21.08 -0.43 0.00	27.01 -1.54 0.00	29.21 -1.80 0.00	28.07 -1.95 0.00	27.81 -1.87 0.00	27.40 -2.09 0.00	27.26 -2.31 0.00	26.92 -2.09 0.00	26.95 -1.84 0.00	26.05 -1.84 0.00	25.11 -1.92 0.00	26.78 -2.27 0.00	28.50 -1.95 0.00	30.07 -2.40 0.00	33.19 -2.27 0.00	34.33 -2.19 0.00	28.68 -1.54 0.00	24.79 -1.19 0.00	21.37 -0.75 0.00
NINE_MILE_1 23575	20.49 -0.63 0.00	18.73 -0.56 0.00	18.39 -0.53 0.00	17.45 -0.54 0.00	18.13 -0.50 0.00	20.97 -0.54 0.00	27.70 -0.86 0.00	30.24 -0.77 0.00	29.18 -0.84 0.00	28.88 -0.80 0.00	28.64 -0.86 0.00	28.68 -0.89 0.00	28.17 -0.84 0.00	27.99 -0.81 0.00	27.08 -0.81 0.00	26.20 -0.84 0.00	28.11 -0.93 0.00	29.69 -0.76 0.00	31.59 -0.88 0.00	34.57 -0.89 0.00	35.68 -0.84 0.00	29.50 -0.73 0.00	25.31 -0.68 0.00	21.53 -0.60 0.00
NINE_MILE_2 23744	20.49 -0.63 0.00	18.75 -0.54 0.00	18.39 -0.53 0.00	17.46 -0.52 0.00	18.13 -0.50 0.00	20.97 -0.54 0.00	27.70 -0.86 0.00	30.24 -0.77 0.00	29.18 -0.84 0.00	28.88 -0.80 0.00	28.64 -0.86 0.00	28.71 -0.86 0.00	28.17 -0.84 0.00	27.99 -0.81 0.00	27.08 -0.81 0.00	26.20 -0.84 0.00	28.11 -0.93 0.00	29.69 -0.76 0.00	31.59 -0.88 0.00	34.57 -0.89 0.00	35.68 -0.84 0.00	29.50 -0.73 0.00	25.31 -0.68 0.00	21.53 -0.60 0.00
NM_CAPITAL___DRP 24208	21.36 0.23 0.00	19.56 0.27 0.00	19.19 0.26 0.00	18.29 0.31 0.00	18.89 0.26 0.00	21.68 0.17 0.00	29.04 0.49 0.00	31.70 0.68 0.00	30.41 0.39 0.00	30.07 0.39 0.00	29.85 0.35 0.00	29.92 0.35 0.00	29.39 0.38 0.00	29.11 0.32 0.00	28.23 0.33 0.00	27.38 0.35 0.00	29.42 0.38 0.00	31.00 0.55 0.00	33.05 0.58 0.00	36.10 0.64 0.00	37.07 0.55 0.00	30.50 0.27 0.00	26.14 0.16 0.00	22.26 0.13 0.00
NM_CENTRAL___DRP 24181	20.85 -0.27 0.00	19.08 -0.21 0.00	18.73 -0.19 0.00	17.75 -0.23 0.00	18.47 -0.17 0.00	21.38 -0.13 0.00	28.21 -0.34 0.00	30.92 -0.09 0.00	29.81 -0.21 0.00	29.47 -0.21 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.65 -0.14 0.00	27.64 -0.25 0.00	26.74 -0.30 0.00	28.69 -0.35 0.00	30.30 -0.15 0.00	32.34 -0.13 0.00	35.32 -0.14 0.00	36.48 -0.04 0.00	30.04 -0.18 0.00	25.80 -0.18 0.00	21.95 -0.18 0.00
NM_FRONTIER___DRP 24179	19.62 -1.50 0.00	18.06 -1.23 0.00	17.88 -1.04 0.00	16.78 -1.20 0.00	17.76 -0.88 0.00	20.65 -0.86 0.00	26.39 -2.17 0.00	28.59 -2.42 0.00	27.50 -2.52 0.00	26.92 -2.76 0.00	26.84 -2.65 0.00	26.82 -2.75 0.00	26.37 -2.64 0.00	26.41 -2.39 0.00	25.30 -2.59 0.00	24.55 -2.49 0.00	26.19 -2.85 0.00	27.92 -2.53 0.00	30.03 -2.44 0.00	32.66 -2.80 0.00	33.71 -2.81 0.00	28.08 -2.15 0.00	24.27 -1.71 0.00	20.93 -1.19 0.00



NM_ST_REGIS___HYD 24053	20.26 -0.87 0.00	18.50 -0.79 0.00	18.13 -0.79 0.00	17.27 -0.72 0.00	17.91 -0.73 0.00	20.69 -0.82 0.00	27.56 -1.00 0.00	29.68 -1.33 0.00	29.09 -0.93 0.00	28.76 -0.92 0.00	28.67 -0.83 0.00	28.74 -0.83 0.00	28.17 -0.84 0.00	27.96 -0.84 0.00	27.20 -0.70 0.00	26.44 -0.59 0.00	28.46 -0.58 0.00	29.47 -0.97 0.00	31.37 -1.10 0.00	34.32 -1.13 0.00	35.46 -1.06 0.00	29.62 -0.60 0.00	25.36 -0.62 0.00	21.57 -0.55 0.00
NORTHPORT___1 23551	22.67 1.52 -0.03	20.62 1.31 -0.01	20.20 1.27 -0.01	19.22 1.22 -0.01	19.83 1.17 -0.02	22.86 1.31 -0.04	29.93 1.46 0.08	33.00 2.01 0.03	31.91 1.89 0.00	31.52 1.84 0.00	31.30 1.80 0.00	31.61 2.04 -0.01	30.81 1.80 0.00	30.64 1.84 0.00	29.74 1.84 -0.01	28.88 1.84 -0.01	31.05 2.00 -0.01	32.61 2.19 0.04	34.89 2.50 0.07	37.93 2.59 0.11	38.94 2.52 0.10	32.30 2.11 0.04	27.25 1.30 0.03	24.95 1.33 -1.50
NORTHPORT___2 23552	22.67 1.52 -0.03	20.62 1.31 -0.01	20.20 1.27 -0.01	19.22 1.22 -0.01	19.83 1.17 -0.02	22.86 1.31 -0.04	30.01 1.46 0.00	33.03 2.01 0.00	31.91 1.89 0.00	31.52 1.84 0.00	31.30 1.80 0.00	31.61 2.04 -0.01	30.81 1.80 0.00	30.64 1.84 0.00	29.74 1.84 -0.01	28.88 1.84 -0.01	31.05 2.00 -0.01	32.65 2.19 -0.01	34.98 2.50 -0.01	38.05 2.59 -0.01	39.04 2.52 -0.01	32.35 2.11 -0.01	27.29 1.30 -0.01	24.95 1.33 -1.50
NORTHPORT___3 23553	22.99 1.84 -0.03	20.90 1.60 -0.01	20.40 1.48 0.00	19.51 1.51 -0.01	20.13 1.47 -0.03	23.18 1.61 -0.05	30.02 1.91 0.45	33.44 2.61 0.17	31.91 1.89 0.00	31.58 1.90 0.00	31.39 1.89 0.00	31.68 2.10 -0.01	30.93 1.91 0.00	30.73 1.93 0.00	29.83 1.92 -0.01	28.96 1.92 -0.01	31.13 2.09 0.00	32.98 2.77 0.24	35.10 3.09 0.45	38.02 3.23 0.66	39.12 3.18 0.58	32.66 2.69 0.26	27.59 1.82 0.21	25.25 1.61 -1.51
NORTHPORT___4 23650	22.99 1.84 -0.03	20.90 1.60 -0.01	20.40 1.48 0.00	19.51 1.51 -0.01	20.13 1.47 -0.03	23.18 1.61 -0.05	30.02 1.91 0.45	33.44 2.61 0.17	31.91 1.89 0.00	31.58 1.90 0.00	31.39 1.89 0.00	31.68 2.10 -0.01	30.93 1.91 0.00	30.73 1.93 0.00	29.83 1.92 -0.01	28.96 1.92 -0.01	31.13 2.09 0.00	32.98 2.77 0.24	35.10 3.09 0.45	38.02 3.23 0.66	39.12 3.18 0.58	32.66 2.69 0.26	27.59 1.82 0.21	25.25 1.61 -1.51
NORTHPORT___IC 23718	22.67 1.52 -0.03	20.61 1.31 -0.01	20.19 1.27 0.00	19.21 1.22 0.00	19.81 1.17 -0.01	22.86 1.31 -0.04	29.87 1.31 0.00	32.87 1.86 0.00	31.76 1.74 0.00	31.25 1.57 0.00	31.12 1.62 0.00	31.40 1.83 0.00	30.61 1.60 0.00	30.41 1.61 0.00	29.60 1.70 0.00	28.71 1.68 0.00	30.87 1.83 0.00	32.43 1.98 0.00	34.64 2.18 0.00	37.80 2.34 0.00	38.78 2.26 0.00	31.80 1.57 0.00	27.18 1.20 0.00	24.95 1.33 -1.50
NORTH___COUNTRY_ESR 323785	20.51 -0.61 0.00	18.73 -0.56 0.00	18.39 -0.53 0.00	17.52 -0.47 0.00	18.17 -0.47 0.00	20.93 -0.58 0.00	27.04 -1.51 0.00	28.44 -2.57 0.00	27.98 -2.04 0.00	27.60 -2.08 0.00	27.70 -1.80 0.00	27.79 -1.77 0.00	27.24 -1.77 0.00	27.12 -1.67 0.00	26.44 -1.45 0.00	25.79 -1.24 0.00	27.76 -1.28 0.00	28.77 -1.67 0.00	30.65 -1.82 0.00	33.51 -1.95 0.00	34.51 -2.01 0.00	28.62 -1.60 0.00	25.20 -0.78 0.00	21.99 -0.13 0.00
NPX_GEN_1385_PROXY 323591	22.61 1.46 -0.03	20.62 1.31 -0.01	20.20 1.27 -0.01	19.22 1.22 -0.01	19.83 1.17 -0.02	22.94 1.40 -0.04	31.59 1.86 -1.18	32.94 2.14 0.21	31.91 1.89 0.00	31.43 1.75 0.00	31.06 1.56 0.00	31.35 1.77 -0.01	30.55 1.54 0.00	30.38 1.58 0.00	29.41 1.51 -0.01	28.66 1.62 -0.01	30.91 1.86 -0.01	32.62 2.16 -0.01	35.11 2.63 -0.01	38.20 2.73 -0.01	39.16 2.63 -0.01	32.47 2.24 -0.01	27.29 1.30 -0.01	24.88 1.26 -1.50
NPX_GEN_CSC 323557	23.53 1.69 -0.71	20.98 1.47 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.76 1.46 -1.79	39.23 1.86 -8.82	36.62 2.48 -3.12	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.94 2.37 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.54 2.38 -0.12	37.75 2.62 -4.68	44.21 2.99 -8.76	51.30 3.12 -12.72	50.71 3.07 -11.12	37.86 2.57 -5.07	31.85 1.66 -4.20	26.64 1.46 -3.06
NSINS_S_GLNS_FALLS 23858	21.69 0.57 0.00	19.77 0.48 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.07 0.56 0.00	29.67 1.11 0.00	32.41 1.40 0.00	31.07 1.05 0.00	30.66 0.98 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.00 0.99 0.00	29.77 0.98 0.00	28.79 0.89 0.00	27.87 0.84 0.00	30.00 0.96 0.00	31.79 1.34 0.00	33.93 1.46 0.00	36.98 1.52 0.00	38.09 1.57 0.00	31.31 1.09 0.00	26.71 0.73 0.00	22.70 0.58 0.00
NUCOR_STEEL___DRP 24197	21.06 -0.06 0.00	19.29 0.00 0.00	18.94 0.02 0.00	17.93 -0.05 0.00	18.67 0.04 0.00	21.66 0.15 0.00	28.47 -0.09 0.00	31.23 0.22 0.00	30.05 0.03 0.00	29.65 -0.03 0.00	29.47 -0.03 0.00	29.51 -0.06 0.00	28.93 -0.09 0.00	28.80 0.00 0.00	27.78 -0.11 0.00	26.84 -0.19 0.00	28.81 -0.23 0.00	30.54 0.09 0.00	32.60 0.13 0.00	35.67 0.21 0.00	36.88 0.37 0.00	30.34 0.12 0.00	26.09 0.10 0.00	22.19 0.07 0.00
NUMBER_THREE_WT_PWR 323818	20.85 -0.28 0.00	19.06 -0.23 0.00	18.64 -0.28 0.00	17.70 -0.29 0.00	18.35 -0.28 0.00	21.31 -0.19 0.00	28.41 -0.14 0.00	31.01 0.00 0.00	29.75 -0.27 0.00	29.50 -0.18 0.00	29.20 -0.29 0.00	29.24 -0.32 0.00	28.64 -0.38 0.00	28.42 -0.38 0.00	27.45 -0.45 0.00	26.87 -0.16 0.00	28.95 -0.09 0.00	30.51 0.06 0.00	32.60 0.13 0.00	35.74 0.28 0.00	36.99 0.47 0.00	30.59 0.36 0.00	26.14 0.16 0.00	22.24 0.11 0.00
NYISO_LBMP_REFERENCE 24008	21.12 0.00 0.00	19.29 0.00 0.00	18.92 0.00 0.00	17.98 0.00 0.00	18.63 0.00 0.00	21.51 0.00 0.00	28.56 0.00 0.00	31.01 0.00 0.00	30.02 0.00 0.00	29.68 0.00 0.00	29.50 0.00 0.00	29.57 0.00 0.00	29.01 0.00 0.00	28.80 0.00 0.00	27.89 0.00 0.00	27.03 0.00 0.00	29.04 0.00 0.00	30.45 0.00 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.52 0.00 0.00	30.22 0.00 0.00	25.98 0.00 0.00	22.13 0.00 0.00
NYPA_BRENTWD____GT 24164	23.03 1.82 -0.09	20.88 1.56 -0.03	20.43 1.49 -0.02	19.48 1.44 -0.06	20.17 1.42 -0.13	23.29 1.59 -0.19	31.13 1.88 -0.69	33.85 2.57 -0.27	32.39 2.37 0.00	32.00 2.32 0.00	31.83 2.33 0.00	32.15 2.57 -0.01	31.30 2.29 0.00	31.13 2.33 0.00	30.25 2.34 -0.01	29.37 2.33 -0.01	31.58 2.53 -0.02	33.60 2.77 -0.38	36.32 3.15 -0.71	39.81 3.33 -1.02	40.70 3.29 -0.89	33.39 2.75 -0.41	28.12 1.79 -0.34	25.39 1.64 -1.63
NYPA_GOWANUS____GT5 24156	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00



