

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																		--- Marginal Cost of Losses																		--- Marginal Cost of Congestion																		01/03/2024		
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	30.64	28.51	27.79	27.03	28.30	29.57	40.30	46.35	40.57	34.63	31.77	30.84	30.17	30.86	32.12	33.79	39.15	47.69	42.45	40.25	34.93	32.86	30.30	29.81																																	
		1.98	1.79	1.65	1.63	1.68	1.70	2.71	3.55	2.86	2.42	2.11	2.07	1.97	2.07	2.13	2.27	2.86	3.78	2.96	2.95	2.22	2.18	1.90	1.87																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00																																	
74TH STREET_GT_1	24260	30.61	28.43	27.77	26.97	28.25	29.60	40.34	46.31	40.61	34.66	31.80	30.86	30.23	30.80	32.15	33.79	39.16	47.70	42.45	40.21	34.99	32.92	30.39	29.84																																	
		1.95	1.71	1.62	1.57	1.62	1.73	2.74	3.51	2.90	2.45	2.14	2.10	2.03	2.01	2.16	2.27	2.87	3.78	2.96	2.91	2.29	2.24	1.99	1.90																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00																																	
74TH STREET_GT_2	24261	30.61	28.43	27.77	26.97	28.25	29.60	40.34	46.31	40.61	34.66	31.80	30.86	30.23	30.80	32.15	33.79	39.16	47.70	42.45	40.21	34.99	32.92	30.39	29.84																																	
		1.95	1.71	1.62	1.57	1.62	1.73	2.74	3.51	2.90	2.45	2.14	2.10	2.03	2.01	2.16	2.27	2.87	3.78	2.96	2.91	2.29	2.24	1.99	1.90																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00																																	
ADK HUDSON___FALLS	24011	30.61	28.51	27.92	27.15	28.49	30.01	40.68	46.22	40.61	34.31	31.38	30.46	29.81	30.54	31.91	33.54	38.70	47.20	42.37	39.99	34.89	32.70	30.22	29.84																																	
		1.95	1.79	1.78	1.75	1.86	2.15	3.08	3.42	2.90	2.09	1.72	1.70	1.61	1.76	1.92	2.02	2.43	3.29	2.88	2.69	2.19	2.02	1.82	1.90																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	30.81	28.72	28.13	27.33	28.70	30.23	40.94	46.56	40.83	34.50	31.56	30.61	29.95	30.71	32.06	33.72	38.92	47.46	42.68	40.25	35.09	32.92	30.36	30.00																																	
		2.15	2.00	1.99	1.93	2.08	2.37	3.34	3.77	3.13	2.29	1.90	1.84	1.75	1.93	2.07	2.21	2.65	3.55	3.20	2.95	2.39	2.24	1.96	2.07																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	30.61	28.51	27.92	27.15	28.49	30.01	40.68	46.22	40.61	34.31	31.38	30.46	29.81	30.54	31.91	33.54	38.70	47.20	42.37	39.99	34.89	32.70	30.22	29.84																																	
		1.95	1.79	1.78	1.75	1.86	2.15	3.08	3.42	2.90	2.09	1.72	1.70	1.61	1.76	1.92	2.02	2.43	3.29	2.88	2.69	2.19	2.02	1.82	1.90																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	30.41	28.29	27.66	26.87	28.17	29.51	39.81	45.45	39.93	33.89	31.23	30.32	29.67	30.28	31.61	33.19	38.30	46.63	41.81	39.54	34.53	32.43	30.02	29.53																																	
		1.75	1.58	1.52	1.47	1.54	1.64	2.22	2.65	2.22	1.67	1.57	1.55	1.47	1.50	1.62	1.67	2.03	2.72	2.33	2.24	1.83	1.75	1.62	1.59																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	29.15	27.15	26.54	25.86	27.00	28.37	38.27	43.65	38.42	32.63	30.05	29.17	28.62	29.22	30.44	31.96	36.85	44.83	40.16	37.94	33.16	31.14	28.94	28.36																																	
		0.49	0.43	0.39	0.46	0.37	0.50	0.68	0.86	0.72	0.42	0.39	0.40	0.42	0.43	0.45	0.44	0.58	0.92	0.67	0.63	0.46	0.46	0.54	0.42																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	28.38	26.50	25.99	25.25	26.49	27.73	37.48	42.58	37.59	32.25	29.72	28.82	28.26	28.84	30.02	31.58	36.27	43.55	39.48	37.30	32.70	30.68	28.43	27.94																																	
		-0.29	-0.21	-0.16	-0.15	-0.13	-0.14	-0.11	-0.21	-0.11	0.03	0.06	0.06	0.06	0.06	0.03	0.06	0.00	-0.35	0.00	0.00	0.00	0.00	0.03	0.00																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	29.87	27.81	27.22	26.47	27.69	29.01	39.10	44.51	39.10	33.21	30.55	29.66	29.04	29.68	30.98	32.53	37.51	45.62	40.98	38.72	33.85	31.75	29.45	28.94																																	
		1.20	1.10	1.07	1.07	1.07	1.14	1.51	1.71	1.40	1.00	0.89	0.89	0.85	0.89	0.99	1.01	1.23	1.71	1.50	1.42	1.14	1.07	1.05	1.00																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	29.84	27.81	27.22	26.44	27.69	28.98	39.10	44.51	39.10	33.21	30.55	29.66	29.04	29.68	30.98	32.53	37.47	45.62	40.98	38.72	33.85	31.75	29.45	28.94																																	
		1.18	1.10	1.07	1.04	1.07	1.12	1.51	1.71	1.40	1.00	0.89	0.89	0.85	0.89	0.99	1.01	1.20	1.71	1.50	1.42	1.14	1.07	1.05	1.00																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	29.15	27.15	26.54	25.86	27.00	28.37	38.27	43.65	38.42	32.63	30.05	29.17	28.62	29.22	30.44	31.96	36.85	44.83	40.16	37.94	33.16	31.14	28.94	28.36																																	
		0.49	0.43	0.39	0.46	0.37	0.50	0.68	0.86	0.72	0.42	0.39	0.40	0.42	0.43	0.45	0.44	0.58	0.92	0.67	0.63	0.46	0.46	0.54	0.42																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	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	29.15 0.49 0.00	27.15 0.43 0.00	26.54 0.39 0.00	25.86 0.46 0.00	27.00 0.37 0.00	28.37 0.50 0.00	38.27 0.68 0.00	43.65 0.86 0.00	38.42 0.72 0.00	32.63 0.42 0.00	30.05 0.39 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.22 0.43 0.00	30.44 0.45 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.16 0.67 0.00	37.94 0.63 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.94 0.54 0.00	28.36 0.42 0.00
ALBANY___3 23573	29.15 0.49 0.00	27.15 0.43 0.00	26.54 0.39 0.00	25.86 0.46 0.00	27.00 0.37 0.00	28.37 0.50 0.00	38.27 0.68 0.00	43.65 0.86 0.00	38.42 0.72 0.00	32.63 0.42 0.00	30.05 0.39 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.22 0.43 0.00	30.44 0.45 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.16 0.67 0.00	37.94 0.63 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.94 0.54 0.00	28.36 0.42 0.00
ALBANY___4 23574	29.15 0.49 0.00	27.15 0.43 0.00	26.54 0.39 0.00	25.86 0.46 0.00	27.00 0.37 0.00	28.37 0.50 0.00	38.27 0.68 0.00	43.65 0.86 0.00	38.42 0.72 0.00	32.63 0.42 0.00	30.05 0.39 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.22 0.43 0.00	30.44 0.45 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.16 0.67 0.00	37.94 0.63 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.94 0.54 0.00	28.36 0.42 0.00
ALBANY___LFGE 323615	29.46 0.80 0.00	27.46 0.75 0.00	26.90 0.76 0.00	26.16 0.76 0.00	27.34 0.72 0.00	28.65 0.78 0.00	38.65 1.05 0.00	44.12 1.33 0.00	38.76 1.05 0.00	32.99 0.77 0.00	30.40 0.74 0.00	29.51 0.75 0.00	28.90 0.71 0.00	29.51 0.72 0.00	30.80 0.81 0.00	32.31 0.79 0.00	37.22 0.94 0.00	45.31 1.40 0.00	40.63 1.15 0.00	38.38 1.08 0.00	33.52 0.82 0.00	31.48 0.80 0.00	29.19 0.79 0.00	28.64 0.70 0.00
ALCOA_PA_115KV_PL-6C 55860	28.49 -0.17 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.84 -0.03 0.00	37.67 0.08 0.00	42.67 -0.13 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.43 0.23 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.64 -0.26 0.00	39.72 0.24 0.00	37.49 0.19 0.00	32.90 0.20 0.00	30.86 0.18 0.00	28.57 0.17 0.00	28.08 0.14 0.00
ALCOA_RYNLDS___DRP 24188	28.49 -0.17 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.84 -0.03 0.00	37.67 0.08 0.00	42.67 -0.13 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.43 0.23 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.64 -0.26 0.00	39.72 0.24 0.00	37.49 0.19 0.00	32.90 0.20 0.00	30.86 0.18 0.00	28.57 0.17 0.00	28.08 0.14 0.00
ALCOA___DSASP 323711	28.49 -0.17 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.84 -0.03 0.00	37.67 0.08 0.00	42.67 -0.13 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.42 0.22 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.64 -0.26 0.00	39.48 0.00 0.00	37.41 0.11 0.00	32.90 0.20 0.00	30.86 0.19 0.00	28.57 0.17 0.00	28.08 0.14 0.00
ALLEGHENY___COGEN 23514	28.55 -0.11 0.00	26.69 -0.03 0.00	26.04 -0.10 0.00	25.25 -0.15 0.00	26.55 -0.08 0.00	28.15 0.28 0.00	37.52 -0.08 0.00	42.37 -0.43 0.00	37.63 -0.08 0.00	32.25 0.03 0.00	29.69 0.03 0.00	28.79 0.03 0.00	28.40 0.20 0.00	28.99 0.20 0.00	30.14 0.15 0.00	31.77 0.25 0.00	36.49 0.22 0.00	44.43 0.53 0.00	39.84 0.35 0.00	37.45 0.15 0.00	33.39 0.69 0.00	30.92 0.24 0.00	28.68 0.28 0.00	28.16 0.22 0.00
ALTAMONT_115KV_TB 2 55880	29.49 0.83 0.00	27.47 0.75 0.00	26.85 0.71 0.00	26.11 0.71 0.00	27.34 0.72 0.00	28.68 0.81 0.00	38.72 1.13 0.00	44.17 1.37 0.00	38.88 1.17 0.00	33.05 0.84 0.00	30.40 0.74 0.00	29.48 0.72 0.00	28.90 0.70 0.00	29.53 0.75 0.00	30.80 0.81 0.00	32.34 0.82 0.00	37.29 1.02 0.00	45.31 1.40 0.00	40.63 1.15 0.00	38.38 1.08 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.19 0.80 0.00	28.69 0.75 0.00
ALTONA_WT_PWR 323606	27.92 -0.75 0.00	26.16 -0.56 0.00	25.86 -0.29 0.00	25.19 -0.20 0.00	26.57 -0.05 0.00	27.62 -0.25 0.00	37.48 -0.11 0.00	42.20 -0.60 0.00	37.33 -0.38 0.00	32.60 0.39 0.00	30.14 0.47 0.00	29.22 0.46 0.00	28.68 0.48 0.00	29.22 0.43 0.00	30.50 0.51 0.00	32.21 0.69 0.00	36.89 0.62 0.00	43.86 -0.04 0.00	39.52 0.04 0.00	37.19 -0.11 0.00	33.22 0.52 0.00	31.17 0.49 0.00	28.80 0.40 0.00	28.69 0.75 0.00
AMERICAN_REF_FUEL 24010	26.37 -2.29 0.00	24.74 -1.98 0.00	24.18 -1.96 0.00	23.42 -1.98 0.00	24.58 -2.05 0.00	25.97 -1.90 0.00	33.72 -3.87 0.00	37.36 -5.44 0.00	33.41 -4.30 0.00	29.03 -3.19 0.00	26.87 -2.79 0.00	26.06 -2.70 0.00	25.83 -2.37 0.00	26.11 -2.68 0.00	27.05 -2.94 0.00	28.34 -3.18 0.00	32.17 -4.10 0.00	38.77 -5.14 0.00	34.78 -4.70 0.00	32.82 -4.48 0.00	29.59 -3.11 0.00	27.61 -3.07 0.00	25.87 -2.53 0.00	25.70 -2.24 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	27.26 -1.40 0.00	25.52 -1.20 0.00	24.94 -1.20 0.00	24.33 -1.07 0.00	25.53 -1.09 0.00	27.09 -0.78 0.00	35.72 -1.88 0.00	39.84 -2.95 0.00	35.52 -2.19 0.00	30.80 -1.42 0.00	28.54 -1.13 0.00	27.67 -1.09 0.00	27.33 -0.87 0.00	27.63 -1.15 0.00	28.64 -1.35 0.00	30.01 -1.51 0.00	34.24 -2.03 0.00	41.58 -2.33 0.00	37.19 -2.29 0.00	35.10 -2.20 0.00	31.53 -1.18 0.00	29.45 -1.23 0.00	27.46 -0.94 0.00	27.27 -0.67 0.00
ARTHUR KILL_GT_1 23520	30.55 1.89 0.00	28.37 1.66 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.14 1.52 0.00	29.34 1.48 0.00	40.00 2.41 0.00	45.96 3.17 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.47 1.81 0.00	30.57 1.81 0.00	29.92 1.72 0.00	30.57 1.79 0.00	31.84 1.86 0.00	33.54 2.02 0.00	38.82 2.54 -0.01	64.48 3.69 -16.88	136.29 2.92 -93.88	40.08 2.72 -0.06	66.10 2.22 -31.17	35.31 2.27 -2.36	30.24 1.84 0.00	29.73 1.79 -0.01
ARTHUR_KILL_2 23512	30.47 1.81 0.00	28.29 1.58 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.26 1.39 0.00	39.93 2.33 0.00	45.84 3.04 0.00	40.16 2.45 0.00	34.31 2.09 0.00	31.38 1.72 0.00	30.51 1.75 0.00	29.83 1.63 0.00	30.51 1.73 0.00	31.75 1.77 0.00	33.44 1.92 0.00	38.71 2.43 -0.01	64.30 3.51 -16.88	136.17 2.80 -93.88	39.97 2.61 -0.06	65.97 2.09 -31.17	35.21 2.18 -2.36	30.16 1.76 0.00	29.65 1.70 -0.01
ARTHUR_KILL_3 23513	30.50 1.84 0.00	28.32 1.60 0.00	27.61 1.46 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.37 1.50 0.00	40.00 2.41 0.00	46.01 3.21 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.51 1.84 0.00	30.61 1.84 0.00	29.95 1.75 0.00	30.60 1.81 0.00	31.85 1.86 0.00	33.48 1.95 0.00	38.79 2.50 -0.02	64.09 3.29 -16.89	135.94 2.56 -93.89	39.97 2.61 -0.06	65.84 1.96 -31.18	35.01 1.97 -2.36	30.13 1.73 0.00	29.67 1.73 0.00



ARTHUR_KILL_COGEN 323718	30.55 1.89 0.00	28.37 1.66 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.14 1.52 0.00	29.34 1.48 0.00	40.00 2.41 0.00	45.96 3.17 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.47 1.81 0.00	30.57 1.81 0.00	29.92 1.72 0.00	30.57 1.79 0.00	31.84 1.86 0.00	33.54 2.02 0.00	38.82 2.54 -0.01	64.48 3.69 -16.88	136.29 2.92 -93.88	40.08 2.72 -0.06	66.10 2.22 -31.17	35.31 2.27 -2.36	30.24 1.84 0.00	29.73 1.79 -0.01
ASHOKAN____ 23654	30.21 1.55 0.00	28.11 1.39 0.00	27.45 1.31 0.00	26.69 1.29 0.00	27.96 1.33 0.00	29.26 1.39 0.00	39.77 2.18 0.00	44.94 2.14 0.00	39.41 1.70 0.00	33.21 1.00 0.00	30.31 0.65 0.00	29.31 0.55 0.00	28.71 0.51 0.00	29.30 0.52 0.00	30.68 0.69 0.00	32.40 0.88 0.00	37.47 1.20 0.00	46.06 2.15 0.00	41.46 1.97 0.00	38.87 1.57 0.00	33.91 1.21 0.00	31.60 0.92 0.00	29.45 1.05 0.00	29.03 1.09 0.00
ASTORIA_EAST_ENERGY_CC1 323581	30.76 2.09 -0.01	28.61 1.90 0.00	27.90 1.75 -0.01	27.11 1.70 -0.01	28.39 1.76 -0.01	29.51 1.64 0.00	40.04 2.44 0.00	45.74 2.95 0.01	40.08 2.38 0.01	34.30 2.09 0.01	31.46 1.81 0.01	30.60 1.84 0.01	29.91 1.72 0.01	30.59 1.81 0.01	31.84 1.86 0.01	33.47 1.95 0.01	38.78 2.50 -0.01	47.25 3.34 -0.01	42.04 2.56 0.01	39.87 2.57 0.01	34.66 1.96 0.01	32.83 2.15 -0.01	30.39 1.99 0.00	29.98 2.04 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	30.76 2.09 -0.01	28.61 1.90 0.00	27.90 1.75 -0.01	27.11 1.70 -0.01	28.39 1.76 -0.01	29.51 1.64 0.00	40.04 2.44 0.00	45.74 2.95 0.01	40.08 2.38 0.01	34.30 2.09 0.01	31.46 1.81 0.01	30.60 1.84 0.01	29.91 1.72 0.01	30.59 1.81 0.01	31.84 1.86 0.01	33.47 1.95 0.01	38.78 2.50 -0.01	47.25 3.34 -0.01	42.04 2.56 0.01	39.87 2.57 0.01	34.66 1.96 0.01	32.83 2.15 -0.01	30.39 1.99 0.00	29.98 2.04 -0.01
ASTORIA_GT2_1 24094	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT2_2 24095	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT2_3 24096	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT2_4 24097	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT3_1 24098	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT3_2 24099	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT3_3 24100	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT3_4 24101	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT4_1 24102	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT4_2 24103	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT4_3 24104	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01



ASTORIA_GT4_4 24105	30.67 2.01 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.51 1.64 0.00	40.00 2.41 0.00	45.75 2.95 0.00	40.20 2.49 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.50 1.99 0.00	38.86 2.58 -0.02	47.30 3.38 -0.02	42.05 2.57 0.00	39.80 2.50 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
ASTORIA_GT_1 23523	30.82 2.15 -0.01	28.67 1.95 0.00	27.96 1.80 -0.01	27.16 1.75 -0.01	28.44 1.81 -0.01	29.57 1.70 0.00	40.11 2.52 0.00	45.87 3.08 0.01	40.19 2.49 0.01	34.40 2.19 0.01	31.56 1.90 0.01	30.65 1.90 0.01	30.00 1.81 0.01	30.65 1.87 0.01	31.93 1.95 0.01	33.56 2.05 0.01	38.89 2.61 -0.01	47.38 3.47 -0.01	42.16 2.69 0.01	39.94 2.65 0.01	34.72 2.03 0.01	32.90 2.21 -0.01	30.45 2.05 0.00	30.04 2.10 -0.01
ASTORIA_GT_10 24110	30.61 1.95 0.00	28.40 1.68 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.69 1.90 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.87 1.93 -0.01
ASTORIA_GT_11 24225	30.61 1.95 0.00	28.40 1.68 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.69 1.90 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.87 1.93 -0.01
ASTORIA_GT_12 24226	30.61 1.95 0.00	28.40 1.68 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.69 1.90 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.87 1.93 -0.01
ASTORIA_GT_13 24227	30.61 1.95 0.00	28.40 1.68 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.69 1.90 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.87 1.93 -0.01
ASTORIA_GT_5 24106	30.73 2.06 0.00	28.51 1.79 0.00	27.90 1.75 0.00	27.10 1.70 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.08 2.48 0.00	45.83 3.04 0.00	40.27 2.56 0.00	34.41 2.19 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.57 2.05 0.00	38.94 2.65 -0.02	47.39 3.47 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.76 2.06 0.00	32.90 2.21 -0.01	30.50 2.10 0.00	30.04 2.10 -0.01
ASTORIA_GT_7 24107	30.73 2.06 0.00	28.51 1.79 0.00	27.90 1.75 0.00	27.10 1.70 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.08 2.48 0.00	45.83 3.04 0.00	40.27 2.56 0.00	34.41 2.19 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.57 2.05 0.00	38.94 2.65 -0.02	47.39 3.47 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.76 2.06 0.00	32.90 2.21 -0.01	30.50 2.10 0.00	30.04 2.10 -0.01
ASTORIA_GT_8 24108	30.73 2.06 0.00	28.51 1.79 0.00	27.90 1.75 0.00	27.10 1.70 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.08 2.48 0.00	45.83 3.04 0.00	40.27 2.56 0.00	34.41 2.19 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.57 2.05 0.00	38.94 2.65 -0.02	47.39 3.47 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.76 2.06 0.00	32.90 2.21 -0.01	30.50 2.10 0.00	30.04 2.10 -0.01
ASTORIA___2 24149	30.76 2.09 -0.01	28.64 1.92 0.00	27.90 1.75 -0.01	27.13 1.73 -0.01	28.42 1.78 -0.01	29.51 1.64 0.00	40.04 2.44 0.00	45.78 2.99 0.01	40.11 2.42 0.01	34.33 2.13 0.01	31.49 1.84 0.01	30.60 1.84 0.01	29.94 1.75 0.01	30.59 1.81 0.01	31.87 1.89 0.01	33.50 1.99 0.01	38.82 2.54 -0.01	47.29 3.38 -0.01	42.08 2.61 0.01	39.87 2.57 0.01	34.69 2.00 0.01	32.83 2.15 -0.01	30.39 1.99 0.00	29.98 2.04 -0.01
ASTORIA___3 23516	30.67 2.01 0.00	28.54 1.82 0.00	27.79 1.65 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.54 2.32 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	47.52 3.60 -0.02	42.33 2.84 0.00	40.10 2.80 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.36 1.96 0.00	29.87 1.93 -0.01
ASTORIA___4 23517	30.61 1.95 0.00	28.40 1.68 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.69 1.90 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.87 1.93 -0.01
ASTORIA___5 23518	30.67 2.01 0.00	28.54 1.82 0.00	27.79 1.65 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.54 2.32 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	47.52 3.60 -0.02	42.33 2.84 0.00	40.10 2.80 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.36 1.96 0.00	29.87 1.93 -0.01
AST_ENERGY_2_CC3 323677	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.37 1.50 0.00	40.00 2.41 0.01	45.24 3.17 0.72	40.18 2.49 0.02	34.32 2.13 0.02	31.47 1.81 0.00	30.58 1.81 0.00	29.92 1.72 0.00	30.57 1.79 0.00	31.83 1.86 0.02	33.46 1.95 0.02	38.77 2.50 0.00	47.24 3.34 0.00	42.07 2.61 0.02	39.90 2.61 0.02	34.65 1.96 0.02	32.64 1.97 0.00	30.16 1.76 0.00	29.67 1.73 0.00
AST_ENERGY_2_CC4 323678	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.37 1.50 0.00	40.00 2.41 0.01	45.24 3.17 0.72	40.18 2.49 0.02	34.32 2.13 0.02	31.47 1.81 0.00	30.58 1.81 0.00	29.92 1.72 0.00	30.57 1.79 0.00	31.83 1.86 0.02	33.46 1.95 0.02	38.77 2.50 0.00	47.24 3.34 0.00	42.07 2.61 0.02	39.90 2.61 0.02	34.65 1.96 0.02	32.64 1.97 0.00	30.16 1.76 0.00	29.67 1.73 0.00



ATHENS_STG_1 23668	29.75 1.09 0.00	27.71 0.99 0.00	27.08 0.94 0.00	26.31 0.91 0.00	27.56 0.93 0.00	28.84 0.97 0.00	39.02 1.43 0.00	44.55 1.76 0.00	39.14 1.43 0.00	33.34 1.13 0.00	30.67 1.01 0.00	29.74 0.98 0.00	29.13 0.93 0.00	29.76 0.98 0.00	31.01 1.02 0.00	32.59 1.07 0.00	37.62 1.34 0.00	45.79 1.89 0.00	40.98 1.50 0.00	38.76 1.45 0.00	33.85 1.14 0.00	31.78 1.10 0.00	29.39 0.99 0.00	28.91 0.98 0.00
ATHENS_STG_2 23670	29.75 1.09 0.00	27.71 0.99 0.00	27.08 0.94 0.00	26.31 0.91 0.00	27.56 0.93 0.00	28.84 0.97 0.00	39.02 1.43 0.00	44.55 1.76 0.00	39.14 1.43 0.00	33.34 1.13 0.00	30.67 1.01 0.00	29.74 0.98 0.00	29.13 0.93 0.00	29.76 0.98 0.00	31.01 1.02 0.00	32.59 1.07 0.00	37.62 1.34 0.00	45.79 1.89 0.00	40.98 1.50 0.00	38.76 1.45 0.00	33.85 1.14 0.00	31.78 1.10 0.00	29.39 0.99 0.00	28.91 0.98 0.00
ATHENS_STG_3 23677	29.75 1.09 0.00	27.71 0.99 0.00	27.08 0.94 0.00	26.31 0.91 0.00	27.56 0.93 0.00	28.84 0.97 0.00	39.02 1.43 0.00	44.55 1.76 0.00	39.14 1.43 0.00	33.34 1.13 0.00	30.67 1.01 0.00	29.74 0.98 0.00	29.13 0.93 0.00	29.76 0.98 0.00	31.01 1.02 0.00	32.59 1.07 0.00	37.62 1.34 0.00	45.79 1.89 0.00	40.98 1.50 0.00	38.76 1.45 0.00	33.85 1.14 0.00	31.78 1.10 0.00	29.39 0.99 0.00	28.91 0.98 0.00
AUBURN___LFGE 323710	28.46 -0.20 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.20 -0.20 0.00	26.44 -0.19 0.00	27.73 -0.14 0.00	37.26 -0.34 0.00	42.45 -0.34 0.00	37.44 -0.26 0.00	32.12 -0.10 0.00	29.54 -0.12 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.67 -0.12 0.00	29.84 -0.15 0.00	31.36 -0.16 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.25 -0.24 0.00	37.00 -0.30 0.00	32.57 -0.13 0.00	30.46 -0.21 0.00	28.17 -0.23 0.00	27.69 -0.25 0.00
BABYLON_RES_REC 323704	33.06 2.47 -1.93	28.96 2.24 0.00	28.88 2.12 -0.62	28.58 2.08 -1.10	29.75 2.16 -0.96	33.94 2.26 -3.82	40.98 3.38 0.00	50.06 4.15 -3.12	43.03 3.47 -1.86	35.02 2.80 0.00	32.01 2.34 0.00	30.98 2.21 0.00	30.23 2.03 0.00	30.97 2.19 0.00	32.48 2.49 0.00	35.28 2.74 -1.03	40.40 3.01 -1.12	52.77 4.04 -4.83	48.07 3.28 -5.31	46.68 3.13 -6.25	43.98 2.52 -8.76	39.79 2.42 -6.69	30.82 2.33 -0.09	30.31 2.37 0.00
BABYLON___69_KV_BK2 356345	33.32 2.72 -1.93	29.18 2.46 0.00	29.17 2.41 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.33 2.65 -3.82	41.54 3.95 0.00	50.70 4.79 -3.12	43.64 4.07 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.27 2.50 0.00	30.60 2.40 0.00	31.20 2.42 0.00	32.75 2.76 0.00	35.76 3.21 -1.03	41.27 3.88 -1.12	53.91 5.18 -4.83	48.98 4.19 -5.31	47.58 4.03 -6.25	44.80 3.34 -8.76	40.50 3.13 -6.69	31.33 2.84 -0.09	30.62 2.68 0.00
BALL_HILL_WT_PWR 323825	27.40 -1.26 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.36 -1.04 0.00	25.56 -1.07 0.00	27.06 -0.81 0.00	35.45 -2.14 0.00	39.50 -3.29 0.00	35.18 -2.53 0.00	30.48 -1.74 0.00	28.24 -1.42 0.00	27.38 -1.38 0.00	27.07 -1.13 0.00	27.40 -1.38 0.00	28.37 -1.62 0.00	29.69 -1.83 0.00	33.88 -2.40 0.00	41.01 -2.90 0.00	36.72 -2.76 0.00	34.65 -2.65 0.00	31.10 -1.60 0.00	29.05 -1.63 0.00	27.09 -1.31 0.00	26.90 -1.03 0.00
BARON_WINDS___WT_PWR 323822	27.86 -0.80 0.00	26.10 -0.61 0.00	25.52 -0.63 0.00	24.79 -0.61 0.00	26.06 -0.56 0.00	27.50 -0.36 0.00	36.58 -1.01 0.00	41.08 -1.71 0.00	36.46 -1.24 0.00	31.31 -0.90 0.00	28.92 -0.74 0.00	27.99 -0.78 0.00	27.58 -0.62 0.00	28.07 -0.72 0.00	29.18 -0.81 0.00	30.60 -0.92 0.00	35.08 -1.20 0.00	42.54 -1.36 0.00	38.10 -1.38 0.00	35.96 -1.34 0.00	31.98 -0.72 0.00	29.85 -0.83 0.00	27.75 -0.65 0.00	27.44 -0.50 0.00
BARRETT_IC_1 23704	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_10 23701	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_11 23702	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_12 23703	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_2 23705	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_3 23706	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_4 23707	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00



BARRETT_IC_5 23708	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_6 23709	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_7 23710	32.63 2.04 -1.93	28.59 1.87 0.00	28.54 1.78 -0.62	28.25 1.75 -1.10	29.37 1.78 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.42 2.87 -1.85	34.50 2.29 0.00	31.53 1.87 0.00	30.55 1.78 0.00	29.95 1.75 0.00	30.51 1.73 0.00	31.94 1.95 0.00	34.75 2.21 -1.02	40.11 2.72 -1.11	52.28 3.56 -4.82	47.67 2.88 -5.31	46.34 2.80 -6.24	43.72 2.26 -8.76	39.54 2.18 -6.69	30.44 1.96 -0.08	29.81 1.87 0.00
BARRETT_IC_8 23711	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT_IC_9 23700	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT___1 23545	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BARRETT___2 23546	32.71 2.12 -1.93	28.69 1.98 0.00	28.60 1.83 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.52 1.84 -3.82	40.30 2.71 0.00	49.33 3.42 -3.11	42.35 2.79 -1.85	34.57 2.35 0.00	31.56 1.90 0.00	30.58 1.81 0.00	29.86 1.66 0.00	30.57 1.79 0.00	31.97 1.98 0.00	34.72 2.17 -1.02	40.11 2.72 -1.11	52.24 3.51 -4.82	47.67 2.88 -5.31	46.37 2.83 -6.24	43.72 2.25 -8.76	39.54 2.18 -6.69	30.35 1.87 -0.08	29.81 1.87 0.00
BATAVIA__115KV_TB1 55881	27.43 -1.23 0.00	25.68 -1.04 0.00	25.05 -1.10 0.00	24.23 -1.17 0.00	25.43 -1.20 0.00	26.92 -0.95 0.00	35.19 -2.41 0.00	39.54 -3.25 0.00	34.99 -2.71 0.00	30.70 -1.51 0.00	28.36 -1.31 0.00	27.44 -1.32 0.00	26.96 -1.24 0.00	27.52 -1.27 0.00	28.46 -1.53 0.00	29.91 -1.61 0.00	34.10 -2.18 0.00	41.31 -2.59 0.00	36.88 -2.61 0.00	34.80 -2.50 0.00	31.30 -1.41 0.00	29.12 -1.56 0.00	26.98 -1.42 0.00	26.82 -1.12 0.00
BAYONEEC___CTG1 323682	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG10 323750	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG2 323683	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG3 323684	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG4 323685	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG5 323686	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG6 323687	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00



BAYONEEC___CTG7 323688	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG8 323689	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BAYONEEC___CTG9 323749	30.52 1.86 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.17 1.54 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.05 3.25 0.00	40.27 2.57 0.00	34.41 2.19 0.00	31.56 1.90 0.00	30.63 1.87 0.00	29.98 1.78 0.00	30.66 1.87 0.00	31.91 1.92 0.00	33.57 2.05 0.00	38.86 2.58 -0.01	47.34 3.43 -0.01	42.17 2.69 0.00	39.99 2.69 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.70 1.76 0.00
BEACON___LESR 323632	29.78 1.12 0.00	27.73 1.02 0.00	27.14 0.99 0.00	26.39 0.99 0.00	27.61 0.99 0.00	28.95 1.09 0.00	39.14 1.54 0.00	44.68 1.88 0.00	39.25 1.55 0.00	33.37 1.16 0.00	30.73 1.07 0.00	29.80 1.03 0.00	29.16 0.96 0.00	29.76 0.98 0.00	31.10 1.11 0.00	32.62 1.10 0.00	37.65 1.38 0.00	45.83 1.93 0.00	41.06 1.58 0.00	38.83 1.53 0.00	33.88 1.18 0.00	31.82 1.14 0.00	29.48 1.08 0.00	28.89 0.95 0.00
BEAVER RIVER___HYD 24048	27.95 -0.72 0.00	26.02 -0.69 0.00	25.46 -0.68 0.00	24.71 -0.68 0.00	25.93 -0.69 0.00	27.25 -0.61 0.00	37.22 -0.38 0.00	42.37 -0.43 0.00	37.33 -0.38 0.00	31.86 -0.35 0.00	29.25 -0.42 0.00	28.30 -0.46 0.00	27.75 -0.45 0.00	28.38 -0.40 0.00	29.57 -0.42 0.00	31.23 -0.28 0.00	35.91 -0.36 0.00	43.55 -0.35 0.00	39.21 -0.27 0.00	36.93 -0.37 0.00	32.38 -0.33 0.00	30.28 -0.40 0.00	27.89 -0.51 0.00	27.30 -0.64 0.00
BEEBEE_GT_13 23619	27.57 -1.09 0.00	25.76 -0.96 0.00	25.18 -0.97 0.00	24.36 -1.04 0.00	25.56 -1.07 0.00	26.92 -0.95 0.00	35.57 -2.03 0.00	40.19 -2.61 0.00	35.52 -2.19 0.00	30.89 -1.32 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.13 -1.07 0.00	27.72 -1.07 0.00	28.70 -1.29 0.00	30.19 -1.32 0.00	34.50 -1.78 0.00	41.75 -2.15 0.00	37.39 -2.09 0.00	35.29 -2.01 0.00	31.46 -1.24 0.00	29.33 -1.35 0.00	27.15 -1.25 0.00	26.85 -1.09 0.00
BENSHRST_27_KV_BENSHRST_1 355998	30.75 2.09 0.00	28.53 1.82 0.00	27.87 1.73 0.00	27.05 1.65 0.00	28.33 1.70 0.00	29.65 1.78 0.00	40.41 2.82 0.00	46.43 3.64 0.00	40.76 3.05 0.00	34.82 2.61 0.00	31.89 2.22 0.00	30.98 2.21 0.00	30.34 2.14 0.00	30.92 2.13 0.00	32.27 2.28 0.00	33.95 2.43 0.00	39.30 3.01 -0.02	64.87 4.08 -16.88	136.61 3.24 -93.88	40.45 3.10 -0.06	66.39 2.52 -31.17	35.58 2.55 -2.36	30.59 2.19 0.00	30.01 2.07 -0.01
BETHLEHEM___GRP 23843	29.15 0.49 0.00	27.15 0.43 0.00	26.54 0.39 0.00	25.86 0.46 0.00	27.00 0.37 0.00	28.37 0.50 0.00	38.27 0.68 0.00	43.65 0.86 0.00	38.42 0.72 0.00	32.63 0.42 0.00	30.05 0.39 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.22 0.43 0.00	30.44 0.45 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.16 0.67 0.00	37.94 0.63 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.94 0.54 0.00	28.36 0.42 0.00
BETHLEHEM___GS1 323560	29.21 0.54 0.00	27.20 0.48 0.00	26.64 0.50 0.00	25.93 0.53 0.00	27.10 0.48 0.00	28.34 0.47 0.00	38.23 0.64 0.00	43.65 0.86 0.00	38.35 0.64 0.00	32.63 0.42 0.00	30.11 0.45 0.00	29.20 0.43 0.00	28.62 0.42 0.00	29.19 0.40 0.00	30.47 0.48 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.20 0.71 0.00	37.97 0.67 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.91 0.51 0.00	28.36 0.42 0.00
BETHLEHEM___GS2 323561	29.21 0.54 0.00	27.20 0.48 0.00	26.64 0.50 0.00	25.93 0.53 0.00	27.10 0.48 0.00	28.34 0.47 0.00	38.23 0.64 0.00	43.65 0.86 0.00	38.35 0.64 0.00	32.63 0.42 0.00	30.11 0.45 0.00	29.20 0.43 0.00	28.62 0.42 0.00	29.19 0.40 0.00	30.47 0.48 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.20 0.71 0.00	37.97 0.67 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.91 0.51 0.00	28.36 0.42 0.00
BETHLEHEM___GS3 323562	29.21 0.54 0.00	27.20 0.48 0.00	26.64 0.50 0.00	25.93 0.53 0.00	27.10 0.48 0.00	28.34 0.47 0.00	38.23 0.64 0.00	43.65 0.86 0.00	38.35 0.64 0.00	32.63 0.42 0.00	30.11 0.45 0.00	29.20 0.43 0.00	28.62 0.42 0.00	29.19 0.40 0.00	30.47 0.48 0.00	31.96 0.44 0.00	36.85 0.58 0.00	44.83 0.92 0.00	40.20 0.71 0.00	37.97 0.67 0.00	33.16 0.46 0.00	31.14 0.46 0.00	28.91 0.51 0.00	28.36 0.42 0.00
BETHLEHEM___STEEL 23779	27.26 -1.40 0.00	25.60 -1.12 0.00	24.97 -1.18 0.00	24.18 -1.22 0.00	25.37 -1.25 0.00	26.84 -1.03 0.00	34.96 -2.63 0.00	39.03 -3.77 0.00	34.50 -3.21 0.00	30.38 -1.84 0.00	28.06 -1.60 0.00	27.24 -1.52 0.00	26.76 -1.44 0.00	27.26 -1.53 0.00	28.16 -1.83 0.00	29.50 -2.02 0.00	33.66 -2.61 0.00	40.79 -3.12 0.00	36.33 -3.16 0.00	34.39 -2.91 0.00	30.94 -1.77 0.00	28.90 -1.78 0.00	26.81 -1.59 0.00	26.79 -1.15 0.00
BETHLHEM_115KV_TB1 79974	29.24 0.57 0.00	27.20 0.48 0.00	26.62 0.47 0.00	25.91 0.51 0.00	27.08 0.45 0.00	28.42 0.56 0.00	38.38 0.79 0.00	43.74 0.94 0.00	38.54 0.83 0.00	32.73 0.52 0.00	30.14 0.47 0.00	29.22 0.46 0.00	28.68 0.48 0.00	29.27 0.49 0.00	30.53 0.54 0.00	32.02 0.50 0.00	36.93 0.65 0.00	44.92 1.01 0.00	40.27 0.79 0.00	38.05 0.75 0.00	33.26 0.56 0.00	31.23 0.55 0.00	29.00 0.60 0.00	28.44 0.50 0.00
BETHPAGE_CC_5 323564	32.94 2.35 -1.93	28.86 2.14 0.00	28.78 2.01 -0.62	28.46 1.96 -1.10	29.61 2.02 -0.96	33.80 2.12 -3.82	40.64 3.04 0.00	49.63 3.72 -3.12	42.66 3.09 -1.86	34.79 2.58 0.00	31.80 2.14 0.00	30.81 2.04 0.00	30.09 1.89 0.00	30.80 2.01 0.00	32.27 2.28 0.00	35.00 2.46 -1.03	40.36 2.98 -1.12	52.73 3.99 -4.83	48.04 3.24 -5.31	46.68 3.13 -6.25	43.95 2.48 -8.76	39.73 2.36 -6.69	30.59 2.10 -0.09	30.17 2.24 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	27.34 -1.32 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.95 -0.92 0.00	35.15 -2.44 0.00	39.29 -3.51 0.00	34.73 -2.98 0.00	30.51 -1.71 0.00	28.21 -1.45 0.00	27.38 -1.38 0.00	26.90 -1.30 0.00	27.40 -1.38 0.00	28.31 -1.68 0.00	29.66 -1.86 0.00	33.84 -2.43 0.00	41.05 -2.85 0.00	36.56 -2.92 0.00	34.58 -2.72 0.00	31.10 -1.60 0.00	29.02 -1.66 0.00	26.95 -1.45 0.00	26.93 -1.01 0.00



BINGHAMTON___COGEN 23790	28.66 0.00 0.00	26.77 0.05 0.00	26.17 0.03 0.00	25.40 0.00 0.00	26.63 0.00 0.00	27.98 0.11 0.00	37.56 -0.04 0.00	42.58 -0.21 0.00	37.52 -0.19 0.00	32.15 -0.06 0.00	29.60 -0.06 0.00	28.68 -0.09 0.00	28.14 -0.06 0.00	28.73 -0.06 0.00	29.90 -0.09 0.00	31.39 -0.13 0.00	36.13 -0.15 0.00	43.91 0.00 0.00	39.29 -0.20 0.00	37.12 -0.19 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.34 -0.06 0.00	27.94 0.00 0.00
BIXINCNT_115KV_LOAD 355685	27.09 -1.58 0.00	25.41 -1.31 0.00	24.86 -1.28 0.00	24.20 -1.19 0.00	25.51 -1.12 0.00	27.14 -0.72 0.00	35.72 -1.88 0.00	39.93 -2.87 0.00	35.37 -2.34 0.00	30.93 -1.29 0.00	28.57 -1.10 0.00	27.70 -1.06 0.00	27.30 -0.90 0.00	27.75 -1.04 0.00	28.70 -1.29 0.00	30.04 -1.48 0.00	34.31 -1.96 0.00	41.89 -2.02 0.00	37.23 -2.25 0.00	35.14 -2.16 0.00	31.49 -1.21 0.00	29.42 -1.26 0.00	27.29 -1.11 0.00	27.27 -0.67 0.00
BLACK RIVER___HYD 24047	28.00 -0.66 0.00	26.05 -0.67 0.00	25.46 -0.68 0.00	24.71 -0.68 0.00	25.93 -0.69 0.00	27.25 -0.61 0.00	37.26 -0.34 0.00	42.50 -0.30 0.00	37.37 -0.34 0.00	31.86 -0.35 0.00	29.25 -0.42 0.00	28.27 -0.49 0.00	27.72 -0.48 0.00	28.38 -0.40 0.00	29.57 -0.42 0.00	31.30 -0.22 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.37 -0.12 0.00	37.04 -0.26 0.00	32.44 -0.26 0.00	30.34 -0.34 0.00	27.92 -0.48 0.00	27.30 -0.64 0.00
BLACKRVR_115KV_TB2 79977	28.03 -0.63 0.00	26.08 -0.64 0.00	25.49 -0.65 0.00	24.74 -0.66 0.00	25.96 -0.67 0.00	27.25 -0.61 0.00	37.26 -0.34 0.00	42.45 -0.34 0.00	37.33 -0.38 0.00	31.86 -0.35 0.00	29.22 -0.44 0.00	28.28 -0.49 0.00	27.69 -0.51 0.00	28.38 -0.40 0.00	29.57 -0.42 0.00	31.27 -0.25 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.40 -0.08 0.00	37.04 -0.26 0.00	32.44 -0.26 0.00	30.34 -0.34 0.00	27.92 -0.48 0.00	27.29 -0.64 0.00
BLISS_WT_PWR 323608	27.00 -1.66 0.00	25.30 -1.42 0.00	24.76 -1.39 0.00	24.21 -1.19 0.00	25.56 -1.07 0.00	27.20 -0.67 0.00	35.90 -1.69 0.00	40.06 -2.74 0.00	35.74 -1.96 0.00	30.86 -1.35 0.00	28.54 -1.13 0.00	27.67 -1.09 0.00	27.44 -0.76 0.00	27.75 -1.04 0.00	28.79 -1.20 0.00	30.10 -1.42 0.00	34.31 -1.96 0.00	41.89 -2.02 0.00	37.35 -2.13 0.00	35.18 -2.12 0.00	31.46 -1.24 0.00	29.36 -1.32 0.00	27.38 -1.02 0.00	27.24 -0.70 0.00
BLUESTONE___WT_PWR 323821	30.32 1.66 0.00	28.24 1.52 0.00	27.56 1.41 0.00	26.77 1.37 0.00	28.14 1.52 0.00	29.65 1.79 0.00	40.38 2.78 0.00	45.92 3.12 0.00	40.31 2.60 0.00	34.28 2.06 0.00	31.50 1.84 0.00	30.52 1.75 0.00	29.89 1.69 0.00	30.63 1.84 0.00	31.91 1.92 0.00	33.60 2.08 0.00	38.70 2.43 0.00	47.24 3.34 0.00	42.41 2.92 0.00	39.87 2.57 0.00	34.99 2.29 0.00	32.74 2.06 0.00	30.13 1.73 0.00	29.56 1.62 0.00
BLUE_CIRC_CHEM_DRP 24182	29.61 0.95 0.00	27.57 0.85 0.00	26.98 0.84 0.00	26.24 0.84 0.00	27.45 0.83 0.00	28.81 0.95 0.00	38.87 1.28 0.00	44.25 1.46 0.00	38.91 1.21 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.96 0.76 0.00	29.59 0.81 0.00	30.86 0.87 0.00	32.40 0.88 0.00	37.33 1.05 0.00	45.35 1.45 0.00	40.71 1.22 0.00	38.46 1.16 0.00	33.65 0.95 0.00	31.60 0.92 0.00	29.31 0.91 0.00	28.78 0.84 0.00
BOC_GAS_DRP 24189	29.38 0.72 0.00	27.36 0.64 0.00	26.75 0.60 0.00	26.01 0.61 0.00	27.21 0.59 0.00	28.54 0.67 0.00	38.54 0.94 0.00	43.95 1.16 0.00	38.69 0.98 0.00	32.92 0.71 0.00	30.32 0.65 0.00	29.40 0.63 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.68 0.69 0.00	32.21 0.69 0.00	37.11 0.83 0.00	45.13 1.23 0.00	40.43 0.95 0.00	38.23 0.93 0.00	33.42 0.72 0.00	31.39 0.71 0.00	29.08 0.68 0.00	28.58 0.64 0.00
BOONVILLE_115KV_TB1 79983	28.95 0.29 0.00	26.96 0.24 0.00	26.35 0.21 0.00	25.58 0.18 0.00	26.86 0.24 0.00	28.20 0.33 0.00	38.38 0.79 0.00	43.74 0.94 0.00	38.50 0.79 0.00	32.83 0.61 0.00	30.17 0.50 0.00	29.22 0.46 0.00	28.62 0.42 0.00	29.27 0.49 0.00	30.50 0.51 0.00	32.15 0.63 0.00	37.00 0.73 0.00	44.92 1.01 0.00	40.35 0.87 0.00	38.01 0.71 0.00	33.29 0.59 0.00	31.17 0.49 0.00	28.74 0.34 0.00	28.16 0.22 0.00
BORALEX_4TH_BRANCH 23824	30.35 1.69 0.00	28.24 1.52 0.00	27.61 1.46 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.51 1.64 0.00	39.89 2.29 0.00	45.49 2.70 0.00	40.04 2.34 0.00	33.89 1.68 0.00	31.26 1.60 0.00	30.29 1.52 0.00	29.69 1.49 0.00	30.31 1.53 0.00	31.64 1.65 0.00	33.22 1.70 0.00	38.31 2.03 0.00	46.63 2.72 0.00	41.77 2.29 0.00	39.50 2.20 0.00	34.53 1.83 0.00	32.43 1.75 0.00	30.02 1.62 0.00	29.53 1.59 0.00
BOWLINE___1 23526	30.32 1.66 0.00	28.21 1.50 0.00	27.53 1.38 0.00	26.74 1.35 0.00	28.01 1.38 0.00	29.29 1.42 0.00	39.81 2.22 0.00	45.62 2.82 0.00	40.01 2.30 0.00	34.08 1.87 0.00	31.29 1.63 0.00	30.34 1.58 0.00	29.69 1.49 0.00	30.34 1.55 0.00	31.64 1.65 0.00	33.28 1.76 0.00	38.49 2.21 0.00	46.93 3.03 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.53 1.83 0.00	32.43 1.75 0.00	29.93 1.53 0.00	29.47 1.54 0.00
BOWLINE___2 23595	30.32 1.66 0.00	28.21 1.50 0.00	27.53 1.38 0.00	26.77 1.37 0.00	28.04 1.41 0.00	29.32 1.45 0.00	39.81 2.22 0.00	45.62 2.82 0.00	40.01 2.30 0.00	34.12 1.90 0.00	31.29 1.63 0.00	30.34 1.58 0.00	29.72 1.52 0.00	30.37 1.58 0.00	31.64 1.65 0.00	33.28 1.76 0.00	38.52 2.25 0.00	46.93 3.03 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.53 1.83 0.00	32.43 1.75 0.00	29.93 1.53 0.00	29.47 1.54 0.00
BRADY___115KV_TB2 356060	28.46 -0.20 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.32 -0.08 0.00	26.63 0.00 0.00	27.90 0.03 0.00	37.90 0.30 0.00	42.92 0.13 0.00	38.01 0.30 0.00	32.60 0.39 0.00	30.08 0.42 0.00	29.11 0.35 0.00	28.57 0.37 0.00	29.13 0.35 0.00	30.35 0.36 0.00	31.96 0.44 0.00	36.64 0.36 0.00	43.86 -0.04 0.00	40.00 0.51 0.00	37.75 0.45 0.00	33.09 0.39 0.00	31.02 0.34 0.00	28.66 0.26 0.00	28.13 0.20 0.00
BRANSCOMB___SOLAR 323811	30.30 1.63 0.00	28.24 1.52 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.14 1.52 0.00	29.57 1.70 0.00	39.97 2.37 0.00	45.49 2.70 0.00	39.93 2.22 0.00	33.83 1.61 0.00	31.06 1.39 0.00	30.12 1.35 0.00	29.50 1.30 0.00	30.20 1.41 0.00	31.52 1.53 0.00	33.12 1.61 0.00	38.23 1.96 0.00	46.54 2.63 0.00	41.81 2.33 0.00	39.46 2.16 0.00	34.47 1.76 0.00	32.34 1.66 0.00	29.88 1.48 0.00	29.47 1.54 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	33.17 2.58 -1.93	29.02 2.30 0.00	29.07 2.30 -0.62	28.74 2.24 -1.10	29.91 2.32 -0.96	34.19 2.51 -3.82	41.36 3.76 0.00	50.49 4.58 -3.12	43.49 3.92 -1.86	35.18 2.96 0.00	32.10 2.43 0.00	31.09 2.33 0.00	30.46 2.26 0.00	31.06 2.27 0.00	32.57 2.58 0.00	35.60 3.06 -1.03	41.09 3.70 -1.12	53.69 4.96 -4.83	48.79 3.99 -5.31	47.39 3.84 -6.25	44.64 3.17 -8.76	40.37 3.01 -6.69	31.19 2.70 -0.09	30.48 2.54 0.00



