

# Day Ahead Market Generator LBMP

Generator Data		--- LBMP \$																		--- Marginal Cost of Losses																		--- Marginal Cost of Congestion																		05/04/2025		
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	42.45	33.39	33.84	32.01	31.75	32.21	30.65	32.21	33.62	37.13	36.00	37.55	38.14	38.94	38.18	40.55	43.36	48.06	50.39	52.92	50.77	43.69	39.04	36.51																																	
		2.52	2.13	2.18	1.93	1.91	1.88	2.11	2.25	2.43	2.81	2.76	2.97	3.15	3.21	3.34	3.45	3.58	3.40	3.93	4.25	3.80	3.43	2.91	2.48																																	
		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	-0.89	-8.84	-1.34	-0.34	-2.31	-0.38	-1.88	-1.75																																	
74TH STREET_GT_1	24260	42.49	33.45	33.90	32.04	31.81	32.25	30.70	32.21	33.66	37.16	36.03	37.58	38.14	38.97	38.18	40.55	43.36	48.07	50.39	52.92	50.78	43.73	39.08	36.58																																	
		2.56	2.19	2.25	1.96	1.97	1.91	2.17	2.25	2.46	2.85	2.79	3.01	3.15	3.25	3.34	3.45	3.58	3.40	3.93	4.25	3.80	3.47	2.95	2.55																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.89	-8.85	-1.34	-0.34	-2.31	-0.38	-1.88	-1.76																																	
74TH STREET_GT_2	24261	42.49	33.45	33.90	32.04	31.81	32.25	30.70	32.21	33.66	37.16	36.03	37.58	38.14	38.97	38.18	40.55	43.36	48.07	50.39	52.92	50.78	43.73	39.08	36.58																																	
		2.56	2.19	2.25	1.96	1.97	1.91	2.17	2.25	2.46	2.85	2.79	3.01	3.15	3.25	3.34	3.45	3.58	3.40	3.93	4.25	3.80	3.47	2.95	2.55																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.89	-8.85	-1.34	-0.34	-2.31	-0.38	-1.88	-1.76																																	
ADK HUDSON__FALLS	24011	42.17	33.01	33.46	31.80	31.48	32.03	30.22	31.67	33.03	36.48	35.30	36.79	37.19	37.97	37.10	39.58	42.59	48.85	51.53	53.38	50.83	43.76	38.81	36.48																																	
		2.24	1.75	1.80	1.71	1.64	1.70	1.68	1.71	1.84	2.16	2.06	2.21	2.20	2.25	2.26	2.49	2.61	2.40	3.11	3.43	3.31	2.87	2.30	2.10																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.09	-10.63	-3.29	-1.62	-2.86	-1.01	-2.26	-2.11																																	
ADK RESOURCE__RCVRY	23798	42.29	33.10	33.55	31.89	31.57	32.12	30.30	31.76	33.13	36.58	35.43	36.89	37.30	38.08	37.21	39.70	42.71	48.96	51.67	53.55	51.05	43.91	38.91	36.61																																	
		2.36	1.84	1.90	1.80	1.73	1.79	1.77	1.80	1.93	2.26	2.19	2.32	2.31	2.36	2.37	2.60	2.72	2.51	3.29	3.63	3.53	3.03	2.40	2.22																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.09	-10.64	-3.25	-1.59	-2.86	-1.00	-2.26	-2.11																																	
ADK S GLENS__FALLS	24028	42.17	33.01	33.46	31.80	31.48	32.03	30.22	31.67	33.03	36.48	35.30	36.79	37.19	37.97	37.10	39.58	42.59	48.85	51.53	53.38	50.83	43.76	38.81	36.48																																	
		2.24	1.75	1.80	1.71	1.64	1.70	1.68	1.71	1.84	2.16	2.06	2.21	2.20	2.25	2.26	2.49	2.61	2.40	3.11	3.43	3.31	2.87	2.30	2.10																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.09	-10.63	-3.29	-1.62	-2.86	-1.01	-2.26	-2.11																																	
ADK_NYS__DAM	23527	42.17	33.10	33.55	31.65	31.39	32.00	30.36	31.88	33.22	36.51	35.30	36.75	37.23	38.01	37.24	39.70	42.77	48.61	52.65	54.23	50.75	44.11	38.78	36.51																																	
		2.23	1.84	1.90	1.56	1.55	1.67	1.83	1.92	2.03	2.20	2.06	2.18	2.24	2.29	2.40	2.60	2.80	2.47	3.29	3.58	3.26	2.91	2.33	2.20																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.07	-10.32	-4.23	-2.32	-2.83	-1.32	-2.19	-2.05																																	
AIR_PRODUCTS__DRP	24190	40.45	31.89	32.29	30.65	30.41	30.91	29.16	30.59	31.88	35.10	33.97	35.37	35.83	36.62	35.81	38.14	40.91	47.02	44.05	47.25	48.31	40.11	37.31	35.10																																	
		0.52	0.63	0.63	0.57	0.57	0.58	0.63	0.63	0.69	0.79	0.73	0.80	0.84	0.89	0.98	1.04	1.01	0.82	1.13	1.26	1.12	1.04	0.86	0.77																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.01	-10.37	2.20	2.34	-2.53	0.80	-2.20	-2.06																																	
AKWESSNE_115KV_BK	355683	39.61	31.07	31.43	29.90	29.54	30.03	28.25	29.66	30.94	34.11	33.01	34.26	34.64	35.36	34.56	36.73	38.58	35.64	44.90	47.90	44.26	39.44	33.81	31.69																																	
		-0.32	-0.19	-0.22	-0.18	-0.30	-0.30	-0.29	-0.30	-0.25	-0.21	-0.23	-0.31	-0.35	-0.36	-0.28	-0.37	-0.31	-0.18	-0.23	-0.43	-0.40	-0.44	-0.45	-0.58																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																																	
ALBANY_1_SOLAR	323833	41.17	32.29	32.76	31.11	30.86	31.37	29.51	30.95	32.19	35.41	34.27	35.68	36.08	36.83	36.02	38.43	41.21	47.23	44.60	47.84	48.95	40.67	37.66	35.43																																	
		1.24	1.03	1.11	1.02	1.02	1.03	0.97	0.99	1.00	1.10	1.03	1.11	1.09	1.11	1.19	1.33	1.32	1.18	1.67	1.84	1.79	1.60	1.23	1.13																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.99	-10.23	2.20	2.33	-2.49	0.80	-2.17	-2.03																																	
ALBANY_2_SOLAR	323834	41.13	32.29	32.76	31.11	30.82	31.33	29.51	30.92	32.19	35.41	34.27	35.65	36.08	36.83	36.02	38.40	41.21	47.23	44.60	47.85	48.90	40.63	37.63	35.43																																	
		1.20	1.03	1.11	1.02	0.98	1.00	0.97	0.96	1.00	1.10	1.03	1.07	1.09	1.11	1.19	1.30	1.32	1.18	1.67	1.84	1.74	1.55	1.20	1.13																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-10.23	2.19	2.32	-2.49	0.80	-2.17	-2.03																																	
ALBANY__1	23571	40.45	31.89	32.29	30.65	30.41	30.91	29.16	30.59	31.88	35.10	33.97	35.37	35.83	36.62	35.81	38.14	40.91	47.02	44.05	47.25	48.31	40.11	37.31	35.10																																	
		0.52	0.63	0.63	0.57	0.57	0.58	0.63	0.63	0.69	0.79	0.73	0.80	0.84	0.89	0.98	1.04	1.01	0.82	1.13	1.26	1.12	1.04	0.86	0.77																																	
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.01	-10.37	2.20	2.34	-2.53	0.80	-2.20	-2.06																																	



ALBANY___2 23572	40.45 0.52 0.00	31.89 0.63 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.58 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	33.97 0.73 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.98 0.00	38.14 1.04 0.00	40.91 1.01 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.26 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
ALBANY___3 23573	40.45 0.52 0.00	31.89 0.63 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.58 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	33.97 0.73 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.98 0.00	38.14 1.04 0.00	40.91 1.01 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.26 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
ALBANY___4 23574	40.45 0.52 0.00	31.89 0.63 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.58 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	33.97 0.73 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.98 0.00	38.14 1.04 0.00	40.91 1.01 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.26 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
ALBANY___LFGE 323615	40.85 0.92 0.00	32.13 0.87 0.00	32.54 0.89 0.00	30.90 0.81 0.00	30.65 0.81 0.00	31.15 0.82 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.13 0.93 0.00	35.38 1.06 0.00	34.27 1.03 0.00	35.71 1.14 0.00	36.14 1.15 0.00	36.94 1.22 0.00	36.13 1.29 0.00	38.47 1.37 0.00	41.31 1.36 -1.06	47.45 1.18 -10.44	48.72 1.54 -2.06	50.76 1.69 -0.74	48.98 1.56 -2.75	41.88 1.40 -0.61	37.64 1.17 -2.22	35.41 1.06 -2.07
ALCOA_PA_115KV_PL-6C 55860	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	30.02 -0.06 0.00	29.66 -0.18 0.00	30.15 -0.18 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.63 -0.21 0.00	36.80 -0.30 0.00	38.70 -0.19 0.00	35.75 -0.07 0.00	45.08 -0.05 0.00	47.90 -0.43 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.95 -0.31 0.00	31.82 -0.45 0.00
ALCOA_RYNLDS___DRP 24188	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	30.02 -0.06 0.00	29.66 -0.18 0.00	30.15 -0.18 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.63 -0.21 0.00	36.80 -0.30 0.00	38.70 -0.19 0.00	35.75 -0.07 0.00	45.08 -0.05 0.00	47.90 -0.43 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.95 -0.31 0.00	31.82 -0.45 0.00
ALCOA___DSASP 323711	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	30.02 -0.06 0.00	29.66 -0.18 0.00	30.15 -0.18 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.63 -0.21 0.00	36.80 -0.30 0.00	38.70 -0.19 0.00	35.75 -0.07 0.00	45.08 -0.05 0.00	47.90 -0.44 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.95 -0.31 0.00	31.82 -0.45 0.00
ALLEGHENY___COGEN 23514	40.97 1.04 0.00	31.35 0.09 0.00	31.59 -0.06 0.00	30.08 0.00 0.00	29.96 0.12 0.00	30.46 0.12 0.00	28.31 -0.23 0.00	29.54 -0.42 0.00	30.35 -0.84 0.00	32.74 -1.58 0.00	31.64 -1.59 0.00	32.77 -1.80 0.00	32.89 -2.10 0.00	33.58 -2.14 0.00	32.75 -2.09 0.00	35.02 -2.08 0.00	36.92 -2.10 -0.13	35.33 -1.79 -1.30	43.69 -1.58 -0.15	47.34 -1.02 -0.02	44.29 -0.72 -0.34	39.36 -0.56 -0.04	34.02 -0.51 -0.28	32.37 -0.16 -0.26
ALTAMONT_115KV_TB 2 55880	40.89 0.96 0.00	32.10 0.84 0.00	32.57 0.92 0.00	30.90 0.81 0.00	30.68 0.84 0.00	31.18 0.85 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.10 0.90 0.00	35.34 1.03 0.00	34.24 1.00 0.00	35.65 1.07 0.00	36.08 1.08 0.00	36.83 1.11 0.00	36.02 1.18 0.00	38.36 1.26 0.00	41.24 1.32 -1.03	47.38 1.18 -10.37	46.08 1.53 0.58	48.81 1.64 1.16	48.79 1.52 -2.61	41.01 1.40 0.27	37.59 1.13 -2.20	35.36 1.03 -2.06
ALTONA_WT_PWR 323606	40.17 0.24 0.00	31.51 0.25 0.00	31.84 0.19 0.00	30.32 0.24 0.00	29.96 0.12 0.00	30.43 0.09 0.00	28.65 0.11 0.00	30.08 0.12 0.00	31.38 0.19 0.00	34.59 0.27 0.00	33.47 0.23 0.00	34.75 0.17 0.00	35.13 0.14 0.00	35.83 0.11 0.00	35.01 0.18 0.00	37.21 0.11 0.00	39.05 0.16 0.00	36.11 0.29 0.00	45.48 0.36 0.00	48.53 0.19 0.00	44.76 0.09 0.00	39.72 -0.16 0.00	33.95 -0.31 0.00	31.72 -0.55 0.00
AMERICAN_REF_FUEL 24010	37.90 -2.04 0.00	29.04 -2.22 0.00	29.44 -2.22 0.00	28.04 -2.05 0.00	27.66 -2.18 0.00	28.12 -2.21 0.00	26.17 -2.37 0.00	27.48 -2.49 0.00	28.23 -2.96 0.00	30.57 -3.74 0.00	29.78 -3.46 0.00	31.12 -3.46 0.00	31.32 -3.67 0.00	32.04 -3.68 0.00	31.04 -3.80 0.00	33.17 -3.93 0.00	34.57 -4.43 -0.12	32.57 -4.41 -1.16	39.51 -5.73 -0.12	42.55 -5.80 -0.02	39.56 -5.41 -0.30	35.49 -4.43 -0.04	30.84 -3.66 -0.25	29.66 -2.84 -0.23
ARKWRIGHT___SUMMIT_WT_PWR 323751	39.09 -0.84 0.00	29.82 -1.44 0.00	29.91 -1.74 0.00	28.49 -1.60 0.00	28.32 -1.52 0.00	28.73 -1.61 0.00	26.71 -1.83 0.00	28.13 -1.83 0.00	28.82 -2.37 0.00	31.26 -3.05 0.00	30.48 -2.76 0.00	31.84 -2.73 0.00	32.02 -2.97 0.00	32.76 -2.96 0.00	31.81 -3.03 0.00	33.98 -3.12 0.00	35.37 -3.66 -0.13	33.54 -3.58 -1.30	40.52 -4.74 -0.14	43.81 -4.55 -0.02	40.58 -4.42 -0.34	36.33 -3.59 -0.04	31.55 -2.98 -0.28	30.11 -2.42 -0.26
ARTHUR KILL_GT_1 23520	56.98 2.76 -14.29	48.85 2.41 -15.19	33.99 2.31 -0.02	32.21 2.11 -0.02	32.00 2.15 -0.01	32.40 2.06 -0.01	30.82 2.28 0.00	32.21 2.25 0.00	33.52 2.31 -0.02	39.73 2.54 -2.88	44.23 2.49 -8.50	45.33 2.73 -8.03	45.89 2.90 -8.00	45.86 2.96 -7.17	45.89 3.07 -7.98	45.85 3.12 -5.64	45.83 3.23 -3.71	49.37 3.19 -10.36	50.11 3.65 -1.34	52.62 3.96 -0.33	50.54 3.57 -2.30	45.23 3.11 -2.24	38.83 2.67 -1.90	36.53 2.48 -1.78
ARTHUR_KILL_2 23512	56.90 2.68 -14.29	48.76 2.31 -15.19	33.92 2.25 -0.02	32.18 2.07 -0.02	31.94 2.09 -0.01	32.31 1.97 -0.01	30.73 2.20 0.00	32.12 2.16 0.00	33.46 2.25 -0.02	39.70 2.50 -2.88	44.20 2.46 -8.50	45.23 2.63 -8.03	45.75 2.76 -8.00	45.75 2.86 -7.17	45.75 2.93 -7.98	45.74 3.00 -5.64	45.75 3.15 -3.71	49.26 3.08 -10.36	50.02 3.56 -1.34	52.48 3.82 -0.33	50.41 3.44 -2.30	45.23 3.11 -2.24	38.83 2.67 -1.90	36.44 2.39 -1.78
ARTHUR_KILL_3 23513	56.38 2.15 -14.29	48.30 1.84 -15.19	33.63 1.96 -0.01	31.81 1.71 -0.01	31.54 1.70 0.00	31.97 1.64 0.00	30.45 1.91 0.00	31.97 2.01 0.00	33.42 2.21 -0.02	39.79 2.61 -2.87	44.32 2.59 -8.49	45.36 2.77 -8.02	45.88 2.90 -7.99	45.88 3.00 -7.16	45.91 3.10 -7.98	45.95 3.23 -5.63	45.94 3.35 -3.70	49.28 3.11 -10.34	50.03 3.56 -1.34	52.49 3.82 -0.34	50.37 3.39 -2.31	45.30 3.19 -2.23	38.82 2.67 -1.89	36.33 2.29 -1.77



ARTHUR_KILL_COGEN 323718	56.98 2.75 -14.29	48.85 2.41 -15.19	33.99 2.31 -0.02	32.27 2.17 -0.02	32.03 2.18 -0.01	32.41 2.06 -0.01	30.82 2.28 0.00	32.21 2.25 0.00	33.52 2.31 -0.02	39.77 2.57 -2.88	44.26 2.52 -8.50	45.30 2.70 -8.03	45.86 2.87 -8.00	45.82 2.93 -7.17	45.85 3.03 -7.98	45.85 3.12 -5.64	45.83 3.23 -3.71	49.37 3.19 -10.36	50.16 3.70 -1.34	52.63 3.96 -0.33	50.55 3.57 -2.30	45.35 3.23 -2.24	38.90 2.74 -1.90	36.50 2.45 -1.78
ASHOKAN____ 23654	41.85 1.92 0.00	32.85 1.59 0.00	33.20 1.55 0.00	31.50 1.41 0.00	31.30 1.46 0.00	31.64 1.30 0.00	29.85 1.31 0.00	31.46 1.50 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.74 1.50 0.00	36.13 1.56 0.00	36.57 1.58 0.00	37.22 1.50 0.00	36.44 1.60 0.00	38.84 1.74 0.00	41.32 1.48 -0.95	46.16 0.68 -9.66	46.83 3.11 1.40	50.15 3.53 1.71	50.40 3.35 -2.39	42.18 2.83 0.53	36.92 0.62 -2.05	34.70 0.51 -1.92
ASTORIA_EAST_ENERGY_CC1 323581	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.92 1.84 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.90 1.95 0.01	33.33 2.15 0.01	36.81 2.50 0.01	35.73 2.49 0.01	37.26 2.70 0.01	37.82 2.83 0.01	38.61 2.89 0.01	37.79 2.96 0.01	40.17 3.08 0.01	42.97 3.19 -0.89	47.70 3.04 -8.84	49.98 3.52 -1.34	52.38 3.72 -0.33	50.32 3.35 -2.30	43.24 2.99 -0.37	38.63 2.50 -1.88	36.25 2.22 -1.76
ASTORIA_EAST_ENERGY_CC2 323582	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.92 1.84 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.90 1.95 0.01	33.33 2.15 0.01	36.81 2.50 0.01	35.73 2.49 0.01	37.26 2.70 0.01	37.82 2.83 0.01	38.61 2.89 0.01	37.79 2.96 0.01	40.17 3.08 0.01	42.97 3.19 -0.89	47.70 3.04 -8.84	49.98 3.52 -1.34	52.38 3.72 -0.33	50.32 3.35 -2.30	43.24 2.99 -0.37	38.63 2.50 -1.88	36.25 2.22 -1.76
ASTORIA_GT2_1 24094	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT2_2 24095	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT2_3 24096	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT2_4 24097	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT3_1 24098	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT3_2 24099	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT3_3 24100	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT3_4 24101	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT4_1 24102	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT4_2 24103	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT4_3 24104	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76



ASTORIA_GT4_4 24105	42.41 2.48 0.00	33.30 2.03 -0.01	33.74 2.09 0.00	31.89 1.80 0.00	31.63 1.79 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.91 1.95 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.73 2.49 0.00	37.27 2.70 0.00	37.82 2.83 0.00	38.65 2.93 0.00	37.84 3.00 0.00	40.14 3.04 0.00	42.97 3.19 -0.89	47.75 3.08 -8.85	49.99 3.52 -1.34	52.44 3.77 -0.34	50.37 3.39 -2.31	43.25 2.99 -0.38	38.63 2.50 -1.88	36.25 2.23 -1.76
ASTORIA_GT_1 23523	42.45 2.52 0.00	33.36 2.09 -0.01	33.81 2.15 0.00	31.95 1.87 0.00	31.69 1.85 0.00	31.94 1.61 0.00	30.50 1.97 0.00	31.97 2.01 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.91 3.07 0.00	40.22 3.12 0.00	43.05 3.27 -0.89	47.78 3.12 -8.85	50.08 3.61 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.70 2.57 -1.88	36.32 2.29 -1.76
ASTORIA_GT_10 24110	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.89 3.22 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
ASTORIA_GT_11 24225	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.89 3.22 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
ASTORIA_GT_12 24226	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.89 3.22 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
ASTORIA_GT_13 24227	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.89 3.22 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
ASTORIA_GT_5 24106	42.45 2.52 0.00	33.36 2.09 -0.01	33.81 2.15 0.00	31.95 1.87 0.00	31.69 1.85 0.00	31.94 1.61 0.00	30.50 1.97 0.00	31.97 2.01 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.91 3.07 0.00	40.22 3.12 0.00	43.05 3.27 -0.89	47.78 3.12 -8.85	50.08 3.61 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.70 2.57 -1.88	36.32 2.29 -1.76
ASTORIA_GT_7 24107	42.45 2.52 0.00	33.36 2.09 -0.01	33.81 2.15 0.00	31.95 1.87 0.00	31.69 1.85 0.00	31.94 1.61 0.00	30.50 1.97 0.00	31.97 2.01 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.91 3.07 0.00	40.22 3.12 0.00	43.05 3.27 -0.89	47.78 3.12 -8.85	50.08 3.61 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.70 2.57 -1.88	36.32 2.29 -1.76
ASTORIA_GT_8 24108	42.45 2.52 0.00	33.36 2.09 -0.01	33.81 2.15 0.00	31.95 1.87 0.00	31.69 1.85 0.00	31.94 1.61 0.00	30.50 1.97 0.00	31.97 2.01 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.91 3.07 0.00	40.22 3.12 0.00	43.05 3.27 -0.89	47.78 3.12 -8.85	50.08 3.61 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.70 2.57 -1.88	36.32 2.29 -1.76
ASTORIA___2 24149	42.41 2.48 0.00	33.30 2.03 -0.01	33.77 2.12 0.00	31.92 1.84 0.00	31.66 1.82 0.00	31.88 1.55 0.00	30.45 1.91 0.00	31.90 1.95 0.01	33.33 2.15 0.01	36.85 2.54 0.01	35.76 2.52 0.01	37.26 2.70 0.01	37.82 2.83 0.01	38.64 2.93 0.01	37.83 3.00 0.01	40.17 3.08 0.01	43.00 3.23 -0.89	47.74 3.08 -8.84	49.98 3.52 -1.34	52.43 3.77 -0.33	50.36 3.39 -2.30	43.28 3.03 -0.37	38.67 2.53 -1.88	36.25 2.22 -1.76
ASTORIA___3 23516	42.45 2.52 0.00	33.42 2.16 -0.01	33.84 2.18 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.93 2.69 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.79 3.07 0.00	37.98 3.14 0.00	40.36 3.27 0.00	43.17 3.38 -0.89	47.89 3.23 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.88 2.74 -1.88	36.41 2.39 -1.76
ASTORIA___4 23517	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.89 3.22 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
ASTORIA___5 23518	42.45 2.52 0.00	33.42 2.16 -0.01	33.84 2.18 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.93 2.69 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.79 3.07 0.00	37.98 3.14 0.00	40.36 3.27 0.00	43.17 3.38 -0.89	47.89 3.23 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.88 2.74 -1.88	36.41 2.39 -1.76
AST_ENERGY_2_CC3 323677	38.63 2.32 3.62	33.23 1.97 0.00	33.68 2.03 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.03 2.07 0.00	33.41 2.21 0.00	35.92 2.57 0.97	34.92 2.59 0.91	34.92 2.77 2.42	34.92 2.90 2.97	35.55 2.96 3.14	34.92 3.10 3.02	34.92 3.19 5.37	40.09 3.30 2.11	39.93 3.11 -1.00	36.32 3.61 12.41	38.31 3.91 13.94	36.88 3.44 11.22	37.87 3.19 5.20	34.92 2.71 2.04	34.92 2.32 -0.32
AST_ENERGY_2_CC4 323678	38.63 2.32 3.62	33.23 1.97 0.00	33.68 2.03 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.03 2.07 0.00	33.41 2.21 0.00	35.92 2.57 0.97	34.92 2.59 0.91	34.92 2.77 2.42	34.92 2.90 2.97	35.55 2.96 3.14	34.92 3.10 3.02	34.92 3.19 5.37	40.09 3.30 2.11	39.93 3.11 -1.00	36.32 3.61 12.41	38.31 3.91 13.94	36.88 3.44 11.22	37.87 3.19 5.20	34.92 2.71 2.04	34.92 2.32 -0.32



ATHENS_STG_1 23668	41.09 1.16 0.00	32.26 1.00 0.00	32.73 1.08 0.00	31.07 0.99 0.00	30.82 0.98 0.00	31.33 1.00 0.00	29.53 1.00 0.00	31.01 1.05 0.00	32.31 1.12 0.00	35.58 1.27 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.39 1.40 0.00	37.15 1.43 0.00	36.37 1.53 0.00	38.73 1.63 0.00	41.51 1.67 -0.95	46.78 1.54 -9.42	48.17 1.89 -1.16	50.52 2.03 -0.16	48.95 1.83 -2.45	41.87 1.67 -0.31	37.63 1.37 -2.00	35.37 1.23 -1.87
ATHENS_STG_2 23670	41.09 1.16 0.00	32.26 1.00 0.00	32.73 1.08 0.00	31.07 0.99 0.00	30.82 0.98 0.00	31.33 1.00 0.00	29.53 1.00 0.00	31.01 1.05 0.00	32.31 1.12 0.00	35.58 1.27 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.39 1.40 0.00	37.15 1.43 0.00	36.37 1.53 0.00	38.73 1.63 0.00	41.51 1.67 -0.95	46.78 1.54 -9.42	48.17 1.89 -1.16	50.52 2.03 -0.16	48.95 1.83 -2.45	41.87 1.67 -0.31	37.63 1.37 -2.00	35.37 1.23 -1.87
ATHENS_STG_3 23677	41.09 1.16 0.00	32.26 1.00 0.00	32.73 1.08 0.00	31.07 0.99 0.00	30.82 0.98 0.00	31.33 1.00 0.00	29.53 1.00 0.00	31.01 1.05 0.00	32.31 1.12 0.00	35.58 1.27 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.39 1.40 0.00	37.15 1.43 0.00	36.37 1.53 0.00	38.73 1.63 0.00	41.51 1.67 -0.95	46.78 1.54 -9.42	48.17 1.89 -1.16	50.52 2.03 -0.16	48.95 1.83 -2.45	41.87 1.67 -0.31	37.63 1.37 -2.00	35.37 1.23 -1.87
AUBURN___LFGE 323710	39.85 -0.08 0.00	31.01 -0.25 0.00	31.34 -0.32 0.00	29.84 -0.24 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.88 -0.31 0.00	33.90 -0.41 0.00	32.87 -0.37 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.36 -0.62 -0.10	36.20 -0.57 -0.95	44.65 -0.59 -0.12	47.82 -0.53 -0.02	44.42 -0.49 -0.25	39.47 -0.44 -0.03	34.11 -0.34 -0.20	32.23 -0.23 -0.19
BABYLON_RES_REC 323704	43.13 3.20 0.00	33.82 2.56 0.00	34.12 2.47 0.00	32.13 2.05 0.00	32.05 2.21 0.00	32.40 2.06 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.09 2.90 0.00	37.54 3.22 0.00	36.92 3.06 -0.63	38.41 3.18 -0.65	38.93 3.33 -0.61	39.89 3.40 -0.77	40.66 3.48 -2.33	42.87 3.60 -2.17	45.83 3.70 -3.24	49.61 3.51 -10.28	55.09 4.33 -5.63	58.11 4.74 -5.04	58.97 4.25 -10.06	48.03 3.87 -4.29	40.23 3.60 -2.38	37.30 3.26 -1.77
BALL_HILL_WT_PWR 323825	38.85 -1.08 0.00	29.76 -1.50 0.00	29.91 -1.74 0.00	28.49 -1.60 0.00	28.32 -1.52 0.00	28.76 -1.58 0.00	26.77 -1.77 0.00	28.19 -1.77 0.00	28.95 -2.25 0.00	31.40 -2.92 0.00	30.61 -2.63 0.00	31.94 -2.63 0.00	32.16 -2.83 0.00	32.90 -2.82 0.00	31.91 -2.93 0.00	34.10 -3.00 0.00	35.44 -3.58 -0.13	33.58 -3.51 -1.27	40.61 -4.65 -0.13	43.81 -4.55 -0.02	40.62 -4.38 -0.33	36.37 -3.55 -0.04	31.61 -2.91 -0.27	30.20 -2.32 -0.25
BARON_WINDS___WT_PWR 323822	39.37 -0.56 0.00	30.39 -0.88 0.00	30.61 -1.04 0.00	29.18 -0.90 0.00	28.97 -0.87 0.00	29.42 -0.91 0.00	27.45 -1.08 0.00	28.88 -1.08 0.00	29.82 -1.37 0.00	32.49 -1.82 0.00	31.61 -1.63 0.00	32.88 -1.69 0.00	33.10 -1.89 0.00	33.86 -1.86 0.00	32.92 -1.92 0.00	35.17 -1.93 0.00	36.80 -2.26 -0.17	35.30 -2.19 -1.66	42.52 -2.80 -0.19	45.65 -2.71 -0.03	42.46 -2.64 -0.43	37.78 -2.15 -0.06	32.79 -1.82 -0.35	31.08 -1.52 -0.33
BARRETT_IC_1 23704	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_10 23701	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	47.63 3.07 -9.72	49.27 3.12 -9.05	52.73 3.19 -10.65	53.55 2.97 -14.76	67.83 3.47 -19.23	72.04 3.77 -19.94	67.23 3.31 -19.26	59.63 3.07 -16.68	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_11 23702	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	47.63 3.07 -9.72	49.27 3.12 -9.05	52.73 3.19 -10.65	53.55 2.97 -14.76	67.83 3.47 -19.23	72.04 3.77 -19.94	67.23 3.31 -19.26	59.63 3.07 -16.68	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_12 23703	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	47.63 3.07 -9.72	49.27 3.12 -9.05	52.73 3.19 -10.65	53.55 2.97 -14.76	67.83 3.47 -19.23	72.04 3.77 -19.94	67.23 3.31 -19.26	59.63 3.07 -16.68	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_2 23705	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_3 23706	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_4 23707	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_5 23708	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82



BARRETT_IC_6 23709	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_7 23710	42.77 2.84 0.00	33.64 2.38 0.00	33.96 2.31 0.00	32.01 1.93 0.00	31.87 2.03 0.00	32.21 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.99 0.00	43.18 2.69 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.41 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_8 23711	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT_IC_9 23700	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	47.63 3.07 -9.72	49.27 3.12 -9.05	52.73 3.19 -10.65	53.55 2.97 -14.76	67.83 3.47 -19.23	72.04 3.77 -19.94	67.23 3.31 -19.26	59.63 3.07 -16.68	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT___1 23545	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	66.42 3.07 -28.51	66.76 3.12 -26.54	71.57 3.19 -29.49	64.93 2.97 -26.13	102.38 3.47 -53.78	109.91 3.77 -57.81	91.12 3.31 -43.15	91.12 3.07 -48.17	44.94 3.05 -7.64	36.93 2.84 -1.82
BARRETT___2 23546	42.84 2.91 0.00	33.64 2.37 0.00	33.96 2.31 0.00	32.04 1.95 0.00	31.87 2.03 0.00	32.22 1.88 0.00	30.76 2.23 0.00	32.27 2.31 0.00	33.84 2.65 0.00	37.30 2.98 0.00	43.21 2.73 -7.24	44.94 2.84 -7.53	44.94 2.94 -7.01	47.63 3.00 -8.91	47.63 3.07 -9.72	49.27 3.12 -9.05	52.73 3.19 -10.65	53.55 2.97 -14.76	67.83 3.47 -19.23	72.04 3.77 -19.94	67.23 3.31 -19.26	59.63 3.07 -16.68	44.94 3.05 -7.64	36.93 2.84 -1.82
BATAVIA___115KV_TB1 55881	39.53 -0.40 0.00	30.17 -1.09 0.00	30.36 -1.30 0.00	29.00 -1.08 0.00	28.89 -0.95 0.00	29.27 -1.06 0.00	27.22 -1.31 0.00	28.49 -1.47 0.00	29.45 -1.75 0.00	31.88 -2.44 0.00	31.08 -2.16 0.00	32.40 -2.18 0.00	32.58 -2.41 0.00	33.33 -2.39 0.00	32.23 -2.61 0.00	34.43 -2.67 0.00	36.04 -2.96 -0.11	33.99 -2.90 -1.07	41.68 -3.56 -0.12	44.82 -3.53 -0.02	41.73 -3.22 -0.28	37.32 -2.59 -0.04	32.32 -2.16 -0.23	30.97 -1.52 -0.21
BAYONEEC___CTG1 323682	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG10 323750	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG2 323683	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG3 323684	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG4 323685	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG5 323686	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG6 323687	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG7 323688	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76