NYPA_GOWANUS____GT6 24157	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.36 1.80 0.00	33.50 2.48 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.99 2.21 -1.29	33.81 2.22 -2.03	31.77 2.20 -0.55	31.39 2.13 -0.46	31.01 2.06 -1.05	31.38 2.03 -2.32	32.96 2.18 -1.74	33.25 2.65 -0.16	35.36 2.89 0.00	38.47 3.01 0.00	39.37 2.85 0.00	32.70 2.48 0.00	27.60 1.61 0.00	23.59 1.46 0.00
NYPA_HARLEM__RVR__GT1 24160	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.09 1.54 0.01	33.24 2.23 0.01	34.46 2.16 -2.28	36.18 2.23 -4.28	33.99 2.09 -2.40	35.52 2.16 -3.79	32.12 2.09 -1.02	31.63 1.99 -0.85	31.81 1.95 -1.96	33.29 1.92 -4.34	34.36 2.06 -3.25	32.93 2.47 -0.02	35.12 2.66 0.01	38.14 2.69 0.01	39.03 2.52 0.01	32.36 2.15 0.01	27.30 1.32 0.01	23.52 1.39 0.00
NYPA_HARLEM__RVR__GT2 24161	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.09 1.54 0.01	33.24 2.23 0.01	34.46 2.16 -2.28	36.18 2.23 -4.28	33.99 2.09 -2.40	35.52 2.16 -3.79	32.12 2.09 -1.02	31.63 1.99 -0.85	31.81 1.95 -1.96	33.29 1.92 -4.34	34.36 2.06 -3.25	32.93 2.47 -0.02	35.12 2.66 0.01	38.14 2.69 0.01	39.03 2.52 0.01	32.36 2.15 0.01	27.30 1.32 0.01	23.52 1.39 0.00
NYPA_KENT____GT 24152	22.74 1.60 -0.01	20.60 1.31 0.00	20.13 1.21 0.00	19.21 1.22 0.00	19.75 1.12 0.00	22.65 1.14 0.00	30.33 1.77 0.00	33.46 2.45 0.00	33.46 2.22 -1.22	34.25 2.29 -2.29	32.96 2.18 -1.29	33.81 2.22 -2.03	31.74 2.18 -0.55	31.33 2.07 -0.46	30.98 2.04 -1.05	31.35 2.00 -2.32	32.93 2.15 -1.74	33.19 2.59 -0.16	35.33 2.86 0.00	38.44 2.98 0.00	39.33 2.81 0.00	32.64 2.42 0.00	27.52 1.53 0.00	23.54 1.42 0.00
NYPA_POUCH1____GT 24155	22.88 1.75 -0.01	20.74 1.45 0.00	20.25 1.32 0.00	19.32 1.33 0.00	19.84 1.21 0.00	22.71 1.20 0.00	30.41 1.86 0.00	33.43 2.42 0.00	33.34 2.10 -1.22	34.13 2.17 -2.29	32.93 2.15 -1.29	33.70 2.10 -2.03	31.68 2.12 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.87 2.09 -1.74	33.19 2.59 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.26 2.74 0.00	32.73 2.51 0.00	27.65 1.66 0.00	23.65 1.53 0.00
NYPA_VERNON____GT2 24162	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.22 2.25 -2.29	32.93 2.15 -1.29	33.78 2.19 -2.03	31.71 2.15 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.90 2.12 -1.74	33.13 2.53 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.46 1.48 0.00	23.48 1.35 0.00
NYPA_VERNON____GT3 24163	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.22 2.25 -2.29	32.93 2.15 -1.29	33.78 2.19 -2.03	31.71 2.15 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.90 2.12 -1.74	33.13 2.53 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.46 1.48 0.00	23.48 1.35 0.00
NYPA__ASTORIA_CC1 323568	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.40 2.39 0.00	33.40 2.16 -1.22	34.19 2.23 -2.29	32.91 2.12 -1.29	33.75 2.16 -2.03	31.65 2.09 -0.55	31.27 2.02 -0.46	30.93 1.98 -1.05	31.30 1.95 -2.32	32.87 2.09 -1.74	33.10 2.50 -0.16	35.23 2.76 0.00	38.33 2.87 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.44 1.45 0.00	23.48 1.35 0.00
NYPA__ASTORIA_CC2 323569	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.40 2.39 0.00	33.40 2.16 -1.22	34.19 2.23 -2.29	32.91 2.12 -1.29	33.75 2.16 -2.03	31.65 2.09 -0.55	31.27 2.02 -0.46	30.93 1.98 -1.05	31.30 1.95 -2.32	32.87 2.09 -1.74	33.10 2.50 -0.16	35.23 2.76 0.00	38.33 2.87 0.00	39.22 2.70 0.00	32.52 2.30 0.00	27.44 1.45 0.00	23.48 1.35 0.00
NYPA__HOLTSVILL 23794	23.55 1.71 -0.72	21.00 1.49 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.80 1.51 -1.79	38.95 1.77 -8.62	36.77 2.42 -3.34	32.24 2.22 0.00	31.85 2.17 0.00	31.65 2.15 0.00	32.00 2.43 -0.01	31.16 2.15 0.00	30.98 2.19 0.00	30.08 2.18 -0.01	29.23 2.19 -0.01	31.54 2.38 -0.12	37.76 2.62 -4.69	44.20 2.95 -8.77	51.28 3.08 -12.74	50.69 3.03 -11.14	37.84 2.54 -5.08	31.86 1.66 -4.21	26.71 1.53 -3.06
NYPA____HELLGATE_GT1 24158	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.09 1.54 0.01	33.24 2.23 0.01	32.33 2.16 -0.15	32.19 2.23 -0.28	31.74 2.09 -0.15	31.97 2.16 -0.25	31.16 2.09 -0.06	30.83 1.99 -0.05	29.97 1.95 -0.12	29.24 1.92 -0.28	31.31 2.06 -0.21	32.91 2.47 0.00	35.12 2.66 0.01	38.14 2.69 0.01	39.03 2.52 0.01	32.36 2.15 0.01	27.30 1.32 0.01	23.52 1.39 0.00
NYPA____HELLGATE_GT2 24159	22.72 1.59 -0.01	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.09 1.54 0.01	33.24 2.23 0.01	32.33 2.16 -0.15	32.19 2.23 -0.28	31.74 2.09 -0.15	31.97 2.16 -0.25	31.16 2.09 -0.06	30.83 1.99 -0.05	29.97 1.95 -0.12	29.24 1.92 -0.28	31.31 2.06 -0.21	32.91 2.47 0.00	35.12 2.66 0.01	38.14 2.69 0.01	39.03 2.52 0.01	32.36 2.15 0.01	27.30 1.32 0.01	23.52 1.39 0.00
NYS_BARGE__HYD 23848	20.07 -1.06 0.00	18.46 -0.83 0.00	18.28 -0.64 0.00	17.18 -0.81 0.00	18.15 -0.48 0.00	21.12 -0.39 0.00	27.10 -1.46 0.00	29.37 -1.64 0.00	28.16 -1.86 0.00	27.93 -1.75 0.00	27.52 -1.98 0.00	27.44 -2.13 0.00	27.07 -1.94 0.00	27.10 -1.70 0.00	26.16 -1.73 0.00	25.22 -1.81 0.00	26.89 -2.15 0.00	28.65 -1.80 0.00	30.26 -2.21 0.00	33.40 -2.06 0.00	34.54 -1.97 0.00	28.80 -1.42 0.00	24.89 -1.09 0.00	21.42 -0.71 0.00
OAK ORCHARD__HYD 24046	20.60 -0.53 0.00	18.90 -0.39 0.00	18.64 -0.28 0.00	17.57 -0.41 0.00	18.43 -0.20 0.00	21.42 -0.09 0.00	27.95 -0.60 0.00	30.46 -0.56 0.00	29.36 -0.66 0.00	29.12 -0.56 0.00	28.79 -0.71 0.00	28.71 -0.86 0.00	28.29 -0.72 0.00	28.22 -0.58 0.00	27.28 -0.61 0.00	26.30 -0.73 0.00	28.11 -0.93 0.00	29.78 -0.67 0.00	31.50 -0.97 0.00	34.68 -0.78 0.00	35.79 -0.73 0.00	29.68 -0.54 0.00	25.59 -0.39 0.00	21.88 -0.24 0.00
OAKDALE__35_KV_LOAD 356122	21.17 0.04 0.00	19.37 0.08 0.00	19.04 0.11 0.00	18.02 0.04 0.00	18.76 0.13 0.00	21.77 0.26 0.00	28.56 0.00 0.00	31.32 0.31 0.00	30.05 0.03 0.00	29.62 -0.06 0.00	29.44 -0.06 0.00	29.48 -0.09 0.00	28.96 -0.06 0.00	28.80 0.00 0.00	27.78 -0.11 0.00	26.90 -0.14 0.00	28.87 -0.17 0.00	30.57 0.12 0.00	32.66 0.19 0.00	35.71 0.25 0.00	36.85 0.33 0.00	30.38 0.15 0.00	26.19 0.21 0.00	22.24 0.11 0.00



OCC_CHEM___DRP 24175	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
OH_GEN_PROXY 24063	20.11 -1.01 0.00	18.50 -0.79 0.00	18.30 -0.62 0.00	17.19 -0.79 0.00	18.17 -0.47 0.00	21.12 -0.39 0.00	27.28 -1.49 -0.21	29.10 -1.71 0.21	28.16 -1.86 0.00	27.90 -1.78 0.00	27.49 -2.01 0.00	27.35 -2.22 0.00	27.01 -2.00 0.00	27.01 -1.79 0.00	26.14 -1.76 0.00	25.19 -1.84 0.00	26.86 -2.18 0.00	28.62 -1.83 0.00	30.20 -2.27 0.00	33.33 -2.13 0.00	34.47 -2.04 0.00	28.77 -1.45 0.00	24.87 -1.12 0.00	21.40 -0.73 0.00
OLIN_CORP_DRP 24177	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
OLIN_CORP_DSASP 323712	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.59 -1.97 0.00	28.75 -2.26 0.00	27.62 -2.40 0.00	27.36 -2.32 0.00	26.99 -2.51 0.00	26.82 -2.75 0.00	26.49 -2.52 0.00	26.52 -2.28 0.00	25.64 -2.26 0.00	24.71 -2.33 0.00	26.34 -2.70 0.00	28.04 -2.41 0.00	29.61 -2.86 0.00	32.69 -2.77 0.00	33.82 -2.70 0.00	28.23 -2.00 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
ONEIDA_HERK_LFGE 323681	21.34 0.21 0.00	19.50 0.21 0.00	19.07 0.15 0.00	18.13 0.14 0.00	18.78 0.15 0.00	21.79 0.28 0.00	29.04 0.48 0.00	31.67 0.65 0.00	30.53 0.51 0.00	30.27 0.59 0.00	30.00 0.50 0.00	30.10 0.53 0.00	29.51 0.49 0.00	29.28 0.49 0.00	28.34 0.44 0.00	27.46 0.43 0.00	29.53 0.49 0.00	31.12 0.67 0.00	33.18 0.71 0.00	36.31 0.85 0.00	37.50 0.99 0.00	31.01 0.78 0.00	26.50 0.52 0.00	22.53 0.40 0.00
ONEIDA___115KV_TB4 55905	21.63 0.51 0.00	19.77 0.48 0.00	19.36 0.44 0.00	18.36 0.38 0.00	19.06 0.43 0.00	22.11 0.60 0.00	29.36 0.80 0.00	32.13 1.12 0.00	30.92 0.90 0.00	30.63 0.95 0.00	30.38 0.88 0.00	30.46 0.89 0.00	29.88 0.87 0.00	29.66 0.86 0.00	28.65 0.75 0.00	27.76 0.73 0.00	29.82 0.78 0.00	31.45 1.00 0.00	33.57 1.10 0.00	36.70 1.24 0.00	37.91 1.39 0.00	31.25 1.03 0.00	26.76 0.78 0.00	22.75 0.62 0.00
ONONDAGA_REF_OCCRA 23987	20.96 -0.17 0.00	19.17 -0.12 0.00	18.83 -0.09 0.00	17.84 -0.14 0.00	18.56 -0.07 0.00	21.49 -0.02 0.00	28.38 -0.17 0.00	31.11 0.09 0.00	29.90 -0.12 0.00	29.56 -0.12 0.00	29.38 -0.12 0.00	29.42 -0.15 0.00	28.87 -0.15 0.00	28.71 -0.09 0.00	27.73 -0.17 0.00	26.79 -0.24 0.00	28.78 -0.26 0.00	30.42 -0.03 0.00	32.50 0.03 0.00	35.49 0.04 0.00	36.66 0.15 0.00	30.19 -0.03 0.00	25.93 -0.05 0.00	22.04 -0.09 0.00
ONONDAGA___COGEN 23986	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
ONTARIO___LFGE 23819	21.00 -0.13 0.00	19.27 -0.02 0.00	18.96 0.04 0.00	17.93 -0.05 0.00	18.75 0.11 0.00	21.81 0.30 0.00	28.64 0.09 0.00	31.48 0.47 0.00	30.17 0.15 0.00	29.86 0.18 0.00	29.50 0.00 0.00	29.42 -0.15 0.00	28.93 -0.09 0.00	28.82 0.03 0.00	27.81 -0.08 0.00	26.85 -0.19 0.00	28.78 -0.26 0.00	30.57 0.12 0.00	32.40 -0.06 0.00	35.60 0.14 0.00	36.85 0.33 0.00	30.53 0.30 0.00	26.22 0.23 0.00	22.24 0.11 0.00
ORANGEVILLE_WT_PWR 323706	20.43 -0.70 0.00	18.79 -0.50 0.00	18.58 -0.34 0.00	17.50 -0.48 0.00	18.45 -0.19 0.00	21.49 -0.02 0.00	27.73 -0.83 0.00	30.33 -0.68 0.00	29.00 -1.02 0.00	28.76 -0.92 0.00	28.35 -1.15 0.00	28.21 -1.36 0.00	27.82 -1.19 0.00	27.82 -0.98 0.00	26.83 -1.06 0.00	25.90 -1.13 0.00	27.73 -1.31 0.00	29.54 -0.91 0.00	31.33 -1.14 0.00	34.50 -0.96 0.00	35.71 -0.80 0.00	29.71 -0.51 0.00	25.65 -0.34 0.00	21.86 -0.26 0.00
ORANGEVILLE___ESR 323794	20.43 -0.70 0.00	18.79 -0.50 0.00	18.58 -0.34 0.00	17.50 -0.48 0.00	18.45 -0.19 0.00	21.49 -0.02 0.00	27.73 -0.83 0.00	30.33 -0.68 0.00	29.00 -1.02 0.00	28.76 -0.92 0.00	28.35 -1.15 0.00	28.21 -1.36 0.00	27.82 -1.19 0.00	27.82 -0.98 0.00	26.83 -1.06 0.00	25.90 -1.13 0.00	27.73 -1.31 0.00	29.54 -0.91 0.00	31.33 -1.14 0.00	34.50 -0.96 0.00	35.71 -0.80 0.00	29.71 -0.51 0.00	25.65 -0.34 0.00	21.86 -0.26 0.00
OSWEGATCHIE___HYD 24044	20.38 -0.74 0.00	18.63 -0.66 0.00	18.22 -0.70 0.00	17.34 -0.65 0.00	17.98 -0.65 0.00	20.84 -0.67 0.00	27.70 -0.86 0.00	30.02 -0.99 0.00	28.97 -1.05 0.00	28.67 -1.01 0.00	28.52 -0.97 0.00	28.59 -0.98 0.00	28.00 -1.02 0.00	27.76 -1.04 0.00	26.89 -1.00 0.00	26.20 -0.84 0.00	28.20 -0.84 0.00	29.47 -0.98 0.00	31.46 -1.01 0.00	34.46 -0.99 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.41 -0.57 0.00	21.68 -0.44 0.00
OSWEGO___5 23606	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.12 -0.39 0.00	27.90 -0.66 0.00	30.46 -0.56 0.00	29.36 -0.66 0.00	29.09 -0.59 0.00	28.85 -0.65 0.00	28.89 -0.68 0.00	28.37 -0.64 0.00	28.19 -0.61 0.00	27.25 -0.64 0.00	26.36 -0.67 0.00	28.29 -0.76 0.00	29.87 -0.58 0.00	31.82 -0.65 0.00	34.82 -0.64 0.00	35.93 -0.59 0.00	29.68 -0.54 0.00	25.49 -0.49 0.00	21.68 -0.44 0.00
OSWEGO___6 23613	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.12 -0.39 0.00	27.90 -0.66 0.00	30.46 -0.56 0.00	29.36 -0.66 0.00	29.09 -0.59 0.00	28.85 -0.65 0.00	28.89 -0.68 0.00	28.37 -0.64 0.00	28.19 -0.61 0.00	27.25 -0.64 0.00	26.36 -0.67 0.00	28.29 -0.76 0.00	29.87 -0.58 0.00	31.82 -0.65 0.00	34.82 -0.64 0.00	35.93 -0.59 0.00	29.68 -0.54 0.00	25.49 -0.49 0.00	21.68 -0.44 0.00
OUTOKUMPU-AB___DRP 24206	20.24 -0.89 0.00	18.61 -0.68 0.00	18.43 -0.49 0.00	17.32 -0.67 0.00	18.30 -0.34 0.00	21.29 -0.22 0.00	27.27 -1.29 0.00	29.62 -1.40 0.00	28.61 -1.41 0.00	28.02 -1.66 0.00	27.96 -1.53 0.00	27.82 -1.74 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.22 -1.67 0.00	25.44 -1.59 0.00	27.18 -1.86 0.00	28.96 -1.49 0.00	31.14 -1.33 0.00	33.93 -1.52 0.00	35.02 -1.50 0.00	29.08 -1.15 0.00	25.15 -0.83 0.00	21.60 -0.53 0.00



OXBOW___BTM 323836	19.98 -1.14 0.00	18.38 -0.91 0.00	18.20 -0.72 0.00	17.10 -0.88 0.00	18.08 -0.56 0.00	21.03 -0.47 0.00	26.99 -1.57 0.00	29.21 -1.80 0.00	28.13 -1.89 0.00	27.87 -1.81 0.00	27.49 -2.01 0.00	27.29 -2.28 0.00	26.98 -2.03 0.00	26.98 -1.81 0.00	26.05 -1.84 0.00	25.11 -1.92 0.00	26.78 -2.27 0.00	28.53 -1.92 0.00	30.13 -2.34 0.00	33.26 -2.20 0.00	34.40 -2.12 0.00	28.68 -1.54 0.00	24.79 -1.19 0.00	21.31 -0.82 0.00
OXBOW____ 24026	19.98 -1.14 0.00	18.38 -0.91 0.00	18.20 -0.72 0.00	17.10 -0.88 0.00	18.07 -0.56 0.00	21.03 -0.47 0.00	26.93 -1.63 0.00	29.21 -1.80 0.00	28.16 -1.86 0.00	27.57 -2.11 0.00	27.52 -1.98 0.00	27.41 -2.16 0.00	26.98 -2.03 0.00	27.01 -1.79 0.00	25.86 -2.04 0.00	25.09 -1.95 0.00	26.78 -2.27 0.00	28.53 -1.92 0.00	30.72 -1.75 0.00	33.44 -2.02 0.00	34.47 -2.04 0.00	28.68 -1.54 0.00	24.79 -1.20 0.00	21.33 -0.80 0.00
OXY_CHEM_DSASP 323612	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
OZONE_PARK_ESR 323760	22.75 1.63 0.00	20.62 1.33 0.00	20.15 1.23 0.00	19.21 1.22 0.00	19.77 1.14 0.00	22.76 1.25 0.00	30.44 1.88 0.00	33.56 2.54 0.00	33.45 2.22 -1.21	34.17 2.23 -2.26	32.95 2.18 -1.27	33.79 2.22 -2.01	31.73 2.18 -0.54	31.32 2.07 -0.45	31.03 2.09 -1.04	31.36 2.03 -2.30	32.91 2.15 -1.72	33.16 2.56 -0.15	35.23 2.76 0.00	38.44 2.98 0.00	39.37 2.85 0.00	32.28 2.06 0.00	27.54 1.56 0.00	23.56 1.44 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
PACKARD__115KV_DUPONT_184 80571	19.73 -1.39 0.00	18.15 -1.14 0.00	17.98 -0.95 0.00	16.89 -1.10 0.00	17.85 -0.78 0.00	20.75 -0.75 0.00	26.53 -2.03 0.00	28.75 -2.26 0.00	27.65 -2.37 0.00	27.07 -2.61 0.00	26.99 -2.51 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.68 -2.35 0.00	26.34 -2.70 0.00	28.07 -2.37 0.00	30.20 -2.27 0.00	32.87 -2.59 0.00	33.89 -2.63 0.00	28.23 -1.99 0.00	24.40 -1.59 0.00	21.04 -1.08 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	22.70 1.56 -0.01	20.60 1.31 0.00	20.13 1.21 0.00	19.19 1.20 0.00	19.73 1.10 0.00	22.56 1.05 0.00	30.01 1.46 0.00	33.09 2.08 0.00	31.86 1.80 -0.03	31.56 1.81 -0.07	31.33 1.80 -0.04	31.43 1.80 -0.06	30.79 1.77 -0.01	30.50 1.70 -0.01	29.62 1.70 -0.03	28.76 1.65 -0.07	30.84 1.74 -0.05	32.59 2.13 -0.01	34.74 2.27 0.00	37.90 2.45 0.00	38.82 2.30 0.00	31.86 1.63 0.00	27.18 1.20 0.00	23.45 1.33 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	22.84 1.71 -0.01	20.74 1.45 0.00	20.25 1.32 0.00	19.32 1.33 0.00	19.85 1.21 0.00	22.69 1.18 0.00	30.21 1.66 0.00	33.28 2.26 0.00	32.04 1.98 -0.03	31.71 1.96 -0.07	31.45 1.92 -0.04	31.55 1.92 -0.06	30.94 1.91 -0.01	30.62 1.81 -0.01	29.74 1.81 -0.03	28.84 1.73 -0.07	31.04 1.95 -0.05	32.71 2.25 -0.01	34.90 2.44 0.00	38.08 2.62 0.00	39.00 2.48 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.56 1.44 0.00
PATROON__115KV_TB1 80586	21.42 0.30 0.00	19.62 0.33 0.00	19.24 0.32 0.00	18.34 0.36 0.00	18.95 0.32 0.00	21.74 0.24 0.00	29.13 0.57 0.00	31.79 0.78 0.00	30.50 0.48 0.00	30.18 0.50 0.00	29.97 0.47 0.00	30.04 0.47 0.00	29.51 0.49 0.00	29.23 0.43 0.00	28.34 0.45 0.00	27.49 0.46 0.00	29.53 0.49 0.00	31.12 0.67 0.00	33.18 0.71 0.00	36.20 0.74 0.00	37.21 0.69 0.00	30.62 0.39 0.00	26.22 0.23 0.00	22.33 0.20 0.00
PATTRSNVILLE__SOLAR 323815	21.97 0.85 0.00	20.04 0.75 0.00	19.68 0.76 0.00	18.72 0.74 0.00	19.38 0.75 0.00	22.37 0.86 0.00	29.93 1.37 0.00	32.72 1.70 0.00	31.40 1.38 0.00	31.05 1.37 0.00	30.79 1.30 0.00	30.87 1.30 0.00	30.23 1.22 0.00	30.00 1.21 0.00	29.04 1.14 0.00	28.14 1.11 0.00	30.29 1.25 0.00	32.03 1.58 0.00	34.25 1.78 0.00	37.37 1.91 0.00	38.45 1.93 0.00	31.79 1.57 0.00	27.07 1.09 0.00	22.99 0.86 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	20.55 -0.57 0.00	18.88 -0.41 0.00	18.69 -0.23 0.00	17.57 -0.41 0.00	18.56 -0.07 0.00	21.62 0.11 0.00	27.76 -0.80 0.00	30.36 -0.65 0.00	29.09 -0.93 0.00	28.49 -1.19 0.00	28.40 -1.09 0.00	28.36 -1.21 0.00	27.91 -1.10 0.00	27.90 -0.89 0.00	26.75 -1.14 0.00	25.92 -1.11 0.00	27.73 -1.31 0.00	29.57 -0.88 0.00	31.75 -0.71 0.00	34.68 -0.78 0.00	35.79 -0.73 0.00	29.65 -0.57 0.00	25.70 -0.29 0.00	21.88 -0.24 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	22.52 1.39 0.00	20.47 1.18 0.00	20.04 1.12 0.00	19.08 1.10 0.00	19.62 0.99 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.25 2.23 0.00	31.97 1.95 0.00	31.70 2.02 0.00	31.56 2.06 0.00	31.64 2.07 0.00	31.10 2.09 0.00	30.78 1.99 0.00	29.82 1.92 0.00	28.93 1.89 0.00	30.90 1.86 0.00	32.76 2.31 0.00	34.87 2.40 0.00	37.94 2.48 0.00	39.07 2.56 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.32 1.19 0.00
PEEKSKILL____ 23653	22.39 1.27 0.00	20.35 1.06 0.00	19.91 0.98 0.00	18.97 0.99 0.00	19.55 0.91 0.00	22.50 0.99 0.00	30.10 1.54 0.00	33.15 2.14 0.00	31.91 1.89 0.00	31.64 1.96 0.00	31.36 1.86 0.00	31.46 1.89 0.00	30.87 1.86 0.00	30.55 1.76 0.00	29.62 1.73 0.00	28.74 1.70 0.00	30.87 1.83 0.00	32.64 2.19 0.00	34.91 2.44 0.00	37.98 2.52 0.00	38.96 2.45 0.00	32.25 2.03 0.00	27.26 1.27 0.00	23.21 1.08 0.00
PGE MADISON__WINDPWR 24146	22.56 1.44 0.00	20.66 1.37 0.00	20.17 1.25 0.00	19.10 1.12 0.00	19.88 1.25 0.00	23.25 1.74 0.00	30.78 2.23 0.00	33.99 2.98 0.00	32.36 2.34 0.00	32.23 2.55 0.00	31.62 2.12 0.00	31.70 2.13 0.00	31.16 2.15 0.00	30.98 2.19 0.00	29.90 2.01 0.00	28.84 1.81 0.00	30.96 1.92 0.00	33.01 2.56 0.00	35.16 2.69 0.00	38.58 3.12 0.00	40.06 3.54 0.00	33.06 2.84 0.00	28.17 2.18 0.00	23.90 1.77 0.00
PIERCEFIELD__HYD 23852	20.20 -0.93 0.00	18.42 -0.87 0.00	18.05 -0.87 0.00	17.19 -0.79 0.00	17.83 -0.80 0.00	20.60 -0.90 0.00	27.47 -1.09 0.00	29.59 -1.43 0.00	28.97 -1.05 0.00	28.64 -1.04 0.00	28.52 -0.97 0.00	28.62 -0.95 0.00	28.03 -0.99 0.00	27.82 -0.98 0.00	27.03 -0.86 0.00	26.22 -0.81 0.00	28.23 -0.81 0.00	29.23 -1.22 0.00	31.14 -1.33 0.00	34.07 -1.38 0.00	35.17 -1.35 0.00	29.41 -0.82 0.00	25.20 -0.78 0.00	21.44 -0.69 0.00