BRISTLHL_115KV_TB1 79998	28.00 -0.66 0.00	26.13 -0.59 0.00	25.54 -0.60 0.00	24.79 -0.61 0.00	26.01 -0.61 0.00	27.14 -0.72 0.00	36.51 -1.09 0.00	41.56 -1.24 0.00	36.61 -1.09 0.00	31.35 -0.87 0.00	28.86 -0.80 0.00	27.96 -0.81 0.00	27.41 -0.79 0.00	28.01 -0.78 0.00	29.18 -0.81 0.00	30.67 -0.85 0.00	35.26 -1.02 0.00	42.81 -1.10 0.00	38.38 -1.11 0.00	36.22 -1.08 0.00	31.82 -0.88 0.00	29.82 -0.86 0.00	27.60 -0.80 0.00	27.13 -0.81 0.00
BROOKHAVEN___DRP 24191	33.14 2.55 -1.93	28.96 2.24 0.00	29.22 2.46 -0.62	28.89 2.39 -1.10	30.04 2.45 -0.96	34.42 2.73 -3.82	41.73 4.14 0.00	50.88 4.96 -3.11	43.83 4.26 -1.86	35.40 3.19 0.00	32.30 2.64 0.00	31.27 2.50 0.00	30.57 2.37 0.00	31.17 2.39 0.00	32.78 2.79 0.00	35.85 3.31 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	48.90 4.11 -5.31	47.54 3.99 -6.25	44.93 3.47 -8.76	40.68 3.31 -6.69	31.44 2.95 -0.09	30.70 2.77 0.00
BROOKLYN_NAVY_YARD 23515	30.47 1.81 0.00	28.35 1.63 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.40 1.53 0.00	40.08 2.48 0.00	46.09 3.30 0.00	40.35 2.64 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.03 1.83 0.00	30.68 1.90 0.00	31.94 1.95 0.00	33.60 2.08 0.00	38.93 2.65 -0.01	47.43 3.51 -0.01	42.25 2.76 0.00	40.06 2.76 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.19 1.79 0.00	29.67 1.73 0.00
BROOKLYN___ARMY_DRP 323595	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
BROOKVLE_69_KV_TB1 55790	32.94 2.35 -1.93	28.83 2.11 0.00	28.78 2.01 -0.62	28.46 1.96 -1.10	29.59 2.00 -0.96	33.86 2.17 -3.82	40.79 3.20 0.00	49.89 3.98 -3.11	42.92 3.36 -1.85	34.95 2.74 0.00	31.98 2.31 0.00	31.01 2.24 0.00	30.37 2.17 0.00	30.97 2.19 0.00	32.42 2.43 0.00	35.16 2.62 -1.02	40.65 3.26 -1.11	53.03 4.30 -4.82	48.27 3.47 -5.31	46.90 3.36 -6.24	44.18 2.71 -8.76	39.94 2.58 -6.69	30.84 2.36 -0.08	30.20 2.26 0.00
BROOME_2_LFGE 323671	28.69 0.03 0.00	26.80 0.08 0.00	26.17 0.03 0.00	25.42 0.03 0.00	26.68 0.05 0.00	28.01 0.14 0.00	37.60 0.00 0.00	42.63 -0.17 0.00	37.63 -0.08 0.00	32.15 -0.06 0.00	29.60 -0.06 0.00	28.71 -0.06 0.00	28.17 -0.03 0.00	28.76 -0.03 0.00	29.93 -0.06 0.00	31.42 -0.09 0.00	36.13 -0.14 0.00	43.91 0.00 0.00	39.37 -0.12 0.00	37.15 -0.15 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.37 -0.03 0.00	27.97 0.03 0.00
BROOME___LFGE 323600	28.69 0.03 0.00	26.80 0.08 0.00	26.17 0.03 0.00	25.42 0.03 0.00	26.68 0.05 0.00	28.01 0.14 0.00	37.60 0.00 0.00	42.63 -0.17 0.00	37.63 -0.08 0.00	32.15 -0.06 0.00	29.60 -0.06 0.00	28.71 -0.06 0.00	28.17 -0.03 0.00	28.76 -0.03 0.00	29.93 -0.06 0.00	31.42 -0.09 0.00	36.13 -0.14 0.00	43.91 0.00 0.00	39.37 -0.12 0.00	37.15 -0.15 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.37 -0.03 0.00	27.97 0.03 0.00
BROWNFLS_115KV_TB_3_5 80003	27.60 -1.06 0.00	25.73 -0.99 0.00	25.23 -0.92 0.00	24.48 -0.91 0.00	25.72 -0.91 0.00	26.98 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.91 -0.79 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.60 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.85 -0.63 0.00	36.59 -0.71 0.00	32.05 -0.65 0.00	30.00 -0.67 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00
BROWNSV1_27_KV_LOAD 356125	30.67 2.01 0.00	28.48 1.76 0.00	27.82 1.67 0.00	27.02 1.63 0.00	28.28 1.65 0.00	29.62 1.76 0.00	40.41 2.82 0.00	46.43 3.64 0.00	40.69 2.98 0.00	34.73 2.51 0.00	31.83 2.17 0.00	30.92 2.16 0.00	30.29 2.09 0.00	30.86 2.07 0.00	32.21 2.22 0.00	33.85 2.33 0.00	39.22 2.94 -0.01	47.78 3.86 -0.01	42.52 3.04 0.00	40.32 3.02 0.00	35.06 2.35 0.00	33.01 2.33 0.00	30.44 2.04 0.00	29.92 1.98 0.00
BURROWS___LYONSDAL 23803	28.72 0.06 0.00	26.74 0.03 0.00	26.14 0.00 0.00	25.40 0.00 0.00	26.65 0.03 0.00	28.01 0.14 0.00	38.12 0.53 0.00	43.44 0.64 0.00	38.23 0.53 0.00	32.60 0.39 0.00	29.96 0.30 0.00	29.02 0.26 0.00	28.43 0.23 0.00	29.07 0.29 0.00	30.29 0.30 0.00	31.93 0.41 0.00	36.75 0.47 0.00	44.61 0.70 0.00	40.12 0.63 0.00	37.79 0.48 0.00	33.06 0.36 0.00	30.96 0.28 0.00	28.54 0.14 0.00	27.97 0.03 0.00
CAITHNESS_CC_1 323624	33.17 2.58 -1.93	29.04 2.32 0.00	29.17 2.40 -0.62	28.86 2.36 -1.10	30.04 2.45 -0.96	34.31 2.62 -3.82	41.58 3.98 0.00	50.70 4.79 -3.11	43.60 4.04 -1.86	35.41 3.19 0.00	32.33 2.67 0.00	31.24 2.47 0.00	30.43 2.23 0.00	31.20 2.42 0.00	32.81 2.82 0.00	35.73 3.18 -1.03	40.95 3.56 -1.12	53.61 4.87 -4.83	48.71 3.91 -5.31	47.43 3.88 -6.25	44.86 3.40 -8.76	40.56 3.19 -6.69	31.22 2.73 -0.09	30.68 2.74 0.00
CALPINE BETH_PAGE_GT4 24209	32.83 2.24 -1.93	28.69 1.98 0.00	28.68 1.91 -0.62	28.36 1.85 -1.10	29.48 1.89 -0.96	33.75 2.06 -3.82	40.60 3.01 0.00	49.63 3.72 -3.11	42.73 3.17 -1.86	34.70 2.48 0.00	31.74 2.08 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.74 1.96 0.00	32.18 2.19 0.00	35.00 2.46 -1.03	40.44 3.05 -1.12	52.81 4.08 -4.83	48.07 3.28 -5.31	46.68 3.13 -6.24	43.98 2.52 -8.76	39.76 2.39 -6.69	30.67 2.19 -0.09	30.06 2.12 0.00
CALPINE_BETH_PAGE_GT_4 323586	32.89 2.29 -1.93	28.80 2.09 0.00	28.70 1.93 -0.62	28.41 1.91 -1.10	29.56 1.97 -0.96	33.75 2.06 -3.82	40.61 3.01 0.00	49.63 3.72 -3.11	42.62 3.05 -1.86	34.76 2.54 0.00	31.80 2.14 0.00	30.78 2.01 0.00	30.06 1.86 0.00	30.80 2.01 0.00	32.24 2.25 0.00	35.00 2.46 -1.03	40.40 3.01 -1.12	52.77 4.04 -4.83	48.07 3.28 -5.31	46.72 3.17 -6.24	43.98 2.52 -8.76	39.76 2.39 -6.69	30.59 2.10 -0.09	30.12 2.18 0.00
CALPINE_BP_GT1 23823	32.89 2.29 -1.93	28.80 2.09 0.00	28.70 1.93 -0.62	28.41 1.91 -1.10	29.56 1.97 -0.96	33.75 2.06 -3.82	40.61 3.01 0.00	49.63 3.72 -3.11	42.62 3.05 -1.86	34.76 2.54 0.00	31.80 2.14 0.00	30.78 2.01 0.00	30.06 1.86 0.00	30.80 2.01 0.00	32.24 2.25 0.00	35.00 2.46 -1.03	40.40 3.01 -1.12	52.77 4.04 -4.83	48.07 3.28 -5.31	46.72 3.17 -6.24	43.98 2.52 -8.76	39.76 2.39 -6.69	30.59 2.10 -0.09	30.12 2.18 0.00
CALSPAN___DRP 24200	27.26 -1.40 0.00	25.60 -1.12 0.00	24.97 -1.18 0.00	24.18 -1.22 0.00	25.37 -1.25 0.00	26.84 -1.03 0.00	34.96 -2.63 0.00	39.03 -3.77 0.00	34.50 -3.21 0.00	30.38 -1.84 0.00	28.06 -1.60 0.00	27.24 -1.52 0.00	26.76 -1.44 0.00	27.26 -1.53 0.00	28.16 -1.83 0.00	29.50 -2.02 0.00	33.66 -2.61 0.00	40.79 -3.12 0.00	36.33 -3.16 0.00	34.39 -2.91 0.00	30.94 -1.77 0.00	28.90 -1.78 0.00	26.81 -1.59 0.00	26.79 -1.15 0.00



CALVERTON___SOLAR 323806	33.29 2.69 -1.93	29.15 2.43 0.00	29.36 2.59 -0.62	29.04 2.54 -1.10	30.23 2.64 -0.96	34.53 2.84 -3.82	41.92 4.32 0.00	51.09 5.18 -3.11	43.94 4.37 -1.86	35.63 3.41 0.00	32.54 2.88 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.38 2.59 0.00	33.02 3.03 0.00	35.98 3.44 -1.03	41.13 3.74 -1.12	53.91 5.18 -4.83	48.98 4.18 -5.31	47.69 4.14 -6.25	45.19 3.73 -8.76	40.83 3.47 -6.69	31.44 2.95 -0.09	30.90 2.96 0.00
CANDIGU_WT_PWR 323617	27.86 -0.80 0.00	26.10 -0.61 0.00	25.52 -0.63 0.00	24.79 -0.61 0.00	26.06 -0.56 0.00	27.50 -0.36 0.00	36.58 -1.01 0.00	41.08 -1.71 0.00	36.46 -1.24 0.00	31.31 -0.90 0.00	28.92 -0.74 0.00	27.99 -0.78 0.00	27.58 -0.62 0.00	28.07 -0.72 0.00	29.18 -0.81 0.00	30.60 -0.92 0.00	35.08 -1.20 0.00	42.54 -1.36 0.00	38.10 -1.38 0.00	35.96 -1.34 0.00	31.98 -0.72 0.00	29.85 -0.83 0.00	27.75 -0.65 0.00	27.44 -0.50 0.00
CARR STREET_E_SYR 24060	28.20 -0.46 0.00	26.29 -0.43 0.00	25.73 -0.42 0.00	24.99 -0.41 0.00	26.17 -0.45 0.00	27.34 -0.53 0.00	36.66 -0.94 0.00	41.73 -1.07 0.00	36.80 -0.91 0.00	31.48 -0.74 0.00	29.07 -0.59 0.00	28.19 -0.58 0.00	27.66 -0.54 0.00	28.21 -0.58 0.00	29.36 -0.63 0.00	30.76 -0.76 0.00	35.37 -0.91 0.00	42.90 -1.01 0.00	38.50 -0.99 0.00	36.33 -0.97 0.00	31.92 -0.79 0.00	30.00 -0.68 0.00	27.86 -0.54 0.00	27.38 -0.56 0.00
CARTHAGE___PAPER 23857	27.92 -0.75 0.00	25.97 -0.75 0.00	25.39 -0.76 0.00	24.64 -0.76 0.00	25.88 -0.75 0.00	27.20 -0.67 0.00	37.18 -0.41 0.00	42.37 -0.43 0.00	37.29 -0.41 0.00	31.83 -0.39 0.00	29.22 -0.44 0.00	28.25 -0.52 0.00	27.69 -0.51 0.00	28.35 -0.43 0.00	29.54 -0.45 0.00	31.23 -0.28 0.00	35.95 -0.33 0.00	43.60 -0.31 0.00	39.25 -0.24 0.00	36.97 -0.34 0.00	32.38 -0.33 0.00	30.28 -0.40 0.00	27.89 -0.51 0.00	27.27 -0.67 0.00
CASSADAGA_WT_PWR 323784	27.43 -1.23 0.00	25.60 -1.12 0.00	25.05 -1.10 0.00	24.49 -0.91 0.00	25.67 -0.96 0.00	27.25 -0.61 0.00	36.09 -1.50 0.00	40.27 -2.53 0.00	35.90 -1.81 0.00	31.12 -1.10 0.00	28.83 -0.83 0.00	27.93 -0.84 0.00	27.58 -0.62 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.29 -1.23 0.00	34.53 -1.74 0.00	42.06 -1.84 0.00	37.59 -1.89 0.00	35.48 -1.83 0.00	31.85 -0.85 0.00	29.76 -0.92 0.00	27.75 -0.65 0.00	27.55 -0.39 0.00
CE_DUNWOOD___DRP 24194	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.16 2.45 0.00	34.18 1.97 0.00	31.35 1.69 0.00	30.43 1.67 0.00	29.84 1.64 0.00	30.40 1.61 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.60 2.32 0.00	47.02 3.12 0.00	41.93 2.45 0.00	39.69 2.39 0.00	34.57 1.86 0.00	32.49 1.81 0.00	30.02 1.62 0.00	29.53 1.59 0.00
CE_MILLWOOD___DRP 24193	30.21 1.55 0.00	28.11 1.39 0.00	27.45 1.31 0.00	26.69 1.30 0.00	27.93 1.30 0.00	29.26 1.39 0.00	39.81 2.22 0.00	45.62 2.82 0.00	40.04 2.34 0.00	34.08 1.87 0.00	31.29 1.63 0.00	30.35 1.58 0.00	29.75 1.55 0.00	30.31 1.53 0.00	31.64 1.65 0.00	33.28 1.77 0.00	38.49 2.21 0.00	46.89 2.99 0.00	41.81 2.33 0.00	39.58 2.28 0.00	34.50 1.80 0.00	32.40 1.72 0.00	29.93 1.53 0.00	29.45 1.51 0.00
CE_NYC2_DRP 24202	30.58 1.92 0.00	28.40 1.68 0.00	27.74 1.59 0.00	26.95 1.55 0.00	28.22 1.60 0.00	29.54 1.67 0.00	40.19 2.59 0.00	46.13 3.34 0.00	40.50 2.79 0.00	34.57 2.35 0.00	31.68 2.02 0.00	30.78 2.01 0.00	30.15 1.95 0.00	30.71 1.93 0.00	32.06 2.07 0.00	33.69 2.17 0.00	39.01 2.72 -0.02	47.57 3.64 -0.02	42.33 2.84 0.00	40.06 2.76 0.00	34.89 2.19 0.00	32.93 2.24 -0.01	30.39 1.99 0.00	29.87 1.93 -0.01
CE_NYC_DRP 24195	30.47 1.81 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.04 3.30 0.06	40.42 2.71 0.00	34.47 2.26 0.00	31.62 1.96 0.00	30.69 1.93 0.00	30.09 1.89 0.00	30.66 1.87 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.93 2.65 -0.01	47.43 3.51 -0.01	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
CHAFFEE___LFGE 323603	27.46 -1.20 0.00	25.76 -0.96 0.00	25.15 -0.99 0.00	24.38 -1.02 0.00	25.61 -1.01 0.00	27.09 -0.78 0.00	35.45 -2.14 0.00	39.50 -3.29 0.00	35.22 -2.49 0.00	30.54 -1.68 0.00	28.27 -1.39 0.00	27.41 -1.35 0.00	27.13 -1.07 0.00	27.43 -1.35 0.00	28.43 -1.56 0.00	29.78 -1.73 0.00	33.92 -2.36 0.00	41.05 -2.85 0.00	36.76 -2.72 0.00	34.65 -2.65 0.00	31.13 -1.57 0.00	29.02 -1.66 0.00	27.09 -1.31 0.00	26.90 -1.03 0.00
CHATEAUG_35_KV_LOAD 355732	27.83 -0.83 0.00	26.08 -0.64 0.00	25.78 -0.37 0.00	25.09 -0.30 0.00	26.47 -0.16 0.00	27.62 -0.25 0.00	37.48 -0.11 0.00	42.33 -0.47 0.00	37.44 -0.26 0.00	32.57 0.35 0.00	30.08 0.42 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.16 0.37 0.00	30.44 0.45 0.00	32.15 0.63 0.00	36.85 0.58 0.00	43.95 0.04 0.00	39.76 0.28 0.00	37.79 0.48 0.00	33.19 0.49 0.00	31.11 0.43 0.00	28.77 0.37 0.00	28.55 0.61 0.00
CHATEAUG_WT_PWR 323614	27.74 -0.92 0.00	26.00 -0.72 0.00	25.70 -0.44 0.00	25.04 -0.36 0.00	26.41 -0.21 0.00	27.48 -0.39 0.00	37.29 -0.30 0.00	42.07 -0.73 0.00	37.22 -0.49 0.00	32.44 0.23 0.00	29.96 0.30 0.00	29.08 0.32 0.00	28.54 0.34 0.00	29.07 0.29 0.00	30.35 0.36 0.00	32.02 0.50 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.40 -0.08 0.00	37.12 -0.19 0.00	33.03 0.33 0.00	31.02 0.34 0.00	28.65 0.26 0.00	28.52 0.59 0.00
CHAT_HIGH_FALL_HYD 323578	27.83 -0.83 0.00	26.08 -0.64 0.00	25.78 -0.37 0.00	25.09 -0.30 0.00	26.47 -0.16 0.00	27.62 -0.25 0.00	37.48 -0.11 0.00	42.33 -0.47 0.00	37.44 -0.26 0.00	32.57 0.35 0.00	30.08 0.42 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.16 0.37 0.00	30.44 0.45 0.00	32.15 0.63 0.00	36.85 0.58 0.00	43.95 0.04 0.00	39.76 0.28 0.00	37.79 0.48 0.00	33.19 0.49 0.00	31.11 0.43 0.00	28.77 0.37 0.00	28.55 0.61 0.00
CHAUTAUQUA___LFGE 323629	27.49 -1.18 0.00	25.73 -0.99 0.00	25.15 -0.99 0.00	24.46 -0.94 0.00	25.67 -0.96 0.00	27.20 -0.67 0.00	35.72 -1.88 0.00	39.84 -2.95 0.00	35.52 -2.19 0.00	30.77 -1.45 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.33 -0.87 0.00	27.63 -1.15 0.00	28.61 -1.38 0.00	29.97 -1.54 0.00	34.21 -2.07 0.00	41.49 -2.41 0.00	37.12 -2.37 0.00	34.99 -2.31 0.00	31.43 -1.28 0.00	29.33 -1.35 0.00	27.38 -1.02 0.00	27.16 -0.78 0.00
CHERRYST_13_KV_LD 356241	30.53 1.86 0.00	28.35 1.63 0.00	27.71 1.57 0.00	26.92 1.52 0.00	28.17 1.54 0.00	29.51 1.64 0.00	40.23 2.63 0.00	46.16 3.42 0.06	40.53 2.83 0.00	34.60 2.38 0.00	31.71 2.05 0.00	30.81 2.04 0.00	30.20 2.00 0.00	30.74 1.96 0.00	32.09 2.10 0.00	33.72 2.21 0.00	39.08 2.79 -0.01	47.61 3.69 -0.01	42.33 2.84 0.00	40.10 2.80 0.00	34.89 2.19 0.00	32.83 2.15 0.00	30.30 1.90 0.00	29.78 1.84 0.00



CHESTROR_138KV_BK263 355645	29.81 1.15 0.00	27.73 1.02 0.00	27.09 0.94 0.00	26.34 0.94 0.00	27.56 0.93 0.00	28.90 1.03 0.00	39.25 1.65 0.00	44.85 2.05 0.00	39.40 1.70 0.00	33.47 1.26 0.00	30.76 1.10 0.00	29.83 1.06 0.00	29.24 1.04 0.00	29.79 1.01 0.00	31.10 1.11 0.00	32.68 1.17 0.00	37.80 1.52 0.00	46.06 2.15 0.00	41.14 1.66 0.00	38.87 1.57 0.00	33.95 1.24 0.00	31.85 1.17 0.00	29.48 1.08 0.00	29.00 1.06 0.00
CH_MIDHUDSON___DRP 24192	30.21 1.55 0.00	28.11 1.39 0.00	27.45 1.31 0.00	26.69 1.30 0.00	27.93 1.30 0.00	29.29 1.42 0.00	39.78 2.18 0.00	45.45 2.65 0.00	39.97 2.26 0.00	33.95 1.74 0.00	31.18 1.51 0.00	30.20 1.44 0.00	29.61 1.41 0.00	30.20 1.41 0.00	31.52 1.53 0.00	33.13 1.61 0.00	38.31 2.03 0.00	46.72 2.81 0.00	41.69 2.21 0.00	39.39 2.09 0.00	34.37 1.67 0.00	32.24 1.56 0.00	29.85 1.45 0.00	29.39 1.45 0.00
CH_MISC_IPPS 23765	30.38 1.72 0.00	28.27 1.55 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	39.85 2.26 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.20 1.41 0.00	31.49 1.50 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.89 2.41 0.00	39.54 2.24 0.00	34.47 1.76 0.00	32.27 1.59 0.00	29.88 1.48 0.00	29.42 1.48 0.00
CH_RES_BVR_FALLS 23983	28.18 -0.49 0.00	26.32 -0.40 0.00	25.83 -0.31 0.00	25.12 -0.28 0.00	26.39 -0.24 0.00	27.62 -0.25 0.00	37.29 -0.30 0.00	42.41 -0.39 0.00	37.40 -0.30 0.00	32.05 -0.16 0.00	29.54 -0.12 0.00	28.62 -0.14 0.00	28.06 -0.14 0.00	28.61 -0.17 0.00	29.81 -0.18 0.00	31.36 -0.16 0.00	36.09 -0.18 0.00	43.47 -0.44 0.00	39.21 -0.27 0.00	37.00 -0.30 0.00	32.48 -0.23 0.00	30.47 -0.21 0.00	28.20 -0.20 0.00	27.74 -0.19 0.00
CH_RES_NIAGARA 23895	26.23 -2.44 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.46 -4.14 0.00	37.06 -5.73 0.00	33.11 -4.60 0.00	28.80 -3.42 0.00	26.67 -2.99 0.00	25.89 -2.88 0.00	25.66 -2.54 0.00	25.91 -2.88 0.00	26.84 -3.15 0.00	28.11 -3.40 0.00	31.92 -4.35 0.00	38.42 -5.49 0.00	34.51 -4.98 0.00	32.56 -4.74 0.00	29.37 -3.34 0.00	27.43 -3.25 0.00	25.67 -2.73 0.00	25.53 -2.40 0.00
CH_RES_SYRACUSE 23985	28.38 -0.29 0.00	26.45 -0.27 0.00	25.86 -0.29 0.00	25.09 -0.30 0.00	26.31 -0.32 0.00	27.56 -0.31 0.00	37.07 -0.53 0.00	42.16 -0.64 0.00	37.22 -0.49 0.00	31.80 -0.42 0.00	29.28 -0.39 0.00	28.39 -0.37 0.00	27.83 -0.37 0.00	28.44 -0.34 0.00	29.60 -0.39 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.52 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.03 -0.37 0.00	27.55 -0.39 0.00
CLINTON_WT_PWR 323605	27.74 -0.92 0.00	26.00 -0.72 0.00	25.70 -0.44 0.00	25.04 -0.36 0.00	26.41 -0.21 0.00	27.48 -0.39 0.00	37.29 -0.30 0.00	42.07 -0.73 0.00	37.22 -0.49 0.00	32.44 0.23 0.00	29.96 0.30 0.00	29.08 0.32 0.00	28.54 0.34 0.00	29.07 0.29 0.00	30.35 0.36 0.00	32.02 0.50 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.40 -0.08 0.00	37.12 -0.19 0.00	33.03 0.33 0.00	31.02 0.34 0.00	28.65 0.26 0.00	28.52 0.59 0.00
CLINTON___LFGE 323618	28.15 -0.52 0.00	26.37 -0.35 0.00	26.09 -0.05 0.00	25.40 0.00 0.00	26.79 0.16 0.00	27.87 0.00 0.00	37.82 0.23 0.00	42.54 -0.26 0.00	37.63 -0.08 0.00	32.92 0.71 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.99 0.79 0.00	29.48 0.69 0.00	30.77 0.78 0.00	32.53 1.01 0.00	37.22 0.94 0.00	44.30 0.39 0.00	39.96 0.48 0.00	37.57 0.26 0.00	33.59 0.88 0.00	31.48 0.80 0.00	29.08 0.68 0.00	28.97 1.03 0.00
COBBLENY_34_KV_TB1 80064	27.37 -1.29 0.00	25.70 -1.02 0.00	25.07 -1.07 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.95 -0.92 0.00	35.15 -2.44 0.00	39.29 -3.51 0.00	34.73 -2.98 0.00	30.54 -1.68 0.00	28.24 -1.42 0.00	27.38 -1.38 0.00	26.90 -1.30 0.00	27.40 -1.38 0.00	28.31 -1.68 0.00	29.69 -1.83 0.00	33.84 -2.43 0.00	41.05 -2.85 0.00	36.60 -2.88 0.00	34.62 -2.69 0.00	31.10 -1.60 0.00	29.02 -1.66 0.00	26.95 -1.45 0.00	26.90 -1.03 0.00
COFFEEN___115KV_TB3 355620	28.20 -0.46 0.00	26.24 -0.48 0.00	25.62 -0.52 0.00	24.87 -0.53 0.00	26.09 -0.53 0.00	27.42 -0.45 0.00	37.52 -0.08 0.00	42.80 0.00 0.00	37.59 -0.11 0.00	32.05 -0.16 0.00	29.43 -0.24 0.00	28.42 -0.35 0.00	27.86 -0.34 0.00	28.56 -0.23 0.00	29.75 -0.24 0.00	31.49 -0.03 0.00	36.24 -0.04 0.00	44.12 0.22 0.00	39.72 0.24 0.00	37.34 0.04 0.00	32.67 -0.03 0.00	30.56 -0.12 0.00	28.09 -0.31 0.00	27.43 -0.50 0.00
COLDSPRG_115KV_BK1 355956	28.03 -0.63 0.00	26.29 -0.43 0.00	25.67 -0.47 0.00	24.94 -0.46 0.00	26.17 -0.45 0.00	27.78 -0.08 0.00	36.69 -0.90 0.00	41.08 -1.71 0.00	36.31 -1.40 0.00	31.80 -0.42 0.00	29.43 -0.24 0.00	28.53 -0.23 0.00	28.00 -0.20 0.00	28.47 -0.32 0.00	29.39 -0.60 0.00	30.76 -0.76 0.00	35.26 -1.02 0.00	42.98 -0.92 0.00	38.22 -1.26 0.00	36.11 -1.19 0.00	32.41 -0.29 0.00	30.25 -0.43 0.00	28.03 -0.37 0.00	27.94 0.00 0.00
COLONIE_LFGE___ 323577	29.95 1.29 0.00	27.89 1.17 0.00	27.27 1.12 0.00	26.51 1.12 0.00	27.77 1.14 0.00	29.12 1.26 0.00	39.29 1.69 0.00	44.81 2.01 0.00	39.36 1.66 0.00	33.44 1.22 0.00	30.79 1.13 0.00	29.88 1.12 0.00	29.24 1.04 0.00	29.88 1.09 0.00	31.19 1.20 0.00	32.75 1.23 0.00	37.76 1.49 0.00	45.97 2.06 0.00	41.22 1.74 0.00	38.94 1.64 0.00	34.04 1.34 0.00	31.97 1.29 0.00	29.56 1.16 0.00	29.11 1.17 0.00
COOPERNY_115KV_TB1 80082	29.52 0.86 0.00	27.49 0.77 0.00	26.85 0.71 0.00	26.08 0.69 0.00	27.32 0.69 0.00	28.65 0.78 0.00	38.84 1.24 0.00	44.34 1.54 0.00	38.99 1.28 0.00	33.18 0.97 0.00	30.52 0.86 0.00	29.60 0.83 0.00	28.99 0.79 0.00	29.56 0.78 0.00	30.83 0.84 0.00	32.40 0.88 0.00	37.43 1.16 0.00	45.53 1.62 0.00	40.71 1.22 0.00	38.50 1.19 0.00	33.65 0.95 0.00	31.60 0.92 0.00	29.22 0.82 0.00	28.75 0.81 0.00
COPENHAGEN_WT_PWR 323753	28.00 -0.66 0.00	26.05 -0.67 0.00	25.46 -0.68 0.00	24.71 -0.68 0.00	25.93 -0.69 0.00	27.23 -0.64 0.00	37.18 -0.41 0.00	42.37 -0.43 0.00	37.26 -0.45 0.00	31.80 -0.42 0.00	29.19 -0.48 0.00	28.25 -0.52 0.00	27.69 -0.51 0.00	28.35 -0.43 0.00	29.54 -0.45 0.00	31.20 -0.32 0.00	35.88 -0.40 0.00	43.64 -0.26 0.00	39.25 -0.24 0.00	36.93 -0.37 0.00	32.34 -0.36 0.00	30.28 -0.40 0.00	27.89 -0.51 0.00	27.27 -0.67 0.00
CORNELL_____ 23752	29.06 0.40 0.00	27.12 0.40 0.00	26.51 0.37 0.00	25.73 0.33 0.00	27.02 0.40 0.00	28.37 0.50 0.00	38.20 0.60 0.00	43.44 0.64 0.00	38.20 0.49 0.00	32.73 0.52 0.00	30.11 0.44 0.00	29.14 0.37 0.00	28.57 0.37 0.00	29.22 0.43 0.00	30.41 0.42 0.00	31.99 0.47 0.00	36.82 0.54 0.00	44.83 0.92 0.00	40.16 0.67 0.00	37.86 0.56 0.00	33.32 0.62 0.00	31.17 0.49 0.00	28.80 0.40 0.00	28.33 0.39 0.00



CORONA_69_KV_TB1 355595	32.83 2.24 -1.93	28.75 2.03 0.00	28.68 1.91 -0.62	28.36 1.85 -1.10	29.51 1.92 -0.96	33.72 2.03 -3.82	40.64 3.05 0.00	49.72 3.81 -3.11	42.76 3.21 -1.85	34.76 2.55 0.00	31.83 2.17 0.00	30.84 2.07 0.00	30.20 2.00 0.00	30.80 2.01 0.00	32.24 2.25 0.00	35.03 2.49 -1.02	40.40 3.01 -1.11	52.63 3.91 -4.82	47.95 3.16 -5.31	46.60 3.06 -6.24	43.98 2.52 -8.76	39.85 2.49 -6.69	30.70 2.22 -0.08	30.06 2.12 0.00
CORTLAND_115KV_TB3 80093	28.89 0.23 0.00	26.96 0.24 0.00	26.35 0.21 0.00	25.58 0.18 0.00	26.81 0.19 0.00	28.12 0.25 0.00	37.90 0.30 0.00	43.10 0.30 0.00	37.93 0.23 0.00	32.47 0.26 0.00	29.87 0.21 0.00	28.97 0.20 0.00	28.37 0.17 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.74 0.22 0.00	36.53 0.25 0.00	44.39 0.48 0.00	39.76 0.28 0.00	37.53 0.22 0.00	33.00 0.29 0.00	30.89 0.21 0.00	28.57 0.17 0.00	28.10 0.17 0.00
COXSACKIE___GT 23611	30.70 2.04 0.00	28.59 1.87 0.00	27.95 1.80 0.00	27.18 1.78 0.00	28.46 1.84 0.00	29.88 2.01 0.00	40.56 2.97 0.00	45.79 2.99 0.00	40.19 2.49 0.00	33.83 1.61 0.00	30.88 1.22 0.00	29.86 1.09 0.00	29.27 1.07 0.00	29.91 1.12 0.00	31.34 1.35 0.00	33.09 1.58 0.00	38.16 1.89 0.00	46.85 2.94 0.00	42.25 2.76 0.00	39.62 2.31 0.00	34.63 1.93 0.00	32.18 1.50 0.00	29.99 1.59 0.00	29.50 1.56 0.00
CPV_VALLEY___CC1 323721	29.67 1.00 0.00	27.63 0.91 0.00	26.96 0.81 0.00	26.21 0.81 0.00	27.45 0.83 0.00	28.73 0.86 0.00	38.91 1.32 0.00	44.51 1.71 0.00	39.06 1.36 0.00	33.28 1.06 0.00	30.58 0.92 0.00	29.66 0.89 0.00	29.04 0.85 0.00	29.65 0.86 0.00	30.89 0.90 0.00	32.50 0.98 0.00	37.54 1.27 0.00	45.75 1.84 0.00	40.90 1.42 0.00	38.68 1.38 0.00	33.75 1.05 0.00	31.69 1.01 0.00	29.28 0.88 0.00	28.83 0.89 0.00
CPV_VALLEY___CC2 323722	29.67 1.00 0.00	27.63 0.91 0.00	26.96 0.81 0.00	26.21 0.81 0.00	27.45 0.83 0.00	28.73 0.86 0.00	38.91 1.32 0.00	44.51 1.71 0.00	39.06 1.36 0.00	33.28 1.06 0.00	30.58 0.92 0.00	29.66 0.89 0.00	29.04 0.85 0.00	29.65 0.86 0.00	30.89 0.90 0.00	32.50 0.98 0.00	37.54 1.27 0.00	45.75 1.84 0.00	40.90 1.42 0.00	38.68 1.38 0.00	33.75 1.05 0.00	31.69 1.01 0.00	29.28 0.88 0.00	28.83 0.89 0.00
CRESCENT___HYD 24018	29.95 1.29 0.00	27.89 1.17 0.00	27.27 1.12 0.00	26.51 1.12 0.00	27.77 1.14 0.00	29.12 1.26 0.00	39.29 1.69 0.00	44.81 2.01 0.00	39.36 1.66 0.00	33.44 1.22 0.00	30.79 1.13 0.00	29.88 1.12 0.00	29.24 1.04 0.00	29.88 1.09 0.00	31.19 1.20 0.00	32.75 1.23 0.00	37.76 1.49 0.00	45.97 2.06 0.00	41.22 1.74 0.00	38.94 1.64 0.00	34.04 1.34 0.00	31.97 1.29 0.00	29.56 1.16 0.00	29.11 1.17 0.00
CRICKET___VALLEY_CC1 323756	30.12 1.46 0.00	28.08 1.36 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.88 1.25 0.00	29.15 1.28 0.00	39.33 1.73 0.00	45.02 2.22 0.00	39.48 1.77 0.00	33.67 1.45 0.00	30.91 1.25 0.00	30.00 1.24 0.00	29.36 1.16 0.00	29.99 1.21 0.00	31.28 1.29 0.00	32.87 1.35 0.00	37.98 1.71 0.00	46.27 2.37 0.00	41.34 1.86 0.00	39.13 1.83 0.00	34.11 1.41 0.00	32.06 1.38 0.00	29.68 1.28 0.00	29.22 1.29 0.00
CRICKET___VALLEY_CC2 323757	30.12 1.46 0.00	28.08 1.36 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.88 1.25 0.00	29.15 1.28 0.00	39.33 1.73 0.00	45.02 2.22 0.00	39.48 1.77 0.00	33.67 1.45 0.00	30.91 1.25 0.00	30.00 1.24 0.00	29.36 1.16 0.00	29.99 1.21 0.00	31.28 1.29 0.00	32.87 1.35 0.00	37.98 1.71 0.00	46.27 2.37 0.00	41.34 1.86 0.00	39.13 1.83 0.00	34.11 1.41 0.00	32.06 1.38 0.00	29.68 1.28 0.00	29.22 1.29 0.00
CRICKET___VALLEY_CC3 323758	30.12 1.46 0.00	28.08 1.36 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.88 1.25 0.00	29.15 1.28 0.00	39.33 1.73 0.00	45.02 2.22 0.00	39.48 1.77 0.00	33.67 1.45 0.00	30.91 1.25 0.00	30.00 1.24 0.00	29.36 1.16 0.00	29.99 1.21 0.00	31.28 1.29 0.00	32.87 1.35 0.00	37.98 1.71 0.00	46.27 2.37 0.00	41.34 1.86 0.00	39.13 1.83 0.00	34.11 1.41 0.00	32.06 1.38 0.00	29.68 1.28 0.00	29.22 1.29 0.00
CRUCIBLE_METL_DRP 24180	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00
DAHOWA___HYDRO 323763	30.41 1.75 0.00	28.32 1.60 0.00	27.71 1.57 0.00	26.92 1.52 0.00	28.25 1.62 0.00	29.71 1.84 0.00	40.15 2.56 0.00	45.75 2.95 0.00	40.12 2.42 0.00	33.95 1.74 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.28 1.50 0.00	31.61 1.62 0.00	33.22 1.70 0.00	38.34 2.07 0.00	46.72 2.81 0.00	41.97 2.49 0.00	39.62 2.31 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.96 1.56 0.00	29.56 1.62 0.00
DANC___LFGE 323619	27.97 -0.69 0.00	26.05 -0.67 0.00	25.46 -0.68 0.00	24.71 -0.68 0.00	25.91 -0.72 0.00	27.14 -0.72 0.00	36.84 -0.75 0.00	41.98 -0.81 0.00	36.95 -0.75 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.13 -0.63 0.00	27.58 -0.62 0.00	28.21 -0.58 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.58 -0.69 0.00	43.25 -0.66 0.00	38.85 -0.63 0.00	36.59 -0.71 0.00	32.08 -0.62 0.00	30.07 -0.61 0.00	27.77 -0.62 0.00	27.18 -0.75 0.00
DANSKAMMER___1 23586	30.38 1.72 0.00	28.27 1.55 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	39.85 2.26 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.20 1.41 0.00	31.49 1.50 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.89 2.41 0.00	39.54 2.24 0.00	34.47 1.76 0.00	32.27 1.59 0.00	29.88 1.48 0.00	29.42 1.48 0.00
DANSKAMMER___2 23589	30.38 1.72 0.00	28.27 1.55 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	39.85 2.26 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.20 1.41 0.00	31.49 1.50 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.89 2.41 0.00	39.54 2.24 0.00	34.47 1.76 0.00	32.27 1.59 0.00	29.88 1.48 0.00	29.42 1.48 0.00
DANSKAMMER___3 23590	30.38 1.72 0.00	28.27 1.55 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	39.85 2.26 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.20 1.41 0.00	31.49 1.50 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.89 2.41 0.00	39.54 2.24 0.00	34.47 1.76 0.00	32.27 1.59 0.00	29.88 1.48 0.00	29.42 1.48 0.00



DANSKAMMER___4 23591	30.38 1.72 0.00	28.27 1.55 0.00	27.58 1.44 0.00	26.79 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	39.85 2.26 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.55 1.35 0.00	30.20 1.41 0.00	31.49 1.50 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.89 2.41 0.00	39.54 2.24 0.00	34.47 1.76 0.00	32.27 1.59 0.00	29.88 1.48 0.00	29.42 1.48 0.00
DANSKAMMER___DIESEL 23592	30.30 1.63 0.00	28.19 1.47 0.00	27.53 1.39 0.00	26.74 1.35 0.00	28.01 1.38 0.00	29.37 1.50 0.00	39.93 2.33 0.00	45.58 2.78 0.00	40.04 2.34 0.00	34.02 1.80 0.00	31.21 1.54 0.00	30.23 1.47 0.00	29.64 1.44 0.00	30.20 1.41 0.00	31.52 1.53 0.00	33.19 1.67 0.00	38.34 2.07 0.00	46.85 2.94 0.00	41.85 2.37 0.00	39.47 2.16 0.00	34.47 1.77 0.00	32.28 1.60 0.00	29.90 1.51 0.00	29.42 1.48 0.00
DARBY___SOLAR 323810	30.32 1.66 0.00	28.27 1.55 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.17 1.54 0.00	29.60 1.73 0.00	40.00 2.41 0.00	45.58 2.78 0.00	40.01 2.30 0.00	33.89 1.67 0.00	31.12 1.45 0.00	30.17 1.41 0.00	29.53 1.33 0.00	30.22 1.44 0.00	31.58 1.59 0.00	33.19 1.67 0.00	38.27 1.99 0.00	46.63 2.72 0.00	41.85 2.37 0.00	39.50 2.20 0.00	34.50 1.80 0.00	32.37 1.69 0.00	29.90 1.50 0.00	29.50 1.56 0.00
DASHVILLE___HYD 23610	30.01 1.35 0.00	27.92 1.20 0.00	27.27 1.12 0.00	26.49 1.09 0.00	27.72 1.09 0.00	29.04 1.17 0.00	39.48 1.88 0.00	45.06 2.27 0.00	39.59 1.89 0.00	33.63 1.42 0.00	30.82 1.16 0.00	29.89 1.12 0.00	29.27 1.07 0.00	29.79 1.01 0.00	31.13 1.14 0.00	32.75 1.23 0.00	37.91 1.63 0.00	46.28 2.37 0.00	41.34 1.86 0.00	39.02 1.72 0.00	34.04 1.34 0.00	31.91 1.23 0.00	29.56 1.16 0.00	29.14 1.20 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	33.95 3.35 -1.93	29.68 2.97 0.00	29.93 3.16 -0.62	29.57 3.07 -1.10	30.79 3.20 -0.96	35.25 3.57 -3.82	42.94 5.34 0.00	52.29 6.38 -3.11	45.03 5.47 -1.86	36.34 4.12 0.00	33.16 3.50 0.00	32.04 3.28 0.00	31.30 3.10 0.00	31.95 3.17 0.00	33.62 3.63 0.00	36.80 4.25 -1.03	42.32 4.93 -1.12	55.41 6.67 -4.83	50.17 5.37 -5.31	48.77 5.22 -6.25	46.07 4.61 -8.76	41.69 4.33 -6.69	32.29 3.81 -0.09	31.54 3.60 0.00
DELAWARE___LFGE 323621	29.64 0.97 0.00	27.60 0.88 0.00	26.95 0.81 0.00	26.19 0.79 0.00	27.45 0.83 0.00	28.84 0.98 0.00	39.06 1.47 0.00	44.51 1.71 0.00	39.14 1.43 0.00	33.34 1.13 0.00	30.67 1.01 0.00	29.74 0.98 0.00	29.13 0.93 0.00	29.76 0.98 0.00	31.01 1.02 0.00	32.62 1.10 0.00	37.54 1.27 0.00	45.71 1.80 0.00	40.94 1.46 0.00	38.68 1.38 0.00	33.88 1.18 0.00	31.78 1.10 0.00	29.34 0.94 0.00	28.86 0.92 0.00
DERFIELD_115KV_TB7 355931	28.81 0.14 0.00	26.85 0.13 0.00	26.28 0.13 0.00	25.53 0.13 0.00	26.76 0.13 0.00	28.03 0.17 0.00	37.86 0.26 0.00	43.14 0.34 0.00	37.97 0.26 0.00	32.38 0.16 0.00	29.81 0.15 0.00	28.91 0.14 0.00	28.34 0.14 0.00	28.93 0.14 0.00	30.17 0.18 0.00	31.71 0.19 0.00	36.49 0.22 0.00	44.30 0.40 0.00	39.76 0.28 0.00	37.53 0.22 0.00	32.87 0.16 0.00	30.83 0.15 0.00	28.54 0.14 0.00	28.05 0.11 0.00
DOGLEVILLE___HYD 23807	28.58 -0.09 0.00	26.64 -0.08 0.00	26.07 -0.08 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.90 0.03 0.00	37.71 0.11 0.00	43.05 0.26 0.00	37.90 0.19 0.00	32.31 0.10 0.00	29.75 0.09 0.00	28.85 0.09 0.00	28.28 0.08 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.74 0.22 0.00	36.56 0.29 0.00	44.39 0.48 0.00	39.92 0.44 0.00	37.68 0.37 0.00	33.00 0.29 0.00	30.99 0.31 0.00	28.63 0.23 0.00	28.11 0.17 0.00
DUNKIRK___115KV_TB_200 55889	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.33 -1.07 0.00	25.51 -1.12 0.00	27.03 -0.84 0.00	35.38 -2.22 0.00	39.59 -3.21 0.00	34.99 -2.71 0.00	30.73 -1.48 0.00	28.42 -1.25 0.00	27.56 -1.21 0.00	27.07 -1.13 0.00	27.55 -1.24 0.00	28.46 -1.53 0.00	29.82 -1.70 0.00	34.06 -2.21 0.00	41.40 -2.50 0.00	36.88 -2.61 0.00	34.88 -2.42 0.00	31.33 -1.37 0.00	29.27 -1.41 0.00	27.15 -1.25 0.00	27.10 -0.84 0.00
DUNKIRK___1 23563	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.33 -1.07 0.00	25.51 -1.12 0.00	27.03 -0.84 0.00	35.38 -2.22 0.00	39.59 -3.21 0.00	34.99 -2.71 0.00	30.73 -1.48 0.00	28.42 -1.25 0.00	27.56 -1.21 0.00	27.07 -1.13 0.00	27.55 -1.24 0.00	28.46 -1.53 0.00	29.82 -1.70 0.00	34.06 -2.21 0.00	41.40 -2.50 0.00	36.88 -2.61 0.00	34.88 -2.42 0.00	31.33 -1.37 0.00	29.27 -1.41 0.00	27.15 -1.25 0.00	27.10 -0.84 0.00
DUNKIRK___2 23564	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.33 -1.07 0.00	25.51 -1.12 0.00	27.03 -0.84 0.00	35.38 -2.22 0.00	39.59 -3.21 0.00	34.99 -2.71 0.00	30.73 -1.48 0.00	28.42 -1.25 0.00	27.56 -1.21 0.00	27.07 -1.13 0.00	27.55 -1.24 0.00	28.46 -1.53 0.00	29.82 -1.70 0.00	34.06 -2.21 0.00	41.40 -2.50 0.00	36.88 -2.61 0.00	34.88 -2.42 0.00	31.33 -1.37 0.00	29.27 -1.41 0.00	27.15 -1.25 0.00	27.10 -0.84 0.00
DUNKIRK___3 23565	27.34 -1.32 0.00	25.65 -1.07 0.00	25.07 -1.07 0.00	24.28 -1.12 0.00	25.48 -1.14 0.00	26.98 -0.89 0.00	35.30 -2.29 0.00	39.46 -3.34 0.00	34.88 -2.83 0.00	30.57 -1.64 0.00	28.27 -1.39 0.00	27.44 -1.32 0.00	26.96 -1.24 0.00	27.43 -1.35 0.00	28.34 -1.65 0.00	29.69 -1.83 0.00	33.95 -2.32 0.00	41.18 -2.72 0.00	36.68 -2.80 0.00	34.69 -2.61 0.00	31.20 -1.50 0.00	29.15 -1.53 0.00	27.04 -1.36 0.00	26.99 -0.95 0.00
DUNKIRK___4 23566	27.32 -1.35 0.00	25.62 -1.10 0.00	25.05 -1.10 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.98 -0.89 0.00	35.26 -2.33 0.00	39.42 -3.38 0.00	34.84 -2.87 0.00	30.60 -1.61 0.00	28.30 -1.36 0.00	27.44 -1.32 0.00	26.96 -1.24 0.00	27.43 -1.35 0.00	28.34 -1.65 0.00	29.72 -1.80 0.00	33.95 -2.32 0.00	41.18 -2.72 0.00	36.68 -2.80 0.00	34.69 -2.61 0.00	31.20 -1.50 0.00	29.15 -1.53 0.00	27.04 -1.36 0.00	27.02 -0.92 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	30.30 1.63 0.00	28.16 1.44 0.00	27.53 1.39 0.00	26.74 1.35 0.00	27.98 1.36 0.00	29.34 1.48 0.00	39.93 2.33 0.00	45.79 3.00 0.00	40.20 2.49 0.00	34.24 2.03 0.00	31.44 1.78 0.00	30.49 1.73 0.00	29.89 1.69 0.00	30.45 1.67 0.00	31.79 1.80 0.00	33.41 1.89 0.00	38.67 2.39 0.00	47.11 3.21 0.00	42.01 2.53 0.00	39.76 2.46 0.00	34.66 1.96 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.56 1.62 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	30.01 1.35 0.00	27.92 1.20 0.00	27.27 1.12 0.00	26.52 1.12 0.00	27.74 1.12 0.00	29.09 1.23 0.00	39.55 1.95 0.00	45.15 2.35 0.00	39.67 1.96 0.00	33.73 1.51 0.00	30.94 1.28 0.00	30.00 1.24 0.00	29.41 1.21 0.00	29.97 1.18 0.00	31.28 1.29 0.00	32.87 1.36 0.00	38.01 1.74 0.00	46.41 2.50 0.00	41.46 1.97 0.00	39.13 1.83 0.00	34.17 1.47 0.00	32.03 1.35 0.00	29.65 1.25 0.00	29.19 1.26 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	30.73 2.06 0.00	28.53 1.82 0.00	27.87 1.73 0.00	27.07 1.68 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.11 2.52 0.00	45.92 3.12 0.00	40.31 2.60 0.00	34.41 2.19 0.00	31.53 1.87 0.00	30.63 1.87 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.91 1.92 0.00	33.54 2.02 0.00	38.86 2.58 -0.02	47.35 3.42 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.73 2.03 0.00	32.87 2.18 -0.01	30.47 2.07 0.00	29.98 2.04 -0.01
E179THST_13_KV_LOAD 356214	30.84 2.18 0.00	28.61 1.90 0.00	27.97 1.83 0.00	27.18 1.78 0.00	28.44 1.81 0.00	29.68 1.81 0.00	40.26 2.67 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.68 2.02 0.00	30.78 2.01 0.00	30.15 1.95 0.00	30.71 1.93 0.00	32.06 2.07 0.00	33.69 2.17 0.00	39.05 2.76 -0.02	47.57 3.64 -0.02	42.37 2.88 0.00	40.06 2.76 0.00	34.89 2.19 0.00	33.02 2.33 -0.01	30.59 2.19 0.00	30.10 2.15 -0.01
EAST HAMPTON___GT 23717	34.32 3.72 -1.93	30.06 3.34 0.00	30.24 3.48 -0.62	29.88 3.38 -1.10	31.10 3.51 -0.96	35.53 3.85 -3.82	43.35 5.75 0.00	52.76 6.85 -3.11	45.37 5.80 -1.86	36.76 4.54 0.00	33.58 3.92 0.00	32.36 3.60 0.00	31.47 3.27 0.00	32.30 3.51 0.00	34.04 4.05 0.00	37.08 4.54 -1.03	42.51 5.12 -1.12	55.76 7.02 -4.83	50.60 5.81 -5.31	49.18 5.63 -6.25	46.50 5.03 -8.76	42.03 4.66 -6.69	32.46 3.98 -0.09	31.88 3.94 0.00
EAST RIVER___6 23660	30.47 1.81 0.00	28.35 1.63 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.40 1.53 0.00	40.11 2.52 0.00	46.04 3.30 0.06	40.38 2.68 0.00	34.50 2.29 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.63 2.11 0.00	39.01 2.72 -0.01	47.52 3.60 -0.01	42.29 2.80 0.00	40.10 2.80 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.16 1.76 0.00	29.67 1.73 0.00
EAST RIVER___7 23524	30.47 1.81 0.00	28.35 1.63 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.40 1.53 0.00	40.11 2.52 0.00	46.04 3.30 0.06	40.38 2.68 0.00	34.50 2.29 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.63 2.11 0.00	39.01 2.72 -0.01	47.52 3.60 -0.01	42.29 2.80 0.00	40.10 2.80 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.16 1.76 0.00	29.67 1.73 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.16 2.45 0.00	34.18 1.97 0.00	31.35 1.69 0.00	30.43 1.67 0.00	29.84 1.64 0.00	30.40 1.61 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.60 2.32 0.00	47.02 3.12 0.00	41.93 2.45 0.00	39.69 2.39 0.00	34.57 1.86 0.00	32.49 1.81 0.00	30.02 1.62 0.00	29.53 1.59 0.00
EAST_HAMPTON___DIESEL 23722	34.32 3.72 -1.93	30.08 3.37 0.00	30.24 3.48 -0.62	29.88 3.38 -1.10	31.10 3.51 -0.96	35.56 3.87 -3.82	43.38 5.79 0.00	52.76 6.85 -3.11	45.37 5.80 -1.86	36.76 4.54 0.00	33.58 3.92 0.00	32.39 3.62 0.00	31.50 3.30 0.00	32.30 3.51 0.00	34.04 4.05 0.00	37.08 4.54 -1.03	42.54 5.15 -1.12	55.76 7.02 -4.83	50.60 5.81 -5.31	49.22 5.67 -6.25	46.50 5.03 -8.76	42.06 4.69 -6.69	32.46 3.98 -0.09	31.90 3.97 0.00
EAST_PULASKI___ESR 323781	28.06 -0.60 0.00	26.16 -0.56 0.00	25.57 -0.58 0.00	24.81 -0.58 0.00	25.99 -0.64 0.00	27.14 -0.72 0.00	36.62 -0.98 0.00	41.73 -1.07 0.00	36.76 -0.94 0.00	31.47 -0.74 0.00	28.95 -0.71 0.00	28.07 -0.69 0.00	27.49 -0.70 0.00	28.12 -0.66 0.00	29.27 -0.72 0.00	30.79 -0.72 0.00	35.37 -0.91 0.00	42.98 -0.92 0.00	38.58 -0.91 0.00	36.37 -0.93 0.00	31.95 -0.75 0.00	29.94 -0.74 0.00	27.72 -0.68 0.00	27.18 -0.75 0.00
EAST_RIVER___1 323558	30.52 1.86 0.00	28.40 1.68 0.00	27.69 1.54 0.00	26.92 1.52 0.00	28.17 1.54 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.04 3.30 0.06	40.35 2.64 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.03 1.83 0.00	30.68 1.90 0.00	31.94 1.95 0.00	33.60 2.08 0.00	38.93 2.65 -0.01	47.43 3.51 -0.01	42.25 2.76 0.00	40.02 2.72 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.19 1.79 0.00	29.70 1.76 0.00
EAST_RIVER___2 323559	30.47 1.81 0.00	28.35 1.63 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.40 1.53 0.00	40.11 2.52 0.00	46.04 3.30 0.06	40.38 2.68 0.00	34.50 2.29 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.63 2.11 0.00	39.01 2.72 -0.01	47.52 3.60 -0.01	42.29 2.80 0.00	40.10 2.80 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.16 1.76 0.00	29.67 1.73 0.00
EAST___DELAWARE_HYD 23607	30.01 1.35 0.00	27.92 1.20 0.00	27.22 1.07 0.00	26.44 1.04 0.00	27.72 1.09 0.00	29.01 1.14 0.00	39.51 1.92 0.00	45.02 2.22 0.00	39.52 1.81 0.00	33.54 1.32 0.00	30.67 1.01 0.00	29.71 0.95 0.00	29.10 0.90 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.83 0.32 0.00	36.89 0.62 0.00	45.13 1.23 0.00	40.39 0.91 0.00	38.09 0.78 0.00	33.19 0.49 0.00	31.88 1.20 0.00	29.48 1.08 0.00	29.06 1.12 0.00
EIGHT_POINT___WT_PWR 323820	27.97 -0.69 0.00	26.21 -0.51 0.00	25.65 -0.50 0.00	24.92 -0.48 0.00	26.23 -0.40 0.00	27.76 -0.11 0.00	36.88 -0.72 0.00	41.39 -1.41 0.00	36.80 -0.91 0.00	31.70 -0.52 0.00	29.22 -0.44 0.00	28.27 -0.49 0.00	27.86 -0.34 0.00	28.38 -0.40 0.00	29.51 -0.48 0.00	30.98 -0.54 0.00	35.44 -0.83 0.00	43.03 -0.88 0.00	38.46 -1.03 0.00	36.26 -1.04 0.00	32.31 -0.39 0.00	30.13 -0.55 0.00	28.00 -0.40 0.00	27.69 -0.25 0.00
ELBRIDGE_115KV_TB2 80188	28.26 -0.40 0.00	26.34 -0.37 0.00	25.78 -0.37 0.00	25.02 -0.38 0.00	26.23 -0.40 0.00	27.42 -0.45 0.00	36.84 -0.75 0.00	41.90 -0.90 0.00	36.91 -0.79 0.00	31.64 -0.58 0.00	29.13 -0.53 0.00	28.25 -0.52 0.00	27.66 -0.54 0.00	28.27 -0.52 0.00	29.42 -0.57 0.00	30.92 -0.60 0.00	35.55 -0.73 0.00	43.16 -0.75 0.00	38.69 -0.79 0.00	36.52 -0.78 0.00	32.15 -0.56 0.00	30.10 -0.58 0.00	27.86 -0.54 0.00	27.41 -0.53 0.00
ELEC_TRO_TEK 24086	32.69 2.09 -1.93	28.59 1.87 0.00	28.54 1.78 -0.62	28.25 1.75 -1.10	29.37 1.78 -0.96	33.61 1.92 -3.82	40.49 2.89 0.00	49.50 3.59 -3.11	42.61 3.05 -1.85	34.63 2.42 0.00	31.68 2.02 0.00	30.72 1.96 0.00	30.09 1.89 0.00	30.69 1.90 0.00	32.12 2.13 0.00	34.87 2.33 -1.02	40.33 2.94 -1.11	52.59 3.86 -4.82	47.91 3.12 -5.31	46.56 3.02 -6.24	43.88 2.42 -8.76	39.67 2.30 -6.69	30.55 2.07 -0.08	29.92 1.98 0.00
ELLENBURG_WT_PWR 323604	27.74 -0.92 0.00	26.00 -0.72 0.00	25.70 -0.44 0.00	25.04 -0.36 0.00	26.41 -0.21 0.00	27.48 -0.39 0.00	37.29 -0.30 0.00	42.07 -0.73 0.00	37.22 -0.49 0.00	32.44 0.23 0.00	29.96 0.30 0.00	29.08 0.32 0.00	28.54 0.34 0.00	29.07 0.29 0.00	30.35 0.36 0.00	32.02 0.50 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.40 -0.08 0.00	37.12 -0.19 0.00	33.03 0.33 0.00	31.02 0.34 0.00	28.65 0.26 0.00	28.52 0.59 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	27.03 -1.63 0.00	25.38 -1.34 0.00	24.78 -1.36 0.00	23.98 -1.42 0.00	25.13 -1.49 0.00	26.61 -1.25 0.00	34.59 -3.01 0.00	38.60 -4.19 0.00	34.12 -3.58 0.00	30.06 -2.16 0.00	27.79 -1.87 0.00	26.95 -1.81 0.00	26.48 -1.72 0.00	26.97 -1.81 0.00	27.86 -2.13 0.00	29.22 -2.30 0.00	33.30 -2.97 0.00	40.30 -3.60 0.00	35.93 -3.55 0.00	33.98 -3.32 0.00	30.61 -2.09 0.00	28.59 -2.09 0.00	26.55 -1.85 0.00	26.54 -1.40 0.00
EMPIRE_CC_1 323656	29.67 1.00 0.00	27.63 0.91 0.00	27.01 0.86 0.00	26.26 0.86 0.00	27.50 0.88 0.00	28.79 0.92 0.00	38.69 1.09 0.00	44.17 1.37 0.00	38.80 1.09 0.00	33.05 0.84 0.00	30.49 0.83 0.00	29.60 0.83 0.00	28.99 0.79 0.00	29.59 0.80 0.00	30.89 0.90 0.00	32.31 0.79 0.00	37.25 0.98 0.00	45.35 1.45 0.00	40.63 1.15 0.00	38.42 1.12 0.00	33.55 0.85 0.00	31.63 0.95 0.00	29.28 0.88 0.00	28.80 0.87 0.00
EMPIRE_CC_2 323658	29.67 1.00 0.00	27.63 0.91 0.00	27.01 0.86 0.00	26.26 0.86 0.00	27.50 0.88 0.00	28.79 0.92 0.00	38.69 1.09 0.00	44.17 1.37 0.00	38.80 1.09 0.00	33.05 0.84 0.00	30.49 0.83 0.00	29.60 0.83 0.00	28.99 0.79 0.00	29.59 0.80 0.00	30.89 0.90 0.00	32.31 0.79 0.00	37.25 0.98 0.00	45.35 1.45 0.00	40.63 1.15 0.00	38.42 1.12 0.00	33.55 0.85 0.00	31.63 0.95 0.00	29.28 0.88 0.00	28.80 0.87 0.00
ENORWICH_115KV_TB1 80156	30.61 1.95 0.00	28.53 1.82 0.00	27.84 1.70 0.00	27.02 1.63 0.00	28.44 1.81 0.00	30.04 2.17 0.00	40.98 3.38 0.00	46.73 3.94 0.00	40.84 3.13 0.00	34.76 2.55 0.00	31.92 2.25 0.00	30.92 2.16 0.00	30.23 2.03 0.00	31.09 2.30 0.00	32.39 2.40 0.00	34.20 2.68 0.00	39.43 3.16 0.00	48.21 4.30 0.00	43.27 3.79 0.00	40.62 3.32 0.00	35.65 2.94 0.00	33.29 2.61 0.00	30.64 2.24 0.00	30.00 2.07 0.00
ERIE_ST__34_KV_TB1-2 80199	27.60 -1.06 0.00	25.92 -0.80 0.00	25.31 -0.84 0.00	24.48 -0.91 0.00	25.69 -0.93 0.00	27.20 -0.67 0.00	35.57 -2.03 0.00	39.67 -3.12 0.00	35.07 -2.64 0.00	30.80 -1.42 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.18 -1.02 0.00	27.66 -1.12 0.00	28.58 -1.41 0.00	29.91 -1.61 0.00	34.17 -2.10 0.00	41.49 -2.41 0.00	36.92 -2.57 0.00	34.91 -2.39 0.00	31.39 -1.31 0.00	29.30 -1.38 0.00	27.18 -1.22 0.00	27.16 -0.78 0.00
ERIE_WT_PWR 323693	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.31 -1.09 0.00	25.53 -1.09 0.00	27.00 -0.86 0.00	35.30 -2.29 0.00	39.29 -3.51 0.00	35.03 -2.68 0.00	30.41 -1.80 0.00	28.15 -1.51 0.00	27.30 -1.47 0.00	27.02 -1.18 0.00	27.32 -1.47 0.00	28.28 -1.71 0.00	29.63 -1.89 0.00	33.73 -2.54 0.00	40.83 -3.07 0.00	36.56 -2.92 0.00	34.50 -2.80 0.00	31.00 -1.70 0.00	28.93 -1.75 0.00	27.01 -1.39 0.00	26.82 -1.12 0.00
ESPRGFLD_115KV_TB1 80157	30.33 1.66 0.00	28.27 1.55 0.00	27.61 1.46 0.00	26.82 1.42 0.00	28.17 1.54 0.00	29.71 1.84 0.00	40.23 2.63 0.00	45.79 3.00 0.00	40.20 2.49 0.00	34.21 2.00 0.00	31.41 1.75 0.00	30.49 1.73 0.00	29.89 1.69 0.00	30.57 1.78 0.00	31.88 1.89 0.00	33.57 2.05 0.00	38.60 2.32 0.00	47.11 3.21 0.00	42.25 2.76 0.00	39.80 2.50 0.00	34.86 2.16 0.00	32.74 2.06 0.00	30.13 1.73 0.00	29.61 1.68 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	29.06 0.40 0.00	27.09 0.37 0.00	26.48 0.34 0.00	25.70 0.30 0.00	27.00 0.37 0.00	28.31 0.45 0.00	38.12 0.53 0.00	43.40 0.60 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.05 0.39 0.00	29.11 0.35 0.00	28.51 0.31 0.00	29.16 0.37 0.00	30.38 0.39 0.00	31.96 0.44 0.00	36.78 0.51 0.00	44.74 0.83 0.00	40.12 0.63 0.00	37.82 0.52 0.00	33.29 0.59 0.00	31.14 0.46 0.00	28.77 0.37 0.00	28.27 0.34 0.00
ETNA____115KV_TB2 80207	29.06 0.40 0.00	27.09 0.37 0.00	26.48 0.34 0.00	25.70 0.30 0.00	27.00 0.37 0.00	28.31 0.45 0.00	38.12 0.53 0.00	43.40 0.60 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.05 0.39 0.00	29.11 0.35 0.00	28.51 0.31 0.00	29.16 0.37 0.00	30.38 0.39 0.00	31.96 0.44 0.00	36.78 0.51 0.00	44.74 0.83 0.00	40.12 0.63 0.00	37.82 0.52 0.00	33.29 0.59 0.00	31.14 0.46 0.00	28.77 0.37 0.00	28.27 0.34 0.00
EUCLID___115KV_TB2 356179	28.12 -0.54 0.00	26.21 -0.51 0.00	25.65 -0.50 0.00	24.89 -0.51 0.00	26.09 -0.53 0.00	27.25 -0.61 0.00	36.58 -1.02 0.00	41.64 -1.16 0.00	36.69 -1.02 0.00	31.41 -0.81 0.00	28.92 -0.74 0.00	28.07 -0.69 0.00	27.52 -0.68 0.00	28.09 -0.69 0.00	29.24 -0.75 0.00	30.73 -0.79 0.00	35.29 -0.98 0.00	42.85 -1.05 0.00	38.42 -1.07 0.00	36.26 -1.04 0.00	31.88 -0.82 0.00	29.91 -0.77 0.00	27.69 -0.71 0.00	27.24 -0.70 0.00
E_CANADA_CAP_HY 24051	30.78 2.12 0.00	28.72 2.00 0.00	28.05 1.91 0.00	27.23 1.83 0.00	28.65 2.02 0.00	30.21 2.34 0.00	40.79 3.19 0.00	46.43 3.64 0.00	40.68 2.98 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.78 2.01 0.00	30.17 1.97 0.00	30.89 2.10 0.00	32.24 2.25 0.00	33.98 2.46 0.00	39.00 2.72 0.00	47.64 3.73 0.00	42.80 3.32 0.00	40.29 2.99 0.00	35.19 2.48 0.00	33.20 2.52 0.00	30.56 2.16 0.00	30.03 2.10 0.00
E_CANADA_MHWK_HY 24050	28.58 -0.09 0.00	26.64 -0.08 0.00	26.07 -0.08 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.90 0.03 0.00	37.71 0.11 0.00	43.05 0.26 0.00	37.90 0.19 0.00	32.31 0.10 0.00	29.75 0.09 0.00	28.85 0.09 0.00	28.28 0.08 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.74 0.22 0.00	36.56 0.29 0.00	44.39 0.48 0.00	39.92 0.44 0.00	37.68 0.37 0.00	33.00 0.29 0.00	30.99 0.31 0.00	28.63 0.23 0.00	28.11 0.17 0.00
E_FISHKILL___LBMP 23776	30.10 1.43 0.00	28.00 1.28 0.00	27.37 1.23 0.00	26.59 1.19 0.00	27.82 1.20 0.00	29.18 1.31 0.00	39.59 1.99 0.00	45.32 2.52 0.00	39.82 2.11 0.00	33.89 1.68 0.00	31.12 1.45 0.00	30.20 1.44 0.00	29.58 1.38 0.00	30.17 1.38 0.00	31.49 1.50 0.00	33.06 1.54 0.00	38.23 1.96 0.00	46.58 2.68 0.00	41.58 2.09 0.00	39.32 2.01 0.00	34.30 1.60 0.00	32.21 1.53 0.00	29.82 1.42 0.00	29.31 1.37 0.00
FALCON___SEABRD_CC1 323796	28.12 -0.55 0.00	26.34 -0.37 0.00	26.07 -0.08 0.00	25.37 -0.03 0.00	26.76 0.13 0.00	27.73 -0.14 0.00	37.63 0.04 0.00	42.16 -0.64 0.00	37.26 -0.45 0.00	32.73 0.51 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.33 0.55 0.00	30.62 0.63 0.00	32.34 0.82 0.00	37.04 0.76 0.00	43.82 -0.09 0.00	39.52 0.04 0.00	37.15 -0.15 0.00	33.36 0.65 0.00	31.29 0.61 0.00	28.91 0.51 0.00	28.91 0.98 0.00
FALCON___SEABRD_CC2 323797	28.12 -0.55 0.00	26.34 -0.37 0.00	26.07 -0.08 0.00	25.37 -0.03 0.00	26.76 0.13 0.00	27.73 -0.14 0.00	37.63 0.04 0.00	42.16 -0.64 0.00	37.26 -0.45 0.00	32.73 0.51 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.33 0.55 0.00	30.62 0.63 0.00	32.34 0.82 0.00	37.04 0.76 0.00	43.82 -0.09 0.00	39.52 0.04 0.00	37.15 -0.15 0.00	33.36 0.65 0.00	31.29 0.61 0.00	28.91 0.51 0.00	28.91 0.98 0.00