BAYONEEC___CTG8 323689	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BAYONEEC___CTG9 323749	56.54 2.32 -14.29	48.45 2.00 -15.18	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 -0.01	37.40 2.64 -0.44	37.20 2.66 -1.30	38.64 2.84 -1.23	39.19 2.97 -1.23	39.86 3.03 -1.10	39.24 3.17 -1.23	41.23 3.27 -0.87	43.60 3.38 -1.33	48.08 3.19 -9.07	50.17 3.70 -1.34	52.63 3.96 -0.34	50.50 3.53 -2.31	43.82 3.27 -0.67	38.91 2.77 -1.89	36.39 2.35 -1.76
BEACON___LESR 323632	41.05 1.12 0.00	32.26 1.00 0.00	32.70 1.04 0.00	31.05 0.96 0.00	30.79 0.95 0.00	31.30 0.97 0.00	29.53 1.00 0.00	30.98 1.02 0.00	32.31 1.12 0.00	35.58 1.27 0.00	34.47 1.23 0.00	35.89 1.31 0.00	36.35 1.36 0.00	37.11 1.39 0.00	36.30 1.46 0.00	38.66 1.56 0.00	41.42 1.56 -0.97	47.55 1.36 -10.36	41.50 1.81 5.42	45.64 1.98 4.67	48.87 1.83 -2.37	39.64 1.64 1.87	37.83 1.37 -2.20	35.55 1.23 -2.06
BEAVER RIVER___HYD 24048	39.21 -0.72 0.00	30.67 -0.59 0.00	30.96 -0.70 0.00	29.51 -0.57 0.00	29.33 -0.51 0.00	29.94 -0.40 0.00	27.96 -0.57 0.00	29.30 -0.66 0.00	30.44 -0.75 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.91 -1.08 0.00	34.51 -1.21 0.00	33.44 -1.39 0.00	35.69 -1.41 0.00	37.56 -1.36 -0.03	35.03 -1.07 -0.28	44.21 -0.95 -0.03	47.47 -0.87 0.00	44.11 -0.63 -0.07	39.21 -0.68 -0.01	33.46 -0.86 -0.06	31.46 -0.87 -0.06
BEEBEE_GT_13 23619	39.45 -0.48 0.00	30.39 -0.88 0.00	30.64 -1.01 0.00	29.24 -0.84 0.00	29.06 -0.78 0.00	29.48 -0.85 0.00	27.54 -1.00 0.00	28.85 -1.11 0.00	29.94 -1.25 0.00	32.63 -1.68 0.00	31.78 -1.46 0.00	33.09 -1.49 0.00	33.42 -1.57 0.00	34.15 -1.57 0.00	33.03 -1.81 0.00	35.24 -1.85 0.00	37.00 -1.98 -0.09	34.81 -1.93 -0.92	42.85 -2.39 -0.12	45.88 -2.46 -0.02	42.67 -2.23 -0.24	38.07 -1.83 -0.03	32.94 -1.51 -0.20	31.42 -1.03 -0.18
BENSHRST_27_KV_BENSHRST_1 355998	57.14 2.91 -14.29	48.92 2.47 -15.19	34.11 2.44 -0.02	32.30 2.20 -0.02	32.06 2.21 -0.01	32.44 2.09 -0.01	30.87 2.34 0.00	32.33 2.37 0.00	33.77 2.56 -0.02	41.65 2.92 -4.42	49.18 2.86 -13.08	50.04 3.11 -12.36	50.59 3.29 -12.31	50.11 3.36 -11.03	50.58 3.45 -12.29	49.29 3.52 -8.67	47.77 3.66 -5.22	50.53 3.55 -11.16	50.57 4.11 -1.34	53.12 4.45 -0.34	51.00 4.02 -2.31	46.62 3.51 -3.23	39.14 2.98 -1.90	36.73 2.68 -1.78
BETHLEHEM___GRP 23843	40.45 0.52 0.00	31.89 0.63 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.58 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	33.97 0.73 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.98 0.00	38.14 1.04 0.00	40.91 1.01 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.26 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
BETHLEHEM___GS1 323560	40.49 0.56 0.00	31.89 0.62 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.57 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	34.00 0.77 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.97 0.00	38.14 1.04 0.00	40.87 0.97 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.25 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
BETHLEHEM___GS2 323561	40.49 0.56 0.00	31.89 0.62 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.57 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	34.00 0.77 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.97 0.00	38.14 1.04 0.00	40.87 0.97 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.25 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
BETHLEHEM___GS3 323562	40.49 0.56 0.00	31.89 0.62 0.00	32.29 0.63 0.00	30.65 0.57 0.00	30.41 0.57 0.00	30.91 0.57 0.00	29.16 0.63 0.00	30.59 0.63 0.00	31.88 0.69 0.00	35.10 0.79 0.00	34.00 0.77 0.00	35.37 0.80 0.00	35.83 0.84 0.00	36.62 0.89 0.00	35.81 0.97 0.00	38.14 1.04 0.00	40.87 0.97 -1.01	47.02 0.82 -10.37	44.05 1.13 2.20	47.25 1.25 2.34	48.31 1.12 -2.53	40.11 1.04 0.80	37.31 0.86 -2.20	35.10 0.77 -2.06
BETHLEHEM___STEEL 23779	38.85 -1.08 0.00	29.67 -1.59 0.00	29.82 -1.84 0.00	28.46 -1.62 0.00	28.32 -1.52 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.85 -2.34 0.00	31.29 -3.02 0.00	30.58 -2.66 0.00	31.91 -2.66 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.36 -3.66 -0.13	33.37 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.78 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.47 -3.05 -0.26	30.13 -2.39 -0.25
BETHLHEM_115KV_TB1 79974	40.53 0.60 0.00	31.92 0.66 0.00	32.35 0.70 0.00	30.68 0.60 0.00	30.47 0.63 0.00	30.97 0.64 0.00	29.22 0.68 0.00	30.65 0.69 0.00	31.94 0.75 0.00	35.14 0.82 0.00	34.04 0.80 0.00	35.44 0.86 0.00	35.90 0.91 0.00	36.65 0.93 0.00	35.85 1.01 0.00	38.17 1.08 0.00	40.95 1.05 -1.01	47.08 0.90 -10.37	44.34 1.22 2.00	47.45 1.30 2.19	48.41 1.21 -2.54	40.22 1.08 0.74	37.38 0.92 -2.20	35.13 0.81 -2.06
BETHPAGE_CC_5 323564	43.01 3.07 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.13 2.05 0.00	31.99 2.15 0.00	32.34 2.00 0.00	30.88 2.34 0.00	32.42 2.46 0.00	34.00 2.81 0.00	37.44 3.12 0.00	36.96 2.96 -0.77	38.48 3.11 -0.80	38.95 3.22 -0.74	39.95 3.28 -0.94	40.70 3.38 -2.48	42.90 3.49 -2.31	45.82 3.54 -3.39	49.52 3.33 -10.37	55.04 4.01 -5.91	58.02 4.35 -5.33	59.10 3.88 -10.55	48.01 3.59 -4.54	40.14 3.39 -2.50	37.11 3.07 -1.77
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	38.81 -1.12 0.00	29.64 -1.63 0.00	29.79 -1.87 0.00	28.43 -1.65 0.00	28.29 -1.55 0.00	28.67 -1.67 0.00	26.68 -1.85 0.00	28.07 -1.89 0.00	28.85 -2.34 0.00	31.29 -3.02 0.00	30.58 -2.66 0.00	31.88 -2.70 0.00	32.05 -2.94 0.00	32.83 -2.89 0.00	31.81 -3.03 0.00	33.95 -3.15 0.00	35.28 -3.73 -0.13	33.35 -3.73 -1.26	40.34 -4.92 -0.13	43.47 -4.88 -0.02	40.35 -4.65 -0.33	36.17 -3.75 -0.04	31.40 -3.12 -0.27	30.07 -2.45 -0.25
BINGHAMTON___COGEN 23790	39.89 -0.04 0.00	31.07 -0.19 0.00	31.40 -0.25 0.00	29.93 -0.15 0.00	29.72 -0.12 0.00	30.18 -0.15 0.00	28.28 -0.26 0.00	29.75 -0.21 0.00	30.85 -0.34 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.46 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.63 -0.61 -2.42	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.63 -0.67 -0.63	39.40 -0.56 -0.08	34.29 -0.48 -0.51	32.40 -0.35 -0.48



BIXINCNT_115KV_LOAD 355685	38.57 -1.36 0.00	29.39 -1.88 0.00	29.41 -2.25 0.00	28.07 -2.02 0.00	28.02 -1.82 0.00	28.33 -2.00 0.00	26.31 -2.23 0.00	27.83 -2.13 0.00	28.60 -2.59 0.00	31.09 -3.23 0.00	30.31 -2.93 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.47 -3.25 0.00	31.42 -3.41 0.00	33.54 -3.56 0.00	34.75 -4.28 -0.13	33.03 -4.12 -1.33	39.85 -5.41 -0.14	43.04 -5.32 -0.02	39.83 -5.18 -0.35	35.66 -4.27 -0.04	30.97 -3.56 -0.28	29.63 -2.90 -0.26
BLACK RIVER___HYD 24047	39.45 -0.48 0.00	30.79 -0.47 0.00	31.05 -0.60 0.00	29.63 -0.45 0.00	29.48 -0.36 0.00	30.15 -0.18 0.00	28.05 -0.49 0.00	29.39 -0.57 0.00	30.48 -0.72 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.87 -1.12 0.00	34.44 -1.28 0.00	33.44 -1.39 0.00	35.73 -1.37 0.00	37.68 -1.25 -0.04	35.25 -0.97 -0.39	44.49 -0.68 -0.05	47.95 -0.39 -0.01	44.59 -0.18 -0.10	39.61 -0.28 -0.01	33.82 -0.51 -0.08	31.83 -0.52 -0.08
BLACKRVR_115KV_TB2 79977	39.45 -0.48 0.00	30.79 -0.47 0.00	31.05 -0.60 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	30.15 -0.18 0.00	28.05 -0.49 0.00	29.39 -0.57 0.00	30.47 -0.72 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.87 -1.12 0.00	34.44 -1.29 0.00	33.45 -1.39 0.00	35.73 -1.37 0.00	37.69 -1.24 -0.04	35.24 -0.97 -0.39	44.49 -0.68 -0.05	47.95 -0.39 -0.01	44.59 -0.18 -0.10	39.61 -0.28 -0.01	33.82 -0.51 -0.08	31.83 -0.52 -0.08
BLDWN_LI_69_KV_BK4 356085	42.93 2.99 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.10 2.02 0.00	31.96 2.12 0.00	32.34 2.00 0.00	30.85 2.31 0.00	32.39 2.43 0.00	33.97 2.78 0.00	37.44 3.12 0.00	38.55 2.93 -2.39	40.13 3.08 -2.48	40.52 3.22 -2.31	41.91 3.25 -2.94	47.08 3.34 -8.89	48.83 3.45 -8.28	52.25 3.54 -9.82	53.41 3.33 -14.25	66.79 3.97 -17.70	70.94 4.35 -18.26	67.93 3.89 -19.37	58.71 3.55 -15.28	41.36 3.32 -3.78	37.12 3.07 -1.79
BLISS_WT_PWR 323608	38.41 -1.52 0.00	29.32 -1.94 0.00	29.31 -2.34 0.00	27.95 -2.14 0.00	27.84 -2.00 0.00	28.21 -2.12 0.00	26.20 -2.34 0.00	27.71 -2.25 0.00	28.51 -2.68 0.00	30.99 -3.33 0.00	30.15 -3.09 0.00	31.39 -3.18 0.00	31.60 -3.39 0.00	32.36 -3.36 0.00	31.29 -3.55 0.00	33.39 -3.71 0.00	34.59 -4.43 -0.13	32.89 -4.26 -1.33	39.67 -5.60 -0.14	42.84 -5.51 -0.02	39.65 -5.36 -0.35	35.46 -4.47 -0.04	30.87 -3.66 -0.28	29.53 -3.00 -0.26
BLUESTONE___WT_PWR 323821	41.45 1.52 0.00	32.32 1.06 0.00	32.64 0.98 0.00	31.16 1.08 0.00	30.97 1.13 0.00	31.64 1.30 0.00	29.45 0.91 0.00	30.95 0.99 0.00	32.13 0.93 0.00	35.24 0.93 0.00	34.27 1.03 0.00	35.54 0.97 0.00	35.94 0.95 0.00	36.54 0.82 0.00	35.81 0.97 0.00	38.25 1.15 0.00	40.32 1.17 -0.26	39.45 1.04 -2.59	46.84 1.40 -0.31	50.02 1.64 -0.04	46.81 1.47 -0.67	41.24 1.28 -0.09	35.69 0.89 -0.55	33.69 0.90 -0.51
BLUE_CIRC_CHEM_DRP 24182	40.89 0.96 0.00	32.14 0.88 0.00	32.57 0.92 0.00	30.96 0.87 0.00	30.71 0.87 0.00	31.21 0.88 0.00	29.39 0.86 0.00	30.80 0.84 0.00	32.07 0.87 0.00	35.31 1.00 0.00	34.17 0.93 0.00	35.58 1.00 0.00	36.01 1.01 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.32 1.22 0.00	41.13 1.24 -1.00	47.15 1.07 -10.25	44.54 1.44 2.03	47.68 1.55 2.20	48.65 1.47 -2.51	40.49 1.36 0.74	37.49 1.06 -2.18	35.30 1.00 -2.03
BOC_GAS_DRP 24189	40.73 0.80 0.00	32.01 0.75 0.00	32.44 0.79 0.00	30.81 0.72 0.00	30.59 0.75 0.00	31.09 0.76 0.00	29.28 0.74 0.00	30.74 0.78 0.00	32.03 0.84 0.00	35.24 0.93 0.00	34.14 0.90 0.00	35.54 0.97 0.00	36.01 1.01 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.29 1.19 0.00	41.12 1.21 -1.02	47.23 1.07 -10.34	45.62 1.35 0.86	48.47 1.50 1.36	48.59 1.34 -2.58	40.76 1.24 0.36	37.44 0.99 -2.20	35.23 0.90 -2.05
BOONVILLE_115KV_TB1 79983	40.17 0.24 0.00	31.39 0.13 0.00	31.75 0.09 0.00	30.23 0.15 0.00	30.02 0.18 0.00	30.64 0.30 0.00	28.68 0.14 0.00	30.08 0.12 0.00	31.29 0.09 0.00	34.38 0.07 0.00	33.31 0.07 0.00	34.57 0.00 0.00	35.03 0.03 0.00	35.65 -0.07 0.00	34.70 -0.14 0.00	36.99 -0.11 0.00	38.88 -0.04 -0.02	36.06 0.00 -0.24	45.38 0.23 -0.03	48.67 0.34 0.00	45.09 0.36 -0.06	40.17 0.28 -0.01	34.37 0.07 -0.05	32.38 0.06 -0.05
BORALEX_4TH_BRANCH 23824	42.17 2.24 0.00	33.11 1.84 0.00	33.55 1.90 0.00	31.62 1.53 0.00	31.39 1.55 0.00	32.00 1.67 0.00	30.36 1.83 0.00	31.88 1.92 0.00	33.22 2.03 0.00	36.54 2.23 0.00	35.30 2.06 0.00	36.75 2.18 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.24 2.40 0.00	39.73 2.63 0.00	42.76 2.80 -1.07	48.62 2.47 -10.32	52.65 3.29 -4.23	54.23 3.58 -2.32	50.75 3.26 -2.83	44.11 2.91 -1.32	38.78 2.33 -2.19	36.51 2.19 -2.05
BOWLINE___1 23526	41.81 1.88 0.00	32.92 1.66 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.65 0.00	31.76 1.80 0.00	33.09 1.90 0.00	36.48 2.16 0.00	35.43 2.19 0.00	36.93 2.35 0.00	37.44 2.45 0.00	38.26 2.54 0.00	37.49 2.65 0.00	39.84 2.75 0.00	42.64 2.88 -0.87	47.18 2.72 -8.64	49.63 3.20 -1.30	52.18 3.53 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.42 2.33 -1.84	35.99 2.00 -1.71
BOWLINE___2 23595	41.81 1.88 0.00	32.92 1.66 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.65 0.00	31.76 1.80 0.00	33.09 1.90 0.00	36.48 2.16 0.00	35.43 2.19 0.00	36.93 2.35 0.00	37.44 2.45 0.00	38.26 2.54 0.00	37.49 2.65 0.00	39.84 2.75 0.00	42.64 2.88 -0.87	47.18 2.72 -8.64	49.63 3.20 -1.30	52.18 3.53 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.42 2.33 -1.84	35.99 2.00 -1.71
BRADY___115KV_TB2 356060	39.81 -0.12 0.00	31.23 -0.03 0.00	31.56 -0.09 0.00	30.05 -0.03 0.00	29.69 -0.15 0.00	30.21 -0.12 0.00	28.36 -0.17 0.00	29.75 -0.21 0.00	30.97 -0.22 0.00	34.11 -0.21 0.00	33.01 -0.23 0.00	34.23 -0.35 0.00	34.57 -0.42 0.00	35.22 -0.50 0.00	34.42 -0.42 0.00	36.62 -0.48 0.00	38.54 -0.35 0.00	35.71 -0.11 0.00	45.17 0.05 0.00	48.09 -0.24 0.00	44.71 0.04 0.00	39.76 -0.12 0.00	34.01 -0.24 0.00	31.85 -0.42 0.00
BRANSCOMB___SOLAR 323811	41.89 1.96 0.00	32.82 1.56 0.00	33.27 1.61 0.00	31.59 1.50 0.00	31.30 1.46 0.00	31.85 1.52 0.00	30.05 1.51 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.03 1.79 0.00	36.47 1.90 0.00	36.88 1.89 0.00	37.69 1.96 0.00	36.82 1.98 0.00	39.25 2.15 0.00	42.28 2.29 -1.09	48.48 2.08 -10.58	51.54 2.75 -3.66	53.27 3.05 -1.89	50.39 2.86 -2.86	43.53 2.51 -1.13	38.52 2.02 -2.25	36.24 1.87 -2.10
BRDGHMPT_69_KV_BK1 55812	43.41 3.47 0.00	34.07 2.81 0.00	34.38 2.72 0.00	32.28 2.20 0.00	32.20 2.36 0.00	32.52 2.18 0.00	31.10 2.57 0.00	32.66 2.70 0.00	34.34 3.15 0.00	37.88 3.57 0.00	36.74 3.22 -0.27	38.28 3.42 -0.28	38.86 3.60 -0.26	39.77 3.72 -0.33	39.62 3.80 -0.99	41.91 3.90 -0.92	44.82 4.04 -1.88	49.22 3.94 -9.46	53.42 5.14 -3.15	56.40 5.75 -2.32	57.81 5.27 -7.88	46.77 4.87 -2.03	40.74 4.38 -2.10	38.01 3.97 -1.77



BRENTWOD_69_KV_W. BRTWOOD 56703	43.25 3.31 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.28 2.20 0.00	32.20 2.36 0.00	32.52 2.18 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.82 3.26 -0.32	38.30 3.39 -0.34	38.84 3.53 -0.31	39.76 3.64 -0.40	39.69 3.69 -1.16	41.93 3.75 -1.08	44.80 3.85 -2.06	49.04 3.65 -9.57	53.15 4.56 -3.48	55.98 4.98 -2.67	57.31 4.47 -8.17	46.31 4.11 -2.32	40.27 3.87 -2.14	37.53 3.49 -1.77
BRISTLHL_115KV_TB1 79998	39.09 -0.84 0.00	30.48 -0.78 0.00	30.83 -0.82 0.00	29.36 -0.72 0.00	29.12 -0.72 0.00	29.61 -0.73 0.00	27.79 -0.74 0.00	29.15 -0.81 0.00	30.35 -0.84 0.00	33.35 -0.96 0.00	32.31 -0.93 0.00	33.61 -0.97 0.00	33.98 -1.01 0.00	34.69 -1.04 0.00	33.69 -1.15 0.00	35.87 -1.22 0.00	37.67 -1.28 -0.06	35.20 -1.22 -0.60	43.75 -1.44 -0.07	46.84 -1.50 -0.01	43.44 -1.38 -0.16	38.70 -1.20 -0.02	33.46 -0.92 -0.13	31.61 -0.77 -0.12
BROOKHAVEN___DRP 24191	43.21 3.27 0.00	33.95 2.69 0.00	34.25 2.60 0.00	32.19 2.11 0.00	32.11 2.27 0.00	32.43 2.09 0.00	31.02 2.48 0.00	32.54 2.58 0.00	34.16 2.96 0.00	37.64 3.33 0.00	36.60 3.09 -0.27	38.11 3.25 -0.28	38.68 3.43 -0.26	39.59 3.54 -0.33	39.41 3.59 -0.98	41.69 3.67 -0.91	44.54 3.77 -1.88	48.93 3.65 -9.46	52.91 4.65 -3.14	55.76 5.12 -2.31	57.18 4.65 -7.87	46.12 4.23 -2.02	40.29 3.94 -2.10	37.56 3.52 -1.77
BROOKLYN_NAVY_YARD 23515	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.92 1.84 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.59 2.06 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.93 2.69 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.79 3.07 0.00	38.04 3.20 0.00	40.36 3.27 0.00	43.17 3.38 -0.89	47.89 3.23 -8.84	50.21 3.74 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.94 2.81 -1.88	36.41 2.39 -1.75
BROOKLYN___ARMY_DRP 323595	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
BROOME_2_LFGE 323671	39.85 -0.08 0.00	31.07 -0.19 0.00	31.40 -0.25 0.00	29.90 -0.18 0.00	29.69 -0.15 0.00	30.18 -0.15 0.00	28.28 -0.26 0.00	29.75 -0.21 0.00	30.85 -0.34 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.47 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.63 -0.61 -2.42	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.63 -0.67 -0.63	39.40 -0.56 -0.08	34.29 -0.48 -0.51	32.40 -0.35 -0.48
BROOME___LFGE 323600	39.85 -0.08 0.00	31.07 -0.19 0.00	31.40 -0.25 0.00	29.90 -0.18 0.00	29.69 -0.15 0.00	30.18 -0.15 0.00	28.28 -0.26 0.00	29.75 -0.21 0.00	30.85 -0.34 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.47 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.63 -0.61 -2.42	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.63 -0.67 -0.63	39.40 -0.56 -0.08	34.29 -0.48 -0.51	32.40 -0.35 -0.48
BROWNFLS_115KV_TB 3_5 80003	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.94 -0.90 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.22 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.54 -1.56 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.88 -1.45 0.00	43.60 -1.12 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
BROWNSV1_27_KV_LOAD 356125	42.57 2.64 0.00	33.48 2.22 0.00	33.93 2.28 0.00	32.07 1.99 0.00	31.84 2.00 0.00	32.28 1.94 0.00	30.73 2.20 0.00	32.27 2.31 0.00	33.69 2.50 0.00	37.23 2.92 0.00	36.10 2.86 0.00	37.65 3.08 0.00	38.21 3.22 0.00	39.04 3.32 0.00	38.25 3.41 0.00	40.62 3.52 0.00	43.44 3.66 -0.89	48.14 3.47 -8.84	50.53 4.06 -1.34	53.02 4.35 -0.34	50.86 3.89 -2.31	43.81 3.55 -0.38	39.15 3.01 -1.88	36.61 2.58 -1.75
BURROWS___LYONSDAL 23803	39.93 0.00 0.00	31.23 -0.03 0.00	31.56 -0.09 0.00	30.08 0.00 0.00	29.84 0.00 0.00	30.49 0.15 0.00	28.51 -0.03 0.00	29.93 -0.03 0.00	31.10 -0.09 0.00	34.18 -0.14 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.40 -0.32 0.00	34.39 -0.45 0.00	36.65 -0.45 0.00	38.53 -0.39 -0.02	35.82 -0.25 -0.25	45.06 -0.09 -0.03	48.34 0.00 0.00	44.82 0.09 -0.06	39.89 0.00 -0.01	34.14 -0.17 -0.05	32.13 -0.19 -0.05
CAITHNESS_CC_1 323624	43.24 3.31 0.00	33.85 2.59 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.09 2.90 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.07 3.22 -0.28	38.61 3.36 -0.26	39.48 3.43 -0.33	39.33 3.52 -0.98	41.65 3.64 -0.91	44.46 3.70 -1.87	48.82 3.55 -9.46	52.77 4.51 -3.13	55.56 4.93 -2.30	56.99 4.47 -7.86	46.00 4.11 -2.01	40.16 3.80 -2.10	37.46 3.42 -1.77
CALPINE BETH_PAGE_GT4 24209	42.81 2.88 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.10 2.02 0.00	31.96 2.12 0.00	32.34 2.00 0.00	30.87 2.34 0.00	32.39 2.43 0.00	34.00 2.81 0.00	37.40 3.09 0.00	37.08 2.86 -0.98	38.60 3.01 -1.02	39.09 3.15 -0.95	40.14 3.21 -1.20	41.59 3.31 -3.44	43.68 3.38 -3.20	46.62 3.38 -4.34	49.96 3.19 -10.95	56.62 3.84 -7.66	59.74 4.16 -7.26	60.48 3.71 -12.11	49.40 3.39 -6.13	40.21 3.29 -2.66	37.02 2.97 -1.78
CALPINE_BETH_PAGE_GT_4 323586	42.93 3.00 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.13 2.05 0.00	31.99 2.15 0.00	32.34 2.00 0.00	30.88 2.34 0.00	32.39 2.43 0.00	34.00 2.81 0.00	37.40 3.09 0.00	37.11 2.89 -0.98	38.63 3.04 -1.02	39.09 3.15 -0.95	40.14 3.22 -1.20	41.59 3.31 -3.44	43.71 3.41 -3.20	46.62 3.38 -4.34	49.96 3.19 -10.95	56.61 3.83 -7.66	59.74 4.16 -7.26	60.48 3.71 -12.11	49.44 3.43 -6.13	40.21 3.29 -2.66	37.01 2.97 -1.78
CALPINE_BP_GT1 23823	42.93 3.00 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.13 2.05 0.00	31.99 2.15 0.00	32.34 2.00 0.00	30.88 2.34 0.00	32.39 2.43 0.00	34.00 2.81 0.00	37.40 3.09 0.00	37.11 2.89 -0.98	38.63 3.04 -1.02	39.09 3.15 -0.95	40.14 3.22 -1.20	41.59 3.31 -3.44	43.71 3.41 -3.20	46.62 3.38 -4.34	49.96 3.19 -10.95	56.61 3.83 -7.66	59.74 4.16 -7.26	60.48 3.71 -12.11	49.44 3.43 -6.13	40.21 3.29 -2.66	37.01 2.97 -1.78
CALSPAN___DRP 24200	38.85 -1.08 0.00	29.67 -1.59 0.00	29.82 -1.84 0.00	28.46 -1.62 0.00	28.32 -1.52 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.85 -2.34 0.00	31.29 -3.02 0.00	30.58 -2.66 0.00	31.91 -2.66 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.36 -3.66 -0.13	33.37 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.78 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.47 -3.05 -0.26	30.13 -2.39 -0.25



CALVERTON___SOLAR 323806	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.28 2.19 0.00	32.17 2.33 0.00	32.49 2.15 0.00	31.05 2.51 0.00	32.60 2.64 0.00	34.22 3.02 0.00	37.71 3.40 0.00	36.70 3.19 -0.27	38.18 3.32 -0.28	38.72 3.46 -0.26	39.63 3.57 -0.33	39.48 3.66 -0.98	41.80 3.79 -0.91	44.66 3.89 -1.88	49.04 3.76 -9.46	53.10 4.83 -3.15	55.96 5.32 -2.31	57.36 4.83 -7.87	46.33 4.43 -2.02	40.40 4.04 -2.10	37.68 3.65 -1.77
CANDIGU_WT_PWR 323617	39.37 -0.56 0.00	30.39 -0.88 0.00	30.61 -1.04 0.00	29.18 -0.90 0.00	28.97 -0.87 0.00	29.42 -0.91 0.00	27.45 -1.08 0.00	28.88 -1.08 0.00	29.82 -1.37 0.00	32.49 -1.82 0.00	31.61 -1.63 0.00	32.88 -1.69 0.00	33.10 -1.89 0.00	33.86 -1.86 0.00	32.92 -1.92 0.00	35.17 -1.93 0.00	36.80 -2.26 -0.17	35.30 -2.19 -1.66	42.52 -2.80 -0.19	45.65 -2.71 -0.03	42.46 -2.64 -0.43	37.78 -2.15 -0.06	32.79 -1.82 -0.35	31.08 -1.52 -0.33
CARR STREET_E_SYR 24060	39.49 -0.44 0.00	30.79 -0.47 0.00	31.11 -0.54 0.00	29.60 -0.48 0.00	29.39 -0.45 0.00	29.91 -0.42 0.00	28.05 -0.49 0.00	29.45 -0.51 0.00	30.63 -0.56 0.00	33.66 -0.65 0.00	32.61 -0.63 0.00	33.92 -0.66 0.00	34.29 -0.70 0.00	35.04 -0.68 0.00	34.04 -0.80 0.00	36.28 -0.82 0.00	38.07 -0.89 -0.07	35.64 -0.86 -0.68	44.17 -1.04 -0.08	47.28 -1.06 -0.01	43.86 -0.98 -0.18	39.06 -0.84 -0.02	33.78 -0.62 -0.14	31.92 -0.48 -0.14
CARTHAGE___PAPER 23857	39.25 -0.68 0.00	30.67 -0.59 0.00	30.96 -0.70 0.00	29.54 -0.54 0.00	29.36 -0.48 0.00	29.97 -0.36 0.00	27.96 -0.57 0.00	29.30 -0.66 0.00	30.41 -0.78 0.00	33.35 -0.96 0.00	32.27 -0.97 0.00	33.47 -1.11 0.00	33.80 -1.19 0.00	34.36 -1.36 0.00	33.34 -1.50 0.00	35.58 -1.52 0.00	37.53 -1.40 -0.04	35.10 -1.07 -0.35	44.31 -0.86 -0.04	47.66 -0.68 -0.01	44.31 -0.45 -0.09	39.37 -0.52 -0.01	33.57 -0.75 -0.07	31.56 -0.77 -0.07
CASSADAGA_WT_PWR 323784	39.25 -0.68 0.00	29.92 -1.34 0.00	29.97 -1.68 0.00	28.55 -1.53 0.00	28.41 -1.43 0.00	28.82 -1.52 0.00	26.77 -1.77 0.00	28.22 -1.74 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.55 -2.69 0.00	31.91 -2.66 0.00	32.09 -2.90 0.00	32.79 -2.93 0.00	31.88 -2.96 0.00	34.06 -3.04 0.00	35.45 -3.58 -0.13	33.59 -3.55 -1.31	40.57 -4.69 -0.14	43.91 -4.45 -0.02	40.63 -4.38 -0.34	36.41 -3.51 -0.04	31.62 -2.91 -0.28	30.14 -2.39 -0.26
CE_DUNWOOD___DRP 24194	42.01 2.08 0.00	33.04 1.78 0.00	33.46 1.80 0.00	31.65 1.56 0.00	31.42 1.58 0.00	31.91 1.58 0.00	30.30 1.77 0.00	31.88 1.92 0.00	33.22 2.03 0.00	36.65 2.33 0.00	35.57 2.33 0.00	37.10 2.52 0.00	37.61 2.62 0.00	38.44 2.71 0.00	37.66 2.82 0.00	40.03 2.93 0.00	42.82 3.03 -0.89	47.53 2.90 -8.81	49.89 3.43 -1.34	52.39 3.72 -0.34	50.32 3.35 -2.30	43.25 2.99 -0.38	38.63 2.50 -1.87	36.15 2.13 -1.75
CE_MILLWOOD___DRP 24193	41.93 2.00 0.00	33.01 1.75 0.00	33.43 1.77 0.00	31.62 1.53 0.00	31.39 1.55 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.50 2.26 0.00	37.03 2.45 0.00	37.54 2.55 0.00	38.37 2.64 0.00	37.59 2.75 0.00	39.96 2.86 0.00	42.74 2.96 -0.89	47.40 2.79 -8.79	49.80 3.34 -1.34	52.34 3.67 -0.34	50.22 3.26 -2.30	43.21 2.95 -0.38	38.55 2.43 -1.87	36.08 2.07 -1.74
CE_NYC2_DRP 24202	42.45 2.52 0.00	33.43 2.16 -0.01	33.84 2.18 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.15 1.82 0.00	30.65 2.11 0.00	32.09 2.13 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.03 3.04 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.36 3.26 0.00	43.17 3.38 -0.89	47.93 3.26 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.53 3.27 -0.38	38.87 2.74 -1.88	36.45 2.42 -1.76
CE_NYC_DRP 24195	42.37 2.44 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.95 1.87 0.00	31.69 1.85 0.00	32.15 1.82 0.00	30.59 2.05 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.06 2.75 0.00	35.93 2.69 0.00	37.48 2.90 0.00	38.03 3.04 0.00	38.86 3.14 0.00	38.08 3.24 0.00	40.44 3.34 0.00	43.25 3.46 -0.89	47.96 3.30 -8.84	50.26 3.79 -1.34	52.78 4.11 -0.34	50.64 3.66 -2.31	43.61 3.35 -0.38	38.98 2.84 -1.88	36.44 2.42 -1.75
CHAFFEE___LFGE 323603	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.43 -1.65 0.00	28.26 -1.58 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.58 -2.66 0.00	31.94 -2.63 0.00	32.12 -2.87 0.00	32.86 -2.86 0.00	31.88 -2.96 0.00	34.02 -3.08 0.00	35.36 -3.66 -0.13	33.45 -3.65 -1.29	40.43 -4.83 -0.14	43.62 -4.73 -0.02	40.49 -4.51 -0.33	36.29 -3.63 -0.04	31.51 -3.01 -0.27	30.14 -2.39 -0.26
CHATEAUG_35_KV_LOAD 355732	39.93 0.00 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.14 0.06 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.45 -0.09 0.00	29.90 -0.06 0.00	31.16 -0.03 0.00	34.35 0.03 0.00	33.24 0.00 0.00	34.47 -0.10 0.00	34.85 -0.14 0.00	35.58 -0.14 0.00	34.73 -0.10 0.00	36.91 -0.19 0.00	38.77 -0.12 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.52 -0.36 0.00	33.74 -0.51 0.00	31.53 -0.74 0.00
CHATEAUG_WT_PWR 323614	39.89 -0.04 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.11 0.03 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.90 -0.06 0.00	31.19 0.00 0.00	34.38 0.07 0.00	33.27 0.03 0.00	34.54 -0.03 0.00	34.89 -0.10 0.00	35.62 -0.11 0.00	34.80 -0.03 0.00	36.99 -0.11 0.00	38.81 -0.08 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.19 -0.14 0.00	44.49 -0.18 0.00	39.48 -0.40 0.00	33.74 -0.51 0.00	31.56 -0.71 0.00
CHAT_HIGH_FALL_HYD 323578	39.93 0.00 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.14 0.06 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.45 -0.09 0.00	29.90 -0.06 0.00	31.16 -0.03 0.00	34.35 0.03 0.00	33.24 0.00 0.00	34.47 -0.10 0.00	34.85 -0.14 0.00	35.58 -0.14 0.00	34.73 -0.10 0.00	36.91 -0.19 0.00	38.77 -0.12 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.52 -0.36 0.00	33.74 -0.51 0.00	31.53 -0.74 0.00
CHAUTAUQUA___LFGE 323629	39.13 -0.80 0.00	29.92 -1.34 0.00	30.04 -1.61 0.00	28.61 -1.47 0.00	28.44 -1.40 0.00	28.88 -1.46 0.00	26.88 -1.66 0.00	28.31 -1.65 0.00	29.04 -2.15 0.00	31.50 -2.81 0.00	30.71 -2.53 0.00	32.08 -2.49 0.00	32.23 -2.76 0.00	33.01 -2.72 0.00	32.05 -2.79 0.00	34.21 -2.89 0.00	35.60 -3.42 -0.13	33.74 -3.37 -1.29	40.79 -4.47 -0.14	44.10 -4.25 -0.02	40.85 -4.15 -0.33	36.57 -3.35 -0.04	31.75 -2.77 -0.27	30.30 -2.23 -0.26
CHERRYST_13_KV_LD 356241	42.45 2.52 0.00	33.42 2.16 0.00	33.87 2.22 0.00	32.04 1.96 0.00	31.78 1.94 0.00	32.21 1.88 0.00	30.67 2.14 0.00	32.21 2.25 0.00	33.62 2.43 0.00	37.16 2.85 0.00	36.03 2.79 0.00	37.58 3.01 0.00	38.14 3.15 0.00	38.97 3.25 0.00	38.18 3.34 0.00	40.55 3.45 0.00	43.36 3.58 -0.89	48.06 3.40 -8.84	50.39 3.93 -1.34	52.92 4.25 -0.34	50.77 3.80 -2.31	43.73 3.47 -0.38	39.04 2.91 -1.88	36.54 2.52 -1.75