PINELAWN_CC_1 323563	22.91 1.73 -0.06	20.82 1.51 -0.02	20.35 1.42 -0.01	19.40 1.38 -0.03	20.05 1.34 -0.07	23.13 1.51 -0.12	30.74 1.86 -0.33	33.69 2.54 -0.13	32.27 2.25 0.00	31.88 2.20 0.00	31.68 2.18 0.00	32.00 2.43 -0.01	31.19 2.18 0.00	30.98 2.19 0.00	30.11 2.20 -0.01	29.23 2.19 -0.01	31.44 2.38 -0.01	33.41 2.77 -0.19	35.93 3.12 -0.34	39.21 3.26 -0.50	40.17 3.21 -0.44	33.12 2.69 -0.20	27.94 1.79 -0.17	25.24 1.55 -1.57
PJM_GEN_HTP_PROXY 323702	22.56 1.44 0.00	20.47 1.18 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.48 1.71 -0.21	33.19 2.39 0.21	33.35 2.13 -1.19	34.11 2.20 -2.24	32.85 2.09 -1.26	33.68 2.13 -1.98	31.61 2.06 -0.54	31.23 1.99 -0.45	30.88 1.95 -1.03	31.22 1.92 -2.27	32.80 2.06 -1.70	33.04 2.44 -0.15	35.20 2.73 0.00	38.26 2.80 0.00	39.22 2.70 0.00	32.49 2.27 0.00	27.39 1.40 0.00	23.36 1.24 0.00
PJM_GEN_KEystone 24065	21.40 0.27 0.00	19.54 0.25 0.00	19.21 0.28 0.00	18.20 0.22 0.00	18.95 0.32 0.00	21.90 0.39 0.00	29.02 0.26 -0.21	31.43 0.62 0.21	30.37 0.27 -0.08	30.17 0.33 -0.16	29.73 0.15 -0.09	29.80 0.09 -0.14	29.20 0.15 -0.04	29.03 0.20 -0.03	28.14 0.17 -0.07	27.33 0.14 -0.16	29.25 0.09 -0.12	30.92 0.46 -0.01	32.89 0.42 0.00	35.99 0.53 0.00	37.07 0.55 0.00	30.77 0.54 0.00	26.32 0.34 0.00	22.35 0.22 0.00
PJM_GEN_NEPTUNE_PROXY 323594	22.60 1.46 -0.02	20.56 1.25 -0.01	20.12 1.19 -0.01	19.16 1.17 -0.01	19.76 1.12 0.00	22.73 1.20 -0.02	30.36 1.60 -0.21	33.04 2.23 0.21	31.94 1.92 0.00	31.61 1.93 0.00	31.39 1.89 0.00	31.67 2.10 -0.01	30.93 1.91 0.00	30.73 1.93 0.00	29.80 1.90 -0.01	28.93 1.89 -0.01	31.08 2.03 -0.01	32.89 2.44 -0.01	35.17 2.69 -0.01	38.26 2.80 -0.01	39.26 2.74 -0.01	32.50 2.27 -0.01	27.47 1.48 -0.01	24.84 1.24 -1.48
PJM_GEN_VFT_PROXY 323633	22.50 1.37 0.00	20.41 1.12 0.00	19.96 1.04 0.00	19.03 1.04 0.00	19.58 0.95 0.00	22.54 1.03 0.00	30.39 1.63 -0.21	33.13 2.33 0.21	33.33 2.10 -1.21	34.08 2.14 -2.26	32.80 2.03 -1.27	33.64 2.07 -2.01	31.56 2.00 -0.54	31.18 1.93 -0.45	30.83 1.90 -1.04	31.22 1.89 -2.30	32.80 2.03 -1.72	33.01 2.40 -0.15	35.13 2.66 0.00	38.19 2.73 0.00	39.15 2.63 0.00	32.46 2.24 0.00	27.31 1.32 0.00	23.28 1.15 0.00
PLATSBURG_115KV_PMLD1 355749	20.62 -0.51 0.00	18.85 -0.44 0.00	18.49 -0.44 0.00	17.61 -0.38 0.00	18.24 -0.39 0.00	21.01 -0.49 0.00	27.84 -0.71 0.00	29.87 -1.15 0.00	29.45 -0.57 0.00	29.15 -0.53 0.00	29.17 -0.32 0.00	29.27 -0.30 0.00	28.72 -0.29 0.00	28.68 -0.12 0.00	28.03 0.14 0.00	27.41 0.38 0.00	29.59 0.55 0.00	30.78 0.33 0.00	32.76 0.29 0.00	35.85 0.39 0.00	36.96 0.44 0.00	30.86 0.63 0.00	26.35 0.36 0.00	22.37 0.24 0.00
PLEASANTVLY___LBMP 24000	22.18 1.06 0.00	20.20 0.91 0.00	19.77 0.85 0.00	18.83 0.85 0.00	19.44 0.80 0.00	22.35 0.84 0.00	29.81 1.26 0.00	32.72 1.71 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.93 1.36 0.00	30.32 1.31 0.00	30.01 1.21 0.00	29.15 1.26 0.00	28.25 1.22 0.00	30.35 1.31 0.00	32.09 1.64 0.00	34.22 1.75 0.00	37.37 1.91 0.00	38.34 1.83 0.00	31.46 1.24 0.00	26.92 0.94 0.00	22.97 0.84 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	22.37 1.25 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.97 0.99 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.03 2.02 0.00	31.73 1.71 0.00	31.40 1.72 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.61 2.14 0.00	37.76 2.30 0.00	38.74 2.23 0.00	31.77 1.54 0.00	27.18 1.20 0.00	23.21 1.08 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	22.37 1.25 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.97 0.99 0.00	19.57 0.93 0.00	22.52 1.01 0.00	30.04 1.48 0.00	33.03 2.02 0.00	31.73 1.71 0.00	31.40 1.72 0.00	31.18 1.68 0.00	31.28 1.71 0.00	30.70 1.68 0.00	30.38 1.58 0.00	29.51 1.62 0.00	28.60 1.57 0.00	30.70 1.66 0.00	32.46 2.01 0.00	34.61 2.14 0.00	37.76 2.30 0.00	38.74 2.23 0.00	31.77 1.54 0.00	27.18 1.20 0.00	23.21 1.08 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	22.48 1.35 0.00	20.41 1.12 0.00	20.00 1.08 0.00	19.03 1.04 0.00	19.62 0.99 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.18 2.17 0.00	31.82 1.80 0.00	31.52 1.84 0.00	31.30 1.80 0.00	31.37 1.80 0.00	30.84 1.83 0.00	30.55 1.76 0.00	29.62 1.73 0.00	28.76 1.73 0.00	30.78 1.74 0.00	32.55 2.10 0.00	34.77 2.31 0.00	37.87 2.41 0.00	38.89 2.37 0.00	31.86 1.63 0.00	27.28 1.30 0.00	23.26 1.13 0.00
POLETTI____ 23519	22.54 1.42 0.00	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.56 1.05 0.00	30.13 1.57 0.00	33.22 2.20 0.00	33.09 1.86 -1.21	33.81 1.87 -2.26	32.63 1.86 -1.27	33.47 1.89 -2.01	31.38 1.83 -0.54	31.01 1.76 -0.45	30.69 1.76 -1.04	31.03 1.70 -2.30	32.56 1.80 -1.72	32.76 2.16 -0.15	34.81 2.34 0.00	37.97 2.52 0.00	38.89 2.37 0.00	31.92 1.69 0.00	27.26 1.27 0.00	23.34 1.22 0.00
POMONA___ESR 323819	22.29 1.16 0.00	20.25 0.96 0.00	19.83 0.91 0.00	18.88 0.90 0.00	19.47 0.84 0.00	22.43 0.92 0.00	29.95 1.40 0.00	32.97 1.96 0.00	31.64 1.62 0.00	31.40 1.72 0.00	31.09 1.59 0.00	31.19 1.63 0.00	30.61 1.59 0.00	30.32 1.53 0.00	29.40 1.51 0.00	28.52 1.49 0.00	30.64 1.60 0.00	32.37 1.92 0.00	34.61 2.14 0.00	37.69 2.24 0.00	38.67 2.15 0.00	31.98 1.75 0.00	27.15 1.17 0.00	23.06 0.93 0.00
PORT_JEFF_3 23555	23.67 1.82 -0.73	21.10 1.58 -0.23	20.57 1.51 -0.13	20.00 1.46 -0.56	21.38 1.43 -1.31	24.94 1.59 -1.84	39.31 1.91 -8.84	37.04 2.61 -3.42	32.42 2.40 0.00	32.00 2.32 0.00	31.83 2.33 0.00	32.15 2.57 -0.01	31.30 2.29 0.00	31.13 2.33 0.00	30.25 2.34 -0.01	29.39 2.35 -0.01	31.69 2.53 -0.13	38.05 2.80 -4.81	44.58 3.12 -8.99	51.78 3.26 -13.06	51.15 3.21 -11.42	38.12 2.69 -5.21	32.11 1.82 -4.31	26.86 1.64 -3.10
PORT_JEFF_4 23616	23.67 1.82 -0.73	21.10 1.58 -0.23	20.57 1.51 -0.13	20.00 1.46 -0.56	21.38 1.43 -1.31	24.94 1.59 -1.84	39.31 1.91 -8.84	37.04 2.61 -3.42	32.42 2.40 0.00	32.00 2.32 0.00	31.83 2.33 0.00	32.15 2.57 -0.01	31.30 2.29 0.00	31.13 2.33 0.00	30.25 2.34 -0.01	29.39 2.35 -0.01	31.69 2.53 -0.13	38.05 2.80 -4.81	44.58 3.12 -8.99	51.78 3.26 -13.06	51.15 3.21 -11.42	38.12 2.69 -5.21	32.11 1.82 -4.31	26.86 1.64 -3.10
PORT_JEFF_IC 23713	23.73 1.84 -0.77	21.13 1.60 -0.24	20.59 1.53 -0.13	20.03 1.47 -0.57	21.44 1.45 -1.36	25.04 1.61 -1.92	39.61 1.83 -9.23	37.06 2.48 -3.57	32.30 2.28 0.00	31.76 2.08 0.00	31.68 2.18 0.00	31.99 2.42 0.00	31.13 2.12 0.00	30.90 2.10 0.00	30.13 2.23 0.00	29.25 2.22 0.00	31.54 2.38 -0.12	38.11 2.65 -5.01	44.60 2.76 -9.38	52.06 2.98 -13.62	51.35 2.92 -11.91	37.76 2.12 -5.42	32.22 1.74 -4.49	26.96 1.66 -3.17



PPL PILGRIM_ST_GT1 24216	23.03 1.82 -0.09	20.88 1.56 -0.03	20.43 1.49 -0.02	19.48 1.44 -0.06	20.17 1.42 -0.13	23.29 1.59 -0.19	31.13 1.88 -0.69	33.85 2.57 -0.27	32.39 2.37 0.00	32.00 2.32 0.00	31.83 2.33 0.00	32.15 2.57 -0.01	31.30 2.29 0.00	31.13 2.33 0.00	30.25 2.34 -0.01	29.37 2.33 -0.01	31.58 2.53 -0.02	33.60 2.77 -0.38	36.32 3.15 -0.71	39.81 3.33 -1.02	40.70 3.29 -0.89	33.39 2.75 -0.41	28.12 1.79 -0.34	25.39 1.64 -1.63
PPL PILGRIM_ST_GT2 24217	23.03 1.82 -0.09	20.88 1.56 -0.03	20.43 1.49 -0.02	19.48 1.44 -0.06	20.17 1.42 -0.13	23.29 1.59 -0.19	31.13 1.88 -0.69	33.85 2.57 -0.27	32.39 2.37 0.00	32.00 2.32 0.00	31.83 2.33 0.00	32.15 2.57 -0.01	31.30 2.29 0.00	31.13 2.33 0.00	30.25 2.34 -0.01	29.37 2.33 -0.01	31.58 2.53 -0.02	33.60 2.77 -0.38	36.32 3.15 -0.71	39.81 3.33 -1.02	40.70 3.29 -0.89	33.39 2.75 -0.41	28.12 1.79 -0.34	25.39 1.64 -1.63
PPL_SHRM_GT3 24213	23.54 1.69 -0.72	21.00 1.49 -0.23	20.51 1.46 -0.13	19.92 1.38 -0.55	21.26 1.34 -1.29	24.80 1.48 -1.81	39.12 1.88 -8.68	36.88 2.51 -3.36	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.97 2.39 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.55 2.38 -0.12	37.82 2.65 -4.72	44.32 3.02 -8.83	51.48 3.19 -12.83	50.84 3.10 -11.22	37.97 2.63 -5.11	31.91 1.69 -4.24	26.68 1.48 -3.07
PPL_SHRM_GT4 24214	23.54 1.69 -0.72	21.00 1.49 -0.23	20.51 1.46 -0.13	19.92 1.38 -0.55	21.26 1.34 -1.29	24.80 1.48 -1.81	39.12 1.88 -8.68	36.88 2.51 -3.36	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.97 2.39 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.55 2.38 -0.12	37.82 2.65 -4.72	44.32 3.02 -8.83	51.48 3.19 -12.83	50.84 3.10 -11.22	37.97 2.63 -5.11	31.91 1.69 -4.24	26.68 1.48 -3.07
PROJECT___ORANGE 1 24174	20.85 -0.27 0.00	19.08 -0.21 0.00	18.73 -0.19 0.00	17.77 -0.22 0.00	18.47 -0.17 0.00	21.40 -0.11 0.00	28.21 -0.34 0.00	30.92 -0.09 0.00	29.87 -0.15 0.00	29.56 -0.12 0.00	29.38 -0.12 0.00	29.42 -0.15 0.00	28.90 -0.12 0.00	28.74 -0.06 0.00	27.73 -0.17 0.00	26.79 -0.24 0.00	28.75 -0.29 0.00	30.36 -0.09 0.00	32.40 -0.06 0.00	35.39 -0.07 0.00	36.55 0.04 0.00	30.10 -0.12 0.00	25.85 -0.13 0.00	21.99 -0.13 0.00
PROJECT___ORANGE 2 24166	20.85 -0.27 0.00	19.08 -0.21 0.00	18.73 -0.19 0.00	17.77 -0.22 0.00	18.47 -0.17 0.00	21.40 -0.11 0.00	28.21 -0.34 0.00	30.92 -0.09 0.00	29.87 -0.15 0.00	29.56 -0.12 0.00	29.38 -0.12 0.00	29.42 -0.15 0.00	28.90 -0.12 0.00	28.74 -0.06 0.00	27.73 -0.17 0.00	26.79 -0.24 0.00	28.75 -0.29 0.00	30.36 -0.09 0.00	32.40 -0.06 0.00	35.39 -0.07 0.00	36.55 0.04 0.00	30.10 -0.12 0.00	25.85 -0.13 0.00	21.99 -0.13 0.00
PUCKETT___SOLAR 323809	21.55 0.42 0.00	19.71 0.42 0.00	19.36 0.44 0.00	18.33 0.34 0.00	19.08 0.45 0.00	22.18 0.67 0.00	29.24 0.68 0.00	32.13 1.11 0.00	30.77 0.75 0.00	30.51 0.83 0.00	30.12 0.62 0.00	30.13 0.56 0.00	29.62 0.61 0.00	29.46 0.66 0.00	28.42 0.53 0.00	27.46 0.43 0.00	29.50 0.46 0.00	31.30 0.85 0.00	33.35 0.88 0.00	36.52 1.06 0.00	37.79 1.28 0.00	31.22 1.00 0.00	26.76 0.78 0.00	22.68 0.55 0.00
PYRITES___HYD 24023	20.64 -0.49 0.00	18.85 -0.44 0.00	18.45 -0.47 0.00	17.57 -0.41 0.00	18.22 -0.41 0.00	21.12 -0.39 0.00	28.16 -0.40 0.00	30.39 -0.62 0.00	29.69 -0.33 0.00	29.35 -0.33 0.00	29.26 -0.24 0.00	29.36 -0.21 0.00	28.75 -0.26 0.00	28.54 -0.26 0.00	27.70 -0.20 0.00	26.82 -0.22 0.00	28.81 -0.23 0.00	29.81 -0.64 0.00	31.79 -0.68 0.00	34.82 -0.64 0.00	35.97 -0.55 0.00	30.07 -0.15 0.00	25.75 -0.23 0.00	21.91 -0.22 0.00
QUAKERRD_115KV_BK1 80622	20.15 -0.97 0.00	18.48 -0.81 0.00	18.20 -0.72 0.00	17.18 -0.81 0.00	17.98 -0.65 0.00	20.88 -0.62 0.00	27.36 -1.20 0.00	29.83 -1.18 0.00	28.79 -1.23 0.00	28.37 -1.31 0.00	28.26 -1.24 0.00	28.27 -1.30 0.00	27.74 -1.28 0.00	27.67 -1.12 0.00	26.64 -1.26 0.00	25.79 -1.24 0.00	27.62 -1.42 0.00	29.17 -1.28 0.00	31.20 -1.27 0.00	34.04 -1.42 0.00	35.09 -1.42 0.00	29.02 -1.21 0.00	25.00 -0.99 0.00	21.37 -0.75 0.00
QUENSBRY_115KV_TB8 356137	21.67 0.55 0.00	19.73 0.44 0.00	19.40 0.47 0.00	18.51 0.52 0.00	19.12 0.48 0.00	22.05 0.54 0.00	29.67 1.11 0.00	32.41 1.40 0.00	31.04 1.02 0.00	30.66 0.98 0.00	30.59 1.09 0.00	30.66 1.09 0.00	30.00 0.99 0.00	29.77 0.98 0.00	28.79 0.89 0.00	27.87 0.84 0.00	29.97 0.93 0.00	31.79 1.34 0.00	33.93 1.46 0.00	36.95 1.49 0.00	38.05 1.53 0.00	31.28 1.06 0.00	26.69 0.70 0.00	22.68 0.55 0.00
RAMAPO___LBMP 323565	22.20 1.08 0.00	20.18 0.89 0.00	19.75 0.83 0.00	18.81 0.83 0.00	19.42 0.78 0.00	22.35 0.84 0.00	29.76 1.20 0.00	32.69 1.67 0.00	31.28 1.26 0.00	30.96 1.28 0.00	30.76 1.27 0.00	30.84 1.27 0.00	30.29 1.28 0.00	29.98 1.18 0.00	29.12 1.23 0.00	28.22 1.19 0.00	30.26 1.22 0.00	32.00 1.55 0.00	34.09 1.62 0.00	37.19 1.74 0.00	38.16 1.64 0.00	31.37 1.15 0.00	26.94 0.96 0.00	22.97 0.84 0.00
RANKINE____ 23646	20.49 -0.63 0.00	18.83 -0.46 0.00	18.64 -0.28 0.00	17.52 -0.47 0.00	18.50 -0.13 0.00	21.55 0.04 0.00	27.64 -0.91 0.00	30.15 -0.87 0.00	28.91 -1.11 0.00	28.34 -1.34 0.00	28.26 -1.24 0.00	28.21 -1.36 0.00	27.74 -1.28 0.00	27.76 -1.04 0.00	26.58 -1.31 0.00	25.79 -1.24 0.00	27.56 -1.48 0.00	29.38 -1.07 0.00	31.59 -0.88 0.00	34.43 -1.03 0.00	35.57 -0.95 0.00	29.50 -0.73 0.00	25.54 -0.44 0.00	21.86 -0.27 0.00
RAVENSWOOD_GT2_1 24244	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.16 1.60 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD_GT2_2 24245	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.16 1.60 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD_GT2_3 24246	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.07 1.81 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.87 2.40 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.37 1.24 0.00