FAR ROCKAWAY___4 23548	33.09 2.49 -1.93	28.94 2.22 0.00	28.88 2.12 -0.62	28.56 2.06 -1.10	29.69 2.10 -0.96	33.94 2.26 -3.82	40.98 3.38 0.00	50.10 4.19 -3.11	43.06 3.51 -1.85	35.02 2.80 0.00	32.04 2.37 0.00	31.04 2.27 0.00	30.40 2.20 0.00	31.03 2.25 0.00	32.48 2.49 0.00	35.28 2.74 -1.02	40.43 3.05 -1.11	52.41 3.69 -4.82	47.75 2.96 -5.31	46.41 2.87 -6.24	44.05 2.58 -8.76	40.13 2.76 -6.69	30.92 2.44 -0.08	30.26 2.32 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	30.50 1.83 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.01	47.47 3.56 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.77 2.09 0.00	30.27 1.87 0.00	29.73 1.79 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	30.50 1.83 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.90 1.50 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.01	47.47 3.56 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.75 1.82 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	30.47 1.81 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.42 2.71 0.00	34.47 2.26 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.09 1.89 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.93 2.65 -0.01	47.43 3.51 -0.01	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.25 1.85 0.00	29.73 1.79 0.00
FARRAGUT___LBMP 323566	30.47 1.81 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.01	47.39 3.47 -0.01	42.17 2.68 0.00	39.95 2.65 0.00	34.76 2.06 0.00	32.74 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
FENNER___WINDPWR 24204	29.09 0.43 0.00	27.12 0.40 0.00	26.54 0.39 0.00	25.75 0.36 0.00	27.03 0.40 0.00	28.40 0.53 0.00	38.42 0.83 0.00	43.74 0.94 0.00	38.54 0.83 0.00	32.86 0.64 0.00	30.26 0.59 0.00	29.31 0.55 0.00	28.73 0.53 0.00	29.36 0.58 0.00	30.59 0.60 0.00	32.18 0.66 0.00	37.00 0.73 0.00	44.92 1.01 0.00	40.27 0.79 0.00	37.97 0.67 0.00	33.32 0.62 0.00	31.20 0.52 0.00	28.83 0.43 0.00	28.30 0.36 0.00
FIBERTEK___ENERGY 23856	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00
FITZPATRICK___ 23598	27.66 -1.00 0.00	25.78 -0.94 0.00	25.23 -0.92 0.00	24.51 -0.89 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.09 -1.50 0.00	41.04 -1.76 0.00	36.20 -1.51 0.00	30.96 -1.26 0.00	28.54 -1.13 0.00	27.67 -1.09 0.00	27.13 -1.07 0.00	27.69 -1.09 0.00	28.85 -1.14 0.00	30.29 -1.23 0.00	34.82 -1.45 0.00	42.24 -1.67 0.00	37.90 -1.58 0.00	35.81 -1.49 0.00	31.43 -1.28 0.00	29.48 -1.20 0.00	27.32 -1.08 0.00	26.85 -1.09 0.00
FLOWRFLD_69_KV_BK1 356044	33.26 2.67 -1.93	29.10 2.38 0.00	29.17 2.41 -0.62	28.84 2.34 -1.10	30.04 2.45 -0.96	34.39 2.70 -3.82	41.66 4.06 0.00	50.83 4.92 -3.12	43.79 4.22 -1.86	35.44 3.22 0.00	32.33 2.67 0.00	31.30 2.53 0.00	30.62 2.43 0.00	31.23 2.45 0.00	32.81 2.82 0.00	35.85 3.31 -1.03	41.34 3.95 -1.12	53.96 5.22 -4.83	49.02 4.22 -5.32	47.58 4.03 -6.25	44.87 3.40 -8.76	40.65 3.28 -6.69	31.41 2.93 -0.09	30.68 2.74 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	30.35 1.69 0.00	28.24 1.52 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.06 1.44 0.00	29.40 1.53 0.00	40.00 2.41 0.00	45.66 2.87 0.00	40.16 2.45 0.00	34.08 1.87 0.00	31.24 1.57 0.00	30.29 1.52 0.00	29.67 1.47 0.00	30.25 1.47 0.00	31.58 1.59 0.00	33.25 1.73 0.00	38.41 2.14 0.00	46.93 3.03 0.00	41.93 2.45 0.00	39.54 2.24 0.00	34.53 1.83 0.00	32.34 1.66 0.00	29.96 1.56 0.00	29.47 1.54 0.00
FORT ORANGE___ 23900	29.52 0.86 0.00	27.52 0.80 0.00	26.93 0.78 0.00	26.19 0.79 0.00	27.40 0.77 0.00	28.68 0.81 0.00	38.72 1.13 0.00	44.12 1.33 0.00	38.80 1.09 0.00	32.96 0.74 0.00	30.35 0.68 0.00	29.43 0.66 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.74 0.75 0.00	32.24 0.73 0.00	37.22 0.94 0.00	45.31 1.40 0.00	40.67 1.18 0.00	38.38 1.08 0.00	33.55 0.85 0.00	31.48 0.80 0.00	29.19 0.79 0.00	28.66 0.73 0.00
FORT_DRUM_COGEN 23780	28.03 -0.63 0.00	26.08 -0.64 0.00	25.49 -0.65 0.00	24.74 -0.66 0.00	25.96 -0.67 0.00	27.25 -0.61 0.00	37.26 -0.34 0.00	42.45 -0.34 0.00	37.33 -0.38 0.00	31.86 -0.35 0.00	29.22 -0.44 0.00	28.28 -0.49 0.00	27.69 -0.51 0.00	28.38 -0.40 0.00	29.57 -0.42 0.00	31.27 -0.25 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.40 -0.08 0.00	37.04 -0.26 0.00	32.44 -0.26 0.00	30.34 -0.34 0.00	27.92 -0.48 0.00	27.29 -0.64 0.00
FOX_HILLS___ESR 323835	30.55 1.89 0.00	28.35 1.63 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.43 1.56 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.09 1.89 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	64.52 3.73 -16.88	136.29 2.92 -93.88	40.12 2.76 -0.06	66.13 2.26 -31.17	35.34 2.30 -2.36	30.36 1.96 0.00	29.82 1.87 -0.01
FPL_FAR_ROCK_GT1 24212	33.14 2.55 -1.93	29.04 2.32 0.00	28.91 2.14 -0.62	28.61 2.11 -1.10	29.77 2.18 -0.96	33.94 2.26 -3.82	40.94 3.34 0.00	50.11 4.20 -3.11	42.99 3.43 -1.85	35.05 2.84 0.00	32.06 2.40 0.00	31.07 2.30 0.00	30.34 2.14 0.00	31.06 2.27 0.00	32.51 2.52 0.00	35.28 2.74 -1.02	40.84 3.45 -1.11	52.81 4.08 -4.82	48.11 3.32 -5.31	46.75 3.21 -6.24	44.01 2.55 -8.76	40.13 2.76 -6.69	30.84 2.36 -0.08	30.28 2.35 0.00
FPL_FAR_ROCK_GT2 23815	33.14 2.55 -1.93	29.04 2.32 0.00	28.91 2.14 -0.62	28.61 2.11 -1.10	29.77 2.18 -0.96	33.94 2.26 -3.82	40.94 3.34 0.00	50.11 4.20 -3.11	42.99 3.43 -1.85	35.05 2.84 0.00	32.06 2.40 0.00	31.07 2.30 0.00	30.34 2.14 0.00	31.06 2.27 0.00	32.51 2.52 0.00	35.28 2.74 -1.02	40.84 3.45 -1.11	52.81 4.08 -4.82	48.11 3.32 -5.31	46.75 3.21 -6.24	44.01 2.55 -8.76	40.13 2.76 -6.69	30.84 2.36 -0.08	30.28 2.35 0.00



FRANKLIN_FALL_HYD 24054	28.00 -0.66 0.00	26.24 -0.48 0.00	25.91 -0.24 0.00	25.20 -0.20 0.00	26.55 -0.08 0.00	27.78 -0.08 0.00	37.67 0.08 0.00	42.63 -0.17 0.00	37.74 0.04 0.00	32.73 0.52 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.36 0.58 0.00	30.62 0.63 0.00	32.31 0.79 0.00	36.96 0.69 0.00	44.21 0.31 0.00	40.08 0.59 0.00	37.97 0.67 0.00	33.36 0.65 0.00	31.26 0.58 0.00	28.88 0.48 0.00	28.55 0.61 0.00
FREEPORT_EQUS_GT1 23764	32.94 2.35 -1.93	28.86 2.14 0.00	28.75 1.99 -0.62	28.46 1.96 -1.10	29.61 2.02 -0.96	33.80 2.12 -3.82	40.71 3.12 0.00	49.80 3.89 -3.11	42.76 3.20 -1.85	34.86 2.64 0.00	31.86 2.20 0.00	30.86 2.10 0.00	30.14 1.94 0.00	30.86 2.07 0.00	32.30 2.31 0.00	35.07 2.52 -1.02	40.54 3.15 -1.11	52.94 4.22 -4.82	48.27 3.48 -5.31	46.90 3.36 -6.24	44.14 2.68 -8.76	39.91 2.55 -6.69	30.67 2.19 -0.08	30.14 2.21 0.00
FREEPORT___CT2 23818	32.94 2.35 -1.93	28.86 2.14 0.00	28.75 1.99 -0.62	28.46 1.96 -1.10	29.61 2.02 -0.96	33.80 2.12 -3.82	40.71 3.12 0.00	49.80 3.89 -3.11	42.76 3.20 -1.85	34.86 2.64 0.00	31.86 2.20 0.00	30.86 2.10 0.00	30.14 1.94 0.00	30.86 2.07 0.00	32.30 2.31 0.00	35.07 2.52 -1.02	40.54 3.15 -1.11	52.94 4.22 -4.82	48.27 3.48 -5.31	46.90 3.36 -6.24	44.14 2.68 -8.76	39.91 2.55 -6.69	30.67 2.19 -0.08	30.14 2.21 0.00
FRESHKLS_33_KV_LOAD 356253	30.47 1.81 0.00	28.27 1.55 0.00	27.61 1.46 0.00	26.80 1.40 0.00	28.06 1.44 0.00	29.34 1.48 0.00	40.00 2.41 0.00	45.96 3.17 0.00	40.31 2.60 0.00	34.41 2.19 0.00	31.50 1.84 0.00	30.60 1.84 0.00	29.98 1.78 0.00	30.54 1.76 0.00	31.88 1.89 0.00	33.57 2.05 0.00	38.86 2.58 -0.02	64.48 3.69 -16.88	136.25 2.88 -93.88	40.04 2.69 -0.06	66.10 2.22 -31.17	35.31 2.27 -2.36	30.27 1.87 0.00	29.73 1.79 -0.01
FULTON COGEN____ 23766	28.00 -0.66 0.00	26.13 -0.59 0.00	25.54 -0.60 0.00	24.79 -0.61 0.00	26.01 -0.61 0.00	27.14 -0.72 0.00	36.51 -1.09 0.00	41.56 -1.24 0.00	36.61 -1.09 0.00	31.35 -0.87 0.00	28.86 -0.80 0.00	27.96 -0.81 0.00	27.41 -0.79 0.00	28.01 -0.78 0.00	29.18 -0.81 0.00	30.67 -0.85 0.00	35.26 -1.02 0.00	42.81 -1.10 0.00	38.38 -1.11 0.00	36.22 -1.08 0.00	31.82 -0.88 0.00	29.82 -0.86 0.00	27.60 -0.80 0.00	27.13 -0.81 0.00
FULTON___LFGE 323630	32.01 3.35 0.00	29.87 3.15 0.00	29.15 3.01 0.00	28.27 2.87 0.00	29.82 3.19 0.00	31.57 3.71 0.00	42.75 5.15 0.00	48.44 5.65 0.00	42.23 4.52 0.00	35.63 3.41 0.00	32.60 2.94 0.00	31.64 2.88 0.00	31.08 2.88 0.00	31.84 3.05 0.00	33.26 3.27 0.00	35.24 3.72 0.00	40.59 4.31 0.00	49.75 5.84 0.00	44.70 5.21 0.00	42.00 4.70 0.00	36.62 3.92 0.00	34.36 3.68 0.00	31.58 3.18 0.00	31.07 3.13 0.00
G.F.CEMENT___DRP 24184	30.61 1.95 0.00	28.51 1.79 0.00	27.92 1.78 0.00	27.15 1.75 0.00	28.49 1.86 0.00	30.01 2.15 0.00	40.68 3.08 0.00	46.22 3.42 0.00	40.61 2.90 0.00	34.31 2.09 0.00	31.38 1.72 0.00	30.46 1.70 0.00	29.81 1.61 0.00	30.54 1.76 0.00	31.91 1.92 0.00	33.54 2.02 0.00	38.70 2.43 0.00	47.20 3.29 0.00	42.37 2.88 0.00	39.99 2.69 0.00	34.89 2.19 0.00	32.70 2.02 0.00	30.22 1.82 0.00	29.84 1.90 0.00
GARDENVILLE___LBMP 24039	27.14 -1.52 0.00	25.49 -1.23 0.00	24.89 -1.25 0.00	24.08 -1.32 0.00	25.27 -1.36 0.00	26.72 -1.14 0.00	34.81 -2.78 0.00	38.86 -3.94 0.00	34.35 -3.36 0.00	30.25 -1.97 0.00	27.94 -1.72 0.00	27.12 -1.64 0.00	26.65 -1.55 0.00	27.14 -1.64 0.00	28.04 -1.95 0.00	29.38 -2.14 0.00	33.52 -2.76 0.00	40.61 -3.29 0.00	36.17 -3.32 0.00	34.24 -3.06 0.00	30.81 -1.90 0.00	28.78 -1.90 0.00	26.70 -1.70 0.00	26.68 -1.26 0.00
GARDNVLA_35_KV_LD 355827	27.32 -1.35 0.00	25.62 -1.10 0.00	25.02 -1.12 0.00	24.23 -1.17 0.00	25.40 -1.22 0.00	26.89 -0.98 0.00	35.04 -2.56 0.00	39.12 -3.68 0.00	34.58 -3.13 0.00	30.44 -1.77 0.00	28.15 -1.51 0.00	27.30 -1.47 0.00	26.82 -1.38 0.00	27.32 -1.47 0.00	28.22 -1.77 0.00	29.60 -1.92 0.00	33.73 -2.54 0.00	40.88 -3.03 0.00	36.44 -3.04 0.00	34.47 -2.83 0.00	31.00 -1.70 0.00	28.96 -1.72 0.00	26.89 -1.51 0.00	26.85 -1.09 0.00
GELCKHM___115KV_LOAD 80723	28.20 -0.46 0.00	26.32 -0.40 0.00	25.73 -0.42 0.00	24.97 -0.43 0.00	26.17 -0.45 0.00	27.37 -0.50 0.00	36.73 -0.86 0.00	41.81 -0.98 0.00	36.84 -0.87 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.19 -0.58 0.00	27.61 -0.59 0.00	28.21 -0.58 0.00	29.36 -0.63 0.00	30.86 -0.66 0.00	35.48 -0.80 0.00	43.07 -0.83 0.00	38.62 -0.87 0.00	36.44 -0.86 0.00	32.05 -0.65 0.00	30.04 -0.64 0.00	27.80 -0.60 0.00	27.35 -0.59 0.00
GENERAL___MILLS 23808	27.26 -1.40 0.00	25.60 -1.12 0.00	24.97 -1.18 0.00	24.18 -1.22 0.00	25.37 -1.25 0.00	26.84 -1.03 0.00	34.96 -2.63 0.00	39.03 -3.77 0.00	34.50 -3.21 0.00	30.38 -1.84 0.00	28.06 -1.60 0.00	27.24 -1.52 0.00	26.76 -1.44 0.00	27.26 -1.53 0.00	28.16 -1.83 0.00	29.50 -2.02 0.00	33.66 -2.61 0.00	40.79 -3.12 0.00	36.33 -3.16 0.00	34.39 -2.91 0.00	30.94 -1.77 0.00	28.90 -1.78 0.00	26.81 -1.59 0.00	26.79 -1.15 0.00
GE_PLASTICS___DRP 24183	29.41 0.75 0.00	27.39 0.67 0.00	26.77 0.63 0.00	26.06 0.66 0.00	27.26 0.64 0.00	28.59 0.72 0.00	38.61 1.02 0.00	43.99 1.20 0.00	38.72 1.02 0.00	32.92 0.71 0.00	30.32 0.65 0.00	29.40 0.63 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.68 0.69 0.00	32.21 0.69 0.00	37.14 0.87 0.00	45.18 1.27 0.00	40.47 0.99 0.00	38.27 0.97 0.00	33.45 0.75 0.00	31.42 0.74 0.00	29.14 0.74 0.00	28.61 0.67 0.00
GILBOA___1 23756	29.52 0.86 0.00	27.49 0.78 0.00	26.88 0.73 0.00	26.11 0.71 0.00	27.34 0.72 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.04 1.24 0.00	38.80 1.09 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.90 0.71 0.00	29.53 0.75 0.00	30.77 0.78 0.00	32.34 0.82 0.00	37.25 0.98 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.42 1.12 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.17 0.77 0.00	28.69 0.75 0.00
GILBOA___2 23757	29.52 0.86 0.00	27.49 0.78 0.00	26.88 0.73 0.00	26.11 0.71 0.00	27.34 0.72 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.04 1.24 0.00	38.80 1.09 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.90 0.71 0.00	29.53 0.75 0.00	30.77 0.78 0.00	32.34 0.82 0.00	37.25 0.98 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.42 1.12 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.17 0.77 0.00	28.69 0.75 0.00
GILBOA___3 23758	29.52 0.86 0.00	27.49 0.78 0.00	26.88 0.73 0.00	26.11 0.71 0.00	27.34 0.72 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.04 1.24 0.00	38.80 1.09 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.90 0.71 0.00	29.53 0.75 0.00	30.77 0.78 0.00	32.34 0.82 0.00	37.25 0.98 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.42 1.12 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.17 0.77 0.00	28.69 0.75 0.00



GILBOA___4 23759	29.52 0.86 0.00	27.49 0.78 0.00	26.88 0.73 0.00	26.11 0.71 0.00	27.34 0.72 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.04 1.24 0.00	38.80 1.09 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.90 0.71 0.00	29.53 0.75 0.00	30.77 0.78 0.00	32.34 0.82 0.00	37.25 0.98 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.42 1.12 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.17 0.77 0.00	28.69 0.75 0.00
GILBOA____ 23599	29.47 0.80 0.00	27.44 0.72 0.00	26.82 0.68 0.00	26.08 0.69 0.00	27.32 0.69 0.00	28.65 0.78 0.00	38.72 1.13 0.00	44.08 1.28 0.00	38.84 1.13 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.93 0.73 0.00	29.53 0.75 0.00	30.80 0.81 0.00	32.34 0.82 0.00	37.25 0.98 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.38 1.08 0.00	33.59 0.88 0.00	31.51 0.83 0.00	29.17 0.77 0.00	28.69 0.75 0.00
GINNA____ 23603	26.37 -2.29 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.32 -2.08 0.00	24.49 -2.13 0.00	25.78 -2.09 0.00	34.36 -3.23 0.00	38.90 -3.89 0.00	34.54 -3.17 0.00	29.67 -2.55 0.00	27.41 -2.26 0.00	26.55 -2.21 0.00	26.14 -2.06 0.00	26.63 -2.16 0.00	27.65 -2.34 0.00	29.06 -2.46 0.00	33.23 -3.05 0.00	40.26 -3.64 0.00	36.13 -3.36 0.00	34.02 -3.28 0.00	30.18 -2.52 0.00	28.13 -2.55 0.00	26.10 -2.30 0.00	25.65 -2.29 0.00
GLEN PARK____ 23778	28.09 -0.57 0.00	26.13 -0.59 0.00	25.52 -0.63 0.00	24.76 -0.63 0.00	25.99 -0.64 0.00	27.34 -0.53 0.00	37.41 -0.19 0.00	42.67 -0.13 0.00	37.48 -0.22 0.00	31.96 -0.26 0.00	29.34 -0.33 0.00	28.33 -0.43 0.00	27.78 -0.42 0.00	28.47 -0.32 0.00	29.69 -0.30 0.00	31.39 -0.13 0.00	36.13 -0.14 0.00	43.99 0.09 0.00	39.56 0.08 0.00	37.19 -0.11 0.00	32.57 -0.13 0.00	30.47 -0.21 0.00	28.00 -0.40 0.00	27.35 -0.59 0.00
GLENDALE_27_KV_LOAD 356172	30.70 2.04 0.00	28.48 1.76 0.00	27.84 1.70 0.00	27.05 1.65 0.00	28.30 1.68 0.00	29.62 1.76 0.00	40.34 2.74 0.00	46.31 3.51 0.00	40.65 2.94 0.00	34.73 2.51 0.00	31.83 2.17 0.00	30.89 2.13 0.00	30.29 2.09 0.00	30.86 2.07 0.00	32.18 2.19 0.00	33.85 2.33 0.00	39.23 2.94 -0.02	47.78 3.86 -0.02	42.52 3.04 0.00	40.25 2.95 0.00	35.02 2.32 0.00	33.05 2.36 -0.01	30.50 2.10 0.00	29.96 2.01 -0.01
GLENWOOD_IC_1_G5 23712	32.86 2.26 -1.93	28.75 2.03 0.00	28.70 1.93 -0.62	28.38 1.88 -1.10	29.51 1.92 -0.96	33.78 2.09 -3.82	40.57 2.97 0.00	49.68 3.77 -3.11	42.73 3.17 -1.85	34.82 2.61 0.00	31.89 2.22 0.00	30.89 2.13 0.00	30.29 2.09 0.00	30.89 2.10 0.00	32.33 2.34 0.00	35.00 2.46 -1.02	40.44 3.05 -1.11	52.77 4.04 -4.82	48.07 3.28 -5.31	46.68 3.13 -6.24	44.01 2.55 -8.76	39.79 2.42 -6.69	30.75 2.27 -0.08	30.12 2.18 0.00
GLENWOOD_IC_2_G1 23688	32.86 2.26 -1.93	28.78 2.06 0.00	28.67 1.91 -0.62	28.35 1.85 -1.10	29.51 1.92 -0.96	33.69 2.01 -3.82	40.56 2.97 0.00	49.63 3.72 -3.11	42.61 3.05 -1.85	34.76 2.54 0.00	31.83 2.16 0.00	30.84 2.07 0.00	30.14 1.94 0.00	30.83 2.04 0.00	32.24 2.25 0.00	34.97 2.43 -1.02	40.40 3.01 -1.11	52.72 3.99 -4.82	48.03 3.24 -5.31	46.71 3.17 -6.24	43.98 2.52 -8.76	39.76 2.39 -6.69	30.58 2.10 -0.08	30.06 2.12 0.00
GLENWOOD_IC_3_G1 23689	32.86 2.26 -1.93	28.78 2.06 0.00	28.67 1.91 -0.62	28.35 1.85 -1.10	29.51 1.92 -0.96	33.69 2.01 -3.82	40.56 2.97 0.00	49.63 3.72 -3.11	42.61 3.05 -1.85	34.76 2.54 0.00	31.83 2.16 0.00	30.84 2.07 0.00	30.14 1.94 0.00	30.83 2.04 0.00	32.24 2.25 0.00	34.97 2.43 -1.02	40.40 3.01 -1.11	52.72 3.99 -4.82	48.03 3.24 -5.31	46.71 3.17 -6.24	43.98 2.52 -8.76	39.76 2.39 -6.69	30.58 2.10 -0.08	30.06 2.12 0.00
GLENWOOD___4 23550	32.86 2.26 -1.93	28.75 2.03 0.00	28.70 1.93 -0.62	28.38 1.88 -1.10	29.51 1.92 -0.96	33.78 2.09 -3.82	40.64 3.05 0.00	49.72 3.81 -3.11	42.76 3.21 -1.85	34.82 2.61 0.00	31.89 2.22 0.00	30.89 2.13 0.00	30.29 2.09 0.00	30.89 2.10 0.00	32.33 2.34 0.00	35.03 2.49 -1.02	40.51 3.12 -1.11	52.85 4.13 -4.82	48.11 3.32 -5.31	46.71 3.17 -6.24	44.05 2.58 -8.76	39.82 2.45 -6.69	30.75 2.27 -0.08	30.12 2.18 0.00
GLENWOOD___5 23614	32.86 2.26 -1.93	28.75 2.03 0.00	28.70 1.93 -0.62	28.38 1.88 -1.10	29.51 1.92 -0.96	33.78 2.09 -3.82	40.64 3.05 0.00	49.72 3.81 -3.11	42.76 3.21 -1.85	34.82 2.61 0.00	31.89 2.22 0.00	30.89 2.13 0.00	30.29 2.09 0.00	30.89 2.10 0.00	32.33 2.34 0.00	35.03 2.49 -1.02	40.51 3.12 -1.11	52.85 4.13 -4.82	48.11 3.32 -5.31	46.71 3.17 -6.24	44.05 2.58 -8.76	39.82 2.45 -6.69	30.75 2.27 -0.08	30.12 2.18 0.00
GLOBAL GREEN_PORT_GT1 23814	34.20 3.61 -1.93	29.98 3.26 0.00	30.14 3.37 -0.62	29.80 3.30 -1.10	31.03 3.44 -0.96	35.45 3.76 -3.82	43.23 5.64 0.00	52.63 6.72 -3.11	45.26 5.69 -1.86	36.66 4.45 0.00	33.49 3.83 0.00	32.30 3.54 0.00	31.41 3.21 0.00	32.21 3.42 0.00	33.95 3.96 0.00	36.99 4.45 -1.03	42.40 5.01 -1.12	55.63 6.89 -4.83	50.49 5.69 -5.31	49.11 5.56 -6.25	46.40 4.94 -8.76	41.94 4.57 -6.69	32.38 3.89 -0.09	31.79 3.86 0.00
GLOBE___DSASP 323697	26.08 -2.58 0.00	24.47 -2.24 0.00	23.92 -2.22 0.00	23.11 -2.29 0.00	24.23 -2.40 0.00	25.61 -2.26 0.00	33.05 -4.55 0.00	36.76 -6.03 0.00	32.50 -5.20 0.00	28.74 -3.48 0.00	26.55 -3.11 0.00	25.77 -2.99 0.00	25.32 -2.88 0.00	25.79 -2.99 0.00	26.63 -3.36 0.00	27.96 -3.56 0.00	31.78 -4.50 0.00	38.29 -5.62 0.00	34.19 -5.29 0.00	32.42 -4.89 0.00	29.27 -3.43 0.00	27.34 -3.34 0.00	25.42 -2.98 0.00	25.45 -2.49 0.00
GOETHSLN___LBMP 323567	19.34 1.75 11.07	28.21 1.50 0.00	27.56 1.41 0.00	26.77 1.37 0.00	28.01 1.38 0.00	29.34 1.48 0.00	40.00 2.41 0.00	45.92 3.12 0.00	40.27 2.56 0.00	34.34 2.13 0.00	31.53 1.87 0.00	30.60 1.84 0.00	29.98 1.78 0.00	30.54 1.76 0.00	31.88 1.89 0.00	33.47 1.95 0.00	38.79 2.50 -0.01	47.21 3.29 -0.01	42.01 2.53 0.00	39.84 2.54 0.00	34.66 1.96 0.00	32.64 1.96 0.00	30.16 1.76 0.00	23.14 1.73 6.53
GOLAH___69_KV_TB 1_2 80279	27.60 -1.06 0.00	25.78 -0.94 0.00	25.28 -0.86 0.00	24.46 -0.94 0.00	25.67 -0.96 0.00	27.06 -0.81 0.00	35.60 -1.99 0.00	40.10 -2.70 0.00	35.48 -2.22 0.00	30.89 -1.32 0.00	28.54 -1.13 0.00	27.64 -1.12 0.00	27.16 -1.04 0.00	27.69 -1.09 0.00	28.70 -1.29 0.00	30.16 -1.36 0.00	34.46 -1.81 0.00	41.75 -2.15 0.00	37.39 -2.09 0.00	35.36 -1.94 0.00	31.59 -1.11 0.00	29.42 -1.26 0.00	27.24 -1.16 0.00	27.02 -0.92 0.00
GOODYEAR_LAKE_HYD 323669	29.90 1.23 0.00	27.84 1.12 0.00	27.22 1.07 0.00	26.41 1.02 0.00	27.72 1.09 0.00	29.18 1.31 0.00	39.55 1.95 0.00	45.06 2.27 0.00	39.59 1.89 0.00	33.73 1.51 0.00	31.03 1.36 0.00	30.09 1.32 0.00	29.47 1.27 0.00	30.11 1.32 0.00	31.40 1.41 0.00	33.03 1.51 0.00	38.01 1.74 0.00	46.32 2.41 0.00	41.50 2.01 0.00	39.17 1.87 0.00	34.30 1.60 0.00	32.18 1.50 0.00	29.68 1.28 0.00	29.17 1.23 0.00



GOUDEY___1 345031	28.69 0.03 0.00	26.77 0.05 0.00	26.17 0.03 0.00	25.40 0.00 0.00	26.65 0.03 0.00	27.98 0.11 0.00	37.56 -0.04 0.00	42.58 -0.21 0.00	37.48 -0.23 0.00	32.15 -0.06 0.00	29.60 -0.06 0.00	28.68 -0.09 0.00	28.11 -0.08 0.00	28.73 -0.06 0.00	29.87 -0.12 0.00	31.39 -0.13 0.00	36.13 -0.15 0.00	43.86 -0.04 0.00	39.25 -0.24 0.00	37.08 -0.22 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.34 -0.06 0.00	27.97 0.03 0.00
GOUDEY___7 23579	28.69 0.03 0.00	26.80 0.08 0.00	26.20 0.05 0.00	25.42 0.03 0.00	26.65 0.03 0.00	28.01 0.14 0.00	37.60 0.00 0.00	42.63 -0.17 0.00	37.52 -0.19 0.00	32.18 -0.03 0.00	29.63 -0.03 0.00	28.71 -0.06 0.00	28.14 -0.06 0.00	28.76 -0.03 0.00	29.90 -0.09 0.00	31.42 -0.09 0.00	36.16 -0.11 0.00	43.91 0.00 0.00	39.29 -0.20 0.00	37.12 -0.19 0.00	32.74 0.03 0.00	30.65 -0.03 0.00	28.37 -0.03 0.00	27.99 0.06 0.00
GOUDEY___8 23580	28.69 0.03 0.00	26.77 0.05 0.00	26.17 0.03 0.00	25.40 0.00 0.00	26.65 0.03 0.00	27.98 0.11 0.00	37.56 -0.04 0.00	42.58 -0.21 0.00	37.48 -0.23 0.00	32.15 -0.06 0.00	29.60 -0.06 0.00	28.68 -0.09 0.00	28.11 -0.08 0.00	28.73 -0.06 0.00	29.87 -0.12 0.00	31.39 -0.13 0.00	36.13 -0.15 0.00	43.86 -0.04 0.00	39.25 -0.24 0.00	37.08 -0.22 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.34 -0.06 0.00	27.97 0.03 0.00
GOWANUS_GT1_1 24077	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_2 24078	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_3 24079	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_4 24080	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_5 24084	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_6 24111	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_7 24112	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT1_8 24113	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT2_1 24114	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_2 24115	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_3 24116	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_4 24117	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01



GOWANUS_GT2_5 24118	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_6 24119	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_7 24120	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT2_8 24121	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_1 24122	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_2 24123	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_3 24124	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_4 24125	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_5 24126	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_6 24127	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_7 24128	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT3_8 24129	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
GOWANUS_GT4_1 24130	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_2 24131	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_3 24132	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01



GOWANUS_GT4_4 24133	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_5 24134	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_6 24135	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_7 24136	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GOWANUS_GT4_8 24137	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GREENBSH_115KV_TB3 55895	29.32 0.66 0.00	27.28 0.56 0.00	26.69 0.55 0.00	25.98 0.58 0.00	27.16 0.53 0.00	28.51 0.64 0.00	38.50 0.90 0.00	43.91 1.11 0.00	38.65 0.94 0.00	32.80 0.58 0.00	30.20 0.53 0.00	29.31 0.55 0.00	28.76 0.56 0.00	29.36 0.58 0.00	30.59 0.60 0.00	32.12 0.60 0.00	37.04 0.76 0.00	45.05 1.14 0.00	40.35 0.87 0.00	38.16 0.86 0.00	33.32 0.62 0.00	31.32 0.64 0.00	29.08 0.68 0.00	28.52 0.59 0.00
GREENDGE_115KV_TB5 80291	28.40 -0.26 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.17 -0.23 0.00	26.44 -0.19 0.00	27.87 0.00 0.00	37.11 -0.49 0.00	41.81 -0.98 0.00	36.84 -0.87 0.00	32.09 -0.13 0.00	29.51 -0.15 0.00	28.56 -0.20 0.00	27.97 -0.23 0.00	28.61 -0.17 0.00	29.75 -0.24 0.00	31.27 -0.25 0.00	35.77 -0.51 0.00	43.25 -0.66 0.00	38.69 -0.79 0.00	36.59 -0.71 0.00	32.67 -0.03 0.00	30.43 -0.25 0.00	28.14 -0.26 0.00	27.77 -0.17 0.00
GREENIDGE___3 23582	28.40 -0.26 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.17 -0.23 0.00	26.44 -0.19 0.00	27.87 0.00 0.00	37.11 -0.49 0.00	41.81 -0.98 0.00	36.84 -0.87 0.00	32.09 -0.13 0.00	29.51 -0.15 0.00	28.56 -0.20 0.00	27.97 -0.23 0.00	28.61 -0.17 0.00	29.75 -0.24 0.00	31.27 -0.25 0.00	35.77 -0.51 0.00	43.25 -0.66 0.00	38.69 -0.79 0.00	36.59 -0.71 0.00	32.67 -0.03 0.00	30.43 -0.25 0.00	28.14 -0.26 0.00	27.77 -0.17 0.00
GREENIDGE___4 23583	28.43 -0.23 0.00	26.58 -0.13 0.00	25.99 -0.16 0.00	25.22 -0.18 0.00	26.49 -0.13 0.00	27.92 0.06 0.00	37.41 -0.19 0.00	41.94 -0.86 0.00	37.44 -0.26 0.00	32.09 -0.13 0.00	29.54 -0.12 0.00	28.59 -0.17 0.00	28.09 -0.11 0.00	28.64 -0.14 0.00	29.81 -0.18 0.00	31.30 -0.22 0.00	35.84 -0.43 0.00	43.25 -0.66 0.00	38.77 -0.71 0.00	36.78 -0.52 0.00	32.67 -0.03 0.00	30.43 -0.25 0.00	28.23 -0.17 0.00	27.77 -0.17 0.00
GREENLWN_69_KV_BK 3 55738	33.03 2.44 -1.93	28.91 2.19 0.00	28.88 2.12 -0.62	28.56 2.06 -1.10	29.72 2.13 -0.96	33.98 2.29 -3.82	40.98 3.38 -0.01	50.11 4.19 -3.12	43.11 3.54 -1.86	35.02 2.80 0.00	32.04 2.37 0.00	31.07 2.30 0.00	30.43 2.23 0.00	31.03 2.25 0.00	32.48 2.49 0.00	35.32 2.77 -1.03	40.80 3.41 -1.12	53.17 4.43 -4.83	48.43 3.63 -5.32	47.02 3.47 -6.25	44.31 2.85 -8.76	40.10 2.73 -6.69	30.96 2.47 -0.09	30.31 2.37 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01
GRISSOM___SOLAR 323813	32.01 3.35 0.00	29.87 3.15 0.00	29.15 3.01 0.00	28.27 2.87 0.00	29.82 3.19 0.00	31.57 3.71 0.00	42.75 5.15 0.00	48.44 5.65 0.00	42.23 4.52 0.00	35.63 3.41 0.00	32.60 2.94 0.00	31.64 2.88 0.00	31.08 2.88 0.00	31.84 3.05 0.00	33.26 3.27 0.00	35.24 3.72 0.00	40.59 4.31 0.00	49.75 5.84 0.00	44.70 5.21 0.00	42.00 4.70 0.00	36.62 3.92 0.00	34.36 3.68 0.00	31.58 3.18 0.00	31.07 3.13 0.00
GROVEVILLE___HYD 323602	30.35 1.69 0.00	28.24 1.52 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.06 1.44 0.00	29.40 1.53 0.00	40.00 2.41 0.00	45.66 2.87 0.00	40.16 2.45 0.00	34.08 1.87 0.00	31.24 1.57 0.00	30.29 1.52 0.00	29.67 1.47 0.00	30.25 1.47 0.00	31.58 1.59 0.00	33.25 1.73 0.00	38.41 2.14 0.00	46.93 3.03 0.00	41.93 2.45 0.00	39.54 2.24 0.00	34.53 1.83 0.00	32.34 1.66 0.00	29.96 1.56 0.00	29.47 1.54 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00
HAMLTNNY_34_KV_TB 80303	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.59 -0.28 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.83 -0.39 0.00	29.31 -0.36 0.00	28.42 -0.35 0.00	27.83 -0.37 0.00	28.47 -0.32 0.00	29.63 -0.36 0.00	31.11 -0.41 0.00	35.77 -0.51 0.00	43.42 -0.48 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.34 -0.36 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00