CHESTROR_138KV_BK263 355645	41.73 1.80 0.00	32.82 1.56 0.00	33.24 1.58 0.00	31.47 1.38 0.00	31.21 1.37 0.00	31.70 1.37 0.00	30.08 1.54 0.00	31.64 1.68 0.00	32.94 1.75 0.00	36.34 2.02 0.00	35.23 1.99 0.00	36.72 2.14 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.24 2.40 0.00	39.58 2.49 0.00	42.34 2.61 -0.85	46.71 2.51 -8.38	49.35 2.98 -1.25	51.92 3.29 -0.30	49.76 2.90 -2.19	42.82 2.59 -0.35	38.19 2.16 -1.78	35.81 1.87 -1.66
CH_MIDHUDSON___DRP 24192	41.89 1.96 0.00	32.92 1.66 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.33 1.49 0.00	31.79 1.46 0.00	30.13 1.60 0.00	31.70 1.74 0.00	33.03 1.84 0.00	36.41 2.09 0.00	35.30 2.06 0.00	36.79 2.21 0.00	37.30 2.31 0.00	38.08 2.36 0.00	37.28 2.44 0.00	39.66 2.56 0.00	42.52 2.72 -0.90	47.30 2.54 -8.94	49.47 3.07 -1.28	51.95 3.33 -0.29	50.04 3.04 -2.33	42.95 2.71 -0.36	38.38 2.23 -1.90	36.01 1.97 -1.77
CH_MISC_IPPS 23765	42.05 2.11 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.38 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.46 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.05 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75
CH_RES_BVR_FALLS 23983	39.53 -0.40 0.00	30.98 -0.28 0.00	31.37 -0.29 0.00	29.81 -0.27 0.00	29.51 -0.33 0.00	30.00 -0.33 0.00	28.22 -0.31 0.00	29.63 -0.33 0.00	30.88 -0.31 0.00	34.00 -0.31 0.00	32.91 -0.33 0.00	34.19 -0.38 0.00	34.57 -0.42 0.00	35.30 -0.43 0.00	34.42 -0.42 0.00	36.62 -0.48 0.00	38.43 -0.46 0.00	35.43 -0.39 0.00	44.63 -0.50 0.00	47.65 -0.68 0.00	44.04 -0.63 0.00	39.24 -0.64 0.00	33.64 -0.62 0.00	31.63 -0.65 0.00
CH_RES_NIAGARA 23895	38.25 -1.68 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.65 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.98 -3.26 0.00	31.25 -3.32 0.00	31.46 -3.53 0.00	32.15 -3.57 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.77 -4.24 -0.12	32.70 -4.26 -1.15	39.69 -5.55 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.82 -2.68 -0.23
CH_RES_SYRACUSE 23985	39.69 -0.24 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.54 -0.30 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.81 -0.43 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.26 -0.47 0.00	34.21 -0.63 0.00	36.50 -0.60 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.78 -0.01	44.15 -0.72 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
CLINTON_WT_PWR 323605	39.89 -0.04 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.11 0.03 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.90 -0.06 0.00	31.19 0.00 0.00	34.38 0.07 0.00	33.27 0.03 0.00	34.54 -0.03 0.00	34.89 -0.10 0.00	35.62 -0.11 0.00	34.80 -0.03 0.00	36.99 -0.11 0.00	38.81 -0.08 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.19 -0.14 0.00	44.49 -0.18 0.00	39.48 -0.40 0.00	33.74 -0.51 0.00	31.56 -0.71 0.00
CLINTON___LFGE 323618	40.41 0.48 0.00	31.70 0.44 0.00	32.06 0.41 0.00	30.50 0.42 0.00	30.14 0.30 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.38 0.00	34.83 0.52 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.34 0.35 0.00	36.08 0.36 0.00	35.22 0.38 0.00	37.43 0.33 0.00	39.32 0.43 0.00	36.36 0.54 0.00	45.84 0.72 0.00	48.96 0.63 0.00	45.11 0.45 0.00	40.04 0.16 0.00	34.19 -0.07 0.00	31.95 -0.32 0.00
COBBLENY_34_KV_TB1 80064	38.89 -1.04 0.00	29.67 -1.59 0.00	29.82 -1.84 0.00	28.46 -1.62 0.00	28.32 -1.52 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.61 -2.63 0.00	31.95 -2.63 0.00	32.12 -2.87 0.00	32.86 -2.86 0.00	31.88 -2.96 0.00	34.02 -3.08 0.00	35.37 -3.66 -0.13	33.45 -3.65 -1.29	40.43 -4.83 -0.14	43.62 -4.74 -0.02	40.49 -4.51 -0.33	36.29 -3.63 -0.04	31.51 -3.01 -0.27	30.14 -2.39 -0.26
COFFEEN___115KV_TB3 355620	39.57 -0.36 0.00	30.89 -0.38 0.00	31.15 -0.51 0.00	29.75 -0.33 0.00	29.57 -0.27 0.00	30.30 -0.03 0.00	28.16 -0.37 0.00	29.48 -0.48 0.00	30.54 -0.66 0.00	33.49 -0.82 0.00	32.41 -0.83 0.00	33.61 -0.97 0.00	33.91 -1.08 0.00	34.47 -1.25 0.00	33.48 -1.36 0.00	35.76 -1.34 0.00	37.76 -1.17 -0.04	35.36 -0.86 -0.40	44.67 -0.50 -0.05	48.19 -0.14 -0.01	44.86 0.09 -0.10	39.85 -0.04 -0.01	33.96 -0.38 -0.08	31.96 -0.39 -0.08
COLDSPRG_115KV_BK1 355956	39.53 -0.40 0.00	30.04 -1.22 0.00	30.13 -1.52 0.00	28.76 -1.32 0.00	28.68 -1.16 0.00	29.00 -1.33 0.00	26.99 -1.54 0.00	28.52 -1.44 0.00	29.20 -2.00 0.00	31.74 -2.57 0.00	31.01 -2.23 0.00	32.36 -2.21 0.00	32.51 -2.48 0.00	33.26 -2.46 0.00	32.30 -2.54 0.00	34.46 -2.63 0.00	35.72 -3.31 -0.14	33.92 -3.26 -1.36	40.89 -4.38 -0.15	44.29 -4.06 -0.02	41.00 -4.02 -0.35	36.73 -3.19 -0.05	31.84 -2.71 -0.29	30.31 -2.23 -0.27
COLONIE_LFGE___ 323577	41.57 1.64 0.00	32.60 1.34 0.00	33.04 1.39 0.00	31.32 1.23 0.00	31.03 1.19 0.00	31.61 1.27 0.00	29.88 1.34 0.00	31.31 1.35 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.80 1.56 0.00	36.23 1.66 0.00	36.67 1.68 0.00	37.44 1.71 0.00	36.65 1.81 0.00	39.06 1.96 0.00	42.04 2.06 -1.09	48.12 1.83 -10.47	52.07 2.39 -4.56	53.49 2.61 -2.55	49.96 2.41 -2.88	43.46 2.15 -1.43	38.23 1.75 -2.22	35.96 1.61 -2.08
COOPERNY_115KV_TB1 80082	41.53 1.60 0.00	32.67 1.41 0.00	33.05 1.39 0.00	31.32 1.23 0.00	31.09 1.25 0.00	31.58 1.24 0.00	29.90 1.37 0.00	31.46 1.50 0.00	32.75 1.56 0.00	36.10 1.78 0.00	35.03 1.79 0.00	36.51 1.94 0.00	37.02 2.03 0.00	37.79 2.07 0.00	37.00 2.16 0.00	39.36 2.26 0.00	42.00 2.37 -0.73	45.36 2.26 -7.28	48.68 2.66 -0.89	51.40 2.95 -0.12	49.15 2.59 -1.89	42.47 2.35 -0.24	37.75 1.95 -1.55	35.39 1.68 -1.44
COPENHAGEN_WT_PWR 323753	39.41 -0.52 0.00	30.76 -0.50 0.00	31.02 -0.63 0.00	29.63 -0.45 0.00	29.45 -0.39 0.00	30.09 -0.24 0.00	28.02 -0.51 0.00	29.36 -0.60 0.00	30.48 -0.72 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.87 -1.12 0.00	34.47 -1.25 0.00	33.48 -1.36 0.00	35.73 -1.37 0.00	37.69 -1.25 -0.04	35.27 -0.97 -0.41	44.41 -0.77 -0.05	47.86 -0.48 -0.01	44.51 -0.27 -0.11	39.53 -0.36 -0.01	33.79 -0.55 -0.09	31.80 -0.55 -0.08
CORNELL_____ 23752	40.49 0.56 0.00	31.51 0.25 0.00	31.84 0.19 0.00	30.35 0.27 0.00	30.11 0.27 0.00	30.64 0.30 0.00	28.71 0.17 0.00	30.14 0.18 0.00	31.32 0.12 0.00	34.31 0.00 0.00	33.27 0.03 0.00	34.50 -0.07 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.60 -0.24 0.00	36.91 -0.19 0.00	38.90 -0.16 -0.17	37.43 -0.07 -1.68	45.42 0.09 -0.20	48.60 0.24 -0.03	45.33 0.22 -0.44	40.13 0.20 -0.06	34.78 0.17 -0.36	32.83 0.23 -0.33



CORONA V_69_KV_TB1 355595	42.93 2.99 0.00	33.76 2.50 0.00	34.09 2.44 0.00	32.13 2.05 0.00	31.99 2.15 0.00	32.34 2.00 0.00	30.87 2.34 0.00	32.39 2.43 0.00	33.97 2.78 0.00	37.47 3.16 0.00	42.33 2.93 -6.17	44.06 3.08 -6.41	44.18 3.22 -5.97	46.56 3.25 -7.58	62.57 3.34 -24.38	63.21 3.41 -22.70	67.78 3.54 -25.35	62.79 3.33 -23.64	95.23 3.93 -46.18	102.07 4.25 -49.48	89.38 3.80 -40.91	84.59 3.47 -41.25	44.29 3.25 -6.79	37.09 3.00 -1.82
CORTLAND_115KV_TB3 80093	40.13 0.20 0.00	31.29 0.03 0.00	31.62 -0.03 0.00	30.11 0.03 0.00	29.90 0.06 0.00	30.43 0.09 0.00	28.51 -0.03 0.00	29.93 -0.03 0.00	31.13 -0.06 0.00	34.14 -0.17 0.00	33.11 -0.13 0.00	34.40 -0.17 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.53 -0.31 0.00	36.80 -0.30 0.00	38.72 -0.31 -0.14	36.89 -0.29 -1.36	45.06 -0.23 -0.16	48.21 -0.14 -0.02	44.88 -0.13 -0.35	39.80 -0.12 -0.05	34.47 -0.07 -0.29	32.54 0.00 -0.27
COXSACKIE__GT 23611	41.77 1.84 0.00	32.76 1.50 0.00	33.14 1.49 0.00	31.47 1.38 0.00	31.24 1.40 0.00	31.67 1.33 0.00	29.79 1.25 0.00	31.37 1.41 0.00	32.60 1.40 0.00	35.79 1.47 0.00	34.53 1.30 0.00	35.89 1.31 0.00	36.29 1.30 0.00	36.94 1.22 0.00	36.13 1.29 0.00	38.54 1.45 0.00	41.34 1.48 -0.97	47.03 1.22 -9.99	45.12 2.34 2.34	48.62 2.70 2.41	49.77 2.68 -2.42	41.26 2.23 0.85	37.75 1.37 -2.12	35.58 1.32 -1.98
CPV_VALLEY__CC1 323721	41.65 1.72 0.00	32.76 1.50 0.00	33.17 1.52 0.00	31.41 1.32 0.00	31.18 1.34 0.00	31.64 1.30 0.00	30.02 1.48 0.00	31.58 1.62 0.00	32.88 1.68 0.00	36.27 1.95 0.00	35.20 1.96 0.00	36.65 2.07 0.00	37.16 2.17 0.00	37.94 2.22 0.00	37.17 2.33 0.00	39.55 2.45 0.00	42.27 2.57 -0.81	46.21 2.40 -7.99	49.15 2.84 -1.19	51.76 3.14 -0.29	49.52 2.77 -2.09	42.73 2.51 -0.33	38.04 2.09 -1.70	35.66 1.81 -1.59
CPV_VALLEY__CC2 323722	41.65 1.72 0.00	32.76 1.50 0.00	33.17 1.52 0.00	31.41 1.32 0.00	31.18 1.34 0.00	31.64 1.30 0.00	30.02 1.48 0.00	31.58 1.62 0.00	32.88 1.68 0.00	36.27 1.95 0.00	35.20 1.96 0.00	36.65 2.07 0.00	37.16 2.17 0.00	37.94 2.22 0.00	37.17 2.33 0.00	39.55 2.45 0.00	42.27 2.57 -0.81	46.21 2.40 -7.99	49.15 2.84 -1.19	51.76 3.14 -0.29	49.52 2.77 -2.09	42.73 2.51 -0.33	38.04 2.09 -1.70	35.66 1.81 -1.59
CRESCENT__HYD 24018	41.57 1.64 0.00	32.60 1.34 0.00	33.04 1.39 0.00	31.32 1.23 0.00	31.03 1.19 0.00	31.61 1.27 0.00	29.88 1.34 0.00	31.31 1.35 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.80 1.56 0.00	36.23 1.66 0.00	36.67 1.68 0.00	37.44 1.71 0.00	36.65 1.81 0.00	39.06 1.96 0.00	42.04 2.06 -1.09	48.12 1.83 -10.47	52.07 2.39 -4.56	53.49 2.61 -2.55	49.96 2.41 -2.88	43.46 2.15 -1.43	38.23 1.75 -2.22	35.96 1.61 -2.08
CRICKET__VALLEY_CC1 323756	41.61 1.68 0.00	32.73 1.47 0.00	33.14 1.49 0.00	31.35 1.26 0.00	31.12 1.28 0.00	31.61 1.27 0.00	30.02 1.48 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.07 1.83 0.00	36.54 1.97 0.00	37.05 2.06 0.00	37.83 2.11 0.00	37.07 2.23 0.00	39.44 2.34 0.00	42.31 2.49 -0.93	47.25 2.26 -9.17	49.51 2.80 -1.59	51.87 3.05 -0.49	49.80 2.72 -2.41	42.81 2.47 -0.46	38.22 2.02 -1.95	35.86 1.77 -1.82
CRICKET__VALLEY_CC2 323757	41.61 1.68 0.00	32.73 1.47 0.00	33.14 1.49 0.00	31.35 1.26 0.00	31.12 1.28 0.00	31.61 1.27 0.00	30.02 1.48 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.07 1.83 0.00	36.54 1.97 0.00	37.05 2.06 0.00	37.83 2.11 0.00	37.07 2.23 0.00	39.44 2.34 0.00	42.31 2.49 -0.93	47.25 2.26 -9.17	49.51 2.80 -1.59	51.87 3.05 -0.49	49.80 2.72 -2.41	42.81 2.47 -0.46	38.22 2.02 -1.95	35.86 1.77 -1.82
CRICKET__VALLEY_CC3 323758	41.61 1.68 0.00	32.73 1.47 0.00	33.14 1.49 0.00	31.35 1.26 0.00	31.12 1.28 0.00	31.61 1.27 0.00	30.02 1.48 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.07 1.83 0.00	36.54 1.97 0.00	37.05 2.06 0.00	37.83 2.11 0.00	37.07 2.23 0.00	39.44 2.34 0.00	42.31 2.49 -0.93	47.25 2.26 -9.17	49.51 2.80 -1.59	51.87 3.05 -0.49	49.80 2.72 -2.41	42.81 2.47 -0.46	38.22 2.02 -1.95	35.86 1.77 -1.82
CRUCIBLE_METL_DRP 24180	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
DAHOWA__HYDRO 323763	42.01 2.08 0.00	32.89 1.62 0.00	33.36 1.71 0.00	31.65 1.56 0.00	31.36 1.52 0.00	31.91 1.58 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.91 1.71 0.00	36.30 1.99 0.00	35.13 1.89 0.00	36.58 2.00 0.00	36.98 1.99 0.00	37.76 2.04 0.00	36.89 2.06 0.00	39.36 2.26 0.00	42.36 2.37 -1.09	48.61 2.19 -10.60	51.53 2.89 -3.52	53.31 3.19 -1.79	50.57 3.04 -2.86	43.60 2.63 -1.09	38.63 2.12 -2.25	36.34 1.97 -2.10
DANC__LFGE 323619	39.29 -0.64 0.00	30.67 -0.59 0.00	30.96 -0.70 0.00	29.51 -0.57 0.00	29.33 -0.51 0.00	29.94 -0.40 0.00	27.93 -0.60 0.00	29.27 -0.69 0.00	30.41 -0.78 0.00	33.39 -0.92 0.00	32.31 -0.93 0.00	33.57 -1.00 0.00	33.91 -1.08 0.00	34.54 -1.18 0.00	33.55 -1.29 0.00	35.80 -1.30 0.00	37.69 -1.25 -0.05	35.23 -1.07 -0.48	44.15 -1.04 -0.06	47.47 -0.87 -0.01	44.12 -0.67 -0.13	39.26 -0.64 -0.02	33.67 -0.68 -0.10	31.75 -0.61 -0.10
DANSKAMMER__1 23586	42.05 2.11 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.38 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.46 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.05 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75
DANSKAMMER__2 23589	42.05 2.11 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.38 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.46 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.05 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75
DANSKAMMER__3 23590	42.05 2.11 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.38 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.46 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.05 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75



DANSKAMMER___4 23591	42.05 2.11 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.38 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.46 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.05 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75
DANSKAMMER___DIESEL 23592	42.05 2.12 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.54 2.23 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.44 2.45 0.00	38.19 2.46 0.00	37.42 2.58 0.00	39.81 2.71 0.00	42.66 2.88 -0.89	47.34 2.69 -8.83	49.45 3.25 -1.08	52.06 3.58 -0.15	50.22 3.26 -2.30	43.04 2.87 -0.29	38.53 2.40 -1.88	36.12 2.10 -1.75
DARBY___SOLAR 323810	41.93 2.00 0.00	32.82 1.56 0.00	33.30 1.64 0.00	31.59 1.50 0.00	31.30 1.46 0.00	31.85 1.52 0.00	30.07 1.54 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.07 1.83 0.00	36.47 1.90 0.00	36.91 1.92 0.00	37.69 1.96 0.00	36.82 1.98 0.00	39.29 2.19 0.00	42.28 2.29 -1.09	48.51 2.11 -10.58	51.57 2.80 -3.65	53.26 3.05 -1.89	50.43 2.90 -2.86	43.56 2.55 -1.13	38.56 2.06 -2.25	36.24 1.87 -2.10
DASHVILLE___HYD 23610	41.73 1.80 0.00	32.79 1.53 0.00	33.20 1.55 0.00	31.44 1.35 0.00	31.21 1.37 0.00	31.67 1.33 0.00	29.96 1.43 0.00	31.52 1.56 0.00	32.81 1.62 0.00	36.17 1.85 0.00	35.03 1.79 0.00	36.51 1.94 0.00	37.02 2.03 0.00	37.76 2.04 0.00	37.00 2.16 0.00	39.36 2.26 0.00	42.17 2.37 -0.90	46.79 1.93 -9.03	48.48 2.93 -0.42	51.23 3.24 0.34	49.88 2.90 -2.31	42.55 2.59 -0.07	37.85 1.68 -1.92	35.51 1.45 -1.79
DELAWARE___LFGE 323621	40.69 0.76 0.00	31.82 0.56 0.00	32.25 0.60 0.00	30.74 0.66 0.00	30.53 0.69 0.00	31.09 0.76 0.00	29.08 0.54 0.00	30.56 0.60 0.00	31.78 0.59 0.00	34.93 0.62 0.00	33.90 0.66 0.00	35.27 0.69 0.00	35.69 0.70 0.00	36.40 0.68 0.00	35.57 0.73 0.00	37.92 0.82 0.00	40.03 0.82 -0.32	39.75 0.75 -3.18	46.41 0.90 -0.39	49.40 1.01 -0.05	46.47 0.98 -0.83	40.86 0.88 -0.11	35.61 0.69 -0.67	33.55 0.65 -0.63
DERFIELD_115KV_TB7 355931	40.01 0.08 0.00	31.32 0.06 0.00	31.72 0.06 0.00	30.14 0.06 0.00	29.90 0.06 0.00	30.43 0.09 0.00	28.59 0.06 0.00	30.02 0.06 0.00	31.25 0.06 0.00	34.38 0.07 0.00	33.31 0.07 0.00	34.64 0.07 0.00	35.06 0.07 0.00	35.79 0.07 0.00	34.91 0.07 0.00	37.21 0.11 0.00	38.97 0.08 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.48 0.14 0.00	44.76 0.09 0.00	40.00 0.12 0.00	34.32 0.07 0.00	32.37 0.10 0.00
DOGLEVILLE___HYD 23807	40.21 0.28 0.00	31.45 0.19 0.00	31.81 0.16 0.00	30.26 0.18 0.00	30.02 0.18 0.00	30.52 0.18 0.00	28.62 0.09 0.00	30.05 0.09 0.00	31.25 0.06 0.00	34.42 0.10 0.00	33.37 0.13 0.00	34.71 0.14 0.00	35.13 0.14 0.00	35.79 0.07 0.00	34.94 0.10 0.00	37.17 0.07 0.00	38.89 0.00 0.00	35.75 -0.07 0.00	45.03 -0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.64 -0.24 0.00	33.98 -0.27 0.00	31.98 -0.29 0.00
DUNKIRK__115KV_TB_200 55889	39.17 -0.76 0.00	29.92 -1.34 0.00	30.04 -1.61 0.00	28.64 -1.44 0.00	28.53 -1.31 0.00	28.88 -1.46 0.00	26.91 -1.63 0.00	28.34 -1.62 0.00	29.04 -2.15 0.00	31.53 -2.78 0.00	30.78 -2.46 0.00	32.12 -2.45 0.00	32.26 -2.73 0.00	33.04 -2.68 0.00	32.05 -2.79 0.00	34.24 -2.86 0.00	35.64 -3.38 -0.13	33.74 -3.37 -1.28	40.84 -4.42 -0.14	44.10 -4.25 -0.02	40.85 -4.15 -0.33	36.61 -3.31 -0.04	31.75 -2.77 -0.27	30.33 -2.19 -0.25
DUNKIRK___1 23563	39.17 -0.76 0.00	29.92 -1.34 0.00	30.04 -1.61 0.00	28.64 -1.44 0.00	28.53 -1.31 0.00	28.88 -1.46 0.00	26.91 -1.63 0.00	28.34 -1.62 0.00	29.04 -2.15 0.00	31.53 -2.78 0.00	30.78 -2.46 0.00	32.12 -2.45 0.00	32.26 -2.73 0.00	33.04 -2.68 0.00	32.05 -2.79 0.00	34.24 -2.86 0.00	35.64 -3.38 -0.13	33.74 -3.37 -1.28	40.84 -4.42 -0.14	44.10 -4.25 -0.02	40.85 -4.15 -0.33	36.61 -3.31 -0.04	31.75 -2.77 -0.27	30.33 -2.19 -0.25
DUNKIRK___2 23564	39.17 -0.76 0.00	29.92 -1.34 0.00	30.04 -1.61 0.00	28.64 -1.44 0.00	28.53 -1.31 0.00	28.88 -1.46 0.00	26.91 -1.63 0.00	28.34 -1.62 0.00	29.04 -2.15 0.00	31.53 -2.78 0.00	30.78 -2.46 0.00	32.12 -2.45 0.00	32.26 -2.73 0.00	33.04 -2.68 0.00	32.05 -2.79 0.00	34.24 -2.86 0.00	35.64 -3.38 -0.13	33.74 -3.37 -1.28	40.84 -4.42 -0.14	44.10 -4.25 -0.02	40.85 -4.15 -0.33	36.61 -3.31 -0.04	31.75 -2.77 -0.27	30.33 -2.19 -0.25
DUNKIRK___3 23565	38.97 -0.96 0.00	29.79 -1.47 0.00	29.94 -1.71 0.00	28.58 -1.50 0.00	28.44 -1.40 0.00	28.79 -1.55 0.00	26.82 -1.71 0.00	28.25 -1.71 0.00	28.98 -2.21 0.00	31.47 -2.85 0.00	30.71 -2.53 0.00	32.05 -2.52 0.00	32.19 -2.80 0.00	32.97 -2.75 0.00	31.98 -2.86 0.00	34.17 -2.93 0.00	35.56 -3.46 -0.13	33.66 -3.44 -1.28	40.70 -4.56 -0.13	43.95 -4.40 -0.02	40.71 -4.29 -0.33	36.49 -3.43 -0.04	31.65 -2.88 -0.27	30.23 -2.29 -0.25
DUNKIRK___4 23566	38.97 -0.96 0.00	29.79 -1.47 0.00	29.94 -1.71 0.00	28.58 -1.50 0.00	28.44 -1.40 0.00	28.79 -1.55 0.00	26.82 -1.71 0.00	28.25 -1.71 0.00	28.98 -2.21 0.00	31.47 -2.85 0.00	30.71 -2.53 0.00	32.05 -2.52 0.00	32.19 -2.80 0.00	32.97 -2.75 0.00	31.98 -2.86 0.00	34.17 -2.93 0.00	35.56 -3.46 -0.13	33.66 -3.44 -1.28	40.70 -4.56 -0.13	43.95 -4.40 -0.02	40.71 -4.29 -0.33	36.49 -3.43 -0.04	31.65 -2.88 -0.27	30.23 -2.29 -0.25
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	42.13 2.20 0.00	33.17 1.91 0.00	33.58 1.93 0.00	31.74 1.65 0.00	31.51 1.67 0.00	32.00 1.67 0.00	30.42 1.88 0.00	31.97 2.01 0.00	33.34 2.15 0.00	36.82 2.50 0.00	35.70 2.46 0.00	37.24 2.66 0.00	37.75 2.76 0.00	38.58 2.86 0.00	37.80 2.96 0.00	40.18 3.08 0.00	42.97 3.19 -0.89	47.67 3.01 -8.84	50.03 3.56 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.37 3.11 -0.38	38.77 2.64 -1.88	36.28 2.26 -1.76
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	41.89 1.96 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.33 1.49 0.00	31.79 1.46 0.00	30.16 1.63 0.00	31.73 1.77 0.00	33.06 1.87 0.00	36.44 2.13 0.00	35.33 2.09 0.00	36.82 2.25 0.00	37.33 2.34 0.00	38.12 2.39 0.00	37.31 2.47 0.00	39.70 2.60 0.00	42.48 2.72 -0.87	47.07 2.61 -8.63	49.30 3.11 -1.06	51.91 3.43 -0.15	49.99 3.08 -2.24	42.92 2.75 -0.29	38.35 2.26 -1.83	35.98 2.00 -1.71
E179THST_138_KV_TB4_REV_LBMP_J 345001	42.53 2.60 0.00	33.43 2.16 -0.01	33.87 2.22 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.03 1.70 0.00	30.53 2.00 0.00	31.97 2.01 0.00	33.38 2.18 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.31 2.73 0.00	37.89 2.90 0.00	38.69 2.96 0.00	37.87 3.03 0.00	40.22 3.12 0.00	43.01 3.23 -0.89	47.78 3.12 -8.85	50.03 3.56 -1.34	52.49 3.82 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.77 2.64 -1.88	36.38 2.36 -1.76