RAVENSWOOD_GT2_4 24247	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.07 1.81 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.87 2.40 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.37 1.24 0.00
RAVENSWOOD_GT3_1 24248	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.87 2.40 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.37 1.24 0.00
RAVENSWOOD_GT3_2 24249	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.87 2.40 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.37 1.24 0.00
RAVENSWOOD_GT3_3 24250	22.58 1.46 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.22 1.98 -1.22	33.95 1.99 -2.29	32.73 1.95 -1.29	33.58 1.98 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.82 1.87 -1.05	31.16 1.81 -2.32	32.70 1.92 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
RAVENSWOOD_GT3_4 24251	22.58 1.46 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.22 1.98 -1.22	33.95 1.99 -2.29	32.73 1.95 -1.29	33.58 1.98 -2.03	31.51 1.94 -0.55	31.10 1.84 -0.46	30.82 1.87 -1.05	31.16 1.81 -2.32	32.70 1.92 -1.74	32.89 2.28 -0.16	34.90 2.44 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
RAVENSWOOD_GT_1 23729	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.25 2.01 -1.22	33.95 1.99 -2.29	32.76 1.98 -1.29	33.58 1.98 -2.03	31.53 1.97 -0.55	31.13 1.87 -0.46	30.84 1.90 -1.05	31.16 1.81 -2.32	32.73 1.95 -1.74	32.92 2.31 -0.16	34.94 2.47 0.00	38.12 2.66 0.00	39.04 2.52 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.45 1.33 0.00
RAVENSWOOD_GT_10 24258	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD_GT_11 24259	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD_GT_4 24252	22.55 1.42 -0.01	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.16 1.60 0.00	33.22 2.20 0.00	33.13 1.89 -1.22	33.87 1.90 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.42 1.86 -0.55	31.04 1.79 -0.46	30.73 1.79 -1.05	31.08 1.73 -2.32	32.61 1.83 -1.74	32.80 2.19 -0.16	34.84 2.37 0.00	37.97 2.52 0.00	38.96 2.45 0.00	31.95 1.72 0.00	27.28 1.30 0.00	23.34 1.22 0.00
RAVENSWOOD_GT_5 24254	22.55 1.42 -0.01	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.16 1.60 0.00	33.22 2.20 0.00	33.13 1.89 -1.22	33.87 1.90 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.42 1.86 -0.55	31.04 1.79 -0.46	30.73 1.79 -1.05	31.08 1.73 -2.32	32.61 1.83 -1.74	32.80 2.19 -0.16	34.84 2.37 0.00	37.97 2.52 0.00	38.96 2.45 0.00	31.95 1.72 0.00	27.28 1.30 0.00	23.34 1.22 0.00
RAVENSWOOD_GT_6 24253	22.55 1.42 -0.01	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.16 1.60 0.00	33.22 2.20 0.00	33.13 1.89 -1.22	33.87 1.90 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.42 1.86 -0.55	31.04 1.79 -0.46	30.73 1.79 -1.05	31.08 1.73 -2.32	32.61 1.83 -1.74	32.80 2.19 -0.16	34.84 2.37 0.00	37.97 2.52 0.00	38.96 2.45 0.00	31.95 1.72 0.00	27.28 1.30 0.00	23.34 1.22 0.00
RAVENSWOOD_GT_7 24255	22.55 1.42 -0.01	20.45 1.16 0.00	20.00 1.08 0.00	19.06 1.08 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.16 1.60 0.00	33.22 2.20 0.00	33.13 1.89 -1.22	33.87 1.90 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.42 1.86 -0.55	31.04 1.79 -0.46	30.73 1.79 -1.05	31.08 1.73 -2.32	32.61 1.83 -1.74	32.80 2.19 -0.16	34.84 2.37 0.00	37.97 2.52 0.00	38.96 2.45 0.00	31.95 1.72 0.00	27.28 1.30 0.00	23.34 1.22 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD_GT_9 24257	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.18 1.63 0.00	33.25 2.23 0.00	33.16 1.92 -1.22	33.90 1.93 -2.29	32.67 1.89 -1.29	33.52 1.92 -2.03	31.45 1.89 -0.55	31.04 1.79 -0.46	30.76 1.81 -1.05	31.11 1.76 -2.32	32.64 1.86 -1.74	32.83 2.22 -0.16	34.84 2.37 0.00	38.01 2.55 0.00	38.96 2.45 0.00	31.98 1.75 0.00	27.28 1.30 0.00	23.37 1.24 0.00
RAVENSWOOD____1 23533	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.22 2.25 -2.29	32.93 2.15 -1.29	33.78 2.19 -2.03	31.71 2.15 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.90 2.12 -1.74	33.13 2.53 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.46 1.48 0.00	23.48 1.35 0.00



RAVENSWOOD___2 23534	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.22 2.25 -2.29	32.93 2.15 -1.29	33.78 2.19 -2.03	31.71 2.15 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.90 2.12 -1.74	33.13 2.53 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.46 1.48 0.00	23.48 1.35 0.00
RAVENSWOOD___3 23535	22.56 1.44 0.00	20.47 1.18 0.00	20.02 1.10 0.00	19.08 1.10 0.00	19.64 1.01 0.00	22.60 1.10 0.00	30.27 1.71 0.00	33.40 2.39 0.00	33.37 2.13 -1.22	34.16 2.20 -2.29	32.85 2.06 -1.29	33.73 2.13 -2.03	31.62 2.06 -0.55	31.24 1.99 -0.46	30.90 1.95 -1.05	31.27 1.92 -2.32	32.84 2.06 -1.74	33.04 2.44 -0.16	35.20 2.73 0.00	38.26 2.80 0.00	39.22 2.70 0.00	32.49 2.27 0.00	27.41 1.43 0.00	23.36 1.24 0.00
RAVENSWOOD___4 23820	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.30 1.74 0.00	33.43 2.42 0.00	33.43 2.19 -1.22	34.22 2.25 -2.29	32.93 2.15 -1.29	33.78 2.19 -2.03	31.71 2.15 -0.55	31.30 2.04 -0.46	30.96 2.01 -1.05	31.33 1.97 -2.32	32.90 2.12 -1.74	33.13 2.53 -0.16	35.26 2.79 0.00	38.37 2.91 0.00	39.29 2.77 0.00	32.55 2.33 0.00	27.46 1.48 0.00	23.48 1.35 0.00
RCPI_TRUST___DRP 24196	22.58 1.46 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.23 2.01 -1.20	33.94 2.02 -2.24	32.73 1.98 -1.26	33.57 2.01 -1.99	31.49 1.94 -0.54	31.12 1.87 -0.45	30.82 1.90 -1.03	31.14 1.84 -2.27	32.69 1.95 -1.70	32.88 2.28 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
RED___ROCHESTER 323720	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.64 -0.34 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.07 -0.49 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.29 -0.39 0.00	28.99 -0.50 0.00	28.92 -0.65 0.00	28.46 -0.55 0.00	28.42 -0.38 0.00	27.48 -0.42 0.00	26.49 -0.54 0.00	28.32 -0.72 0.00	29.96 -0.49 0.00	31.69 -0.78 0.00	34.89 -0.57 0.00	36.01 -0.51 0.00	29.86 -0.36 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
REGAN___SOLAR 323812	23.36 2.24 0.00	21.33 2.04 0.00	20.97 2.04 0.00	19.98 2.00 0.00	20.72 2.09 0.00	24.11 2.60 0.00	32.50 3.94 0.00	35.64 4.62 0.00	33.86 3.84 0.00	33.39 3.71 0.00	32.89 3.39 0.00	32.94 3.37 0.00	32.23 3.22 0.00	32.08 3.28 0.00	31.02 3.12 0.00	30.03 3.00 0.00	32.47 3.43 0.00	34.93 4.48 0.00	37.31 4.84 0.00	40.60 5.14 0.00	41.92 5.40 0.00	34.60 4.38 0.00	29.28 3.30 0.00	24.74 2.61 0.00
RENSSELAER___COGEN 23796	21.34 0.21 0.00	19.54 0.25 0.00	19.17 0.25 0.00	18.27 0.29 0.00	18.88 0.24 0.00	21.64 0.13 0.00	29.04 0.48 0.00	31.73 0.71 0.00	30.47 0.45 0.00	30.15 0.47 0.00	29.91 0.41 0.00	29.98 0.41 0.00	29.45 0.44 0.00	29.17 0.37 0.00	28.26 0.36 0.00	27.44 0.41 0.00	29.48 0.44 0.00	31.03 0.58 0.00	33.18 0.71 0.00	36.20 0.75 0.00	37.14 0.62 0.00	30.71 0.48 0.00	26.14 0.16 0.00	22.24 0.11 0.00
REPUBLIC_115KV_BARTNBRK 55605	22.16 1.04 0.00	20.14 0.85 0.00	19.81 0.89 0.00	18.92 0.94 0.00	19.53 0.89 0.00	22.56 1.05 0.00	30.53 1.97 0.00	33.25 2.23 0.00	31.82 1.80 0.00	31.40 1.72 0.00	31.41 1.92 0.00	31.52 1.95 0.00	30.75 1.74 0.00	30.52 1.73 0.00	29.48 1.59 0.00	28.49 1.46 0.00	30.67 1.63 0.00	32.67 2.22 0.00	35.00 2.53 0.00	38.08 2.62 0.00	39.33 2.81 0.00	32.28 2.06 0.00	27.44 1.46 0.00	23.28 1.15 0.00
REVERE_CPPR_DRP 24186	21.76 0.63 0.00	19.89 0.60 0.00	19.45 0.53 0.00	18.45 0.47 0.00	19.16 0.52 0.00	22.24 0.73 0.00	29.56 1.00 0.00	32.38 1.36 0.00	31.13 1.11 0.00	30.87 1.19 0.00	30.59 1.09 0.00	30.63 1.06 0.00	30.09 1.07 0.00	29.86 1.07 0.00	28.84 0.95 0.00	27.98 0.95 0.00	30.06 1.02 0.00	31.70 1.25 0.00	33.83 1.36 0.00	36.98 1.52 0.00	38.23 1.72 0.00	31.55 1.33 0.00	27.00 1.01 0.00	22.95 0.82 0.00
REYNOLDS_115KV_TB3 80639	21.53 0.40 0.00	19.70 0.41 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.85 0.34 0.00	29.24 0.69 0.00	31.91 0.90 0.00	30.62 0.60 0.00	30.27 0.59 0.00	30.06 0.56 0.00	30.13 0.56 0.00	29.56 0.55 0.00	29.29 0.49 0.00	28.40 0.50 0.00	27.55 0.51 0.00	29.62 0.58 0.00	31.21 0.76 0.00	33.31 0.84 0.00	36.38 0.92 0.00	37.36 0.84 0.00	30.74 0.51 0.00	26.32 0.34 0.00	22.41 0.29 0.00
RIVERBAY___ 323610	22.84 1.71 -0.01	20.74 1.45 0.00	20.25 1.32 0.00	19.32 1.33 0.00	19.85 1.21 0.00	22.69 1.18 0.00	30.21 1.66 0.00	33.28 2.26 0.00	32.04 1.98 -0.03	31.71 1.96 -0.07	31.45 1.92 -0.04	31.55 1.92 -0.06	30.94 1.91 -0.01	30.62 1.81 -0.01	29.74 1.81 -0.03	28.84 1.73 -0.07	31.04 1.95 -0.05	32.71 2.25 -0.01	34.90 2.44 0.00	38.08 2.62 0.00	39.00 2.48 0.00	31.98 1.75 0.00	27.31 1.33 0.00	23.56 1.44 0.00
RIVERSDE_115KV_TB3 55908	21.36 0.23 0.00	19.56 0.27 0.00	19.19 0.26 0.00	18.29 0.31 0.00	18.89 0.26 0.00	21.68 0.17 0.00	29.04 0.49 0.00	31.70 0.68 0.00	30.41 0.39 0.00	30.07 0.39 0.00	29.85 0.35 0.00	29.92 0.35 0.00	29.39 0.38 0.00	29.11 0.32 0.00	28.23 0.33 0.00	27.38 0.35 0.00	29.42 0.38 0.00	31.00 0.55 0.00	33.05 0.58 0.00	36.10 0.64 0.00	37.07 0.55 0.00	30.50 0.27 0.00	26.14 0.16 0.00	22.26 0.13 0.00
ROARING___BROOK_WT_PWR 323790	20.64 -0.49 0.00	18.85 -0.44 0.00	18.47 -0.45 0.00	17.55 -0.43 0.00	18.17 -0.47 0.00	20.95 -0.56 0.00	27.79 -0.77 0.00	30.02 -0.99 0.00	29.18 -0.84 0.00	28.79 -0.89 0.00	28.67 -0.83 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.08 -0.72 0.00	27.25 -0.64 0.00	26.49 -0.54 0.00	28.52 -0.52 0.00	29.75 -0.70 0.00	31.75 -0.71 0.00	34.64 -0.81 0.00	35.64 -0.88 0.00	29.47 -0.75 0.00	25.44 -0.55 0.00	21.71 -0.42 0.00
ROCHESRG_115KV_T4 355643	20.53 -0.59 0.00	18.83 -0.46 0.00	18.56 -0.36 0.00	17.50 -0.49 0.00	18.35 -0.28 0.00	21.34 -0.17 0.00	27.78 -0.77 0.00	30.30 -0.71 0.00	29.21 -0.81 0.00	28.73 -0.95 0.00	28.64 -0.86 0.00	28.62 -0.95 0.00	28.11 -0.90 0.00	28.08 -0.72 0.00	27.00 -0.89 0.00	26.17 -0.87 0.00	27.97 -1.07 0.00	29.63 -0.82 0.00	31.72 -0.75 0.00	34.57 -0.89 0.00	35.64 -0.88 0.00	29.53 -0.70 0.00	25.46 -0.52 0.00	21.79 -0.33 0.00
ROCHESTER_9_IC 23652	20.62 -0.51 0.00	18.92 -0.37 0.00	18.64 -0.28 0.00	17.57 -0.41 0.00	18.43 -0.20 0.00	21.44 -0.06 0.00	27.93 -0.63 0.00	30.46 -0.56 0.00	29.39 -0.63 0.00	28.94 -0.74 0.00	28.85 -0.65 0.00	28.83 -0.74 0.00	28.32 -0.70 0.00	28.25 -0.55 0.00	27.20 -0.70 0.00	26.33 -0.70 0.00	28.14 -0.90 0.00	29.81 -0.64 0.00	31.92 -0.55 0.00	34.78 -0.67 0.00	35.86 -0.66 0.00	29.68 -0.54 0.00	25.59 -0.39 0.00	21.91 -0.22 0.00