HAMPSHIRE___PAPER_HYD 323593	27.60 -1.06 0.00	25.73 -0.99 0.00	25.20 -0.94 0.00	24.49 -0.91 0.00	25.69 -0.93 0.00	26.97 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.88 -0.83 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.61 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.65 -0.83 0.00	36.52 -0.79 0.00	32.05 -0.65 0.00	30.00 -0.68 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00
HARDSCRABBLE_WT_PWR 323673	28.52 -0.14 0.00	26.56 -0.16 0.00	26.01 -0.13 0.00	25.32 -0.08 0.00	26.57 -0.05 0.00	27.87 0.00 0.00	37.71 0.11 0.00	43.01 0.22 0.00	37.86 0.15 0.00	32.31 0.10 0.00	29.75 0.09 0.00	28.85 0.09 0.00	28.28 0.08 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.74 0.22 0.00	36.56 0.29 0.00	44.43 0.53 0.00	39.92 0.44 0.00	37.71 0.41 0.00	33.03 0.33 0.00	30.99 0.31 0.00	28.63 0.23 0.00	28.11 0.17 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	30.01 1.35 0.00	27.92 1.20 0.00	27.27 1.12 0.00	26.52 1.12 0.00	27.74 1.12 0.00	29.09 1.23 0.00	39.59 1.99 0.00	45.19 2.40 0.00	39.71 2.00 0.00	33.73 1.51 0.00	30.97 1.31 0.00	30.03 1.27 0.00	29.41 1.21 0.00	29.99 1.21 0.00	31.31 1.32 0.00	32.91 1.39 0.00	38.09 1.81 0.00	46.45 2.55 0.00	41.50 2.01 0.00	39.20 1.90 0.00	34.21 1.50 0.00	32.06 1.38 0.00	29.68 1.28 0.00	29.19 1.26 0.00
HARSNRAD_115KV_TB1 81005	26.68 -1.98 0.00	25.03 -1.68 0.00	24.45 -1.70 0.00	23.65 -1.75 0.00	24.79 -1.84 0.00	26.22 -1.64 0.00	33.99 -3.61 0.00	37.87 -4.92 0.00	33.52 -4.19 0.00	29.57 -2.64 0.00	27.35 -2.31 0.00	26.52 -2.24 0.00	26.06 -2.14 0.00	26.54 -2.25 0.00	27.41 -2.58 0.00	28.78 -2.74 0.00	32.76 -3.52 0.00	39.56 -4.35 0.00	35.30 -4.19 0.00	33.42 -3.88 0.00	30.12 -2.58 0.00	28.13 -2.55 0.00	26.13 -2.27 0.00	26.12 -1.82 0.00
HARZA MOOSE___RIVER 24016	28.72 0.06 0.00	26.74 0.03 0.00	26.14 0.00 0.00	25.40 0.00 0.00	26.65 0.03 0.00	28.01 0.14 0.00	38.12 0.53 0.00	43.44 0.64 0.00	38.23 0.53 0.00	32.60 0.39 0.00	29.96 0.30 0.00	29.02 0.26 0.00	28.43 0.23 0.00	29.07 0.29 0.00	30.29 0.30 0.00	31.93 0.41 0.00	36.75 0.47 0.00	44.61 0.70 0.00	40.12 0.63 0.00	37.79 0.48 0.00	33.06 0.36 0.00	30.96 0.28 0.00	28.54 0.14 0.00	27.97 0.03 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	28.23 -0.43 0.00	26.34 -0.37 0.00	25.75 -0.39 0.00	24.99 -0.41 0.00	26.20 -0.43 0.00	27.37 -0.50 0.00	36.73 -0.86 0.00	41.81 -0.98 0.00	36.84 -0.87 0.00	31.54 -0.68 0.00	29.07 -0.59 0.00	28.22 -0.55 0.00	27.64 -0.56 0.00	28.24 -0.55 0.00	29.36 -0.63 0.00	30.86 -0.66 0.00	35.44 -0.83 0.00	43.03 -0.88 0.00	38.58 -0.91 0.00	36.41 -0.90 0.00	32.02 -0.69 0.00	30.04 -0.64 0.00	27.83 -0.57 0.00	27.38 -0.56 0.00
HELLGATE_13_KV_LD 55870	30.61 1.95 0.00	28.43 1.71 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.68 2.02 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.71 1.93 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.90 1.96 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	30.61 1.95 0.00	28.43 1.71 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.68 2.02 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.71 1.93 0.00	32.03 2.04 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.52 3.60 -0.02	42.29 2.80 0.00	40.03 2.72 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.42 2.02 0.00	29.90 1.96 -0.01
HEMPSTEAD____ 23647	32.80 2.21 -1.93	28.72 2.00 0.00	28.62 1.86 -0.62	28.30 1.80 -1.10	29.45 1.86 -0.96	33.64 1.95 -3.82	40.49 2.90 0.00	49.55 3.64 -3.11	42.54 2.98 -1.85	34.70 2.48 0.00	31.74 2.08 0.00	30.75 1.98 0.00	30.03 1.83 0.00	30.74 1.96 0.00	32.18 2.19 0.00	34.91 2.37 -1.02	40.33 2.94 -1.11	52.68 3.95 -4.82	47.99 3.20 -5.31	46.64 3.09 -6.24	43.92 2.45 -8.76	39.70 2.33 -6.69	30.53 2.05 -0.08	30.00 2.07 0.00
HEWLETT_69_KV_BK3 55828	32.91 2.32 -1.93	28.83 2.11 0.00	28.75 1.99 -0.62	28.43 1.93 -1.10	29.56 1.97 -0.96	33.80 2.12 -3.82	40.75 3.16 0.00	49.89 3.98 -3.11	42.87 3.32 -1.85	34.86 2.64 0.00	31.89 2.22 0.00	30.89 2.13 0.00	30.29 2.09 0.00	30.89 2.10 0.00	32.33 2.34 0.00	35.13 2.58 -1.02	40.40 3.01 -1.11	52.54 3.82 -4.82	47.83 3.04 -5.31	46.49 2.95 -6.24	43.98 2.52 -8.76	39.94 2.58 -6.69	30.78 2.30 -0.08	30.12 2.18 0.00
HICKLING___1 23621	28.40 -0.26 0.00	26.58 -0.13 0.00	26.01 -0.13 0.00	25.22 -0.18 0.00	26.47 -0.16 0.00	27.92 0.06 0.00	37.22 -0.38 0.00	41.94 -0.86 0.00	36.99 -0.72 0.00	31.93 -0.29 0.00	29.43 -0.24 0.00	28.51 -0.26 0.00	27.95 -0.25 0.00	28.53 -0.26 0.00	29.63 -0.36 0.00	31.11 -0.41 0.00	35.73 -0.54 0.00	43.42 -0.48 0.00	38.77 -0.71 0.00	36.63 -0.67 0.00	32.54 -0.16 0.00	30.40 -0.28 0.00	28.14 -0.26 0.00	27.85 -0.08 0.00
HICKLING___2 23622	28.40 -0.26 0.00	26.58 -0.13 0.00	26.01 -0.13 0.00	25.22 -0.18 0.00	26.47 -0.16 0.00	27.92 0.06 0.00	37.22 -0.38 0.00	41.94 -0.86 0.00	36.99 -0.72 0.00	31.93 -0.29 0.00	29.43 -0.24 0.00	28.51 -0.26 0.00	27.95 -0.25 0.00	28.53 -0.26 0.00	29.63 -0.36 0.00	31.11 -0.41 0.00	35.73 -0.54 0.00	43.42 -0.48 0.00	38.77 -0.71 0.00	36.63 -0.67 0.00	32.54 -0.16 0.00	30.40 -0.28 0.00	28.14 -0.26 0.00	27.85 -0.08 0.00
HIGH FALLS___HY 23754	30.24 1.58 0.00	28.13 1.42 0.00	27.45 1.31 0.00	26.67 1.27 0.00	27.93 1.30 0.00	29.26 1.39 0.00	39.93 2.33 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.92 1.71 0.00	31.06 1.39 0.00	30.09 1.32 0.00	29.50 1.30 0.00	29.79 1.01 0.00	31.13 1.14 0.00	32.81 1.29 0.00	38.01 1.74 0.00	46.50 2.59 0.00	41.54 2.05 0.00	39.17 1.87 0.00	34.17 1.47 0.00	32.21 1.53 0.00	29.82 1.42 0.00	29.36 1.42 0.00
HILLBURN___GT 23639	30.07 1.40 0.00	28.00 1.28 0.00	27.32 1.18 0.00	26.54 1.14 0.00	27.80 1.17 0.00	29.09 1.22 0.00	39.51 1.92 0.00	45.28 2.48 0.00	39.70 2.00 0.00	33.79 1.58 0.00	31.00 1.34 0.00	30.09 1.32 0.00	29.44 1.24 0.00	30.08 1.30 0.00	31.34 1.35 0.00	32.94 1.42 0.00	38.16 1.89 0.00	46.49 2.59 0.00	41.54 2.05 0.00	39.32 2.01 0.00	34.24 1.54 0.00	32.15 1.47 0.00	29.68 1.28 0.00	29.22 1.29 0.00
HILLSIDE_115KV_TB1 80332	28.15 -0.52 0.00	26.34 -0.37 0.00	25.73 -0.42 0.00	24.97 -0.43 0.00	26.20 -0.43 0.00	27.62 -0.25 0.00	36.81 -0.79 0.00	41.51 -1.28 0.00	36.58 -1.13 0.00	31.51 -0.71 0.00	29.04 -0.62 0.00	28.16 -0.60 0.00	27.61 -0.59 0.00	28.18 -0.60 0.00	29.27 -0.72 0.00	30.70 -0.82 0.00	35.29 -0.98 0.00	42.85 -1.05 0.00	38.30 -1.18 0.00	36.18 -1.12 0.00	32.11 -0.59 0.00	30.04 -0.64 0.00	27.80 -0.60 0.00	27.55 -0.39 0.00



HISHELDN_WT_PWR 323625	27.23 -1.43 0.00	25.52 -1.20 0.00	24.94 -1.20 0.00	24.23 -1.17 0.00	25.45 -1.17 0.00	26.92 -0.95 0.00	35.34 -2.25 0.00	39.41 -3.38 0.00	35.11 -2.60 0.00	30.38 -1.83 0.00	28.09 -1.57 0.00	27.24 -1.53 0.00	26.93 -1.27 0.00	27.29 -1.50 0.00	28.28 -1.71 0.00	29.66 -1.86 0.00	33.81 -2.47 0.00	40.92 -2.99 0.00	36.68 -2.80 0.00	34.58 -2.72 0.00	31.00 -1.70 0.00	28.93 -1.75 0.00	26.98 -1.42 0.00	26.76 -1.17 0.00
HOLTSVILLE_IC_1 23690	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
HOLTSVILLE_IC_10 23699	33.34 2.75 -1.93	29.20 2.49 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.15 2.56 -0.96	34.45 2.76 -3.82	41.77 4.17 0.00	50.92 5.00 -3.12	43.79 4.22 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.38 2.62 0.00	30.57 2.37 0.00	31.35 2.56 0.00	32.96 2.97 0.00	35.88 3.34 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	49.03 4.23 -5.31	47.65 4.10 -6.25	45.06 3.60 -8.76	40.71 3.34 -6.69	31.33 2.84 -0.09	30.79 2.85 0.00
HOLTSVILLE_IC_2 23691	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
HOLTSVILLE_IC_3 23692	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
HOLTSVILLE_IC_4 23693	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
HOLTSVILLE_IC_5 23694	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
HOLTSVILLE_IC_6 23695	33.34 2.75 -1.93	29.20 2.49 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.15 2.56 -0.96	34.45 2.76 -3.82	41.77 4.17 0.00	50.92 5.00 -3.12	43.79 4.22 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.38 2.62 0.00	30.57 2.37 0.00	31.35 2.56 0.00	32.96 2.97 0.00	35.88 3.34 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	49.03 4.23 -5.31	47.65 4.10 -6.25	45.06 3.60 -8.76	40.71 3.34 -6.69	31.33 2.84 -0.09	30.79 2.85 0.00
HOLTSVILLE_IC_7 23696	33.34 2.75 -1.93	29.20 2.49 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.15 2.56 -0.96	34.45 2.76 -3.82	41.77 4.17 0.00	50.92 5.00 -3.12	43.79 4.22 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.38 2.62 0.00	30.57 2.37 0.00	31.35 2.56 0.00	32.96 2.97 0.00	35.88 3.34 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	49.03 4.23 -5.31	47.65 4.10 -6.25	45.06 3.60 -8.76	40.71 3.34 -6.69	31.33 2.84 -0.09	30.79 2.85 0.00
HOLTSVILLE_IC_8 23697	33.34 2.75 -1.93	29.20 2.49 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.15 2.56 -0.96	34.45 2.76 -3.82	41.77 4.17 0.00	50.92 5.00 -3.12	43.79 4.22 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.38 2.62 0.00	30.57 2.37 0.00	31.35 2.56 0.00	32.96 2.97 0.00	35.88 3.34 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	49.03 4.23 -5.31	47.65 4.10 -6.25	45.06 3.60 -8.76	40.71 3.34 -6.69	31.33 2.84 -0.09	30.79 2.85 0.00
HOLTSVILLE_IC_9 23698	33.34 2.75 -1.93	29.20 2.49 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.15 2.56 -0.96	34.45 2.76 -3.82	41.77 4.17 0.00	50.92 5.00 -3.12	43.79 4.22 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.38 2.62 0.00	30.57 2.37 0.00	31.35 2.56 0.00	32.96 2.97 0.00	35.88 3.34 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	49.03 4.23 -5.31	47.65 4.10 -6.25	45.06 3.60 -8.76	40.71 3.34 -6.69	31.33 2.84 -0.09	30.79 2.85 0.00
HOMER_HL_115KV_TB2 355744	27.92 -0.75 0.00	26.21 -0.51 0.00	25.60 -0.55 0.00	24.79 -0.61 0.00	26.01 -0.61 0.00	27.56 -0.31 0.00	36.32 -1.28 0.00	40.53 -2.27 0.00	35.78 -1.92 0.00	31.18 -1.03 0.00	28.83 -0.83 0.00	27.96 -0.81 0.00	27.49 -0.70 0.00	27.95 -0.83 0.00	28.88 -1.11 0.00	30.19 -1.32 0.00	34.68 -1.60 0.00	42.15 -1.76 0.00	37.51 -1.97 0.00	35.47 -1.83 0.00	31.82 -0.88 0.00	29.70 -0.98 0.00	27.52 -0.88 0.00	27.52 -0.42 0.00
HOWARD_WT_PWR 323690	27.97 -0.69 0.00	26.24 -0.48 0.00	25.65 -0.50 0.00	24.94 -0.46 0.00	26.25 -0.37 0.00	27.78 -0.08 0.00	36.92 -0.68 0.00	41.47 -1.33 0.00	36.88 -0.83 0.00	31.76 -0.45 0.00	29.31 -0.35 0.00	28.33 -0.43 0.00	27.92 -0.28 0.00	28.44 -0.34 0.00	29.57 -0.42 0.00	31.05 -0.47 0.00	35.55 -0.73 0.00	43.12 -0.79 0.00	38.58 -0.91 0.00	36.37 -0.93 0.00	32.38 -0.33 0.00	30.19 -0.49 0.00	28.06 -0.34 0.00	27.71 -0.22 0.00
HQ_GEN_CEDARS 23644	28.43 -0.23 0.00	26.56 -0.16 0.00	26.07 -0.08 0.00	25.30 -0.10 0.00	26.57 -0.05 0.00	27.81 -0.06 0.00	37.67 0.08 0.00	42.58 -0.21 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.87 0.21 0.00	28.97 0.20 0.00	28.43 0.23 0.00	28.99 0.20 0.00	30.17 0.18 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.55 -0.35 0.00	39.72 0.24 0.00	37.49 0.19 0.00	32.90 0.20 0.00	30.83 0.15 0.00	28.54 0.14 0.00	28.05 0.11 0.00
HQ_GEN_CEDARS_PROXY 323590	28.43 -0.23 0.00	26.56 -0.16 0.00	26.07 -0.08 0.00	25.30 -0.10 0.00	26.57 -0.05 0.00	27.81 -0.06 0.00	37.67 0.08 0.00	42.97 -0.21 -0.38	37.40 0.08 0.38	32.41 0.19 0.00	29.87 0.21 0.00	28.97 0.20 0.00	28.40 0.20 0.00	28.99 0.20 0.00	30.17 0.18 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.55 -0.35 0.00	39.40 -0.08 0.00	36.23 0.07 1.14	34.01 0.16 -1.14	30.83 0.15 0.00	28.54 0.14 0.00	28.05 0.11 0.00



HQ_GEN_IMPORT 323601	28.49 -0.17 0.00	26.58 -0.13 0.00	26.04 -0.10 0.00	25.30 -0.10 0.00	26.55 -0.08 0.00	27.76 -0.11 0.00	37.52 -0.08 0.00	43.01 -0.17 -0.38	37.21 -0.11 0.38	32.22 0.00 0.00	29.66 0.00 0.00	28.76 0.00 0.00	28.20 0.00 0.00	28.79 0.00 0.00	29.99 0.00 0.00	31.52 0.00 0.00	36.24 -0.04 0.00	43.60 -0.31 0.00	39.40 -0.08 0.00	36.09 -0.07 1.14	33.81 -0.03 -1.14	30.65 -0.03 0.00	28.37 -0.03 0.00	27.94 0.00 0.00
HQ_GEN_WHEEL 23651	28.49 -0.17 0.00	26.58 -0.13 0.00	26.04 -0.10 0.00	25.30 -0.10 0.00	26.55 -0.08 0.00	27.76 -0.11 0.00	37.52 -0.08 0.00	43.01 -0.17 -0.38	37.21 -0.11 0.38	32.22 0.00 0.00	29.66 0.00 0.00	28.76 0.00 0.00	28.20 0.00 0.00	28.79 0.00 0.00	29.99 0.00 0.00	31.52 0.00 0.00	36.24 -0.04 0.00	43.60 -0.31 0.00	39.40 -0.08 0.00	36.09 -0.07 1.14	33.81 -0.03 -1.14	30.65 -0.03 0.00	28.37 -0.03 0.00	27.94 0.00 0.00
HUDSON AVE_GT_3 23810	30.50 1.83 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.01	47.47 3.56 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.73 1.79 0.00
HUDSON AVE_GT_4 23540	30.50 1.83 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.01	47.47 3.56 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.73 1.79 0.00
HUDSON AVE_GT_5 23657	30.50 1.83 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.01	47.47 3.56 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.73 1.79 0.00
HUDSON_AVE_10 24168	30.41 1.75 0.00	28.24 1.52 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.06 1.44 0.00	29.40 1.53 0.00	40.08 2.48 0.00	46.09 3.30 0.00	40.42 2.71 0.00	34.47 2.26 0.00	31.62 1.96 0.00	30.69 1.93 0.00	30.09 1.89 0.00	30.66 1.87 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.97 2.68 -0.01	47.43 3.51 -0.01	42.25 2.76 0.00	40.03 2.72 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.22 1.82 0.00	29.67 1.73 0.00
HUDSON___115KV_TB 4 355613	29.95 1.29 0.00	27.87 1.15 0.00	27.22 1.07 0.00	26.52 1.12 0.00	27.72 1.09 0.00	29.15 1.28 0.00	39.40 1.80 0.00	44.76 1.97 0.00	39.40 1.70 0.00	33.31 1.10 0.00	30.52 0.86 0.00	29.60 0.83 0.00	29.02 0.82 0.00	29.65 0.86 0.00	30.95 0.96 0.00	32.59 1.07 0.00	37.62 1.34 0.00	45.88 1.98 0.00	41.26 1.78 0.00	38.91 1.60 0.00	34.01 1.31 0.00	31.81 1.14 0.00	29.56 1.16 0.00	29.03 1.09 0.00
HUNTER MOUNT___DRP 323613	30.10 1.43 0.00	28.00 1.28 0.00	27.37 1.23 0.00	26.67 1.27 0.00	27.88 1.25 0.00	29.32 1.45 0.00	39.66 2.07 0.00	44.94 2.14 0.00	39.52 1.81 0.00	33.34 1.13 0.00	30.52 0.86 0.00	29.57 0.81 0.00	28.99 0.79 0.00	29.65 0.86 0.00	30.98 0.99 0.00	32.62 1.10 0.00	37.65 1.38 0.00	46.01 2.11 0.00	41.46 1.97 0.00	38.98 1.68 0.00	34.11 1.41 0.00	31.85 1.17 0.00	29.62 1.22 0.00	29.11 1.17 0.00
HUNTINGTON_RES_REC 323705	33.20 2.61 -1.93	29.09 2.38 0.00	29.07 2.30 -0.62	28.74 2.24 -1.10	29.96 2.37 -0.96	34.20 2.51 -3.82	41.32 3.72 0.00	50.50 4.58 -3.12	43.37 3.81 -1.86	35.31 3.09 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.46 2.26 0.00	31.20 2.42 0.00	32.72 2.73 0.00	35.57 3.03 -1.03	41.02 3.63 -1.12	53.56 4.83 -4.83	48.79 3.99 -5.32	47.39 3.84 -6.25	44.70 3.24 -8.76	40.41 3.04 -6.69	31.10 2.61 -0.09	30.56 2.63 0.00
HUNTLEY___63 23557	26.89 -1.78 0.00	25.22 -1.50 0.00	24.63 -1.52 0.00	23.82 -1.57 0.00	24.97 -1.65 0.00	26.42 -1.45 0.00	34.25 -3.35 0.00	38.22 -4.58 0.00	33.82 -3.88 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.78 -1.98 0.00	26.31 -1.89 0.00	26.80 -1.99 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.01 -3.26 0.00	40.00 -3.91 0.00	35.61 -3.87 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.35 -2.04 0.00	26.32 -1.62 0.00
HUNTLEY___64 23558	26.89 -1.78 0.00	25.22 -1.50 0.00	24.63 -1.52 0.00	23.82 -1.57 0.00	24.97 -1.65 0.00	26.42 -1.45 0.00	34.25 -3.35 0.00	38.22 -4.58 0.00	33.82 -3.88 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.78 -1.98 0.00	26.31 -1.89 0.00	26.80 -1.99 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.01 -3.26 0.00	40.00 -3.91 0.00	35.61 -3.87 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.35 -2.04 0.00	26.32 -1.62 0.00
HUNTLEY___65 23559	26.89 -1.78 0.00	25.22 -1.50 0.00	24.63 -1.52 0.00	23.82 -1.57 0.00	24.97 -1.65 0.00	26.42 -1.45 0.00	34.25 -3.35 0.00	38.22 -4.58 0.00	33.82 -3.88 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.78 -1.98 0.00	26.31 -1.89 0.00	26.80 -1.99 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.01 -3.26 0.00	40.00 -3.91 0.00	35.61 -3.87 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.35 -2.04 0.00	26.32 -1.62 0.00
HUNTLEY___66 23560	26.89 -1.78 0.00	25.22 -1.50 0.00	24.63 -1.52 0.00	23.82 -1.57 0.00	24.97 -1.65 0.00	26.42 -1.45 0.00	34.25 -3.35 0.00	38.22 -4.58 0.00	33.82 -3.88 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.78 -1.98 0.00	26.31 -1.89 0.00	26.80 -1.99 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.01 -3.26 0.00	40.00 -3.91 0.00	35.61 -3.87 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.35 -2.04 0.00	26.32 -1.62 0.00
HUNTLEY___67 23561	26.86 -1.81 0.00	25.19 -1.52 0.00	24.60 -1.54 0.00	23.80 -1.60 0.00	24.95 -1.68 0.00	26.39 -1.48 0.00	34.25 -3.35 0.00	38.17 -4.62 0.00	33.75 -3.96 0.00	29.73 -2.48 0.00	27.50 -2.17 0.00	26.69 -2.07 0.00	26.23 -1.97 0.00	26.71 -2.07 0.00	27.59 -2.40 0.00	28.93 -2.58 0.00	32.94 -3.34 0.00	39.82 -4.08 0.00	35.54 -3.95 0.00	33.65 -3.66 0.00	30.32 -2.39 0.00	28.32 -2.36 0.00	26.30 -2.10 0.00	26.29 -1.65 0.00
HUNTLEY___68 23562	26.86 -1.81 0.00	25.19 -1.52 0.00	24.60 -1.54 0.00	23.80 -1.60 0.00	24.95 -1.68 0.00	26.39 -1.48 0.00	34.25 -3.35 0.00	38.17 -4.62 0.00	33.75 -3.96 0.00	29.73 -2.48 0.00	27.50 -2.17 0.00	26.69 -2.07 0.00	26.23 -1.97 0.00	26.71 -2.07 0.00	27.59 -2.40 0.00	28.93 -2.58 0.00	32.94 -3.34 0.00	39.82 -4.08 0.00	35.54 -3.95 0.00	33.65 -3.66 0.00	30.32 -2.39 0.00	28.32 -2.36 0.00	26.30 -2.10 0.00	26.29 -1.65 0.00



HYLAND___LFGE 323620	28.66 0.00 0.00	26.77 0.05 0.00	26.12 -0.03 0.00	25.32 -0.08 0.00	26.65 0.03 0.00	28.26 0.39 0.00	37.71 0.11 0.00	42.58 -0.21 0.00	37.82 0.11 0.00	32.38 0.16 0.00	29.81 0.15 0.00	28.85 0.09 0.00	28.45 0.25 0.00	29.07 0.29 0.00	30.23 0.24 0.00	31.90 0.38 0.00	36.67 0.40 0.00	44.70 0.79 0.00	40.08 0.59 0.00	37.64 0.33 0.00	33.55 0.85 0.00	31.08 0.40 0.00	28.83 0.43 0.00	28.27 0.34 0.00
INDECK___CORINTH 23802	30.52 1.86 0.00	28.45 1.74 0.00	27.90 1.75 0.00	27.07 1.68 0.00	28.44 1.81 0.00	29.93 2.06 0.00	40.49 2.90 0.00	46.05 3.25 0.00	40.42 2.72 0.00	34.15 1.93 0.00	31.23 1.57 0.00	30.32 1.55 0.00	29.64 1.44 0.00	30.37 1.58 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.45 2.18 0.00	46.89 2.99 0.00	42.17 2.69 0.00	39.76 2.46 0.00	34.70 2.00 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.75 1.81 0.00
INDECK___ILION 23567	28.81 0.14 0.00	26.82 0.11 0.00	26.25 0.10 0.00	25.53 0.13 0.00	26.76 0.13 0.00	28.06 0.20 0.00	37.93 0.34 0.00	43.22 0.43 0.00	38.05 0.34 0.00	32.47 0.26 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.40 0.20 0.00	29.02 0.23 0.00	30.26 0.27 0.00	31.80 0.28 0.00	36.64 0.36 0.00	44.48 0.57 0.00	39.96 0.47 0.00	37.71 0.41 0.00	33.03 0.33 0.00	30.99 0.31 0.00	28.66 0.26 0.00	28.16 0.22 0.00
INDECK___OLEAN 23982	28.06 -0.60 0.00	26.32 -0.40 0.00	25.67 -0.47 0.00	24.92 -0.48 0.00	26.20 -0.43 0.00	27.67 -0.19 0.00	36.54 -1.05 0.00	40.70 -2.10 0.00	36.16 -1.55 0.00	31.15 -1.06 0.00	28.86 -0.80 0.00	27.99 -0.78 0.00	27.64 -0.56 0.00	28.01 -0.78 0.00	28.97 -1.02 0.00	30.29 -1.23 0.00	34.72 -1.56 0.00	42.15 -1.76 0.00	37.67 -1.82 0.00	35.55 -1.75 0.00	31.82 -0.88 0.00	29.73 -0.95 0.00	27.63 -0.77 0.00	27.52 -0.42 0.00
INDECK___OSWEGO 23783	27.86 -0.80 0.00	25.94 -0.78 0.00	25.39 -0.76 0.00	24.66 -0.74 0.00	25.83 -0.80 0.00	27.03 -0.84 0.00	36.36 -1.24 0.00	41.39 -1.41 0.00	36.50 -1.21 0.00	31.22 -1.00 0.00	28.74 -0.92 0.00	27.84 -0.92 0.00	27.33 -0.87 0.00	27.89 -0.89 0.00	29.06 -0.93 0.00	30.51 -1.01 0.00	35.08 -1.20 0.00	42.59 -1.32 0.00	38.22 -1.27 0.00	36.07 -1.23 0.00	31.69 -1.01 0.00	29.70 -0.98 0.00	27.49 -0.91 0.00	27.02 -0.92 0.00
INDECK___YERKES 23781	27.00 -1.66 0.00	25.33 -1.39 0.00	24.71 -1.44 0.00	23.95 -1.45 0.00	25.13 -1.49 0.00	26.59 -1.28 0.00	34.62 -2.97 0.00	38.48 -4.32 0.00	34.39 -3.32 0.00	29.90 -2.32 0.00	27.68 -1.99 0.00	26.84 -1.93 0.00	26.59 -1.61 0.00	26.88 -1.90 0.00	27.83 -2.16 0.00	29.15 -2.36 0.00	33.12 -3.16 0.00	40.04 -3.86 0.00	35.85 -3.63 0.00	33.79 -3.51 0.00	30.45 -2.26 0.00	28.41 -2.27 0.00	26.55 -1.85 0.00	26.35 -1.59 0.00
INDIAN POINT_GT_1 24139	30.15 1.49 0.00	28.05 1.34 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.85 1.22 0.00	29.21 1.34 0.00	39.70 2.11 0.00	45.49 2.70 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.21 1.54 0.00	30.26 1.50 0.00	29.67 1.47 0.00	30.22 1.44 0.00	31.55 1.56 0.00	33.19 1.67 0.00	38.38 2.10 0.00	46.76 2.85 0.00	41.73 2.25 0.00	39.47 2.16 0.00	34.44 1.73 0.00	32.31 1.63 0.00	29.88 1.48 0.00	29.39 1.45 0.00
INDIAN POINT_GT_2 23659	30.15 1.49 0.00	28.05 1.34 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.85 1.22 0.00	29.21 1.34 0.00	39.70 2.11 0.00	45.49 2.70 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.21 1.54 0.00	30.26 1.50 0.00	29.67 1.47 0.00	30.22 1.44 0.00	31.55 1.56 0.00	33.19 1.67 0.00	38.38 2.10 0.00	46.76 2.85 0.00	41.73 2.25 0.00	39.47 2.16 0.00	34.44 1.73 0.00	32.31 1.63 0.00	29.88 1.48 0.00	29.39 1.45 0.00
INDIAN POINT_GT_3 24019	30.15 1.49 0.00	28.05 1.34 0.00	27.40 1.25 0.00	26.62 1.22 0.00	27.85 1.22 0.00	29.21 1.34 0.00	39.70 2.11 0.00	45.49 2.70 0.00	39.97 2.26 0.00	33.99 1.77 0.00	31.21 1.54 0.00	30.26 1.50 0.00	29.67 1.47 0.00	30.22 1.44 0.00	31.55 1.56 0.00	33.19 1.67 0.00	38.38 2.10 0.00	46.76 2.85 0.00	41.73 2.25 0.00	39.47 2.16 0.00	34.44 1.73 0.00	32.31 1.63 0.00	29.88 1.48 0.00	29.39 1.45 0.00
INDIAN POINT___2 23530	30.12 1.46 0.00	28.03 1.31 0.00	27.35 1.20 0.00	26.59 1.19 0.00	27.85 1.23 0.00	29.12 1.26 0.00	39.55 1.95 0.00	45.32 2.52 0.00	39.74 2.03 0.00	33.86 1.64 0.00	31.06 1.39 0.00	30.14 1.38 0.00	29.50 1.30 0.00	30.14 1.35 0.00	31.40 1.41 0.00	33.03 1.51 0.00	38.23 1.96 0.00	46.58 2.68 0.00	41.61 2.13 0.00	39.39 2.09 0.00	34.30 1.60 0.00	32.21 1.53 0.00	29.73 1.34 0.00	29.28 1.34 0.00
INDIAN POINT___3 23531	30.24 1.58 0.00	28.13 1.42 0.00	27.48 1.33 0.00	26.69 1.30 0.00	27.96 1.33 0.00	29.29 1.42 0.00	39.85 2.26 0.00	45.66 2.87 0.00	40.08 2.38 0.00	34.12 1.90 0.00	31.32 1.66 0.00	30.37 1.61 0.00	29.78 1.58 0.00	30.34 1.55 0.00	31.67 1.68 0.00	33.28 1.77 0.00	38.52 2.25 0.00	46.94 3.03 0.00	41.85 2.37 0.00	39.62 2.31 0.00	34.53 1.83 0.00	32.43 1.75 0.00	29.96 1.56 0.00	29.47 1.54 0.00
INGHAM_C_115KV_TB7 356103	28.58 -0.09 0.00	26.61 -0.11 0.00	26.07 -0.08 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.90 0.03 0.00	37.75 0.15 0.00	43.05 0.26 0.00	37.90 0.19 0.00	32.31 0.10 0.00	29.75 0.09 0.00	28.85 0.09 0.00	28.28 0.08 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.74 0.22 0.00	36.56 0.29 0.00	44.39 0.48 0.00	39.88 0.39 0.00	37.68 0.37 0.00	33.00 0.29 0.00	30.99 0.31 0.00	28.63 0.23 0.00	28.10 0.17 0.00
IP CORINTH___1 23988	30.50 1.83 0.00	28.37 1.66 0.00	27.82 1.67 0.00	27.05 1.65 0.00	28.38 1.76 0.00	29.93 2.06 0.00	40.53 2.93 0.00	46.01 3.21 0.00	40.46 2.75 0.00	34.15 1.93 0.00	31.24 1.57 0.00	30.29 1.52 0.00	29.67 1.47 0.00	30.40 1.61 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.49 2.21 0.00	46.89 2.99 0.00	42.13 2.65 0.00	39.73 2.42 0.00	34.70 1.99 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.75 1.82 0.00
IP___TICONDEROGA 23804	31.56 2.89 0.00	29.39 2.67 0.00	28.76 2.61 0.00	27.96 2.57 0.00	29.39 2.77 0.00	31.10 3.23 0.00	42.18 4.59 0.00	47.89 5.09 0.00	42.04 4.34 0.00	35.44 3.22 0.00	32.33 2.67 0.00	31.38 2.62 0.00	30.65 2.45 0.00	31.49 2.71 0.00	32.93 2.94 0.00	34.64 3.12 0.00	39.94 3.66 0.00	48.78 4.87 0.00	43.91 4.42 0.00	41.29 3.99 0.00	36.04 3.34 0.00	33.75 3.07 0.00	31.10 2.70 0.00	30.76 2.82 0.00
ISLIP_RES_REC 323679	33.46 2.87 -1.93	29.31 2.59 0.00	29.41 2.64 -0.62	29.07 2.56 -1.10	30.25 2.66 -0.96	34.59 2.90 -3.82	41.96 4.36 0.00	51.17 5.26 -3.12	44.01 4.45 -1.86	35.73 3.51 0.00	32.63 2.97 0.00	31.53 2.76 0.00	30.71 2.51 0.00	31.49 2.71 0.00	33.11 3.12 0.00	36.07 3.53 -1.03	41.42 4.03 -1.12	54.22 5.49 -4.83	49.26 4.46 -5.31	47.87 4.33 -6.25	45.26 3.79 -8.76	40.89 3.53 -6.69	31.47 2.98 -0.09	30.93 2.99 0.00



JAMAICA__27_KV_LOAD 355505	30.50 1.83 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.51 1.64 0.00	40.34 2.74 0.00	46.43 3.64 0.00	40.76 3.05 0.00	34.79 2.58 0.00	31.92 2.25 0.00	30.98 2.21 0.00	30.37 2.17 0.00	30.92 2.13 0.00	32.27 2.28 0.00	33.91 2.40 0.00	39.37 3.08 -0.01	47.96 4.04 -0.01	42.68 3.20 0.00	40.47 3.17 0.00	35.16 2.45 0.00	33.07 2.39 0.00	30.42 2.02 0.00	29.81 1.87 0.00
JANIS__SOLAR 323808	29.84 1.18 0.00	27.81 1.10 0.00	27.16 1.02 0.00	26.39 0.99 0.00	27.74 1.12 0.00	29.23 1.37 0.00	39.62 2.03 0.00	45.11 2.31 0.00	39.55 1.85 0.00	33.67 1.45 0.00	30.91 1.25 0.00	29.92 1.15 0.00	29.30 1.10 0.00	30.05 1.27 0.00	31.34 1.35 0.00	33.03 1.51 0.00	38.12 1.85 0.00	46.49 2.59 0.00	41.77 2.29 0.00	39.28 1.98 0.00	34.50 1.80 0.00	32.21 1.53 0.00	29.73 1.34 0.00	29.14 1.20 0.00
JARVIS____ 23743	28.84 0.17 0.00	26.85 0.13 0.00	26.28 0.13 0.00	25.53 0.13 0.00	26.76 0.13 0.00	28.01 0.14 0.00	37.86 0.27 0.00	43.14 0.34 0.00	37.97 0.27 0.00	32.38 0.16 0.00	29.81 0.15 0.00	28.91 0.14 0.00	28.34 0.14 0.00	28.93 0.14 0.00	30.14 0.15 0.00	31.71 0.19 0.00	36.49 0.22 0.00	44.30 0.39 0.00	39.76 0.28 0.00	37.57 0.26 0.00	32.87 0.16 0.00	30.83 0.15 0.00	28.54 0.14 0.00	28.05 0.11 0.00
JENNISON____1 23625	30.12 1.46 0.00	28.08 1.36 0.00	27.40 1.25 0.00	26.59 1.19 0.00	27.96 1.33 0.00	29.46 1.59 0.00	40.04 2.44 0.00	45.58 2.78 0.00	39.93 2.22 0.00	34.05 1.84 0.00	31.29 1.63 0.00	30.32 1.55 0.00	29.69 1.49 0.00	30.43 1.64 0.00	31.70 1.71 0.00	33.38 1.86 0.00	38.45 2.18 0.00	46.93 3.03 0.00	42.05 2.57 0.00	39.58 2.28 0.00	34.80 2.09 0.00	32.52 1.84 0.00	29.96 1.56 0.00	29.42 1.48 0.00
JENNISON____2 23626	30.12 1.46 0.00	28.08 1.36 0.00	27.40 1.25 0.00	26.59 1.19 0.00	27.96 1.33 0.00	29.46 1.59 0.00	40.04 2.44 0.00	45.58 2.78 0.00	39.93 2.22 0.00	34.05 1.84 0.00	31.29 1.63 0.00	30.32 1.55 0.00	29.69 1.49 0.00	30.43 1.64 0.00	31.70 1.71 0.00	33.38 1.86 0.00	38.45 2.18 0.00	46.93 3.03 0.00	42.05 2.57 0.00	39.58 2.28 0.00	34.80 2.09 0.00	32.52 1.84 0.00	29.96 1.56 0.00	29.42 1.48 0.00
JERICOHO_RISE_WT_PWR 323719	27.74 -0.92 0.00	26.00 -0.72 0.00	25.70 -0.44 0.00	25.02 -0.38 0.00	26.39 -0.24 0.00	27.50 -0.36 0.00	37.33 -0.26 0.00	42.16 -0.64 0.00	37.29 -0.41 0.00	32.44 0.23 0.00	29.96 0.30 0.00	29.05 0.29 0.00	28.54 0.34 0.00	29.04 0.26 0.00	30.32 0.33 0.00	32.02 0.50 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.44 -0.04 0.00	37.15 -0.15 0.00	33.03 0.33 0.00	30.99 0.31 0.00	28.65 0.26 0.00	28.47 0.53 0.00
KATONAH__115KV_46KV_TB4 355592	30.41 1.75 0.00	28.27 1.55 0.00	27.61 1.46 0.00	26.85 1.45 0.00	28.04 1.41 0.00	29.40 1.53 0.00	40.00 2.41 0.00	45.83 3.04 0.00	40.35 2.64 0.00	34.28 2.06 0.00	31.44 1.78 0.00	30.49 1.73 0.00	29.86 1.66 0.00	30.43 1.64 0.00	31.76 1.77 0.00	33.50 1.99 0.00	38.67 2.39 0.00	47.20 3.29 0.00	42.13 2.65 0.00	39.76 2.46 0.00	34.73 2.03 0.00	32.52 1.84 0.00	30.08 1.68 0.00	29.59 1.65 0.00
KCE_NY_1 323755	30.35 1.69 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.20 1.57 0.00	29.60 1.73 0.00	40.00 2.41 0.00	45.58 2.78 0.00	40.01 2.30 0.00	33.92 1.71 0.00	31.15 1.48 0.00	30.23 1.47 0.00	29.58 1.38 0.00	30.28 1.50 0.00	31.61 1.62 0.00	33.22 1.70 0.00	38.30 2.03 0.00	46.63 2.72 0.00	41.85 2.37 0.00	39.54 2.24 0.00	34.53 1.83 0.00	32.40 1.72 0.00	29.93 1.53 0.00	29.50 1.56 0.00
KCE_NY_6_ESR 323823	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.31 -1.09 0.00	25.53 -1.09 0.00	27.00 -0.86 0.00	35.30 -2.29 0.00	39.29 -3.51 0.00	35.03 -2.68 0.00	30.41 -1.80 0.00	28.15 -1.51 0.00	27.30 -1.47 0.00	27.02 -1.18 0.00	27.32 -1.47 0.00	28.28 -1.71 0.00	29.63 -1.89 0.00	33.73 -2.54 0.00	40.83 -3.07 0.00	36.56 -2.92 0.00	34.50 -2.80 0.00	31.00 -1.70 0.00	28.93 -1.75 0.00	27.01 -1.39 0.00	26.82 -1.12 0.00
KEDC_PORT_JEFF_GT2 24210	33.29 2.69 -1.93	29.15 2.43 0.00	29.25 2.49 -0.62	28.92 2.41 -1.10	30.12 2.53 -0.96	34.39 2.70 -3.82	41.70 4.10 0.00	50.83 4.92 -3.12	43.71 4.15 -1.86	35.50 3.29 0.00	32.42 2.76 0.00	31.32 2.56 0.00	30.54 2.34 0.00	31.29 2.50 0.00	32.90 2.91 0.00	35.82 3.28 -1.03	41.13 3.74 -1.12	53.69 4.96 -4.83	48.83 4.03 -5.32	47.47 3.92 -6.25	45.00 3.53 -8.76	40.65 3.28 -6.69	31.30 2.81 -0.09	30.76 2.82 0.00
KEDC_PORT_JEFF_GT3 24211	33.29 2.69 -1.93	29.15 2.43 0.00	29.25 2.49 -0.62	28.92 2.41 -1.10	30.12 2.53 -0.96	34.39 2.70 -3.82	41.70 4.10 0.00	50.83 4.92 -3.12	43.71 4.15 -1.86	35.50 3.29 0.00	32.42 2.76 0.00	31.32 2.56 0.00	30.54 2.34 0.00	31.29 2.50 0.00	32.90 2.91 0.00	35.82 3.28 -1.03	41.13 3.74 -1.12	53.69 4.96 -4.83	48.83 4.03 -5.32	47.47 3.92 -6.25	45.00 3.53 -8.76	40.65 3.28 -6.69	31.30 2.81 -0.09	30.76 2.82 0.00
KEDC_GLWD_GT4 24219	32.94 2.35 -1.93	28.86 2.14 0.00	28.73 1.96 -0.62	28.43 1.93 -1.10	29.59 2.00 -0.96	33.78 2.09 -3.82	40.57 2.97 0.00	49.63 3.72 -3.11	42.61 3.05 -1.85	34.86 2.64 0.00	31.92 2.25 0.00	30.92 2.16 0.00	30.20 2.00 0.00	30.92 2.13 0.00	32.36 2.37 0.00	34.97 2.43 -1.02	40.44 3.05 -1.11	52.76 4.04 -4.82	48.07 3.28 -5.31	46.71 3.17 -6.24	43.98 2.52 -8.76	39.79 2.42 -6.69	30.67 2.19 -0.08	30.14 2.21 0.00
KEDC_GLWD_GT5 24220	32.94 2.35 -1.93	28.86 2.14 0.00	28.73 1.96 -0.62	28.43 1.93 -1.10	29.59 2.00 -0.96	33.78 2.09 -3.82	40.57 2.97 0.00	49.63 3.72 -3.11	42.61 3.05 -1.85	34.86 2.64 0.00	31.92 2.25 0.00	30.92 2.16 0.00	30.20 2.00 0.00	30.92 2.13 0.00	32.36 2.37 0.00	34.97 2.43 -1.02	40.44 3.05 -1.11	52.76 4.04 -4.82	48.07 3.28 -5.31	46.71 3.17 -6.24	43.98 2.52 -8.76	39.79 2.42 -6.69	30.67 2.19 -0.08	30.14 2.21 0.00
KENSICO____ 23655	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.16 2.45 0.00	34.18 1.97 0.00	31.35 1.69 0.00	30.43 1.67 0.00	29.84 1.64 0.00	30.40 1.61 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.60 2.32 0.00	47.02 3.12 0.00	41.93 2.45 0.00	39.69 2.39 0.00	34.57 1.86 0.00	32.49 1.81 0.00	30.02 1.62 0.00	29.53 1.59 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	30.27 1.61 0.00	28.13 1.42 0.00	27.48 1.33 0.00	26.69 1.30 0.00	27.96 1.33 0.00	29.32 1.45 0.00	39.93 2.33 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.92 1.71 0.00	31.06 1.39 0.00	30.09 1.32 0.00	29.47 1.27 0.00	29.74 0.95 0.00	31.07 1.08 0.00	32.75 1.23 0.00	37.94 1.67 0.00	46.41 2.50 0.00	41.50 2.01 0.00	39.09 1.79 0.00	34.14 1.44 0.00	32.21 1.53 0.00	29.82 1.42 0.00	29.36 1.42 0.00



KIAC_JFK_GT1 23816	30.41 1.75 0.00	28.21 1.50 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.04 1.41 0.00	29.43 1.56 0.00	40.23 2.63 0.00	46.31 3.51 0.00	40.65 2.94 0.00	34.70 2.48 0.00	31.83 2.17 0.00	30.89 2.13 0.00	30.26 2.06 0.00	30.83 2.04 0.00	32.18 2.19 0.00	33.82 2.30 0.00	39.22 2.94 -0.01	47.78 3.86 -0.01	42.56 3.08 0.00	40.32 3.02 0.00	35.02 2.32 0.00	32.98 2.30 0.00	30.33 1.93 0.00	29.73 1.79 0.00
KIAC_JFK_GT2 23817	30.41 1.75 0.00	28.21 1.50 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.04 1.41 0.00	29.43 1.56 0.00	40.23 2.63 0.00	46.31 3.51 0.00	40.65 2.94 0.00	34.70 2.48 0.00	31.83 2.17 0.00	30.89 2.13 0.00	30.26 2.06 0.00	30.83 2.04 0.00	32.18 2.19 0.00	33.82 2.30 0.00	39.22 2.94 -0.01	47.78 3.86 -0.01	42.56 3.08 0.00	40.32 3.02 0.00	35.02 2.32 0.00	32.98 2.30 0.00	30.33 1.93 0.00	29.73 1.79 0.00
KIAC_JFK____ 323774	30.47 1.81 0.00	28.35 1.63 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.43 1.56 0.00	40.23 2.63 0.00	46.31 3.51 0.00	40.57 2.86 0.00	34.66 2.45 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.20 2.00 0.00	30.86 2.07 0.00	32.15 2.16 0.00	33.79 2.27 0.00	39.22 2.94 -0.01	47.78 3.86 -0.01	42.57 3.08 0.00	40.40 3.09 0.00	35.02 2.32 0.00	32.98 2.30 0.00	30.27 1.87 0.00	29.73 1.79 0.00
KINTIGH____ 23543	26.77 -1.89 0.00	25.09 -1.63 0.00	24.52 -1.62 0.00	23.72 -1.68 0.00	24.87 -1.76 0.00	26.22 -1.64 0.00	34.21 -3.38 0.00	38.30 -4.49 0.00	33.86 -3.85 0.00	29.70 -2.51 0.00	27.44 -2.22 0.00	26.61 -2.16 0.00	26.14 -2.06 0.00	26.66 -2.13 0.00	27.56 -2.43 0.00	28.93 -2.58 0.00	32.97 -3.30 0.00	39.82 -4.08 0.00	35.57 -3.91 0.00	33.68 -3.62 0.00	30.25 -2.45 0.00	28.26 -2.42 0.00	26.21 -2.19 0.00	26.09 -1.84 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	28.15 -0.52 0.00	26.37 -0.35 0.00	26.09 -0.05 0.00	25.40 0.00 0.00	26.78 0.16 0.00	27.87 0.00 0.00	37.82 0.23 0.00	42.58 -0.21 0.00	37.63 -0.08 0.00	32.92 0.71 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.99 0.79 0.00	29.48 0.69 0.00	30.77 0.78 0.00	32.53 1.01 0.00	37.22 0.94 0.00	44.30 0.40 0.00	40.08 0.59 0.00	38.20 0.90 0.00	33.59 0.88 0.00	31.48 0.80 0.00	29.08 0.68 0.00	28.97 1.03 0.00
LACHUTE____HYDRO 323717	31.59 2.93 0.00	29.47 2.75 0.00	28.84 2.69 0.00	27.99 2.59 0.00	29.45 2.82 0.00	31.10 3.23 0.00	42.18 4.58 0.00	47.97 5.18 0.00	42.00 4.30 0.00	35.44 3.22 0.00	32.36 2.70 0.00	31.38 2.62 0.00	30.65 2.45 0.00	31.49 2.71 0.00	32.93 2.94 0.00	34.64 3.12 0.00	39.94 3.66 0.00	48.78 4.87 0.00	43.91 4.42 0.00	41.33 4.03 0.00	36.04 3.34 0.00	33.75 3.07 0.00	31.10 2.70 0.00	30.76 2.82 0.00
LAWRNCV_115KV_TB1 80681	27.83 -0.83 0.00	25.97 -0.75 0.00	25.52 -0.63 0.00	24.76 -0.63 0.00	26.01 -0.61 0.00	27.25 -0.61 0.00	37.03 -0.56 0.00	41.94 -0.86 0.00	37.18 -0.53 0.00	31.93 -0.29 0.00	29.43 -0.24 0.00	28.48 -0.29 0.00	27.95 -0.25 0.00	28.53 -0.26 0.00	29.72 -0.27 0.00	31.30 -0.22 0.00	35.87 -0.40 0.00	42.90 -1.01 0.00	39.13 -0.36 0.00	36.93 -0.37 0.00	32.38 -0.33 0.00	30.34 -0.34 0.00	28.06 -0.34 0.00	27.55 -0.39 0.00
LEDERLE____ 23769	30.24 1.58 0.00	28.13 1.42 0.00	27.48 1.33 0.00	26.69 1.30 0.00	27.96 1.33 0.00	29.32 1.45 0.00	39.85 2.26 0.00	45.66 2.87 0.00	40.08 2.38 0.00	34.08 1.87 0.00	31.29 1.63 0.00	30.35 1.58 0.00	29.75 1.55 0.00	30.31 1.53 0.00	31.64 1.65 0.00	33.25 1.73 0.00	38.49 2.21 0.00	46.89 2.99 0.00	41.85 2.37 0.00	39.58 2.28 0.00	34.53 1.83 0.00	32.40 1.72 0.00	29.93 1.53 0.00	29.45 1.51 0.00
LIGHTHSE_115KV_TB6 355974	28.06 -0.60 0.00	26.13 -0.59 0.00	25.57 -0.58 0.00	24.81 -0.58 0.00	25.99 -0.64 0.00	27.14 -0.72 0.00	36.66 -0.94 0.00	41.77 -1.03 0.00	36.76 -0.94 0.00	31.47 -0.74 0.00	28.95 -0.71 0.00	28.07 -0.69 0.00	27.52 -0.68 0.00	28.15 -0.63 0.00	29.27 -0.72 0.00	30.82 -0.69 0.00	35.40 -0.87 0.00	43.03 -0.88 0.00	38.62 -0.87 0.00	36.41 -0.90 0.00	31.95 -0.75 0.00	29.97 -0.71 0.00	27.72 -0.68 0.00	27.21 -0.73 0.00
LINDEN COGEN____ 23786	19.40 1.81 11.07	28.29 1.58 0.00	27.58 1.44 0.00	26.82 1.42 0.00	28.09 1.46 0.00	29.34 1.48 0.00	40.00 2.41 0.00	45.96 3.17 0.00	40.16 2.45 0.00	34.31 2.09 0.00	31.47 1.81 0.00	30.58 1.81 0.00	29.92 1.72 0.00	30.57 1.79 0.00	31.82 1.83 0.00	33.44 1.92 0.00	38.75 2.47 -0.01	47.17 3.25 -0.01	42.01 2.53 0.00	39.87 2.57 0.00	34.63 1.93 0.00	32.61 1.93 0.00	30.10 1.70 0.00	23.11 1.70 6.53
LINDHRST_69_KV_BK1 356055	33.14 2.55 -1.93	28.99 2.27 0.00	28.99 2.22 -0.62	28.66 2.16 -1.10	29.80 2.21 -0.96	34.08 2.40 -3.82	41.21 3.61 0.00	50.32 4.41 -3.11	43.30 3.73 -1.86	35.11 2.90 0.00	32.10 2.43 0.00	31.07 2.30 0.00	30.43 2.23 0.00	31.03 2.25 0.00	32.54 2.55 0.00	35.47 2.93 -1.03	40.98 3.59 -1.12	53.52 4.79 -4.83	48.67 3.87 -5.31	47.24 3.69 -6.25	44.50 3.04 -8.76	40.22 2.85 -6.69	31.10 2.61 -0.09	30.42 2.49 0.00
LIPA_MISC_IPP 23656	33.14 2.55 -1.93	28.96 2.24 0.00	29.22 2.46 -0.62	28.89 2.39 -1.10	30.04 2.45 -0.96	34.42 2.73 -3.82	41.73 4.14 0.00	50.88 4.96 -3.11	43.83 4.26 -1.86	35.40 3.19 0.00	32.30 2.64 0.00	31.27 2.50 0.00	30.57 2.37 0.00	31.17 2.39 0.00	32.78 2.79 0.00	35.85 3.31 -1.03	41.20 3.81 -1.12	53.91 5.18 -4.83	48.90 4.11 -5.31	47.54 3.99 -6.25	44.93 3.47 -8.76	40.68 3.31 -6.69	31.44 2.95 -0.09	30.70 2.77 0.00
LISF__SOLAR 323691	33.26 2.67 -1.93	29.12 2.41 0.00	29.30 2.54 -0.62	28.96 2.46 -1.10	30.17 2.58 -0.96	34.47 2.79 -3.82	41.81 4.21 0.00	50.96 5.05 -3.11	43.82 4.26 -1.86	35.57 3.35 0.00	32.48 2.82 0.00	31.35 2.59 0.00	30.57 2.37 0.00	31.32 2.53 0.00	32.96 2.97 0.00	35.92 3.37 -1.03	41.09 3.70 -1.12	53.82 5.09 -4.83	48.90 4.11 -5.31	47.62 4.07 -6.25	45.09 3.63 -8.76	40.74 3.37 -6.69	31.39 2.90 -0.09	30.82 2.88 0.00
LITTLE FALLS____HYD 24013	28.58 -0.09 0.00	26.61 -0.11 0.00	26.07 -0.08 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.90 0.03 0.00	37.75 0.15 0.00	43.05 0.26 0.00	37.90 0.19 0.00	32.31 0.10 0.00	29.75 0.09 0.00	28.85 0.09 0.00	28.28 0.08 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.74 0.22 0.00	36.56 0.29 0.00	44.39 0.48 0.00	39.88 0.39 0.00	37.68 0.37 0.00	33.00 0.29 0.00	30.99 0.31 0.00	28.63 0.23 0.00	28.10 0.17 0.00
LITTLRIV_115KV_TB1 356100	28.12 -0.54 0.00	26.24 -0.48 0.00	25.75 -0.39 0.00	25.02 -0.38 0.00	26.28 -0.35 0.00	27.56 -0.31 0.00	37.56 -0.04 0.00	42.58 -0.21 0.00	37.74 0.04 0.00	32.38 0.16 0.00	29.84 0.18 0.00	28.88 0.12 0.00	28.31 0.11 0.00	28.93 0.14 0.00	30.11 0.12 0.00	31.71 0.19 0.00	36.35 0.07 0.00	43.47 -0.44 0.00	39.68 0.20 0.00	37.41 0.11 0.00	32.80 0.10 0.00	30.71 0.03 0.00	28.37 -0.03 0.00	27.80 -0.14 0.00