E179THST_13_KV_LOAD 356214	42.69 2.76 0.00	33.55 2.28 -0.01	34.00 2.34 0.00	32.13 2.05 0.00	31.87 2.03 0.00	32.12 1.79 0.00	30.65 2.11 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.48 2.90 0.00	38.03 3.04 0.00	38.87 3.14 0.00	38.04 3.21 0.00	40.36 3.26 0.00	43.21 3.42 -0.89	47.93 3.26 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.51 2.48 -1.76
EAST HAMPTON___GT 23717	43.24 3.31 0.00	33.82 2.56 0.00	34.12 2.47 0.00	32.04 1.95 0.00	31.99 2.15 0.00	32.25 1.91 0.00	30.88 2.34 0.00	32.42 2.46 0.00	34.12 2.93 0.00	37.68 3.36 0.00	36.44 2.93 -0.27	37.97 3.11 -0.28	38.58 3.33 -0.26	39.52 3.46 -0.33	39.38 3.56 -0.99	41.65 3.64 -0.92	44.55 3.77 -1.88	48.97 3.69 -9.46	53.24 4.96 -3.15	56.25 5.60 -2.32	57.81 5.27 -7.88	46.81 4.90 -2.03	40.74 4.39 -2.10	38.07 4.03 -1.77
EAST RIVER___6 23660	42.49 2.56 0.00	33.42 2.16 0.00	33.87 2.21 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.22 1.88 0.00	30.68 2.14 0.00	32.21 2.25 0.00	33.66 2.46 0.00	37.20 2.88 0.00	36.13 2.89 0.00	37.65 3.08 0.00	38.21 3.22 0.00	39.01 3.28 0.00	38.26 3.42 0.00	40.63 3.53 0.00	43.44 3.65 -0.89	48.10 3.44 -8.84	50.48 4.01 -1.34	52.97 4.30 -0.34	50.82 3.84 -2.31	43.77 3.51 -0.38	39.08 2.95 -1.88	36.54 2.52 -1.75
EAST RIVER___7 23524	42.49 2.56 0.00	33.42 2.16 0.00	33.87 2.21 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.22 1.88 0.00	30.68 2.14 0.00	32.21 2.25 0.00	33.66 2.46 0.00	37.20 2.88 0.00	36.13 2.89 0.00	37.65 3.08 0.00	38.21 3.22 0.00	39.01 3.28 0.00	38.26 3.42 0.00	40.63 3.53 0.00	43.44 3.65 -0.89	48.10 3.44 -8.84	50.48 4.01 -1.34	52.97 4.30 -0.34	50.82 3.84 -2.31	43.77 3.51 -0.38	39.08 2.95 -1.88	36.54 2.52 -1.75
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	42.01 2.08 0.00	33.04 1.78 0.00	33.46 1.80 0.00	31.65 1.56 0.00	31.42 1.58 0.00	31.91 1.58 0.00	30.30 1.77 0.00	31.88 1.92 0.00	33.22 2.03 0.00	36.65 2.33 0.00	35.57 2.33 0.00	37.10 2.52 0.00	37.61 2.62 0.00	38.44 2.71 0.00	37.66 2.82 0.00	40.03 2.93 0.00	42.82 3.03 -0.89	47.53 2.90 -8.81	49.89 3.43 -1.34	52.39 3.72 -0.34	50.32 3.35 -2.30	43.25 2.99 -0.38	38.63 2.50 -1.87	36.15 2.13 -1.75
EAST_HAMPTON___DIESEL 23722	43.16 3.23 0.00	33.76 2.50 0.00	34.06 2.40 0.00	31.98 1.90 0.00	31.93 2.09 0.00	32.18 1.85 0.00	30.82 2.28 0.00	32.36 2.40 0.00	34.06 2.87 0.00	37.61 3.29 0.00	36.37 2.86 -0.27	37.90 3.04 -0.28	38.47 3.22 -0.26	39.45 3.40 -0.33	39.31 3.48 -0.99	41.58 3.56 -0.92	44.43 3.65 -1.88	48.90 3.62 -9.46	53.15 4.87 -3.15	56.16 5.51 -2.32	57.72 5.18 -7.88	46.77 4.86 -2.03	40.71 4.35 -2.10	38.04 4.00 -1.77
EAST_POINT___SOLAR 323840	42.45 2.52 0.00	33.14 1.88 0.00	33.58 1.93 0.00	31.98 1.90 0.00	31.69 1.85 0.00	32.25 1.91 0.00	30.28 1.74 0.00	31.49 1.53 0.00	32.69 1.50 0.00	36.13 1.82 0.00	35.13 1.89 0.00	36.54 1.97 0.00	36.95 1.96 0.00	37.65 1.93 0.00	36.79 1.95 0.00	39.25 2.15 0.00	42.33 2.25 -1.18	49.62 2.19 -11.61	50.68 3.07 -2.49	52.88 3.58 -0.97	51.31 3.57 -3.07	43.81 3.19 -0.74	39.22 2.50 -2.47	36.87 2.29 -2.30
EAST_PULASKI___ESR 323781	39.25 -0.68 0.00	30.64 -0.62 0.00	30.96 -0.70 0.00	29.48 -0.60 0.00	29.27 -0.57 0.00	29.82 -0.52 0.00	27.88 -0.66 0.00	29.27 -0.69 0.00	30.44 -0.75 0.00	33.46 -0.86 0.00	32.38 -0.86 0.00	33.64 -0.93 0.00	33.97 -1.02 0.00	34.69 -1.04 0.00	33.65 -1.18 0.00	35.91 -1.19 0.00	37.74 -1.21 -0.06	35.26 -1.11 -0.55	43.97 -1.22 -0.07	47.18 -1.16 -0.01	43.83 -0.98 -0.14	39.02 -0.88 -0.02	33.62 -0.75 -0.12	31.73 -0.65 -0.11
EAST_RIVER___1 323558	42.37 2.44 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.98 1.90 0.00	31.72 1.88 0.00	32.15 1.82 0.00	30.59 2.06 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.06 2.75 0.00	35.97 2.73 0.00	37.48 2.90 0.00	38.03 3.04 0.00	38.87 3.14 0.00	38.08 3.24 0.00	40.47 3.38 0.00	43.29 3.50 -0.89	47.95 3.29 -8.84	50.30 3.83 -1.34	52.78 4.11 -0.34	50.64 3.66 -2.31	43.61 3.35 -0.38	38.97 2.84 -1.88	36.45 2.42 -1.75
EAST_RIVER___2 323559	42.49 2.56 0.00	33.42 2.16 0.00	33.87 2.21 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.22 1.88 0.00	30.68 2.14 0.00	32.21 2.25 0.00	33.66 2.46 0.00	37.20 2.88 0.00	36.13 2.89 0.00	37.65 3.08 0.00	38.21 3.22 0.00	39.01 3.28 0.00	38.26 3.42 0.00	40.63 3.53 0.00	43.44 3.65 -0.89	48.10 3.44 -8.84	50.48 4.01 -1.34	52.97 4.30 -0.34	50.82 3.84 -2.31	43.77 3.51 -0.38	39.08 2.95 -1.88	36.54 2.52 -1.75
EAST___DELAWARE_HYD 23607	42.17 2.23 0.00	33.14 1.88 0.00	33.49 1.84 0.00	31.74 1.65 0.00	31.54 1.70 0.00	31.97 1.64 0.00	30.28 1.74 0.00	31.91 1.95 0.00	33.19 2.00 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.93 2.35 0.00	37.44 2.45 0.00	38.15 2.43 0.00	37.38 2.54 0.00	39.77 2.67 0.00	42.56 2.84 -0.83	46.82 2.72 -8.28	49.43 3.29 -1.02	52.14 3.67 -0.14	50.17 3.35 -2.15	43.11 2.95 -0.28	38.45 2.43 -1.76	36.04 2.13 -1.64
EIGHT_POINT___WT_PWR 323820	39.73 -0.20 0.00	30.57 -0.69 0.00	30.77 -0.89 0.00	29.30 -0.78 0.00	29.10 -0.74 0.00	29.55 -0.79 0.00	27.56 -0.97 0.00	28.97 -0.99 0.00	29.91 -1.28 0.00	32.60 -1.71 0.00	31.71 -1.53 0.00	32.95 -1.62 0.00	33.10 -1.89 0.00	33.90 -1.82 0.00	32.92 -1.92 0.00	35.21 -1.89 0.00	36.83 -2.22 -0.16	35.25 -2.11 -1.55	42.64 -2.66 -0.18	45.84 -2.52 -0.03	42.66 -2.41 -0.40	37.94 -1.99 -0.05	32.87 -1.71 -0.33	31.16 -1.42 -0.31
ELBRIDGE_115KV_TB2 80188	39.53 -0.40 0.00	30.82 -0.44 0.00	31.18 -0.47 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.94 -0.39 0.00	28.08 -0.46 0.00	29.48 -0.48 0.00	30.66 -0.53 0.00	33.66 -0.65 0.00	32.64 -0.60 0.00	33.92 -0.66 0.00	34.29 -0.70 0.00	35.01 -0.71 0.00	34.04 -0.80 0.00	36.28 -0.82 0.00	38.08 -0.89 -0.08	35.80 -0.82 -0.81	44.23 -0.99 -0.10	47.33 -1.01 -0.01	43.94 -0.94 -0.21	39.11 -0.80 -0.03	33.81 -0.62 -0.17	31.98 -0.45 -0.16
ELEC_TRO_TEK 24086	42.69 2.76 0.00	33.57 2.31 0.00	33.93 2.28 0.00	31.98 1.90 0.00	31.81 1.97 0.00	32.18 1.85 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.81 2.62 0.00	37.27 2.95 0.00	37.41 2.79 -1.38	38.95 2.94 -1.43	39.41 3.08 -1.34	40.52 3.11 -1.69	43.03 3.21 -4.99	45.04 3.30 -4.64	48.21 3.42 -5.90	50.90 3.19 -11.89	59.42 3.79 -10.51	62.82 4.11 -10.38	64.92 3.66 -16.59	51.96 3.35 -8.73	40.35 3.12 -2.98	36.93 2.87 -1.78
ELLENBURG_WT_PWR 323604	39.89 -0.04 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.11 0.03 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.90 -0.06 0.00	31.19 0.00 0.00	34.38 0.07 0.00	33.27 0.03 0.00	34.54 -0.03 0.00	34.89 -0.10 0.00	35.62 -0.11 0.00	34.80 -0.03 0.00	36.99 -0.11 0.00	38.81 -0.08 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.19 -0.14 0.00	44.49 -0.18 0.00	39.48 -0.40 0.00	33.74 -0.51 0.00	31.56 -0.71 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	38.73 -1.20 0.00	29.60 -1.66 0.00	29.79 -1.87 0.00	28.43 -1.65 0.00	28.29 -1.55 0.00	28.67 -1.67 0.00	26.68 -1.85 0.00	28.04 -1.92 0.00	28.82 -2.37 0.00	31.23 -3.09 0.00	30.51 -2.73 0.00	31.81 -2.77 0.00	32.02 -2.97 0.00	32.76 -2.96 0.00	31.77 -3.07 0.00	33.91 -3.19 0.00	35.32 -3.69 -0.12	33.31 -3.73 -1.21	40.37 -4.87 -0.13	43.47 -4.88 -0.02	40.38 -4.60 -0.32	36.21 -3.71 -0.04	31.46 -3.05 -0.26	30.12 -2.39 -0.24
EMPIRE_CC_1 323656	41.41 1.48 0.00	32.51 1.25 0.00	32.95 1.30 0.00	31.23 1.14 0.00	30.97 1.13 0.00	31.52 1.18 0.00	29.79 1.25 0.00	31.25 1.29 0.00	32.56 1.37 0.00	35.82 1.51 0.00	34.70 1.46 0.00	36.13 1.56 0.00	36.57 1.58 0.00	37.33 1.61 0.00	36.58 1.74 0.00	38.95 1.85 0.00	41.89 1.94 -1.05	47.61 1.72 -10.07	52.03 2.21 -4.70	53.43 2.42 -2.68	49.64 2.19 -2.79	43.35 1.99 -1.48	38.00 1.61 -2.14	35.75 1.49 -2.00
EMPIRE_CC_2 323658	41.41 1.48 0.00	32.51 1.25 0.00	32.95 1.30 0.00	31.23 1.14 0.00	30.97 1.13 0.00	31.52 1.18 0.00	29.79 1.25 0.00	31.25 1.29 0.00	32.56 1.37 0.00	35.82 1.51 0.00	34.70 1.46 0.00	36.13 1.56 0.00	36.57 1.58 0.00	37.33 1.61 0.00	36.58 1.74 0.00	38.95 1.85 0.00	41.89 1.94 -1.05	47.61 1.72 -10.07	52.03 2.21 -4.70	53.43 2.42 -2.68	49.64 2.19 -2.79	43.35 1.99 -1.48	38.00 1.61 -2.14	35.75 1.49 -2.00
ENORWICH_115KV_TB1 80156	42.17 2.24 0.00	32.82 1.56 0.00	33.08 1.42 0.00	31.62 1.53 0.00	31.42 1.58 0.00	32.18 1.85 0.00	29.93 1.40 0.00	31.43 1.47 0.00	32.56 1.37 0.00	35.62 1.30 0.00	34.60 1.36 0.00	35.82 1.24 0.00	36.22 1.22 0.00	36.76 1.04 0.00	36.02 1.18 0.00	38.47 1.37 0.00	40.64 1.52 -0.23	39.59 1.47 -2.30	47.57 2.17 -0.28	50.93 2.56 -0.04	47.63 2.37 -0.60	41.99 2.03 -0.08	36.25 1.51 -0.49	34.18 1.45 -0.46
ERIE_ST__34_KV_TB1-2 80199	38.65 -1.28 0.00	29.51 -1.75 0.00	29.66 -1.99 0.00	28.31 -1.77 0.00	28.17 -1.67 0.00	28.54 -1.79 0.00	26.57 -1.97 0.00	28.01 -1.95 0.00	28.73 -2.46 0.00	31.19 -3.12 0.00	30.48 -2.76 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.72 -3.00 0.00	31.74 -3.10 0.00	33.87 -3.23 0.00	35.05 -3.97 -0.13	33.14 -3.94 -1.26	40.11 -5.14 -0.13	43.28 -5.07 -0.02	40.12 -4.87 -0.33	35.97 -3.95 -0.04	31.20 -3.32 -0.27	29.81 -2.71 -0.25
ERIE_WT_PWR 323693	38.81 -1.12 0.00	29.70 -1.56 0.00	29.85 -1.80 0.00	28.46 -1.62 0.00	28.26 -1.58 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.55 -2.69 0.00	31.88 -2.70 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.32 -3.70 -0.13	33.38 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.79 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.50 -3.01 -0.26	30.13 -2.39 -0.25
ESPRGFLD_115KV_TB1 80157	41.37 1.44 0.00	32.29 1.03 0.00	32.73 1.08 0.00	31.20 1.11 0.00	30.97 1.13 0.00	31.55 1.21 0.00	29.50 0.97 0.00	30.95 0.99 0.00	32.16 0.97 0.00	35.38 1.06 0.00	34.37 1.13 0.00	35.71 1.14 0.00	36.15 1.15 0.00	36.83 1.11 0.00	35.99 1.15 0.00	38.40 1.30 0.00	40.24 1.40 0.05	36.53 1.33 0.61	47.60 1.80 -0.67	50.94 2.08 -0.53	46.55 2.01 0.12	41.94 1.83 -0.23	35.53 1.40 0.13	33.44 1.29 0.12
ETNA_115_KV_TB1_REV_LBMP_C 345029	40.41 0.48 0.00	31.48 0.22 0.00	31.81 0.16 0.00	30.29 0.21 0.00	30.08 0.24 0.00	30.61 0.27 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.29 0.09 0.00	34.28 -0.03 0.00	33.24 0.00 0.00	34.50 -0.07 0.00	34.82 -0.17 0.00	35.54 -0.18 0.00	34.56 -0.28 0.00	36.88 -0.22 0.00	38.87 -0.19 -0.17	37.38 -0.11 -1.67	45.37 0.05 -0.20	48.55 0.19 -0.03	45.23 0.13 -0.43	40.05 0.12 -0.06	34.71 0.10 -0.36	32.80 0.19 -0.33
ETNA____115KV_TB2 80207	40.41 0.48 0.00	31.48 0.22 0.00	31.81 0.16 0.00	30.29 0.21 0.00	30.08 0.24 0.00	30.61 0.27 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.29 0.09 0.00	34.28 -0.03 0.00	33.24 0.00 0.00	34.50 -0.07 0.00	34.82 -0.17 0.00	35.54 -0.18 0.00	34.56 -0.28 0.00	36.88 -0.22 0.00	38.87 -0.19 -0.17	37.38 -0.11 -1.67	45.37 0.05 -0.20	48.55 0.19 -0.03	45.23 0.13 -0.43	40.05 0.12 -0.06	34.71 0.10 -0.36	32.80 0.19 -0.33
EUCLID___115KV_TB2 356179	39.33 -0.60 0.00	30.67 -0.59 0.00	31.02 -0.63 0.00	29.51 -0.57 0.00	29.30 -0.54 0.00	29.79 -0.55 0.00	27.94 -0.60 0.00	29.33 -0.63 0.00	30.54 -0.66 0.00	33.52 -0.79 0.00	32.47 -0.76 0.00	33.78 -0.80 0.00	34.15 -0.84 0.00	34.86 -0.86 0.00	33.90 -0.94 0.00	36.10 -1.00 0.00	37.91 -1.05 -0.06	35.45 -1.00 -0.64	43.98 -1.22 -0.08	47.09 -1.26 -0.01	43.67 -1.16 -0.17	38.90 -1.00 -0.02	33.64 -0.75 -0.13	31.78 -0.61 -0.13
E_CANADA_CAP_HY 24051	41.89 1.96 0.00	32.73 1.47 0.00	33.17 1.52 0.00	31.59 1.50 0.00	31.30 1.46 0.00	31.88 1.55 0.00	29.93 1.40 0.00	31.28 1.32 0.00	32.50 1.31 0.00	35.82 1.51 0.00	34.77 1.53 0.00	36.17 1.59 0.00	36.57 1.58 0.00	37.26 1.53 0.00	36.41 1.57 0.00	38.84 1.74 0.00	41.99 1.87 -1.23	49.73 1.83 -12.09	50.12 2.53 -2.47	52.15 2.90 -0.92	50.72 2.86 -3.19	43.24 2.63 -0.73	38.91 2.09 -2.57	36.57 1.90 -2.40
E_CANADA_MHWK_HY 24050	40.21 0.28 0.00	31.45 0.19 0.00	31.81 0.16 0.00	30.26 0.18 0.00	30.02 0.18 0.00	30.52 0.18 0.00	28.62 0.09 0.00	30.05 0.09 0.00	31.25 0.06 0.00	34.42 0.10 0.00	33.37 0.13 0.00	34.71 0.14 0.00	35.13 0.14 0.00	35.79 0.07 0.00	34.94 0.10 0.00	37.17 0.07 0.00	38.89 0.00 0.00	35.75 -0.07 0.00	45.03 -0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.64 -0.24 0.00	33.98 -0.28 0.00	31.98 -0.29 0.00
E_FISHKILL___LBMP 23776	41.81 1.88 0.00	32.89 1.63 0.00	33.30 1.65 0.00	31.50 1.41 0.00	31.27 1.43 0.00	31.76 1.43 0.00	30.13 1.60 0.00	31.67 1.71 0.00	33.00 1.81 0.00	36.41 2.09 0.00	35.30 2.06 0.00	36.79 2.21 0.00	37.30 2.31 0.00	38.12 2.39 0.00	37.31 2.47 0.00	39.70 2.60 0.00	42.48 2.68 -0.91	47.34 2.54 -8.97	49.51 3.02 -1.36	51.96 3.29 -0.34	49.96 2.95 -2.35	42.94 2.67 -0.39	38.39 2.23 -1.91	35.99 1.94 -1.78
FALCON___SEABRD_CC1 323796	40.41 0.48 0.00	31.70 0.44 0.00	32.03 0.38 0.00	30.50 0.42 0.00	30.14 0.30 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.38 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.30 0.31 0.00	36.04 0.32 0.00	35.22 0.38 0.00	37.39 0.30 0.00	39.28 0.39 0.00	36.32 0.50 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00
FALCON___SEABRD_CC2 323797	40.41 0.48 0.00	31.70 0.44 0.00	32.03 0.38 0.00	30.50 0.42 0.00	30.14 0.30 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.38 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.30 0.31 0.00	36.04 0.32 0.00	35.22 0.38 0.00	37.39 0.30 0.00	39.28 0.39 0.00	36.32 0.50 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00



FAR ROCKAWAY___4 23548	43.21 3.27 0.00	33.98 2.72 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.17 2.33 0.00	32.52 2.18 0.00	31.05 2.51 0.00	32.57 2.61 0.00	34.19 2.99 0.00	37.71 3.40 0.00	42.90 3.19 -6.46	44.65 3.35 -6.72	44.71 3.46 -6.26	47.21 3.54 -7.95	64.04 3.59 -25.61	64.65 3.71 -23.84	69.32 3.85 -26.58	63.78 3.58 -24.38	97.85 4.29 -48.44	104.93 4.64 -51.96	90.53 4.15 -41.71	87.01 3.83 -43.30	44.80 3.53 -7.02	37.35 3.26 -1.82
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	42.33 2.40 0.00	33.29 2.03 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.92 3.26 -8.84	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	42.33 2.40 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.92 3.26 -8.84	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.92 1.84 0.00	31.66 1.82 0.00	32.12 1.79 0.00	30.56 2.03 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.90 2.66 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.21 3.42 -0.89	47.89 3.22 -8.84	50.21 3.75 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.41 2.39 -1.75
FARRAGUT___LBMP 323566	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.99 2.68 0.00	35.87 2.63 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.17 3.38 -0.89	47.85 3.19 -8.84	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.75
FENNER___WINDPWR 24204	40.33 0.40 0.00	31.48 0.22 0.00	31.84 0.19 0.00	30.32 0.24 0.00	30.11 0.27 0.00	30.67 0.33 0.00	28.74 0.20 0.00	30.17 0.21 0.00	31.35 0.16 0.00	34.45 0.14 0.00	33.37 0.13 0.00	34.68 0.10 0.00	35.06 0.07 0.00	35.76 0.04 0.00	34.87 0.03 0.00	37.17 0.07 0.00	39.06 0.08 -0.09	36.83 0.11 -0.90	45.50 0.27 -0.11	48.73 0.38 -0.02	45.26 0.36 -0.23	40.23 0.32 -0.03	34.69 0.24 -0.19	32.71 0.26 -0.18
FIBERTEK___ENERGY 23856	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
FITZPATRICK___ 23598	38.81 -1.12 0.00	30.29 -0.97 0.00	30.64 -1.01 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.44 -1.39 0.00	35.65 -1.45 0.00	37.38 -1.56 -0.05	34.84 -1.43 -0.45	43.37 -1.81 -0.06	46.45 -1.89 -0.01	43.04 -1.74 -0.12	38.38 -1.52 -0.01	33.15 -1.20 -0.10	31.36 -1.00 -0.09
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	42.13 2.20 0.00	33.11 1.84 0.00	33.49 1.84 0.00	31.71 1.62 0.00	31.48 1.64 0.00	31.94 1.61 0.00	30.28 1.74 0.00	31.88 1.92 0.00	33.19 2.00 0.00	36.61 2.30 0.00	35.50 2.26 0.00	36.96 2.39 0.00	37.47 2.48 0.00	38.22 2.50 0.00	37.45 2.61 0.00	39.84 2.75 0.00	42.70 2.92 -0.89	47.44 2.76 -8.86	49.69 3.29 -1.28	52.24 3.62 -0.29	50.28 3.31 -2.31	43.15 2.91 -0.36	38.57 2.43 -1.88	36.19 2.16 -1.76
FORT ORANGE___ 23900	40.85 0.92 0.00	32.13 0.87 0.00	32.54 0.89 0.00	30.90 0.81 0.00	30.65 0.81 0.00	31.15 0.82 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.13 0.93 0.00	35.34 1.03 0.00	34.20 0.96 0.00	35.61 1.04 0.00	36.04 1.05 0.00	36.79 1.07 0.00	35.99 1.15 0.00	38.36 1.26 0.00	41.11 1.24 -0.97	47.22 1.07 -10.33	41.63 1.54 5.03	45.64 1.69 4.38	48.65 1.61 -2.38	39.53 1.40 1.74	37.58 1.13 -2.19	35.32 1.00 -2.05
FORT_DRUM_COGEN 23780	39.41 -0.52 0.00	30.76 -0.50 0.00	31.02 -0.63 0.00	29.63 -0.45 0.00	29.42 -0.42 0.00	30.12 -0.21 0.00	28.02 -0.51 0.00	29.36 -0.60 0.00	30.47 -0.72 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.87 -1.12 0.00	34.44 -1.29 0.00	33.45 -1.39 0.00	35.69 -1.41 0.00	37.69 -1.24 -0.04	35.24 -0.97 -0.38	44.49 -0.68 -0.05	47.90 -0.43 -0.01	44.54 -0.22 -0.10	39.57 -0.32 -0.01	33.79 -0.55 -0.08	31.80 -0.55 -0.08
FOX_HILLS___ESR 323835	56.94 2.72 -14.29	48.82 2.38 -15.19	33.99 2.31 -0.02	32.18 2.08 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.21 2.25 0.00	33.59 2.37 -0.02	41.38 2.64 -4.42	48.91 2.59 -13.08	49.77 2.84 -12.36	50.31 3.01 -12.31	49.83 3.07 -11.03	50.30 3.17 -12.29	49.00 3.23 -8.67	47.46 3.34 -5.22	50.28 3.30 -11.16	50.26 3.79 -1.34	52.73 4.06 -0.34	50.64 3.66 -2.31	46.30 3.19 -3.23	38.90 2.74 -1.90	36.53 2.48 -1.78
FPL_FAR_ROCK_GT1 24212	43.32 3.39 0.00	33.98 2.72 0.00	34.31 2.66 0.00	32.34 2.26 0.00	32.17 2.33 0.00	32.52 2.19 0.00	31.05 2.51 0.00	32.57 2.61 0.00	34.19 2.99 0.00	37.71 3.40 0.00	42.93 3.22 -6.46	44.65 3.35 -6.72	44.71 3.46 -6.26	47.21 3.54 -7.95	64.04 3.59 -25.61	64.69 3.75 -23.84	69.36 3.89 -26.58	63.78 3.58 -24.38	97.85 4.29 -48.44	104.93 4.64 -51.96	90.53 4.15 -41.71	87.01 3.83 -43.30	44.80 3.53 -7.02	37.34 3.26 -1.82
FPL_FAR_ROCK_GT2 23815	43.32 3.39 0.00	33.98 2.72 0.00	34.31 2.66 0.00	32.34 2.26 0.00	32.17 2.33 0.00	32.52 2.19 0.00	31.05 2.51 0.00	32.57 2.61 0.00	34.19 2.99 0.00	37.71 3.40 0.00	42.93 3.22 -6.46	44.65 3.35 -6.72	44.71 3.46 -6.26	47.21 3.54 -7.95	64.04 3.59 -25.61	64.69 3.75 -23.84	69.36 3.89 -26.58	63.78 3.58 -24.38	97.85 4.29 -48.44	104.93 4.64 -51.96	90.53 4.15 -41.71	87.01 3.83 -43.30	44.80 3.53 -7.02	37.34 3.26 -1.82
FRANKLIN_FALL_HYD 24054	39.93 0.00 0.00	31.32 0.06 0.00	31.68 0.03 0.00	30.17 0.09 0.00	29.75 -0.09 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.93 -0.03 0.00	31.22 0.03 0.00	34.49 0.17 0.00	33.34 0.10 0.00	34.57 0.00 0.00	34.92 -0.07 0.00	35.61 -0.11 0.00	34.80 -0.03 0.00	36.95 -0.15 0.00	38.85 -0.04 0.00	35.96 0.14 0.00	45.35 0.23 0.00	48.38 0.05 0.00	44.67 0.00 0.00	39.64 -0.24 0.00	33.88 -0.38 0.00	31.62 -0.65 0.00



FREEPORT_EQUS_GT1 23764	43.05	33.76	34.09	32.13	31.99	32.34	30.88	32.39	33.97	37.47	38.02	39.55	39.98	41.20	44.69	46.61	49.85	51.97	62.43	66.11	65.04	54.73	40.92	37.12
	3.12	2.50	2.44	2.05	2.15	2.00	2.34	2.43	2.78	3.15	2.99	3.11	3.25	3.28	3.38	3.49	3.58	3.37	4.06	4.40	3.93	3.63	3.36	3.07
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.79	-1.86	-1.73	-2.20	-6.47	-6.03	-7.39	-12.79	-13.24	-13.38	-16.44	-11.22	-3.31	-1.78
FREEPORT___CT2 23818	43.05	33.76	34.09	32.13	31.99	32.34	30.88	32.39	33.97	37.47	38.02	39.55	39.98	41.20	44.69	46.61	49.85	51.97	62.43	66.11	65.04	54.73	40.92	37.12
	3.12	2.50	2.44	2.05	2.15	2.00	2.34	2.43	2.78	3.15	2.99	3.11	3.25	3.28	3.38	3.49	3.58	3.37	4.06	4.40	3.93	3.63	3.36	3.07
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.79	-1.86	-1.73	-2.20	-6.47	-6.03	-7.39	-12.79	-13.24	-13.38	-16.44	-11.22	-3.31	-1.78
FRESHKLS_33_KV_LOAD 356253	56.98	48.85	33.99	32.21	32.00	32.40	30.82	32.21	33.52	39.73	44.23	45.33	45.89	45.86	45.89	45.85	45.83	49.37	50.11	52.62	50.54	45.23	38.83	36.53
	2.76	2.41	2.31	2.11	2.15	2.06	2.28	2.25	2.31	2.54	2.49	2.73	2.90	2.96	3.07	3.12	3.23	3.19	3.65	3.96	3.57	3.11	2.67	2.48
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-2.88	-8.50	-8.03	-8.00	-7.17	-7.98	-5.64	-3.71	-10.36	-1.34	-0.33	-2.30	-2.24	-1.90	-1.78
FULTON COGEN____ 23766	39.09	30.48	30.83	29.36	29.12	29.61	27.79	29.15	30.35	33.35	32.31	33.61	33.98	34.69	33.69	35.87	37.67	35.20	43.75	46.84	43.44	38.70	33.46	31.61
	-0.84	-0.78	-0.82	-0.72	-0.72	-0.73	-0.74	-0.81	-0.84	-0.96	-0.93	-0.97	-1.01	-1.04	-1.15	-1.22	-1.28	-1.22	-1.44	-1.50	-1.38	-1.20	-0.92	-0.77
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.60	-0.07	-0.01	-0.16	-0.02	-0.13	-0.12
FULTON___LFGE 323630	42.17	32.95	33.39	31.80	31.48	32.03	30.13	31.49	32.75	36.10	35.00	36.44	36.84	37.58	36.72	39.14	42.24	49.43	50.46	52.55	50.88	43.45	38.96	36.62
	2.23	1.69	1.74	1.71	1.64	1.70	1.60	1.53	1.56	1.78	1.76	1.87	1.85	1.86	1.88	2.04	2.18	2.11	2.84	3.24	3.17	2.83	2.26	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	-1.17	-11.50	-2.50	-0.98	-3.04	-0.74	-2.44	-2.28
G.F.CEMENT___DRP 24184	42.17	33.01	33.46	31.80	31.48	32.03	30.22	31.67	33.03	36.48	35.30	36.79	37.19	37.97	37.10	39.58	42.59	48.85	51.53	53.38	50.83	43.76	38.81	36.48
	2.24	1.75	1.80	1.71	1.64	1.70	1.68	1.71	1.84	2.16	2.06	2.21	2.20	2.25	2.26	2.49	2.61	2.40	3.11	3.43	3.31	2.87	2.30	2.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.09	-10.63	-3.29	-1.62	-2.86	-1.01	-2.26	-2.11
GARDENVILLE___LBMP 24039	38.77	29.64	29.79	28.43	28.32	28.67	26.68	28.07	28.82	31.26	30.55	31.84	32.02	32.79	31.81	33.95	35.32	33.37	40.38	43.52	40.43	36.21	31.47	30.10
	-1.16	-1.63	-1.87	-1.65	-1.52	-1.67	-1.85	-1.89	-2.37	-3.05	-2.69	-2.73	-2.97	-2.93	-3.03	-3.15	-3.69	-3.69	-4.87	-4.83	-4.56	-3.71	-3.05	-2.42
	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	-0.12	-1.24	-0.13	-0.02	-0.32	-0.04	-0.26	-0.25
GARDNVLA_35_KV_LD 355827	38.93	29.70	29.85	28.49	28.38	28.73	26.74	28.13	28.91	31.36	30.65	31.98	32.12	32.90	31.91	34.06	35.44	33.45	40.47	43.62	40.52	36.33	31.54	30.16
	-1.00	-1.56	-1.80	-1.59	-1.46	-1.61	-1.80	-1.83	-2.28	-2.95	-2.59	-2.59	-2.87	-2.82	-2.93	-3.04	-3.58	-3.62	-4.78	-4.74	-4.47	-3.59	-2.98	-2.36
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-1.24	-0.13	-0.02	-0.32	-0.04	-0.26	-0.25
GELCKHM___115KV_LOAD 80723	39.45	30.76	31.12	29.60	29.39	29.88	28.02	29.42	30.63	33.63	32.61	33.88	34.26	35.01	34.00	36.25	38.07	35.64	44.17	47.28	43.86	39.02	33.75	31.92
	-0.48	-0.50	-0.54	-0.48	-0.45	-0.46	-0.51	-0.54	-0.56	-0.69	-0.63	-0.69	-0.73	-0.71	-0.84	-0.85	-0.89	-0.86	-1.04	-1.06	-0.98	-0.88	-0.65	-0.48
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.68	-0.08	-0.01	-0.18	-0.02	-0.14	-0.14
GENERAL___MILLS 23808	38.85	29.67	29.82	28.46	28.32	28.70	26.71	28.10	28.85	31.29	30.58	31.91	32.09	32.83	31.84	33.98	35.36	33.37	40.38	43.57	40.43	36.25	31.47	30.13
	-1.08	-1.59	-1.84	-1.62	-1.52	-1.64	-1.83	-1.86	-2.34	-3.02	-2.66	-2.66	-2.90	-2.89	-3.00	-3.12	-3.66	-3.69	-4.87	-4.78	-4.56	-3.67	-3.05	-2.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.13	-1.24	-0.13	-0.02	-0.32	-0.04	-0.26	-0.25
GE_PLASTICS___DRP 24183	40.77	32.04	32.48	30.84	30.59	31.09	29.31	30.77	32.03	35.27	34.14	35.54	36.01	36.76	35.95	38.32	41.10	47.23	43.97	47.29	48.60	40.24	37.48	35.26
	0.84	0.78	0.82	0.75	0.75	0.76	0.77	0.81	0.84	0.96	0.90	0.97	1.01	1.04	1.11	1.22	1.21	1.07	1.40	1.55	1.43	1.28	1.03	0.94
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.00	-10.33	2.55	2.59	-2.50	0.92	-2.20	-2.05
GILBOA___1 23756	40.81	32.01	32.54	30.98	30.77	31.24	29.25	30.71	32.00	35.20	34.14	35.51	35.97	36.72	35.92	38.25	40.87	44.94	47.42	49.82	48.05	41.34	36.96	34.74
	0.88	0.75	0.89	0.90	0.93	0.91	0.71	0.75	0.81	0.89	0.90	0.93	0.98	1.00	1.08	1.15	1.17	1.07	1.31	1.35	1.30	1.20	0.99	0.87
	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	-0.81	-8.04	-0.99	-0.14	-2.09	-0.27	-1.71	-1.60
GILBOA___2 23757	40.81	32.01	32.54	30.98	30.77	31.24	29.25	30.71	32.00	35.20	34.14	35.51	35.97	36.72	35.92	38.25	40.87	44.94	47.42	49.82	48.05	41.34	36.96	34.74
	0.88	0.75	0.89	0.90	0.93	0.91	0.71	0.75	0.81	0.89	0.90	0.93	0.98	1.00	1.08	1.15	1.17	1.07	1.31	1.35	1.30	1.20	0.99	0.87
	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	-0.81	-8.04	-0.99	-0.14	-2.09	-0.27	-1.71	-1.60
GILBOA___3 23758	40.81	32.01	32.54	30.98	30.77	31.24	29.25	30.71	32.00	35.20	34.14	35.51	35.97	36.72	35.92	38.25	40.87	44.94	47.42	49.82	48.05	41.34	36.96	34.74
	0.88	0.75	0.89	0.90	0.93	0.91	0.71	0.75	0.81	0.89	0.90	0.93	0.98	1.00	1.08	1.15	1.17	1.07	1.31	1.35	1.30	1.20	0.99	0.87
	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	-0.81	-8.04	-0.99	-0.14	-2.09	-0.27	-1.71	-1.60
GILBOA___4 23759	40.81	32.01	32.54	30.98	30.77	31.24	29.25	30.71	32.00	35.20	34.14	35.51	35.97	36.72	35.92	38.25	40.87	44.94	47.42	49.82	48.05	41.34	36.96	34.74
	0.88	0.75	0.89	0.90	0.93	0.91	0.71	0.75	0.81	0.89	0.90	0.93	0.98	1.00	1.08	1.15	1.17	1.07	1.31	1.35	1.30	1.20	0.99	0.87
	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	-0.81	-8.04	-0.99	-0.14	-2.09	-0.27	-1.71	-1.60