ROCKVIEW_13_KV_LD 356306	22.48 1.35 0.00	20.41 1.12 0.00	19.98 1.06 0.00	19.03 1.04 0.00	19.62 0.99 0.00	22.58 1.08 0.00	30.13 1.57 0.00	33.18 2.17 0.00	31.91 1.89 0.00	31.58 1.90 0.00	31.38 1.89 0.00	31.46 1.89 0.00	30.87 1.86 0.00	30.58 1.79 0.00	29.68 1.79 0.00	28.76 1.73 0.00	30.87 1.83 0.00	32.64 2.19 0.00	34.84 2.37 0.00	37.94 2.48 0.00	38.96 2.45 0.00	31.92 1.69 0.00	27.28 1.30 0.00	23.32 1.19 0.00
ROME____115KV_TB2 80656	21.76 0.63 0.00	19.89 0.60 0.00	19.45 0.53 0.00	18.45 0.47 0.00	19.16 0.52 0.00	22.24 0.73 0.00	29.56 1.00 0.00	32.38 1.36 0.00	31.13 1.11 0.00	30.87 1.19 0.00	30.59 1.09 0.00	30.63 1.06 0.00	30.09 1.07 0.00	29.86 1.07 0.00	28.84 0.95 0.00	27.98 0.95 0.00	30.06 1.02 0.00	31.70 1.25 0.00	33.83 1.36 0.00	36.98 1.52 0.00	38.23 1.72 0.00	31.55 1.33 0.00	27.00 1.01 0.00	22.95 0.82 0.00
ROSETON___1 23587	22.16 1.03 0.00	20.16 0.87 0.00	19.74 0.81 0.00	18.79 0.81 0.00	19.40 0.76 0.00	22.32 0.82 0.00	29.84 1.29 0.00	32.81 1.80 0.00	31.52 1.50 0.00	31.25 1.57 0.00	30.94 1.44 0.00	31.05 1.48 0.00	30.46 1.45 0.00	30.15 1.35 0.00	29.23 1.34 0.00	28.36 1.32 0.00	30.46 1.42 0.00	32.21 1.77 0.00	34.45 1.98 0.00	37.51 2.06 0.00	38.49 1.97 0.00	31.85 1.63 0.00	27.00 1.01 0.00	22.97 0.84 0.00
ROSETON___2 23588	22.16 1.03 0.00	20.16 0.87 0.00	19.74 0.81 0.00	18.79 0.81 0.00	19.40 0.76 0.00	22.32 0.82 0.00	29.84 1.29 0.00	32.81 1.80 0.00	31.52 1.50 0.00	31.25 1.57 0.00	30.94 1.44 0.00	31.05 1.48 0.00	30.46 1.45 0.00	30.15 1.35 0.00	29.23 1.34 0.00	28.36 1.32 0.00	30.46 1.42 0.00	32.21 1.77 0.00	34.45 1.98 0.00	37.51 2.06 0.00	38.49 1.97 0.00	31.85 1.63 0.00	27.00 1.01 0.00	22.97 0.84 0.00
ROTTDAM_115KV_TB3 80664	21.67 0.55 0.00	19.77 0.48 0.00	19.40 0.47 0.00	18.47 0.49 0.00	19.10 0.47 0.00	22.00 0.49 0.00	29.38 0.83 0.00	32.07 1.05 0.00	30.83 0.81 0.00	30.45 0.77 0.00	30.29 0.80 0.00	30.37 0.80 0.00	29.77 0.75 0.00	29.52 0.72 0.00	28.59 0.70 0.00	27.71 0.68 0.00	29.80 0.76 0.00	31.42 0.97 0.00	33.54 1.07 0.00	36.59 1.13 0.00	37.65 1.13 0.00	31.01 0.79 0.00	26.56 0.57 0.00	22.61 0.49 0.00
RUSSELL___1 23602	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
RUSSELL___2 23532	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
RUSSELL___3 23549	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
RUSSELL___4 23556	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
RUSSELL___STATION 23914	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
S SALMON___HYD 24043	20.70 -0.42 0.00	18.94 -0.35 0.00	18.56 -0.36 0.00	17.61 -0.38 0.00	18.28 -0.35 0.00	21.21 -0.30 0.00	28.10 -0.46 0.00	30.76 -0.25 0.00	29.51 -0.51 0.00	29.29 -0.39 0.00	29.05 -0.44 0.00	29.07 -0.50 0.00	28.52 -0.49 0.00	28.33 -0.46 0.00	27.36 -0.53 0.00	26.52 -0.51 0.00	28.49 -0.55 0.00	30.05 -0.40 0.00	32.08 -0.39 0.00	35.17 -0.28 0.00	36.37 -0.15 0.00	30.07 -0.15 0.00	25.72 -0.26 0.00	21.86 -0.26 0.00
S.PERRY__115KV_TB1 80734	21.19 0.06 0.00	19.48 0.19 0.00	19.21 0.28 0.00	18.11 0.13 0.00	19.01 0.37 0.00	22.20 0.69 0.00	28.90 0.34 0.00	31.66 0.65 0.00	30.26 0.24 0.00	29.56 -0.12 0.00	29.35 -0.15 0.00	29.21 -0.35 0.00	28.69 -0.32 0.00	28.71 -0.09 0.00	27.62 -0.28 0.00	26.76 -0.27 0.00	28.69 -0.35 0.00	30.72 0.27 0.00	33.02 0.55 0.00	36.24 0.78 0.00	37.50 0.99 0.00	30.86 0.63 0.00	26.63 0.65 0.00	22.66 0.53 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	20.32 -0.80 0.00	18.67 -0.62 0.00	18.49 -0.44 0.00	17.37 -0.61 0.00	18.35 -0.28 0.00	21.36 -0.15 0.00	27.36 -1.20 0.00	29.74 -1.27 0.00	28.55 -1.47 0.00	27.99 -1.69 0.00	27.90 -1.59 0.00	27.85 -1.71 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.28 -1.62 0.00	25.49 -1.54 0.00	27.24 -1.80 0.00	29.02 -1.43 0.00	31.20 -1.27 0.00	33.97 -1.49 0.00	35.09 -1.42 0.00	29.17 -1.06 0.00	25.20 -0.78 0.00	21.66 -0.46 0.00
SAWYER___23_KV_LOAD 55526	20.32 -0.80 0.00	18.67 -0.62 0.00	18.49 -0.44 0.00	17.37 -0.61 0.00	18.35 -0.28 0.00	21.36 -0.15 0.00	27.36 -1.20 0.00	29.74 -1.27 0.00	28.55 -1.47 0.00	27.99 -1.69 0.00	27.90 -1.59 0.00	27.85 -1.71 0.00	27.39 -1.62 0.00	27.41 -1.38 0.00	26.28 -1.62 0.00	25.49 -1.54 0.00	27.24 -1.80 0.00	29.02 -1.43 0.00	31.20 -1.27 0.00	33.97 -1.49 0.00	35.09 -1.42 0.00	29.17 -1.06 0.00	25.20 -0.78 0.00	21.66 -0.46 0.00
SELKIRK___I 23801	21.57 0.44 0.00	19.73 0.44 0.00	19.38 0.45 0.00	18.45 0.47 0.00	19.06 0.43 0.00	21.92 0.41 0.00	29.33 0.77 0.00	32.01 0.99 0.00	30.74 0.72 0.00	30.42 0.74 0.00	30.14 0.65 0.00	30.22 0.65 0.00	29.65 0.64 0.00	29.37 0.58 0.00	28.48 0.59 0.00	27.63 0.59 0.00	29.71 0.67 0.00	31.30 0.85 0.00	33.44 0.97 0.00	36.49 1.03 0.00	37.47 0.95 0.00	31.04 0.82 0.00	26.45 0.47 0.00	22.50 0.38 0.00



SELKIRK___II 23799	21.51 0.38 0.00	19.66 0.37 0.00	19.28 0.36 0.00	18.36 0.38 0.00	18.97 0.34 0.00	21.81 0.30 0.00	29.18 0.63 0.00	31.88 0.87 0.00	30.65 0.63 0.00	30.33 0.65 0.00	30.09 0.59 0.00	30.16 0.59 0.00	29.59 0.58 0.00	29.34 0.55 0.00	28.42 0.53 0.00	27.57 0.54 0.00	29.65 0.61 0.00	31.21 0.76 0.00	33.35 0.88 0.00	36.38 0.92 0.00	37.36 0.84 0.00	30.92 0.70 0.00	26.32 0.34 0.00	22.39 0.27 0.00
SENECA OSWGO___HYD 24041	20.62 -0.51 0.00	18.87 -0.42 0.00	18.52 -0.40 0.00	17.57 -0.41 0.00	18.26 -0.37 0.00	21.14 -0.37 0.00	27.93 -0.63 0.00	30.61 -0.40 0.00	29.45 -0.57 0.00	29.20 -0.48 0.00	28.93 -0.56 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.28 -0.52 0.00	27.34 -0.56 0.00	26.38 -0.65 0.00	28.34 -0.70 0.00	29.93 -0.52 0.00	31.92 -0.55 0.00	34.96 -0.50 0.00	36.12 -0.40 0.00	29.80 -0.42 0.00	25.52 -0.47 0.00	21.68 -0.44 0.00
SENECA___115KV_TB3 355854	20.51 -0.61 0.00	18.87 -0.42 0.00	18.68 -0.25 0.00	17.55 -0.43 0.00	18.54 -0.09 0.00	21.57 0.06 0.00	27.70 -0.86 0.00	30.18 -0.84 0.00	28.97 -1.05 0.00	28.40 -1.28 0.00	28.32 -1.18 0.00	28.24 -1.33 0.00	27.79 -1.22 0.00	27.82 -0.98 0.00	26.64 -1.26 0.00	25.84 -1.19 0.00	27.62 -1.42 0.00	29.44 -1.00 0.00	31.66 -0.81 0.00	34.50 -0.96 0.00	35.60 -0.91 0.00	29.56 -0.66 0.00	25.57 -0.42 0.00	21.88 -0.24 0.00
SENECA___ENERGY 23797	20.83 -0.30 0.00	19.08 -0.21 0.00	18.75 -0.17 0.00	17.75 -0.23 0.00	18.52 -0.11 0.00	21.53 0.02 0.00	28.33 -0.23 0.00	31.08 0.06 0.00	29.87 -0.15 0.00	29.56 -0.12 0.00	29.23 -0.27 0.00	29.21 -0.35 0.00	28.67 -0.35 0.00	28.56 -0.23 0.00	27.59 -0.31 0.00	26.63 -0.40 0.00	28.58 -0.47 0.00	30.30 -0.15 0.00	32.18 -0.29 0.00	35.32 -0.14 0.00	36.55 0.04 0.00	30.19 -0.03 0.00	25.93 -0.05 0.00	21.99 -0.13 0.00
SHOEMAKER___GT 23640	21.99 0.87 0.00	20.00 0.71 0.00	19.60 0.68 0.00	18.65 0.67 0.00	19.25 0.61 0.00	22.20 0.69 0.00	29.61 1.06 0.00	32.50 1.49 0.00	31.22 1.20 0.00	30.93 1.25 0.00	30.65 1.15 0.00	30.75 1.18 0.00	30.18 1.16 0.00	29.89 1.09 0.00	28.98 1.09 0.00	28.06 1.03 0.00	30.17 1.13 0.00	31.88 1.43 0.00	34.09 1.62 0.00	37.12 1.67 0.00	38.16 1.64 0.00	31.55 1.33 0.00	26.84 0.86 0.00	22.81 0.69 0.00
SHOEMAKR_138KV_BK 111 55601	21.99 0.87 0.00	20.00 0.71 0.00	19.60 0.68 0.00	18.65 0.67 0.00	19.27 0.63 0.00	22.20 0.69 0.00	29.56 1.00 0.00	32.38 1.36 0.00	31.07 1.05 0.00	30.72 1.04 0.00	30.50 1.00 0.00	30.57 1.01 0.00	30.03 1.02 0.00	29.75 0.95 0.00	28.87 0.98 0.00	27.95 0.92 0.00	30.03 0.99 0.00	31.73 1.28 0.00	33.83 1.36 0.00	36.91 1.45 0.00	37.91 1.39 0.00	31.16 0.94 0.00	26.76 0.78 0.00	22.81 0.69 0.00
SHOREHAM_IC_1 23715	23.54 1.69 -0.72	21.00 1.49 -0.23	20.51 1.46 -0.13	19.92 1.38 -0.55	21.26 1.34 -1.29	24.80 1.48 -1.81	39.12 1.88 -8.68	36.88 2.51 -3.36	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.97 2.39 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.55 2.38 -0.12	37.82 2.65 -4.72	44.32 3.02 -8.83	51.48 3.19 -12.83	50.84 3.10 -11.22	37.97 2.63 -5.11	31.91 1.69 -4.24	26.68 1.48 -3.07
SHOREHAM_IC_2 23716	23.54 1.69 -0.72	21.00 1.49 -0.23	20.51 1.46 -0.13	19.92 1.38 -0.55	21.26 1.34 -1.29	24.80 1.48 -1.81	39.12 1.88 -8.68	36.88 2.51 -3.36	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.97 2.39 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.55 2.38 -0.12	37.82 2.65 -4.72	44.32 3.02 -8.83	51.48 3.19 -12.83	50.84 3.10 -11.22	37.97 2.63 -5.11	31.91 1.69 -4.24	26.68 1.48 -3.07
SISSONVILLE____ 23735	20.20 -0.93 0.00	18.42 -0.87 0.00	18.05 -0.87 0.00	17.19 -0.79 0.00	17.83 -0.80 0.00	20.60 -0.90 0.00	27.47 -1.09 0.00	29.59 -1.43 0.00	28.97 -1.05 0.00	28.64 -1.04 0.00	28.52 -0.97 0.00	28.62 -0.95 0.00	28.03 -0.99 0.00	27.82 -0.98 0.00	27.03 -0.86 0.00	26.22 -0.81 0.00	28.23 -0.81 0.00	29.23 -1.22 0.00	31.14 -1.33 0.00	34.07 -1.38 0.00	35.17 -1.35 0.00	29.41 -0.82 0.00	25.20 -0.78 0.00	21.44 -0.69 0.00
SITHE_IND_GS1 24169	20.51 -0.61 0.00	18.75 -0.54 0.00	18.41 -0.51 0.00	17.46 -0.52 0.00	18.15 -0.48 0.00	20.99 -0.52 0.00	27.73 -0.83 0.00	30.27 -0.74 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.67 -0.83 0.00	28.71 -0.86 0.00	28.20 -0.81 0.00	28.02 -0.78 0.00	27.11 -0.78 0.00	26.22 -0.81 0.00	28.14 -0.90 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.61 -0.85 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.34 -0.65 0.00	21.55 -0.58 0.00
SITHE_IND_GS2 24170	20.51 -0.61 0.00	18.75 -0.54 0.00	18.41 -0.51 0.00	17.46 -0.52 0.00	18.15 -0.48 0.00	20.99 -0.52 0.00	27.73 -0.83 0.00	30.27 -0.74 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.67 -0.83 0.00	28.71 -0.86 0.00	28.20 -0.81 0.00	28.02 -0.78 0.00	27.11 -0.78 0.00	26.22 -0.81 0.00	28.14 -0.90 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.61 -0.85 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.34 -0.65 0.00	21.55 -0.58 0.00
SITHE_IND_GS3 24171	20.51 -0.61 0.00	18.75 -0.54 0.00	18.41 -0.51 0.00	17.46 -0.52 0.00	18.15 -0.48 0.00	20.99 -0.52 0.00	27.73 -0.83 0.00	30.27 -0.74 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.67 -0.83 0.00	28.71 -0.86 0.00	28.20 -0.81 0.00	28.02 -0.78 0.00	27.11 -0.78 0.00	26.22 -0.81 0.00	28.14 -0.90 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.61 -0.85 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.34 -0.65 0.00	21.55 -0.58 0.00
SITHE_IND_GS4 24172	20.51 -0.61 0.00	18.75 -0.54 0.00	18.41 -0.51 0.00	17.46 -0.52 0.00	18.15 -0.48 0.00	20.99 -0.52 0.00	27.73 -0.83 0.00	30.27 -0.74 0.00	29.18 -0.84 0.00	28.91 -0.77 0.00	28.67 -0.83 0.00	28.71 -0.86 0.00	28.20 -0.81 0.00	28.02 -0.78 0.00	27.11 -0.78 0.00	26.22 -0.81 0.00	28.14 -0.90 0.00	29.69 -0.76 0.00	31.62 -0.84 0.00	34.61 -0.85 0.00	35.68 -0.84 0.00	29.53 -0.69 0.00	25.34 -0.65 0.00	21.55 -0.58 0.00
SITHE___BATAVIA 24024	20.56 -0.57 0.00	18.90 -0.39 0.00	18.68 -0.25 0.00	17.55 -0.43 0.00	18.50 -0.13 0.00	21.57 0.06 0.00	27.90 -0.66 0.00	30.39 -0.62 0.00	29.21 -0.81 0.00	28.91 -0.77 0.00	28.52 -0.97 0.00	28.38 -1.18 0.00	28.00 -1.02 0.00	28.02 -0.78 0.00	27.06 -0.84 0.00	26.03 -1.00 0.00	27.82 -1.22 0.00	29.60 -0.85 0.00	31.27 -1.20 0.00	34.54 -0.92 0.00	35.71 -0.80 0.00	29.68 -0.54 0.00	25.65 -0.34 0.00	21.97 -0.15 0.00
SITHE___INDEPEND 23800	20.51 -0.61 0.00	18.75 -0.54 0.00	18.41 -0.51 0.00	17.46 -0.52 0.00	18.15 -0.48 0.00	20.99 -0.52 0.00	27.70 -0.86 0.00	30.24 -0.78 0.00	29.15 -0.87 0.00	28.82 -0.86 0.00	28.64 -0.86 0.00	28.68 -0.89 0.00	28.17 -0.84 0.00	27.99 -0.81 0.00	27.06 -0.84 0.00	26.20 -0.84 0.00	28.11 -0.93 0.00	29.66 -0.79 0.00	31.66 -0.81 0.00	34.57 -0.89 0.00	35.68 -0.84 0.00	29.44 -0.79 0.00	25.31 -0.68 0.00	21.55 -0.58 0.00