LI_NEWBRDGE___DRP 323616	32.63 2.04 -1.93	28.53 1.82 0.00	28.52 1.75 -0.62	28.20 1.70 -1.10	29.32 1.73 -0.96	33.55 1.87 -3.82	40.41 2.82 0.00	49.46 3.55 -3.11	42.54 2.98 -1.86	34.57 2.35 0.00	31.62 1.96 0.00	30.66 1.90 0.00	30.03 1.83 0.00	30.63 1.84 0.00	32.06 2.07 0.00	34.84 2.30 -1.02	40.25 2.87 -1.11	52.51 3.78 -4.83	47.80 3.00 -5.31	46.46 2.91 -6.25	43.82 2.35 -8.76	39.64 2.27 -6.69	30.53 2.04 -0.09	29.89 1.96 0.00
LOCKPORT_115KV_TB60_63_64 80432	26.68 -1.98 0.00	25.03 -1.68 0.00	24.45 -1.70 0.00	23.62 -1.78 0.00	24.79 -1.84 0.00	26.22 -1.64 0.00	33.99 -3.61 0.00	37.92 -4.88 0.00	33.52 -4.19 0.00	29.57 -2.64 0.00	27.35 -2.31 0.00	26.52 -2.24 0.00	26.06 -2.14 0.00	26.57 -2.22 0.00	27.44 -2.55 0.00	28.78 -2.74 0.00	32.76 -3.52 0.00	39.60 -4.30 0.00	35.34 -4.15 0.00	33.42 -3.88 0.00	30.15 -2.55 0.00	28.13 -2.55 0.00	26.13 -2.27 0.00	26.09 -1.84 0.00
LOCKPORT___CC1 323769	26.77 -1.89 0.00	25.12 -1.60 0.00	24.52 -1.62 0.00	23.77 -1.63 0.00	24.95 -1.68 0.00	26.39 -1.48 0.00	34.32 -3.27 0.00	38.09 -4.71 0.00	34.05 -3.66 0.00	29.57 -2.64 0.00	27.38 -2.28 0.00	26.55 -2.21 0.00	26.31 -1.89 0.00	26.60 -2.19 0.00	27.53 -2.46 0.00	28.87 -2.65 0.00	32.79 -3.48 0.00	39.56 -4.35 0.00	35.50 -3.99 0.00	33.46 -3.84 0.00	30.15 -2.55 0.00	28.13 -2.55 0.00	26.30 -2.10 0.00	26.12 -1.82 0.00
LOCKPORT___CC2 323770	26.77 -1.89 0.00	25.12 -1.60 0.00	24.52 -1.62 0.00	23.77 -1.63 0.00	24.95 -1.68 0.00	26.39 -1.48 0.00	34.32 -3.27 0.00	38.09 -4.71 0.00	34.05 -3.66 0.00	29.57 -2.64 0.00	27.38 -2.28 0.00	26.55 -2.21 0.00	26.31 -1.89 0.00	26.60 -2.19 0.00	27.53 -2.46 0.00	28.87 -2.65 0.00	32.79 -3.48 0.00	39.56 -4.35 0.00	35.50 -3.99 0.00	33.46 -3.84 0.00	30.15 -2.55 0.00	28.13 -2.55 0.00	26.30 -2.10 0.00	26.12 -1.82 0.00
LOCKPORT___CC3 323771	26.77 -1.89 0.00	25.12 -1.60 0.00	24.52 -1.62 0.00	23.77 -1.63 0.00	24.95 -1.68 0.00	26.39 -1.48 0.00	34.32 -3.27 0.00	38.09 -4.71 0.00	34.05 -3.66 0.00	29.57 -2.64 0.00	27.38 -2.28 0.00	26.55 -2.21 0.00	26.31 -1.89 0.00	26.60 -2.19 0.00	27.53 -2.46 0.00	28.87 -2.65 0.00	32.79 -3.48 0.00	39.56 -4.35 0.00	35.50 -3.99 0.00	33.46 -3.84 0.00	30.15 -2.55 0.00	28.13 -2.55 0.00	26.30 -2.10 0.00	26.12 -1.82 0.00
LONG_LAKE_PHOENIX 24014	28.00 -0.66 0.00	26.13 -0.59 0.00	25.54 -0.60 0.00	24.79 -0.61 0.00	26.01 -0.61 0.00	27.14 -0.72 0.00	36.51 -1.09 0.00	41.56 -1.24 0.00	36.61 -1.09 0.00	31.35 -0.87 0.00	28.86 -0.80 0.00	27.96 -0.81 0.00	27.41 -0.79 0.00	28.01 -0.78 0.00	29.18 -0.81 0.00	30.67 -0.85 0.00	35.26 -1.02 0.00	42.81 -1.10 0.00	38.38 -1.11 0.00	36.22 -1.08 0.00	31.82 -0.88 0.00	29.82 -0.86 0.00	27.60 -0.80 0.00	27.13 -0.81 0.00
LOVETT___3 23632	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.12 2.41 0.00	34.15 1.93 0.00	31.35 1.69 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	46.98 3.07 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
LOVETT___4 23642	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.12 2.41 0.00	34.15 1.93 0.00	31.35 1.69 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	46.98 3.07 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
LOVETT___5 23593	30.27 1.61 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.98 1.36 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.12 2.41 0.00	34.15 1.93 0.00	31.35 1.69 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	46.98 3.07 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
LOWER RAQUET___HYD 24057	27.63 -1.03 0.00	25.78 -0.94 0.00	25.33 -0.81 0.00	24.61 -0.79 0.00	25.85 -0.77 0.00	27.06 -0.81 0.00	36.84 -0.75 0.00	41.73 -1.07 0.00	36.95 -0.75 0.00	31.76 -0.45 0.00	29.25 -0.42 0.00	28.33 -0.43 0.00	27.78 -0.42 0.00	28.35 -0.43 0.00	29.54 -0.45 0.00	31.14 -0.38 0.00	35.69 -0.58 0.00	42.72 -1.18 0.00	38.65 -0.83 0.00	36.63 -0.67 0.00	32.21 -0.49 0.00	30.19 -0.49 0.00	27.89 -0.51 0.00	27.38 -0.56 0.00
LOWER___HUDSON 24059	29.95 1.29 0.00	27.89 1.17 0.00	27.27 1.12 0.00	26.51 1.12 0.00	27.77 1.14 0.00	29.12 1.26 0.00	39.29 1.69 0.00	44.81 2.01 0.00	39.36 1.66 0.00	33.44 1.22 0.00	30.79 1.13 0.00	29.88 1.12 0.00	29.24 1.04 0.00	29.88 1.09 0.00	31.19 1.20 0.00	32.75 1.23 0.00	37.76 1.49 0.00	45.97 2.06 0.00	41.22 1.74 0.00	38.94 1.64 0.00	34.04 1.34 0.00	31.97 1.29 0.00	29.56 1.16 0.00	29.11 1.17 0.00
LOWVILLE_115KV_TB2 356335	28.32 -0.34 0.00	26.37 -0.35 0.00	25.78 -0.37 0.00	25.02 -0.38 0.00	26.28 -0.35 0.00	27.62 -0.25 0.00	37.67 0.08 0.00	42.92 0.13 0.00	37.74 0.04 0.00	32.22 0.00 0.00	29.57 -0.09 0.00	28.62 -0.14 0.00	28.06 -0.14 0.00	28.70 -0.09 0.00	29.90 -0.09 0.00	31.58 0.06 0.00	36.31 0.04 0.00	44.08 0.18 0.00	39.68 0.20 0.00	37.38 0.07 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.20 -0.20 0.00	27.60 -0.34 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	30.30 1.63 0.00	28.21 1.50 0.00	27.61 1.46 0.00	26.82 1.42 0.00	28.14 1.52 0.00	29.60 1.73 0.00	40.00 2.41 0.00	45.49 2.70 0.00	40.01 2.30 0.00	33.92 1.71 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.58 1.38 0.00	30.28 1.50 0.00	31.61 1.62 0.00	33.22 1.70 0.00	38.27 2.00 0.00	46.58 2.68 0.00	41.81 2.33 0.00	39.47 2.16 0.00	34.50 1.80 0.00	32.37 1.69 0.00	29.93 1.53 0.00	29.50 1.56 0.00
LUTHERNY_35_KV_BK2 355980	30.33 1.66 0.00	28.24 1.52 0.00	27.61 1.46 0.00	26.85 1.45 0.00	28.14 1.52 0.00	29.60 1.73 0.00	40.04 2.44 0.00	45.54 2.74 0.00	40.04 2.34 0.00	33.92 1.71 0.00	31.15 1.48 0.00	30.23 1.47 0.00	29.61 1.41 0.00	30.28 1.50 0.00	31.61 1.62 0.00	33.22 1.70 0.00	38.31 2.03 0.00	46.63 2.72 0.00	41.85 2.37 0.00	39.50 2.20 0.00	34.53 1.83 0.00	32.40 1.72 0.00	29.96 1.56 0.00	29.50 1.56 0.00
LWR___OSWEGATCHIE_HYD 23850	27.60 -1.06 0.00	25.73 -0.99 0.00	25.23 -0.92 0.00	24.48 -0.91 0.00	25.72 -0.91 0.00	26.98 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.91 -0.79 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.60 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.85 -0.63 0.00	36.59 -0.71 0.00	32.05 -0.65 0.00	30.00 -0.67 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00



LYONS_FALL_HYD 23570	28.72 0.06 0.00	26.74 0.03 0.00	26.14 0.00 0.00	25.37 -0.03 0.00	26.65 0.03 0.00	28.01 0.14 0.00	38.12 0.53 0.00	43.44 0.64 0.00	38.23 0.53 0.00	32.60 0.39 0.00	29.96 0.30 0.00	29.02 0.26 0.00	28.42 0.22 0.00	29.07 0.29 0.00	30.29 0.30 0.00	31.93 0.41 0.00	36.74 0.47 0.00	44.61 0.70 0.00	40.11 0.63 0.00	37.79 0.48 0.00	33.06 0.36 0.00	30.96 0.28 0.00	28.54 0.14 0.00	27.97 0.03 0.00
MADISON___COUNTY_LFGE 323628	29.32 0.66 0.00	27.33 0.61 0.00	26.72 0.58 0.00	25.93 0.53 0.00	27.21 0.59 0.00	28.62 0.75 0.00	38.80 1.20 0.00	44.21 1.41 0.00	38.88 1.17 0.00	33.18 0.97 0.00	30.52 0.86 0.00	29.57 0.81 0.00	28.96 0.76 0.00	29.62 0.83 0.00	30.83 0.84 0.00	32.50 0.98 0.00	37.33 1.05 0.00	45.31 1.40 0.00	40.63 1.15 0.00	38.27 0.97 0.00	33.59 0.88 0.00	31.45 0.77 0.00	29.02 0.62 0.00	28.47 0.53 0.00
MALONE___115KV_TB1 356076	28.00 -0.66 0.00	26.24 -0.48 0.00	25.91 -0.24 0.00	25.20 -0.20 0.00	26.55 -0.08 0.00	27.78 -0.08 0.00	37.67 0.08 0.00	42.63 -0.17 0.00	37.74 0.04 0.00	32.73 0.52 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.36 0.58 0.00	30.62 0.63 0.00	32.31 0.79 0.00	36.96 0.69 0.00	44.21 0.31 0.00	40.08 0.59 0.00	37.97 0.67 0.00	33.36 0.65 0.00	31.26 0.58 0.00	28.88 0.48 0.00	28.55 0.61 0.00
MAPLEWOD_115KV_TB3 80458	29.67 1.00 0.00	27.63 0.91 0.00	27.01 0.86 0.00	26.29 0.89 0.00	27.50 0.88 0.00	28.87 1.00 0.00	38.99 1.39 0.00	44.47 1.67 0.00	39.14 1.43 0.00	33.21 1.00 0.00	30.61 0.95 0.00	29.68 0.92 0.00	29.10 0.90 0.00	29.74 0.95 0.00	31.01 1.02 0.00	32.56 1.04 0.00	37.51 1.23 0.00	45.66 1.76 0.00	40.91 1.42 0.00	38.65 1.34 0.00	33.78 1.08 0.00	31.72 1.04 0.00	29.42 1.02 0.00	28.86 0.92 0.00
MAPLE_RIDGE_WT_1 323574	28.15 -0.52 0.00	26.29 -0.43 0.00	25.80 -0.34 0.00	25.12 -0.28 0.00	26.36 -0.27 0.00	27.59 -0.28 0.00	37.29 -0.30 0.00	42.41 -0.39 0.00	37.40 -0.30 0.00	32.02 -0.19 0.00	29.52 -0.15 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.59 -0.20 0.00	29.78 -0.21 0.00	31.33 -0.19 0.00	36.06 -0.22 0.00	43.51 -0.40 0.00	39.21 -0.27 0.00	36.97 -0.34 0.00	32.41 -0.29 0.00	30.43 -0.25 0.00	28.14 -0.26 0.00	27.71 -0.22 0.00
MAPLE_RIDGE_WT_2 323611	28.15 -0.52 0.00	26.29 -0.43 0.00	25.80 -0.34 0.00	25.12 -0.28 0.00	26.36 -0.27 0.00	27.59 -0.28 0.00	37.29 -0.30 0.00	42.41 -0.39 0.00	37.40 -0.30 0.00	32.02 -0.19 0.00	29.52 -0.15 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.59 -0.20 0.00	29.78 -0.21 0.00	31.33 -0.19 0.00	36.06 -0.22 0.00	43.51 -0.40 0.00	39.21 -0.27 0.00	36.97 -0.34 0.00	32.41 -0.29 0.00	30.43 -0.25 0.00	28.14 -0.26 0.00	27.71 -0.22 0.00
MARBLE_RIVER_WT_PWR 323696	27.77 -0.89 0.00	26.02 -0.69 0.00	25.73 -0.42 0.00	25.07 -0.33 0.00	26.44 -0.19 0.00	27.50 -0.36 0.00	37.33 -0.26 0.00	42.11 -0.69 0.00	37.26 -0.45 0.00	32.47 0.26 0.00	29.99 0.33 0.00	29.08 0.32 0.00	28.54 0.34 0.00	29.07 0.29 0.00	30.35 0.36 0.00	32.05 0.54 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.44 -0.04 0.00	37.12 -0.19 0.00	33.06 0.36 0.00	31.02 0.34 0.00	28.68 0.28 0.00	28.52 0.59 0.00
MARSHVLE_115KV_TB1 80742	30.84 2.18 0.00	28.75 2.03 0.00	28.08 1.93 0.00	27.28 1.88 0.00	28.68 2.05 0.00	30.26 2.40 0.00	40.90 3.31 0.00	46.52 3.72 0.00	40.80 3.09 0.00	34.60 2.38 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.26 2.06 0.00	30.94 2.16 0.00	32.33 2.34 0.00	34.07 2.55 0.00	39.14 2.87 0.00	47.81 3.91 0.00	42.92 3.44 0.00	40.40 3.10 0.00	35.32 2.62 0.00	33.26 2.58 0.00	30.64 2.24 0.00	30.09 2.15 0.00
MARSH_HILL_WT_PWR 323713	27.97 -0.69 0.00	26.21 -0.51 0.00	25.65 -0.50 0.00	24.92 -0.48 0.00	26.23 -0.40 0.00	27.76 -0.11 0.00	36.88 -0.72 0.00	41.39 -1.41 0.00	36.80 -0.91 0.00	31.70 -0.52 0.00	29.22 -0.44 0.00	28.27 -0.49 0.00	27.86 -0.34 0.00	28.38 -0.40 0.00	29.51 -0.48 0.00	30.98 -0.54 0.00	35.44 -0.83 0.00	43.03 -0.88 0.00	38.46 -1.03 0.00	36.26 -1.04 0.00	32.31 -0.39 0.00	30.13 -0.55 0.00	28.00 -0.40 0.00	27.69 -0.25 0.00
MCINTYRE_115KV_TB2 80467	28.43 -0.23 0.00	26.53 -0.19 0.00	26.04 -0.10 0.00	25.30 -0.10 0.00	26.63 0.00 0.00	27.92 0.06 0.00	38.05 0.45 0.00	43.14 0.34 0.00	38.20 0.49 0.00	32.76 0.55 0.00	30.23 0.56 0.00	29.22 0.46 0.00	28.68 0.48 0.00	29.27 0.49 0.00	30.50 0.51 0.00	32.09 0.57 0.00	36.78 0.51 0.00	44.04 0.13 0.00	40.19 0.71 0.00	37.90 0.60 0.00	33.23 0.52 0.00	31.11 0.43 0.00	28.71 0.31 0.00	28.16 0.22 0.00
MECO_____69_KV_BK1 80468	31.99 3.32 0.00	29.79 3.07 0.00	29.07 2.93 0.00	28.24 2.84 0.00	29.79 3.17 0.00	31.57 3.71 0.00	42.71 5.11 0.00	48.32 5.52 0.00	42.23 4.52 0.00	35.63 3.41 0.00	32.60 2.94 0.00	31.64 2.88 0.00	31.10 2.90 0.00	31.84 3.05 0.00	33.29 3.30 0.00	35.24 3.72 0.00	40.59 4.32 0.00	49.74 5.84 0.00	44.66 5.17 0.00	41.97 4.66 0.00	36.63 3.92 0.00	34.36 3.68 0.00	31.58 3.18 0.00	31.07 3.13 0.00
MENANDS___115KV_TB5 355628	29.52 0.86 0.00	27.49 0.77 0.00	26.88 0.73 0.00	26.16 0.76 0.00	27.37 0.75 0.00	28.73 0.86 0.00	38.76 1.17 0.00	44.21 1.41 0.00	38.91 1.21 0.00	33.05 0.84 0.00	30.43 0.77 0.00	29.54 0.78 0.00	28.96 0.76 0.00	29.59 0.81 0.00	30.83 0.84 0.00	32.37 0.85 0.00	37.33 1.05 0.00	45.40 1.49 0.00	40.67 1.18 0.00	38.42 1.12 0.00	33.59 0.88 0.00	31.57 0.89 0.00	29.28 0.88 0.00	28.72 0.78 0.00
MG INDUSTRY___DRP 24185	29.61 0.95 0.00	27.57 0.85 0.00	26.98 0.84 0.00	26.24 0.84 0.00	27.45 0.83 0.00	28.81 0.95 0.00	38.87 1.28 0.00	44.25 1.46 0.00	38.91 1.21 0.00	33.09 0.87 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.96 0.76 0.00	29.59 0.81 0.00	30.86 0.87 0.00	32.40 0.88 0.00	37.33 1.05 0.00	45.35 1.45 0.00	40.71 1.22 0.00	38.46 1.16 0.00	33.65 0.95 0.00	31.60 0.92 0.00	29.31 0.91 0.00	28.78 0.84 0.00
MID___OSWEGATCHIE_HYD 23849	27.60 -1.06 0.00	25.73 -0.99 0.00	25.23 -0.92 0.00	24.48 -0.91 0.00	25.72 -0.91 0.00	26.98 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.91 -0.79 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.60 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.85 -0.63 0.00	36.59 -0.71 0.00	32.05 -0.65 0.00	30.00 -0.67 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00
MID___RAQUETTE_HYD 23851	27.63 -1.03 0.00	25.78 -0.94 0.00	25.33 -0.81 0.00	24.61 -0.79 0.00	25.85 -0.77 0.00	27.06 -0.81 0.00	36.84 -0.75 0.00	41.73 -1.07 0.00	36.99 -0.72 0.00	31.76 -0.45 0.00	29.28 -0.39 0.00	28.33 -0.43 0.00	27.80 -0.39 0.00	28.38 -0.40 0.00	29.54 -0.45 0.00	31.14 -0.38 0.00	35.69 -0.58 0.00	42.72 -1.19 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.21 -0.49 0.00	30.19 -0.49 0.00	27.89 -0.51 0.00	27.38 -0.56 0.00



MILLIKEN___1 23584	29.04 0.37 0.00	27.09 0.37 0.00	26.48 0.34 0.00	25.70 0.30 0.00	26.97 0.35 0.00	28.31 0.45 0.00	38.08 0.49 0.00	43.35 0.56 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.05 0.39 0.00	29.11 0.35 0.00	28.51 0.31 0.00	29.16 0.37 0.00	30.35 0.36 0.00	31.93 0.41 0.00	36.75 0.47 0.00	44.70 0.79 0.00	40.08 0.59 0.00	37.79 0.48 0.00	33.26 0.56 0.00	31.11 0.43 0.00	28.74 0.34 0.00	28.24 0.31 0.00
MILLIKEN___2 23585	29.04 0.37 0.00	27.09 0.37 0.00	26.48 0.34 0.00	25.70 0.30 0.00	26.97 0.35 0.00	28.31 0.45 0.00	38.08 0.49 0.00	43.35 0.56 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.05 0.39 0.00	29.11 0.35 0.00	28.51 0.31 0.00	29.16 0.37 0.00	30.35 0.36 0.00	31.93 0.41 0.00	36.75 0.47 0.00	44.70 0.79 0.00	40.08 0.59 0.00	37.79 0.48 0.00	33.26 0.56 0.00	31.11 0.43 0.00	28.74 0.34 0.00	28.24 0.31 0.00
MILLIKEN___DIESEL 23629	29.04 0.37 0.00	27.09 0.37 0.00	26.48 0.34 0.00	25.70 0.30 0.00	26.97 0.35 0.00	28.31 0.45 0.00	38.08 0.49 0.00	43.35 0.56 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.05 0.39 0.00	29.11 0.35 0.00	28.51 0.31 0.00	29.16 0.37 0.00	30.35 0.36 0.00	31.93 0.41 0.00	36.75 0.47 0.00	44.70 0.79 0.00	40.08 0.59 0.00	37.79 0.48 0.00	33.26 0.56 0.00	31.11 0.43 0.00	28.74 0.34 0.00	28.24 0.31 0.00
MILLSEAT___LFGE 323607	27.23 -1.43 0.00	25.49 -1.23 0.00	24.89 -1.25 0.00	24.13 -1.27 0.00	25.32 -1.30 0.00	26.81 -1.06 0.00	35.11 -2.48 0.00	39.20 -3.59 0.00	34.99 -2.72 0.00	30.31 -1.90 0.00	28.06 -1.60 0.00	27.15 -1.61 0.00	26.90 -1.30 0.00	27.23 -1.55 0.00	28.22 -1.77 0.00	29.63 -1.89 0.00	33.70 -2.57 0.00	40.74 -3.16 0.00	36.56 -2.92 0.00	34.43 -2.87 0.00	30.94 -1.77 0.00	28.78 -1.90 0.00	26.84 -1.56 0.00	26.57 -1.37 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	30.21 1.55 0.00	28.11 1.39 0.00	27.45 1.31 0.00	26.69 1.30 0.00	27.93 1.30 0.00	29.26 1.39 0.00	39.81 2.22 0.00	45.62 2.82 0.00	40.04 2.34 0.00	34.08 1.87 0.00	31.29 1.63 0.00	30.35 1.58 0.00	29.75 1.55 0.00	30.31 1.53 0.00	31.64 1.65 0.00	33.28 1.77 0.00	38.49 2.21 0.00	46.89 2.99 0.00	41.81 2.33 0.00	39.58 2.28 0.00	34.50 1.80 0.00	32.40 1.72 0.00	29.93 1.53 0.00	29.45 1.51 0.00
MILLWOOD_13_KV_LOAD 356217	30.30 1.63 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.74 1.35 0.00	27.96 1.33 0.00	29.32 1.45 0.00	39.89 2.29 0.00	45.71 2.91 0.00	40.16 2.45 0.00	34.15 1.93 0.00	31.35 1.69 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.38 1.86 0.00	38.56 2.29 0.00	47.02 3.12 0.00	41.97 2.49 0.00	39.65 2.35 0.00	34.60 1.90 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
MODEL_CITY_ENERGY 24167	26.46 -2.21 0.00	24.82 -1.90 0.00	24.26 -1.88 0.00	23.52 -1.88 0.00	24.66 -1.97 0.00	26.08 -1.78 0.00	33.87 -3.72 0.00	37.57 -5.22 0.00	33.60 -4.11 0.00	29.19 -3.03 0.00	27.02 -2.64 0.00	26.20 -2.56 0.00	25.97 -2.23 0.00	26.25 -2.53 0.00	27.17 -2.82 0.00	28.49 -3.03 0.00	32.36 -3.92 0.00	38.99 -4.92 0.00	35.02 -4.46 0.00	33.01 -4.29 0.00	29.76 -2.94 0.00	27.76 -2.92 0.00	25.99 -2.41 0.00	25.79 -2.15 0.00
MODERN_LFGE___ 323580	26.46 -2.21 0.00	24.82 -1.90 0.00	24.26 -1.88 0.00	23.52 -1.88 0.00	24.66 -1.97 0.00	26.08 -1.78 0.00	33.87 -3.72 0.00	37.57 -5.22 0.00	33.60 -4.11 0.00	29.19 -3.03 0.00	27.02 -2.64 0.00	26.20 -2.56 0.00	25.97 -2.23 0.00	26.25 -2.53 0.00	27.17 -2.82 0.00	28.49 -3.03 0.00	32.36 -3.92 0.00	38.99 -4.92 0.00	35.02 -4.46 0.00	33.01 -4.29 0.00	29.76 -2.94 0.00	27.76 -2.92 0.00	25.99 -2.41 0.00	25.79 -2.15 0.00
MOHAWK_PAPER___DRP 24187	29.67 1.00 0.00	27.63 0.91 0.00	27.01 0.86 0.00	26.29 0.89 0.00	27.50 0.88 0.00	28.87 1.00 0.00	38.99 1.39 0.00	44.47 1.67 0.00	39.14 1.43 0.00	33.21 1.00 0.00	30.61 0.95 0.00	29.68 0.92 0.00	29.10 0.90 0.00	29.74 0.95 0.00	31.01 1.02 0.00	32.56 1.04 0.00	37.51 1.23 0.00	45.66 1.76 0.00	40.91 1.42 0.00	38.65 1.34 0.00	33.78 1.08 0.00	31.72 1.04 0.00	29.42 1.02 0.00	28.86 0.92 0.00
MOHICAN___35_KV_115KV_LD 80490	30.61 1.95 0.00	28.51 1.79 0.00	27.92 1.78 0.00	27.15 1.75 0.00	28.49 1.86 0.00	30.01 2.15 0.00	40.68 3.08 0.00	46.22 3.42 0.00	40.61 2.90 0.00	34.31 2.09 0.00	31.38 1.72 0.00	30.46 1.70 0.00	29.81 1.61 0.00	30.54 1.76 0.00	31.91 1.92 0.00	33.54 2.02 0.00	38.70 2.43 0.00	47.20 3.29 0.00	42.37 2.88 0.00	39.99 2.69 0.00	34.89 2.19 0.00	32.70 2.02 0.00	30.22 1.82 0.00	29.84 1.90 0.00
MONGAUP___HYD 23641	29.87 1.20 0.00	27.79 1.07 0.00	27.11 0.97 0.00	26.34 0.94 0.00	27.61 0.99 0.00	28.90 1.03 0.00	38.95 1.35 0.00	44.33 1.54 0.00	38.91 1.21 0.00	32.99 0.77 0.00	30.46 0.80 0.00	29.51 0.75 0.00	28.88 0.68 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.18 0.66 0.00	37.29 1.01 0.00	45.62 1.71 0.00	40.87 1.38 0.00	38.50 1.19 0.00	33.59 0.88 0.00	31.41 0.74 0.00	29.34 0.94 0.00	28.89 0.95 0.00
MONTAUK___DIESEL 23721	34.23 3.64 -1.93	29.95 3.23 0.00	30.19 3.42 -0.62	29.80 3.30 -1.10	31.02 3.43 -0.96	35.53 3.85 -3.82	43.35 5.75 0.00	52.76 6.85 -3.11	45.41 5.84 -1.86	36.66 4.45 0.00	33.46 3.80 0.00	32.30 3.54 0.00	31.53 3.33 0.00	32.21 3.43 0.00	33.89 3.90 0.00	37.08 4.54 -1.03	42.72 5.33 -1.12	55.93 7.20 -4.83	50.64 5.84 -5.31	49.22 5.67 -6.25	46.47 5.00 -8.76	42.03 4.66 -6.69	32.61 4.12 -0.09	31.82 3.88 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	27.29 -1.38 0.00	25.52 -1.20 0.00	24.97 -1.18 0.00	24.36 -1.04 0.00	25.51 -1.12 0.00	27.11 -0.75 0.00	35.79 -1.80 0.00	40.06 -2.74 0.00	35.44 -2.26 0.00	31.12 -1.10 0.00	28.77 -0.89 0.00	27.90 -0.86 0.00	27.38 -0.82 0.00	27.84 -0.95 0.00	28.76 -1.23 0.00	30.16 -1.36 0.00	34.50 -1.78 0.00	42.06 -1.84 0.00	37.43 -2.05 0.00	35.40 -1.90 0.00	31.85 -0.85 0.00	29.76 -0.92 0.00	27.60 -0.80 0.00	27.55 -0.39 0.00
MORTIMER_115KV_TB3 55949	27.54 -1.12 0.00	25.73 -0.99 0.00	25.15 -0.99 0.00	24.33 -1.07 0.00	25.53 -1.09 0.00	26.89 -0.98 0.00	35.53 -2.07 0.00	40.14 -2.65 0.00	35.48 -2.22 0.00	30.86 -1.35 0.00	28.48 -1.19 0.00	27.61 -1.15 0.00	27.07 -1.13 0.00	27.66 -1.12 0.00	28.67 -1.32 0.00	30.13 -1.39 0.00	34.46 -1.81 0.00	41.71 -2.20 0.00	37.31 -2.17 0.00	35.25 -2.05 0.00	31.43 -1.28 0.00	29.30 -1.38 0.00	27.12 -1.28 0.00	26.82 -1.12 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.95 2.65 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.25 1.85 0.00	29.67 1.73 0.00



MUNSVILLE_WIND_PWR 323609	30.78 2.12 0.00	28.67 1.95 0.00	27.97 1.83 0.00	27.15 1.75 0.00	28.62 2.00 0.00	30.23 2.37 0.00	41.32 3.72 0.00	47.12 4.32 0.00	41.25 3.54 0.00	34.99 2.77 0.00	32.12 2.46 0.00	31.12 2.36 0.00	30.46 2.26 0.00	31.32 2.53 0.00	32.66 2.67 0.00	34.45 2.93 0.00	39.72 3.45 0.00	48.56 4.65 0.00	43.67 4.18 0.00	40.96 3.66 0.00	35.91 3.21 0.00	33.53 2.85 0.00	30.87 2.47 0.00	30.20 2.26 0.00
N SALMON___HYD 24042	28.03 -0.63 0.00	26.24 -0.48 0.00	25.91 -0.24 0.00	25.19 -0.20 0.00	26.55 -0.08 0.00	27.76 -0.11 0.00	37.67 0.08 0.00	42.63 -0.17 0.00	37.71 0.00 0.00	32.73 0.51 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.36 0.58 0.00	30.62 0.63 0.00	32.31 0.79 0.00	36.96 0.69 0.00	44.21 0.31 0.00	39.96 0.48 0.00	37.60 0.30 0.00	33.36 0.65 0.00	31.26 0.58 0.00	28.88 0.48 0.00	28.55 0.61 0.00
N.AKRON__115KV_KNAPP 355671	27.17 -1.49 0.00	25.44 -1.28 0.00	24.84 -1.31 0.00	24.00 -1.40 0.00	25.19 -1.44 0.00	26.67 -1.20 0.00	34.78 -2.82 0.00	38.94 -3.85 0.00	34.46 -3.24 0.00	30.31 -1.90 0.00	28.00 -1.66 0.00	27.12 -1.64 0.00	26.65 -1.55 0.00	27.17 -1.61 0.00	28.10 -1.89 0.00	29.53 -1.99 0.00	33.63 -2.65 0.00	40.70 -3.21 0.00	36.33 -3.16 0.00	34.32 -2.98 0.00	30.87 -1.83 0.00	28.75 -1.93 0.00	26.67 -1.73 0.00	26.57 -1.37 0.00
N.BELMOR_69_KV_BK1 55787	32.83 2.24 -1.93	28.72 2.00 0.00	28.68 1.91 -0.62	28.38 1.88 -1.10	29.51 1.92 -0.96	33.75 2.06 -3.82	40.68 3.08 0.00	49.76 3.85 -3.11	42.80 3.24 -1.85	34.76 2.55 0.00	31.80 2.14 0.00	30.81 2.04 0.00	30.20 2.00 0.00	30.80 2.01 0.00	32.24 2.25 0.00	35.06 2.52 -1.02	40.54 3.16 -1.11	52.94 4.21 -4.82	48.19 3.40 -5.31	46.83 3.28 -6.24	44.11 2.65 -8.76	39.85 2.49 -6.69	30.73 2.24 -0.08	30.09 2.15 0.00
N.E_GEN_SANDY PD 24062	32.00 1.43 -1.90	30.36 1.31 -2.33	29.39 1.23 -2.02	28.85 1.22 -2.23	30.53 1.25 -2.65	32.28 1.31 -3.10	42.74 1.73 -3.41	45.32 2.14 -0.38	42.13 1.77 -2.65	33.60 1.38 0.00	30.91 1.25 0.00	30.00 1.24 0.00	29.36 1.16 0.00	29.99 1.21 0.00	31.38 1.29 -0.10	35.13 1.32 -2.29	40.32 1.67 -2.38	48.60 2.28 -2.41	43.78 1.86 -2.44	41.42 1.79 -2.33	42.07 1.41 -7.96	37.32 1.38 -5.26	31.14 1.28 -1.46	29.45 1.29 -0.23
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	30.24 1.58 0.00	28.13 1.42 0.00	27.48 1.33 0.00	26.69 1.30 0.00	27.93 1.30 0.00	29.29 1.42 0.00	39.85 2.26 0.00	45.66 2.87 0.00	40.08 2.38 0.00	34.08 1.87 0.00	31.29 1.63 0.00	30.35 1.58 0.00	29.75 1.55 0.00	30.31 1.53 0.00	31.64 1.65 0.00	33.25 1.73 0.00	38.49 2.21 0.00	46.93 3.03 0.00	41.85 2.37 0.00	39.58 2.28 0.00	34.53 1.83 0.00	32.40 1.72 0.00	29.96 1.56 0.00	29.47 1.54 0.00
N.QUEENS_27_KV_LOAD 356247	30.73 2.06 0.00	28.51 1.79 0.00	27.90 1.75 0.00	27.10 1.70 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.08 2.48 0.00	45.83 3.04 0.00	40.27 2.56 0.00	34.41 2.19 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.57 2.05 0.00	38.94 2.65 -0.02	47.39 3.47 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.76 2.06 0.00	32.90 2.21 -0.01	30.50 2.10 0.00	30.04 2.10 -0.01
N.TROY___115KV_TB1 355778	29.92 1.26 0.00	27.84 1.12 0.00	27.22 1.07 0.00	26.47 1.07 0.00	27.72 1.09 0.00	29.12 1.25 0.00	39.32 1.73 0.00	44.81 2.01 0.00	39.44 1.73 0.00	33.44 1.22 0.00	30.79 1.13 0.00	29.86 1.09 0.00	29.27 1.07 0.00	29.91 1.12 0.00	31.22 1.23 0.00	32.75 1.23 0.00	37.80 1.52 0.00	45.97 2.06 0.00	41.18 1.70 0.00	38.94 1.64 0.00	34.04 1.34 0.00	31.97 1.29 0.00	29.59 1.19 0.00	29.11 1.17 0.00
NARROWS_GT1_1 24228	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_2 24229	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_3 24230	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_4 24231	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_5 24232	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_6 24233	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT1_7 24234	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01



NARROWS_GT1_8 24235	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_1 24236	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_2 24237	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_3 24238	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_4 24239	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_5 24240	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_6 24241	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_7 24242	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NARROWS_GT2_8 24243	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.34 2.99 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	30.10 1.43 0.00	28.00 1.28 0.00	27.37 1.23 0.00	26.67 1.27 0.00	27.88 1.25 0.00	29.32 1.45 0.00	39.66 2.07 0.00	44.94 2.14 0.00	39.52 1.81 0.00	33.34 1.13 0.00	30.52 0.86 0.00	29.57 0.81 0.00	28.99 0.79 0.00	29.65 0.86 0.00	30.98 0.99 0.00	32.62 1.10 0.00	37.65 1.38 0.00	46.01 2.11 0.00	41.46 1.97 0.00	38.98 1.68 0.00	34.11 1.41 0.00	31.85 1.17 0.00	29.62 1.22 0.00	29.11 1.17 0.00
NCHELSEA_115KV_TR2 355582	30.33 1.66 0.00	28.21 1.50 0.00	27.56 1.41 0.00	26.77 1.37 0.00	28.01 1.38 0.00	29.37 1.50 0.00	39.93 2.33 0.00	45.62 2.82 0.00	40.08 2.38 0.00	34.05 1.84 0.00	31.21 1.54 0.00	30.26 1.50 0.00	29.64 1.44 0.00	30.22 1.44 0.00	31.55 1.56 0.00	33.22 1.70 0.00	38.38 2.10 0.00	46.89 2.99 0.00	41.89 2.41 0.00	39.50 2.20 0.00	34.50 1.80 0.00	32.31 1.63 0.00	29.90 1.51 0.00	29.45 1.51 0.00
NEG CAPITAL___MECHNVIL 23645	30.32 1.66 0.00	28.24 1.52 0.00	27.63 1.49 0.00	26.82 1.42 0.00	28.14 1.52 0.00	29.57 1.70 0.00	39.93 2.33 0.00	45.49 2.70 0.00	39.93 2.22 0.00	33.89 1.67 0.00	31.15 1.48 0.00	30.23 1.47 0.00	29.58 1.38 0.00	30.28 1.50 0.00	31.61 1.62 0.00	33.22 1.70 0.00	38.30 2.03 0.00	46.63 2.72 0.00	41.85 2.37 0.00	39.50 2.20 0.00	34.50 1.80 0.00	32.37 1.69 0.00	29.93 1.53 0.00	29.47 1.54 0.00
NEG CENTRAL_HIGH_ACRES 23767	27.23 -1.43 0.00	25.41 -1.31 0.00	24.84 -1.31 0.00	24.10 -1.29 0.00	25.29 -1.33 0.00	26.61 -1.25 0.00	35.45 -2.14 0.00	40.10 -2.69 0.00	35.60 -2.11 0.00	30.61 -1.61 0.00	28.24 -1.42 0.00	27.36 -1.41 0.00	26.93 -1.27 0.00	27.43 -1.35 0.00	28.49 -1.50 0.00	29.94 -1.58 0.00	34.24 -2.03 0.00	41.45 -2.46 0.00	37.19 -2.29 0.00	35.03 -2.28 0.00	31.10 -1.60 0.00	28.99 -1.69 0.00	26.92 -1.48 0.00	26.46 -1.48 0.00
NEG CENTRAL___DRP 24199	28.35 -0.32 0.00	26.48 -0.24 0.00	25.88 -0.26 0.00	25.09 -0.30 0.00	26.36 -0.27 0.00	27.70 -0.17 0.00	37.07 -0.53 0.00	42.07 -0.73 0.00	37.07 -0.64 0.00	31.96 -0.26 0.00	29.40 -0.27 0.00	28.48 -0.29 0.00	27.89 -0.31 0.00	28.53 -0.26 0.00	29.66 -0.33 0.00	31.17 -0.35 0.00	35.77 -0.51 0.00	43.42 -0.48 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.47 -0.23 0.00	30.34 -0.34 0.00	28.06 -0.34 0.00	27.63 -0.31 0.00
NEG CENTRAL___INDECK 23768	28.35 -0.31 0.00	26.50 -0.21 0.00	25.86 -0.29 0.00	25.07 -0.33 0.00	26.36 -0.27 0.00	27.92 0.06 0.00	37.15 -0.45 0.00	41.90 -0.90 0.00	37.26 -0.45 0.00	31.96 -0.26 0.00	29.46 -0.21 0.00	28.62 -0.14 0.00	28.26 0.06 0.00	28.81 0.03 0.00	29.93 -0.06 0.00	31.52 0.00 0.00	36.13 -0.14 0.00	43.95 0.04 0.00	39.37 -0.12 0.00	37.04 -0.26 0.00	33.00 0.29 0.00	30.65 -0.03 0.00	28.43 0.03 0.00	27.94 0.00 0.00



NEG CENTRAL___SENECA 23627	28.40 -0.26 0.00	26.53 -0.19 0.00	25.94 -0.21 0.00	25.14 -0.25 0.00	26.41 -0.21 0.00	27.81 -0.06 0.00	37.14 -0.45 0.00	42.03 -0.77 0.00	37.03 -0.68 0.00	32.05 -0.16 0.00	29.51 -0.15 0.00	28.56 -0.20 0.00	27.97 -0.23 0.00	28.61 -0.17 0.00	29.75 -0.24 0.00	31.27 -0.25 0.00	35.84 -0.44 0.00	43.47 -0.44 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.64 -0.07 0.00	30.43 -0.25 0.00	28.12 -0.28 0.00	27.71 -0.22 0.00
NEG CENTRAL___STATE_STREET 24147	28.46 -0.20 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.20 -0.20 0.00	26.44 -0.19 0.00	27.73 -0.14 0.00	37.26 -0.34 0.00	42.45 -0.34 0.00	37.44 -0.26 0.00	32.12 -0.10 0.00	29.54 -0.12 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.67 -0.12 0.00	29.84 -0.15 0.00	31.36 -0.16 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.25 -0.24 0.00	37.00 -0.30 0.00	32.57 -0.13 0.00	30.46 -0.21 0.00	28.17 -0.23 0.00	27.69 -0.25 0.00
NEG MILLWOOD___DRP 24198	30.50 1.83 0.00	28.35 1.63 0.00	27.66 1.52 0.00	26.92 1.52 0.00	28.12 1.49 0.00	29.48 1.62 0.00	40.11 2.52 0.00	45.88 3.08 0.00	40.42 2.71 0.00	34.31 2.09 0.00	31.44 1.78 0.00	30.46 1.70 0.00	29.84 1.64 0.00	30.40 1.61 0.00	31.76 1.77 0.00	33.50 1.99 0.00	38.67 2.39 0.00	47.29 3.38 0.00	42.25 2.76 0.00	39.80 2.50 0.00	34.80 2.09 0.00	32.52 1.84 0.00	30.10 1.70 0.00	29.61 1.68 0.00
NEG NORTH_FLCN_SEA 23793	28.12 -0.54 0.00	26.34 -0.37 0.00	26.07 -0.08 0.00	25.37 -0.03 0.00	26.76 0.13 0.00	27.73 -0.14 0.00	37.63 0.04 0.00	42.15 -0.64 0.00	37.29 -0.41 0.00	32.73 0.52 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.82 0.62 0.00	29.33 0.55 0.00	30.62 0.63 0.00	32.34 0.82 0.00	37.04 0.76 0.00	43.82 -0.09 0.00	39.64 0.16 0.00	37.97 0.67 0.00	33.36 0.65 0.00	31.29 0.61 0.00	28.91 0.51 0.00	28.92 0.98 0.00
NEG NORTH_KES_CHATEGAY 23792	27.83 -0.83 0.00	26.08 -0.64 0.00	25.78 -0.37 0.00	25.09 -0.30 0.00	26.47 -0.16 0.00	27.62 -0.25 0.00	37.48 -0.11 0.00	42.33 -0.47 0.00	37.44 -0.26 0.00	32.57 0.35 0.00	30.08 0.42 0.00	29.17 0.40 0.00	28.62 0.42 0.00	29.16 0.37 0.00	30.44 0.45 0.00	32.15 0.63 0.00	36.85 0.58 0.00	43.95 0.04 0.00	39.76 0.28 0.00	37.79 0.48 0.00	33.19 0.49 0.00	31.11 0.43 0.00	28.77 0.37 0.00	28.55 0.61 0.00
NEG NORTH___ALICE_FALLS 23915	28.15 -0.52 0.00	26.37 -0.35 0.00	26.09 -0.05 0.00	25.40 0.00 0.00	26.78 0.16 0.00	27.87 0.00 0.00	37.82 0.23 0.00	42.58 -0.21 0.00	37.63 -0.08 0.00	32.92 0.71 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.99 0.79 0.00	29.48 0.69 0.00	30.77 0.78 0.00	32.53 1.01 0.00	37.22 0.94 0.00	44.30 0.40 0.00	40.08 0.59 0.00	38.20 0.90 0.00	33.59 0.88 0.00	31.48 0.80 0.00	29.08 0.68 0.00	28.97 1.03 0.00
NEG NORTH___LWR_SARANAC 23913	28.15 -0.52 0.00	26.37 -0.35 0.00	26.09 -0.05 0.00	25.40 0.00 0.00	26.78 0.16 0.00	27.87 0.00 0.00	37.82 0.23 0.00	42.58 -0.21 0.00	37.63 -0.08 0.00	32.92 0.71 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.99 0.79 0.00	29.48 0.69 0.00	30.77 0.78 0.00	32.53 1.01 0.00	37.22 0.94 0.00	44.30 0.40 0.00	40.08 0.59 0.00	38.20 0.90 0.00	33.59 0.88 0.00	31.48 0.80 0.00	29.08 0.68 0.00	28.97 1.03 0.00
NEG NORTH___PLATTSBURG 23628	28.15 -0.52 0.00	26.37 -0.35 0.00	26.09 -0.05 0.00	25.40 0.00 0.00	26.79 0.16 0.00	27.87 0.00 0.00	37.82 0.23 0.00	42.54 -0.26 0.00	37.63 -0.08 0.00	32.92 0.71 0.00	30.43 0.77 0.00	29.51 0.75 0.00	28.99 0.79 0.00	29.48 0.69 0.00	30.77 0.78 0.00	32.53 1.01 0.00	37.22 0.94 0.00	44.30 0.39 0.00	39.96 0.48 0.00	37.57 0.26 0.00	33.59 0.88 0.00	31.48 0.80 0.00	29.08 0.68 0.00	28.97 1.03 0.00
NEG WEST_LEA_LOCKPORT 23791	26.68 -1.98 0.00	25.03 -1.68 0.00	24.45 -1.70 0.00	23.65 -1.75 0.00	24.79 -1.84 0.00	26.22 -1.64 0.00	33.99 -3.61 0.00	37.87 -4.92 0.00	33.52 -4.19 0.00	29.57 -2.64 0.00	27.35 -2.31 0.00	26.52 -2.24 0.00	26.06 -2.14 0.00	26.54 -2.25 0.00	27.41 -2.58 0.00	28.78 -2.74 0.00	32.76 -3.52 0.00	39.56 -4.35 0.00	35.30 -4.19 0.00	33.42 -3.88 0.00	30.12 -2.58 0.00	28.13 -2.55 0.00	26.13 -2.27 0.00	26.12 -1.82 0.00
NEG WEST___LANCASTR 23811	27.75 -0.92 0.00	26.02 -0.69 0.00	25.41 -0.73 0.00	24.61 -0.79 0.00	25.83 -0.80 0.00	27.34 -0.53 0.00	35.83 -1.77 0.00	39.93 -2.87 0.00	35.26 -2.45 0.00	30.86 -1.35 0.00	28.54 -1.13 0.00	27.70 -1.06 0.00	27.21 -0.99 0.00	27.69 -1.09 0.00	28.61 -1.38 0.00	29.97 -1.54 0.00	34.28 -2.00 0.00	41.62 -2.28 0.00	37.08 -2.41 0.00	35.03 -2.28 0.00	31.49 -1.21 0.00	29.39 -1.29 0.00	27.26 -1.14 0.00	27.29 -0.64 0.00
NEG_PENN_ALLEGHNY 23528	28.72 0.06 0.00	26.80 0.08 0.00	26.20 0.05 0.00	25.42 0.03 0.00	26.68 0.05 0.00	28.01 0.14 0.00	37.63 0.04 0.00	42.67 -0.13 0.00	37.63 -0.08 0.00	32.18 -0.03 0.00	29.63 -0.03 0.00	28.71 -0.06 0.00	28.17 -0.03 0.00	28.76 -0.03 0.00	29.93 -0.06 0.00	31.42 -0.09 0.00	36.17 -0.11 0.00	43.95 0.04 0.00	39.37 -0.12 0.00	37.19 -0.11 0.00	32.74 0.03 0.00	30.65 -0.03 0.00	28.37 -0.03 0.00	27.97 0.03 0.00
NEG___GEN_MONROE 24207	27.60 -1.06 0.00	25.78 -0.94 0.00	25.28 -0.86 0.00	24.46 -0.94 0.00	25.67 -0.96 0.00	27.06 -0.81 0.00	35.60 -1.99 0.00	40.10 -2.70 0.00	35.48 -2.22 0.00	30.89 -1.32 0.00	28.54 -1.13 0.00	27.64 -1.12 0.00	27.16 -1.04 0.00	27.69 -1.09 0.00	28.70 -1.29 0.00	30.16 -1.36 0.00	34.46 -1.81 0.00	41.75 -2.15 0.00	37.39 -2.09 0.00	35.36 -1.94 0.00	31.59 -1.11 0.00	29.42 -1.26 0.00	27.24 -1.16 0.00	27.02 -0.92 0.00
NEPA___ENERGY 23901	27.43 -1.23 0.00	25.73 -0.99 0.00	25.15 -0.99 0.00	24.36 -1.04 0.00	25.56 -1.07 0.00	27.06 -0.81 0.00	35.49 -2.11 0.00	39.59 -3.21 0.00	34.95 -2.75 0.00	30.57 -1.64 0.00	28.27 -1.39 0.00	27.41 -1.35 0.00	26.93 -1.27 0.00	27.40 -1.38 0.00	28.31 -1.68 0.00	29.66 -1.86 0.00	33.99 -2.29 0.00	41.18 -2.72 0.00	36.72 -2.76 0.00	34.73 -2.57 0.00	31.20 -1.50 0.00	29.15 -1.53 0.00	27.04 -1.36 0.00	27.02 -0.92 0.00
NEVERSINK___HYD 23608	30.12 1.46 0.00	28.03 1.31 0.00	27.32 1.18 0.00	26.54 1.14 0.00	27.82 1.20 0.00	29.12 1.26 0.00	39.66 2.07 0.00	45.19 2.40 0.00	39.63 1.92 0.00	33.67 1.45 0.00	30.79 1.13 0.00	29.83 1.06 0.00	29.19 0.99 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.83 0.32 0.00	36.89 0.62 0.00	45.18 1.27 0.00	40.39 0.91 0.00	38.09 0.78 0.00	33.19 0.49 0.00	32.00 1.32 0.00	29.59 1.19 0.00	29.17 1.23 0.00
NEWKRMKL_115KV_TB1 55635	29.35 0.69 0.00	27.31 0.59 0.00	26.72 0.58 0.00	26.03 0.63 0.00	27.18 0.56 0.00	28.56 0.70 0.00	38.57 0.98 0.00	43.99 1.20 0.00	38.72 1.02 0.00	32.89 0.68 0.00	30.26 0.59 0.00	29.37 0.60 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.68 0.69 0.00	32.21 0.69 0.00	37.11 0.83 0.00	45.13 1.23 0.00	40.47 0.99 0.00	38.23 0.93 0.00	33.42 0.72 0.00	31.39 0.71 0.00	29.11 0.71 0.00	28.55 0.61 0.00