GILBOA____ 23599	40.77 0.84 0.00	32.01 0.75 0.00	32.54 0.89 0.00	30.99 0.90 0.00	30.74 0.90 0.00	31.24 0.91 0.00	29.25 0.71 0.00	30.71 0.75 0.00	32.00 0.81 0.00	35.21 0.89 0.00	34.10 0.86 0.00	35.51 0.93 0.00	35.97 0.98 0.00	36.72 1.00 0.00	35.92 1.08 0.00	38.25 1.15 0.00	40.87 1.17 -0.81	44.94 1.07 -8.04	47.42 1.31 -0.99	49.82 1.35 -0.14	48.05 1.30 -2.09	41.34 1.20 -0.27	36.96 0.99 -1.71	34.74 0.87 -1.60
GINNA____ 23603	37.81 -2.12 0.00	29.17 -2.09 0.00	29.44 -2.22 0.00	27.98 -2.11 0.00	27.87 -1.97 0.00	28.33 -2.00 0.00	26.42 -2.11 0.00	27.68 -2.28 0.00	28.85 -2.34 0.00	31.50 -2.81 0.00	30.61 -2.63 0.00	31.91 -2.66 0.00	32.26 -2.73 0.00	32.94 -2.79 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.67 -3.31 -0.09	33.59 -3.12 -0.89	41.35 -3.88 -0.11	44.24 -4.11 -0.02	41.19 -3.71 -0.23	36.68 -3.23 -0.03	31.74 -2.71 -0.19	30.22 -2.23 -0.18
GLEN PARK____ 23778	39.49 -0.44 0.00	30.82 -0.44 0.00	31.08 -0.57 0.00	29.69 -0.39 0.00	29.54 -0.30 0.00	30.21 -0.12 0.00	28.11 -0.43 0.00	29.42 -0.54 0.00	30.51 -0.69 0.00	33.42 -0.89 0.00	32.34 -0.90 0.00	33.54 -1.04 0.00	33.87 -1.12 0.00	34.44 -1.28 0.00	33.44 -1.39 0.00	35.73 -1.37 0.00	37.69 -1.25 -0.04	35.29 -0.93 -0.40	44.58 -0.59 -0.05	48.10 -0.24 -0.01	44.72 -0.04 -0.10	39.73 -0.16 -0.01	33.89 -0.45 -0.08	31.90 -0.45 -0.08
GLENDALE_27_KV_LOAD 356172	42.61 2.68 0.00	33.55 2.28 -0.01	33.96 2.31 0.00	32.10 2.02 0.00	31.87 2.03 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.21 2.25 0.00	33.62 2.43 0.00	37.16 2.85 0.00	36.03 2.79 0.00	37.62 3.04 0.00	38.17 3.18 0.00	38.97 3.25 0.00	38.18 3.34 0.00	40.51 3.41 0.00	43.36 3.58 -0.89	48.07 3.40 -8.85	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	43.69 3.43 -0.38	39.01 2.88 -1.88	36.58 2.55 -1.76
GLENWOOD_IC_1_G5 23712	42.65 2.72 0.00	33.54 2.28 0.00	33.93 2.28 0.00	32.01 1.93 0.00	31.84 2.00 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.75 2.56 0.00	37.23 2.92 0.00	37.55 2.83 -1.49	39.13 3.01 -1.55	39.58 3.15 -1.44	40.77 3.21 -1.83	43.56 3.31 -5.41	45.55 3.41 -5.04	48.76 3.54 -6.32	51.30 3.33 -12.15	60.20 3.79 -11.29	63.68 4.11 -11.24	65.06 3.66 -16.73	52.67 3.35 -9.44	40.41 3.08 -3.07	36.83 2.78 -1.78
GLENWOOD_IC_2_G1 23688	42.49 2.56 0.00	33.39 2.13 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.06 0.00	32.12 2.16 0.00	33.56 2.37 0.00	37.06 2.75 0.00	35.97 2.69 -0.04	37.45 2.84 -0.04	37.97 2.94 -0.04	38.77 3.00 -0.05	38.09 3.10 -0.16	40.47 3.23 -0.15	43.29 3.35 -1.05	47.93 3.15 -8.96	50.46 3.70 -1.63	52.99 4.01 -0.65	51.07 3.57 -2.83	43.79 3.27 -0.64	39.05 2.88 -1.92	36.58 2.55 -1.76
GLENWOOD_IC_3_G1 23689	42.49 2.56 0.00	33.39 2.13 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.06 0.00	32.12 2.16 0.00	33.56 2.37 0.00	37.06 2.75 0.00	35.97 2.69 -0.04	37.45 2.84 -0.04	37.97 2.94 -0.04	38.77 3.00 -0.05	38.09 3.10 -0.16	40.47 3.23 -0.15	43.29 3.35 -1.05	47.93 3.15 -8.96	50.46 3.70 -1.63	52.99 4.01 -0.65	51.07 3.57 -2.83	43.79 3.27 -0.64	39.05 2.88 -1.92	36.58 2.55 -1.76
GLENWOOD____4 23550	42.65 2.72 0.00	33.54 2.28 0.00	33.93 2.28 0.00	32.01 1.93 0.00	31.84 2.00 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.75 2.56 0.00	37.23 2.92 0.00	37.55 2.83 -1.49	39.13 3.01 -1.55	39.58 3.15 -1.44	40.77 3.21 -1.83	43.56 3.31 -5.41	45.55 3.41 -5.04	48.76 3.54 -6.32	51.30 3.33 -12.15	60.25 3.84 -11.29	63.72 4.16 -11.24	65.11 3.71 -16.73	52.71 3.39 -9.44	40.41 3.08 -3.07	36.83 2.78 -1.78
GLENWOOD____5 23614	42.65 2.72 0.00	33.54 2.28 0.00	33.93 2.28 0.00	32.01 1.93 0.00	31.84 2.00 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.75 2.56 0.00	37.23 2.92 0.00	37.55 2.83 -1.49	39.13 3.01 -1.55	39.58 3.15 -1.44	40.77 3.21 -1.83	43.56 3.31 -5.41	45.55 3.41 -5.04	48.76 3.54 -6.32	51.30 3.33 -12.15	60.25 3.84 -11.29	63.72 4.16 -11.24	65.11 3.71 -16.73	52.71 3.39 -9.44	40.41 3.08 -3.07	36.83 2.78 -1.78
GLOBAL GREEN_PORT_GT1 23814	43.53 3.60 0.00	34.08 2.81 0.00	34.34 2.69 0.00	32.28 2.19 0.00	32.20 2.36 0.00	32.49 2.15 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.34 3.15 0.00	37.92 3.60 0.00	36.74 3.22 -0.27	38.28 3.42 -0.28	38.86 3.60 -0.26	39.81 3.75 -0.33	39.66 3.83 -0.99	41.95 3.93 -0.92	44.86 4.08 -1.88	49.26 3.98 -9.46	53.55 5.28 -3.15	56.54 5.89 -2.32	58.03 5.49 -7.88	46.97 5.07 -2.03	40.88 4.52 -2.10	38.17 4.13 -1.77
GLOBE____DSASP 323697	38.17 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.19 -1.90 0.00	28.05 -1.79 0.00	28.42 -1.91 0.00	26.37 -2.17 0.00	27.59 -2.37 0.00	28.26 -2.93 0.00	30.61 -3.71 0.00	29.88 -3.36 0.00	31.15 -3.42 0.00	31.35 -3.64 0.00	32.08 -3.64 0.00	31.08 -3.76 0.00	33.20 -3.90 0.00	34.65 -4.36 -0.12	32.59 -4.37 -1.14	39.55 -5.69 -0.11	42.55 -5.80 -0.02	39.56 -5.40 -0.30	35.49 -4.43 -0.04	30.87 -3.63 -0.24	29.72 -2.78 -0.23
GOETHSLN____LBMP 323567	42.09 2.16 0.00	33.14 1.88 0.00	33.61 1.96 0.00	31.77 1.68 0.00	31.51 1.67 0.00	31.97 1.64 0.00	30.45 1.91 0.00	31.97 2.01 0.00	33.37 2.18 0.00	36.45 2.57 0.44	34.50 2.56 1.30	36.08 2.73 1.23	36.64 2.87 1.22	37.59 2.96 1.10	36.68 3.07 1.22	39.43 3.19 0.86	42.66 3.31 -0.47	47.55 3.12 -8.61	49.99 3.52 -1.34	52.49 3.82 -0.34	50.37 3.39 -2.31	43.17 3.19 -0.10	38.84 2.71 -1.88	36.32 2.29 -1.75
GOLAH____69_KV_TB 1_2 80279	39.33 -0.60 0.00	30.29 -0.97 0.00	30.55 -1.11 0.00	29.18 -0.90 0.00	29.03 -0.81 0.00	29.45 -0.88 0.00	27.45 -1.08 0.00	28.73 -1.23 0.00	29.69 -1.50 0.00	32.29 -2.02 0.00	31.41 -1.83 0.00	32.67 -1.90 0.00	32.93 -2.06 0.00	33.65 -2.07 0.00	32.57 -2.26 0.00	34.76 -2.34 0.00	36.50 -2.49 -0.09	34.35 -2.40 -0.93	42.26 -2.98 -0.12	45.40 -2.95 -0.02	42.27 -2.64 -0.24	37.76 -2.15 -0.03	32.71 -1.75 -0.20	31.26 -1.19 -0.19
GOODYEAR_LAKE_HYD 323669	40.97 1.04 0.00	32.01 0.75 0.00	32.44 0.79 0.00	30.96 0.87 0.00	30.74 0.90 0.00	31.30 0.97 0.00	29.25 0.71 0.00	30.74 0.78 0.00	31.97 0.78 0.00	35.14 0.82 0.00	34.14 0.90 0.00	35.47 0.90 0.00	35.90 0.91 0.00	36.58 0.86 0.00	35.81 0.98 0.00	38.17 1.08 0.00	40.19 1.09 -0.21	38.91 1.00 -2.08	46.97 1.31 -0.54	50.03 1.45 -0.25	46.61 1.38 -0.56	41.28 1.24 -0.17	35.66 0.96 -0.44	33.59 0.90 -0.41
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	39.93 0.00 0.00	31.10 -0.16 0.00	31.43 -0.22 0.00	29.96 -0.12 0.00	29.72 -0.12 0.00	30.21 -0.12 0.00	28.31 -0.23 0.00	29.78 -0.18 0.00	30.88 -0.31 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.46 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.62 -0.61 -2.41	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.62 -0.67 -0.63	39.40 -0.56 -0.08	34.32 -0.45 -0.51	32.42 -0.32 -0.48



GOUDEY___7 23579	39.93 0.00 0.00	31.10 -0.16 0.00	31.43 -0.22 0.00	29.96 -0.12 0.00	29.72 -0.12 0.00	30.21 -0.12 0.00	28.31 -0.23 0.00	29.78 -0.18 0.00	30.88 -0.31 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.46 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.62 -0.61 -2.41	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.62 -0.67 -0.63	39.40 -0.56 -0.08	34.32 -0.45 -0.51	32.42 -0.32 -0.48
GOUDEY___8 23580	39.93 0.00 0.00	31.10 -0.16 0.00	31.43 -0.22 0.00	29.96 -0.12 0.00	29.72 -0.12 0.00	30.21 -0.12 0.00	28.31 -0.23 0.00	29.78 -0.18 0.00	30.88 -0.31 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.46 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.62 -0.61 -2.41	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.62 -0.67 -0.63	39.40 -0.56 -0.08	34.32 -0.45 -0.51	32.42 -0.32 -0.48
GOWANUS_GT1_1 24077	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_2 24078	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_3 24079	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_4 24080	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_5 24084	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_6 24111	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_7 24112	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT1_8 24113	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT2_1 24114	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
GOWANUS_GT2_2 24115	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
GOWANUS_GT2_3 24116	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
GOWANUS_GT2_4 24117	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
GOWANUS_GT2_5 24118	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78



GOWANUS_GT2_6 24119	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT2_7 24120	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT2_8 24121	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_1 24122	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_2 24123	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_3 24124	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_4 24125	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_5 24126	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_6 24127	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_7 24128	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT3_8 24129	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT4_1 24130	56.98	48.82	34.02	32.18	31.94	32.34	30.79	32.24	33.65	41.52	49.05	49.91	50.45	49.97	50.44	49.14	47.61	50.39	50.39	52.92	50.78	46.46	39.00	36.60
	2.76	2.38	2.34	2.08	2.09	2.00	2.25	2.28	2.43	2.78	2.73	2.97	3.15	3.21	3.31	3.38	3.50	3.40	3.93	4.25	3.80	3.35	2.84	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT4_2 24131	56.98	48.82	34.02	32.18	31.94	32.34	30.79	32.24	33.65	41.52	49.05	49.91	50.45	49.97	50.44	49.14	47.61	50.39	50.39	52.92	50.78	46.46	39.00	36.60
	2.76	2.38	2.34	2.08	2.09	2.00	2.25	2.28	2.43	2.78	2.73	2.97	3.15	3.21	3.31	3.38	3.50	3.40	3.93	4.25	3.80	3.35	2.84	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT4_3 24132	56.98	48.82	34.02	32.18	31.94	32.34	30.79	32.24	33.65	41.52	49.05	49.91	50.45	49.97	50.44	49.14	47.61	50.39	50.39	52.92	50.78	46.46	39.00	36.60
	2.76	2.38	2.34	2.08	2.09	2.00	2.25	2.28	2.43	2.78	2.73	2.97	3.15	3.21	3.31	3.38	3.50	3.40	3.93	4.25	3.80	3.35	2.84	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
GOWANUS_GT4_4 24133	56.98	48.82	34.02	32.18	31.94	32.34	30.79	32.24	33.65	41.52	49.05	49.91	50.45	49.97	50.44	49.14	47.61	50.39	50.39	52.92	50.78	46.46	39.00	36.60
	2.76	2.38	2.34	2.08	2.09	2.00	2.25	2.28	2.43	2.78	2.73	2.97	3.15	3.21	3.31	3.38	3.50	3.40	3.93	4.25	3.80	3.35	2.84	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78



GOWANUS_GT4_5 24134	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT4_6 24135	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT4_7 24136	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GOWANUS_GT4_8 24137	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GREATVRV_69_KV_BK1 356245	43.53 3.59 0.00	34.20 2.94 0.00	34.50 2.85 0.00	32.43 2.35 0.00	32.35 2.51 0.00	32.67 2.34 0.00	31.25 2.71 0.00	32.78 2.82 0.00	34.44 3.24 0.00	37.95 3.64 0.00	37.06 3.46 -0.36	38.54 3.60 -0.37	39.08 3.74 -0.35	40.02 3.86 -0.44	40.07 3.94 -1.29	42.35 4.04 -1.20	45.24 4.16 -2.19	49.48 4.01 -9.65	53.85 5.01 -3.72	56.78 5.51 -2.94	58.02 4.96 -8.39	46.97 4.55 -2.54	40.57 4.14 -2.17	37.75 3.71 -1.77
GREENBSH_115KV_TB3 55895	40.65 0.72 0.00	32.01 0.75 0.00	32.44 0.79 0.00	30.78 0.69 0.00	30.53 0.69 0.00	31.06 0.73 0.00	29.31 0.77 0.00	30.74 0.78 0.00	32.03 0.84 0.00	35.24 0.93 0.00	34.14 0.90 0.00	35.54 0.97 0.00	36.01 1.01 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.32 1.22 0.00	41.07 1.21 -0.97	47.19 1.00 -10.36	41.05 1.35 5.42	45.16 1.50 4.67	48.42 1.38 -2.37	39.24 1.24 1.87	37.48 1.03 -2.20	35.26 0.94 -2.06
GREENDGE_115KV_TB5 80291	40.01 0.08 0.00	30.95 -0.31 0.00	31.21 -0.44 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.03 -0.30 0.00	28.11 -0.43 0.00	29.51 -0.45 0.00	30.60 -0.59 0.00	33.42 -0.89 0.00	32.44 -0.80 0.00	33.71 -0.86 0.00	33.98 -1.01 0.00	34.72 -1.00 0.00	33.69 -1.15 0.00	35.99 -1.11 0.00	37.83 -1.21 -0.15	36.19 -1.11 -1.48	44.04 -1.26 -0.18	47.20 -1.16 -0.03	43.93 -1.12 -0.38	39.01 -0.92 -0.05	33.78 -0.79 -0.31	31.98 -0.58 -0.29
GREENIDGE___3 23582	40.01 0.08 0.00	30.95 -0.31 0.00	31.21 -0.44 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.03 -0.30 0.00	28.11 -0.43 0.00	29.51 -0.45 0.00	30.60 -0.59 0.00	33.42 -0.89 0.00	32.44 -0.80 0.00	33.71 -0.86 0.00	33.98 -1.01 0.00	34.72 -1.00 0.00	33.69 -1.15 0.00	35.99 -1.11 0.00	37.83 -1.21 -0.15	36.19 -1.11 -1.48	44.04 -1.26 -0.18	47.20 -1.16 -0.03	43.93 -1.12 -0.38	39.01 -0.92 -0.05	33.78 -0.79 -0.31	31.98 -0.58 -0.29
GREENIDGE___4 23583	39.97 0.04 0.00	30.95 -0.31 0.00	31.21 -0.44 0.00	29.75 -0.33 0.00	29.54 -0.30 0.00	30.03 -0.30 0.00	28.11 -0.43 0.00	29.51 -0.45 0.00	30.60 -0.59 0.00	33.42 -0.89 0.00	32.41 -0.83 0.00	33.71 -0.86 0.00	33.97 -1.02 0.00	34.72 -1.00 0.00	33.69 -1.15 0.00	35.99 -1.11 0.00	37.83 -1.21 -0.15	36.19 -1.11 -1.48	44.04 -1.26 -0.18	47.20 -1.16 -0.03	43.94 -1.11 -0.38	39.01 -0.92 -0.05	33.78 -0.79 -0.31	31.98 -0.58 -0.29
GREENLWN_69_KV_BK 3 55738	42.77 2.84 0.00	33.64 2.38 0.00	33.96 2.31 0.00	31.98 1.90 0.00	31.84 2.00 0.00	32.21 1.88 0.00	30.76 2.23 0.00	32.30 2.34 0.00	33.91 2.71 0.00	37.37 3.05 0.00	36.46 2.89 -0.33	37.95 3.04 -0.34	38.49 3.18 -0.32	39.37 3.25 -0.40	39.32 3.31 -1.17	41.60 3.41 -1.09	44.50 3.54 -2.07	48.73 3.33 -9.57	52.63 4.02 -3.49	55.37 4.35 -2.69	56.77 3.89 -8.21	45.76 3.55 -2.33	39.72 3.32 -2.14	37.04 3.00 -1.77
GREENWD_138_KV_38B11_REV_LBMP_J 345004	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78
GRISSOM___SOLAR 323813	42.09 2.15 0.00	32.92 1.66 0.00	33.36 1.71 0.00	31.74 1.65 0.00	31.45 1.61 0.00	32.00 1.67 0.00	30.10 1.57 0.00	31.49 1.53 0.00	32.75 1.56 0.00	36.10 1.78 0.00	35.00 1.76 0.00	36.44 1.87 0.00	36.84 1.85 0.00	37.58 1.86 0.00	36.72 1.88 0.00	39.14 2.04 0.00	42.23 2.18 -1.16	49.32 2.11 -11.39	50.42 2.80 -2.50	52.51 3.19 -0.99	50.76 3.08 -3.01	43.37 2.75 -0.74	38.87 2.19 -2.42	36.53 2.00 -2.26
GROVEVILLE___HYD 323602	42.13 2.20 0.00	33.11 1.84 0.00	33.49 1.84 0.00	31.71 1.62 0.00	31.48 1.64 0.00	31.94 1.61 0.00	30.28 1.74 0.00	31.88 1.92 0.00	33.19 2.00 0.00	36.61 2.30 0.00	35.50 2.26 0.00	36.96 2.39 0.00	37.47 2.48 0.00	38.22 2.50 0.00	37.45 2.61 0.00	39.84 2.75 0.00	42.70 2.92 -0.89	47.44 2.76 -8.86	49.69 3.29 -1.28	52.24 3.62 -0.29	50.28 3.31 -2.31	43.15 2.91 -0.36	38.57 2.43 -1.88	36.19 2.16 -1.76
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
HAMLTNNY_34_KV_TB 80303	39.81 -0.12 0.00	30.98 -0.28 0.00	31.31 -0.35 0.00	29.81 -0.27 0.00	29.60 -0.24 0.00	30.06 -0.27 0.00	28.22 -0.31 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.83 -0.48 0.00	32.81 -0.43 0.00	34.09 -0.48 0.00	34.43 -0.56 0.00	35.19 -0.54 0.00	34.18 -0.66 0.00	36.43 -0.67 0.00	38.27 -0.70 -0.08	35.95 -0.68 -0.81	44.46 -0.77 -0.10	47.57 -0.77 -0.01	44.16 -0.71 -0.21	39.31 -0.60 -0.03	33.98 -0.45 -0.17	32.14 -0.29 -0.16



HAMPSHIRE___PAPER_HYD 323593	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.97 -0.87 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.21 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.50 -1.59 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.89 -1.45 0.00	43.60 -1.11 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
HARDSCRABBLE_WT_PWR 323673	40.17 0.24 0.00	31.45 0.19 0.00	31.81 0.16 0.00	30.23 0.15 0.00	29.99 0.15 0.00	30.49 0.15 0.00	28.62 0.09 0.00	30.05 0.09 0.00	31.25 0.06 0.00	34.38 0.07 0.00	33.37 0.13 0.00	34.71 0.14 0.00	35.13 0.14 0.00	35.79 0.07 0.00	34.94 0.10 0.00	37.17 0.07 0.00	38.89 0.00 0.00	35.71 -0.11 0.00	44.99 -0.13 0.00	48.14 -0.19 0.00	44.44 -0.22 0.00	39.56 -0.32 0.00	33.91 -0.34 0.00	31.92 -0.35 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	41.93 2.00 0.00	32.98 1.72 0.00	33.36 1.71 0.00	31.59 1.50 0.00	31.36 1.52 0.00	31.82 1.49 0.00	30.19 1.66 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.22 2.50 0.00	37.45 2.61 0.00	39.84 2.75 0.00	42.62 2.88 -0.85	46.98 2.72 -8.44	49.63 3.25 -1.26	52.21 3.58 -0.31	50.09 3.22 -2.21	43.07 2.83 -0.36	38.41 2.36 -1.79	36.01 2.07 -1.68
HARSNRAD_115KV_TB1 81005	38.49 -1.44 0.00	29.42 -1.84 0.00	29.60 -2.06 0.00	28.25 -1.84 0.00	28.11 -1.73 0.00	28.48 -1.85 0.00	26.51 -2.03 0.00	27.80 -2.16 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.25 -2.99 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.44 -3.29 0.00	31.46 -3.38 0.00	33.57 -3.52 0.00	35.04 -3.97 -0.11	32.97 -3.98 -1.13	40.10 -5.14 -0.12	43.18 -5.17 -0.02	40.14 -4.82 -0.29	36.01 -3.91 -0.04	31.27 -3.22 -0.24	30.01 -2.48 -0.22
HARZA MOOSE___RIVER 24016	39.93 0.00 0.00	31.23 -0.03 0.00	31.56 -0.09 0.00	30.08 0.00 0.00	29.84 0.00 0.00	30.49 0.15 0.00	28.51 -0.03 0.00	29.93 -0.03 0.00	31.10 -0.09 0.00	34.18 -0.14 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.40 -0.32 0.00	34.39 -0.45 0.00	36.65 -0.45 0.00	38.53 -0.39 -0.02	35.82 -0.25 -0.25	45.06 -0.09 -0.03	48.34 0.00 0.00	44.82 0.09 -0.06	39.89 0.00 -0.01	34.14 -0.17 -0.05	32.13 -0.19 -0.05
HDSNBRDG_115KV_BRDG_TB1 355580	39.49 -0.44 0.00	30.76 -0.50 0.00	31.12 -0.54 0.00	29.63 -0.45 0.00	29.39 -0.45 0.00	29.88 -0.46 0.00	28.05 -0.49 0.00	29.42 -0.54 0.00	30.63 -0.56 0.00	33.63 -0.69 0.00	32.61 -0.63 0.00	33.92 -0.66 0.00	34.29 -0.70 0.00	35.01 -0.71 0.00	34.00 -0.84 0.00	36.25 -0.85 0.00	38.07 -0.89 -0.07	35.65 -0.86 -0.69	44.17 -1.04 -0.08	47.28 -1.06 -0.01	43.86 -0.98 -0.18	39.06 -0.84 -0.02	33.75 -0.65 -0.15	31.92 -0.48 -0.14
HELLGATE_13_KV_LD 55870	42.61 2.68 0.00	33.52 2.25 -0.01	33.96 2.31 0.00	32.10 2.02 0.00	31.87 2.03 0.00	32.21 1.88 0.00	30.70 2.17 0.00	32.18 2.22 0.00	33.59 2.40 0.00	37.09 2.78 0.00	36.00 2.76 0.00	37.55 2.97 0.00	38.14 3.15 0.00	38.97 3.25 0.00	38.15 3.31 0.00	40.51 3.41 0.00	43.32 3.54 -0.89	48.07 3.40 -8.85	50.39 3.93 -1.34	52.87 4.20 -0.34	50.73 3.75 -2.31	43.65 3.39 -0.38	39.01 2.88 -1.88	36.58 2.55 -1.76
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	42.61 2.68 0.00	33.52 2.25 -0.01	33.96 2.31 0.00	32.10 2.02 0.00	31.87 2.03 0.00	32.21 1.88 0.00	30.70 2.17 0.00	32.18 2.22 0.00	33.59 2.40 0.00	37.09 2.78 0.00	36.00 2.76 0.00	37.55 2.97 0.00	38.14 3.15 0.00	38.97 3.25 0.00	38.15 3.31 0.00	40.51 3.41 0.00	43.32 3.54 -0.89	48.07 3.40 -8.85	50.39 3.93 -1.34	52.87 4.20 -0.34	50.73 3.75 -2.31	43.65 3.39 -0.38	39.01 2.88 -1.88	36.58 2.55 -1.76
HEMPSTEAD___ 23647	42.68 2.75 0.00	33.51 2.25 0.00	33.87 2.21 0.00	31.95 1.87 0.00	31.78 1.94 0.00	32.15 1.82 0.00	30.68 2.14 0.00	32.18 2.22 0.00	33.75 2.56 0.00	37.20 2.88 0.00	37.46 2.79 -1.43	38.97 2.90 -1.49	39.42 3.04 -1.39	40.59 3.11 -1.76	43.02 3.17 -5.01	45.06 3.30 -4.66	48.19 3.38 -5.92	50.88 3.15 -11.90	59.41 3.74 -10.55	62.82 4.06 -10.42	63.50 3.62 -15.22	51.96 3.31 -8.77	40.36 3.08 -3.02	36.83 2.78 -1.78
HICKLING___1 23621	39.85 -0.08 0.00	30.85 -0.41 0.00	31.08 -0.57 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.91 -0.42 0.00	27.94 -0.60 0.00	29.42 -0.54 0.00	30.41 -0.78 0.00	33.22 -1.10 0.00	32.31 -0.93 0.00	33.61 -0.97 0.00	33.87 -1.12 0.00	34.65 -1.07 0.00	33.69 -1.15 0.00	35.95 -1.15 0.00	37.68 -1.40 -0.19	36.39 -1.33 -1.90	43.68 -1.67 -0.22	46.82 -1.55 -0.03	43.60 -1.56 -0.49	38.67 -1.28 -0.06	33.56 -1.10 -0.40	31.81 -0.84 -0.38
HICKLING___2 23622	39.85 -0.08 0.00	30.85 -0.41 0.00	31.08 -0.57 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.91 -0.42 0.00	27.94 -0.60 0.00	29.42 -0.54 0.00	30.41 -0.78 0.00	33.22 -1.10 0.00	32.31 -0.93 0.00	33.61 -0.97 0.00	33.87 -1.12 0.00	34.65 -1.07 0.00	33.69 -1.15 0.00	35.95 -1.15 0.00	37.68 -1.40 -0.19	36.39 -1.33 -1.90	43.68 -1.67 -0.22	46.82 -1.55 -0.03	43.60 -1.56 -0.49	38.67 -1.28 -0.06	33.56 -1.10 -0.40	31.81 -0.84 -0.38
HIGH FALLS___HY 23754	42.17 2.24 0.00	33.14 1.88 0.00	33.52 1.87 0.00	31.71 1.62 0.00	31.51 1.67 0.00	31.97 1.64 0.00	30.30 1.77 0.00	31.94 1.98 0.00	33.22 2.03 0.00	36.61 2.30 0.00	35.47 2.23 0.00	36.96 2.39 0.00	37.47 2.48 0.00	38.22 2.50 0.00	37.45 2.61 0.00	39.84 2.75 0.00	42.73 2.96 -0.89	47.53 2.87 -8.84	49.14 3.38 -0.63	51.92 3.77 0.18	50.34 3.39 -2.28	43.01 2.99 -0.14	38.67 2.53 -1.88	36.25 2.23 -1.75
HIGH_RIVER___SOLAR 323847	41.53 1.60 0.00	32.51 1.25 0.00	32.95 1.30 0.00	31.32 1.23 0.00	31.06 1.22 0.00	31.58 1.24 0.00	29.73 1.20 0.00	31.13 1.17 0.00	32.35 1.15 0.00	35.62 1.30 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.35 1.36 0.00	37.11 1.39 0.00	36.27 1.43 0.00	38.62 1.52 0.00	41.65 1.63 -1.12	48.39 1.57 -11.00	49.76 2.12 -2.52	51.78 2.42 -1.03	49.90 2.32 -2.92	42.70 2.07 -0.75	38.24 1.64 -2.34	35.97 1.52 -2.18
HILLBURN___GT 23639	41.93 2.00 0.00	33.01 1.75 0.00	33.39 1.74 0.00	31.62 1.53 0.00	31.36 1.52 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.53 2.29 0.00	37.03 2.46 0.00	37.58 2.59 0.00	38.37 2.64 0.00	37.59 2.75 0.00	39.96 2.86 0.00	42.75 2.99 -0.86	47.16 2.83 -8.51	49.74 3.34 -1.28	52.37 3.72 -0.31	50.15 3.26 -2.22	43.19 2.95 -0.36	38.49 2.43 -1.81	36.03 2.07 -1.69
HILLSIDE_115KV_TB1 80332	39.37 -0.56 0.00	30.54 -0.72 0.00	30.80 -0.85 0.00	29.39 -0.69 0.00	29.18 -0.66 0.00	29.64 -0.70 0.00	27.71 -0.83 0.00	29.21 -0.75 0.00	30.16 -1.03 0.00	32.98 -1.34 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.63 -1.36 0.00	34.36 -1.36 0.00	33.45 -1.39 0.00	35.69 -1.41 0.00	37.42 -1.67 -0.20	36.21 -1.58 -1.97	43.33 -2.03 -0.23	46.48 -1.88 -0.03	43.26 -1.92 -0.51	38.35 -1.60 -0.07	33.34 -1.34 -0.42	31.56 -1.10 -0.39



HISHELDN_WT_PWR 323625	38.81 -1.12 0.00	29.79 -1.47 0.00	29.97 -1.68 0.00	28.55 -1.53 0.00	28.35 -1.49 0.00	28.79 -1.55 0.00	26.79 -1.74 0.00	28.16 -1.80 0.00	28.98 -2.21 0.00	31.47 -2.85 0.00	30.65 -2.59 0.00	31.94 -2.63 0.00	32.16 -2.83 0.00	32.90 -2.82 0.00	31.91 -2.93 0.00	34.10 -3.00 0.00	35.53 -3.50 -0.13	33.72 -3.44 -1.34	40.71 -4.56 -0.14	43.81 -4.55 -0.02	40.73 -4.29 -0.35	36.41 -3.51 -0.04	31.63 -2.91 -0.28	30.11 -2.42 -0.27
HOLTSVILLE_IC_1 23690	43.24 3.31 0.00	33.89 2.63 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.12 2.93 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.10 3.25 -0.28	38.61 3.36 -0.26	39.51 3.46 -0.33	39.36 3.56 -0.97	41.64 3.64 -0.90	44.45 3.70 -1.87	48.82 3.55 -9.45	52.71 4.47 -3.12	55.44 4.83 -2.28	56.84 4.33 -7.84	45.90 4.03 -2.00	40.09 3.73 -2.10	37.43 3.39 -1.77
HOLTSVILLE_IC_10 23699	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.79 3.26 -0.29	38.27 3.39 -0.30	38.80 3.53 -0.28	39.72 3.65 -0.35	39.61 3.73 -1.04	41.89 3.82 -0.97	44.76 3.93 -1.94	49.08 3.76 -9.50	53.16 4.78 -3.26	55.99 5.22 -2.43	57.33 4.69 -7.98	46.31 4.31 -2.12	40.34 3.97 -2.12	37.59 3.55 -1.77
HOLTSVILLE_IC_2 23691	43.24 3.31 0.00	33.89 2.63 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.12 2.93 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.10 3.25 -0.28	38.61 3.36 -0.26	39.51 3.46 -0.33	39.36 3.56 -0.97	41.64 3.64 -0.90	44.45 3.70 -1.87	48.82 3.55 -9.45	52.71 4.47 -3.12	55.44 4.83 -2.28	56.84 4.33 -7.84	45.90 4.03 -2.00	40.09 3.73 -2.10	37.43 3.39 -1.77
HOLTSVILLE_IC_3 23692	43.24 3.31 0.00	33.89 2.63 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.12 2.93 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.10 3.25 -0.28	38.61 3.36 -0.26	39.51 3.46 -0.33	39.36 3.56 -0.97	41.64 3.64 -0.90	44.45 3.70 -1.87	48.82 3.55 -9.45	52.71 4.47 -3.12	55.44 4.83 -2.28	56.84 4.33 -7.84	45.90 4.03 -2.00	40.09 3.73 -2.10	37.43 3.39 -1.77
HOLTSVILLE_IC_4 23693	43.24 3.31 0.00	33.89 2.63 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.12 2.93 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.10 3.25 -0.28	38.61 3.36 -0.26	39.51 3.46 -0.33	39.36 3.56 -0.97	41.64 3.64 -0.90	44.45 3.70 -1.87	48.82 3.55 -9.45	52.71 4.47 -3.12	55.44 4.83 -2.28	56.84 4.33 -7.84	45.90 4.03 -2.00	40.09 3.73 -2.10	37.43 3.39 -1.77
HOLTSVILLE_IC_5 23694	43.24 3.31 0.00	33.89 2.63 0.00	34.19 2.53 0.00	32.16 2.07 0.00	32.05 2.21 0.00	32.37 2.03 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.12 2.93 0.00	37.58 3.26 0.00	36.60 3.09 -0.27	38.10 3.25 -0.28	38.61 3.36 -0.26	39.51 3.46 -0.33	39.36 3.56 -0.97	41.64 3.64 -0.90	44.45 3.70 -1.87	48.82 3.55 -9.45	52.71 4.47 -3.12	55.44 4.83 -2.28	56.84 4.33 -7.84	45.90 4.03 -2.00	40.09 3.73 -2.10	37.43 3.39 -1.77
HOLTSVILLE_IC_6 23695	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.79 3.26 -0.29	38.27 3.39 -0.30	38.80 3.53 -0.28	39.72 3.65 -0.35	39.61 3.73 -1.04	41.89 3.82 -0.97	44.76 3.93 -1.94	49.08 3.76 -9.50	53.16 4.78 -3.26	55.99 5.22 -2.43	57.33 4.69 -7.98	46.31 4.31 -2.12	40.34 3.97 -2.12	37.59 3.55 -1.77
HOLTSVILLE_IC_7 23696	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.79 3.26 -0.29	38.27 3.39 -0.30	38.80 3.53 -0.28	39.72 3.65 -0.35	39.61 3.73 -1.04	41.89 3.82 -0.97	44.76 3.93 -1.94	49.08 3.76 -9.50	53.16 4.78 -3.26	55.99 5.22 -2.43	57.33 4.69 -7.98	46.31 4.31 -2.12	40.34 3.97 -2.12	37.59 3.55 -1.77
HOLTSVILLE_IC_8 23697	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.79 3.26 -0.29	38.27 3.39 -0.30	38.80 3.53 -0.28	39.72 3.65 -0.35	39.61 3.73 -1.04	41.89 3.82 -0.97	44.76 3.93 -1.94	49.08 3.76 -9.50	53.16 4.78 -3.26	55.99 5.22 -2.43	57.33 4.69 -7.98	46.31 4.31 -2.12	40.34 3.97 -2.12	37.59 3.55 -1.77
HOLTSVILLE_IC_9 23698	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.79 3.26 -0.29	38.27 3.39 -0.30	38.80 3.53 -0.28	39.72 3.65 -0.35	39.61 3.73 -1.04	41.89 3.82 -0.97	44.76 3.93 -1.94	49.08 3.76 -9.50	53.16 4.78 -3.26	55.99 5.22 -2.43	57.33 4.69 -7.98	46.31 4.31 -2.12	40.34 3.97 -2.12	37.59 3.55 -1.77
HOMER_HL_115KV_TB2 355744	38.37 -1.56 0.00	29.45 -1.81 0.00	29.53 -2.12 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.54 -2.00 0.00	28.13 -1.83 0.00	28.76 -2.43 0.00	31.26 -3.05 0.00	30.51 -2.73 0.00	31.81 -2.77 0.00	31.98 -3.01 0.00	32.72 -3.00 0.00	31.77 -3.07 0.00	33.91 -3.19 0.00	34.99 -4.04 -0.14	33.31 -3.90 -1.39	40.17 -5.10 -0.15	43.47 -4.88 -0.02	40.16 -4.87 -0.36	35.86 -4.07 -0.05	31.12 -3.43 -0.30	29.64 -2.90 -0.28
HOWARD_WT_PWR 323690	39.77 -0.16 0.00	30.60 -0.66 0.00	30.77 -0.89 0.00	29.30 -0.78 0.00	29.10 -0.74 0.00	29.55 -0.79 0.00	27.56 -0.97 0.00	28.97 -0.99 0.00	29.91 -1.28 0.00	32.60 -1.71 0.00	31.71 -1.53 0.00	32.95 -1.62 0.00	33.13 -1.86 0.00	33.90 -1.82 0.00	32.92 -1.92 0.00	35.21 -1.89 0.00	36.83 -2.22 -0.16	35.28 -2.11 -1.57	42.69 -2.62 -0.18	45.90 -2.46 -0.03	42.71 -2.37 -0.41	37.98 -1.95 -0.05	32.91 -1.68 -0.33	31.20 -1.39 -0.31
HQ_GEN_CEDARS 23644	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	29.99 -0.09 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.00 -0.19 0.00	34.18 -0.14 0.00	33.07 -0.17 0.00	34.33 -0.24 0.00	34.71 -0.28 0.00	35.44 -0.29 0.00	34.60 -0.24 0.00	36.77 -0.33 0.00	38.66 -0.23 0.00	35.71 -0.11 0.00	45.03 -0.09 0.00	47.80 -0.53 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.91 -0.34 0.00	31.79 -0.48 0.00
HQ_GEN_CEDARS_PROXY 323590	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	29.99 -0.09 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.01 -0.19 0.00	34.18 -0.14 0.00	33.11 -0.13 0.00	34.33 -0.24 0.00	34.71 -0.28 0.00	35.44 -0.29 0.00	34.60 -0.24 0.00	36.76 -0.33 0.00	38.66 -0.23 0.00	35.71 -0.11 0.00	45.03 -0.09 0.00	47.80 -0.53 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.91 -0.34 0.00	31.79 -0.48 0.00