SITHE___MASSENA 23902	20.89 -0.23 0.00	19.08 -0.21 0.00	18.70 -0.23 0.00	17.81 -0.18 0.00	18.47 -0.17 0.00	21.31 -0.19 0.00	28.18 -0.37 0.00	30.24 -0.77 0.00	29.54 -0.48 0.00	29.09 -0.59 0.00	29.11 -0.38 0.00	29.21 -0.35 0.00	28.61 -0.41 0.00	28.39 -0.40 0.00	27.56 -0.33 0.00	26.74 -0.30 0.00	28.75 -0.29 0.00	29.81 -0.64 0.00	31.72 -0.75 0.00	34.68 -0.78 0.00	35.75 -0.77 0.00	29.68 -0.54 0.00	25.77 -0.21 0.00	22.08 -0.04 0.00
SITHE___OGDNSBRG 24021	20.83 -0.30 0.00	19.02 -0.27 0.00	18.64 -0.28 0.00	17.75 -0.23 0.00	18.41 -0.22 0.00	21.31 -0.19 0.00	28.38 -0.17 0.00	30.55 -0.47 0.00	29.87 -0.15 0.00	29.50 -0.18 0.00	29.41 -0.09 0.00	29.51 -0.06 0.00	28.87 -0.15 0.00	28.65 -0.14 0.00	27.81 -0.08 0.00	26.95 -0.08 0.00	28.98 -0.06 0.00	30.02 -0.43 0.00	31.98 -0.49 0.00	35.03 -0.43 0.00	36.19 -0.33 0.00	30.25 0.03 0.00	25.96 -0.03 0.00	22.08 -0.04 0.00
SITHE___STERLING 23777	21.63 0.51 0.00	19.77 0.48 0.00	19.36 0.44 0.00	18.36 0.38 0.00	19.06 0.43 0.00	22.11 0.60 0.00	29.38 0.83 0.00	32.19 1.18 0.00	30.98 0.96 0.00	30.75 1.07 0.00	30.41 0.92 0.00	30.49 0.92 0.00	29.94 0.93 0.00	29.72 0.92 0.00	28.70 0.81 0.00	27.82 0.78 0.00	29.88 0.84 0.00	31.51 1.07 0.00	33.57 1.10 0.00	36.73 1.27 0.00	37.98 1.46 0.00	31.34 1.12 0.00	26.79 0.81 0.00	22.75 0.62 0.00
SLEIGHT__34_KV_TB1 80719	20.55 -0.57 0.00	18.85 -0.44 0.00	18.54 -0.38 0.00	17.52 -0.47 0.00	18.30 -0.34 0.00	21.27 -0.24 0.00	27.93 -0.63 0.00	30.58 -0.43 0.00	29.48 -0.54 0.00	29.06 -0.62 0.00	28.94 -0.56 0.00	28.95 -0.62 0.00	28.40 -0.61 0.00	28.33 -0.46 0.00	27.28 -0.61 0.00	26.36 -0.68 0.00	28.23 -0.81 0.00	29.87 -0.58 0.00	31.92 -0.55 0.00	34.82 -0.64 0.00	35.97 -0.55 0.00	29.65 -0.57 0.00	25.52 -0.47 0.00	21.77 -0.35 0.00
SOUTH CAIRO___GT 23612	21.88 0.76 0.00	19.97 0.68 0.00	19.62 0.70 0.00	18.67 0.68 0.00	19.30 0.67 0.00	22.24 0.73 0.00	30.01 1.46 0.00	32.56 1.55 0.00	31.22 1.20 0.00	30.81 1.13 0.00	30.50 1.00 0.00	30.51 0.95 0.00	29.97 0.96 0.00	29.69 0.89 0.00	28.73 0.84 0.00	27.84 0.81 0.00	30.00 0.96 0.00	31.70 1.25 0.00	33.96 1.49 0.00	37.05 1.60 0.00	38.09 1.57 0.00	31.25 1.03 0.00	26.76 0.78 0.00	22.77 0.64 0.00
SOUTH HAMPTN___IC 23720	23.87 2.03 -0.71	21.29 1.77 -0.22	20.77 1.72 -0.13	20.18 1.65 -0.54	21.52 1.62 -1.27	25.12 1.83 -1.78	39.43 2.29 -8.59	37.38 3.04 -3.32	32.78 2.76 0.00	32.32 2.64 0.00	32.18 2.68 0.00	32.53 2.96 -0.01	31.65 2.64 0.00	31.47 2.68 0.00	30.58 2.68 -0.01	29.69 2.65 -0.01	32.07 2.90 -0.12	38.31 3.20 -4.67	44.81 3.60 -8.73	51.94 3.80 -12.68	51.37 3.76 -11.09	38.45 3.17 -5.06	32.30 2.13 -4.19	27.04 1.86 -3.05
SOUTHDOW__115KV_TB1 355954	21.10 -0.02 0.00	19.41 0.12 0.00	19.22 0.30 0.00	18.07 0.09 0.00	19.10 0.47 0.00	22.30 0.80 0.00	28.78 0.23 0.00	31.66 0.65 0.00	30.23 0.21 0.00	29.59 -0.09 0.00	29.50 0.00 0.00	29.39 -0.18 0.00	28.90 -0.12 0.00	28.88 0.09 0.00	27.64 -0.25 0.00	26.82 -0.22 0.00	28.72 -0.32 0.00	30.69 0.24 0.00	33.05 0.58 0.00	36.20 0.74 0.00	37.43 0.91 0.00	30.92 0.70 0.00	26.79 0.81 0.00	22.68 0.55 0.00
SOUTHOLD_69_KV_BK 2 55809	24.22 2.39 -0.71	21.63 2.12 -0.22	21.09 2.04 -0.12	20.48 1.96 -0.53	21.85 1.96 -1.26	25.48 2.19 -1.78	39.79 2.66 -8.58	37.84 3.50 -3.32	33.26 3.24 0.00	32.62 2.94 0.00	32.59 3.10 0.00	32.94 3.37 0.00	32.00 2.99 0.00	31.76 2.97 0.00	30.96 3.07 0.00	30.03 3.00 0.00	32.44 3.28 -0.11	38.73 3.62 -4.66	45.18 3.99 -8.72	52.45 4.33 -12.67	51.90 4.31 -11.08	38.53 3.26 -5.05	32.74 2.57 -4.18	27.46 2.28 -3.05
SOUTHOLD___IC 23719	24.22 2.39 -0.71	21.64 2.12 -0.22	21.10 2.04 -0.13	20.49 1.96 -0.54	21.86 1.96 -1.27	25.49 2.19 -1.78	39.94 2.80 -8.58	37.96 3.63 -3.32	33.38 3.36 0.00	32.92 3.24 0.00	32.77 3.27 0.00	33.12 3.55 -0.01	32.23 3.22 0.00	32.02 3.22 0.00	31.11 3.21 -0.01	30.20 3.16 -0.01	32.62 3.45 -0.12	38.92 3.81 -4.67	45.48 4.29 -8.73	52.71 4.58 -12.68	52.17 4.56 -11.09	39.12 3.84 -5.05	32.85 2.68 -4.19	27.46 2.28 -3.05
SOUTH_FORK_WT_PWR 323839	24.27 2.43 -0.71	21.67 2.16 -0.22	21.13 2.08 -0.13	20.52 2.00 -0.54	21.90 1.99 -1.27	25.55 2.26 -1.78	39.99 2.86 -8.58	38.05 3.72 -3.32	33.44 3.42 0.00	32.97 3.29 0.00	32.83 3.33 0.00	33.21 3.64 -0.01	32.29 3.28 0.00	32.08 3.28 0.00	31.16 3.26 -0.01	30.26 3.22 -0.01	32.68 3.51 -0.12	38.98 3.87 -4.67	45.55 4.35 -8.73	52.75 4.61 -12.68	52.21 4.60 -11.09	39.18 3.90 -5.05	32.90 2.73 -4.19	27.52 2.34 -3.05
SPIERFLS_115KV_TB 1 80737	21.59 0.46 0.00	19.68 0.39 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.96 0.45 0.00	29.53 0.97 0.00	32.22 1.21 0.00	30.89 0.87 0.00	30.51 0.83 0.00	30.44 0.94 0.00	30.51 0.95 0.00	29.85 0.84 0.00	29.63 0.84 0.00	28.65 0.75 0.00	27.74 0.70 0.00	29.82 0.78 0.00	31.61 1.16 0.00	33.74 1.27 0.00	36.77 1.31 0.00	37.87 1.35 0.00	31.13 0.91 0.00	26.56 0.57 0.00	22.57 0.44 0.00
ST LAWRENCE___ 23600	20.74 -0.38 0.00	18.94 -0.35 0.00	18.58 -0.34 0.00	17.68 -0.31 0.00	18.32 -0.32 0.00	21.12 -0.39 0.00	27.95 -0.60 0.00	29.96 -1.05 0.00	29.30 -0.72 0.00	28.88 -0.80 0.00	28.85 -0.65 0.00	28.95 -0.62 0.00	28.37 -0.64 0.00	28.16 -0.63 0.00	27.34 -0.56 0.00	26.52 -0.51 0.00	28.52 -0.52 0.00	29.54 -0.91 0.00	31.46 -1.01 0.00	34.36 -1.10 0.00	35.42 -1.09 0.00	29.35 -0.88 0.00	25.54 -0.44 0.00	21.86 -0.26 0.00
STATE_CA_115KV_115_LB 55624	21.42 0.30 0.00	19.62 0.33 0.00	19.24 0.32 0.00	18.34 0.36 0.00	18.95 0.32 0.00	21.74 0.24 0.00	29.13 0.57 0.00	31.79 0.78 0.00	30.50 0.48 0.00	30.18 0.50 0.00	29.97 0.47 0.00	30.07 0.50 0.00	29.51 0.49 0.00	29.26 0.46 0.00	28.34 0.45 0.00	27.49 0.46 0.00	29.53 0.49 0.00	31.12 0.67 0.00	33.18 0.71 0.00	36.20 0.74 0.00	37.21 0.69 0.00	30.62 0.39 0.00	26.22 0.23 0.00	22.33 0.20 0.00
STATE_ST_34_KV_LOAD 55959	21.00 -0.13 0.00	19.23 -0.06 0.00	18.88 -0.04 0.00	17.88 -0.11 0.00	18.62 -0.02 0.00	21.62 0.11 0.00	28.41 -0.14 0.00	31.20 0.19 0.00	30.02 0.00 0.00	29.62 -0.06 0.00	29.44 -0.06 0.00	29.48 -0.09 0.00	28.93 -0.09 0.00	28.80 0.00 0.00	27.78 -0.11 0.00	26.84 -0.19 0.00	28.81 -0.23 0.00	30.54 0.09 0.00	32.60 0.13 0.00	35.63 0.18 0.00	36.85 0.33 0.00	30.31 0.09 0.00	26.06 0.08 0.00	22.13 0.00 0.00
STATION 5_MISC_HYD 23604	20.62 -0.51 0.00	18.92 -0.37 0.00	18.64 -0.28 0.00	17.59 -0.40 0.00	18.43 -0.20 0.00	21.44 -0.06 0.00	27.99 -0.57 0.00	30.49 -0.53 0.00	29.39 -0.63 0.00	29.15 -0.53 0.00	28.85 -0.65 0.00	28.77 -0.80 0.00	28.32 -0.70 0.00	28.28 -0.52 0.00	27.34 -0.56 0.00	26.36 -0.67 0.00	28.17 -0.87 0.00	29.81 -0.64 0.00	31.56 -0.91 0.00	34.71 -0.75 0.00	35.82 -0.69 0.00	29.71 -0.51 0.00	25.62 -0.36 0.00	21.91 -0.22 0.00



STA_168_34_KV_BK1_2_REV_LBMP_B 345032	20.79 -0.34 0.00	19.08 -0.21 0.00	18.77 -0.15 0.00	17.72 -0.27 0.00	18.54 -0.09 0.00	21.57 0.06 0.00	28.27 -0.29 0.00	30.95 -0.06 0.00	29.81 -0.21 0.00	29.38 -0.30 0.00	29.26 -0.24 0.00	29.24 -0.33 0.00	28.69 -0.32 0.00	28.62 -0.17 0.00	27.56 -0.33 0.00	26.65 -0.38 0.00	28.55 -0.49 0.00	30.23 -0.21 0.00	32.31 -0.16 0.00	35.24 -0.21 0.00	36.37 -0.15 0.00	30.01 -0.21 0.00	25.88 -0.10 0.00	22.06 -0.07 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	20.51 -0.61 0.00	18.83 -0.46 0.00	18.54 -0.38 0.00	17.48 -0.50 0.00	18.32 -0.32 0.00	21.29 -0.22 0.00	27.81 -0.74 0.00	30.36 -0.65 0.00	29.30 -0.72 0.00	28.85 -0.83 0.00	28.76 -0.74 0.00	28.74 -0.83 0.00	28.23 -0.78 0.00	28.19 -0.60 0.00	27.14 -0.75 0.00	26.25 -0.78 0.00	28.08 -0.96 0.00	29.72 -0.73 0.00	31.79 -0.68 0.00	34.64 -0.82 0.00	35.71 -0.80 0.00	29.53 -0.70 0.00	25.46 -0.52 0.00	21.79 -0.33 0.00
STA_56____34_KV_BUS2 355983	20.51 -0.61 0.00	18.83 -0.46 0.00	18.54 -0.38 0.00	17.48 -0.50 0.00	18.32 -0.32 0.00	21.29 -0.22 0.00	27.81 -0.74 0.00	30.36 -0.65 0.00	29.30 -0.72 0.00	28.85 -0.83 0.00	28.76 -0.74 0.00	28.74 -0.83 0.00	28.23 -0.78 0.00	28.19 -0.60 0.00	27.14 -0.75 0.00	26.25 -0.78 0.00	28.08 -0.96 0.00	29.72 -0.73 0.00	31.79 -0.68 0.00	34.64 -0.82 0.00	35.71 -0.80 0.00	29.53 -0.70 0.00	25.46 -0.52 0.00	21.79 -0.33 0.00
STA_67____115KV_BK2 355882	20.58 -0.55 0.00	18.88 -0.41 0.00	18.62 -0.30 0.00	17.55 -0.43 0.00	18.41 -0.22 0.00	21.40 -0.11 0.00	27.87 -0.69 0.00	30.39 -0.62 0.00	29.33 -0.69 0.00	28.85 -0.83 0.00	28.76 -0.74 0.00	28.74 -0.83 0.00	28.23 -0.78 0.00	28.19 -0.60 0.00	27.11 -0.78 0.00	26.25 -0.78 0.00	28.08 -0.96 0.00	29.75 -0.70 0.00	31.82 -0.65 0.00	34.71 -0.74 0.00	35.79 -0.73 0.00	29.62 -0.60 0.00	25.54 -0.44 0.00	21.86 -0.27 0.00
STA_7____115KV_9TRANS 80674	20.68 -0.44 0.00	18.98 -0.31 0.00	18.71 -0.21 0.00	17.63 -0.36 0.00	18.48 -0.15 0.00	21.51 0.00 0.00	28.04 -0.51 0.00	30.61 -0.40 0.00	29.54 -0.48 0.00	29.06 -0.62 0.00	28.99 -0.50 0.00	28.98 -0.59 0.00	28.46 -0.55 0.00	28.42 -0.37 0.00	27.34 -0.56 0.00	26.47 -0.57 0.00	28.29 -0.76 0.00	29.96 -0.49 0.00	32.08 -0.39 0.00	34.96 -0.50 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.72 -0.26 0.00	21.99 -0.13 0.00
STA_82____115KV_TB1 80780	20.60 -0.53 0.00	18.90 -0.39 0.00	18.62 -0.30 0.00	17.55 -0.43 0.00	18.41 -0.22 0.00	21.40 -0.11 0.00	27.90 -0.66 0.00	30.42 -0.59 0.00	29.33 -0.69 0.00	28.88 -0.80 0.00	28.79 -0.71 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.19 -0.60 0.00	27.14 -0.75 0.00	26.28 -0.76 0.00	28.11 -0.93 0.00	29.75 -0.70 0.00	31.85 -0.62 0.00	34.71 -0.74 0.00	35.82 -0.69 0.00	29.65 -0.57 0.00	25.57 -0.42 0.00	21.88 -0.24 0.00
STEEL____WIND 323596	20.51 -0.61 0.00	18.85 -0.44 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.52 -0.11 0.00	21.57 0.06 0.00	27.76 -0.80 0.00	30.21 -0.81 0.00	28.97 -1.05 0.00	28.70 -0.98 0.00	28.29 -1.21 0.00	28.15 -1.42 0.00	27.80 -1.22 0.00	27.79 -1.01 0.00	26.81 -1.09 0.00	25.84 -1.19 0.00	27.62 -1.42 0.00	29.41 -1.04 0.00	31.11 -1.36 0.00	34.32 -1.14 0.00	35.53 -0.98 0.00	29.59 -0.64 0.00	25.57 -0.42 0.00	21.86 -0.26 0.00
STEPHTWN_115KV_BK_2 55603	21.53 0.40 0.00	19.71 0.42 0.00	19.34 0.42 0.00	18.43 0.45 0.00	19.04 0.41 0.00	21.87 0.37 0.00	29.33 0.77 0.00	32.01 0.99 0.00	30.68 0.66 0.00	30.36 0.68 0.00	30.17 0.68 0.00	30.25 0.68 0.00	29.68 0.67 0.00	29.40 0.60 0.00	28.51 0.61 0.00	27.66 0.62 0.00	29.68 0.64 0.00	31.30 0.85 0.00	33.41 0.94 0.00	36.41 0.96 0.00	37.43 0.91 0.00	30.80 0.57 0.00	26.37 0.39 0.00	22.44 0.31 0.00
STEUBEN_REC_LFGE 323667	20.98 -0.15 0.00	19.29 0.00 0.00	19.07 0.15 0.00	18.02 0.04 0.00	18.97 0.34 0.00	22.15 0.65 0.00	28.78 0.23 0.00	31.66 0.65 0.00	30.23 0.21 0.00	29.65 -0.03 0.00	29.44 -0.06 0.00	29.36 -0.21 0.00	28.87 -0.15 0.00	28.85 0.06 0.00	27.67 -0.22 0.00	26.79 -0.24 0.00	28.75 -0.29 0.00	30.69 0.24 0.00	32.92 0.45 0.00	36.02 0.57 0.00	37.32 0.80 0.00	30.71 0.48 0.00	26.56 0.57 0.00	22.50 0.38 0.00
STILLWATER____SOLAR 323814	21.80 0.68 0.00	19.89 0.60 0.00	19.53 0.61 0.00	18.61 0.63 0.00	19.23 0.60 0.00	22.15 0.64 0.00	29.76 1.20 0.00	32.50 1.49 0.00	31.16 1.14 0.00	30.84 1.16 0.00	30.65 1.15 0.00	30.72 1.15 0.00	30.09 1.07 0.00	29.83 1.04 0.00	28.87 0.98 0.00	28.01 0.97 0.00	30.12 1.08 0.00	31.85 1.40 0.00	34.06 1.59 0.00	37.09 1.63 0.00	38.12 1.60 0.00	31.55 1.33 0.00	26.79 0.81 0.00	22.77 0.64 0.00
STONY____BROOK 24151	23.85 1.90 -0.82	21.21 1.66 -0.26	20.64 1.57 -0.15	20.13 1.53 -0.62	21.59 1.49 -1.46	25.24 1.68 -2.06	40.47 2.03 -9.88	37.57 2.73 -3.82	32.48 2.46 0.00	32.08 2.40 0.00	31.92 2.42 0.00	32.27 2.69 -0.01	31.42 2.41 0.00	31.18 2.39 0.00	30.30 2.40 -0.01	29.45 2.41 -0.01	31.76 2.58 -0.14	38.77 2.95 -5.37	45.74 3.22 -10.05	53.46 3.40 -14.60	52.64 3.36 -12.77	38.82 2.78 -5.82	32.73 1.92 -4.82	27.12 1.70 -3.29
STURGEON_POOL_HYD 23609	22.46 1.33 0.00	20.37 1.08 0.00	19.94 1.02 0.00	18.97 0.99 0.00	19.57 0.93 0.00	22.56 1.05 0.00	30.13 1.57 0.00	33.03 2.02 0.00	31.70 1.68 0.00	31.37 1.69 0.00	31.18 1.68 0.00	31.22 1.66 0.00	30.70 1.68 0.00	30.41 1.61 0.00	29.51 1.62 0.00	28.57 1.54 0.00	30.67 1.63 0.00	32.40 1.95 0.00	34.58 2.11 0.00	37.69 2.23 0.00	38.67 2.15 0.00	31.74 1.51 0.00	27.20 1.22 0.00	23.21 1.08 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	22.12 0.99 0.00	20.12 0.83 0.00	19.70 0.78 0.00	18.74 0.76 0.00	19.34 0.71 0.00	22.28 0.77 0.00	29.70 1.14 0.00	32.56 1.55 0.00	31.22 1.20 0.00	30.90 1.22 0.00	30.68 1.18 0.00	30.75 1.18 0.00	30.20 1.19 0.00	29.92 1.12 0.00	29.04 1.14 0.00	28.11 1.08 0.00	30.20 1.16 0.00	31.91 1.46 0.00	34.03 1.56 0.00	37.12 1.67 0.00	38.09 1.57 0.00	31.31 1.09 0.00	26.87 0.88 0.00	22.90 0.77 0.00
SWANROAD_115KV_TB1 355699	19.77 -1.35 0.00	18.19 -1.10 0.00	17.99 -0.93 0.00	16.91 -1.08 0.00	17.89 -0.75 0.00	20.80 -0.71 0.00	26.59 -1.97 0.00	28.81 -2.20 0.00	27.71 -2.31 0.00	27.13 -2.55 0.00	27.05 -2.45 0.00	26.97 -2.60 0.00	26.52 -2.50 0.00	26.55 -2.25 0.00	25.44 -2.45 0.00	24.74 -2.30 0.00	26.40 -2.64 0.00	28.13 -2.31 0.00	30.26 -2.21 0.00	32.94 -2.52 0.00	34.00 -2.52 0.00	28.29 -1.93 0.00	24.45 -1.53 0.00	21.09 -1.04 0.00
SYNERGY____BIOGAS 323694	20.56 -0.57 0.00	18.90 -0.39 0.00	18.68 -0.25 0.00	17.55 -0.43 0.00	18.50 -0.13 0.00	21.57 0.06 0.00	27.90 -0.66 0.00	30.39 -0.62 0.00	29.21 -0.81 0.00	28.91 -0.77 0.00	28.52 -0.97 0.00	28.38 -1.18 0.00	28.00 -1.02 0.00	28.02 -0.78 0.00	27.06 -0.84 0.00	26.03 -1.00 0.00	27.82 -1.22 0.00	29.60 -0.85 0.00	31.27 -1.20 0.00	34.54 -0.92 0.00	35.71 -0.80 0.00	29.68 -0.54 0.00	25.65 -0.34 0.00	21.97 -0.15 0.00