NEWTON___FALLS_HYD 23847	27.60 -1.06 0.00	25.73 -0.99 0.00	25.23 -0.92 0.00	24.48 -0.91 0.00	25.72 -0.91 0.00	26.98 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.91 -0.79 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.60 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.85 -0.63 0.00	36.59 -0.71 0.00	32.05 -0.65 0.00	30.00 -0.67 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00
NGRID_A1_DSASP 323792	26.23 -2.44 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.46 -4.14 0.00	37.06 -5.73 0.00	33.11 -4.60 0.00	28.80 -3.42 0.00	26.67 -2.99 0.00	25.89 -2.88 0.00	25.66 -2.54 0.00	25.91 -2.88 0.00	26.84 -3.15 0.00	28.11 -3.40 0.00	31.92 -4.35 0.00	38.42 -5.49 0.00	34.51 -4.98 0.00	32.56 -4.74 0.00	29.37 -3.34 0.00	27.43 -3.25 0.00	25.67 -2.73 0.00	25.53 -2.40 0.00
NGRID_A2_DSASP 323793	26.23 -2.44 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.46 -4.14 0.00	37.06 -5.73 0.00	33.11 -4.60 0.00	28.80 -3.42 0.00	26.67 -2.99 0.00	25.89 -2.88 0.00	25.66 -2.54 0.00	25.91 -2.88 0.00	26.84 -3.15 0.00	28.11 -3.40 0.00	31.92 -4.35 0.00	38.42 -5.49 0.00	34.51 -4.98 0.00	32.56 -4.74 0.00	29.37 -3.34 0.00	27.43 -3.25 0.00	25.67 -2.73 0.00	25.53 -2.40 0.00
NGRID_A4_DSASP 323807	26.23 -2.44 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.46 -4.14 0.00	37.06 -5.73 0.00	33.11 -4.60 0.00	28.80 -3.42 0.00	26.67 -2.99 0.00	25.89 -2.88 0.00	25.66 -2.54 0.00	25.91 -2.88 0.00	26.84 -3.15 0.00	28.11 -3.40 0.00	31.92 -4.35 0.00	38.42 -5.49 0.00	34.51 -4.98 0.00	32.56 -4.74 0.00	29.37 -3.34 0.00	27.43 -3.25 0.00	25.67 -2.73 0.00	25.53 -2.40 0.00
NIAGARA_115E_LBMP 323715	26.31 -2.35 0.00	24.69 -2.03 0.00	24.11 -2.04 0.00	23.37 -2.03 0.00	24.52 -2.10 0.00	25.92 -1.95 0.00	33.65 -3.95 0.00	37.28 -5.52 0.00	33.30 -4.41 0.00	28.96 -3.25 0.00	26.82 -2.85 0.00	26.00 -2.76 0.00	25.77 -2.43 0.00	26.05 -2.74 0.00	26.96 -3.03 0.00	28.27 -3.25 0.00	32.10 -4.17 0.00	38.68 -5.23 0.00	34.70 -4.78 0.00	32.75 -4.55 0.00	29.53 -3.17 0.00	27.55 -3.13 0.00	25.79 -2.61 0.00	25.62 -2.32 0.00
NIAGARA_115W_LBMP 323714	26.14 -2.52 0.00	24.53 -2.19 0.00	23.97 -2.17 0.00	23.24 -2.16 0.00	24.36 -2.26 0.00	25.75 -2.12 0.00	33.39 -4.21 0.00	36.98 -5.82 0.00	33.03 -4.68 0.00	28.74 -3.48 0.00	26.61 -3.05 0.00	25.80 -2.96 0.00	25.58 -2.62 0.00	25.85 -2.94 0.00	26.75 -3.24 0.00	28.05 -3.47 0.00	31.81 -4.46 0.00	38.28 -5.62 0.00	34.39 -5.09 0.00	32.45 -4.85 0.00	29.30 -3.40 0.00	27.34 -3.34 0.00	25.62 -2.78 0.00	25.45 -2.49 0.00
NIAGARA_230_LBMP 323716	26.57 -2.09 0.00	24.93 -1.79 0.00	24.37 -1.78 0.00	23.62 -1.78 0.00	24.76 -1.86 0.00	26.17 -1.70 0.00	33.99 -3.61 0.00	37.66 -5.14 0.00	33.63 -4.07 0.00	29.22 -3.00 0.00	27.05 -2.61 0.00	26.23 -2.53 0.00	26.00 -2.20 0.00	26.28 -2.50 0.00	27.20 -2.79 0.00	28.52 -2.99 0.00	32.39 -3.88 0.00	38.99 -4.92 0.00	35.02 -4.46 0.00	33.05 -4.25 0.00	29.79 -2.91 0.00	27.83 -2.85 0.00	26.04 -2.36 0.00	25.87 -2.07 0.00
NIAGARA___115KV_198_GIBSON 55903	26.08 -2.58 0.00	24.47 -2.24 0.00	23.92 -2.22 0.00	23.11 -2.29 0.00	24.23 -2.40 0.00	25.61 -2.26 0.00	33.05 -4.55 0.00	36.76 -6.03 0.00	32.50 -5.20 0.00	28.74 -3.48 0.00	26.55 -3.11 0.00	25.77 -2.99 0.00	25.32 -2.88 0.00	25.79 -2.99 0.00	26.63 -3.36 0.00	27.96 -3.56 0.00	31.78 -4.50 0.00	38.29 -5.62 0.00	34.19 -5.29 0.00	32.42 -4.89 0.00	29.27 -3.43 0.00	27.34 -3.34 0.00	25.42 -2.98 0.00	25.45 -2.49 0.00
NIAGARA____ 23760	26.57 -2.09 0.00	24.93 -1.79 0.00	24.37 -1.78 0.00	23.62 -1.78 0.00	24.76 -1.86 0.00	26.17 -1.70 0.00	33.99 -3.61 0.00	37.66 -5.14 0.00	33.63 -4.07 0.00	29.22 -3.00 0.00	27.05 -2.61 0.00	26.23 -2.53 0.00	26.00 -2.20 0.00	26.28 -2.50 0.00	27.20 -2.79 0.00	28.52 -2.99 0.00	32.39 -3.88 0.00	38.99 -4.92 0.00	35.02 -4.46 0.00	33.05 -4.25 0.00	29.79 -2.91 0.00	27.83 -2.85 0.00	26.04 -2.36 0.00	25.87 -2.07 0.00
NINE_MILE_1 23575	27.66 -1.00 0.00	25.78 -0.94 0.00	25.23 -0.92 0.00	24.51 -0.89 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.09 -1.50 0.00	41.04 -1.76 0.00	36.20 -1.51 0.00	30.96 -1.26 0.00	28.54 -1.13 0.00	27.64 -1.12 0.00	27.13 -1.07 0.00	27.69 -1.09 0.00	28.85 -1.14 0.00	30.29 -1.23 0.00	34.82 -1.45 0.00	42.19 -1.71 0.00	37.90 -1.58 0.00	35.77 -1.53 0.00	31.43 -1.28 0.00	29.48 -1.20 0.00	27.32 -1.08 0.00	26.85 -1.09 0.00
NINE_MILE_2 23744	27.66 -1.00 0.00	25.78 -0.94 0.00	25.23 -0.92 0.00	24.51 -0.89 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.09 -1.50 0.00	41.04 -1.76 0.00	36.20 -1.51 0.00	30.96 -1.26 0.00	28.54 -1.13 0.00	27.67 -1.09 0.00	27.13 -1.07 0.00	27.69 -1.09 0.00	28.85 -1.14 0.00	30.29 -1.23 0.00	34.82 -1.45 0.00	42.24 -1.67 0.00	37.90 -1.58 0.00	35.77 -1.53 0.00	31.43 -1.28 0.00	29.48 -1.20 0.00	27.32 -1.08 0.00	26.85 -1.09 0.00
NM_CAPITAL___DRP 24208	29.47 0.80 0.00	27.41 0.69 0.00	26.82 0.68 0.00	26.11 0.71 0.00	27.29 0.67 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.12 1.33 0.00	38.84 1.13 0.00	32.96 0.74 0.00	30.37 0.71 0.00	29.45 0.69 0.00	28.90 0.70 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.27 0.76 0.00	37.22 0.94 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.35 1.04 0.00	33.49 0.78 0.00	31.48 0.80 0.00	29.19 0.80 0.00	28.66 0.73 0.00
NM_CENTRAL___DRP 24181	28.26 -0.40 0.00	26.37 -0.35 0.00	25.78 -0.37 0.00	25.02 -0.38 0.00	26.25 -0.37 0.00	27.39 -0.47 0.00	36.77 -0.83 0.00	41.85 -0.94 0.00	36.88 -0.83 0.00	31.60 -0.61 0.00	29.10 -0.56 0.00	28.25 -0.52 0.00	27.69 -0.51 0.00	28.27 -0.52 0.00	29.42 -0.57 0.00	30.89 -0.63 0.00	35.51 -0.76 0.00	43.11 -0.79 0.00	38.62 -0.87 0.00	36.44 -0.86 0.00	32.05 -0.65 0.00	30.07 -0.61 0.00	27.86 -0.54 0.00	27.41 -0.53 0.00
NM_FRONTIER___DRP 24179	26.08 -2.58 0.00	24.47 -2.24 0.00	23.92 -2.22 0.00	23.11 -2.29 0.00	24.23 -2.40 0.00	25.61 -2.26 0.00	33.05 -4.55 0.00	36.76 -6.03 0.00	32.50 -5.20 0.00	28.74 -3.48 0.00	26.55 -3.11 0.00	25.77 -2.99 0.00	25.32 -2.88 0.00	25.79 -2.99 0.00	26.63 -3.36 0.00	27.96 -3.56 0.00	31.78 -4.50 0.00	38.29 -5.62 0.00	34.19 -5.29 0.00	32.42 -4.89 0.00	29.27 -3.43 0.00	27.34 -3.34 0.00	25.42 -2.98 0.00	25.45 -2.49 0.00
NM_ST_REGIS___HYD 24053	27.66 -1.00 0.00	25.84 -0.88 0.00	25.41 -0.73 0.00	24.71 -0.69 0.00	25.96 -0.67 0.00	27.17 -0.70 0.00	37.03 -0.56 0.00	41.90 -0.90 0.00	37.14 -0.57 0.00	31.99 -0.23 0.00	29.49 -0.18 0.00	28.56 -0.20 0.00	28.00 -0.20 0.00	28.58 -0.20 0.00	29.78 -0.21 0.00	31.39 -0.13 0.00	35.98 -0.29 0.00	43.03 -0.88 0.00	39.17 -0.32 0.00	37.00 -0.30 0.00	32.47 -0.23 0.00	30.43 -0.25 0.00	28.12 -0.28 0.00	27.63 -0.31 0.00



NORTHPORT___1 23551	32.80 2.21 -1.93	28.78 2.06 0.00	28.75 1.99 -0.62	28.46 1.96 -1.10	29.59 2.00 -0.96	33.69 2.01 -3.82	40.61 3.01 0.00	49.63 3.72 -3.11	42.62 3.05 -1.86	34.66 2.45 0.00	31.62 1.96 0.00	30.66 1.90 0.00	29.95 1.75 0.00	30.63 1.84 0.00	32.12 2.13 0.00	34.97 2.43 -1.02	40.25 2.86 -1.12	52.64 3.91 -4.83	47.92 3.12 -5.31	46.57 3.02 -6.25	43.92 2.45 -8.76	39.70 2.33 -6.69	30.50 2.02 -0.09	30.06 2.12 0.00
NORTHPORT___2 23552	32.80 2.21 -1.93	28.78 2.06 0.00	28.75 1.99 -0.62	28.46 1.96 -1.10	29.59 2.00 -0.96	33.69 2.01 -3.82	40.61 3.01 0.00	49.63 3.72 -3.11	42.62 3.05 -1.86	34.66 2.45 0.00	31.62 1.96 0.00	30.66 1.90 0.00	29.95 1.75 0.00	30.63 1.84 0.00	32.12 2.13 0.00	34.97 2.43 -1.02	40.25 2.86 -1.12	52.64 3.91 -4.83	47.92 3.12 -5.31	46.57 3.02 -6.25	43.92 2.45 -8.76	39.70 2.33 -6.69	30.50 2.02 -0.09	30.06 2.12 0.00
NORTHPORT___3 23553	33.14 2.55 -1.93	29.04 2.32 0.00	28.96 2.20 -0.62	28.66 2.16 -1.10	29.83 2.24 -0.96	34.04 2.34 -3.83	40.99 3.38 -0.01	50.11 4.20 -3.12	43.08 3.51 -1.87	35.12 2.90 0.00	32.12 2.46 0.00	31.12 2.36 0.00	30.40 2.20 0.00	31.12 2.33 0.00	32.57 2.58 0.00	35.33 2.77 -1.03	40.77 3.37 -1.12	53.13 4.39 -4.84	48.44 3.63 -5.32	47.10 3.55 -6.25	44.35 2.88 -8.77	40.14 2.76 -6.70	30.91 2.41 -0.10	30.37 2.43 0.00
NORTHPORT___4 23650	33.14 2.55 -1.93	29.04 2.32 0.00	28.96 2.20 -0.62	28.66 2.16 -1.10	29.83 2.24 -0.96	34.04 2.34 -3.83	40.99 3.38 -0.01	50.11 4.20 -3.12	43.08 3.51 -1.87	35.12 2.90 0.00	32.12 2.46 0.00	31.12 2.36 0.00	30.40 2.20 0.00	31.12 2.33 0.00	32.57 2.58 0.00	35.33 2.77 -1.03	40.77 3.37 -1.12	53.13 4.39 -4.84	48.44 3.63 -5.32	47.10 3.55 -6.25	44.35 2.88 -8.77	40.14 2.76 -6.70	30.91 2.41 -0.10	30.37 2.43 0.00
NORTHPORT___IC 23718	32.80 2.21 -1.93	28.78 2.06 0.00	28.75 1.99 -0.62	28.46 1.96 -1.10	29.59 2.00 -0.96	33.69 2.01 -3.82	40.61 3.01 0.00	49.63 3.72 -3.11	42.62 3.05 -1.86	34.66 2.45 0.00	31.62 1.96 0.00	30.66 1.90 0.00	29.95 1.75 0.00	30.63 1.84 0.00	32.12 2.13 0.00	34.97 2.43 -1.02	40.25 2.86 -1.12	52.64 3.91 -4.83	47.92 3.12 -5.31	46.57 3.02 -6.25	43.92 2.45 -8.76	39.70 2.33 -6.69	30.50 2.02 -0.09	30.06 2.12 0.00
NORTH___COUNTRY_ESR 323785	27.74 -0.92 0.00	26.00 -0.72 0.00	25.70 -0.44 0.00	25.02 -0.38 0.00	26.39 -0.24 0.00	27.50 -0.36 0.00	37.33 -0.26 0.00	42.16 -0.64 0.00	37.29 -0.41 0.00	32.44 0.23 0.00	29.96 0.30 0.00	29.05 0.29 0.00	28.54 0.34 0.00	29.04 0.26 0.00	30.32 0.33 0.00	32.02 0.50 0.00	36.71 0.44 0.00	43.73 -0.17 0.00	39.44 -0.04 0.00	37.15 -0.15 0.00	33.03 0.33 0.00	30.99 0.31 0.00	28.65 0.26 0.00	28.47 0.53 0.00
NPX_GEN_1385_PROXY 323591	32.68 2.09 -1.93	28.91 2.19 0.00	28.83 2.06 -0.62	28.64 2.13 -1.10	29.69 2.10 -0.96	33.58 1.90 -3.82	40.91 3.31 0.00	50.10 3.81 -3.50	42.35 3.17 -1.48	34.31 2.09 0.00	31.26 1.60 0.00	30.46 1.70 0.00	29.75 1.55 0.00	30.25 1.47 0.00	32.15 2.16 0.00	35.09 2.55 -1.02	40.22 2.83 -1.12	52.37 3.64 -4.83	47.76 2.96 -5.31	45.32 2.91 -5.10	44.70 2.09 -9.90	39.51 2.15 -6.69	30.56 2.07 -0.09	30.09 2.15 0.00
NPX_GEN_CSC 323557	33.20 2.61 -1.93	29.07 2.35 0.00	29.36 2.59 -0.62	29.04 2.54 -1.10	30.23 2.64 -0.96	34.53 2.84 -3.82	41.92 4.32 0.00	51.47 5.18 -3.50	43.55 4.37 -1.48	35.63 3.41 0.00	32.54 2.88 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.02 3.03 0.00	35.98 3.44 -1.03	41.05 3.66 -1.12	53.78 5.05 -4.83	48.87 4.07 -5.31	46.51 4.10 -5.10	46.33 3.73 -9.90	40.83 3.47 -6.69	31.44 2.95 -0.09	30.90 2.96 0.00
NSINS_S_GLNS_FALLS 23858	30.64 1.98 0.00	28.51 1.79 0.00	27.92 1.78 0.00	27.15 1.75 0.00	28.52 1.89 0.00	30.04 2.17 0.00	40.72 3.12 0.00	46.22 3.42 0.00	40.65 2.94 0.00	34.31 2.09 0.00	31.38 1.72 0.00	30.46 1.70 0.00	29.81 1.61 0.00	30.54 1.76 0.00	31.91 1.92 0.00	33.54 2.02 0.00	38.67 2.39 0.00	47.15 3.25 0.00	42.33 2.84 0.00	39.95 2.65 0.00	34.86 2.16 0.00	32.70 2.02 0.00	30.19 1.79 0.00	29.86 1.93 0.00
NUCOR_STEEL___DRP 24197	28.52 -0.14 0.00	26.61 -0.11 0.00	26.01 -0.13 0.00	25.25 -0.15 0.00	26.49 -0.13 0.00	27.73 -0.14 0.00	37.26 -0.34 0.00	42.41 -0.39 0.00	37.37 -0.34 0.00	32.02 -0.19 0.00	29.46 -0.21 0.00	28.56 -0.20 0.00	28.00 -0.20 0.00	28.61 -0.17 0.00	29.78 -0.21 0.00	31.30 -0.22 0.00	35.98 -0.29 0.00	43.73 -0.18 0.00	39.17 -0.32 0.00	36.93 -0.37 0.00	32.54 -0.16 0.00	30.43 -0.25 0.00	28.17 -0.23 0.00	27.69 -0.25 0.00
NUMBER_THREE_WT_PWR 323818	28.23 -0.43 0.00	26.29 -0.43 0.00	25.70 -0.44 0.00	24.97 -0.43 0.00	26.20 -0.43 0.00	27.53 -0.33 0.00	37.56 -0.04 0.00	42.80 0.00 0.00	37.67 -0.04 0.00	32.15 -0.06 0.00	29.52 -0.15 0.00	28.56 -0.20 0.00	28.00 -0.20 0.00	28.64 -0.14 0.00	29.84 -0.15 0.00	31.52 0.00 0.00	36.24 -0.04 0.00	43.99 0.09 0.00	39.56 0.08 0.00	37.27 -0.04 0.00	32.64 -0.07 0.00	30.56 -0.12 0.00	28.14 -0.26 0.00	27.55 -0.39 0.00
NYISO_LBMP_REFERENCE 24008	28.66 0.00 0.00	26.72 0.00 0.00	26.14 0.00 0.00	25.40 0.00 0.00	26.63 0.00 0.00	27.87 0.00 0.00	37.60 0.00 0.00	42.80 0.00 0.00	37.71 0.00 0.00	32.22 0.00 0.00	29.66 0.00 0.00	28.76 0.00 0.00	28.20 0.00 0.00	28.79 0.00 0.00	29.99 0.00 0.00	31.52 0.00 0.00	36.27 0.00 0.00	43.91 0.00 0.00	39.48 0.00 0.00	37.30 0.00 0.00	32.70 0.00 0.00	30.68 0.00 0.00	28.40 0.00 0.00	27.94 0.00 0.00
NYPA_BRENTWD___GT 24164	33.26 2.67 -1.93	29.15 2.43 0.00	29.12 2.35 -0.62	28.81 2.31 -1.10	29.96 2.37 -0.96	34.20 2.51 -3.82	41.36 3.76 0.00	50.49 4.58 -3.12	43.41 3.85 -1.86	35.28 3.06 0.00	32.21 2.55 0.00	31.15 2.39 0.00	30.40 2.20 0.00	31.15 2.36 0.00	32.69 2.70 0.00	35.57 3.03 -1.03	40.98 3.59 -1.12	53.61 4.87 -4.83	48.75 3.95 -5.31	47.36 3.81 -6.25	44.63 3.17 -8.76	40.38 3.01 -6.69	31.07 2.58 -0.09	30.54 2.60 0.00
NYPA_GOWANUS___GT5 24156	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.08 2.79 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.30 2.95 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01
NYPA_GOWANUS___GT6 24157	30.73 2.06 0.00	28.56 1.84 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.33 1.71 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.46 0.00	40.54 2.83 0.00	34.66 2.45 0.00	31.74 2.08 0.00	30.84 2.07 0.00	30.17 1.97 0.00	30.83 2.04 0.00	32.12 2.13 0.00	33.79 2.27 0.00	39.08 2.79 -0.02	64.65 3.86 -16.88	136.45 3.08 -93.88	40.30 2.95 -0.06	66.23 2.36 -31.17	35.43 2.39 -2.36	30.42 2.02 0.00	29.90 1.95 -0.01



NYPA_HARLEM__RVR__GT1 24160	30.79 2.12 -0.01	28.64 1.92 0.00	27.90 1.75 -0.01	27.13 1.73 -0.01	28.42 1.78 -0.01	29.54 1.67 0.00	40.08 2.48 0.00	45.83 3.04 0.01	40.15 2.45 0.01	34.33 2.13 0.01	31.49 1.84 0.01	30.60 1.84 0.01	29.94 1.75 0.01	30.59 1.81 0.01	31.87 1.89 0.01	33.50 1.99 0.01	38.82 2.54 -0.01	47.29 3.38 -0.01	42.12 2.65 0.01	39.90 2.61 0.01	34.69 2.00 0.01	32.83 2.15 -0.01	30.42 2.02 0.00	29.98 2.04 -0.01
NYPA_HARLEM__RVR__GT2 24161	30.79 2.12 -0.01	28.64 1.92 0.00	27.90 1.75 -0.01	27.13 1.73 -0.01	28.42 1.78 -0.01	29.54 1.67 0.00	40.08 2.48 0.00	45.83 3.04 0.01	40.15 2.45 0.01	34.33 2.13 0.01	31.49 1.84 0.01	30.60 1.84 0.01	29.94 1.75 0.01	30.59 1.81 0.01	31.87 1.89 0.01	33.50 1.99 0.01	38.82 2.54 -0.01	47.29 3.38 -0.01	42.12 2.65 0.01	39.90 2.61 0.01	34.69 2.00 0.01	32.83 2.15 -0.01	30.42 2.02 0.00	29.98 2.04 -0.01
NYPA_KENT____GT 24152	30.73 2.06 0.00	28.54 1.82 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.22 3.42 0.00	40.50 2.79 0.00	34.60 2.38 0.00	31.71 2.05 0.00	30.81 2.04 0.00	30.14 1.94 0.00	30.80 2.01 0.00	32.09 2.10 0.00	33.76 2.24 0.00	39.08 2.79 -0.02	57.35 3.78 -9.67	96.23 3.00 -53.75	40.25 2.91 -0.03	52.84 2.29 -17.84	34.36 2.33 -1.35	30.39 1.99 0.00	29.90 1.95 -0.01
NYPA_POUCH1____GT 24155	30.64 1.98 0.00	28.45 1.74 0.00	27.71 1.57 0.00	26.92 1.52 0.00	28.22 1.60 0.00	29.43 1.56 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.50 2.29 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.03 1.83 0.00	30.69 1.90 0.00	31.97 1.98 0.00	33.66 2.14 0.00	38.93 2.65 -0.01	64.48 3.69 -16.88	136.29 2.92 -93.88	40.16 2.80 -0.06	66.13 2.25 -31.17	35.34 2.30 -2.36	30.30 1.90 0.00	29.82 1.87 -0.01
NYPA_VERNON____GT2 24162	30.70 2.04 0.00	28.54 1.82 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.54 1.67 0.00	40.23 2.63 0.00	46.18 3.38 0.00	40.46 2.75 0.00	34.57 2.35 0.00	31.68 2.02 0.00	30.78 2.01 0.00	30.12 1.92 0.00	30.77 1.98 0.00	32.03 2.04 0.00	33.69 2.17 0.00	39.01 2.72 -0.02	50.06 3.69 -2.46	55.98 2.88 -13.62	40.14 2.83 -0.01	39.41 2.19 -4.52	33.27 2.24 -0.35	30.36 1.96 0.00	29.87 1.93 -0.01
NYPA_VERNON____GT3 24163	30.70 2.04 0.00	28.54 1.82 0.00	27.82 1.67 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.54 1.67 0.00	40.23 2.63 0.00	46.18 3.38 0.00	40.46 2.75 0.00	34.57 2.35 0.00	31.68 2.02 0.00	30.78 2.01 0.00	30.12 1.92 0.00	30.77 1.98 0.00	32.03 2.04 0.00	33.69 2.17 0.00	39.01 2.72 -0.02	50.06 3.69 -2.46	55.98 2.88 -13.62	40.14 2.83 -0.01	39.41 2.19 -4.52	33.27 2.24 -0.35	30.36 1.96 0.00	29.87 1.93 -0.01
NYPA__ASTORIA_CC1 323568	30.67 2.01 0.00	28.54 1.82 0.00	27.79 1.65 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.54 2.32 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	47.52 3.60 -0.02	42.33 2.84 0.00	40.10 2.80 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.36 1.96 0.00	29.87 1.93 -0.01
NYPA__ASTORIA_CC2 323569	30.67 2.01 0.00	28.54 1.82 0.00	27.79 1.65 0.00	27.03 1.63 0.00	28.30 1.68 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.54 2.32 0.00	31.62 1.96 0.00	30.72 1.96 0.00	30.06 1.86 0.00	30.71 1.93 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	47.52 3.60 -0.02	42.33 2.84 0.00	40.10 2.80 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.36 1.96 0.00	29.87 1.93 -0.01
NYPA__HOLTSVILL 23794	33.17 2.58 -1.93	29.07 2.35 0.00	29.15 2.38 -0.62	28.84 2.34 -1.10	30.01 2.42 -0.96	34.28 2.59 -3.82	41.51 3.91 0.00	50.62 4.71 -3.11	43.52 3.96 -1.86	35.34 3.12 0.00	32.27 2.61 0.00	31.21 2.44 0.00	30.43 2.23 0.00	31.17 2.39 0.00	32.75 2.76 0.00	35.66 3.12 -1.03	40.95 3.56 -1.12	53.56 4.83 -4.83	48.71 3.91 -5.31	47.39 3.84 -6.25	44.80 3.34 -8.76	40.46 3.10 -6.69	31.16 2.67 -0.09	30.62 2.68 0.00
NYPA__HELLGATE_GT1 24158	30.79 2.12 -0.01	28.64 1.92 0.00	27.90 1.75 -0.01	27.13 1.73 -0.01	28.42 1.78 -0.01	29.54 1.67 0.00	40.08 2.48 0.00	45.83 3.04 0.01	40.15 2.45 0.01	34.33 2.13 0.01	31.49 1.84 0.01	30.60 1.84 0.01	29.94 1.75 0.01	30.59 1.81 0.01	31.87 1.89 0.01	33.50 1.99 0.01	38.82 2.54 -0.01	47.29 3.38 -0.01	42.12 2.65 0.01	39.90 2.61 0.01	34.69 2.00 0.01	32.83 2.15 -0.01	30.42 2.02 0.00	29.98 2.04 -0.01
NYPA__HELLGATE_GT2 24159	30.79 2.12 -0.01	28.64 1.92 0.00	27.90 1.75 -0.01	27.13 1.73 -0.01	28.42 1.78 -0.01	29.54 1.67 0.00	40.08 2.48 0.00	45.83 3.04 0.01	40.15 2.45 0.01	34.33 2.13 0.01	31.49 1.84 0.01	30.60 1.84 0.01	29.94 1.75 0.01	30.59 1.81 0.01	31.87 1.89 0.01	33.50 1.99 0.01	38.82 2.54 -0.01	47.29 3.38 -0.01	42.12 2.65 0.01	39.90 2.61 0.01	34.69 2.00 0.01	32.83 2.15 -0.01	30.42 2.02 0.00	29.98 2.04 -0.01
NYS_BARGE__HYD 23848	26.74 -1.92 0.00	25.09 -1.63 0.00	24.50 -1.65 0.00	23.75 -1.65 0.00	24.92 -1.70 0.00	26.36 -1.51 0.00	34.32 -3.27 0.00	38.13 -4.66 0.00	34.05 -3.66 0.00	29.57 -2.64 0.00	27.38 -2.28 0.00	26.55 -2.21 0.00	26.31 -1.89 0.00	26.60 -2.19 0.00	27.56 -2.43 0.00	28.87 -2.65 0.00	32.83 -3.45 0.00	39.60 -4.30 0.00	35.54 -3.95 0.00	33.50 -3.81 0.00	30.18 -2.52 0.00	28.13 -2.55 0.00	26.30 -2.10 0.00	26.09 -1.84 0.00
OAK ORCHARD__HYD 24046	27.54 -1.12 0.00	25.73 -0.99 0.00	25.15 -0.99 0.00	24.38 -1.02 0.00	25.59 -1.04 0.00	26.97 -0.89 0.00	35.75 -1.84 0.00	40.27 -2.53 0.00	35.82 -1.88 0.00	30.86 -1.35 0.00	28.51 -1.16 0.00	27.61 -1.15 0.00	27.24 -0.96 0.00	27.69 -1.09 0.00	28.76 -1.23 0.00	30.20 -1.32 0.00	34.50 -1.78 0.00	41.71 -2.19 0.00	37.43 -2.05 0.00	35.29 -2.01 0.00	31.43 -1.28 0.00	29.30 -1.38 0.00	27.23 -1.17 0.00	26.82 -1.12 0.00
OAKDALE__35_KV_LOAD 356122	28.66 0.00 0.00	26.74 0.03 0.00	26.14 0.00 0.00	25.37 -0.03 0.00	26.63 0.00 0.00	27.95 0.08 0.00	37.52 -0.08 0.00	42.54 -0.26 0.00	37.48 -0.23 0.00	32.12 -0.10 0.00	29.57 -0.09 0.00	28.68 -0.09 0.00	28.11 -0.08 0.00	28.70 -0.09 0.00	29.87 -0.12 0.00	31.36 -0.16 0.00	36.09 -0.18 0.00	43.86 -0.04 0.00	39.25 -0.24 0.00	37.08 -0.22 0.00	32.70 0.00 0.00	30.62 -0.06 0.00	28.31 -0.09 0.00	27.94 0.00 0.00
OCC_CHEM__DRP 24175	26.17 -2.49 0.00	24.55 -2.16 0.00	23.97 -2.17 0.00	23.19 -2.21 0.00	24.28 -2.34 0.00	25.67 -2.20 0.00	33.12 -4.47 0.00	36.85 -5.95 0.00	32.58 -5.13 0.00	28.80 -3.41 0.00	26.64 -3.03 0.00	25.86 -2.91 0.00	25.41 -2.79 0.00	25.88 -2.91 0.00	26.72 -3.27 0.00	28.05 -3.47 0.00	31.85 -4.43 0.00	38.42 -5.49 0.00	34.27 -5.21 0.00	32.49 -4.81 0.00	29.33 -3.37 0.00	27.43 -3.25 0.00	25.50 -2.90 0.00	25.53 -2.40 0.00



OH_GEN_PROXY 24063	26.63 -2.03 0.00	24.98 -1.74 0.00	24.42 -1.73 0.00	23.67 -1.73 0.00	24.81 -1.81 0.00	26.22 -1.64 0.00	34.10 -3.50 0.00	38.21 -4.96 -0.38	33.37 -3.96 0.38	29.32 -2.90 0.00	27.14 -2.52 0.00	26.32 -2.45 0.00	26.08 -2.12 0.00	26.37 -2.42 0.00	27.32 -2.67 0.00	28.62 -2.90 0.00	32.54 -3.74 0.00	39.16 -4.74 0.00	35.18 -4.30 0.00	32.06 -4.10 1.14	31.03 -2.81 -1.14	27.92 -2.76 0.00	26.13 -2.27 0.00	25.93 -2.01 0.00
OLIN_CORP_DRP 24177	26.31 -2.35 0.00	24.69 -2.03 0.00	24.11 -2.04 0.00	23.32 -2.08 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.38 -4.21 0.00	37.15 -5.65 0.00	32.88 -4.83 0.00	29.03 -3.19 0.00	26.85 -2.82 0.00	26.03 -2.73 0.00	25.58 -2.62 0.00	26.05 -2.73 0.00	26.93 -3.06 0.00	28.27 -3.25 0.00	32.10 -4.17 0.00	38.77 -5.14 0.00	34.59 -4.90 0.00	32.79 -4.51 0.00	29.56 -3.14 0.00	27.61 -3.07 0.00	25.67 -2.73 0.00	25.70 -2.23 0.00
OLIN_CORP_DSASP 323712	26.23 -2.44 0.00	24.61 -2.11 0.00	24.05 -2.09 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.46 -4.14 0.00	37.06 -5.73 0.00	33.11 -4.60 0.00	28.80 -3.42 0.00	26.67 -2.99 0.00	25.89 -2.88 0.00	25.66 -2.54 0.00	25.91 -2.88 0.00	26.84 -3.15 0.00	28.11 -3.40 0.00	31.92 -4.35 0.00	38.42 -5.49 0.00	34.51 -4.98 0.00	32.56 -4.74 0.00	29.37 -3.34 0.00	27.43 -3.25 0.00	25.67 -2.73 0.00	25.53 -2.40 0.00
ONEIDA_HERK_LFGE 323681	28.95 0.29 0.00	26.96 0.24 0.00	26.35 0.21 0.00	25.60 0.20 0.00	26.86 0.24 0.00	28.23 0.36 0.00	38.39 0.79 0.00	43.74 0.94 0.00	38.50 0.79 0.00	32.83 0.61 0.00	30.17 0.50 0.00	29.22 0.46 0.00	28.62 0.42 0.00	29.27 0.49 0.00	30.50 0.51 0.00	32.15 0.63 0.00	37.00 0.73 0.00	44.92 1.01 0.00	40.35 0.87 0.00	38.01 0.71 0.00	33.29 0.59 0.00	31.17 0.49 0.00	28.74 0.34 0.00	28.19 0.25 0.00
ONEIDA___115KV_TB4 55905	29.32 0.66 0.00	27.33 0.61 0.00	26.72 0.58 0.00	25.93 0.53 0.00	27.21 0.59 0.00	28.62 0.75 0.00	38.80 1.20 0.00	44.21 1.41 0.00	38.88 1.17 0.00	33.18 0.97 0.00	30.52 0.86 0.00	29.57 0.81 0.00	28.96 0.76 0.00	29.62 0.83 0.00	30.83 0.84 0.00	32.50 0.98 0.00	37.33 1.05 0.00	45.31 1.40 0.00	40.63 1.15 0.00	38.27 0.97 0.00	33.59 0.88 0.00	31.45 0.77 0.00	29.02 0.62 0.00	28.47 0.53 0.00
ONONDAGA_REF_OCCRA 23987	28.43 -0.23 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.39 -0.24 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.83 -0.39 0.00	29.31 -0.36 0.00	28.42 -0.35 0.00	27.86 -0.34 0.00	28.47 -0.32 0.00	29.60 -0.39 0.00	31.11 -0.41 0.00	35.77 -0.51 0.00	43.47 -0.44 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.31 -0.39 0.00	30.28 -0.40 0.00	28.06 -0.34 0.00	27.57 -0.36 0.00
ONONDAGA___COGEN 23986	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00
ONTARIO___LFGE 23819	28.43 -0.23 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.19 -0.20 0.00	26.47 -0.16 0.00	27.87 0.00 0.00	37.37 -0.22 0.00	42.11 -0.69 0.00	37.44 -0.26 0.00	32.05 -0.16 0.00	29.52 -0.15 0.00	28.56 -0.20 0.00	28.06 -0.14 0.00	28.64 -0.14 0.00	29.81 -0.18 0.00	31.30 -0.22 0.00	35.88 -0.40 0.00	43.47 -0.44 0.00	38.97 -0.51 0.00	36.86 -0.45 0.00	32.64 -0.07 0.00	30.43 -0.25 0.00	28.20 -0.20 0.00	27.71 -0.22 0.00
ORANGEVILLE_WT_PWR 323706	27.29 -1.38 0.00	25.57 -1.15 0.00	24.99 -1.15 0.00	24.28 -1.12 0.00	25.53 -1.09 0.00	27.00 -0.86 0.00	35.53 -2.07 0.00	39.67 -3.12 0.00	35.33 -2.37 0.00	30.54 -1.68 0.00	28.21 -1.45 0.00	27.36 -1.41 0.00	27.04 -1.16 0.00	27.40 -1.38 0.00	28.43 -1.56 0.00	29.82 -1.70 0.00	34.02 -2.25 0.00	41.23 -2.68 0.00	36.92 -2.57 0.00	34.80 -2.50 0.00	31.17 -1.54 0.00	29.08 -1.60 0.00	27.09 -1.31 0.00	26.88 -1.06 0.00
ORANGEVILLE___ESR 323794	27.29 -1.38 0.00	25.57 -1.15 0.00	24.99 -1.15 0.00	24.28 -1.12 0.00	25.53 -1.09 0.00	27.00 -0.86 0.00	35.53 -2.07 0.00	39.67 -3.12 0.00	35.33 -2.37 0.00	30.54 -1.68 0.00	28.21 -1.45 0.00	27.36 -1.41 0.00	27.04 -1.16 0.00	27.40 -1.38 0.00	28.43 -1.56 0.00	29.82 -1.70 0.00	34.02 -2.25 0.00	41.23 -2.68 0.00	36.92 -2.57 0.00	34.80 -2.50 0.00	31.17 -1.54 0.00	29.08 -1.60 0.00	27.09 -1.31 0.00	26.88 -1.06 0.00
OSWEGATCHIE___HYD 24044	27.60 -1.06 0.00	25.73 -0.99 0.00	25.20 -0.94 0.00	24.49 -0.91 0.00	25.69 -0.93 0.00	26.97 -0.89 0.00	36.77 -0.83 0.00	41.77 -1.03 0.00	36.88 -0.83 0.00	31.57 -0.64 0.00	29.04 -0.62 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.18 -0.61 0.00	29.36 -0.63 0.00	30.95 -0.57 0.00	35.55 -0.73 0.00	42.85 -1.05 0.00	38.65 -0.83 0.00	36.52 -0.79 0.00	32.05 -0.65 0.00	30.00 -0.68 0.00	27.69 -0.71 0.00	27.13 -0.81 0.00
OSWEGO___5 23606	27.89 -0.77 0.00	25.97 -0.75 0.00	25.41 -0.73 0.00	24.69 -0.71 0.00	25.88 -0.75 0.00	27.06 -0.81 0.00	36.39 -1.20 0.00	41.39 -1.41 0.00	36.50 -1.21 0.00	31.22 -1.00 0.00	28.77 -0.89 0.00	27.87 -0.89 0.00	27.35 -0.85 0.00	27.92 -0.86 0.00	29.09 -0.90 0.00	30.54 -0.98 0.00	35.11 -1.16 0.00	42.59 -1.32 0.00	38.22 -1.27 0.00	36.07 -1.23 0.00	31.69 -1.01 0.00	29.73 -0.95 0.00	27.55 -0.85 0.00	27.07 -0.87 0.00
OSWEGO___6 23613	27.89 -0.77 0.00	25.97 -0.75 0.00	25.41 -0.73 0.00	24.69 -0.71 0.00	25.88 -0.75 0.00	27.06 -0.81 0.00	36.39 -1.20 0.00	41.39 -1.41 0.00	36.50 -1.21 0.00	31.22 -1.00 0.00	28.77 -0.89 0.00	27.87 -0.89 0.00	27.35 -0.85 0.00	27.92 -0.86 0.00	29.09 -0.90 0.00	30.54 -0.98 0.00	35.11 -1.16 0.00	42.59 -1.32 0.00	38.22 -1.27 0.00	36.07 -1.23 0.00	31.69 -1.01 0.00	29.73 -0.95 0.00	27.55 -0.85 0.00	27.07 -0.87 0.00
OUTOKUMPU-AB___DRP 24206	26.89 -1.78 0.00	25.22 -1.50 0.00	24.63 -1.52 0.00	23.82 -1.57 0.00	24.97 -1.65 0.00	26.42 -1.45 0.00	34.25 -3.35 0.00	38.22 -4.58 0.00	33.82 -3.88 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.78 -1.98 0.00	26.31 -1.89 0.00	26.80 -1.99 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.01 -3.26 0.00	40.00 -3.91 0.00	35.61 -3.87 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.35 -2.04 0.00	26.32 -1.62 0.00
OXBOW___BTM 323836	26.60 -2.06 0.00	24.95 -1.76 0.00	24.39 -1.75 0.00	23.62 -1.78 0.00	24.79 -1.84 0.00	26.22 -1.64 0.00	34.06 -3.54 0.00	37.79 -5.01 0.00	33.78 -3.92 0.00	29.38 -2.84 0.00	27.20 -2.46 0.00	26.38 -2.39 0.00	26.14 -2.06 0.00	26.43 -2.36 0.00	27.35 -2.64 0.00	28.65 -2.87 0.00	32.54 -3.74 0.00	39.25 -4.66 0.00	35.22 -4.26 0.00	33.20 -4.10 0.00	29.92 -2.78 0.00	27.92 -2.76 0.00	26.13 -2.27 0.00	25.95 -1.98 0.00



OXBOW____ 24026	26.54 -2.12 0.00	24.90 -1.82 0.00	24.31 -1.83 0.00	23.52 -1.88 0.00	24.65 -1.97 0.00	26.06 -1.81 0.00	33.72 -3.87 0.00	37.58 -5.22 0.00	33.26 -4.45 0.00	29.38 -2.83 0.00	27.14 -2.52 0.00	26.35 -2.42 0.00	25.89 -2.31 0.00	26.37 -2.42 0.00	27.23 -2.76 0.00	28.56 -2.96 0.00	32.46 -3.81 0.00	39.25 -4.65 0.00	35.02 -4.46 0.00	33.16 -4.14 0.00	29.89 -2.81 0.00	27.92 -2.76 0.00	25.96 -2.44 0.00	25.95 -1.98 0.00
OXY_CHEM_DSASP 323612	26.17 -2.49 0.00	24.55 -2.16 0.00	23.97 -2.17 0.00	23.19 -2.21 0.00	24.28 -2.34 0.00	25.67 -2.20 0.00	33.12 -4.47 0.00	36.85 -5.95 0.00	32.58 -5.13 0.00	28.80 -3.41 0.00	26.64 -3.03 0.00	25.86 -2.91 0.00	25.41 -2.79 0.00	25.88 -2.91 0.00	26.72 -3.27 0.00	28.05 -3.47 0.00	31.85 -4.43 0.00	38.42 -5.49 0.00	34.27 -5.21 0.00	32.49 -4.81 0.00	29.33 -3.37 0.00	27.43 -3.25 0.00	25.50 -2.90 0.00	25.53 -2.40 0.00
OZONE_PARK_ESR 323760	30.67 2.01 0.00	28.48 1.76 0.00	27.82 1.67 0.00	27.02 1.63 0.00	28.30 1.68 0.00	29.65 1.78 0.00	40.41 2.82 0.00	46.43 3.64 0.00	40.72 3.02 0.00	34.73 2.51 0.00	31.83 2.17 0.00	30.92 2.16 0.00	30.29 2.09 0.00	30.86 2.07 0.00	32.21 2.22 0.00	33.85 2.33 0.00	39.22 2.94 -0.01	47.83 3.91 -0.01	42.56 3.08 0.00	40.32 3.02 0.00	35.06 2.35 0.00	33.01 2.33 0.00	30.47 2.07 0.00	29.92 1.98 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	26.17 -2.49 0.00	24.55 -2.16 0.00	23.97 -2.17 0.00	23.19 -2.21 0.00	24.28 -2.34 0.00	25.67 -2.20 0.00	33.12 -4.47 0.00	36.85 -5.95 0.00	32.58 -5.13 0.00	28.80 -3.41 0.00	26.64 -3.03 0.00	25.86 -2.91 0.00	25.41 -2.79 0.00	25.88 -2.91 0.00	26.72 -3.27 0.00	28.05 -3.47 0.00	31.85 -4.43 0.00	38.42 -5.49 0.00	34.27 -5.21 0.00	32.49 -4.81 0.00	29.33 -3.37 0.00	27.43 -3.25 0.00	25.50 -2.90 0.00	25.53 -2.40 0.00
PACKARD__115KV_DUPONT_184 80571	26.17 -2.49 0.00	24.55 -2.16 0.00	23.97 -2.17 0.00	23.19 -2.21 0.00	24.28 -2.34 0.00	25.67 -2.20 0.00	33.12 -4.47 0.00	36.85 -5.95 0.00	32.58 -5.13 0.00	28.80 -3.41 0.00	26.64 -3.03 0.00	25.86 -2.91 0.00	25.41 -2.79 0.00	25.88 -2.91 0.00	26.72 -3.27 0.00	28.05 -3.47 0.00	31.85 -4.43 0.00	38.42 -5.49 0.00	34.27 -5.21 0.00	32.49 -4.81 0.00	29.33 -3.37 0.00	27.43 -3.25 0.00	25.50 -2.90 0.00	25.53 -2.40 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	30.73 2.06 0.00	28.53 1.82 0.00	27.87 1.73 0.00	27.07 1.68 0.00	28.36 1.73 0.00	29.57 1.70 0.00	40.11 2.52 0.00	45.88 3.08 0.00	40.27 2.56 0.00	34.37 2.16 0.00	31.53 1.87 0.00	30.60 1.84 0.00	30.00 1.80 0.00	30.57 1.78 0.00	31.88 1.89 0.00	33.54 2.02 0.00	38.83 2.54 -0.02	47.35 3.42 -0.02	42.13 2.65 0.00	39.88 2.57 0.00	34.70 1.99 0.00	32.84 2.15 -0.01	30.44 2.04 0.00	29.98 2.04 -0.01
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	31.10 2.44 0.00	28.88 2.16 0.00	28.24 2.09 0.00	27.43 2.03 0.00	28.70 2.08 0.00	29.96 2.09 0.00	40.57 2.97 0.00	46.43 3.64 0.00	40.76 3.05 0.00	34.79 2.58 0.00	31.89 2.22 0.00	30.95 2.19 0.00	30.34 2.14 0.00	30.92 2.13 0.00	32.24 2.25 0.00	33.91 2.40 0.00	39.30 3.01 -0.02	47.92 4.00 -0.02	42.64 3.16 0.00	40.36 3.06 0.00	35.09 2.39 0.00	33.23 2.55 -0.01	30.79 2.39 0.00	30.32 2.37 -0.01
PATROON__115KV_TB1 80586	29.44 0.77 0.00	27.39 0.67 0.00	26.80 0.65 0.00	26.11 0.71 0.00	27.26 0.64 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.12 1.33 0.00	38.84 1.13 0.00	32.99 0.77 0.00	30.37 0.71 0.00	29.48 0.72 0.00	28.90 0.70 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.31 0.79 0.00	37.22 0.94 0.00	45.31 1.40 0.00	40.59 1.11 0.00	38.35 1.04 0.00	33.52 0.82 0.00	31.48 0.80 0.00	29.19 0.80 0.00	28.64 0.70 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	27.60 -1.06 0.00	25.92 -0.80 0.00	25.28 -0.86 0.00	24.48 -0.91 0.00	25.69 -0.93 0.00	27.20 -0.67 0.00	35.57 -2.03 0.00	39.67 -3.12 0.00	35.03 -2.68 0.00	30.77 -1.45 0.00	28.45 -1.22 0.00	27.58 -1.18 0.00	27.13 -1.07 0.00	27.61 -1.18 0.00	28.52 -1.47 0.00	29.88 -1.64 0.00	34.13 -2.14 0.00	41.40 -2.50 0.00	36.88 -2.61 0.00	34.88 -2.42 0.00	31.36 -1.34 0.00	29.27 -1.41 0.00	27.15 -1.25 0.00	27.16 -0.78 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	30.50 1.83 0.00	28.35 1.63 0.00	27.66 1.52 0.00	26.92 1.52 0.00	28.12 1.49 0.00	29.48 1.62 0.00	40.11 2.52 0.00	45.88 3.08 0.00	40.42 2.71 0.00	34.31 2.09 0.00	31.44 1.78 0.00	30.46 1.70 0.00	29.84 1.64 0.00	30.40 1.61 0.00	31.76 1.77 0.00	33.50 1.99 0.00	38.67 2.39 0.00	47.29 3.38 0.00	42.25 2.76 0.00	39.80 2.50 0.00	34.80 2.09 0.00	32.52 1.84 0.00	30.10 1.70 0.00	29.61 1.68 0.00
PEEKSKILL____ 23653	30.24 1.58 0.00	28.13 1.42 0.00	27.43 1.28 0.00	26.67 1.27 0.00	27.93 1.30 0.00	29.20 1.34 0.00	39.66 2.07 0.00	45.49 2.70 0.00	39.89 2.19 0.00	33.99 1.77 0.00	31.17 1.51 0.00	30.26 1.49 0.00	29.61 1.41 0.00	30.25 1.47 0.00	31.52 1.53 0.00	33.16 1.64 0.00	38.38 2.10 0.00	46.76 2.85 0.00	41.77 2.29 0.00	39.50 2.20 0.00	34.43 1.73 0.00	32.30 1.62 0.00	29.82 1.42 0.00	29.39 1.45 0.00
PGE MADISON__WINDPWR 24146	30.78 2.12 0.00	28.67 1.95 0.00	27.97 1.83 0.00	27.15 1.75 0.00	28.62 2.00 0.00	30.23 2.37 0.00	41.32 3.72 0.00	47.12 4.32 0.00	41.25 3.54 0.00	34.99 2.77 0.00	32.12 2.46 0.00	31.12 2.36 0.00	30.46 2.26 0.00	31.32 2.53 0.00	32.66 2.67 0.00	34.45 2.93 0.00	39.72 3.45 0.00	48.56 4.65 0.00	43.67 4.18 0.00	40.96 3.66 0.00	35.91 3.21 0.00	33.53 2.85 0.00	30.87 2.47 0.00	30.20 2.26 0.00
PIERCEFIELD__HYD 23852	27.63 -1.03 0.00	25.78 -0.94 0.00	25.33 -0.81 0.00	24.61 -0.79 0.00	25.85 -0.77 0.00	27.06 -0.81 0.00	36.84 -0.75 0.00	41.73 -1.07 0.00	36.99 -0.72 0.00	31.76 -0.45 0.00	29.28 -0.39 0.00	28.33 -0.43 0.00	27.80 -0.39 0.00	28.38 -0.40 0.00	29.54 -0.45 0.00	31.14 -0.38 0.00	35.69 -0.58 0.00	42.72 -1.19 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.21 -0.49 0.00	30.19 -0.49 0.00	27.89 -0.51 0.00	27.38 -0.56 0.00
PINELAWN_CC_1 323563	33.06 2.47 -1.93	28.96 2.24 0.00	28.88 2.12 -0.62	28.58 2.08 -1.10	29.75 2.16 -0.96	33.94 2.26 -3.82	40.98 3.38 0.00	50.06 4.15 -3.12	43.03 3.47 -1.86	35.02 2.80 0.00	32.01 2.34 0.00	30.98 2.21 0.00	30.23 2.03 0.00	30.97 2.19 0.00	32.48 2.49 0.00	35.28 2.74 -1.03	40.40 3.01 -1.12	52.77 4.04 -4.83	48.07 3.28 -5.31	46.68 3.13 -6.25	43.98 2.52 -8.76	39.79 2.42 -6.69	30.82 2.33 -0.09	30.31 2.37 0.00
PJM_GEN_HTP_PROXY 323702	30.50 1.84 0.00	28.37 1.66 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.14 1.52 0.00	29.43 1.56 0.00	40.08 2.48 0.00	46.43 3.25 -0.38	39.85 2.53 0.38	34.37 2.16 0.00	31.53 1.87 0.00	30.61 1.84 0.00	29.95 1.75 0.00	30.60 1.81 0.00	31.88 1.89 0.00	33.51 1.99 0.00	38.82 2.54 -0.01	47.34 3.43 -0.01	42.13 2.65 0.00	38.81 2.65 1.14	35.87 2.03 -1.14	32.67 1.99 0.00	30.13 1.73 0.00	29.67 1.73 0.00