HQ_GEN_IMPORT 323601	39.65 -0.28 0.00	31.07 -0.19 0.00	31.43 -0.22 0.00	29.90 -0.18 0.00	29.60 -0.24 0.00	30.09 -0.24 0.00	28.31 -0.23 0.00	29.72 -0.24 0.00	30.98 -0.22 0.00	34.11 -0.20 0.00	33.01 -0.23 0.00	34.33 -0.24 0.00	34.71 -0.28 0.00	35.44 -0.29 0.00	34.60 -0.24 0.00	36.80 -0.30 0.00	38.62 -0.27 0.00	35.61 -0.21 0.00	44.85 -0.27 0.00	47.94 -0.39 0.00	44.36 -0.31 0.00	39.56 -0.32 0.00	33.95 -0.31 0.00	31.92 -0.35 0.00
HQ_GEN_WHEEL 23651	39.65 -0.28 0.00	31.07 -0.19 0.00	31.43 -0.22 0.00	29.90 -0.18 0.00	29.60 -0.24 0.00	30.09 -0.24 0.00	28.31 -0.23 0.00	29.72 -0.24 0.00	30.98 -0.22 0.00	34.11 -0.20 0.00	33.01 -0.23 0.00	34.33 -0.24 0.00	34.71 -0.28 0.00	35.44 -0.29 0.00	34.60 -0.24 0.00	36.80 -0.30 0.00	38.62 -0.27 0.00	35.61 -0.21 0.00	44.85 -0.27 0.00	47.94 -0.39 0.00	44.36 -0.31 0.00	39.56 -0.32 0.00	33.95 -0.31 0.00	31.92 -0.35 0.00
HUDSON AVE_GT_3 23810	42.33 2.40 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.92 3.26 -8.84	50.26 3.79 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
HUDSON AVE_GT_4 23540	42.33 2.40 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.92 3.26 -8.84	50.26 3.79 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
HUDSON AVE_GT_5 23657	42.33 2.40 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.04 3.21 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.92 3.26 -8.84	50.26 3.79 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
HUDSON_AVE_10 24168	42.25 2.32 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.87 2.63 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.17 3.38 -0.89	47.89 3.22 -8.84	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.75
HUDSON___115KV_TB 4 355613	41.25 1.32 0.00	32.42 1.16 0.00	32.82 1.17 0.00	31.17 1.08 0.00	30.91 1.07 0.00	31.40 1.06 0.00	29.59 1.06 0.00	31.07 1.11 0.00	32.31 1.12 0.00	35.51 1.20 0.00	34.34 1.10 0.00	35.75 1.18 0.00	36.18 1.19 0.00	36.87 1.14 0.00	36.09 1.25 0.00	38.47 1.37 0.00	41.31 1.44 -0.98	47.19 1.18 -10.18	43.66 1.94 3.40	47.31 2.17 3.19	49.19 2.10 -2.42	40.51 1.83 1.20	37.65 1.23 -2.16	35.45 1.16 -2.02
HUNTER MOUNT___DRP 323613	41.33 1.40 0.00	32.45 1.19 0.00	32.86 1.20 0.00	31.20 1.11 0.00	30.97 1.13 0.00	31.43 1.09 0.00	29.59 1.06 0.00	31.07 1.11 0.00	32.31 1.12 0.00	35.51 1.20 0.00	34.34 1.10 0.00	35.68 1.11 0.00	36.11 1.12 0.00	36.79 1.07 0.00	35.99 1.15 0.00	38.40 1.30 0.00	41.22 1.36 -0.97	46.78 0.97 -9.99	44.76 1.99 2.34	48.19 2.27 2.41	49.28 2.19 -2.42	40.90 1.87 0.85	37.44 1.06 -2.12	35.29 1.03 -1.98
HUNTINGTON_RES_REC 323705	43.13 3.20 0.00	33.79 2.53 0.00	34.09 2.44 0.00	32.10 2.02 0.00	31.99 2.15 0.00	32.30 1.97 0.00	30.88 2.34 0.00	32.42 2.46 0.00	34.03 2.84 0.00	37.51 3.19 0.00	36.59 3.06 -0.29	38.06 3.18 -0.30	38.60 3.33 -0.28	39.51 3.43 -0.36	39.41 3.52 -1.05	41.72 3.64 -0.98	44.58 3.73 -1.95	48.87 3.55 -9.50	52.82 4.42 -3.27	55.57 4.79 -2.45	56.96 4.29 -8.00	45.93 3.91 -2.14	40.00 3.63 -2.12	37.30 3.26 -1.77
HUNTLEY___63 23557	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.35 -1.49 0.00	28.73 -1.61 0.00	26.68 -1.85 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.32 -4.65 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
HUNTLEY___64 23558	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.35 -1.49 0.00	28.73 -1.61 0.00	26.68 -1.85 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.32 -4.65 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
HUNTLEY___65 23559	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.35 -1.49 0.00	28.73 -1.61 0.00	26.68 -1.85 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.32 -4.65 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
HUNTLEY___66 23560	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.35 -1.49 0.00	28.73 -1.61 0.00	26.68 -1.85 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.32 -4.65 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
HUNTLEY___67 23561	38.53 -1.40 0.00	29.51 -1.75 0.00	29.69 -1.96 0.00	28.34 -1.74 0.00	28.20 -1.64 0.00	28.57 -1.76 0.00	26.59 -1.94 0.00	27.92 -2.04 0.00	28.70 -2.50 0.00	31.12 -3.19 0.00	30.38 -2.86 0.00	31.67 -2.90 0.00	31.88 -3.11 0.00	32.61 -3.11 0.00	31.60 -3.24 0.00	33.76 -3.34 0.00	35.20 -3.81 -0.12	33.18 -3.83 -1.19	40.24 -5.01 -0.12	43.33 -5.03 -0.02	40.24 -4.73 -0.31	36.09 -3.83 -0.04	31.36 -3.15 -0.25	30.05 -2.45 -0.24
HUNTLEY___68 23562	38.53 -1.40 0.00	29.51 -1.75 0.00	29.69 -1.96 0.00	28.34 -1.74 0.00	28.20 -1.64 0.00	28.57 -1.76 0.00	26.59 -1.94 0.00	27.92 -2.04 0.00	28.70 -2.50 0.00	31.12 -3.19 0.00	30.38 -2.86 0.00	31.67 -2.90 0.00	31.88 -3.11 0.00	32.61 -3.11 0.00	31.60 -3.24 0.00	33.76 -3.34 0.00	35.20 -3.81 -0.12	33.18 -3.83 -1.19	40.24 -5.01 -0.12	43.33 -5.03 -0.02	40.24 -4.73 -0.31	36.09 -3.83 -0.04	31.36 -3.15 -0.25	30.05 -2.45 -0.24



HYLAND___LFGE 323620	41.13 1.20 0.00	31.45 0.19 0.00	31.68 0.03 0.00	30.17 0.09 0.00	30.08 0.24 0.00	30.55 0.21 0.00	28.42 -0.11 0.00	29.60 -0.36 0.00	30.35 -0.84 0.00	32.67 -1.65 0.00	31.48 -1.76 0.00	32.60 -1.97 0.00	32.68 -2.31 0.00	33.36 -2.36 0.00	32.58 -2.26 0.00	34.83 -2.26 0.00	36.81 -2.22 -0.13	35.29 -1.83 -1.30	43.74 -1.53 -0.15	47.53 -0.82 -0.02	44.47 -0.53 -0.34	39.56 -0.36 -0.04	34.15 -0.38 -0.28	32.50 -0.03 -0.26
INDECK___CORINTH 23802	42.05 2.11 0.00	32.89 1.62 0.00	33.36 1.71 0.00	31.71 1.62 0.00	31.39 1.55 0.00	31.94 1.61 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.94 1.75 0.00	36.37 2.06 0.00	35.23 1.99 0.00	36.68 2.11 0.00	37.09 2.10 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.48 2.38 0.00	42.48 2.49 -1.09	48.76 2.29 -10.65	51.28 2.98 -3.18	53.11 3.24 -1.54	50.65 3.13 -2.86	43.56 2.71 -0.97	38.68 2.16 -2.26	36.38 2.00 -2.11
INDECK___ILION 23567	40.13 0.20 0.00	31.42 0.16 0.00	31.81 0.16 0.00	30.23 0.15 0.00	29.99 0.15 0.00	30.52 0.18 0.00	28.65 0.11 0.00	30.08 0.12 0.00	31.32 0.12 0.00	34.45 0.14 0.00	33.41 0.17 0.00	34.75 0.17 0.00	35.17 0.17 0.00	35.86 0.14 0.00	35.01 0.17 0.00	37.25 0.15 0.00	39.01 0.12 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.43 0.10 0.00	44.71 0.04 0.00	39.88 0.00 0.00	34.22 -0.03 0.00	32.21 -0.06 0.00
INDECK___OLEAN 23982	38.29 -1.64 0.00	29.45 -1.81 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	27.99 -1.85 0.00	28.45 -1.88 0.00	26.54 -2.00 0.00	28.13 -1.83 0.00	28.76 -2.43 0.00	31.26 -3.05 0.00	30.48 -2.76 0.00	31.81 -2.77 0.00	31.98 -3.01 0.00	32.72 -3.00 0.00	31.77 -3.07 0.00	33.91 -3.19 0.00	34.95 -4.08 -0.14	33.31 -3.90 -1.39	40.17 -5.10 -0.15	43.48 -4.88 -0.02	40.16 -4.87 -0.36	35.86 -4.07 -0.05	31.13 -3.43 -0.30	29.64 -2.90 -0.28
INDECK___OSWEGO 23783	39.01 -0.92 0.00	30.45 -0.81 0.00	30.80 -0.85 0.00	29.30 -0.78 0.00	29.10 -0.74 0.00	29.58 -0.76 0.00	27.77 -0.77 0.00	29.12 -0.84 0.00	30.32 -0.87 0.00	33.32 -1.00 0.00	32.24 -1.00 0.00	33.50 -1.07 0.00	33.87 -1.12 0.00	34.61 -1.11 0.00	33.59 -1.25 0.00	35.80 -1.30 0.00	37.59 -1.36 -0.06	35.11 -1.29 -0.58	43.66 -1.53 -0.07	46.75 -1.59 -0.01	43.39 -1.43 -0.15	38.62 -1.28 -0.02	33.38 -0.99 -0.12	31.58 -0.81 -0.12
INDECK___YERKES 23781	38.85 -1.08 0.00	29.70 -1.56 0.00	29.82 -1.84 0.00	28.40 -1.68 0.00	28.32 -1.52 0.00	28.76 -1.58 0.00	26.71 -1.83 0.00	28.01 -1.95 0.00	28.76 -2.43 0.00	31.19 -3.12 0.00	30.41 -2.83 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.72 -3.00 0.00	31.70 -3.14 0.00	33.83 -3.26 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.37 -4.60 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
INDIAN POINT_GT_1 24139	41.89 1.96 0.00	32.98 1.72 0.00	33.39 1.74 0.00	31.59 1.50 0.00	31.36 1.52 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.33 2.61 0.00	37.56 2.72 0.00	39.92 2.82 0.00	42.73 2.96 -0.89	47.38 2.79 -8.76	49.75 3.29 -1.33	52.29 3.62 -0.33	50.17 3.22 -2.29	43.17 2.91 -0.38	38.51 2.40 -1.86	36.07 2.07 -1.74
INDIAN POINT_GT_2 23659	41.89 1.96 0.00	32.98 1.72 0.00	33.39 1.74 0.00	31.59 1.50 0.00	31.36 1.52 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.33 2.61 0.00	37.56 2.72 0.00	39.92 2.82 0.00	42.73 2.96 -0.89	47.38 2.79 -8.76	49.75 3.29 -1.33	52.29 3.62 -0.33	50.17 3.22 -2.29	43.17 2.91 -0.38	38.51 2.40 -1.86	36.07 2.07 -1.74
INDIAN POINT_GT_3 24019	41.89 1.96 0.00	32.98 1.72 0.00	33.39 1.74 0.00	31.59 1.50 0.00	31.36 1.52 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.33 2.61 0.00	37.56 2.72 0.00	39.92 2.82 0.00	42.73 2.96 -0.89	47.38 2.79 -8.76	49.75 3.29 -1.33	52.29 3.62 -0.33	50.17 3.22 -2.29	43.17 2.91 -0.38	38.51 2.40 -1.86	36.07 2.07 -1.74
INDIAN POINT___2 23530	41.89 1.96 0.00	32.95 1.69 0.00	33.36 1.71 0.00	31.59 1.50 0.00	31.33 1.49 0.00	31.82 1.49 0.00	30.22 1.68 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.50 2.26 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.30 2.57 0.00	37.56 2.72 0.00	39.92 2.82 0.00	42.69 2.92 -0.88	47.26 2.76 -8.68	49.73 3.29 -1.31	52.28 3.63 -0.33	50.11 3.17 -2.27	43.12 2.87 -0.37	38.50 2.40 -1.84	36.03 2.03 -1.72
INDIAN POINT___3 23531	41.89 1.96 0.00	32.95 1.69 0.00	33.36 1.71 0.00	31.56 1.47 0.00	31.33 1.49 0.00	31.82 1.49 0.00	30.22 1.68 0.00	31.79 1.83 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.96 2.39 0.00	37.47 2.48 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.88 2.78 0.00	42.69 2.92 -0.89	47.34 2.76 -8.76	49.70 3.25 -1.33	52.24 3.58 -0.33	50.13 3.17 -2.29	43.13 2.87 -0.38	38.48 2.36 -1.86	36.04 2.03 -1.74
INGHAM_C_115KV_TB7 356103	40.21 0.28 0.00	31.45 0.19 0.00	31.81 0.16 0.00	30.26 0.18 0.00	30.02 0.18 0.00	30.52 0.18 0.00	28.62 0.09 0.00	30.05 0.09 0.00	31.25 0.06 0.00	34.42 0.10 0.00	33.37 0.13 0.00	34.71 0.14 0.00	35.13 0.14 0.00	35.79 0.07 0.00	34.94 0.10 0.00	37.17 0.07 0.00	38.89 0.00 0.00	35.75 -0.07 0.00	45.03 -0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.64 -0.24 0.00	33.98 -0.27 0.00	31.98 -0.29 0.00
IP CORINTH___1 23988	42.05 2.12 0.00	32.89 1.63 0.00	33.36 1.71 0.00	31.68 1.59 0.00	31.39 1.55 0.00	31.94 1.61 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.94 1.75 0.00	36.37 2.06 0.00	35.23 1.99 0.00	36.68 2.11 0.00	37.09 2.10 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.47 2.37 0.00	42.47 2.49 -1.09	48.76 2.29 -10.65	51.28 2.98 -3.18	53.11 3.24 -1.54	50.65 3.13 -2.86	43.56 2.71 -0.97	38.67 2.16 -2.26	36.38 2.00 -2.11
IP___TICONDEROGA 23804	43.13 3.19 0.00	33.67 2.41 0.00	34.15 2.50 0.00	32.49 2.41 0.00	32.14 2.30 0.00	32.70 2.37 0.00	30.85 2.31 0.00	32.24 2.28 0.00	33.62 2.43 0.00	37.20 2.88 0.00	35.97 2.73 0.00	37.44 2.87 0.00	37.86 2.87 0.00	38.65 2.93 0.00	37.77 2.93 0.00	40.33 3.23 0.00	43.37 3.38 -1.09	49.57 3.12 -10.64	52.57 4.20 -3.25	54.61 4.69 -1.59	52.13 4.60 -2.86	44.78 3.91 -1.00	39.63 3.12 -2.26	37.29 2.90 -2.11
ISLIP_RES_REC 323679	43.60 3.67 0.00	34.13 2.87 0.00	34.44 2.79 0.00	32.40 2.32 0.00	32.29 2.45 0.00	32.61 2.28 0.00	31.16 2.62 0.00	32.72 2.75 0.00	34.34 3.15 0.00	37.85 3.54 0.00	36.90 3.36 -0.30	38.42 3.53 -0.32	38.96 3.67 -0.30	39.84 3.75 -0.37	39.77 3.83 -1.10	42.09 3.97 -1.02	44.97 4.08 -2.00	49.29 3.94 -9.53	53.49 5.01 -3.36	56.33 5.46 -2.54	57.64 4.91 -8.06	46.60 4.50 -2.21	40.49 4.11 -2.13	37.72 3.68 -1.77



JAMAICA__27_KV_LOAD 355505	42.33 2.40 0.00	33.42 2.16 0.00	33.87 2.22 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.25 1.91 0.00	30.76 2.23 0.00	32.24 2.28 0.00	33.66 2.46 0.00	37.20 2.88 0.00	36.00 2.76 0.00	37.55 2.97 0.00	38.14 3.15 0.00	38.97 3.25 0.00	38.18 3.34 0.00	40.44 3.34 0.00	43.25 3.46 -0.89	47.99 3.33 -8.84	50.35 3.88 -1.34	52.87 4.20 -0.34	50.73 3.75 -2.31	43.69 3.43 -0.38	39.18 3.05 -1.88	36.61 2.58 -1.75
JANIS__SOLAR 323808	41.29 1.36 0.00	32.13 0.87 0.00	32.41 0.76 0.00	30.92 0.84 0.00	30.73 0.89 0.00	31.37 1.03 0.00	29.28 0.74 0.00	30.71 0.75 0.00	31.85 0.66 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.88 0.31 0.00	35.24 0.25 0.00	35.83 0.11 0.00	34.94 0.10 0.00	37.36 0.26 0.00	39.48 0.39 -0.20	38.38 0.54 -2.02	46.41 1.04 -0.24	49.72 1.35 -0.03	46.44 1.25 -0.52	41.02 1.08 -0.07	35.47 0.79 -0.43	33.48 0.81 -0.40
JARVIS____ 23743	40.01 0.08 0.00	31.32 0.06 0.00	31.72 0.06 0.00	30.14 0.06 0.00	29.93 0.09 0.00	30.43 0.09 0.00	28.59 0.06 0.00	30.02 0.06 0.00	31.25 0.06 0.00	34.38 0.07 0.00	33.31 0.07 0.00	34.64 0.07 0.00	35.06 0.07 0.00	35.79 0.07 0.00	34.91 0.07 0.00	37.21 0.11 0.00	38.97 0.08 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.48 0.15 0.00	44.76 0.09 0.00	40.00 0.12 0.00	34.32 0.07 0.00	32.37 0.10 0.00
JENNISON____1 23625	41.33 1.40 0.00	32.23 0.97 0.00	32.54 0.89 0.00	31.08 0.99 0.00	30.85 1.01 0.00	31.52 1.18 0.00	29.36 0.83 0.00	30.86 0.90 0.00	32.03 0.84 0.00	35.10 0.79 0.00	34.14 0.90 0.00	35.40 0.83 0.00	35.80 0.80 0.00	36.44 0.71 0.00	35.68 0.84 0.00	38.06 0.96 0.00	40.16 1.01 -0.26	39.30 0.90 -2.59	46.70 1.26 -0.31	49.87 1.50 -0.04	46.68 1.34 -0.67	41.16 1.20 -0.09	35.63 0.82 -0.55	33.62 0.84 -0.51
JENNISON____2 23626	41.33 1.40 0.00	32.23 0.97 0.00	32.54 0.89 0.00	31.08 0.99 0.00	30.85 1.01 0.00	31.52 1.18 0.00	29.36 0.83 0.00	30.86 0.90 0.00	32.03 0.84 0.00	35.10 0.79 0.00	34.14 0.90 0.00	35.40 0.83 0.00	35.80 0.80 0.00	36.44 0.71 0.00	35.68 0.84 0.00	38.06 0.96 0.00	40.16 1.01 -0.26	39.30 0.90 -2.59	46.70 1.26 -0.31	49.87 1.50 -0.04	46.68 1.34 -0.67	41.16 1.20 -0.09	35.63 0.82 -0.55	33.62 0.84 -0.51
JERICOHO_RISE_WT_PWR 323719	39.81 -0.12 0.00	31.23 -0.03 0.00	31.59 -0.06 0.00	30.05 -0.03 0.00	29.72 -0.12 0.00	30.18 -0.15 0.00	28.42 -0.11 0.00	29.84 -0.12 0.00	31.13 -0.06 0.00	34.31 0.00 0.00	33.21 -0.03 0.00	34.47 -0.10 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.73 -0.10 0.00	36.91 -0.18 0.00	38.77 -0.12 0.00	35.82 0.00 0.00	45.12 0.00 0.00	48.09 -0.24 0.00	44.40 -0.27 0.00	39.40 -0.48 0.00	33.67 -0.58 0.00	31.46 -0.81 0.00
KATONAH__115KV_46KV_TB4 355592	42.17 2.24 0.00	33.14 1.88 0.00	33.55 1.90 0.00	31.77 1.68 0.00	31.51 1.67 0.00	32.00 1.67 0.00	30.36 1.83 0.00	31.94 1.98 0.00	33.31 2.12 0.00	36.75 2.44 0.00	35.70 2.46 0.00	37.20 2.63 0.00	37.72 2.73 0.00	38.54 2.82 0.00	37.73 2.89 0.00	40.14 3.04 0.00	42.98 3.19 -0.90	47.67 2.94 -8.91	49.99 3.52 -1.35	52.54 3.87 -0.34	50.48 3.48 -2.33	43.37 3.11 -0.38	38.75 2.60 -1.89	36.27 2.23 -1.77
KCE_NY_1 323755	41.97 2.04 0.00	32.85 1.59 0.00	33.33 1.68 0.00	31.62 1.53 0.00	31.33 1.49 0.00	31.88 1.55 0.00	30.07 1.54 0.00	31.52 1.56 0.00	32.88 1.68 0.00	36.23 1.92 0.00	35.10 1.86 0.00	36.54 1.97 0.00	36.98 1.99 0.00	37.76 2.04 0.00	36.93 2.09 0.00	39.36 2.26 0.00	42.36 2.37 -1.09	48.59 2.15 -10.62	51.28 2.80 -3.36	53.04 3.05 -1.67	50.43 2.90 -2.86	43.47 2.55 -1.03	38.57 2.06 -2.26	36.28 1.90 -2.11
KCE_NY_6_ESR 323823	38.81 -1.12 0.00	29.70 -1.56 0.00	29.85 -1.80 0.00	28.46 -1.62 0.00	28.26 -1.58 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.55 -2.69 0.00	31.88 -2.70 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.32 -3.70 -0.13	33.38 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.79 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.50 -3.01 -0.26	30.13 -2.39 -0.25
KEDC_PORT_JEFF_GT2 24210	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.49 2.15 0.00	31.07 2.54 0.00	32.60 2.64 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.78 3.26 -0.28	38.26 3.39 -0.29	38.80 3.53 -0.27	39.71 3.65 -0.35	39.59 3.73 -1.02	41.90 3.86 -0.95	44.78 3.97 -1.92	49.10 3.80 -9.48	53.11 4.78 -3.21	55.93 5.22 -2.38	57.29 4.69 -7.93	46.27 4.31 -2.08	40.30 3.94 -2.11	37.59 3.55 -1.77
KEDC_PORT_JEFF_GT3 24211	43.45 3.51 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.49 2.15 0.00	31.07 2.54 0.00	32.60 2.64 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.78 3.26 -0.28	38.26 3.39 -0.29	38.80 3.53 -0.27	39.71 3.65 -0.35	39.59 3.73 -1.02	41.90 3.86 -0.95	44.78 3.97 -1.92	49.10 3.80 -9.48	53.11 4.78 -3.21	55.93 5.22 -2.38	57.29 4.69 -7.93	46.27 4.31 -2.08	40.30 3.94 -2.11	37.59 3.55 -1.77
KEDC_GLWD_GT4 24219	42.73 2.79 0.00	33.54 2.28 0.00	33.93 2.28 0.00	32.04 1.95 0.00	31.84 2.00 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.75 2.56 0.00	37.27 2.95 0.00	37.59 2.86 -1.49	39.13 3.01 -1.55	39.58 3.15 -1.44	40.77 3.22 -1.83	43.56 3.31 -5.41	45.59 3.45 -5.04	48.75 3.54 -6.32	51.30 3.33 -12.15	60.20 3.79 -11.29	63.67 4.11 -11.24	65.06 3.66 -16.73	52.67 3.35 -9.44	40.41 3.08 -3.07	36.83 2.78 -1.78
KEDC_GLWD_GT5 24220	42.73 2.79 0.00	33.54 2.28 0.00	33.93 2.28 0.00	32.04 1.95 0.00	31.84 2.00 0.00	32.25 1.91 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.75 2.56 0.00	37.27 2.95 0.00	37.59 2.86 -1.49	39.13 3.01 -1.55	39.58 3.15 -1.44	40.77 3.22 -1.83	43.56 3.31 -5.41	45.59 3.45 -5.04	48.75 3.54 -6.32	51.30 3.33 -12.15	60.20 3.79 -11.29	63.67 4.11 -11.24	65.06 3.66 -16.73	52.67 3.35 -9.44	40.41 3.08 -3.07	36.83 2.78 -1.78
KENSICO____ 23655	42.01 2.08 0.00	33.04 1.78 0.00	33.46 1.80 0.00	31.65 1.56 0.00	31.42 1.58 0.00	31.91 1.58 0.00	30.30 1.77 0.00	31.88 1.92 0.00	33.22 2.03 0.00	36.65 2.33 0.00	35.57 2.33 0.00	37.10 2.52 0.00	37.61 2.62 0.00	38.44 2.71 0.00	37.66 2.82 0.00	40.03 2.93 0.00	42.82 3.03 -0.89	47.53 2.90 -8.81	49.89 3.43 -1.34	52.39 3.72 -0.34	50.32 3.35 -2.30	43.25 2.99 -0.38	38.63 2.50 -1.87	36.15 2.13 -1.75
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	42.13 2.20 0.00	33.11 1.84 0.00	33.49 1.84 0.00	31.71 1.62 0.00	31.51 1.67 0.00	31.94 1.61 0.00	30.28 1.74 0.00	31.91 1.95 0.00	33.19 2.00 0.00	36.54 2.23 0.00	35.43 2.19 0.00	36.89 2.32 0.00	37.40 2.41 0.00	38.15 2.43 0.00	37.38 2.54 0.00	39.77 2.67 0.00	42.63 2.88 -0.86	47.16 2.76 -8.58	49.26 3.29 -0.84	52.00 3.67 0.01	50.24 3.35 -2.22	43.05 2.95 -0.22	38.51 2.43 -1.82	36.13 2.16 -1.70