SYRACUSE___ENERGY_ST1 323597	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
SYRACUSE___ENERGY_ST2 323598	20.93 -0.19 0.00	19.17 -0.12 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.49 -0.02 0.00	28.33 -0.23 0.00	31.04 0.03 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.35 -0.15 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.72 -0.32 0.00	30.39 -0.06 0.00	32.44 -0.03 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.04 -0.09 0.00
SYRACUSE___POWER 24017	20.93 -0.19 0.00	19.15 -0.14 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.46 -0.04 0.00	28.33 -0.23 0.00	31.08 0.06 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.32 -0.18 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	30.39 -0.06 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.02 -0.11 0.00
TALLMAN___138KV_BK151 55660	22.27 1.14 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.41 0.90 0.00	29.84 1.29 0.00	32.78 1.77 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.85 1.36 0.00	30.93 1.36 0.00	30.38 1.36 0.00	30.09 1.30 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.09 1.64 0.00	34.19 1.72 0.00	37.30 1.84 0.00	38.27 1.75 0.00	31.43 1.21 0.00	27.02 1.04 0.00	23.01 0.89 0.00
TEALLAVE_115KV_TB7 355573	20.85 -0.27 0.00	19.08 -0.21 0.00	18.73 -0.19 0.00	17.75 -0.23 0.00	18.47 -0.17 0.00	21.38 -0.13 0.00	28.21 -0.34 0.00	30.92 -0.09 0.00	29.81 -0.21 0.00	29.47 -0.21 0.00	29.29 -0.21 0.00	29.36 -0.21 0.00	28.81 -0.20 0.00	28.65 -0.14 0.00	27.64 -0.25 0.00	26.74 -0.30 0.00	28.69 -0.35 0.00	30.30 -0.15 0.00	32.34 -0.13 0.00	35.32 -0.14 0.00	36.48 -0.04 0.00	30.04 -0.18 0.00	25.80 -0.18 0.00	21.95 -0.18 0.00
TELGRAPH_34_KV_EAST 80808	20.28 -0.84 0.00	18.65 -0.64 0.00	18.45 -0.47 0.00	17.34 -0.65 0.00	18.30 -0.34 0.00	21.31 -0.19 0.00	27.39 -1.17 0.00	29.77 -1.24 0.00	28.64 -1.38 0.00	28.05 -1.63 0.00	27.96 -1.53 0.00	27.97 -1.60 0.00	27.50 -1.51 0.00	27.50 -1.30 0.00	26.39 -1.51 0.00	25.57 -1.46 0.00	27.30 -1.74 0.00	29.08 -1.37 0.00	31.24 -1.23 0.00	34.04 -1.42 0.00	35.13 -1.39 0.00	29.14 -1.09 0.00	25.20 -0.78 0.00	21.64 -0.49 0.00
TEMPLE___115KV_TB 2 55572	20.85 -0.27 0.00	19.08 -0.21 0.00	18.73 -0.19 0.00	17.77 -0.22 0.00	18.47 -0.17 0.00	21.40 -0.11 0.00	28.21 -0.34 0.00	30.92 -0.09 0.00	29.87 -0.15 0.00	29.56 -0.12 0.00	29.38 -0.12 0.00	29.42 -0.15 0.00	28.90 -0.12 0.00	28.74 -0.06 0.00	27.73 -0.17 0.00	26.79 -0.24 0.00	28.75 -0.29 0.00	30.36 -0.09 0.00	32.40 -0.06 0.00	35.39 -0.07 0.00	36.55 0.04 0.00	30.10 -0.12 0.00	25.85 -0.13 0.00	21.99 -0.13 0.00
TIANA___69_KV_BK 1 55817	23.78 1.94 -0.71	21.23 1.72 -0.22	20.71 1.67 -0.12	20.12 1.60 -0.53	21.46 1.57 -1.26	25.03 1.74 -1.78	39.19 2.06 -8.58	37.09 2.76 -3.32	32.51 2.49 0.00	31.94 2.26 0.00	31.89 2.39 0.00	32.20 2.63 0.00	31.31 2.29 0.00	31.10 2.30 0.00	30.32 2.43 0.00	29.41 2.38 0.00	31.77 2.61 -0.11	37.97 2.86 -4.66	44.34 3.15 -8.72	51.53 3.40 -12.67	50.96 3.36 -11.08	37.78 2.51 -5.05	32.09 1.92 -4.18	26.95 1.77 -3.05
TILDEN___115KV_TB1 80814	20.93 -0.19 0.00	19.15 -0.14 0.00	18.81 -0.11 0.00	17.82 -0.16 0.00	18.54 -0.09 0.00	21.46 -0.04 0.00	28.33 -0.23 0.00	31.08 0.06 0.00	29.87 -0.15 0.00	29.53 -0.15 0.00	29.32 -0.18 0.00	29.39 -0.18 0.00	28.84 -0.17 0.00	28.68 -0.12 0.00	27.70 -0.20 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	30.39 -0.06 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.63 0.11 0.00	30.13 -0.09 0.00	25.91 -0.08 0.00	22.02 -0.11 0.00
TRIGEN___CC 323695	22.64 1.50 -0.02	20.60 1.29 -0.01	20.15 1.23 0.00	19.19 1.20 0.00	19.79 1.16 0.00	22.78 1.25 -0.02	30.13 1.57 0.00	33.22 2.20 0.00	31.91 1.89 0.00	31.49 1.81 0.00	31.35 1.86 0.00	31.58 2.01 0.00	30.84 1.83 0.00	30.61 1.81 0.00	29.79 1.90 0.00	28.87 1.84 0.00	30.99 1.95 0.00	32.76 2.31 0.00	34.94 2.47 0.00	38.12 2.66 0.00	39.11 2.59 0.00	32.10 1.87 0.00	27.46 1.48 0.00	24.89 1.28 -1.48
TRINITY___115KV__4 BK 55933	21.31 0.19 0.00	19.52 0.23 0.00	19.15 0.23 0.00	18.27 0.29 0.00	18.86 0.22 0.00	21.64 0.13 0.00	28.98 0.43 0.00	31.63 0.62 0.00	30.32 0.30 0.00	30.01 0.33 0.00	29.76 0.27 0.00	29.86 0.30 0.00	29.33 0.32 0.00	29.05 0.26 0.00	28.17 0.28 0.00	27.33 0.30 0.00	29.36 0.32 0.00	30.90 0.46 0.00	32.99 0.52 0.00	35.99 0.53 0.00	36.99 0.47 0.00	30.44 0.21 0.00	26.06 0.08 0.00	22.22 0.09 0.00
UNION___PROCESSING_DRP 323587	20.60 -0.53 0.00	18.90 -0.39 0.00	18.64 -0.28 0.00	17.57 -0.41 0.00	18.43 -0.20 0.00	21.42 -0.09 0.00	27.90 -0.66 0.00	30.42 -0.59 0.00	29.36 -0.66 0.00	28.88 -0.80 0.00	28.79 -0.71 0.00	28.77 -0.80 0.00	28.26 -0.75 0.00	28.22 -0.58 0.00	27.14 -0.75 0.00	26.28 -0.76 0.00	28.11 -0.93 0.00	29.78 -0.67 0.00	31.85 -0.62 0.00	34.75 -0.71 0.00	35.82 -0.69 0.00	29.65 -0.57 0.00	25.57 -0.42 0.00	21.88 -0.24 0.00
UPPER HUDSON___HYD 24058	21.59 0.46 0.00	19.68 0.39 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.96 0.45 0.00	29.55 1.00 0.00	32.32 1.30 0.00	31.01 0.99 0.00	30.66 0.98 0.00	30.50 1.00 0.00	30.60 1.03 0.00	29.94 0.93 0.00	29.72 0.92 0.00	28.73 0.84 0.00	27.82 0.78 0.00	29.94 0.90 0.00	31.70 1.25 0.00	33.90 1.43 0.00	36.88 1.42 0.00	37.94 1.42 0.00	31.37 1.15 0.00	26.61 0.62 0.00	22.57 0.44 0.00
UPPER RAQUET___HYD 24056	20.20 -0.93 0.00	18.42 -0.87 0.00	18.05 -0.87 0.00	17.19 -0.79 0.00	17.83 -0.80 0.00	20.61 -0.90 0.00	27.27 -1.28 0.00	29.28 -1.74 0.00	28.58 -1.44 0.00	28.14 -1.54 0.00	28.17 -1.33 0.00	28.27 -1.30 0.00	27.68 -1.33 0.00	27.47 -1.32 0.00	26.67 -1.23 0.00	25.90 -1.13 0.00	27.85 -1.19 0.00	28.83 -1.61 0.00	30.75 -1.72 0.00	33.65 -1.81 0.00	34.73 -1.79 0.00	28.80 -1.42 0.00	25.00 -0.99 0.00	21.44 -0.69 0.00
VALLEY44_115KV_TB2 355964	20.74 -0.38 0.00	19.04 -0.25 0.00	18.83 -0.09 0.00	17.73 -0.25 0.00	18.69 0.06 0.00	21.77 0.26 0.00	27.98 -0.57 0.00	30.77 -0.25 0.00	29.30 -0.72 0.00	28.67 -1.01 0.00	28.55 -0.94 0.00	28.50 -1.06 0.00	28.03 -0.99 0.00	28.02 -0.78 0.00	26.89 -1.00 0.00	26.06 -0.97 0.00	27.91 -1.13 0.00	29.78 -0.67 0.00	31.92 -0.55 0.00	34.93 -0.53 0.00	36.04 -0.47 0.00	29.83 -0.39 0.00	25.98 0.00 0.00	21.97 -0.15 0.00



VALLEY___115KV_TB 1-4 80826	20.81 -0.32 0.00	18.98 -0.31 0.00	18.58 -0.34 0.00	17.66 -0.32 0.00	18.28 -0.35 0.00	21.12 -0.39 0.00	28.13 -0.43 0.00	30.64 -0.37 0.00	29.57 -0.45 0.00	29.29 -0.39 0.00	29.05 -0.44 0.00	29.21 -0.35 0.00	28.67 -0.35 0.00	28.48 -0.32 0.00	27.59 -0.31 0.00	26.76 -0.27 0.00	28.78 -0.26 0.00	30.20 -0.24 0.00	32.21 -0.26 0.00	35.17 -0.28 0.00	36.19 -0.33 0.00	29.86 -0.36 0.00	25.59 -0.39 0.00	21.79 -0.33 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	22.29 1.16 0.00	20.35 1.06 0.00	19.92 1.00 0.00	18.90 0.92 0.00	19.60 0.97 0.00	22.76 1.25 0.00	30.18 1.63 0.00	33.18 2.17 0.00	31.85 1.83 0.00	31.67 1.99 0.00	31.33 1.83 0.00	31.46 1.89 0.00	30.87 1.86 0.00	30.64 1.84 0.00	29.60 1.70 0.00	28.60 1.57 0.00	30.64 1.60 0.00	32.37 1.92 0.00	34.48 2.01 0.00	37.62 2.16 0.00	38.85 2.34 0.00	32.01 1.78 0.00	27.46 1.48 0.00	23.37 1.24 0.00
VISCHER___FERRY HYD 24020	21.67 0.55 0.00	19.81 0.52 0.00	19.43 0.51 0.00	18.52 0.54 0.00	19.14 0.50 0.00	22.00 0.50 0.00	29.53 0.97 0.00	32.26 1.24 0.00	30.92 0.90 0.00	30.60 0.92 0.00	30.35 0.86 0.00	30.45 0.89 0.00	29.82 0.81 0.00	29.52 0.72 0.00	28.62 0.72 0.00	27.76 0.73 0.00	29.88 0.84 0.00	31.58 1.13 0.00	33.77 1.30 0.00	36.84 1.38 0.00	37.79 1.28 0.00	31.28 1.06 0.00	26.58 0.60 0.00	22.57 0.44 0.00
V_A_10_SYNC_DSASP 323832	20.24 -0.89 0.00	18.60 -0.69 0.00	18.37 -0.55 0.00	17.30 -0.68 0.00	18.22 -0.41 0.00	21.19 -0.32 0.00	27.33 -1.23 0.00	29.62 -1.40 0.00	28.49 -1.53 0.00	28.23 -1.45 0.00	27.85 -1.65 0.00	27.76 -1.80 0.00	27.36 -1.65 0.00	27.36 -1.44 0.00	26.44 -1.45 0.00	25.52 -1.51 0.00	27.24 -1.80 0.00	28.93 -1.52 0.00	30.55 -1.92 0.00	33.69 -1.77 0.00	34.84 -1.68 0.00	29.01 -1.21 0.00	25.05 -0.93 0.00	21.53 -0.60 0.00
V_CMM_10_SYNC_DSASP 323787	20.83 -0.30 0.00	19.02 -0.27 0.00	18.66 -0.26 0.00	17.75 -0.23 0.00	18.39 -0.24 0.00	21.21 -0.30 0.00	28.07 -0.49 0.00	30.08 -0.93 0.00	29.42 -0.60 0.00	29.00 -0.68 0.00	28.97 -0.53 0.00	29.07 -0.50 0.00	28.49 -0.52 0.00	28.28 -0.52 0.00	27.45 -0.45 0.00	26.63 -0.40 0.00	28.63 -0.41 0.00	29.66 -0.79 0.00	31.59 -0.88 0.00	34.50 -0.96 0.00	35.57 -0.95 0.00	29.50 -0.73 0.00	25.65 -0.34 0.00	21.95 -0.18 0.00
V_CMP_10_SYNC_DSASP 323788	20.62 -0.51 0.00	18.85 -0.44 0.00	18.49 -0.43 0.00	17.61 -0.38 0.00	18.24 -0.39 0.00	21.01 -0.49 0.00	26.27 -2.29 0.00	26.92 -4.09 0.00	26.54 -3.48 0.00	26.18 -3.50 0.00	26.37 -3.13 0.00	26.46 -3.10 0.00	25.94 -3.08 0.00	25.92 -2.88 0.00	25.36 -2.54 0.00	24.82 -2.22 0.00	26.81 -2.24 0.00	27.80 -2.65 0.00	29.64 -2.83 0.00	32.41 -3.05 0.00	33.38 -3.14 0.00	27.65 -2.57 0.00	24.87 -1.12 0.00	22.37 0.24 0.00
V_D_10_SYNC_DSASP 323841	20.89 -0.23 0.00	19.08 -0.21 0.00	18.71 -0.21 0.00	17.81 -0.18 0.00	18.47 -0.17 0.00	21.31 -0.19 0.00	28.18 -0.37 0.00	30.27 -0.74 0.00	29.57 -0.45 0.00	29.09 -0.59 0.00	29.11 -0.38 0.00	29.21 -0.35 0.00	28.64 -0.38 0.00	28.39 -0.40 0.00	27.59 -0.31 0.00	26.76 -0.27 0.00	28.75 -0.29 0.00	29.81 -0.64 0.00	31.75 -0.71 0.00	34.68 -0.78 0.00	35.79 -0.73 0.00	29.68 -0.54 0.00	25.80 -0.18 0.00	22.08 -0.04 0.00
V_E_10_SYNC_DSASP 323830	22.56 1.44 0.00	20.66 1.37 0.00	20.17 1.25 0.00	19.10 1.12 0.00	19.88 1.25 0.00	23.25 1.74 0.00	30.78 2.23 0.00	33.99 2.98 0.00	32.36 2.34 0.00	32.23 2.55 0.00	31.62 2.12 0.00	31.70 2.13 0.00	31.16 2.15 0.00	30.98 2.19 0.00	29.90 2.01 0.00	28.84 1.81 0.00	30.96 1.92 0.00	33.01 2.56 0.00	35.16 2.69 0.00	38.58 3.12 0.00	40.06 3.54 0.00	33.06 2.84 0.00	28.17 2.18 0.00	23.90 1.77 0.00
V_F_30_NSYNC___DSASP 323816	21.84 0.72 0.00	19.93 0.64 0.00	19.57 0.64 0.00	18.63 0.65 0.00	19.27 0.63 0.00	22.20 0.69 0.00	29.78 1.23 0.00	32.53 1.52 0.00	31.22 1.20 0.00	30.90 1.22 0.00	30.71 1.21 0.00	30.78 1.21 0.00	30.14 1.13 0.00	29.89 1.09 0.00	28.93 1.03 0.00	28.03 1.00 0.00	30.17 1.13 0.00	31.91 1.46 0.00	34.09 1.62 0.00	37.16 1.70 0.00	38.16 1.64 0.00	31.59 1.36 0.00	26.84 0.86 0.00	22.79 0.66 0.00
V_F_30_SYNC_DSASP 323786	21.42 0.30 0.00	19.62 0.33 0.00	19.24 0.32 0.00	18.34 0.36 0.00	18.95 0.32 0.00	21.74 0.24 0.00	29.13 0.57 0.00	31.79 0.78 0.00	30.50 0.48 0.00	30.18 0.50 0.00	29.97 0.47 0.00	30.04 0.47 0.00	29.51 0.49 0.00	29.23 0.43 0.00	28.34 0.45 0.00	27.49 0.46 0.00	29.53 0.49 0.00	31.12 0.67 0.00	33.18 0.71 0.00	36.20 0.74 0.00	37.21 0.69 0.00	30.62 0.39 0.00	26.22 0.23 0.00	22.33 0.20 0.00
V_XM_10_SYNC_DSASP 323789	20.62 -0.51 0.00	18.85 -0.44 0.00	18.49 -0.43 0.00	17.61 -0.38 0.00	18.24 -0.39 0.00	21.01 -0.49 0.00	26.27 -2.29 0.00	26.92 -4.09 0.00	26.54 -3.48 0.00	26.18 -3.50 0.00	26.37 -3.13 0.00	26.46 -3.10 0.00	25.94 -3.08 0.00	25.92 -2.88 0.00	25.36 -2.54 0.00	24.82 -2.22 0.00	26.81 -2.24 0.00	27.80 -2.65 0.00	29.64 -2.83 0.00	32.41 -3.05 0.00	33.38 -3.14 0.00	27.65 -2.57 0.00	24.87 -1.12 0.00	22.37 0.24 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	22.31 1.18 0.00	20.27 0.98 0.00	19.85 0.93 0.00	18.90 0.92 0.00	19.49 0.86 0.00	22.45 0.95 0.00	29.93 1.37 0.00	32.87 1.86 0.00	31.46 1.44 0.00	31.13 1.45 0.00	30.94 1.45 0.00	31.02 1.45 0.00	30.46 1.45 0.00	30.18 1.38 0.00	29.32 1.42 0.00	28.38 1.35 0.00	30.43 1.39 0.00	32.15 1.71 0.00	34.29 1.82 0.00	37.37 1.91 0.00	38.34 1.83 0.00	31.52 1.30 0.00	27.07 1.09 0.00	23.08 0.95 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	22.58 1.46 0.00	20.49 1.20 0.00	20.04 1.12 0.00	19.10 1.12 0.00	19.66 1.02 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.31 2.29 0.00	33.23 2.01 -1.20	33.93 2.02 -2.24	32.73 1.98 -1.26	33.56 2.01 -1.98	31.49 1.94 -0.54	31.12 1.87 -0.45	30.82 1.90 -1.03	31.14 1.84 -2.27	32.69 1.95 -1.70	32.88 2.28 -0.15	34.94 2.47 0.00	38.08 2.62 0.00	39.04 2.52 0.00	32.01 1.78 0.00	27.33 1.35 0.00	23.39 1.26 0.00
W50THST__13_KV_LOAD 356117	22.67 1.54 0.00	20.54 1.25 0.00	20.10 1.17 0.00	19.15 1.17 0.00	19.71 1.08 0.00	22.71 1.20 0.00	30.35 1.80 0.00	33.46 2.45 0.00	33.41 2.19 -1.20	34.11 2.20 -2.24	32.91 2.15 -1.26	33.74 2.19 -1.98	31.70 2.15 -0.54	31.29 2.04 -0.45	30.99 2.06 -1.03	31.30 2.00 -2.27	32.86 2.12 -1.70	33.07 2.47 -0.15	35.10 2.63 0.00	38.26 2.80 0.00	39.22 2.70 0.00	32.13 1.90 0.00	27.44 1.46 0.00	23.48 1.35 0.00
WADING RIVER_IC_1 23522	23.53 1.69 -0.71	20.98 1.47 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.76 1.46 -1.79	39.02 1.86 -8.61	36.83 2.48 -3.33	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.94 2.37 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.54 2.38 -0.12	37.75 2.62 -4.68	44.21 2.99 -8.76	51.30 3.12 -12.72	50.71 3.07 -11.12	37.86 2.57 -5.07	31.85 1.66 -4.20	26.64 1.46 -3.06