PJM_GEN_KEystone	28.52	26.64	26.01	25.27	26.49	27.84	37.18	42.41	36.72	31.76	29.28	28.42	27.92	28.41	29.51	30.98	35.66	43.29	38.69	35.45	33.45	30.28	28.06	27.77
24065	-0.14	-0.08	-0.13	-0.13	-0.13	-0.03	-0.41	-0.77	-0.60	-0.45	-0.39	-0.34	-0.28	-0.38	-0.48	-0.54	-0.62	-0.61	-0.79	-0.71	-0.39	-0.40	-0.34	-0.17
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.14	-1.14	0.00	0.00	0.00
PJM_GEN_NEPTUNE_PROXY	32.68	28.61	28.55	28.23	29.37	33.55	40.38	49.80	42.04	34.57	31.65	30.66	29.95	30.66	32.06	34.81	40.18	52.46	47.83	45.35	44.93	39.60	30.41	29.89
323594	2.09	1.90	1.78	1.73	1.78	1.87	2.78	3.51	2.86	2.35	1.99	1.90	1.75	1.87	2.07	2.27	2.79	3.73	3.04	2.95	2.32	2.24	1.93	1.95
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.50	-1.47	0.00	0.00	0.00	0.00	0.00	0.00	-1.02	-1.11	-4.82	-5.31	-5.10	-9.90	-6.69	-0.08	0.00
PJM_GEN_VFT_PROXY	19.40	28.29	27.58	26.82	28.09	29.34	40.00	46.35	39.77	34.31	31.47	30.58	29.92	30.57	31.82	33.44	38.75	47.17	42.01	38.73	35.77	32.61	30.10	23.11
323633	1.81	1.58	1.44	1.42	1.46	1.48	2.41	3.17	2.45	2.09	1.81	1.81	1.72	1.79	1.83	1.92	2.47	3.25	2.53	2.57	1.93	1.93	1.70	1.70
	11.07	0.00	0.00	0.00	0.00	0.00	0.00	-0.38	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	1.14	-1.14	0.00	0.00	6.53
PLATSBURG_115KV_PMLD1	28.09	26.32	26.04	25.35	26.76	27.76	37.67	42.28	37.41	32.76	30.29	29.37	28.85	29.36	30.65	32.37	37.07	43.99	39.76	38.01	33.39	31.32	28.97	28.89
355749	-0.57	-0.40	-0.10	-0.05	0.13	-0.11	0.08	-0.51	-0.30	0.55	0.62	0.60	0.65	0.58	0.66	0.85	0.80	0.09	0.28	0.71	0.69	0.64	0.57	0.95
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLEASANTVLY___LBMP	30.10	28.00	27.37	26.59	27.82	29.18	39.59	45.32	39.82	33.86	31.12	30.17	29.58	30.14	31.46	33.06	38.20	46.54	41.54	39.28	34.27	32.21	29.79	29.31
24000	1.43	1.28	1.23	1.19	1.20	1.31	1.99	2.52	2.11	1.64	1.45	1.41	1.38	1.35	1.47	1.54	1.92	2.63	2.05	1.98	1.57	1.53	1.39	1.37
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLSNTVLE_13_KV_13.8KVDIST	30.27	28.16	27.50	26.72	27.98	29.32	39.89	45.71	40.16	34.18	31.35	30.43	29.84	30.40	31.73	33.35	38.56	47.02	41.93	39.69	34.57	32.46	30.02	29.53
80602	1.61	1.44	1.36	1.32	1.36	1.45	2.29	2.91	2.45	1.97	1.69	1.67	1.64	1.61	1.74	1.83	2.29	3.12	2.45	2.39	1.86	1.78	1.62	1.59
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I	30.27	28.16	27.50	26.72	27.98	29.32	39.89	45.71	40.16	34.18	31.35	30.43	29.84	30.40	31.73	33.35	38.56	47.02	41.93	39.69	34.57	32.46	30.02	29.53
345020	1.61	1.44	1.36	1.32	1.36	1.45	2.29	2.91	2.45	1.97	1.69	1.67	1.64	1.61	1.74	1.83	2.29	3.12	2.45	2.39	1.86	1.78	1.62	1.59
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G	30.27	28.16	27.50	26.74	27.98	29.34	39.85	45.54	40.01	33.99	31.18	30.20	29.61	30.20	31.52	33.16	38.31	46.76	41.81	39.43	34.44	32.28	29.90	29.42
345023	1.61	1.44	1.36	1.35	1.36	1.48	2.26	2.74	2.30	1.77	1.51	1.44	1.41	1.41	1.53	1.64	2.03	2.85	2.33	2.13	1.73	1.60	1.51	1.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
POLETTI_____	30.44	28.29	27.63	26.85	28.09	29.37	40.00	45.24	40.25	34.33	31.50	30.60	29.98	30.54	31.86	33.49	38.78	47.24	42.03	39.86	34.65	32.64	30.22	29.70
23519	1.78	1.58	1.49	1.45	1.46	1.50	2.41	3.17	2.56	2.13	1.84	1.84	1.78	1.76	1.89	1.99	2.50	3.34	2.57	2.57	1.96	1.96	1.82	1.76
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.02	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00	0.02	0.02	0.02	0.00	0.00	0.00
POMONA___ESR	30.32	28.21	27.50	26.74	28.01	29.29	39.81	45.62	40.01	34.08	31.26	30.32	29.69	30.34	31.61	33.25	38.49	46.93	41.89	39.62	34.50	32.40	29.90	29.47
323819	1.66	1.50	1.36	1.35	1.38	1.42	2.22	2.82	2.30	1.87	1.60	1.55	1.49	1.55	1.62	1.73	2.21	3.03	2.41	2.31	1.80	1.72	1.50	1.54
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PORT_JEFF_3	33.26	29.12	29.22	28.89	30.07	34.34	41.62	50.75	43.64	35.44	32.36	31.27	30.48	31.23	32.84	35.76	41.05	53.69	48.83	47.46	44.90	40.59	31.24	30.70
23555	2.67	2.41	2.46	2.39	2.48	2.65	4.02	4.83	4.07	3.22	2.70	2.50	2.28	2.45	2.85	3.22	3.66	4.96	4.03	3.92	3.43	3.22	2.75	2.77
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.11	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.03	-1.12	-4.83	-5.31	-6.25	-8.76	-6.69	-0.09	0.00
PORT_JEFF_4	33.26	29.12	29.22	28.89	30.07	34.34	41.62	50.75	43.64	35.44	32.36	31.27	30.48	31.23	32.84	35.76	41.05	53.69	48.83	47.46	44.90	40.59	31.24	30.70
23616	2.67	2.41	2.46	2.39	2.48	2.65	4.02	4.83	4.07	3.22	2.70	2.50	2.28	2.45	2.85	3.22	3.66	4.96	4.03	3.92	3.43	3.22	2.75	2.77
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.11	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.03	-1.12	-4.83	-5.31	-6.25	-8.76	-6.69	-0.09	0.00
PORT_JEFF_IC	33.29	29.15	29.25	28.92	30.12	34.39	41.70	50.83	43.71	35.50	32.42	31.32	30.54	31.29	32.90	35.82	41.13	53.69	48.83	47.47	45.00	40.65	31.30	30.76
23713	2.69	2.43	2.49	2.41	2.53	2.70	4.10	4.92	4.15	3.29	2.76	2.56	2.34	2.50	2.91	3.28	3.74	4.96	4.03	3.92	3.53	3.28	2.81	2.82
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.12	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.03	-1.12	-4.83	-5.32	-6.25	-8.76	-6.69	-0.09	0.00
PPL PILGRIM_ST_GT1	33.26	29.15	29.12	28.81	29.96	34.20	41.36	50.49	43.41	35.28	32.21	31.15	30.40	31.15	32.69	35.57	40.98	53.61	48.75	47.36	44.63	40.38	31.07	30.54
24216	2.67	2.43	2.35	2.31	2.37	2.51	3.76	4.58	3.85	3.06	2.55	2.39	2.20	2.36	2.70	3.03	3.59	4.87	3.95	3.81	3.17	3.01	2.58	2.60
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.12	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.03	-1.12	-4.83	-5.31	-6.25	-8.76	-6.69	-0.09	0.00
PPL PILGRIM_ST_GT2	33.26	29.15	29.12	28.81	29.96	34.20	41.36	50.49	43.41	35.28	32.21	31.15	30.40	31.15	32.69	35.57	40.98	53.61	48.75	47.36	44.63	40.38	31.07	30.54
24217	2.67	2.43	2.35	2.31	2.37	2.51	3.76	4.58	3.85	3.06	2.55	2.39	2.20	2.36	2.70	3.03	3.59	4.87	3.95	3.81	3.17	3.01	2.58	2.60
	-1.93	0.00	-0.62	-1.10	-0.96	-3.82	0.00	-3.12	-1.86	0.00	0.00	0.00	0.00	0.00	0.00	-1.03	-1.12	-4.83	-5.31	-6.25	-8.76	-6.69	-0.09	0.00



PPL_SHRM_GT3 24213	33.23 2.64 -1.93	29.09 2.38 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.25 2.66 -0.96	34.56 2.87 -3.82	41.96 4.36 0.00	51.13 5.22 -3.12	43.97 4.41 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.87 5.13 -4.83	48.94 4.14 -5.31	47.69 4.14 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.93 2.99 0.00
PPL_SHRM_GT4 24214	33.23 2.64 -1.93	29.09 2.38 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.25 2.66 -0.96	34.56 2.87 -3.82	41.96 4.36 0.00	51.13 5.22 -3.12	43.97 4.41 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.87 5.13 -4.83	48.94 4.14 -5.31	47.69 4.14 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.93 2.99 0.00
PROJECT___ORANGE 1 24174	28.29 -0.37 0.00	26.37 -0.35 0.00	25.80 -0.34 0.00	25.04 -0.36 0.00	26.25 -0.37 0.00	27.42 -0.45 0.00	36.77 -0.83 0.00	41.90 -0.90 0.00	36.91 -0.79 0.00	31.60 -0.61 0.00	29.13 -0.53 0.00	28.28 -0.49 0.00	27.69 -0.51 0.00	28.30 -0.49 0.00	29.42 -0.57 0.00	30.92 -0.60 0.00	35.51 -0.76 0.00	43.11 -0.79 0.00	38.65 -0.83 0.00	36.48 -0.82 0.00	32.08 -0.62 0.00	30.10 -0.58 0.00	27.89 -0.51 0.00	27.43 -0.50 0.00
PROJECT___ORANGE 2 24166	28.29 -0.37 0.00	26.37 -0.35 0.00	25.80 -0.34 0.00	25.04 -0.36 0.00	26.25 -0.37 0.00	27.42 -0.45 0.00	36.77 -0.83 0.00	41.90 -0.90 0.00	36.91 -0.79 0.00	31.60 -0.61 0.00	29.13 -0.53 0.00	28.28 -0.49 0.00	27.69 -0.51 0.00	28.30 -0.49 0.00	29.42 -0.57 0.00	30.92 -0.60 0.00	35.51 -0.76 0.00	43.11 -0.79 0.00	38.65 -0.83 0.00	36.48 -0.82 0.00	32.08 -0.62 0.00	30.10 -0.58 0.00	27.89 -0.51 0.00	27.43 -0.50 0.00
PUCKETT___SOLAR 323809	29.27 0.60 0.00	27.30 0.59 0.00	26.67 0.52 0.00	25.91 0.51 0.00	27.21 0.59 0.00	28.59 0.72 0.00	38.57 0.98 0.00	43.78 0.99 0.00	38.54 0.83 0.00	32.83 0.61 0.00	30.20 0.53 0.00	29.22 0.46 0.00	28.68 0.48 0.00	29.30 0.52 0.00	30.56 0.57 0.00	32.21 0.69 0.00	37.11 0.83 0.00	45.18 1.27 0.00	40.51 1.02 0.00	38.20 0.89 0.00	33.59 0.88 0.00	31.41 0.74 0.00	29.05 0.65 0.00	28.58 0.64 0.00
PYRITES___HYD 24023	28.32 -0.34 0.00	26.42 -0.29 0.00	25.94 -0.21 0.00	25.17 -0.23 0.00	26.44 -0.19 0.00	27.73 -0.14 0.00	37.86 0.26 0.00	42.97 0.17 0.00	38.08 0.38 0.00	32.67 0.45 0.00	30.08 0.42 0.00	29.11 0.35 0.00	28.54 0.34 0.00	29.16 0.37 0.00	30.35 0.36 0.00	31.93 0.41 0.00	36.60 0.33 0.00	43.77 -0.13 0.00	39.96 0.47 0.00	37.68 0.37 0.00	33.03 0.33 0.00	30.93 0.25 0.00	28.51 0.11 0.00	27.94 0.00 0.00
QUAKERRD_115KV_BK1 80622	27.06 -1.61 0.00	25.27 -1.44 0.00	24.71 -1.44 0.00	23.93 -1.47 0.00	25.11 -1.52 0.00	26.39 -1.48 0.00	35.04 -2.56 0.00	39.67 -3.12 0.00	35.03 -2.68 0.00	30.35 -1.87 0.00	28.00 -1.66 0.00	27.15 -1.61 0.00	26.62 -1.58 0.00	27.20 -1.58 0.00	28.22 -1.77 0.00	29.66 -1.86 0.00	33.95 -2.32 0.00	41.14 -2.77 0.00	36.84 -2.65 0.00	34.77 -2.54 0.00	30.87 -1.83 0.00	28.81 -1.87 0.00	26.67 -1.73 0.00	26.32 -1.62 0.00
QUENSBRY_115KV_TB8 356137	30.67 2.01 0.00	28.53 1.82 0.00	27.95 1.80 0.00	27.18 1.78 0.00	28.54 1.92 0.00	30.10 2.23 0.00	40.75 3.16 0.00	46.31 3.51 0.00	40.69 2.98 0.00	34.34 2.13 0.00	31.41 1.75 0.00	30.49 1.73 0.00	29.84 1.64 0.00	30.57 1.78 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.70 2.43 0.00	47.20 3.29 0.00	42.41 2.92 0.00	39.99 2.69 0.00	34.93 2.22 0.00	32.77 2.09 0.00	30.22 1.82 0.00	29.89 1.96 0.00
RAMAPO___LBMP 323565	29.90 1.23 0.00	27.81 1.10 0.00	27.16 1.02 0.00	26.39 0.99 0.00	27.64 1.01 0.00	28.98 1.11 0.00	39.40 1.80 0.00	45.06 2.27 0.00	39.59 1.89 0.00	33.63 1.42 0.00	30.91 1.25 0.00	29.97 1.21 0.00	29.38 1.18 0.00	29.94 1.15 0.00	31.22 1.23 0.00	32.81 1.29 0.00	37.98 1.70 0.00	46.28 2.37 0.00	41.30 1.82 0.00	39.06 1.75 0.00	34.11 1.41 0.00	32.03 1.35 0.00	29.59 1.19 0.00	29.11 1.17 0.00
RANKINE____ 23646	27.26 -1.40 0.00	25.60 -1.12 0.00	24.97 -1.18 0.00	24.18 -1.22 0.00	25.37 -1.25 0.00	26.84 -1.03 0.00	34.96 -2.63 0.00	39.03 -3.77 0.00	34.50 -3.21 0.00	30.38 -1.84 0.00	28.06 -1.60 0.00	27.24 -1.52 0.00	26.76 -1.44 0.00	27.26 -1.53 0.00	28.16 -1.83 0.00	29.50 -2.02 0.00	33.66 -2.61 0.00	40.79 -3.12 0.00	36.33 -3.16 0.00	34.39 -2.91 0.00	30.94 -1.77 0.00	28.90 -1.78 0.00	26.81 -1.59 0.00	26.79 -1.15 0.00
RAVENSWOOD_GT2_1 24244	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.95 2.65 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT2_2 24245	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.95 2.65 0.00	34.80 2.09 0.00	32.74 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT2_3 24246	30.47 1.81 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.42 2.71 0.00	34.47 2.26 0.00	31.62 1.96 0.00	30.69 1.93 0.00	30.09 1.89 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.94 2.65 -0.02	47.43 3.51 -0.02	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.25 1.85 0.00	29.73 1.79 0.00
RAVENSWOOD_GT2_4 24247	30.47 1.81 0.00	28.32 1.60 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.42 2.71 0.00	34.47 2.26 0.00	31.62 1.96 0.00	30.69 1.93 0.00	30.09 1.89 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.94 2.65 -0.02	47.43 3.51 -0.02	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.25 1.85 0.00	29.73 1.79 0.00
RAVENSWOOD_GT3_1 24248	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.25 1.85 0.00	29.70 1.76 0.00



RAVENSWOOD_GT3_2 24249	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.21 2.72 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT3_3 24250	30.50 1.83 0.00	28.32 1.60 0.00	27.69 1.54 0.00	26.90 1.50 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.02	47.48 3.56 -0.02	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.73 1.79 0.00
RAVENSWOOD_GT3_4 24251	30.50 1.83 0.00	28.32 1.60 0.00	27.69 1.54 0.00	26.90 1.50 0.00	28.14 1.52 0.00	29.48 1.62 0.00	40.15 2.56 0.00	46.13 3.34 0.00	40.46 2.75 0.00	34.50 2.29 0.00	31.65 1.99 0.00	30.72 1.96 0.00	30.12 1.92 0.00	30.66 1.87 0.00	32.00 2.01 0.00	33.63 2.11 0.00	38.97 2.68 -0.02	47.48 3.56 -0.02	42.25 2.76 0.00	40.03 2.72 0.00	34.83 2.13 0.00	32.80 2.12 0.00	30.27 1.87 0.00	29.73 1.79 0.00
RAVENSWOOD_GT_1 23729	30.61 1.95 0.00	28.43 1.71 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.22 1.60 0.00	29.54 1.67 0.00	40.23 2.63 0.00	46.18 3.38 0.00	40.53 2.83 0.00	34.57 2.35 0.00	31.71 2.05 0.00	30.81 2.04 0.00	30.17 1.97 0.00	30.74 1.96 0.00	32.09 2.10 0.00	33.72 2.21 0.00	39.05 2.76 -0.02	50.06 3.69 -2.46	55.98 2.88 -13.62	40.11 2.80 -0.01	39.41 2.19 -4.52	33.30 2.27 -0.35	30.42 2.02 0.00	29.87 1.93 -0.01
RAVENSWOOD_GT_10 24258	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.73 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT_11 24259	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.73 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT_4 24252	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.02	49.25 3.47 -1.88	52.54 2.68 -10.37	39.96 2.65 -0.01	38.20 2.06 -3.44	32.96 2.02 -0.25	30.22 1.82 0.00	29.66 1.73 0.01
RAVENSWOOD_GT_5 24254	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.02	49.25 3.47 -1.88	52.54 2.68 -10.37	39.96 2.65 -0.01	38.20 2.06 -3.44	32.96 2.02 -0.25	30.22 1.82 0.00	29.66 1.73 0.01
RAVENSWOOD_GT_6 24253	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.02	49.25 3.47 -1.88	52.54 2.68 -10.37	39.96 2.65 -0.01	38.20 2.06 -3.44	32.96 2.02 -0.25	30.22 1.82 0.00	29.66 1.73 0.01
RAVENSWOOD_GT_7 24255	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.02	49.25 3.47 -1.88	52.54 2.68 -10.37	39.96 2.65 -0.01	38.20 2.06 -3.44	32.96 2.02 -0.25	30.22 1.82 0.00	29.66 1.73 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.73 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD_GT_9 24257	30.47 1.81 0.00	28.29 1.58 0.00	27.66 1.52 0.00	26.87 1.47 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.17 2.68 0.00	39.99 2.69 0.00	34.80 2.09 0.00	32.73 2.06 0.00	30.25 1.85 0.00	29.70 1.76 0.00
RAVENSWOOD___1 23533	30.67 2.01 0.00	28.51 1.79 0.00	27.79 1.65 0.00	27.00 1.60 0.00	28.28 1.65 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.14 3.34 0.00	40.42 2.72 0.00	34.54 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.09 1.89 0.00	30.74 1.96 0.00	32.03 2.04 0.00	33.69 2.17 0.00	39.01 2.72 -0.02	47.56 3.64 -0.02	42.36 2.88 0.00	40.14 2.83 0.00	34.89 2.19 0.00	32.93 2.24 -0.01	30.36 1.96 0.00	29.87 1.93 -0.01
RAVENSWOOD___2 23534	30.67 2.01 0.00	28.51 1.79 0.00	27.79 1.65 0.00	27.00 1.60 0.00	28.28 1.65 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.14 3.34 0.00	40.42 2.72 0.00	34.54 2.32 0.00	31.65 1.99 0.00	30.75 1.98 0.00	30.09 1.89 0.00	30.74 1.96 0.00	32.00 2.01 0.00	33.66 2.14 0.00	39.01 2.72 -0.02	47.56 3.64 -0.02	42.36 2.88 0.00	40.10 2.80 0.00	34.86 2.16 0.00	32.93 2.24 -0.01	30.33 1.93 0.00	29.85 1.90 -0.01
RAVENSWOOD___3 23535	30.55 1.89 0.00	28.40 1.68 0.00	27.69 1.54 0.00	26.92 1.52 0.00	28.20 1.57 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.05 3.25 0.00	40.31 2.60 0.00	34.44 2.22 0.00	31.56 1.90 0.00	30.66 1.90 0.00	30.01 1.81 0.00	30.66 1.87 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.02	47.39 3.47 -0.02	42.21 2.72 0.00	40.02 2.72 0.00	34.80 2.09 0.00	32.77 2.09 0.00	30.22 1.82 0.00	29.70 1.76 0.00



RAVENSWOOD___4 23820	30.64 1.98 0.00	28.51 1.79 0.00	27.77 1.62 0.00	27.00 1.60 0.00	28.28 1.65 0.00	29.51 1.64 0.00	40.19 2.59 0.00	46.14 3.34 0.00	40.38 2.68 0.00	34.54 2.32 0.00	31.62 1.96 0.00	30.75 1.98 0.00	30.06 1.86 0.00	30.74 1.96 0.00	32.00 2.01 0.00	33.66 2.14 0.00	38.97 2.68 -0.02	45.15 3.64 2.39	28.92 2.84 13.41	40.09 2.80 0.01	30.41 2.16 4.45	32.56 2.21 0.33	30.33 1.93 0.00	29.84 1.90 -0.01
RCPI_TRUST___DRP 24196	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.62 1.96 0.00	30.69 1.93 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.97 1.98 0.00	33.60 2.08 0.00	38.90 2.61 -0.01	47.38 3.47 -0.01	42.17 2.68 0.00	39.95 2.65 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.22 1.82 0.00	29.70 1.76 0.00
RED___ROCHESTER 323720	27.69 -0.97 0.00	25.86 -0.86 0.00	25.28 -0.86 0.00	24.49 -0.91 0.00	25.72 -0.91 0.00	27.12 -0.75 0.00	35.94 -1.65 0.00	40.53 -2.27 0.00	36.05 -1.66 0.00	31.06 -1.16 0.00	28.68 -0.98 0.00	27.82 -0.95 0.00	27.44 -0.76 0.00	27.89 -0.89 0.00	28.94 -1.05 0.00	30.41 -1.10 0.00	34.75 -1.52 0.00	42.02 -1.89 0.00	37.75 -1.74 0.00	35.55 -1.75 0.00	31.65 -1.05 0.00	29.48 -1.20 0.00	27.40 -0.99 0.00	26.96 -0.98 0.00
REGAN___SOLAR 323812	32.01 3.35 0.00	29.87 3.15 0.00	29.15 3.01 0.00	28.27 2.87 0.00	29.82 3.19 0.00	31.57 3.71 0.00	42.75 5.15 0.00	48.44 5.65 0.00	42.23 4.52 0.00	35.63 3.41 0.00	32.60 2.94 0.00	31.64 2.88 0.00	31.08 2.88 0.00	31.84 3.05 0.00	33.26 3.27 0.00	35.24 3.72 0.00	40.59 4.31 0.00	49.75 5.84 0.00	44.70 5.21 0.00	42.00 4.70 0.00	36.62 3.92 0.00	34.36 3.68 0.00	31.58 3.18 0.00	31.07 3.13 0.00
RENSSELAER___COGEN 23796	29.35 0.69 0.00	27.36 0.64 0.00	26.77 0.63 0.00	26.06 0.66 0.00	27.24 0.61 0.00	28.51 0.64 0.00	38.46 0.87 0.00	43.87 1.07 0.00	38.57 0.87 0.00	32.80 0.58 0.00	30.26 0.59 0.00	29.34 0.58 0.00	28.76 0.56 0.00	29.33 0.55 0.00	30.62 0.63 0.00	32.12 0.60 0.00	37.04 0.76 0.00	45.04 1.14 0.00	40.39 0.91 0.00	38.16 0.86 0.00	33.32 0.62 0.00	31.32 0.65 0.00	29.05 0.65 0.00	28.52 0.59 0.00
REPUBLIC_115KV_BARTNBRK 55605	31.70 3.04 0.00	29.52 2.81 0.00	28.86 2.72 0.00	28.07 2.67 0.00	29.53 2.90 0.00	31.24 3.37 0.00	42.41 4.81 0.00	48.19 5.39 0.00	42.27 4.56 0.00	35.63 3.41 0.00	32.51 2.85 0.00	31.53 2.76 0.00	30.79 2.59 0.00	31.66 2.88 0.00	33.11 3.12 0.00	34.83 3.31 0.00	40.19 3.92 0.00	49.09 5.18 0.00	44.18 4.70 0.00	41.55 4.25 0.00	36.27 3.56 0.00	33.93 3.25 0.00	31.27 2.87 0.00	30.90 2.96 0.00
REVERE_CPPR_DRP 24186	29.49 0.83 0.00	27.47 0.75 0.00	26.82 0.68 0.00	26.03 0.63 0.00	27.34 0.72 0.00	28.76 0.89 0.00	39.10 1.50 0.00	44.55 1.75 0.00	39.21 1.51 0.00	33.44 1.22 0.00	30.76 1.10 0.00	29.80 1.04 0.00	29.19 0.99 0.00	29.82 1.04 0.00	31.07 1.08 0.00	32.75 1.23 0.00	37.65 1.38 0.00	45.75 1.84 0.00	41.02 1.54 0.00	38.65 1.34 0.00	33.85 1.14 0.00	31.69 1.01 0.00	29.22 0.82 0.00	28.64 0.70 0.00
REYNOLDS_115KV_TB3 80639	29.58 0.92 0.00	27.52 0.80 0.00	26.93 0.78 0.00	26.21 0.81 0.00	27.40 0.77 0.00	28.76 0.89 0.00	38.80 1.20 0.00	44.25 1.46 0.00	38.95 1.24 0.00	33.09 0.87 0.00	30.49 0.83 0.00	29.57 0.81 0.00	28.99 0.79 0.00	29.62 0.83 0.00	30.86 0.87 0.00	32.40 0.88 0.00	37.33 1.05 0.00	45.44 1.54 0.00	40.71 1.22 0.00	38.46 1.16 0.00	33.62 0.92 0.00	31.60 0.92 0.00	29.31 0.91 0.00	28.78 0.84 0.00
RIVERBAY____ 323610	31.10 2.44 0.00	28.88 2.16 0.00	28.24 2.09 0.00	27.43 2.03 0.00	28.70 2.08 0.00	29.96 2.09 0.00	40.57 2.97 0.00	46.43 3.64 0.00	40.76 3.05 0.00	34.79 2.58 0.00	31.89 2.22 0.00	30.95 2.19 0.00	30.34 2.14 0.00	30.92 2.13 0.00	32.24 2.25 0.00	33.91 2.40 0.00	39.30 3.01 -0.02	47.92 4.00 -0.02	42.64 3.16 0.00	40.36 3.06 0.00	35.09 2.39 0.00	33.23 2.55 -0.01	30.79 2.39 0.00	30.32 2.37 -0.01
RIVERSDE_115KV_TB3 55908	29.47 0.80 0.00	27.41 0.69 0.00	26.82 0.68 0.00	26.11 0.71 0.00	27.29 0.67 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.12 1.33 0.00	38.84 1.13 0.00	32.96 0.74 0.00	30.37 0.71 0.00	29.45 0.69 0.00	28.90 0.70 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.27 0.76 0.00	37.22 0.94 0.00	45.27 1.36 0.00	40.55 1.07 0.00	38.35 1.04 0.00	33.49 0.78 0.00	31.48 0.80 0.00	29.19 0.80 0.00	28.66 0.73 0.00
ROARING___BROOK_WT_PWR 323790	28.15 -0.52 0.00	26.29 -0.43 0.00	25.80 -0.34 0.00	25.12 -0.28 0.00	26.36 -0.27 0.00	27.59 -0.28 0.00	37.29 -0.30 0.00	42.41 -0.39 0.00	37.40 -0.30 0.00	32.02 -0.19 0.00	29.52 -0.15 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.59 -0.20 0.00	29.78 -0.21 0.00	31.33 -0.19 0.00	36.06 -0.22 0.00	43.51 -0.40 0.00	39.21 -0.27 0.00	36.97 -0.34 0.00	32.41 -0.29 0.00	30.43 -0.25 0.00	28.14 -0.26 0.00	27.71 -0.22 0.00
ROCHESRG_115KV_T4 355643	27.43 -1.23 0.00	25.62 -1.10 0.00	25.05 -1.10 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.78 -1.09 0.00	35.38 -2.22 0.00	39.93 -2.87 0.00	35.29 -2.41 0.00	30.67 -1.55 0.00	28.30 -1.36 0.00	27.47 -1.29 0.00	26.93 -1.27 0.00	27.52 -1.27 0.00	28.52 -1.47 0.00	29.97 -1.54 0.00	34.24 -2.03 0.00	41.45 -2.46 0.00	37.11 -2.37 0.00	35.03 -2.28 0.00	31.23 -1.47 0.00	29.15 -1.53 0.00	26.98 -1.42 0.00	26.71 -1.23 0.00
ROCHESTER_9_IC 23652	27.57 -1.09 0.00	25.76 -0.96 0.00	25.18 -0.97 0.00	24.36 -1.04 0.00	25.56 -1.07 0.00	26.92 -0.95 0.00	35.57 -2.03 0.00	40.19 -2.61 0.00	35.52 -2.19 0.00	30.89 -1.32 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.13 -1.07 0.00	27.72 -1.07 0.00	28.70 -1.29 0.00	30.19 -1.32 0.00	34.50 -1.78 0.00	41.75 -2.15 0.00	37.39 -2.09 0.00	35.29 -2.01 0.00	31.46 -1.24 0.00	29.33 -1.35 0.00	27.15 -1.25 0.00	26.85 -1.09 0.00
ROCKVIEW_13_KV_LD 356306	30.35 1.69 0.00	28.21 1.50 0.00	27.58 1.44 0.00	26.80 1.40 0.00	28.04 1.41 0.00	29.40 1.53 0.00	40.00 2.41 0.00	45.92 3.12 0.00	40.31 2.60 0.00	34.34 2.13 0.00	31.50 1.84 0.00	30.58 1.81 0.00	29.98 1.78 0.00	30.54 1.76 0.00	31.88 1.89 0.00	33.54 2.02 0.00	38.78 2.50 0.00	47.29 3.38 0.00	42.17 2.68 0.00	39.88 2.57 0.00	34.76 2.06 0.00	32.61 1.93 0.00	30.13 1.73 0.00	29.64 1.70 0.00
ROME____115KV_TB2 80656	29.49 0.83 0.00	27.47 0.75 0.00	26.82 0.68 0.00	26.03 0.63 0.00	27.34 0.72 0.00	28.76 0.89 0.00	39.10 1.50 0.00	44.55 1.75 0.00	39.21 1.51 0.00	33.44 1.22 0.00	30.76 1.10 0.00	29.80 1.04 0.00	29.19 0.99 0.00	29.82 1.04 0.00	31.07 1.08 0.00	32.75 1.23 0.00	37.65 1.38 0.00	45.75 1.84 0.00	41.02 1.54 0.00	38.65 1.34 0.00	33.85 1.14 0.00	31.69 1.01 0.00	29.22 0.82 0.00	28.64 0.70 0.00



ROSETON___1 23587	30.07 1.40 0.00	28.00 1.28 0.00	27.32 1.18 0.00	26.54 1.14 0.00	27.80 1.17 0.00	29.09 1.22 0.00	39.44 1.84 0.00	45.15 2.35 0.00	39.59 1.88 0.00	33.73 1.51 0.00	30.97 1.30 0.00	30.06 1.30 0.00	29.41 1.21 0.00	30.05 1.27 0.00	31.31 1.32 0.00	32.94 1.42 0.00	38.09 1.81 0.00	46.41 2.50 0.00	41.46 1.97 0.00	39.24 1.94 0.00	34.18 1.47 0.00	32.12 1.44 0.00	29.68 1.28 0.00	29.22 1.29 0.00
ROSETON___2 23588	30.07 1.40 0.00	28.00 1.28 0.00	27.32 1.18 0.00	26.54 1.14 0.00	27.80 1.17 0.00	29.09 1.22 0.00	39.44 1.84 0.00	45.15 2.35 0.00	39.59 1.88 0.00	33.73 1.51 0.00	30.97 1.30 0.00	30.06 1.30 0.00	29.41 1.21 0.00	30.05 1.27 0.00	31.31 1.32 0.00	32.94 1.42 0.00	38.09 1.81 0.00	46.41 2.50 0.00	41.46 1.97 0.00	39.24 1.94 0.00	34.18 1.47 0.00	32.12 1.44 0.00	29.68 1.28 0.00	29.22 1.29 0.00
ROTRDAM_115KV_TB3 80664	29.69 1.03 0.00	27.65 0.94 0.00	27.03 0.89 0.00	26.29 0.89 0.00	27.56 0.93 0.00	28.90 1.03 0.00	39.06 1.47 0.00	44.51 1.71 0.00	39.14 1.43 0.00	33.28 1.06 0.00	30.61 0.95 0.00	29.68 0.92 0.00	29.10 0.90 0.00	29.74 0.95 0.00	31.01 1.02 0.00	32.59 1.07 0.00	37.54 1.27 0.00	45.66 1.76 0.00	40.94 1.46 0.00	38.68 1.38 0.00	33.85 1.14 0.00	31.75 1.07 0.00	29.37 0.97 0.00	28.92 0.98 0.00
RUSSELL___1 23602	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
RUSSELL___2 23532	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
RUSSELL___3 23549	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
RUSSELL___4 23556	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
RUSSELL___STATION 23914	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
S SALMON___HYD 24043	28.00 -0.66 0.00	26.08 -0.64 0.00	25.52 -0.63 0.00	24.76 -0.63 0.00	25.93 -0.69 0.00	27.14 -0.72 0.00	36.69 -0.90 0.00	41.77 -1.03 0.00	36.80 -0.91 0.00	31.48 -0.74 0.00	28.95 -0.71 0.00	28.10 -0.66 0.00	27.55 -0.65 0.00	28.15 -0.63 0.00	29.30 -0.69 0.00	30.82 -0.69 0.00	35.40 -0.87 0.00	43.03 -0.88 0.00	38.61 -0.87 0.00	36.41 -0.90 0.00	31.95 -0.75 0.00	29.98 -0.70 0.00	27.75 -0.65 0.00	27.21 -0.73 0.00
S.PERRY__115KV_TB1 80734	28.29 -0.37 0.00	26.45 -0.27 0.00	25.83 -0.31 0.00	24.99 -0.41 0.00	26.28 -0.35 0.00	27.81 -0.06 0.00	36.92 -0.68 0.00	41.73 -1.07 0.00	36.88 -0.83 0.00	31.96 -0.26 0.00	29.43 -0.24 0.00	28.62 -0.14 0.00	28.09 -0.11 0.00	28.79 0.00 0.00	29.87 -0.12 0.00	31.49 -0.03 0.00	36.09 -0.18 0.00	43.95 0.04 0.00	39.25 -0.24 0.00	36.97 -0.34 0.00	33.00 0.29 0.00	30.65 -0.03 0.00	28.31 -0.09 0.00	27.94 0.00 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	26.91 -1.75 0.00	25.25 -1.47 0.00	24.65 -1.49 0.00	23.85 -1.55 0.00	25.00 -1.62 0.00	26.45 -1.42 0.00	34.32 -3.27 0.00	38.26 -4.54 0.00	33.86 -3.85 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.75 -2.01 0.00	26.31 -1.89 0.00	26.77 -2.01 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.05 -3.23 0.00	39.95 -3.95 0.00	35.65 -3.83 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.38 -2.02 0.00	26.34 -1.59 0.00
SAWYER___23_KV_LOAD 55526	26.91 -1.75 0.00	25.25 -1.47 0.00	24.65 -1.49 0.00	23.85 -1.55 0.00	25.00 -1.62 0.00	26.45 -1.42 0.00	34.32 -3.27 0.00	38.26 -4.54 0.00	33.86 -3.85 0.00	29.83 -2.38 0.00	27.59 -2.08 0.00	26.75 -2.01 0.00	26.31 -1.89 0.00	26.77 -2.01 0.00	27.68 -2.31 0.00	29.03 -2.49 0.00	33.05 -3.23 0.00	39.95 -3.95 0.00	35.65 -3.83 0.00	33.72 -3.58 0.00	30.38 -2.32 0.00	28.38 -2.30 0.00	26.38 -2.02 0.00	26.34 -1.59 0.00
SELKIRK___I 23801	29.64 0.98 0.00	27.63 0.91 0.00	27.03 0.89 0.00	26.29 0.89 0.00	27.50 0.88 0.00	28.82 0.95 0.00	38.83 1.24 0.00	44.21 1.41 0.00	38.88 1.17 0.00	33.09 0.87 0.00	30.46 0.80 0.00	29.54 0.78 0.00	28.93 0.73 0.00	29.56 0.78 0.00	30.86 0.87 0.00	32.40 0.88 0.00	37.33 1.05 0.00	45.35 1.45 0.00	40.71 1.23 0.00	38.50 1.19 0.00	33.65 0.95 0.00	31.60 0.92 0.00	29.28 0.88 0.00	28.77 0.84 0.00
SELKIRK___II 23799	29.44 0.77 0.00	27.44 0.72 0.00	26.85 0.71 0.00	26.11 0.71 0.00	27.32 0.69 0.00	28.59 0.72 0.00	38.57 0.98 0.00	43.99 1.20 0.00	38.69 0.98 0.00	32.92 0.71 0.00	30.31 0.65 0.00	29.40 0.63 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.68 0.69 0.00	32.21 0.69 0.00	37.14 0.87 0.00	45.18 1.27 0.00	40.51 1.02 0.00	38.27 0.97 0.00	33.46 0.75 0.00	31.41 0.74 0.00	29.11 0.71 0.00	28.61 0.67 0.00
SENECA OSWGO___HYD 24041	27.97 -0.69 0.00	26.08 -0.64 0.00	25.49 -0.65 0.00	24.76 -0.63 0.00	25.96 -0.66 0.00	27.14 -0.72 0.00	36.50 -1.09 0.00	41.60 -1.20 0.00	36.69 -1.02 0.00	31.35 -0.87 0.00	28.86 -0.80 0.00	27.99 -0.78 0.00	27.44 -0.76 0.00	28.04 -0.75 0.00	29.21 -0.78 0.00	30.67 -0.85 0.00	35.26 -1.02 0.00	42.81 -1.10 0.00	38.42 -1.06 0.00	36.26 -1.04 0.00	31.82 -0.88 0.00	29.82 -0.86 0.00	27.63 -0.77 0.00	27.13 -0.81 0.00



SENECA___115KV_TB3 355854	27.32 -1.35 0.00	25.62 -1.10 0.00	25.02 -1.12 0.00	24.20 -1.19 0.00	25.40 -1.22 0.00	26.89 -0.98 0.00	35.04 -2.56 0.00	39.12 -3.68 0.00	34.58 -3.13 0.00	30.44 -1.77 0.00	28.12 -1.54 0.00	27.30 -1.47 0.00	26.82 -1.38 0.00	27.32 -1.47 0.00	28.22 -1.77 0.00	29.56 -1.95 0.00	33.73 -2.54 0.00	40.88 -3.03 0.00	36.40 -3.08 0.00	34.47 -2.83 0.00	31.00 -1.70 0.00	28.96 -1.72 0.00	26.87 -1.53 0.00	26.85 -1.09 0.00
SENECA___ENERGY 23797	28.12 -0.55 0.00	26.24 -0.48 0.00	25.65 -0.50 0.00	24.92 -0.48 0.00	26.15 -0.48 0.00	27.50 -0.36 0.00	36.92 -0.68 0.00	41.81 -0.98 0.00	37.03 -0.68 0.00	31.70 -0.52 0.00	29.19 -0.48 0.00	28.27 -0.49 0.00	27.75 -0.45 0.00	28.30 -0.49 0.00	29.45 -0.54 0.00	30.95 -0.57 0.00	35.51 -0.76 0.00	43.12 -0.79 0.00	38.65 -0.83 0.00	36.52 -0.79 0.00	32.24 -0.46 0.00	30.10 -0.58 0.00	27.89 -0.51 0.00	27.41 -0.53 0.00
SHOEMAKER___GT 23640	29.81 1.15 0.00	27.76 1.04 0.00	27.08 0.94 0.00	26.31 0.91 0.00	27.58 0.96 0.00	28.84 0.97 0.00	39.10 1.51 0.00	44.64 1.84 0.00	39.18 1.47 0.00	33.34 1.13 0.00	30.61 0.95 0.00	29.71 0.95 0.00	29.07 0.88 0.00	29.71 0.92 0.00	30.95 0.96 0.00	32.56 1.04 0.00	37.65 1.38 0.00	45.88 1.98 0.00	41.06 1.58 0.00	38.80 1.49 0.00	33.85 1.14 0.00	31.75 1.07 0.00	29.37 0.97 0.00	28.91 0.98 0.00
SHOEMAKR_138KV_BK 111 55601	29.75 1.09 0.00	27.68 0.96 0.00	27.03 0.89 0.00	26.29 0.89 0.00	27.50 0.88 0.00	28.84 0.98 0.00	39.14 1.54 0.00	44.68 1.88 0.00	39.25 1.55 0.00	33.37 1.16 0.00	30.67 1.01 0.00	29.74 0.98 0.00	29.16 0.96 0.00	29.71 0.92 0.00	31.01 1.02 0.00	32.59 1.07 0.00	37.65 1.38 0.00	45.88 1.98 0.00	41.02 1.54 0.00	38.76 1.45 0.00	33.85 1.14 0.00	31.75 1.07 0.00	29.39 0.99 0.00	28.92 0.98 0.00
SHOREHAM_IC_1 23715	33.23 2.64 -1.93	29.09 2.38 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.25 2.66 -0.96	34.56 2.87 -3.82	41.96 4.36 0.00	51.13 5.22 -3.12	43.97 4.41 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.87 5.13 -4.83	48.94 4.14 -5.31	47.69 4.14 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.93 2.99 0.00
SHOREHAM_IC_2 23716	33.23 2.64 -1.93	29.09 2.38 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.25 2.66 -0.96	34.56 2.87 -3.82	41.96 4.36 0.00	51.13 5.22 -3.12	43.97 4.41 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.87 5.13 -4.83	48.94 4.14 -5.31	47.69 4.14 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.93 2.99 0.00
SISSONVILLE____ 23735	27.63 -1.03 0.00	25.78 -0.94 0.00	25.33 -0.81 0.00	24.61 -0.79 0.00	25.85 -0.77 0.00	27.06 -0.81 0.00	36.84 -0.75 0.00	41.73 -1.07 0.00	36.99 -0.72 0.00	31.76 -0.45 0.00	29.28 -0.39 0.00	28.33 -0.43 0.00	27.80 -0.39 0.00	28.38 -0.40 0.00	29.54 -0.45 0.00	31.14 -0.38 0.00	35.69 -0.58 0.00	42.72 -1.19 0.00	38.93 -0.55 0.00	36.74 -0.56 0.00	32.21 -0.49 0.00	30.19 -0.49 0.00	27.89 -0.51 0.00	27.38 -0.56 0.00
SITHE_IND_GS1 24169	27.66 -1.00 0.00	25.76 -0.96 0.00	25.23 -0.92 0.00	24.49 -0.91 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.05 -1.54 0.00	41.00 -1.80 0.00	36.16 -1.55 0.00	30.93 -1.29 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.10 -1.10 0.00	27.66 -1.12 0.00	28.82 -1.17 0.00	30.26 -1.26 0.00	34.78 -1.49 0.00	42.19 -1.71 0.00	37.86 -1.62 0.00	35.74 -1.57 0.00	31.39 -1.31 0.00	29.45 -1.23 0.00	27.29 -1.11 0.00	26.82 -1.12 0.00
SITHE_IND_GS2 24170	27.66 -1.00 0.00	25.76 -0.96 0.00	25.23 -0.92 0.00	24.49 -0.91 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.05 -1.54 0.00	41.00 -1.80 0.00	36.16 -1.55 0.00	30.93 -1.29 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.10 -1.10 0.00	27.66 -1.12 0.00	28.82 -1.17 0.00	30.26 -1.26 0.00	34.78 -1.49 0.00	42.19 -1.71 0.00	37.86 -1.62 0.00	35.74 -1.57 0.00	31.39 -1.31 0.00	29.45 -1.23 0.00	27.29 -1.11 0.00	26.82 -1.12 0.00
SITHE_IND_GS3 24171	27.66 -1.00 0.00	25.76 -0.96 0.00	25.23 -0.92 0.00	24.49 -0.91 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.05 -1.54 0.00	41.00 -1.80 0.00	36.16 -1.55 0.00	30.93 -1.29 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.10 -1.10 0.00	27.66 -1.12 0.00	28.82 -1.17 0.00	30.26 -1.26 0.00	34.78 -1.49 0.00	42.19 -1.71 0.00	37.86 -1.62 0.00	35.74 -1.57 0.00	31.39 -1.31 0.00	29.45 -1.23 0.00	27.29 -1.11 0.00	26.82 -1.12 0.00
SITHE_IND_GS4 24172	27.66 -1.00 0.00	25.76 -0.96 0.00	25.23 -0.92 0.00	24.49 -0.91 0.00	25.67 -0.96 0.00	26.84 -1.03 0.00	36.05 -1.54 0.00	41.00 -1.80 0.00	36.16 -1.55 0.00	30.93 -1.29 0.00	28.51 -1.16 0.00	27.64 -1.12 0.00	27.10 -1.10 0.00	27.66 -1.12 0.00	28.82 -1.17 0.00	30.26 -1.26 0.00	34.78 -1.49 0.00	42.19 -1.71 0.00	37.86 -1.62 0.00	35.74 -1.57 0.00	31.39 -1.31 0.00	29.45 -1.23 0.00	27.29 -1.11 0.00	26.82 -1.12 0.00
SITHE___BATAVIA 24024	27.52 -1.15 0.00	25.76 -0.96 0.00	25.15 -0.99 0.00	24.36 -1.04 0.00	25.59 -1.04 0.00	27.09 -0.78 0.00	35.60 -1.99 0.00	39.84 -2.95 0.00	35.56 -2.15 0.00	30.77 -1.45 0.00	28.45 -1.22 0.00	27.53 -1.24 0.00	27.24 -0.96 0.00	27.63 -1.15 0.00	28.61 -1.38 0.00	30.07 -1.45 0.00	34.24 -2.03 0.00	41.45 -2.46 0.00	37.15 -2.33 0.00	34.95 -2.35 0.00	31.39 -1.31 0.00	29.18 -1.50 0.00	27.18 -1.22 0.00	26.85 -1.09 0.00
SITHE___INDEPEND 23800	27.72 -0.95 0.00	25.84 -0.88 0.00	25.28 -0.86 0.00	24.53 -0.86 0.00	25.72 -0.91 0.00	26.84 -1.03 0.00	36.02 -1.58 0.00	41.00 -1.80 0.00	36.12 -1.58 0.00	30.93 -1.29 0.00	28.48 -1.19 0.00	27.64 -1.12 0.00	27.07 -1.13 0.00	27.66 -1.12 0.00	28.79 -1.20 0.00	30.26 -1.26 0.00	34.79 -1.49 0.00	42.19 -1.71 0.00	37.83 -1.66 0.00	35.74 -1.57 0.00	31.39 -1.31 0.00	29.45 -1.23 0.00	27.26 -1.14 0.00	26.82 -1.12 0.00
SITHE___MASSENA 23902	28.49 -0.17 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.84 -0.03 0.00	37.67 0.08 0.00	42.67 -0.13 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.42 0.22 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.64 -0.26 0.00	39.48 0.00 0.00	37.41 0.11 0.00	32.90 0.20 0.00	30.86 0.19 0.00	28.54 0.14 0.00	28.08 0.14 0.00
SITHE___OGDNSBRG 24021	28.43 -0.23 0.00	26.53 -0.19 0.00	26.07 -0.08 0.00	25.32 -0.08 0.00	26.63 0.00 0.00	27.90 0.03 0.00	38.01 0.41 0.00	43.10 0.30 0.00	38.16 0.45 0.00	32.70 0.48 0.00	30.17 0.50 0.00	29.20 0.43 0.00	28.62 0.42 0.00	29.25 0.46 0.00	30.44 0.45 0.00	32.05 0.54 0.00	36.75 0.47 0.00	43.99 0.09 0.00	40.12 0.63 0.00	37.86 0.56 0.00	33.19 0.49 0.00	31.08 0.40 0.00	28.71 0.31 0.00	28.13 0.20 0.00