KIAC_JFK_GT1 23816	41.97 2.04 0.00	33.23 1.97 0.00	33.71 2.06 0.00	31.86 1.77 0.00	31.60 1.76 0.00	32.09 1.76 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.96 2.97 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.10 3.01 0.00	42.90 3.11 -0.89	47.67 3.01 -8.84	49.90 3.43 -1.34	52.39 3.72 -0.34	50.33 3.35 -2.31	43.29 3.03 -0.38	39.01 2.88 -1.88	36.41 2.39 -1.75
KIAC_JFK_GT2 23817	41.97 2.04 0.00	33.23 1.97 0.00	33.71 2.06 0.00	31.86 1.77 0.00	31.60 1.76 0.00	32.09 1.76 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.96 2.97 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.10 3.01 0.00	42.90 3.11 -0.89	47.67 3.01 -8.84	49.90 3.43 -1.34	52.39 3.72 -0.34	50.33 3.35 -2.31	43.29 3.03 -0.38	39.01 2.88 -1.88	36.41 2.39 -1.75
KIAC_JFK____ 323774	41.97 2.04 0.00	33.23 1.97 0.00	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.59 2.06 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.76 3.03 0.00	38.01 3.17 0.00	40.14 3.04 0.00	42.93 3.15 -0.89	47.67 3.01 -8.84	49.94 3.47 -1.34	52.39 3.72 -0.34	50.33 3.35 -2.31	43.33 3.07 -0.38	39.01 2.88 -1.88	36.41 2.39 -1.75
KINTIGH__24_KV_GSU 356498	38.69 -1.24 0.00	29.76 -1.50 0.00	29.98 -1.68 0.00	28.61 -1.47 0.00	28.44 -1.40 0.00	28.85 -1.49 0.00	26.88 -1.66 0.00	28.22 -1.74 0.00	29.10 -2.09 0.00	31.60 -2.71 0.00	30.81 -2.43 0.00	32.12 -2.45 0.00	32.33 -2.66 0.00	33.08 -2.64 0.00	32.05 -2.79 0.00	34.21 -2.89 0.00	35.88 -3.11 -0.10	33.73 -3.12 -1.03	41.20 -4.06 -0.14	44.24 -4.11 -0.02	41.09 -3.84 -0.27	36.80 -3.11 -0.03	31.94 -2.53 -0.22	30.60 -1.87 -0.20
KINTIGH____ 23543	38.69 -1.24 0.00	29.76 -1.50 0.00	29.98 -1.68 0.00	28.61 -1.47 0.00	28.44 -1.40 0.00	28.85 -1.49 0.00	26.88 -1.66 0.00	28.22 -1.74 0.00	29.10 -2.09 0.00	31.60 -2.71 0.00	30.81 -2.43 0.00	32.08 -2.49 0.00	32.33 -2.66 0.00	33.08 -2.64 0.00	32.05 -2.79 0.00	34.21 -2.89 0.00	35.88 -3.11 -0.10	33.73 -3.12 -1.03	41.20 -4.06 -0.14	44.24 -4.11 -0.02	41.09 -3.84 -0.27	36.80 -3.11 -0.03	31.94 -2.53 -0.22	30.60 -1.87 -0.20
KNTFSRNC_46_KV_46KV_LOAD 80397	40.41 0.48 0.00	31.70 0.44 0.00	32.06 0.41 0.00	30.50 0.42 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.37 0.00	34.83 0.51 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.34 0.35 0.00	36.08 0.36 0.00	35.22 0.38 0.00	37.43 0.33 0.00	39.32 0.43 0.00	36.36 0.54 0.00	45.84 0.72 0.00	48.96 0.63 0.00	45.11 0.45 0.00	40.04 0.16 0.00	34.19 -0.07 0.00	31.95 -0.32 0.00
LACHUTE____HYDRO 323717	43.13 3.20 0.00	33.67 2.41 0.00	34.15 2.50 0.00	32.49 2.41 0.00	32.14 2.30 0.00	32.70 2.37 0.00	30.85 2.31 0.00	32.24 2.28 0.00	33.63 2.43 0.00	37.20 2.88 0.00	35.97 2.73 0.00	37.44 2.87 0.00	37.86 2.87 0.00	38.65 2.93 0.00	37.77 2.93 0.00	40.33 3.23 0.00	43.33 3.35 -1.09	49.57 3.11 -10.64	52.57 4.20 -3.25	54.61 4.69 -1.59	52.13 4.60 -2.86	44.79 3.91 -1.00	39.63 3.12 -2.26	37.29 2.91 -2.11
LAWRNCALV_115KV_TB1 80681	38.97 -0.96 0.00	30.57 -0.69 0.00	30.93 -0.73 0.00	29.45 -0.63 0.00	29.06 -0.78 0.00	29.58 -0.76 0.00	27.79 -0.74 0.00	29.18 -0.78 0.00	30.41 -0.78 0.00	33.56 -0.75 0.00	32.47 -0.76 0.00	33.64 -0.93 0.00	34.01 -0.98 0.00	34.69 -1.04 0.00	33.86 -0.98 0.00	36.02 -1.08 0.00	37.88 -1.01 0.00	35.03 -0.79 0.00	44.26 -0.86 0.00	47.03 -1.30 0.00	43.73 -0.94 0.00	38.92 -0.96 0.00	33.30 -0.96 0.00	31.17 -1.10 0.00
LEDERLE____ 23769	42.01 2.08 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.42 1.58 0.00	31.91 1.58 0.00	30.30 1.77 0.00	31.91 1.95 0.00	33.22 2.03 0.00	36.65 2.33 0.00	35.57 2.33 0.00	37.10 2.52 0.00	37.61 2.62 0.00	38.40 2.68 0.00	37.63 2.79 0.00	40.03 2.93 0.00	42.80 3.03 -0.87	47.33 2.90 -8.61	49.85 3.43 -1.30	52.47 3.82 -0.32	50.27 3.35 -2.25	43.28 3.03 -0.37	38.58 2.50 -1.83	36.14 2.16 -1.71
LIGHTHSE_115KV_TB6 355974	39.29 -0.64 0.00	30.64 -0.63 0.00	30.96 -0.70 0.00	29.48 -0.60 0.00	29.27 -0.57 0.00	29.82 -0.52 0.00	27.88 -0.66 0.00	29.24 -0.72 0.00	30.41 -0.78 0.00	33.42 -0.89 0.00	32.38 -0.86 0.00	33.61 -0.97 0.00	33.98 -1.01 0.00	34.65 -1.07 0.00	33.65 -1.18 0.00	35.87 -1.22 0.00	37.74 -1.21 -0.05	35.25 -1.11 -0.54	44.02 -1.17 -0.07	47.23 -1.11 -0.01	43.91 -0.89 -0.14	39.06 -0.84 -0.02	33.62 -0.75 -0.12	31.76 -0.61 -0.11
LINDEN COGEN____ 23786	40.67 2.11 1.38	33.00 1.84 0.10	33.58 1.93 0.00	31.76 1.68 0.00	31.51 1.67 0.00	31.94 1.61 0.00	30.45 1.91 0.00	31.94 1.98 0.00	33.37 2.18 0.00	36.45 2.57 0.44	34.50 2.56 1.30	36.11 2.77 1.23	36.64 2.87 1.22	37.59 2.96 1.10	36.69 3.07 1.22	39.43 3.19 0.86	42.66 3.30 -0.47	47.51 3.08 -8.61	49.99 3.52 -1.34	49.68 3.82 2.47	43.87 3.35 4.15	39.91 3.15 3.12	36.46 2.64 0.43	36.28 2.26 -1.75
LINDHRST_69_KV_BK1 356055	43.21 3.27 0.00	33.98 2.72 0.00	34.28 2.63 0.00	32.28 2.20 0.00	32.17 2.33 0.00	32.49 2.15 0.00	31.05 2.51 0.00	32.60 2.64 0.00	34.22 3.03 0.00	37.71 3.40 0.00	37.07 3.19 -0.64	38.59 3.35 -0.67	39.11 3.50 -0.62	40.08 3.57 -0.79	40.87 3.66 -2.38	43.06 3.75 -2.21	46.02 3.85 -3.28	49.82 3.69 -10.31	55.34 4.51 -5.71	58.38 4.93 -5.12	59.28 4.42 -10.20	48.30 4.07 -4.36	40.42 3.77 -2.39	37.43 3.39 -1.77
LIPA_MISC_IPP 23656	43.21 3.27 0.00	33.95 2.69 0.00	34.25 2.60 0.00	32.19 2.11 0.00	32.11 2.27 0.00	32.43 2.09 0.00	31.02 2.48 0.00	32.54 2.58 0.00	34.16 2.96 0.00	37.64 3.33 0.00	36.60 3.09 -0.27	38.11 3.25 -0.28	38.68 3.43 -0.26	39.59 3.54 -0.33	39.41 3.59 -0.98	41.69 3.67 -0.91	44.54 3.77 -1.88	48.93 3.65 -9.46	52.91 4.65 -3.14	55.76 5.12 -2.31	57.18 4.65 -7.87	46.12 4.23 -2.02	40.29 3.94 -2.10	37.56 3.52 -1.77
LISF____SOLAR 323691	43.40 3.47 0.00	33.98 2.72 0.00	34.28 2.63 0.00	32.25 2.17 0.00	32.17 2.33 0.00	32.46 2.12 0.00	31.05 2.51 0.00	32.57 2.61 0.00	34.22 3.02 0.00	37.68 3.36 0.00	36.71 3.19 -0.28	38.18 3.32 -0.29	38.72 3.46 -0.27	39.63 3.57 -0.34	39.49 3.66 -0.99	41.77 3.75 -0.93	44.64 3.85 -1.89	49.01 3.73 -9.47	53.07 4.78 -3.17	55.89 5.22 -2.33	57.29 4.73 -7.89	46.27 4.35 -2.04	40.36 4.01 -2.10	37.62 3.58 -1.77
LITTLE FALLS____HYD 24013	40.21 0.28 0.00	31.45 0.19 0.00	31.81 0.16 0.00	30.26 0.18 0.00	30.02 0.18 0.00	30.52 0.18 0.00	28.62 0.09 0.00	30.05 0.09 0.00	31.25 0.06 0.00	34.42 0.10 0.00	33.37 0.13 0.00	34.71 0.14 0.00	35.13 0.14 0.00	35.79 0.07 0.00	34.94 0.10 0.00	37.17 0.07 0.00	38.89 0.00 0.00	35.75 -0.07 0.00	45.03 -0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.64 -0.24 0.00	33.98 -0.27 0.00	31.98 -0.29 0.00



LITTLRIV_115KV_TB1 356100	39.33 -0.60 0.00	30.85 -0.41 0.00	31.18 -0.47 0.00	29.72 -0.36 0.00	29.36 -0.48 0.00	29.91 -0.42 0.00	28.05 -0.49 0.00	29.42 -0.54 0.00	30.63 -0.56 0.00	33.73 -0.58 0.00	32.64 -0.60 0.00	33.81 -0.76 0.00	34.15 -0.84 0.00	34.79 -0.93 0.00	33.97 -0.87 0.00	36.13 -0.96 0.00	38.07 -0.82 0.00	35.32 -0.50 0.00	44.72 -0.41 0.00	47.61 -0.72 0.00	44.31 -0.36 0.00	39.36 -0.52 0.00	33.64 -0.62 0.00	31.46 -0.81 0.00
LI_NEWBRDGE___DRP 323616	42.57 2.64 0.00	33.48 2.22 0.00	33.84 2.18 0.00	31.86 1.77 0.00	31.72 1.88 0.00	32.09 1.76 0.00	30.65 2.11 0.00	32.15 2.19 0.00	33.72 2.53 0.00	37.20 2.88 -0.06	35.99 2.69 -0.06	37.47 2.84 -0.06	38.02 2.97 -0.06	38.80 3.00 -0.07	38.18 3.10 -0.24	40.51 3.19 -0.22	43.29 3.27 -1.14	47.91 3.08 -9.01	50.56 3.65 -1.78	53.11 3.96 -0.81	54.80 3.53 -6.61	43.89 3.23 -0.78	39.27 3.08 -1.93	36.84 2.81 -1.77
LOCKPORT_115KV_TB60_63_64 80432	38.49 -1.44 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.11 -1.73 0.00	28.48 -1.85 0.00	26.48 -2.05 0.00	27.77 -2.19 0.00	28.57 -2.62 0.00	30.95 -3.36 0.00	30.21 -3.02 0.00	31.50 -3.08 0.00	31.70 -3.29 0.00	32.44 -3.29 0.00	31.42 -3.41 0.00	33.54 -3.56 0.00	35.04 -3.97 -0.11	32.96 -3.98 -1.12	40.10 -5.14 -0.12	43.18 -5.17 -0.02	40.13 -4.82 -0.29	36.01 -3.91 -0.04	31.24 -3.25 -0.24	30.01 -2.48 -0.22
LOCKPORT___CC1 323769	38.41 -1.52 0.00	29.42 -1.84 0.00	29.72 -1.93 0.00	28.31 -1.77 0.00	28.05 -1.79 0.00	28.48 -1.85 0.00	26.51 -2.03 0.00	27.80 -2.16 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.18 -3.06 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.57 -3.53 0.00	35.04 -3.97 -0.11	32.97 -3.98 -1.13	40.10 -5.15 -0.12	43.18 -5.17 -0.02	40.13 -4.82 -0.29	35.97 -3.95 -0.04	31.27 -3.22 -0.24	30.01 -2.48 -0.22
LOCKPORT___CC2 323770	38.41 -1.52 0.00	29.42 -1.84 0.00	29.72 -1.93 0.00	28.31 -1.77 0.00	28.05 -1.79 0.00	28.48 -1.85 0.00	26.51 -2.03 0.00	27.80 -2.16 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.18 -3.06 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.57 -3.53 0.00	35.04 -3.97 -0.11	32.97 -3.98 -1.13	40.10 -5.15 -0.12	43.18 -5.17 -0.02	40.13 -4.82 -0.29	35.97 -3.95 -0.04	31.27 -3.22 -0.24	30.01 -2.48 -0.22
LOCKPORT___CC3 323771	38.41 -1.52 0.00	29.42 -1.84 0.00	29.72 -1.93 0.00	28.31 -1.77 0.00	28.05 -1.79 0.00	28.48 -1.85 0.00	26.51 -2.03 0.00	27.80 -2.16 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.18 -3.06 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.57 -3.53 0.00	35.04 -3.97 -0.11	32.97 -3.98 -1.13	40.10 -5.15 -0.12	43.18 -5.17 -0.02	40.13 -4.82 -0.29	35.97 -3.95 -0.04	31.27 -3.22 -0.24	30.01 -2.48 -0.22
LOCUSVLY_69_KV_BK2 55797	42.85 2.91 0.00	33.70 2.44 0.00	34.06 2.41 0.00	32.10 2.02 0.00	31.93 2.09 0.00	32.34 2.00 0.00	30.85 2.31 0.00	32.36 2.40 0.00	33.94 2.74 0.00	37.44 3.12 0.00	37.42 2.99 -1.19	38.99 3.18 -1.24	39.47 3.32 -1.15	40.58 3.39 -1.46	42.61 3.45 -4.32	44.68 3.56 -4.02	47.81 3.69 -5.23	50.78 3.47 -11.48	58.51 4.11 -9.28	61.81 4.45 -9.03	63.12 3.98 -14.48	51.12 3.63 -7.61	40.41 3.32 -2.83	37.05 3.00 -1.78
LONG_LAKE_PHOENIX 24014	39.09 -0.84 0.00	30.48 -0.78 0.00	30.83 -0.82 0.00	29.36 -0.72 0.00	29.12 -0.72 0.00	29.61 -0.73 0.00	27.79 -0.74 0.00	29.15 -0.81 0.00	30.35 -0.84 0.00	33.35 -0.96 0.00	32.31 -0.93 0.00	33.61 -0.97 0.00	33.98 -1.01 0.00	34.69 -1.04 0.00	33.69 -1.15 0.00	35.87 -1.22 0.00	37.67 -1.28 -0.06	35.20 -1.22 -0.60	43.75 -1.44 -0.07	46.84 -1.50 -0.01	43.44 -1.38 -0.16	38.70 -1.20 -0.02	33.46 -0.92 -0.13	31.61 -0.77 -0.12
LOVETT___3 23632	41.85 1.92 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.79 1.83 0.00	33.09 1.90 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.88 2.78 0.00	42.64 2.88 -0.88	47.20 2.72 -8.65	49.68 3.25 -1.31	52.23 3.58 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.46 2.36 -1.84	35.99 2.00 -1.72
LOVETT___4 23642	41.85 1.92 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.79 1.83 0.00	33.09 1.90 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.88 2.78 0.00	42.64 2.88 -0.88	47.20 2.72 -8.65	49.68 3.25 -1.31	52.23 3.58 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.46 2.36 -1.84	35.99 2.00 -1.72
LOVETT___5 23593	41.85 1.92 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.79 1.83 0.00	33.09 1.90 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.88 2.78 0.00	42.64 2.88 -0.88	47.20 2.72 -8.65	49.68 3.25 -1.31	52.23 3.58 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.46 2.36 -1.84	35.99 2.00 -1.72
LOWER RAQUET___HYD 24057	38.73 -1.20 0.00	30.39 -0.88 0.00	30.73 -0.92 0.00	29.27 -0.81 0.00	28.91 -0.93 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.22 -0.97 0.00	33.35 -0.96 0.00	32.27 -0.97 0.00	33.43 -1.14 0.00	33.80 -1.19 0.00	34.47 -1.25 0.00	33.65 -1.18 0.00	35.76 -1.33 0.00	37.65 -1.25 0.00	34.86 -0.97 0.00	44.04 -1.08 0.00	46.78 -1.55 0.00	43.50 -1.16 0.00	38.68 -1.20 0.00	33.09 -1.16 0.00	30.98 -1.29 0.00
LOWER___HUDSON 24059	41.57 1.64 0.00	32.60 1.34 0.00	33.04 1.39 0.00	31.32 1.23 0.00	31.03 1.19 0.00	31.61 1.27 0.00	29.88 1.34 0.00	31.31 1.35 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.80 1.56 0.00	36.23 1.66 0.00	36.67 1.68 0.00	37.44 1.71 0.00	36.65 1.81 0.00	39.06 1.96 0.00	42.04 2.06 -1.09	48.12 1.83 -10.47	52.07 2.39 -4.56	53.49 2.61 -2.55	49.96 2.41 -2.88	43.46 2.15 -1.43	38.23 1.75 -2.22	35.96 1.61 -2.08
LOWVILLE_115KV_TB2 356335	39.69 -0.24 0.00	31.01 -0.25 0.00	31.34 -0.32 0.00	29.87 -0.21 0.00	29.63 -0.21 0.00	30.30 -0.03 0.00	28.31 -0.23 0.00	29.69 -0.27 0.00	30.85 -0.34 0.00	33.87 -0.45 0.00	32.77 -0.47 0.00	33.99 -0.59 0.00	34.36 -0.63 0.00	34.97 -0.75 0.00	33.86 -0.98 0.00	36.10 -1.00 0.00	37.98 -0.93 -0.03	35.40 -0.68 -0.26	44.66 -0.50 -0.03	47.90 -0.43 0.00	44.47 -0.27 -0.07	39.53 -0.36 -0.01	33.76 -0.55 -0.06	31.74 -0.58 -0.05
LUTHERFT_115KV_GLOB_FND_222 355753	41.93 2.00 0.00	32.86 1.59 0.00	33.30 1.65 0.00	31.59 1.50 0.00	31.33 1.49 0.00	31.85 1.52 0.00	30.08 1.54 0.00	31.52 1.56 0.00	32.85 1.65 0.00	36.24 1.92 0.00	35.07 1.83 0.00	36.51 1.94 0.00	36.95 1.96 0.00	37.72 2.00 0.00	36.89 2.06 0.00	39.32 2.23 0.00	42.32 2.33 -1.09	48.56 2.11 -10.62	51.23 2.75 -3.36	52.99 3.00 -1.67	50.39 2.86 -2.86	43.42 2.51 -1.03	38.53 2.02 -2.26	36.25 1.87 -2.11



LUTHERNY_35_KV_BK2 355980	41.93 2.00 0.00	32.86 1.59 0.00	33.33 1.68 0.00	31.62 1.53 0.00	31.33 1.49 0.00	31.88 1.55 0.00	30.08 1.54 0.00	31.52 1.56 0.00	32.88 1.68 0.00	36.24 1.92 0.00	35.10 1.86 0.00	36.54 1.97 0.00	36.98 1.99 0.00	37.76 2.04 0.00	36.93 2.09 0.00	39.36 2.26 0.00	42.36 2.37 -1.09	48.59 2.15 -10.62	51.28 2.80 -3.36	53.04 3.04 -1.67	50.43 2.90 -2.86	43.46 2.55 -1.03	38.57 2.06 -2.26	36.28 1.90 -2.11
LWR___OSWEGATCHIE_HYD 23850	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.94 -0.90 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.22 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.54 -1.56 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.88 -1.45 0.00	43.60 -1.12 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
LYONS_FALL_HYD 23570	39.93 0.00 0.00	31.23 -0.03 0.00	31.56 -0.09 0.00	30.08 0.00 0.00	29.87 0.03 0.00	30.49 0.15 0.00	28.51 -0.03 0.00	29.93 -0.03 0.00	31.10 -0.09 0.00	34.18 -0.14 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.40 -0.32 0.00	34.39 -0.45 0.00	36.66 -0.44 0.00	38.53 -0.39 -0.02	35.82 -0.25 -0.25	45.06 -0.09 -0.03	48.34 0.00 0.00	44.82 0.09 -0.06	39.89 0.00 -0.01	34.14 -0.17 -0.05	32.13 -0.19 -0.05
MADISON___COUNTY_LFGE 323628	40.53 0.60 0.00	31.64 0.38 0.00	32.00 0.35 0.00	30.47 0.39 0.00	30.26 0.42 0.00	30.85 0.52 0.00	28.88 0.34 0.00	30.32 0.36 0.00	31.50 0.31 0.00	34.62 0.31 0.00	33.57 0.33 0.00	34.85 0.28 0.00	35.27 0.28 0.00	35.94 0.21 0.00	35.05 0.21 0.00	37.40 0.30 0.00	39.25 0.31 -0.04	36.57 0.32 -0.43	45.72 0.54 -0.05	49.06 0.72 -0.01	45.49 0.71 -0.11	40.49 0.60 -0.01	34.79 0.45 -0.09	32.81 0.45 -0.09
MALONE___115KV_TB1 356076	39.93 0.00 0.00	31.32 0.06 0.00	31.68 0.03 0.00	30.17 0.09 0.00	29.75 -0.09 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.93 -0.03 0.00	31.22 0.03 0.00	34.49 0.17 0.00	33.34 0.10 0.00	34.57 0.00 0.00	34.92 -0.07 0.00	35.61 -0.11 0.00	34.80 -0.03 0.00	36.95 -0.15 0.00	38.85 -0.04 0.00	35.96 0.14 0.00	45.35 0.23 0.00	48.38 0.05 0.00	44.67 0.00 0.00	39.64 -0.24 0.00	33.88 -0.38 0.00	31.62 -0.65 0.00
MAPLEWOD_115KV_TB3 80458	41.17 1.24 0.00	32.35 1.09 0.00	32.79 1.14 0.00	31.08 0.99 0.00	30.82 0.98 0.00	31.37 1.03 0.00	29.62 1.08 0.00	31.04 1.08 0.00	32.38 1.19 0.00	35.62 1.30 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.39 1.40 0.00	37.15 1.43 0.00	36.37 1.53 0.00	38.73 1.63 0.00	41.65 1.67 -1.09	47.72 1.47 -10.43	51.89 1.94 -4.83	53.21 2.13 -2.75	49.52 1.97 -2.88	43.15 1.75 -1.52	37.91 1.44 -2.22	35.66 1.32 -2.07
MAPLE_RIDGE_WT_1 323574	39.61 -0.32 0.00	31.04 -0.22 0.00	31.43 -0.22 0.00	29.87 -0.21 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.91 -0.28 0.00	34.04 -0.28 0.00	32.97 -0.27 0.00	34.26 -0.31 0.00	34.64 -0.35 0.00	35.33 -0.39 0.00	34.46 -0.38 0.00	36.66 -0.44 0.00	38.46 -0.43 0.00	35.43 -0.39 0.00	44.63 -0.50 0.00	47.65 -0.68 0.00	44.04 -0.63 0.00	39.24 -0.64 0.00	33.67 -0.58 0.00	31.66 -0.61 0.00
MAPLE_RIDGE_WT_2 323611	39.61 -0.32 0.00	31.04 -0.22 0.00	31.43 -0.22 0.00	29.87 -0.21 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.91 -0.28 0.00	34.04 -0.28 0.00	32.97 -0.27 0.00	34.26 -0.31 0.00	34.64 -0.35 0.00	35.33 -0.39 0.00	34.46 -0.38 0.00	36.66 -0.44 0.00	38.46 -0.43 0.00	35.43 -0.39 0.00	44.63 -0.50 0.00	47.65 -0.68 0.00	44.04 -0.63 0.00	39.24 -0.64 0.00	33.67 -0.58 0.00	31.66 -0.61 0.00
MARBLE_RIVER_WT_PWR 323696	39.93 0.00 0.00	31.32 0.06 0.00	31.68 0.03 0.00	30.14 0.06 0.00	29.78 -0.06 0.00	30.27 -0.06 0.00	28.48 -0.06 0.00	29.90 -0.06 0.00	31.19 0.00 0.00	34.38 0.07 0.00	33.27 0.03 0.00	34.54 -0.03 0.00	34.92 -0.07 0.00	35.65 -0.07 0.00	34.80 -0.03 0.00	36.99 -0.11 0.00	38.85 -0.04 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.19 -0.14 0.00	44.49 -0.18 0.00	39.48 -0.40 0.00	33.74 -0.51 0.00	31.56 -0.71 0.00
MARSHVLE_115KV_TB1 80742	42.05 2.12 0.00	32.82 1.56 0.00	33.27 1.61 0.00	31.68 1.59 0.00	31.39 1.55 0.00	31.97 1.64 0.00	30.02 1.48 0.00	31.37 1.41 0.00	32.60 1.40 0.00	35.93 1.61 0.00	34.87 1.63 0.00	36.27 1.69 0.00	36.67 1.68 0.00	37.37 1.64 0.00	36.51 1.67 0.00	38.95 1.85 0.00	42.09 1.98 -1.21	49.70 1.93 -11.94	50.26 2.66 -2.48	52.36 3.09 -0.94	50.86 3.04 -3.15	43.36 2.75 -0.73	38.98 2.19 -2.54	36.61 1.97 -2.37
MARSH_HILL_WT_PWR 323713	39.73 -0.20 0.00	30.57 -0.69 0.00	30.77 -0.89 0.00	29.30 -0.78 0.00	29.10 -0.74 0.00	29.55 -0.79 0.00	27.56 -0.97 0.00	28.97 -0.99 0.00	29.91 -1.28 0.00	32.60 -1.71 0.00	31.71 -1.53 0.00	32.95 -1.62 0.00	33.10 -1.89 0.00	33.90 -1.82 0.00	32.92 -1.92 0.00	35.21 -1.89 0.00	36.83 -2.22 -0.16	35.25 -2.11 -1.55	42.64 -2.66 -0.18	45.84 -2.52 -0.03	42.66 -2.41 -0.40	37.94 -1.99 -0.05	32.87 -1.71 -0.33	31.16 -1.42 -0.31
MCINTYRE_115KV_TB2 80467	39.77 -0.16 0.00	31.23 -0.03 0.00	31.53 -0.13 0.00	30.05 -0.03 0.00	29.69 -0.15 0.00	30.27 -0.06 0.00	28.36 -0.17 0.00	29.72 -0.24 0.00	30.91 -0.28 0.00	34.04 -0.27 0.00	32.91 -0.33 0.00	34.09 -0.48 0.00	34.40 -0.59 0.00	35.04 -0.68 0.00	34.25 -0.59 0.00	36.43 -0.67 0.00	38.42 -0.47 0.00	35.64 -0.18 0.00	45.21 0.09 0.00	48.19 -0.14 0.00	44.84 0.18 0.00	39.84 -0.04 0.00	34.05 -0.21 0.00	31.85 -0.42 0.00
MECO_____69_KV_BK1 80468	42.61 2.68 0.00	33.26 2.00 0.00	33.74 2.09 0.00	32.10 2.02 0.00	31.78 1.94 0.00	32.34 2.00 0.00	30.42 1.88 0.00	31.79 1.83 0.00	33.03 1.84 0.00	36.41 2.09 0.00	35.27 2.03 0.00	36.72 2.14 0.00	37.12 2.13 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.47 2.37 0.00	42.63 2.57 -1.17	49.77 2.47 -11.48	50.96 3.34 -2.50	53.13 3.82 -0.98	51.41 3.71 -3.04	43.89 3.27 -0.74	39.33 2.64 -2.44	36.94 2.39 -2.28
MENANDS___115KV_TB5 355628	40.97 1.04 0.00	32.23 0.97 0.00	32.67 1.01 0.00	30.99 0.90 0.00	30.74 0.90 0.00	31.24 0.91 0.00	29.50 0.97 0.00	30.95 0.99 0.00	32.25 1.06 0.00	35.51 1.20 0.00	34.37 1.13 0.00	35.82 1.24 0.00	36.29 1.29 0.00	37.04 1.32 0.00	36.23 1.39 0.00	38.62 1.52 0.00	41.49 1.52 -1.08	47.56 1.33 -10.41	51.26 1.76 -4.38	52.64 1.88 -2.42	49.27 1.74 -2.86	42.81 1.56 -1.37	37.77 1.30 -2.21	35.50 1.16 -2.07
MG INDUSTRY___DRP 24185	40.89 0.96 0.00	32.14 0.88 0.00	32.57 0.92 0.00	30.96 0.87 0.00	30.71 0.87 0.00	31.21 0.88 0.00	29.39 0.86 0.00	30.80 0.84 0.00	32.07 0.87 0.00	35.31 1.00 0.00	34.17 0.93 0.00	35.58 1.00 0.00	36.01 1.01 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.32 1.22 0.00	41.13 1.24 -1.00	47.15 1.07 -10.25	44.54 1.44 2.03	47.68 1.55 2.20	48.65 1.47 -2.51	40.49 1.36 0.74	37.49 1.06 -2.18	35.30 1.00 -2.03



MID___OSWEGATCHIE_HYD 23849	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.94 -0.90 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.22 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.54 -1.56 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.88 -1.45 0.00	43.60 -1.12 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
MID___RAQUETTE_HYD 23851	38.73 -1.20 0.00	30.39 -0.88 0.00	30.74 -0.92 0.00	29.27 -0.81 0.00	28.91 -0.93 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.22 -0.97 0.00	33.35 -0.96 0.00	32.28 -0.96 0.00	33.43 -1.14 0.00	33.80 -1.19 0.00	34.47 -1.25 0.00	33.65 -1.18 0.00	35.76 -1.34 0.00	37.65 -1.24 0.00	34.85 -0.97 0.00	44.04 -1.08 0.00	46.78 -1.55 0.00	43.50 -1.16 0.00	38.68 -1.20 0.00	33.09 -1.16 0.00	30.98 -1.29 0.00
MILLIKEN___1 23584	40.45 0.52 0.00	31.48 0.22 0.00	31.81 0.16 0.00	30.29 0.21 0.00	30.08 0.24 0.00	30.61 0.27 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.29 0.09 0.00	34.28 -0.03 0.00	33.24 0.00 0.00	34.50 -0.07 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.60 -0.24 0.00	36.91 -0.19 0.00	38.85 -0.19 -0.15	37.22 -0.11 -1.51	45.35 0.05 -0.18	48.50 0.14 -0.03	45.19 0.13 -0.39	40.05 0.12 -0.05	34.71 0.14 -0.32	32.76 0.19 -0.30
MILLIKEN___2 23585	40.45 0.52 0.00	31.48 0.22 0.00	31.81 0.16 0.00	30.29 0.21 0.00	30.08 0.24 0.00	30.61 0.27 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.29 0.09 0.00	34.28 -0.03 0.00	33.24 0.00 0.00	34.50 -0.07 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.60 -0.24 0.00	36.91 -0.19 0.00	38.85 -0.19 -0.15	37.22 -0.11 -1.51	45.35 0.05 -0.18	48.50 0.14 -0.03	45.19 0.13 -0.39	40.05 0.12 -0.05	34.71 0.14 -0.32	32.76 0.19 -0.30
MILLIKEN___DIESEL 23629	40.45 0.52 0.00	31.48 0.22 0.00	31.81 0.16 0.00	30.29 0.21 0.00	30.08 0.24 0.00	30.61 0.27 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.29 0.09 0.00	34.28 -0.03 0.00	33.24 0.00 0.00	34.50 -0.07 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.60 -0.24 0.00	36.91 -0.19 0.00	38.85 -0.19 -0.15	37.22 -0.11 -1.51	45.35 0.05 -0.18	48.50 0.14 -0.03	45.19 0.13 -0.39	40.05 0.12 -0.05	34.71 0.14 -0.32	32.76 0.19 -0.30
MILLSEAT___LFGE 323607	39.17 -0.76 0.00	29.92 -1.34 0.00	30.26 -1.39 0.00	28.82 -1.26 0.00	28.59 -1.25 0.00	29.03 -1.30 0.00	26.99 -1.54 0.00	28.28 -1.68 0.00	29.16 -2.03 0.00	31.60 -2.71 0.00	30.78 -2.46 0.00	32.12 -2.45 0.00	32.33 -2.66 0.00	33.04 -2.68 0.00	31.98 -2.86 0.00	34.17 -2.93 0.00	35.69 -3.31 -0.11	33.68 -3.22 -1.09	41.13 -4.11 -0.12	44.29 -4.06 -0.02	41.24 -3.71 -0.28	36.92 -2.99 -0.04	31.99 -2.50 -0.23	30.68 -1.81 -0.22
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	41.93 2.00 0.00	33.01 1.75 0.00	33.43 1.77 0.00	31.62 1.53 0.00	31.39 1.55 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.50 2.26 0.00	37.03 2.45 0.00	37.54 2.55 0.00	38.37 2.64 0.00	37.59 2.75 0.00	39.96 2.86 0.00	42.74 2.96 -0.89	47.40 2.79 -8.79	49.80 3.34 -1.34	52.34 3.67 -0.34	50.22 3.26 -2.30	43.21 2.95 -0.38	38.55 2.43 -1.87	36.08 2.07 -1.74
MILLWOOD_13_KV_LOAD 356217	42.01 2.08 0.00	33.07 1.81 0.00	33.49 1.84 0.00	31.68 1.59 0.00	31.42 1.58 0.00	31.91 1.58 0.00	30.30 1.77 0.00	31.88 1.92 0.00	33.22 2.03 0.00	36.65 2.33 0.00	35.57 2.33 0.00	37.10 2.52 0.00	37.61 2.62 0.00	38.44 2.71 0.00	37.66 2.82 0.00	40.03 2.93 0.00	42.85 3.07 -0.89	47.51 2.90 -8.79	49.89 3.43 -1.34	52.44 3.77 -0.34	50.31 3.35 -2.30	43.29 3.03 -0.38	38.62 2.50 -1.87	36.14 2.13 -1.74
MODEL_CITY_ENERGY 24167	38.02 -1.92 0.00	29.13 -2.13 0.00	29.53 -2.12 0.00	28.13 -1.95 0.00	27.75 -2.09 0.00	28.21 -2.12 0.00	26.25 -2.28 0.00	27.54 -2.43 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.88 -3.36 0.00	31.22 -3.35 0.00	31.39 -3.60 0.00	32.12 -3.61 0.00	31.15 -3.69 0.00	33.24 -3.86 0.00	34.69 -4.32 -0.11	32.66 -4.30 -1.14	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.69 -5.27 -0.30	35.61 -4.31 -0.04	30.93 -3.56 -0.24	29.72 -2.78 -0.23
MODERN_LFGE___ 323580	38.02 -1.92 0.00	29.13 -2.13 0.00	29.53 -2.12 0.00	28.13 -1.95 0.00	27.75 -2.09 0.00	28.21 -2.12 0.00	26.25 -2.28 0.00	27.54 -2.43 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.88 -3.36 0.00	31.22 -3.35 0.00	31.39 -3.60 0.00	32.12 -3.61 0.00	31.15 -3.69 0.00	33.24 -3.86 0.00	34.69 -4.32 -0.11	32.66 -4.30 -1.14	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.69 -5.27 -0.30	35.61 -4.31 -0.04	30.93 -3.56 -0.24	29.72 -2.78 -0.23
MOHAWK_PAPER___DRP 24187	41.17 1.24 0.00	32.35 1.09 0.00	32.79 1.14 0.00	31.08 0.99 0.00	30.82 0.98 0.00	31.37 1.03 0.00	29.62 1.08 0.00	31.04 1.08 0.00	32.38 1.19 0.00	35.62 1.30 0.00	34.50 1.26 0.00	35.92 1.35 0.00	36.39 1.40 0.00	37.15 1.43 0.00	36.37 1.53 0.00	38.73 1.63 0.00	41.65 1.67 -1.09	47.72 1.47 -10.43	51.89 1.94 -4.83	53.21 2.13 -2.75	49.52 1.97 -2.88	43.15 1.75 -1.52	37.91 1.44 -2.22	35.66 1.32 -2.07
MOHICAN___35_KV_115KV_LD 80490	42.17 2.24 0.00	33.01 1.75 0.00	33.46 1.80 0.00	31.80 1.71 0.00	31.48 1.64 0.00	32.03 1.70 0.00	30.22 1.68 0.00	31.67 1.71 0.00	33.03 1.84 0.00	36.48 2.16 0.00	35.30 2.06 0.00	36.79 2.21 0.00	37.19 2.20 0.00	37.97 2.25 0.00	37.10 2.26 0.00	39.58 2.49 0.00	42.59 2.61 -1.09	48.85 2.40 -10.63	51.53 3.11 -3.29	53.38 3.43 -1.62	50.83 3.31 -2.86	43.76 2.87 -1.01	38.81 2.30 -2.26	36.48 2.10 -2.11
MONGAUP___HYD 23641	42.01 2.08 0.00	32.98 1.72 0.00	33.36 1.71 0.00	31.62 1.53 0.00	31.39 1.55 0.00	31.82 1.49 0.00	30.13 1.60 0.00	31.76 1.80 0.00	33.00 1.81 0.00	36.30 1.99 0.00	35.20 1.96 0.00	36.65 2.07 0.00	37.16 2.17 0.00	37.87 2.14 0.00	37.10 2.26 0.00	39.48 2.38 0.00	42.29 2.57 -0.84	46.61 2.51 -8.28	49.43 3.07 -1.23	51.82 3.19 -0.30	49.95 3.13 -2.16	42.98 2.75 -0.35	38.31 2.30 -1.76	35.95 2.03 -1.64
MONTAUK___DIESEL 23721	43.09 3.15 0.00	33.82 2.56 0.00	34.12 2.47 0.00	32.01 1.93 0.00	31.96 2.12 0.00	32.25 1.91 0.00	30.87 2.34 0.00	32.42 2.46 0.00	34.12 2.93 0.00	37.68 3.36 0.00	36.40 2.89 -0.27	37.97 3.11 -0.28	38.54 3.29 -0.26	39.52 3.47 -0.33	39.38 3.55 -0.99	41.62 3.60 -0.92	44.51 3.73 -1.88	48.97 3.69 -9.46	53.19 4.92 -3.15	56.25 5.61 -2.32	57.81 5.27 -7.88	46.81 4.91 -2.03	40.74 4.38 -2.10	38.07 4.03 -1.77
MOONROAD_115KV_HARTFLD_TB1-2 355988	39.33 -0.60 0.00	29.92 -1.34 0.00	29.98 -1.68 0.00	28.58 -1.50 0.00	28.50 -1.34 0.00	28.82 -1.52 0.00	26.77 -1.77 0.00	28.22 -1.74 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.61 -2.63 0.00	31.95 -2.63 0.00	32.09 -2.90 0.00	32.79 -2.93 0.00	31.88 -2.96 0.00	34.06 -3.04 0.00	35.45 -3.58 -0.13	33.59 -3.55 -1.31	40.61 -4.65 -0.14	43.91 -4.45 -0.02	40.63 -4.38 -0.34	36.41 -3.51 -0.04	31.62 -2.91 -0.28	30.14 -2.39 -0.26