WADING RIVER_IC_2 23547	23.53 1.69 -0.71	20.98 1.47 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.76 1.46 -1.79	39.02 1.86 -8.61	36.83 2.48 -3.33	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.94 2.37 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.54 2.38 -0.12	37.75 2.62 -4.68	44.21 2.99 -8.76	51.30 3.12 -12.72	50.71 3.07 -11.12	37.86 2.57 -5.07	31.85 1.66 -4.20	26.64 1.46 -3.06
WADING RIVER_IC_3 23601	23.53 1.69 -0.71	20.98 1.47 -0.22	20.49 1.44 -0.13	19.91 1.38 -0.54	21.25 1.34 -1.27	24.76 1.46 -1.79	39.02 1.86 -8.61	36.83 2.48 -3.33	32.21 2.19 0.00	31.79 2.11 0.00	31.62 2.12 0.00	31.94 2.37 -0.01	31.10 2.09 0.00	30.93 2.13 0.00	30.05 2.15 -0.01	29.20 2.16 -0.01	31.54 2.38 -0.12	37.75 2.62 -4.68	44.21 2.99 -8.76	51.30 3.12 -12.72	50.71 3.07 -11.12	37.86 2.57 -5.07	31.85 1.66 -4.20	26.64 1.46 -3.06
WALDENNY_I2_KV_BK2 80841	20.47 -0.65 0.00	18.81 -0.48 0.00	18.62 -0.30 0.00	17.50 -0.49 0.00	18.48 -0.15 0.00	21.53 0.02 0.00	27.61 -0.94 0.00	30.08 -0.93 0.00	28.91 -1.11 0.00	28.31 -1.37 0.00	28.26 -1.24 0.00	28.18 -1.39 0.00	27.74 -1.28 0.00	27.76 -1.04 0.00	26.58 -1.31 0.00	25.79 -1.24 0.00	27.53 -1.51 0.00	29.35 -1.10 0.00	31.56 -0.91 0.00	34.39 -1.06 0.00	35.49 -1.02 0.00	29.47 -0.76 0.00	25.49 -0.49 0.00	21.82 -0.31 0.00
WALDEN___HYDRO 24148	22.31 1.18 0.00	20.25 0.96 0.00	19.85 0.93 0.00	18.88 0.90 0.00	19.47 0.84 0.00	22.48 0.97 0.00	29.98 1.43 0.00	32.84 1.83 0.00	31.49 1.47 0.00	31.13 1.45 0.00	30.91 1.42 0.00	30.96 1.39 0.00	30.41 1.39 0.00	30.15 1.35 0.00	29.26 1.37 0.00	28.25 1.22 0.00	30.46 1.42 0.00	32.21 1.77 0.00	34.42 1.95 0.00	37.51 2.06 0.00	38.53 2.01 0.00	31.61 1.39 0.00	27.10 1.12 0.00	23.10 0.97 0.00
WARRENSBURG___ 23737	21.59 0.46 0.00	19.68 0.39 0.00	19.32 0.40 0.00	18.42 0.43 0.00	19.03 0.39 0.00	21.96 0.45 0.00	29.55 1.00 0.00	32.32 1.30 0.00	31.01 0.99 0.00	30.66 0.98 0.00	30.50 1.00 0.00	30.60 1.03 0.00	29.94 0.93 0.00	29.72 0.92 0.00	28.73 0.84 0.00	27.82 0.78 0.00	29.94 0.90 0.00	31.70 1.25 0.00	33.90 1.43 0.00	36.88 1.42 0.00	37.94 1.42 0.00	31.37 1.15 0.00	26.61 0.62 0.00	22.57 0.44 0.00
WATERSIDE___6 8 9 23538	22.67 1.54 -0.01	20.56 1.27 0.00	20.10 1.17 0.00	19.17 1.19 0.00	19.71 1.08 0.00	22.63 1.12 0.00	30.21 1.66 0.00	33.28 2.26 0.00	33.25 2.01 -1.22	33.95 1.99 -2.29	32.76 1.98 -1.29	33.58 1.98 -2.03	31.53 1.97 -0.55	31.13 1.87 -0.46	30.84 1.90 -1.05	31.16 1.81 -2.32	32.73 1.95 -1.74	32.92 2.31 -0.16	34.94 2.47 0.00	38.12 2.66 0.00	39.04 2.52 0.00	32.04 1.81 0.00	27.33 1.35 0.00	23.45 1.33 0.00
WATKINRD_115KV_LN8_ILLION 55919	21.04 -0.08 0.00	19.19 -0.10 0.00	18.81 -0.11 0.00	17.88 -0.11 0.00	18.50 -0.13 0.00	21.38 -0.13 0.00	28.47 -0.09 0.00	30.98 -0.03 0.00	29.90 -0.12 0.00	29.59 -0.09 0.00	29.38 -0.12 0.00	29.48 -0.09 0.00	28.93 -0.09 0.00	28.71 -0.09 0.00	27.84 -0.06 0.00	26.98 -0.05 0.00	29.01 -0.03 0.00	30.45 0.00 0.00	32.47 0.00 0.00	35.46 0.00 0.00	36.52 0.00 0.00	30.16 -0.06 0.00	25.85 -0.13 0.00	22.02 -0.11 0.00
WATSON___69_KV_BK 1 55734	23.32 1.94 -0.25	21.07 1.70 -0.08	20.59 1.63 -0.04	19.73 1.56 -0.18	20.58 1.53 -0.42	23.84 1.72 -0.61	33.31 1.97 -2.78	34.76 2.67 -1.08	32.54 2.52 0.00	32.00 2.32 0.00	31.89 2.39 0.00	32.20 2.63 0.00	31.33 2.32 0.00	31.16 2.36 0.00	30.35 2.45 0.00	29.47 2.43 0.00	31.69 2.61 -0.04	34.82 2.86 -1.51	38.45 3.15 -2.83	43.01 3.44 -4.11	43.51 3.40 -3.59	34.34 2.48 -1.64	29.26 1.92 -1.36	25.93 1.79 -2.01
WDELAWARE___HYD 323627	22.67 1.54 0.00	20.53 1.24 0.00	20.11 1.19 0.00	19.10 1.12 0.00	19.71 1.08 0.00	22.82 1.31 0.00	30.55 2.00 0.00	33.46 2.45 0.00	32.18 2.16 0.00	31.93 2.25 0.00	31.59 2.09 0.00	31.64 2.07 0.00	31.10 2.09 0.00	30.84 2.04 0.00	29.85 1.95 0.00	28.87 1.84 0.00	31.07 2.03 0.00	32.85 2.40 0.00	35.13 2.66 0.00	38.22 2.77 0.00	39.26 2.74 0.00	32.37 2.15 0.00	27.54 1.56 0.00	23.43 1.31 0.00
WEST BABYLON___IC 23714	23.10 1.90 -0.08	20.98 1.66 -0.03	20.50 1.57 -0.01	19.56 1.53 -0.04	20.23 1.49 -0.10	23.36 1.68 -0.17	31.11 1.94 -0.62	33.89 2.64 -0.24	32.42 2.40 0.00	31.88 2.20 0.00	31.80 2.30 0.00	32.08 2.51 0.00	31.25 2.23 0.00	31.04 2.25 0.00	30.27 2.37 0.00	29.36 2.32 0.00	31.55 2.50 -0.01	33.61 2.83 -0.33	36.21 3.12 -0.63	39.73 3.37 -0.91	40.63 3.32 -0.79	33.03 2.45 -0.36	28.18 1.90 -0.30	25.47 1.73 -1.62
WEST CANADA___HYD 24049	21.23 0.11 0.00	19.39 0.10 0.00	19.00 0.08 0.00	18.06 0.07 0.00	18.71 0.07 0.00	21.59 0.09 0.00	28.76 0.20 0.00	31.32 0.31 0.00	30.23 0.21 0.00	29.92 0.24 0.00	29.70 0.21 0.00	29.78 0.21 0.00	29.22 0.20 0.00	29.00 0.20 0.00	28.09 0.20 0.00	27.22 0.19 0.00	29.25 0.20 0.00	30.72 0.27 0.00	32.76 0.29 0.00	35.78 0.32 0.00	36.81 0.29 0.00	30.46 0.24 0.00	26.09 0.10 0.00	22.19 0.07 0.00
WESTERN_NY_WIND 24143	20.53 -0.59 0.00	18.88 -0.41 0.00	18.66 -0.26 0.00	17.54 -0.45 0.00	18.48 -0.15 0.00	21.55 0.04 0.00	27.78 -0.77 0.00	30.30 -0.71 0.00	29.15 -0.87 0.00	28.55 -1.13 0.00	28.46 -1.03 0.00	28.44 -1.12 0.00	27.94 -1.07 0.00	27.96 -0.84 0.00	26.83 -1.06 0.00	25.95 -1.08 0.00	27.76 -1.28 0.00	29.53 -0.91 0.00	31.75 -0.71 0.00	34.61 -0.85 0.00	35.71 -0.80 0.00	29.59 -0.63 0.00	25.59 -0.39 0.00	21.95 -0.18 0.00
WESTOVER___LESR 323668	21.23 0.11 0.00	19.43 0.14 0.00	19.09 0.17 0.00	18.07 0.09 0.00	18.84 0.20 0.00	21.83 0.32 0.00	28.64 0.09 0.00	31.45 0.43 0.00	30.14 0.12 0.00	29.71 0.03 0.00	29.53 0.03 0.00	29.57 0.00 0.00	29.01 0.00 0.00	28.88 0.09 0.00	27.87 -0.03 0.00	26.98 -0.05 0.00	28.95 -0.09 0.00	30.66 0.21 0.00	32.76 0.29 0.00	35.81 0.35 0.00	36.99 0.47 0.00	30.47 0.24 0.00	26.30 0.31 0.00	22.30 0.18 0.00
WETHRSFD_WT_PWR 323626	20.45 -0.68 0.00	18.81 -0.48 0.00	18.60 -0.32 0.00	17.52 -0.47 0.00	18.45 -0.19 0.00	21.49 -0.02 0.00	27.76 -0.80 0.00	30.36 -0.65 0.00	29.03 -0.99 0.00	28.79 -0.89 0.00	28.38 -1.12 0.00	28.24 -1.33 0.00	27.85 -1.16 0.00	27.85 -0.95 0.00	26.86 -1.03 0.00	25.92 -1.11 0.00	27.76 -1.28 0.00	29.56 -0.88 0.00	31.36 -1.10 0.00	34.54 -0.92 0.00	35.75 -0.77 0.00	29.71 -0.51 0.00	25.65 -0.34 0.00	21.86 -0.26 0.00
WHAVSTOR_138KV_BK127 55557	22.24 1.12 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.39 0.88 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.93 1.36 0.00	30.35 1.33 0.00	30.06 1.27 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.06 1.61 0.00	34.19 1.72 0.00	37.27 1.81 0.00	38.27 1.75 0.00	31.43 1.21 0.00	27.00 1.01 0.00	23.03 0.91 0.00



WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	22.24 1.12 0.00	20.24 0.95 0.00	19.81 0.89 0.00	18.87 0.88 0.00	19.45 0.82 0.00	22.39 0.88 0.00	29.84 1.29 0.00	32.75 1.74 0.00	31.37 1.35 0.00	31.05 1.37 0.00	30.82 1.33 0.00	30.93 1.36 0.00	30.35 1.33 0.00	30.06 1.27 0.00	29.21 1.31 0.00	28.30 1.27 0.00	30.35 1.31 0.00	32.06 1.61 0.00	34.19 1.72 0.00	37.27 1.81 0.00	38.27 1.75 0.00	31.43 1.21 0.00	27.00 1.01 0.00	23.03 0.91 0.00
WHITEHAL_115KV_TB1 80871	21.82 0.70 0.00	19.87 0.58 0.00	19.53 0.61 0.00	18.63 0.65 0.00	19.25 0.61 0.00	22.22 0.71 0.00	29.96 1.40 0.00	32.72 1.71 0.00	31.34 1.32 0.00	30.90 1.22 0.00	30.85 1.36 0.00	30.96 1.39 0.00	30.26 1.25 0.00	30.01 1.21 0.00	29.01 1.12 0.00	28.06 1.03 0.00	30.20 1.16 0.00	32.09 1.64 0.00	34.29 1.82 0.00	37.34 1.88 0.00	38.49 1.97 0.00	31.61 1.39 0.00	26.92 0.94 0.00	22.86 0.73 0.00
WHITEPLN_13_KV_LOAD 356215	22.56 1.44 0.00	20.49 1.20 0.00	20.06 1.14 0.00	19.12 1.13 0.00	19.71 1.08 0.00	22.67 1.16 0.00	30.24 1.68 0.00	33.40 2.39 0.00	32.12 2.10 0.00	31.82 2.14 0.00	31.56 2.06 0.00	31.67 2.10 0.00	31.07 2.06 0.00	30.78 1.99 0.00	29.87 1.98 0.00	28.95 1.92 0.00	31.02 1.97 0.00	32.82 2.37 0.00	35.03 2.57 0.00	38.19 2.73 0.00	39.22 2.70 0.00	32.04 1.81 0.00	27.44 1.46 0.00	23.43 1.31 0.00
WM_FLOYD_69_KV_BK2 356380	23.67 1.84 -0.70	21.11 1.60 -0.22	20.59 1.55 -0.12	20.00 1.49 -0.52	21.33 1.45 -1.24	24.88 1.61 -1.76	38.92 1.88 -8.48	36.84 2.54 -3.28	32.33 2.31 0.00	31.76 2.08 0.00	31.68 2.18 0.00	31.99 2.42 0.00	31.10 2.09 0.00	30.93 2.13 0.00	30.13 2.23 0.00	29.25 2.22 0.00	31.56 2.41 -0.11	37.70 2.65 -4.60	44.01 2.92 -8.62	51.13 3.16 -12.52	50.57 3.10 -10.95	37.48 2.27 -4.99	31.88 1.77 -4.13	26.82 1.66 -3.03
WOODARD__115KV_TB2 355635	20.81 -0.32 0.00	19.04 -0.25 0.00	18.69 -0.23 0.00	17.72 -0.27 0.00	18.43 -0.20 0.00	21.34 -0.17 0.00	28.16 -0.40 0.00	30.86 -0.16 0.00	29.72 -0.30 0.00	29.38 -0.30 0.00	29.20 -0.29 0.00	29.27 -0.30 0.00	28.72 -0.29 0.00	28.57 -0.23 0.00	27.56 -0.33 0.00	26.65 -0.38 0.00	28.61 -0.44 0.00	30.20 -0.24 0.00	32.24 -0.23 0.00	35.21 -0.25 0.00	36.33 -0.18 0.00	29.92 -0.30 0.00	25.72 -0.26 0.00	21.88 -0.24 0.00
YORK___WARBASSE 23770	22.80 1.67 -0.01	20.66 1.37 0.00	20.17 1.25 0.00	19.24 1.26 0.00	19.77 1.14 0.00	22.67 1.16 0.00	30.27 1.71 0.00	33.34 2.33 0.00	33.31 2.07 -1.22	34.01 2.05 -2.29	32.82 2.04 -1.29	33.64 2.04 -2.03	31.59 2.03 -0.55	31.21 1.96 -0.46	30.90 1.95 -1.05	31.25 1.89 -2.32	32.81 2.03 -1.74	33.04 2.44 -0.16	35.03 2.57 0.00	38.22 2.77 0.00	39.15 2.63 0.00	32.19 1.96 0.00	27.46 1.48 0.00	23.56 1.44 0.00