SITHE___STERLING 23777	29.32 0.66 0.00	27.30 0.59 0.00	26.72 0.57 0.00	25.93 0.53 0.00	27.21 0.59 0.00	28.62 0.75 0.00	38.80 1.20 0.00	44.21 1.41 0.00	38.91 1.21 0.00	33.18 0.97 0.00	30.55 0.89 0.00	29.57 0.80 0.00	28.99 0.79 0.00	29.62 0.84 0.00	30.86 0.87 0.00	32.50 0.98 0.00	37.33 1.05 0.00	45.31 1.40 0.00	40.67 1.18 0.00	38.31 1.01 0.00	33.59 0.88 0.00	31.45 0.77 0.00	29.02 0.62 0.00	28.47 0.53 0.00
SLEIGHT__34_KV_TB1 80719	27.72 -0.95 0.00	25.89 -0.83 0.00	25.31 -0.84 0.00	24.51 -0.89 0.00	25.75 -0.88 0.00	27.06 -0.81 0.00	36.09 -1.50 0.00	40.96 -1.84 0.00	36.16 -1.55 0.00	31.25 -0.97 0.00	28.77 -0.89 0.00	27.90 -0.86 0.00	27.35 -0.85 0.00	27.95 -0.83 0.00	29.03 -0.96 0.00	30.54 -0.98 0.00	34.97 -1.31 0.00	42.41 -1.49 0.00	37.98 -1.50 0.00	35.81 -1.49 0.00	31.72 -0.98 0.00	29.61 -1.07 0.00	27.38 -1.02 0.00	26.96 -0.98 0.00
SOUTH CAIRO___GT 23612	30.47 1.81 0.00	28.37 1.66 0.00	27.77 1.62 0.00	27.00 1.60 0.00	28.25 1.62 0.00	29.62 1.76 0.00	40.19 2.59 0.00	45.41 2.61 0.00	39.89 2.19 0.00	33.63 1.42 0.00	30.76 1.10 0.00	29.77 1.01 0.00	29.16 0.96 0.00	29.79 1.01 0.00	31.19 1.20 0.00	32.90 1.39 0.00	37.94 1.67 0.00	46.49 2.59 0.00	41.93 2.45 0.00	39.35 2.05 0.00	34.40 1.70 0.00	32.03 1.35 0.00	29.82 1.42 0.00	29.33 1.40 0.00
SOUTH HAMPTN___IC 23720	33.83 3.24 -1.93	29.63 2.91 0.00	29.85 3.08 -0.62	29.50 3.00 -1.10	30.70 3.11 -0.96	35.09 3.40 -3.82	42.71 5.11 0.00	51.99 6.07 -3.11	44.73 5.17 -1.86	36.24 4.03 0.00	33.10 3.44 0.00	31.96 3.19 0.00	31.10 2.91 0.00	31.90 3.11 0.00	33.59 3.60 0.00	36.58 4.04 -1.03	41.89 4.50 -1.12	54.88 6.15 -4.83	49.85 5.06 -5.31	48.51 4.96 -6.25	45.91 4.45 -8.76	41.48 4.11 -6.69	31.98 3.49 -0.09	31.43 3.49 0.00
SOUTHDOW_115KV_TB1 355954	27.95 -0.72 0.00	26.18 -0.53 0.00	25.57 -0.58 0.00	24.87 -0.53 0.00	26.09 -0.53 0.00	27.73 -0.14 0.00	36.62 -0.98 0.00	41.04 -1.75 0.00	36.27 -1.43 0.00	31.83 -0.39 0.00	29.46 -0.21 0.00	28.56 -0.20 0.00	28.03 -0.17 0.00	28.50 -0.29 0.00	29.42 -0.57 0.00	30.79 -0.72 0.00	35.22 -1.05 0.00	43.03 -0.88 0.00	38.22 -1.26 0.00	36.11 -1.19 0.00	32.44 -0.26 0.00	30.28 -0.40 0.00	28.06 -0.34 0.00	27.97 0.03 0.00
SOUTHOLD_69_KV_BK 2 55809	34.15 3.55 -1.93	29.87 3.15 0.00	30.11 3.35 -0.62	29.73 3.23 -1.10	30.94 3.35 -0.96	35.45 3.76 -3.82	43.24 5.64 0.00	52.63 6.72 -3.11	45.30 5.73 -1.86	36.56 4.35 0.00	33.37 3.71 0.00	32.22 3.45 0.00	31.47 3.27 0.00	32.12 3.34 0.00	33.80 3.81 0.00	36.99 4.44 -1.03	42.61 5.22 -1.12	55.80 7.07 -4.83	50.52 5.73 -5.31	49.11 5.56 -6.25	46.37 4.91 -8.76	41.94 4.57 -6.69	32.52 4.03 -0.09	31.74 3.80 0.00
SOUTHOLD___IC 23719	34.20 3.61 -1.93	29.98 3.26 0.00	30.14 3.37 -0.62	29.80 3.30 -1.10	31.03 3.44 -0.96	35.45 3.76 -3.82	43.23 5.64 0.00	52.63 6.72 -3.11	45.26 5.69 -1.86	36.66 4.45 0.00	33.49 3.83 0.00	32.30 3.54 0.00	31.41 3.21 0.00	32.21 3.42 0.00	33.95 3.96 0.00	36.99 4.45 -1.03	42.40 5.01 -1.12	55.63 6.89 -4.83	50.49 5.69 -5.31	49.11 5.56 -6.25	46.40 4.94 -8.76	41.94 4.57 -6.69	32.38 3.89 -0.09	31.79 3.86 0.00
SOUTH_FORK_WT_PWR 323839	34.32 3.72 -1.93	30.08 3.37 0.00	30.24 3.48 -0.62	29.88 3.38 -1.10	31.10 3.51 -0.96	35.56 3.87 -3.82	43.38 5.79 0.00	52.76 6.85 -3.11	45.37 5.80 -1.86	36.76 4.54 0.00	33.58 3.92 0.00	32.39 3.62 0.00	31.50 3.30 0.00	32.30 3.51 0.00	34.04 4.05 0.00	37.08 4.54 -1.03	42.54 5.15 -1.12	55.76 7.02 -4.83	50.60 5.81 -5.31	49.22 5.67 -6.25	46.50 5.03 -8.76	42.06 4.69 -6.69	32.46 3.98 -0.09	31.90 3.97 0.00
SPIERFLS_115KV_TB 1 80737	30.50 1.83 0.00	28.37 1.66 0.00	27.82 1.67 0.00	27.05 1.65 0.00	28.38 1.76 0.00	29.93 2.06 0.00	40.53 2.93 0.00	46.01 3.21 0.00	40.46 2.75 0.00	34.15 1.93 0.00	31.24 1.57 0.00	30.29 1.52 0.00	29.67 1.47 0.00	30.40 1.61 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.49 2.21 0.00	46.89 2.99 0.00	42.13 2.65 0.00	39.73 2.42 0.00	34.70 1.99 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.75 1.82 0.00
ST LAWRENCE____ 23600	28.26 -0.40 0.00	26.37 -0.35 0.00	25.88 -0.26 0.00	25.14 -0.25 0.00	26.39 -0.24 0.00	27.59 -0.28 0.00	37.29 -0.30 0.00	42.37 -0.43 0.00	37.40 -0.30 0.00	32.09 -0.13 0.00	29.57 -0.09 0.00	28.68 -0.09 0.00	28.12 -0.08 0.00	28.67 -0.11 0.00	29.87 -0.12 0.00	31.42 -0.09 0.00	36.09 -0.18 0.00	43.33 -0.57 0.00	39.17 -0.32 0.00	37.04 -0.26 0.00	32.54 -0.16 0.00	30.53 -0.15 0.00	28.26 -0.14 0.00	27.83 -0.11 0.00
STATE_CA_115KV_115_LB 55624	29.44 0.77 0.00	27.39 0.67 0.00	26.80 0.65 0.00	26.11 0.71 0.00	27.26 0.64 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.12 1.33 0.00	38.84 1.13 0.00	32.99 0.77 0.00	30.37 0.71 0.00	29.48 0.72 0.00	28.90 0.70 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.31 0.79 0.00	37.22 0.94 0.00	45.31 1.40 0.00	40.59 1.11 0.00	38.35 1.04 0.00	33.52 0.82 0.00	31.48 0.80 0.00	29.19 0.80 0.00	28.64 0.70 0.00
STATE_ST_34_KV_LOAD 55959	28.46 -0.20 0.00	26.56 -0.16 0.00	25.96 -0.18 0.00	25.20 -0.20 0.00	26.44 -0.19 0.00	27.73 -0.14 0.00	37.26 -0.34 0.00	42.45 -0.34 0.00	37.44 -0.26 0.00	32.12 -0.10 0.00	29.54 -0.12 0.00	28.62 -0.14 0.00	28.03 -0.17 0.00	28.67 -0.12 0.00	29.84 -0.15 0.00	31.36 -0.16 0.00	35.98 -0.29 0.00	43.77 -0.13 0.00	39.25 -0.24 0.00	37.00 -0.30 0.00	32.57 -0.13 0.00	30.46 -0.21 0.00	28.17 -0.23 0.00	27.69 -0.25 0.00
STATION 5_MISC_HYD 23604	27.57 -1.09 0.00	25.76 -0.96 0.00	25.18 -0.97 0.00	24.41 -0.99 0.00	25.61 -1.01 0.00	27.00 -0.86 0.00	35.79 -1.80 0.00	40.31 -2.48 0.00	35.86 -1.85 0.00	30.89 -1.32 0.00	28.54 -1.13 0.00	27.67 -1.09 0.00	27.27 -0.93 0.00	27.75 -1.04 0.00	28.79 -1.20 0.00	30.22 -1.29 0.00	34.53 -1.74 0.00	41.75 -2.15 0.00	37.51 -1.97 0.00	35.32 -1.98 0.00	31.49 -1.21 0.00	29.33 -1.35 0.00	27.26 -1.14 0.00	26.85 -1.09 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	28.03 -0.63 0.00	26.16 -0.56 0.00	25.57 -0.58 0.00	24.76 -0.63 0.00	26.01 -0.61 0.00	27.37 -0.50 0.00	36.47 -1.13 0.00	41.38 -1.41 0.00	36.54 -1.17 0.00	31.60 -0.61 0.00	29.13 -0.53 0.00	28.22 -0.55 0.00	27.66 -0.54 0.00	28.30 -0.49 0.00	29.36 -0.63 0.00	30.89 -0.63 0.00	35.37 -0.91 0.00	42.90 -1.01 0.00	38.42 -1.07 0.00	36.22 -1.08 0.00	32.18 -0.52 0.00	29.97 -0.71 0.00	27.72 -0.68 0.00	27.32 -0.61 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	27.46 -1.20 0.00	25.65 -1.07 0.00	25.07 -1.07 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.81 -1.06 0.00	35.49 -2.11 0.00	40.14 -2.65 0.00	35.48 -2.22 0.00	30.80 -1.42 0.00	28.45 -1.22 0.00	27.58 -1.18 0.00	27.04 -1.16 0.00	27.63 -1.15 0.00	28.64 -1.35 0.00	30.13 -1.39 0.00	34.42 -1.85 0.00	41.71 -2.20 0.00	37.35 -2.13 0.00	35.21 -2.09 0.00	31.36 -1.34 0.00	29.24 -1.44 0.00	27.06 -1.33 0.00	26.74 -1.20 0.00



STA_56___34_KV_BUS2 355983	27.46 -1.20 0.00	25.65 -1.07 0.00	25.07 -1.07 0.00	24.26 -1.14 0.00	25.45 -1.17 0.00	26.81 -1.06 0.00	35.49 -2.11 0.00	40.14 -2.65 0.00	35.48 -2.22 0.00	30.80 -1.42 0.00	28.45 -1.22 0.00	27.58 -1.18 0.00	27.04 -1.16 0.00	27.63 -1.15 0.00	28.64 -1.35 0.00	30.13 -1.39 0.00	34.42 -1.85 0.00	41.71 -2.20 0.00	37.35 -2.13 0.00	35.21 -2.09 0.00	31.36 -1.34 0.00	29.24 -1.44 0.00	27.06 -1.33 0.00	26.74 -1.20 0.00
STA_67___115KV_BK2 355882	27.52 -1.15 0.00	25.70 -1.02 0.00	25.12 -1.02 0.00	24.33 -1.07 0.00	25.51 -1.12 0.00	26.86 -1.00 0.00	35.49 -2.11 0.00	40.10 -2.70 0.00	35.44 -2.26 0.00	30.80 -1.42 0.00	28.45 -1.22 0.00	27.58 -1.18 0.00	27.04 -1.16 0.00	27.63 -1.15 0.00	28.64 -1.35 0.00	30.10 -1.42 0.00	34.39 -1.89 0.00	41.67 -2.24 0.00	37.27 -2.21 0.00	35.18 -2.13 0.00	31.36 -1.34 0.00	29.27 -1.41 0.00	27.09 -1.31 0.00	26.79 -1.15 0.00
STA_7___115KV_9TRANS 80674	27.69 -0.97 0.00	25.86 -0.85 0.00	25.26 -0.89 0.00	24.43 -0.97 0.00	25.64 -0.99 0.00	27.03 -0.84 0.00	35.75 -1.84 0.00	40.40 -2.40 0.00	35.75 -1.96 0.00	31.06 -1.16 0.00	28.65 -1.01 0.00	27.79 -0.98 0.00	27.27 -0.93 0.00	27.86 -0.92 0.00	28.88 -1.11 0.00	30.35 -1.17 0.00	34.68 -1.60 0.00	42.02 -1.89 0.00	37.63 -1.86 0.00	35.47 -1.83 0.00	31.66 -1.05 0.00	29.48 -1.20 0.00	27.29 -1.11 0.00	26.96 -0.98 0.00
STA_82___115KV_TB1 80780	27.54 -1.12 0.00	25.73 -0.99 0.00	25.12 -1.02 0.00	24.33 -1.07 0.00	25.53 -1.09 0.00	26.89 -0.98 0.00	35.53 -2.07 0.00	40.14 -2.65 0.00	35.48 -2.22 0.00	30.83 -1.39 0.00	28.45 -1.22 0.00	27.58 -1.18 0.00	27.07 -1.13 0.00	27.66 -1.12 0.00	28.67 -1.32 0.00	30.13 -1.39 0.00	34.42 -1.85 0.00	41.67 -2.24 0.00	37.31 -2.17 0.00	35.21 -2.09 0.00	31.39 -1.31 0.00	29.27 -1.41 0.00	27.12 -1.28 0.00	26.82 -1.12 0.00
STEEL___WIND 323596	27.37 -1.29 0.00	25.68 -1.04 0.00	25.07 -1.07 0.00	24.31 -1.09 0.00	25.53 -1.09 0.00	27.00 -0.86 0.00	35.30 -2.29 0.00	39.29 -3.51 0.00	35.03 -2.68 0.00	30.41 -1.80 0.00	28.15 -1.51 0.00	27.30 -1.47 0.00	27.02 -1.18 0.00	27.32 -1.47 0.00	28.28 -1.71 0.00	29.63 -1.89 0.00	33.73 -2.54 0.00	40.83 -3.07 0.00	36.56 -2.92 0.00	34.50 -2.80 0.00	31.00 -1.70 0.00	28.93 -1.75 0.00	27.01 -1.39 0.00	26.82 -1.12 0.00
STEPHTWN_115KV_BK_2 55603	29.75 1.09 0.00	27.65 0.94 0.00	27.03 0.89 0.00	26.34 0.94 0.00	27.53 0.91 0.00	28.98 1.11 0.00	39.17 1.58 0.00	44.68 1.88 0.00	39.33 1.62 0.00	33.37 1.16 0.00	30.67 1.01 0.00	29.77 1.01 0.00	29.16 0.96 0.00	29.79 1.01 0.00	31.07 1.08 0.00	32.65 1.13 0.00	37.65 1.38 0.00	45.84 1.93 0.00	41.06 1.58 0.00	38.79 1.49 0.00	33.88 1.18 0.00	31.81 1.14 0.00	29.51 1.11 0.00	28.89 0.95 0.00
STEBUBEN_REC_LFGE 323667	28.18 -0.49 0.00	26.42 -0.29 0.00	25.83 -0.31 0.00	25.07 -0.33 0.00	26.36 -0.27 0.00	27.92 0.06 0.00	37.07 -0.53 0.00	41.77 -1.03 0.00	36.88 -0.83 0.00	32.09 -0.13 0.00	29.54 -0.12 0.00	28.59 -0.17 0.00	28.03 -0.17 0.00	28.67 -0.12 0.00	29.78 -0.21 0.00	31.30 -0.22 0.00	35.84 -0.44 0.00	43.55 -0.35 0.00	38.81 -0.67 0.00	36.63 -0.67 0.00	32.67 -0.03 0.00	30.46 -0.21 0.00	28.20 -0.20 0.00	27.94 0.00 0.00
STILLWATER___SOLAR 323814	30.30 1.63 0.00	28.24 1.52 0.00	27.63 1.49 0.00	26.82 1.42 0.00	28.14 1.52 0.00	29.57 1.70 0.00	39.93 2.33 0.00	45.49 2.70 0.00	39.93 2.22 0.00	33.86 1.64 0.00	31.09 1.42 0.00	30.17 1.41 0.00	29.53 1.33 0.00	30.22 1.44 0.00	31.55 1.56 0.00	33.16 1.64 0.00	38.23 1.96 0.00	46.54 2.63 0.00	41.77 2.29 0.00	39.46 2.16 0.00	34.47 1.76 0.00	32.34 1.66 0.00	29.90 1.50 0.00	29.47 1.54 0.00
STONY___BROOK 24151	33.32 2.72 -1.93	29.17 2.46 0.00	29.22 2.46 -0.62	28.89 2.39 -1.10	30.09 2.50 -0.96	34.36 2.68 -3.82	41.66 4.06 0.00	50.83 4.92 -3.12	43.71 4.15 -1.86	35.50 3.29 0.00	32.42 2.76 0.00	31.35 2.59 0.00	30.57 2.37 0.00	31.32 2.53 0.00	32.90 2.91 0.00	35.82 3.28 -1.03	41.20 3.81 -1.12	53.82 5.09 -4.83	48.94 4.14 -5.32	47.54 3.99 -6.25	44.96 3.50 -8.76	40.65 3.28 -6.69	31.30 2.81 -0.09	30.73 2.79 0.00
STURGEON_POOL_HYD 23609	30.10 1.43 0.00	27.97 1.26 0.00	27.32 1.18 0.00	26.54 1.14 0.00	27.80 1.17 0.00	29.12 1.25 0.00	39.59 1.99 0.00	45.24 2.44 0.00	39.74 2.04 0.00	33.79 1.58 0.00	31.00 1.33 0.00	30.03 1.27 0.00	29.44 1.24 0.00	29.97 1.18 0.00	31.28 1.29 0.00	32.91 1.39 0.00	38.09 1.81 0.00	46.45 2.55 0.00	41.46 1.97 0.00	39.17 1.87 0.00	34.17 1.47 0.00	32.06 1.38 0.00	29.68 1.28 0.00	29.22 1.29 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	29.84 1.18 0.00	27.76 1.04 0.00	27.11 0.97 0.00	26.36 0.97 0.00	27.58 0.96 0.00	28.93 1.06 0.00	39.29 1.69 0.00	44.94 2.14 0.00	39.48 1.77 0.00	33.54 1.32 0.00	30.82 1.16 0.00	29.89 1.12 0.00	29.27 1.07 0.00	29.85 1.07 0.00	31.13 1.14 0.00	32.72 1.20 0.00	37.87 1.60 0.00	46.14 2.24 0.00	41.22 1.74 0.00	38.94 1.64 0.00	34.01 1.31 0.00	31.91 1.23 0.00	29.51 1.11 0.00	29.03 1.09 0.00
SWANROAD_115KV_TB1 355699	26.31 -2.35 0.00	24.69 -2.03 0.00	24.11 -2.04 0.00	23.29 -2.11 0.00	24.44 -2.18 0.00	25.83 -2.03 0.00	33.38 -4.21 0.00	37.19 -5.61 0.00	32.88 -4.83 0.00	29.06 -3.16 0.00	26.85 -2.82 0.00	26.06 -2.70 0.00	25.61 -2.59 0.00	26.08 -2.71 0.00	26.93 -3.06 0.00	28.27 -3.25 0.00	32.14 -4.14 0.00	38.81 -5.09 0.00	34.63 -4.86 0.00	32.79 -4.51 0.00	29.60 -3.11 0.00	27.64 -3.04 0.00	25.67 -2.73 0.00	25.70 -2.23 0.00
SYNERGY___BIOGAS 323694	27.52 -1.15 0.00	25.76 -0.96 0.00	25.15 -0.99 0.00	24.36 -1.04 0.00	25.59 -1.04 0.00	27.09 -0.78 0.00	35.60 -1.99 0.00	39.84 -2.95 0.00	35.56 -2.15 0.00	30.77 -1.45 0.00	28.45 -1.22 0.00	27.53 -1.24 0.00	27.24 -0.96 0.00	27.63 -1.15 0.00	28.61 -1.38 0.00	30.07 -1.45 0.00	34.24 -2.03 0.00	41.45 -2.46 0.00	37.15 -2.33 0.00	34.95 -2.35 0.00	31.39 -1.31 0.00	29.18 -1.50 0.00	27.18 -1.22 0.00	26.85 -1.09 0.00
SYRACUSE___ENERGY_ST1 323597	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00
SYRACUSE___ENERGY_ST2 323598	28.40 -0.26 0.00	26.50 -0.21 0.00	25.91 -0.24 0.00	25.14 -0.25 0.00	26.36 -0.27 0.00	27.56 -0.31 0.00	37.03 -0.56 0.00	42.15 -0.64 0.00	37.14 -0.57 0.00	31.80 -0.42 0.00	29.25 -0.42 0.00	28.39 -0.37 0.00	27.80 -0.39 0.00	28.41 -0.37 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.00 -0.40 0.00	27.55 -0.39 0.00



SYRACUSE___POWER 24017	28.40 -0.26 0.00	26.48 -0.24 0.00	25.88 -0.26 0.00	25.12 -0.28 0.00	26.36 -0.27 0.00	27.53 -0.33 0.00	36.99 -0.60 0.00	42.11 -0.68 0.00	37.10 -0.60 0.00	31.76 -0.45 0.00	29.28 -0.39 0.00	28.39 -0.37 0.00	27.83 -0.37 0.00	28.44 -0.35 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.03 -0.37 0.00	27.55 -0.39 0.00
TALLMAN___138KV_BK151 55660	30.04 1.38 0.00	27.95 1.23 0.00	27.29 1.15 0.00	26.52 1.12 0.00	27.77 1.14 0.00	29.12 1.25 0.00	39.59 1.99 0.00	45.36 2.57 0.00	39.82 2.11 0.00	33.86 1.64 0.00	31.09 1.42 0.00	30.14 1.38 0.00	29.55 1.35 0.00	30.11 1.32 0.00	31.40 1.41 0.00	33.00 1.48 0.00	38.23 1.96 0.00	46.58 2.68 0.00	41.58 2.09 0.00	39.32 2.01 0.00	34.30 1.60 0.00	32.18 1.50 0.00	29.76 1.36 0.00	29.25 1.31 0.00
TEALLAVE_115KV_TB7 355573	28.26 -0.40 0.00	26.37 -0.35 0.00	25.78 -0.37 0.00	25.02 -0.38 0.00	26.25 -0.37 0.00	27.39 -0.47 0.00	36.77 -0.83 0.00	41.85 -0.94 0.00	36.88 -0.83 0.00	31.60 -0.61 0.00	29.10 -0.56 0.00	28.25 -0.52 0.00	27.69 -0.51 0.00	28.27 -0.52 0.00	29.42 -0.57 0.00	30.89 -0.63 0.00	35.51 -0.76 0.00	43.11 -0.79 0.00	38.62 -0.87 0.00	36.44 -0.86 0.00	32.05 -0.65 0.00	30.07 -0.61 0.00	27.86 -0.54 0.00	27.41 -0.53 0.00
TELGRAPH_34_KV_EAST 80808	27.03 -1.63 0.00	25.33 -1.39 0.00	24.73 -1.41 0.00	23.90 -1.50 0.00	25.08 -1.54 0.00	26.53 -1.34 0.00	34.55 -3.05 0.00	38.69 -4.11 0.00	34.24 -3.47 0.00	30.09 -2.13 0.00	27.82 -1.84 0.00	26.95 -1.81 0.00	26.48 -1.72 0.00	27.03 -1.76 0.00	27.92 -2.07 0.00	29.31 -2.21 0.00	33.37 -2.90 0.00	40.39 -3.51 0.00	36.05 -3.44 0.00	34.06 -3.25 0.00	30.67 -2.03 0.00	28.56 -2.12 0.00	26.50 -1.90 0.00	26.43 -1.51 0.00
TEMPLE___115KV_TB 2 55572	28.29 -0.37 0.00	26.37 -0.35 0.00	25.80 -0.34 0.00	25.04 -0.36 0.00	26.25 -0.37 0.00	27.42 -0.45 0.00	36.77 -0.83 0.00	41.90 -0.90 0.00	36.91 -0.79 0.00	31.60 -0.61 0.00	29.13 -0.53 0.00	28.28 -0.49 0.00	27.69 -0.51 0.00	28.30 -0.49 0.00	29.42 -0.57 0.00	30.92 -0.60 0.00	35.51 -0.76 0.00	43.11 -0.79 0.00	38.65 -0.83 0.00	36.48 -0.82 0.00	32.08 -0.62 0.00	30.10 -0.58 0.00	27.89 -0.51 0.00	27.43 -0.50 0.00
TIANA___69_KV_BK 1 55817	33.60 3.01 -1.93	29.39 2.67 0.00	29.67 2.90 -0.62	29.32 2.82 -1.10	30.49 2.90 -0.96	34.95 3.26 -3.82	42.48 4.89 0.00	51.77 5.86 -3.11	44.58 5.01 -1.86	36.02 3.80 0.00	32.87 3.20 0.00	31.76 2.99 0.00	31.02 2.82 0.00	31.66 2.88 0.00	33.32 3.33 0.00	36.45 3.91 -1.03	41.89 4.50 -1.12	54.84 6.10 -4.83	49.69 4.90 -5.31	48.29 4.74 -6.25	45.65 4.19 -8.76	41.33 3.96 -6.69	31.98 3.49 -0.09	31.23 3.30 0.00
TILDEN___115KV_TB1 80814	28.40 -0.26 0.00	26.48 -0.24 0.00	25.88 -0.26 0.00	25.12 -0.28 0.00	26.36 -0.27 0.00	27.53 -0.33 0.00	36.99 -0.60 0.00	42.11 -0.68 0.00	37.10 -0.60 0.00	31.76 -0.45 0.00	29.28 -0.39 0.00	28.39 -0.37 0.00	27.83 -0.37 0.00	28.44 -0.35 0.00	29.57 -0.42 0.00	31.08 -0.44 0.00	35.73 -0.54 0.00	43.38 -0.53 0.00	38.89 -0.59 0.00	36.71 -0.60 0.00	32.28 -0.43 0.00	30.25 -0.43 0.00	28.03 -0.37 0.00	27.55 -0.39 0.00
TRIGEN___CC 323695	32.69 2.09 -1.93	28.59 1.87 0.00	28.54 1.78 -0.62	28.25 1.75 -1.10	29.37 1.78 -0.96	33.61 1.92 -3.82	40.49 2.89 0.00	49.50 3.59 -3.11	42.61 3.05 -1.85	34.63 2.42 0.00	31.68 2.02 0.00	30.72 1.96 0.00	30.09 1.89 0.00	30.69 1.90 0.00	32.12 2.13 0.00	34.87 2.33 -1.02	40.33 2.94 -1.11	52.59 3.86 -4.82	47.91 3.12 -5.31	46.56 3.02 -6.24	43.88 2.42 -8.76	39.67 2.30 -6.69	30.55 2.07 -0.08	29.92 1.98 0.00
TRINITY___115KV___4 BK 55933	29.38 0.72 0.00	27.33 0.61 0.00	26.72 0.58 0.00	26.03 0.63 0.00	27.21 0.59 0.00	28.56 0.70 0.00	38.54 0.94 0.00	43.95 1.16 0.00	38.72 1.02 0.00	32.86 0.64 0.00	30.26 0.59 0.00	29.37 0.60 0.00	28.82 0.62 0.00	29.42 0.63 0.00	30.68 0.69 0.00	32.18 0.66 0.00	37.11 0.83 0.00	45.13 1.23 0.00	40.43 0.95 0.00	38.23 0.93 0.00	33.39 0.69 0.00	31.39 0.71 0.00	29.11 0.71 0.00	28.55 0.61 0.00
UNION___PROCESSING_DRP 323587	27.54 -1.12 0.00	25.73 -0.99 0.00	25.15 -0.99 0.00	24.33 -1.07 0.00	25.53 -1.09 0.00	26.89 -0.98 0.00	35.53 -2.07 0.00	40.14 -2.65 0.00	35.48 -2.22 0.00	30.86 -1.35 0.00	28.48 -1.19 0.00	27.61 -1.15 0.00	27.07 -1.13 0.00	27.66 -1.12 0.00	28.67 -1.32 0.00	30.13 -1.39 0.00	34.46 -1.81 0.00	41.71 -2.20 0.00	37.31 -2.17 0.00	35.25 -2.05 0.00	31.43 -1.28 0.00	29.30 -1.38 0.00	27.12 -1.28 0.00	26.82 -1.12 0.00
UPPER HUDSON___HYD 24058	30.52 1.86 0.00	28.45 1.74 0.00	27.90 1.75 0.00	27.07 1.68 0.00	28.44 1.81 0.00	29.93 2.06 0.00	40.49 2.90 0.00	46.05 3.25 0.00	40.42 2.72 0.00	34.15 1.93 0.00	31.23 1.57 0.00	30.32 1.55 0.00	29.64 1.44 0.00	30.37 1.58 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.45 2.18 0.00	46.89 2.99 0.00	42.17 2.69 0.00	39.76 2.46 0.00	34.70 2.00 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.75 1.81 0.00
UPPER RAQUET___HYD 24056	27.63 -1.03 0.00	25.78 -0.94 0.00	25.33 -0.81 0.00	24.61 -0.79 0.00	25.85 -0.77 0.00	27.06 -0.81 0.00	36.84 -0.75 0.00	41.73 -1.07 0.00	36.95 -0.75 0.00	31.76 -0.45 0.00	29.25 -0.42 0.00	28.33 -0.43 0.00	27.78 -0.42 0.00	28.35 -0.43 0.00	29.54 -0.45 0.00	31.14 -0.38 0.00	35.69 -0.58 0.00	42.72 -1.18 0.00	38.65 -0.83 0.00	36.63 -0.67 0.00	32.21 -0.49 0.00	30.19 -0.49 0.00	27.89 -0.51 0.00	27.38 -0.56 0.00
VALLEY44_115KV_TB2 355964	27.83 -0.83 0.00	26.13 -0.59 0.00	25.52 -0.63 0.00	24.71 -0.69 0.00	25.93 -0.69 0.00	27.45 -0.42 0.00	36.13 -1.47 0.00	40.31 -2.48 0.00	35.56 -2.15 0.00	31.02 -1.19 0.00	28.68 -0.98 0.00	27.81 -0.95 0.00	27.35 -0.85 0.00	27.84 -0.95 0.00	28.76 -1.23 0.00	30.07 -1.45 0.00	34.50 -1.78 0.00	41.89 -2.02 0.00	37.31 -2.17 0.00	35.29 -2.01 0.00	31.66 -1.05 0.00	29.58 -1.10 0.00	27.41 -0.99 0.00	27.41 -0.53 0.00
VALLEY___115KV_TB 1-4 80826	28.66 0.00 0.00	26.69 -0.03 0.00	26.12 -0.03 0.00	25.42 0.03 0.00	26.65 0.03 0.00	27.98 0.11 0.00	37.86 0.26 0.00	43.18 0.39 0.00	38.01 0.30 0.00	32.44 0.23 0.00	29.87 0.21 0.00	28.97 0.20 0.00	28.40 0.20 0.00	29.02 0.23 0.00	30.26 0.27 0.00	31.83 0.32 0.00	36.67 0.40 0.00	44.52 0.61 0.00	40.00 0.51 0.00	37.75 0.45 0.00	33.06 0.36 0.00	31.05 0.37 0.00	28.68 0.28 0.00	28.16 0.22 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	30.41 1.75 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.82 1.42 0.00	28.14 1.52 0.00	29.62 1.76 0.00	40.30 2.71 0.00	45.96 3.17 0.00	40.38 2.68 0.00	34.37 2.16 0.00	31.59 1.93 0.00	30.60 1.84 0.00	29.95 1.75 0.00	30.60 1.81 0.00	31.88 1.89 0.00	33.54 2.02 0.00	38.60 2.32 0.00	47.02 3.12 0.00	42.17 2.68 0.00	39.80 2.50 0.00	34.86 2.16 0.00	32.67 1.99 0.00	30.10 1.70 0.00	29.56 1.62 0.00



VISCHER___FERRY HYD 24020	29.95 1.29 0.00	27.89 1.17 0.00	27.27 1.12 0.00	26.51 1.12 0.00	27.77 1.14 0.00	29.12 1.26 0.00	39.29 1.69 0.00	44.81 2.01 0.00	39.36 1.66 0.00	33.44 1.22 0.00	30.79 1.13 0.00	29.88 1.12 0.00	29.24 1.04 0.00	29.88 1.09 0.00	31.19 1.20 0.00	32.75 1.23 0.00	37.76 1.49 0.00	45.97 2.06 0.00	41.22 1.74 0.00	38.94 1.64 0.00	34.04 1.34 0.00	31.97 1.29 0.00	29.56 1.16 0.00	29.11 1.17 0.00
V_A_10_SYNC_DSASP 323832	26.83 -1.84 0.00	25.12 -1.60 0.00	24.55 -1.60 0.00	23.80 -1.60 0.00	24.97 -1.65 0.00	26.36 -1.51 0.00	34.51 -3.08 0.00	38.48 -4.32 0.00	34.28 -3.43 0.00	29.70 -2.51 0.00	27.47 -2.19 0.00	26.64 -2.13 0.00	26.34 -1.86 0.00	26.69 -2.10 0.00	27.65 -2.34 0.00	29.00 -2.52 0.00	33.05 -3.23 0.00	39.82 -4.08 0.00	35.77 -3.71 0.00	33.76 -3.54 0.00	30.28 -2.42 0.00	28.26 -2.42 0.00	26.38 -2.02 0.00	26.09 -1.84 0.00
V_CMM_10_SYNC_DSASP 323787	28.35 -0.31 0.00	26.48 -0.24 0.00	25.96 -0.18 0.00	25.22 -0.18 0.00	26.47 -0.16 0.00	27.70 -0.17 0.00	37.45 -0.15 0.00	42.54 -0.26 0.00	37.56 -0.15 0.00	32.22 0.00 0.00	29.69 0.03 0.00	28.79 0.03 0.00	28.23 0.03 0.00	28.81 0.03 0.00	29.99 0.00 0.00	31.55 0.03 0.00	36.24 -0.04 0.00	43.51 -0.40 0.00	39.33 -0.16 0.00	37.19 -0.11 0.00	32.67 -0.03 0.00	30.65 -0.03 0.00	28.37 -0.03 0.00	27.91 -0.03 0.00
V_CMP_10_SYNC_DSASP 323788	28.09 -0.57 0.00	26.32 -0.40 0.00	26.04 -0.10 0.00	25.35 -0.05 0.00	26.76 0.13 0.00	27.76 -0.11 0.00	37.67 0.08 0.00	42.28 -0.51 0.00	37.40 -0.30 0.00	32.76 0.55 0.00	30.29 0.62 0.00	29.37 0.61 0.00	28.85 0.65 0.00	29.36 0.58 0.00	30.65 0.66 0.00	32.37 0.85 0.00	37.07 0.80 0.00	43.99 0.09 0.00	39.68 0.20 0.00	37.30 0.00 0.00	33.39 0.69 0.00	31.32 0.65 0.00	28.97 0.57 0.00	28.89 0.95 0.00
V_D_10_SYNC_DSASP 323841	28.49 -0.17 0.00	26.58 -0.13 0.00	26.09 -0.05 0.00	25.35 -0.05 0.00	26.60 -0.03 0.00	27.84 -0.03 0.00	37.67 0.08 0.00	42.67 -0.13 0.00	37.78 0.08 0.00	32.41 0.19 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.42 0.22 0.00	28.99 0.20 0.00	30.20 0.21 0.00	31.77 0.25 0.00	36.46 0.18 0.00	43.64 -0.26 0.00	39.48 0.00 0.00	37.41 0.11 0.00	32.90 0.20 0.00	30.86 0.19 0.00	28.57 0.17 0.00	28.08 0.14 0.00
V_E_10_SYNC_DSASP 323830	30.78 2.12 0.00	28.67 1.95 0.00	27.97 1.83 0.00	27.15 1.75 0.00	28.62 2.00 0.00	30.23 2.37 0.00	41.32 3.72 0.00	47.12 4.32 0.00	41.25 3.54 0.00	34.99 2.77 0.00	32.12 2.46 0.00	31.12 2.36 0.00	30.46 2.26 0.00	31.32 2.53 0.00	32.66 2.67 0.00	34.45 2.93 0.00	39.72 3.45 0.00	48.56 4.65 0.00	43.67 4.18 0.00	40.96 3.66 0.00	35.91 3.21 0.00	33.53 2.85 0.00	30.87 2.47 0.00	30.20 2.26 0.00
V_F_30_NSYNC___DSASP 323816	30.35 1.69 0.00	28.27 1.55 0.00	27.66 1.52 0.00	26.85 1.45 0.00	28.17 1.54 0.00	29.60 1.73 0.00	39.97 2.37 0.00	45.54 2.74 0.00	39.97 2.26 0.00	33.92 1.71 0.00	31.15 1.48 0.00	30.20 1.44 0.00	29.58 1.38 0.00	30.25 1.47 0.00	31.58 1.59 0.00	33.19 1.67 0.00	38.27 1.99 0.00	46.58 2.68 0.00	41.85 2.37 0.00	39.50 2.20 0.00	34.50 1.80 0.00	32.37 1.69 0.00	29.93 1.53 0.00	29.50 1.56 0.00
V_F_30_SYNC_DSASP 323786	29.44 0.77 0.00	27.39 0.67 0.00	26.80 0.65 0.00	26.11 0.71 0.00	27.26 0.64 0.00	28.65 0.78 0.00	38.69 1.09 0.00	44.12 1.33 0.00	38.84 1.13 0.00	32.99 0.77 0.00	30.37 0.71 0.00	29.48 0.72 0.00	28.90 0.70 0.00	29.51 0.72 0.00	30.77 0.78 0.00	32.31 0.79 0.00	37.22 0.94 0.00	45.31 1.40 0.00	40.59 1.11 0.00	38.35 1.04 0.00	33.52 0.82 0.00	31.48 0.80 0.00	29.19 0.80 0.00	28.64 0.70 0.00
V_XM_10_SYNC_DSASP 323789	28.09 -0.57 0.00	26.32 -0.40 0.00	26.04 -0.10 0.00	25.35 -0.05 0.00	26.76 0.13 0.00	27.76 -0.11 0.00	37.67 0.08 0.00	42.28 -0.51 0.00	37.40 -0.30 0.00	32.76 0.55 0.00	30.29 0.62 0.00	29.37 0.61 0.00	28.85 0.65 0.00	29.36 0.58 0.00	30.65 0.66 0.00	32.37 0.85 0.00	37.07 0.80 0.00	43.99 0.09 0.00	39.68 0.20 0.00	37.30 0.00 0.00	33.39 0.69 0.00	31.32 0.65 0.00	28.97 0.57 0.00	28.89 0.95 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	30.30 1.63 0.00	28.16 1.44 0.00	27.50 1.36 0.00	26.74 1.35 0.00	27.98 1.36 0.00	29.34 1.48 0.00	39.93 2.33 0.00	45.71 2.91 0.00	40.16 2.45 0.00	34.15 1.93 0.00	31.35 1.69 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	47.02 3.12 0.00	41.93 2.45 0.00	39.65 2.35 0.00	34.60 1.90 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	30.44 1.78 0.00	28.29 1.58 0.00	27.63 1.49 0.00	26.85 1.45 0.00	28.12 1.49 0.00	29.46 1.59 0.00	40.11 2.52 0.00	46.09 3.30 0.00	40.38 2.68 0.00	34.44 2.22 0.00	31.59 1.93 0.00	30.66 1.90 0.00	30.06 1.86 0.00	30.63 1.84 0.00	31.94 1.95 0.00	33.57 2.05 0.00	38.90 2.61 -0.01	47.38 3.47 -0.01	42.17 2.68 0.00	39.95 2.65 0.00	34.76 2.06 0.00	32.70 2.02 0.00	30.22 1.82 0.00	29.70 1.76 0.00
W50THST__13_KV_LOAD 356117	30.55 1.89 0.00	28.37 1.66 0.00	27.74 1.59 0.00	26.95 1.55 0.00	28.20 1.57 0.00	29.57 1.70 0.00	40.30 2.71 0.00	46.31 3.51 0.00	40.61 2.90 0.00	34.60 2.38 0.00	31.77 2.11 0.00	30.84 2.07 0.00	30.23 2.03 0.00	30.77 1.99 0.00	32.12 2.13 0.00	33.76 2.24 0.00	39.11 2.83 -0.01	47.60 3.69 -0.01	42.37 2.88 0.00	40.14 2.83 0.00	34.89 2.19 0.00	32.83 2.15 0.00	30.33 1.93 0.00	29.81 1.87 0.00
WADING RIVER_IC_1 23522	33.23 2.64 -1.93	29.07 2.35 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.23 2.64 -0.96	34.56 2.87 -3.82	41.92 4.32 0.00	51.09 5.18 -3.11	43.94 4.37 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.78 5.05 -4.83	48.87 4.07 -5.31	47.65 4.10 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.90 2.96 0.00
WADING RIVER_IC_2 23547	33.23 2.64 -1.93	29.07 2.35 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.23 2.64 -0.96	34.56 2.87 -3.82	41.92 4.32 0.00	51.09 5.18 -3.11	43.94 4.37 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.78 5.05 -4.83	48.87 4.07 -5.31	47.65 4.10 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.90 2.96 0.00
WADING RIVER_IC_3 23601	33.23 2.64 -1.93	29.07 2.35 0.00	29.38 2.61 -0.62	29.04 2.54 -1.10	30.23 2.64 -0.96	34.56 2.87 -3.82	41.92 4.32 0.00	51.09 5.18 -3.11	43.94 4.37 -1.86	35.66 3.45 0.00	32.57 2.91 0.00	31.44 2.68 0.00	30.63 2.43 0.00	31.40 2.62 0.00	33.05 3.06 0.00	36.01 3.47 -1.03	41.05 3.66 -1.12	53.78 5.05 -4.83	48.87 4.07 -5.31	47.65 4.10 -6.25	45.22 3.76 -8.76	40.86 3.50 -6.69	31.47 2.98 -0.09	30.90 2.96 0.00



WALDENNY_12_KV_BK2 80841	27.23 -1.43 0.00	25.54 -1.18 0.00	24.94 -1.20 0.00	24.13 -1.27 0.00	25.32 -1.30 0.00	26.81 -1.06 0.00	34.89 -2.71 0.00	38.99 -3.81 0.00	34.46 -3.24 0.00	30.35 -1.87 0.00	28.06 -1.60 0.00	27.21 -1.55 0.00	26.76 -1.44 0.00	27.23 -1.55 0.00	28.13 -1.86 0.00	29.50 -2.02 0.00	33.63 -2.65 0.00	40.74 -3.16 0.00	36.29 -3.20 0.00	34.36 -2.95 0.00	30.90 -1.80 0.00	28.87 -1.81 0.00	26.78 -1.62 0.00	26.76 -1.17 0.00
WALDEN___HYDRO 24148	30.10 1.43 0.00	28.00 1.28 0.00	27.35 1.20 0.00	26.57 1.17 0.00	27.82 1.20 0.00	29.18 1.31 0.00	39.66 2.07 0.00	45.28 2.48 0.00	39.78 2.07 0.00	33.76 1.55 0.00	30.97 1.31 0.00	30.03 1.27 0.00	29.41 1.21 0.00	29.97 1.18 0.00	31.28 1.29 0.00	32.94 1.42 0.00	38.12 1.85 0.00	46.54 2.63 0.00	41.58 2.09 0.00	39.24 1.94 0.00	34.27 1.57 0.00	32.09 1.41 0.00	29.71 1.31 0.00	29.25 1.31 0.00
WARRENSBURG___ 23737	30.52 1.86 0.00	28.45 1.74 0.00	27.90 1.75 0.00	27.07 1.68 0.00	28.44 1.81 0.00	29.93 2.06 0.00	40.49 2.90 0.00	46.05 3.25 0.00	40.42 2.72 0.00	34.15 1.93 0.00	31.23 1.57 0.00	30.32 1.55 0.00	29.64 1.44 0.00	30.37 1.58 0.00	31.73 1.74 0.00	33.35 1.83 0.00	38.45 2.18 0.00	46.89 2.99 0.00	42.17 2.69 0.00	39.76 2.46 0.00	34.70 2.00 0.00	32.55 1.87 0.00	30.05 1.65 0.00	29.75 1.81 0.00
WATERSIDE___6 8 9 23538	30.58 1.92 0.00	28.37 1.66 0.00	27.74 1.59 0.00	26.95 1.55 0.00	28.20 1.57 0.00	29.51 1.64 0.00	40.15 2.56 0.00	46.09 3.30 0.00	40.46 2.75 0.00	34.53 2.32 0.00	31.68 2.02 0.00	30.75 1.98 0.00	30.15 1.95 0.00	30.71 1.93 0.00	32.03 2.04 0.00	33.69 2.17 0.00	39.01 2.72 -0.02	45.16 3.64 2.39	28.92 2.84 13.41	40.05 2.76 0.01	30.41 2.16 4.45	32.56 2.21 0.33	30.39 1.99 0.00	29.84 1.90 -0.01
WATKINRD_115KV_LN8_ILLION 55919	28.81 0.14 0.00	26.82 0.11 0.00	26.25 0.10 0.00	25.53 0.13 0.00	26.76 0.13 0.00	28.06 0.20 0.00	37.93 0.34 0.00	43.22 0.43 0.00	38.05 0.34 0.00	32.47 0.26 0.00	29.90 0.24 0.00	28.97 0.20 0.00	28.40 0.20 0.00	29.02 0.23 0.00	30.26 0.27 0.00	31.80 0.28 0.00	36.64 0.36 0.00	44.48 0.57 0.00	39.96 0.47 0.00	37.71 0.41 0.00	33.03 0.33 0.00	30.99 0.31 0.00	28.66 0.26 0.00	28.16 0.22 0.00
WATSON___69_KV_BK 1 55734	33.43 2.84 -1.93	29.26 2.54 0.00	29.33 2.56 -0.62	28.97 2.46 -1.10	30.15 2.56 -0.96	34.50 2.81 -3.82	41.85 4.25 0.00	51.05 5.14 -3.12	43.94 4.37 -1.86	35.53 3.32 0.00	32.45 2.79 0.00	31.38 2.62 0.00	30.74 2.54 0.00	31.35 2.56 0.00	32.90 2.91 0.00	35.98 3.44 -1.03	41.52 4.14 -1.12	54.26 5.53 -4.83	49.30 4.50 -5.31	47.84 4.29 -6.25	45.06 3.60 -8.76	40.77 3.41 -6.69	31.53 3.04 -0.09	30.79 2.85 0.00
WDELAWARE___HYD 323627	30.04 1.38 0.00	27.95 1.23 0.00	27.24 1.10 0.00	26.47 1.07 0.00	27.74 1.12 0.00	29.04 1.17 0.00	39.55 1.95 0.00	45.06 2.27 0.00	39.52 1.81 0.00	33.57 1.35 0.00	30.70 1.04 0.00	29.74 0.98 0.00	29.10 0.90 0.00	28.90 0.12 0.00	30.17 0.18 0.00	31.83 0.32 0.00	36.89 0.62 0.00	45.13 1.23 0.00	40.39 0.91 0.00	38.09 0.78 0.00	33.19 0.49 0.00	31.91 1.23 0.00	29.51 1.11 0.00	29.08 1.15 0.00
WEST BABYLON___IC 23714	33.26 2.67 -1.93	29.10 2.38 0.00	29.09 2.33 -0.62	28.76 2.26 -1.10	29.93 2.34 -0.96	34.25 2.56 -3.82	41.43 3.83 0.00	50.58 4.66 -3.11	43.52 3.96 -1.86	35.28 3.06 0.00	32.21 2.55 0.00	31.18 2.42 0.00	30.54 2.34 0.00	31.15 2.36 0.00	32.69 2.70 0.00	35.66 3.12 -1.03	41.13 3.74 -1.12	53.74 5.01 -4.83	48.86 4.07 -5.31	47.43 3.88 -6.25	44.67 3.20 -8.76	40.37 3.01 -6.69	31.24 2.75 -0.09	30.56 2.63 0.00
WEST CANADA___HYD 24049	28.84 0.17 0.00	26.85 0.13 0.00	26.28 0.13 0.00	25.53 0.13 0.00	26.76 0.13 0.00	28.01 0.14 0.00	37.86 0.27 0.00	43.14 0.34 0.00	37.97 0.27 0.00	32.38 0.16 0.00	29.81 0.15 0.00	28.91 0.14 0.00	28.34 0.14 0.00	28.93 0.14 0.00	30.14 0.15 0.00	31.71 0.19 0.00	36.49 0.22 0.00	44.30 0.39 0.00	39.76 0.28 0.00	37.57 0.26 0.00	32.87 0.16 0.00	30.83 0.15 0.00	28.54 0.14 0.00	28.05 0.11 0.00
WESTERN_NY_WIND 24143	27.43 -1.23 0.00	25.68 -1.04 0.00	25.05 -1.10 0.00	24.23 -1.17 0.00	25.43 -1.20 0.00	26.92 -0.95 0.00	35.19 -2.41 0.00	39.54 -3.25 0.00	34.99 -2.71 0.00	30.70 -1.51 0.00	28.36 -1.31 0.00	27.44 -1.32 0.00	26.96 -1.24 0.00	27.52 -1.27 0.00	28.46 -1.53 0.00	29.91 -1.61 0.00	34.10 -2.18 0.00	41.31 -2.59 0.00	36.88 -2.61 0.00	34.80 -2.50 0.00	31.30 -1.41 0.00	29.12 -1.56 0.00	26.98 -1.42 0.00	26.82 -1.12 0.00
WESTOVER___LESR 323668	28.69 0.03 0.00	26.80 0.08 0.00	26.20 0.05 0.00	25.42 0.03 0.00	26.65 0.03 0.00	28.01 0.14 0.00	37.60 0.00 0.00	42.63 -0.17 0.00	37.52 -0.19 0.00	32.18 -0.03 0.00	29.63 -0.03 0.00	28.71 -0.06 0.00	28.14 -0.06 0.00	28.76 -0.03 0.00	29.90 -0.09 0.00	31.42 -0.09 0.00	36.16 -0.11 0.00	43.91 0.00 0.00	39.29 -0.20 0.00	37.12 -0.19 0.00	32.74 0.03 0.00	30.65 -0.03 0.00	28.37 -0.03 0.00	27.99 0.06 0.00
WETHRSFD_WT_PWR 323626	27.29 -1.38 0.00	25.57 -1.15 0.00	25.02 -1.12 0.00	24.31 -1.09 0.00	25.56 -1.07 0.00	27.00 -0.86 0.00	35.56 -2.03 0.00	39.76 -3.04 0.00	35.41 -2.30 0.00	30.57 -1.64 0.00	28.24 -1.42 0.00	27.38 -1.38 0.00	27.07 -1.13 0.00	27.43 -1.35 0.00	28.46 -1.53 0.00	29.85 -1.67 0.00	34.06 -2.21 0.00	41.27 -2.63 0.00	36.96 -2.53 0.00	34.88 -2.42 0.00	31.20 -1.50 0.00	29.12 -1.56 0.00	27.15 -1.25 0.00	26.90 -1.03 0.00
WHAVSTOR_138KV_BK127 55557	30.27 1.61 0.00	28.13 1.42 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.96 1.33 0.00	29.32 1.45 0.00	39.85 2.26 0.00	45.71 2.91 0.00	40.12 2.41 0.00	34.15 1.93 0.00	31.32 1.66 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	46.98 3.07 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	30.27 1.61 0.00	28.13 1.42 0.00	27.50 1.36 0.00	26.72 1.32 0.00	27.96 1.33 0.00	29.32 1.45 0.00	39.85 2.26 0.00	45.71 2.91 0.00	40.12 2.41 0.00	34.15 1.93 0.00	31.32 1.66 0.00	30.40 1.64 0.00	29.81 1.61 0.00	30.37 1.58 0.00	31.70 1.71 0.00	33.31 1.80 0.00	38.56 2.29 0.00	46.98 3.07 0.00	41.89 2.41 0.00	39.65 2.35 0.00	34.57 1.86 0.00	32.46 1.78 0.00	29.99 1.59 0.00	29.50 1.56 0.00
WHITEHAL_115KV_TB1 80871	31.07 2.41 0.00	28.94 2.22 0.00	28.31 2.17 0.00	27.53 2.13 0.00	28.94 2.32 0.00	30.54 2.68 0.00	41.43 3.83 0.00	47.08 4.28 0.00	41.33 3.62 0.00	34.82 2.61 0.00	31.83 2.17 0.00	30.89 2.13 0.00	30.23 2.03 0.00	31.03 2.25 0.00	32.42 2.43 0.00	34.04 2.52 0.00	39.28 3.01 0.00	47.94 4.04 0.00	43.12 3.63 0.00	40.62 3.32 0.00	35.45 2.75 0.00	33.23 2.55 0.00	30.64 2.24 0.00	30.28 2.35 0.00



WHITEPLN_13_KV_LOAD 356215	30.50 1.83 0.00	28.35 1.63 0.00	27.71 1.57 0.00	26.92 1.52 0.00	28.17 1.54 0.00	29.51 1.64 0.00	40.23 2.63 0.00	46.18 3.38 0.00	40.57 2.87 0.00	34.53 2.32 0.00	31.68 2.02 0.00	30.75 1.98 0.00	30.12 1.92 0.00	30.71 1.93 0.00	32.06 2.07 0.00	33.72 2.21 0.00	38.99 2.72 0.00	47.55 3.64 0.00	42.45 2.96 0.00	40.14 2.83 0.00	34.93 2.22 0.00	32.77 2.09 0.00	30.27 1.87 0.00	29.78 1.84 0.00
WM_FLOYD_69_KV_BK2 356380	33.26 2.67 -1.93	29.07 2.35 0.00	29.30 2.54 -0.62	28.97 2.46 -1.10	30.15 2.56 -0.96	34.53 2.84 -3.82	41.88 4.29 0.00	51.09 5.18 -3.11	44.01 4.45 -1.86	35.53 3.32 0.00	32.42 2.76 0.00	31.35 2.59 0.00	30.68 2.48 0.00	31.29 2.50 0.00	32.90 2.91 0.00	35.98 3.44 -1.03	41.38 3.99 -1.12	54.13 5.40 -4.83	49.10 4.30 -5.31	47.73 4.18 -6.25	45.13 3.66 -8.76	40.80 3.44 -6.69	31.56 3.07 -0.09	30.81 2.88 0.00
WOODARD__115KV_TB2 355635	28.20 -0.46 0.00	26.32 -0.40 0.00	25.73 -0.42 0.00	24.97 -0.43 0.00	26.17 -0.45 0.00	27.34 -0.53 0.00	36.69 -0.90 0.00	41.81 -0.98 0.00	36.84 -0.87 0.00	31.54 -0.68 0.00	29.04 -0.62 0.00	28.19 -0.58 0.00	27.64 -0.56 0.00	28.21 -0.58 0.00	29.36 -0.63 0.00	30.86 -0.66 0.00	35.44 -0.83 0.00	43.03 -0.88 0.00	38.58 -0.91 0.00	36.41 -0.90 0.00	32.02 -0.69 0.00	30.00 -0.67 0.00	27.80 -0.60 0.00	27.35 -0.59 0.00
YORK___WARBASSE 23770	30.67 2.01 0.00	28.45 1.74 0.00	27.77 1.62 0.00	26.97 1.57 0.00	28.25 1.62 0.00	29.54 1.67 0.00	40.26 2.67 0.00	46.26 3.47 0.00	40.61 2.90 0.00	34.70 2.48 0.00	31.77 2.11 0.00	30.86 2.10 0.00	30.23 2.03 0.00	30.80 2.01 0.00	32.15 2.16 0.00	33.82 2.30 0.00	39.12 2.83 -0.02	64.65 3.86 -16.88	136.41 3.04 -93.88	40.27 2.91 -0.06	66.23 2.35 -31.17	35.43 2.39 -2.36	30.47 2.07 0.00	29.93 1.98 -0.01