MORRIS_RIDGE___SOLAR 323848	39.17 -0.76 0.00	30.17 -1.10 0.00	30.35 -1.30 0.00	28.94 -1.14 0.00	28.71 -1.13 0.00	29.15 -1.18 0.00	27.19 -1.34 0.00	28.58 -1.38 0.00	29.45 -1.75 0.00	32.08 -2.23 0.00	31.21 -2.03 0.00	32.46 -2.11 0.00	32.65 -2.34 0.00	33.44 -2.29 0.00	32.47 -2.37 0.00	34.69 -2.41 0.00	36.24 -2.80 -0.15	34.60 -2.72 -1.50	41.77 -3.52 -0.17	44.93 -3.43 -0.03	41.75 -3.30 -0.39	37.22 -2.71 -0.05	32.31 -2.26 -0.32	30.66 -1.90 -0.30
MORTIMER_115KV_TB3 55949	39.37 -0.56 0.00	30.32 -0.94 0.00	30.61 -1.04 0.00	29.21 -0.87 0.00	29.03 -0.81 0.00	29.45 -0.88 0.00	27.48 -1.06 0.00	28.82 -1.14 0.00	29.88 -1.31 0.00	32.60 -1.72 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.74 -2.01 -0.92	42.76 -2.48 -0.12	45.79 -2.56 -0.02	42.58 -2.32 -0.24	38.00 -1.91 -0.03	32.88 -1.58 -0.20	31.39 -1.06 -0.18
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	42.29 2.36 0.00	33.29 2.03 0.00	33.71 2.06 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.72 3.00 0.00	37.94 3.10 0.00	40.29 3.19 0.00	43.13 3.34 -0.90	47.82 3.15 -8.85	50.12 3.65 -1.35	52.63 3.96 -0.34	50.51 3.53 -2.31	43.49 3.23 -0.38	38.88 2.74 -1.88	36.41 2.39 -1.76
MUNSVILLE_WIND_PWR 323609	42.37 2.44 0.00	32.98 1.72 0.00	33.24 1.58 0.00	31.77 1.68 0.00	31.63 1.79 0.00	32.37 2.03 0.00	30.07 1.54 0.00	31.58 1.62 0.00	32.75 1.56 0.00	35.79 1.47 0.00	34.80 1.56 0.00	36.03 1.45 0.00	36.39 1.40 0.00	36.94 1.22 0.00	36.23 1.40 0.00	38.69 1.59 0.00	40.88 1.75 -0.23	39.81 1.68 -2.30	47.84 2.43 -0.28	51.22 2.85 -0.04	47.85 2.59 -0.60	42.19 2.23 -0.08	36.39 1.64 -0.49	34.34 1.61 -0.46
N SALMON___HYD 24042	39.93 0.00 0.00	31.32 0.06 0.00	31.68 0.03 0.00	30.17 0.09 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.48 -0.06 0.00	29.93 -0.03 0.00	31.22 0.03 0.00	34.49 0.17 0.00	33.34 0.10 0.00	34.57 0.00 0.00	34.92 -0.07 0.00	35.62 -0.11 0.00	34.80 -0.03 0.00	36.95 -0.15 0.00	38.85 -0.04 0.00	35.97 0.14 0.00	45.35 0.23 0.00	48.38 0.05 0.00	44.67 0.00 0.00	39.64 -0.24 0.00	33.88 -0.38 0.00	31.63 -0.65 0.00
N.AKRON__115KV_KNAPP 355671	39.17 -0.76 0.00	29.89 -1.38 0.00	30.07 -1.58 0.00	28.73 -1.35 0.00	28.59 -1.25 0.00	29.00 -1.33 0.00	26.94 -1.60 0.00	28.25 -1.71 0.00	29.13 -2.06 0.00	31.57 -2.75 0.00	30.78 -2.46 0.00	32.08 -2.49 0.00	32.26 -2.73 0.00	33.01 -2.71 0.00	31.95 -2.89 0.00	34.13 -2.97 0.00	35.66 -3.34 -0.11	33.62 -3.30 -1.09	41.09 -4.15 -0.12	44.19 -4.16 -0.02	41.11 -3.84 -0.28	36.84 -3.07 -0.04	31.92 -2.57 -0.23	30.62 -1.87 -0.22
N.E_GEN_SANDY PD 24062	41.73 1.80 0.00	32.79 1.53 0.00	33.24 1.58 0.00	31.41 1.32 0.00	31.15 1.31 0.00	31.70 1.37 0.00	30.05 1.51 0.00	31.55 1.59 0.00	32.88 1.68 0.00	36.20 1.89 0.00	35.03 1.79 0.00	36.47 1.90 0.00	36.95 1.96 0.00	37.76 2.04 0.00	37.00 2.16 0.00	39.40 2.30 0.00	42.30 2.41 -1.00	47.70 2.19 -9.69	50.90 2.75 -3.03	52.82 3.00 -1.49	50.00 2.72 -2.61	43.28 2.47 -0.93	38.30 1.99 -2.06	36.00 1.81 -1.92
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	41.89 1.96 0.00	32.98 1.72 0.00	33.36 1.71 0.00	31.59 1.50 0.00	31.36 1.52 0.00	31.82 1.49 0.00	30.22 1.68 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.92 2.82 0.00	42.68 2.92 -0.87	47.24 2.79 -8.63	49.72 3.29 -1.30	52.28 3.62 -0.32	50.14 3.22 -2.25	43.12 2.87 -0.37	38.49 2.40 -1.83	36.05 2.07 -1.71
N.QUEENS_27_KV_LOAD 356247	42.45 2.52 0.00	33.36 2.09 -0.01	33.81 2.15 0.00	31.95 1.87 0.00	31.69 1.85 0.00	31.94 1.61 0.00	30.50 1.97 0.00	31.97 2.01 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.91 3.07 0.00	40.22 3.12 0.00	43.05 3.27 -0.89	47.78 3.12 -8.85	50.08 3.61 -1.34	52.54 3.87 -0.34	50.42 3.44 -2.31	43.33 3.07 -0.38	38.70 2.57 -1.88	36.32 2.29 -1.76
N.TROY___115KV_TB1 355778	41.53 1.60 0.00	32.61 1.34 0.00	33.05 1.39 0.00	31.29 1.20 0.00	31.03 1.19 0.00	31.61 1.27 0.00	29.88 1.34 0.00	31.31 1.35 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.77 1.53 0.00	36.23 1.66 0.00	36.67 1.68 0.00	37.44 1.71 0.00	36.65 1.81 0.00	39.07 1.97 0.00	42.04 2.06 -1.09	48.12 1.83 -10.47	52.07 2.39 -4.56	53.49 2.61 -2.55	49.96 2.41 -2.88	43.46 2.15 -1.43	38.23 1.75 -2.22	35.96 1.61 -2.08
NARROWS_GT1_1 24228	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_2 24229	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_3 24230	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_4 24231	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_5 24232	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78



NARROWS_GT1_6 24233	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_7 24234	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT1_8 24235	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_1 24236	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_2 24237	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_3 24238	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_4 24239	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_5 24240	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_6 24241	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_7 24242	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NARROWS_GT2_8 24243	57.02 2.79 -14.29	48.79 2.35 -15.19	34.02 2.34 -0.02	32.24 2.14 -0.02	31.97 2.12 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.51 2.78 -4.42	49.08 2.76 -13.08	49.91 2.97 -12.36	50.41 3.11 -12.31	49.93 3.18 -11.03	50.40 3.27 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.92 -1.34	52.92 4.25 -0.34	50.77 3.79 -2.31	46.50 3.39 -3.23	39.04 2.88 -1.90	36.60 2.55 -1.78
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	41.33 1.40 0.00	32.45 1.19 0.00	32.86 1.20 0.00	31.20 1.11 0.00	30.97 1.13 0.00	31.43 1.09 0.00	29.59 1.06 0.00	31.07 1.11 0.00	32.31 1.12 0.00	35.51 1.20 0.00	34.34 1.10 0.00	35.68 1.11 0.00	36.11 1.12 0.00	36.79 1.07 0.00	35.99 1.15 0.00	38.40 1.30 0.00	41.22 1.36 -0.97	46.78 0.97 -9.99	44.76 1.99 2.34	48.19 2.27 2.41	49.28 2.19 -2.42	40.90 1.87 0.85	37.44 1.06 -2.12	35.29 1.03 -1.98
NCHELSEA_115KV_TR2 355582	42.09 2.16 0.00	33.07 1.81 0.00	33.46 1.80 0.00	31.68 1.59 0.00	31.45 1.61 0.00	31.91 1.58 0.00	30.25 1.71 0.00	31.85 1.89 0.00	33.16 1.97 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.96 2.39 0.00	37.47 2.48 0.00	38.22 2.50 0.00	37.42 2.58 0.00	39.84 2.75 0.00	42.66 2.88 -0.89	47.38 2.72 -8.84	49.46 3.25 -1.09	52.06 3.58 -0.15	50.22 3.26 -2.30	43.04 2.87 -0.29	38.53 2.40 -1.88	36.15 2.13 -1.75
NEG CAPITAL___MECHNVIL 23645	42.01 2.08 0.00	32.92 1.66 0.00	33.36 1.71 0.00	31.65 1.56 0.00	31.36 1.52 0.00	31.91 1.58 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.91 1.71 0.00	36.30 1.99 0.00	35.17 1.93 0.00	36.61 2.04 0.00	37.05 2.06 0.00	37.83 2.11 0.00	37.00 2.16 0.00	39.44 2.34 0.00	42.43 2.45 -1.09	48.62 2.22 -10.57	51.70 2.89 -3.69	53.38 3.14 -1.91	50.52 2.99 -2.87	43.61 2.59 -1.14	38.59 2.09 -2.25	36.30 1.94 -2.10
NEG CENTRAL_HIGH_ACRES 23767	38.81 -1.12 0.00	29.98 -1.28 0.00	30.26 -1.39 0.00	28.79 -1.29 0.00	28.65 -1.19 0.00	29.09 -1.25 0.00	27.19 -1.34 0.00	28.49 -1.47 0.00	29.63 -1.56 0.00	32.39 -1.92 0.00	31.48 -1.76 0.00	32.81 -1.76 0.00	33.10 -1.89 0.00	33.83 -1.89 0.00	32.75 -2.09 0.00	34.95 -2.15 0.00	36.69 -2.29 -0.09	34.49 -2.22 -0.89	42.53 -2.71 -0.11	45.49 -2.85 -0.02	42.31 -2.59 -0.23	37.72 -2.19 -0.03	32.63 -1.82 -0.19	31.06 -1.39 -0.18



NEG CENTRAL___DRP 24199	39.85 -0.08 0.00	30.92 -0.34 0.00	31.24 -0.41 0.00	29.75 -0.33 0.00	29.54 -0.30 0.00	30.03 -0.30 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.69 -0.50 0.00	33.59 -0.72 0.00	32.61 -0.63 0.00	33.88 -0.69 0.00	34.19 -0.80 0.00	34.94 -0.79 0.00	33.90 -0.94 0.00	36.17 -0.93 0.00	38.02 -0.97 -0.10	35.90 -0.90 -0.98	44.20 -1.04 -0.12	47.38 -0.97 -0.02	44.03 -0.89 -0.25	39.15 -0.76 -0.03	33.85 -0.62 -0.21	32.01 -0.45 -0.19
NEG CENTRAL___INDECK 23768	40.61 0.68 0.00	31.17 -0.09 0.00	31.40 -0.25 0.00	29.90 -0.18 0.00	29.75 -0.09 0.00	30.24 -0.09 0.00	28.16 -0.37 0.00	29.42 -0.54 0.00	30.35 -0.84 0.00	32.91 -1.41 0.00	31.91 -1.33 0.00	33.12 -1.45 0.00	33.28 -1.71 0.00	34.01 -1.71 0.00	33.06 -1.78 0.00	35.36 -1.74 0.00	37.16 -1.87 -0.13	35.44 -1.68 -1.30	43.56 -1.71 -0.15	47.00 -1.35 -0.02	43.89 -1.11 -0.34	39.04 -0.88 -0.04	33.78 -0.75 -0.28	32.11 -0.42 -0.26
NEG CENTRAL___SENECA 23627	40.05 0.12 0.00	30.98 -0.28 0.00	31.24 -0.41 0.00	29.81 -0.27 0.00	29.60 -0.24 0.00	30.06 -0.27 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.66 -0.53 0.00	33.52 -0.79 0.00	32.54 -0.70 0.00	33.81 -0.76 0.00	34.12 -0.87 0.00	34.86 -0.86 0.00	33.83 -1.01 0.00	36.10 -1.00 0.00	37.91 -1.09 -0.11	35.90 -1.00 -1.09	44.13 -1.13 -0.13	47.29 -1.06 -0.02	43.97 -0.98 -0.28	39.08 -0.84 -0.04	33.80 -0.69 -0.23	32.00 -0.48 -0.22
NEG CENTRAL___STATE_STREET 24147	39.85 -0.08 0.00	31.01 -0.25 0.00	31.34 -0.32 0.00	29.84 -0.24 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.88 -0.31 0.00	33.90 -0.41 0.00	32.87 -0.37 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.36 -0.62 -0.10	36.20 -0.57 -0.95	44.65 -0.59 -0.12	47.82 -0.53 -0.02	44.42 -0.49 -0.25	39.47 -0.44 -0.03	34.11 -0.34 -0.20	32.23 -0.23 -0.19
NEG MILLWOOD___DRP 24198	42.29 2.36 0.00	33.23 1.97 0.00	33.62 1.96 0.00	31.83 1.74 0.00	31.60 1.76 0.00	32.06 1.73 0.00	30.39 1.85 0.00	32.00 2.04 0.00	33.34 2.15 0.00	36.78 2.47 0.00	35.73 2.49 0.00	37.24 2.66 0.00	37.72 2.73 0.00	38.54 2.82 0.00	37.73 2.89 0.00	40.18 3.08 0.00	43.02 3.23 -0.90	47.69 2.97 -8.90	50.05 3.61 -1.31	52.61 3.96 -0.31	50.56 3.57 -2.32	43.44 3.19 -0.37	38.82 2.67 -1.89	36.33 2.29 -1.77
NEG NORTH_FLCN_SEA 23793	40.41 0.48 0.00	31.70 0.44 0.00	32.03 0.38 0.00	30.50 0.42 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.37 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.31 0.31 0.00	36.04 0.32 0.00	35.22 0.38 0.00	37.40 0.30 0.00	39.28 0.39 0.00	36.32 0.50 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00
NEG NORTH_KES_CHATEGAY 23792	39.93 0.00 0.00	31.29 0.03 0.00	31.65 0.00 0.00	30.14 0.06 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.45 -0.09 0.00	29.90 -0.06 0.00	31.16 -0.03 0.00	34.35 0.03 0.00	33.24 0.00 0.00	34.47 -0.10 0.00	34.85 -0.14 0.00	35.58 -0.14 0.00	34.73 -0.10 0.00	36.91 -0.19 0.00	38.77 -0.12 0.00	35.86 0.04 0.00	45.21 0.09 0.00	48.23 -0.10 0.00	44.49 -0.18 0.00	39.52 -0.36 0.00	33.74 -0.51 0.00	31.53 -0.74 0.00
NEG NORTH___ALICE_FALLS 23915	40.41 0.48 0.00	31.70 0.44 0.00	32.06 0.41 0.00	30.50 0.42 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.37 0.00	34.83 0.51 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.34 0.35 0.00	36.08 0.36 0.00	35.22 0.38 0.00	37.43 0.33 0.00	39.32 0.43 0.00	36.36 0.54 0.00	45.84 0.72 0.00	48.96 0.63 0.00	45.11 0.45 0.00	40.04 0.16 0.00	34.19 -0.07 0.00	31.95 -0.32 0.00
NEG NORTH___LWR_SARANAC 23913	40.41 0.48 0.00	31.70 0.44 0.00	32.06 0.41 0.00	30.50 0.42 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.37 0.00	34.83 0.51 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.34 0.35 0.00	36.08 0.36 0.00	35.22 0.38 0.00	37.43 0.33 0.00	39.32 0.43 0.00	36.36 0.54 0.00	45.84 0.72 0.00	48.96 0.63 0.00	45.11 0.45 0.00	40.04 0.16 0.00	34.19 -0.07 0.00	31.95 -0.32 0.00
NEG NORTH___PLATTSBURG 23628	40.41 0.48 0.00	31.70 0.44 0.00	32.06 0.41 0.00	30.50 0.42 0.00	30.14 0.30 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.26 0.30 0.00	31.57 0.38 0.00	34.83 0.52 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.34 0.35 0.00	36.08 0.36 0.00	35.22 0.38 0.00	37.43 0.33 0.00	39.32 0.43 0.00	36.36 0.54 0.00	45.84 0.72 0.00	48.96 0.63 0.00	45.11 0.45 0.00	40.04 0.16 0.00	34.19 -0.07 0.00	31.95 -0.32 0.00
NEG WEST_LEA_LOCKPORT 23791	38.49 -1.44 0.00	29.42 -1.84 0.00	29.60 -2.06 0.00	28.25 -1.84 0.00	28.11 -1.73 0.00	28.48 -1.85 0.00	26.51 -2.03 0.00	27.80 -2.16 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.25 -2.99 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.44 -3.29 0.00	31.46 -3.38 0.00	33.57 -3.52 0.00	35.04 -3.97 -0.11	32.97 -3.98 -1.13	40.10 -5.14 -0.12	43.18 -5.17 -0.02	40.14 -4.82 -0.29	36.01 -3.91 -0.04	31.27 -3.22 -0.24	30.01 -2.48 -0.22
NEG WEST___LANCASTR 23811	38.17 -1.76 0.00	29.23 -2.03 0.00	29.34 -2.31 0.00	28.04 -2.05 0.00	27.90 -1.94 0.00	28.27 -2.06 0.00	26.34 -2.20 0.00	27.80 -2.16 0.00	28.51 -2.68 0.00	30.95 -3.36 0.00	30.25 -2.99 0.00	31.53 -3.04 0.00	31.70 -3.29 0.00	32.44 -3.29 0.00	31.49 -3.34 0.00	33.61 -3.49 0.00	34.55 -4.47 -0.13	32.80 -4.33 -1.31	39.58 -5.69 -0.14	42.75 -5.61 -0.02	39.60 -5.40 -0.34	35.42 -4.51 -0.04	30.76 -3.77 -0.28	29.37 -3.16 -0.26
NEG_PENN_ALLEGHNY 23528	39.89 -0.04 0.00	31.07 -0.19 0.00	31.40 -0.25 0.00	29.93 -0.15 0.00	29.69 -0.15 0.00	30.21 -0.12 0.00	28.28 -0.26 0.00	29.75 -0.21 0.00	30.88 -0.31 0.00	33.87 -0.45 0.00	32.87 -0.36 0.00	34.19 -0.38 0.00	34.53 -0.46 0.00	35.30 -0.43 0.00	34.35 -0.49 0.00	36.62 -0.48 0.00	38.55 -0.58 -0.24	37.66 -0.57 -2.42	44.69 -0.72 -0.29	47.74 -0.63 -0.04	44.63 -0.67 -0.63	39.44 -0.52 -0.08	34.32 -0.45 -0.51	32.43 -0.32 -0.48
NEG___GEN_MONROE 24207	39.33 -0.60 0.00	30.29 -0.97 0.00	30.55 -1.11 0.00	29.18 -0.90 0.00	29.03 -0.81 0.00	29.45 -0.88 0.00	27.45 -1.08 0.00	28.73 -1.23 0.00	29.69 -1.50 0.00	32.29 -2.02 0.00	31.41 -1.83 0.00	32.67 -1.90 0.00	32.93 -2.06 0.00	33.65 -2.07 0.00	32.57 -2.26 0.00	34.76 -2.34 0.00	36.50 -2.49 -0.09	34.35 -2.40 -0.93	42.26 -2.98 -0.12	45.40 -2.95 -0.02	42.27 -2.64 -0.24	37.76 -2.15 -0.03	32.71 -1.75 -0.20	31.26 -1.19 -0.19
NEPA___ENERGY 23901	38.89 -1.04 0.00	29.85 -1.41 0.00	29.98 -1.68 0.00	28.64 -1.44 0.00	28.50 -1.34 0.00	28.85 -1.49 0.00	26.91 -1.63 0.00	28.46 -1.50 0.00	29.13 -2.06 0.00	31.60 -2.71 0.00	30.88 -2.36 0.00	32.19 -2.39 0.00	32.37 -2.62 0.00	33.11 -2.61 0.00	32.16 -2.68 0.00	34.35 -2.75 0.00	35.76 -3.27 -0.13	33.92 -3.22 -1.32	40.98 -4.29 -0.14	44.29 -4.06 -0.02	40.95 -4.06 -0.34	36.65 -3.27 -0.04	31.80 -2.74 -0.28	30.34 -2.19 -0.26



NEVERSINK___HYD 23608	42.17 2.23 0.00	33.14 1.88 0.00	33.52 1.87 0.00	31.77 1.68 0.00	31.54 1.70 0.00	31.97 1.64 0.00	30.28 1.74 0.00	31.91 1.95 0.00	33.19 2.00 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.93 2.35 0.00	37.44 2.45 0.00	38.15 2.43 0.00	37.38 2.54 0.00	39.81 2.71 0.00	42.60 2.88 -0.83	46.79 2.72 -8.25	49.43 3.29 -1.01	52.14 3.67 -0.14	50.16 3.35 -2.14	43.10 2.95 -0.27	38.44 2.43 -1.75	36.07 2.16 -1.64
NEWKRMKL_115KV_TB1 55635	40.69 0.76 0.00	32.04 0.78 0.00	32.48 0.82 0.00	30.81 0.72 0.00	30.56 0.72 0.00	31.09 0.76 0.00	29.33 0.80 0.00	30.77 0.81 0.00	32.07 0.87 0.00	35.31 1.00 0.00	34.17 0.93 0.00	35.61 1.04 0.00	36.08 1.08 0.00	36.83 1.11 0.00	36.02 1.18 0.00	38.40 1.30 0.00	41.18 1.24 -1.04	47.31 1.07 -10.42	47.08 1.40 -0.56	49.53 1.55 0.34	48.77 1.43 -2.67	41.26 1.28 -0.11	37.53 1.06 -2.21	35.31 0.97 -2.07
NEWTON___FALLS_HYD 23847	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.94 -0.90 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.22 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.54 -1.56 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.88 -1.45 0.00	43.60 -1.12 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
NGRID_A1_DSASP 323792	38.22 -1.72 0.00	29.39 -1.87 0.00	29.31 -2.34 0.00	27.92 -2.17 0.00	28.02 -1.82 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.66 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.92 -3.32 0.00	31.22 -3.35 0.00	31.46 -3.53 0.00	32.18 -3.54 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.73 -4.28 -0.12	32.70 -4.26 -1.15	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.79 -2.71 -0.23
NGRID_A2_DSASP 323793	38.22 -1.72 0.00	29.39 -1.87 0.00	29.31 -2.34 0.00	27.92 -2.17 0.00	28.02 -1.82 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.66 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.92 -3.32 0.00	31.22 -3.35 0.00	31.46 -3.53 0.00	32.18 -3.54 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.73 -4.28 -0.12	32.70 -4.26 -1.15	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.79 -2.71 -0.23
NGRID_A4_DSASP 323807	38.22 -1.72 0.00	29.39 -1.87 0.00	29.31 -2.34 0.00	27.92 -2.17 0.00	28.02 -1.82 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.66 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.92 -3.32 0.00	31.22 -3.35 0.00	31.46 -3.53 0.00	32.18 -3.54 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.73 -4.28 -0.12	32.70 -4.26 -1.15	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.79 -2.71 -0.23
NIAGARA_115E_LBMP 323715	37.77 -2.16 0.00	28.98 -2.28 0.00	29.41 -2.25 0.00	28.01 -2.08 0.00	27.60 -2.24 0.00	28.06 -2.28 0.00	26.11 -2.43 0.00	27.38 -2.58 0.00	28.17 -3.03 0.00	30.50 -3.81 0.00	29.72 -3.52 0.00	31.05 -3.53 0.00	31.25 -3.74 0.00	31.97 -3.75 0.00	30.97 -3.87 0.00	33.06 -4.04 0.00	34.50 -4.51 -0.12	32.49 -4.48 -1.15	39.42 -5.82 -0.12	42.45 -5.90 -0.02	39.42 -5.54 -0.30	35.37 -4.55 -0.04	30.77 -3.73 -0.24	29.56 -2.94 -0.23
NIAGARA_115W_LBMP 323714	38.10 -1.84 0.00	29.35 -1.91 0.00	29.22 -2.44 0.00	27.83 -2.26 0.00	27.96 -1.88 0.00	28.42 -1.91 0.00	26.36 -2.17 0.00	27.59 -2.37 0.00	28.26 -2.93 0.00	30.61 -3.71 0.00	29.82 -3.42 0.00	31.15 -3.42 0.00	31.35 -3.64 0.00	32.08 -3.64 0.00	31.08 -3.76 0.00	33.20 -3.89 0.00	34.61 -4.39 -0.12	32.59 -4.37 -1.14	39.55 -5.69 -0.11	42.55 -5.80 -0.02	39.56 -5.41 -0.30	35.49 -4.43 -0.04	30.87 -3.63 -0.24	29.72 -2.78 -0.23
NIAGARA_230_LBMP 323716	38.18 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.13 -1.95 0.00	27.96 -1.88 0.00	28.42 -1.91 0.00	26.48 -2.05 0.00	27.78 -2.19 0.00	28.54 -2.65 0.00	30.92 -3.40 0.00	30.15 -3.09 0.00	31.46 -3.11 0.00	31.67 -3.32 0.00	32.40 -3.32 0.00	31.43 -3.41 0.00	33.54 -3.56 0.00	35.00 -4.00 -0.11	32.94 -4.01 -1.13	40.00 -5.23 -0.11	43.03 -5.32 -0.02	40.00 -4.96 -0.29	35.89 -4.03 -0.04	31.17 -3.32 -0.24	29.98 -2.52 -0.22
NIAGARA___115KV_198_GIBSON 55903	38.17 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.19 -1.90 0.00	28.05 -1.79 0.00	28.42 -1.91 0.00	26.37 -2.17 0.00	27.59 -2.37 0.00	28.26 -2.93 0.00	30.61 -3.71 0.00	29.88 -3.36 0.00	31.15 -3.42 0.00	31.35 -3.64 0.00	32.08 -3.64 0.00	31.08 -3.76 0.00	33.20 -3.90 0.00	34.65 -4.36 -0.12	32.59 -4.37 -1.14	39.55 -5.69 -0.11	42.55 -5.80 -0.02	39.56 -5.40 -0.30	35.49 -4.43 -0.04	30.87 -3.63 -0.24	29.72 -2.78 -0.23
NIAGARA____ 23760	38.18 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.13 -1.95 0.00	27.96 -1.88 0.00	28.42 -1.91 0.00	26.48 -2.05 0.00	27.78 -2.19 0.00	28.54 -2.65 0.00	30.92 -3.40 0.00	30.15 -3.09 0.00	31.46 -3.11 0.00	31.67 -3.32 0.00	32.40 -3.32 0.00	31.43 -3.41 0.00	33.54 -3.56 0.00	35.00 -4.00 -0.12	32.95 -4.01 -1.14	40.00 -5.23 -0.11	43.03 -5.32 -0.02	40.00 -4.96 -0.30	35.89 -4.03 -0.04	31.17 -3.32 -0.24	29.98 -2.52 -0.23
NINE_MILE_1 23575	38.81 -1.12 0.00	30.29 -0.97 0.00	30.64 -1.01 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.44 -1.39 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.85 -1.43 -0.46	43.37 -1.81 -0.06	46.45 -1.89 -0.01	43.04 -1.74 -0.12	38.38 -1.52 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
NINE_MILE_2 23744	38.81 -1.12 0.00	30.29 -0.97 0.00	30.64 -1.01 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.44 -1.39 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.85 -1.43 -0.46	43.37 -1.81 -0.06	46.45 -1.89 -0.01	43.04 -1.74 -0.12	38.38 -1.52 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
NM_CAPITAL___DRP 24208	40.89 0.96 0.00	32.17 0.91 0.00	32.60 0.95 0.00	30.93 0.84 0.00	30.68 0.84 0.00	31.18 0.85 0.00	29.45 0.91 0.00	30.89 0.93 0.00	32.19 1.00 0.00	35.45 1.13 0.00	34.30 1.06 0.00	35.71 1.14 0.00	36.18 1.19 0.00	36.97 1.25 0.00	36.16 1.32 0.00	38.55 1.45 0.00	41.40 1.44 -1.07	47.43 1.22 -10.39	50.40 1.62 -3.65	52.02 1.79 -1.90	49.09 1.61 -2.82	42.49 1.48 -1.13	37.66 1.20 -2.21	35.43 1.10 -2.06
NM_CENTRAL___DRP 24181	39.53 -0.40 0.00	30.79 -0.47 0.00	31.15 -0.51 0.00	29.66 -0.42 0.00	29.42 -0.42 0.00	29.91 -0.42 0.00	28.08 -0.46 0.00	29.45 -0.51 0.00	30.66 -0.53 0.00	33.66 -0.65 0.00	32.64 -0.60 0.00	33.95 -0.62 0.00	34.33 -0.66 0.00	35.04 -0.68 0.00	34.04 -0.80 0.00	36.28 -0.82 0.00	38.10 -0.86 -0.07	35.66 -0.82 -0.66	44.21 -0.99 -0.08	47.33 -1.01 -0.01	43.90 -0.94 -0.17	39.10 -0.80 -0.02	33.81 -0.58 -0.14	31.95 -0.45 -0.13



NM_FRONTIER___DRP 24179	38.17 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.19 -1.90 0.00	28.05 -1.79 0.00	28.42 -1.91 0.00	26.37 -2.17 0.00	27.59 -2.37 0.00	28.26 -2.93 0.00	30.61 -3.71 0.00	29.88 -3.36 0.00	31.15 -3.42 0.00	31.35 -3.64 0.00	32.08 -3.64 0.00	31.08 -3.76 0.00	33.20 -3.90 0.00	34.65 -4.36 -0.12	32.59 -4.37 -1.14	39.55 -5.69 -0.11	42.55 -5.80 -0.02	39.56 -5.40 -0.30	35.49 -4.43 -0.04	30.87 -3.63 -0.24	29.72 -2.78 -0.23
NM_ST_REGIS___HYD 24053	39.05 -0.88 0.00	30.67 -0.59 0.00	30.99 -0.66 0.00	29.51 -0.57 0.00	29.12 -0.72 0.00	29.64 -0.70 0.00	27.85 -0.68 0.00	29.24 -0.72 0.00	30.51 -0.69 0.00	33.66 -0.65 0.00	32.54 -0.70 0.00	33.74 -0.83 0.00	34.08 -0.91 0.00	34.76 -0.96 0.00	33.97 -0.87 0.00	36.10 -1.00 0.00	37.96 -0.93 0.00	35.14 -0.68 0.00	44.40 -0.72 0.00	47.22 -1.11 0.00	43.86 -0.80 0.00	38.96 -0.92 0.00	33.30 -0.96 0.00	31.14 -1.13 0.00
NORTHPORT___1 23551	43.05 3.12 0.00	33.73 2.47 0.00	34.06 2.40 0.00	32.07 1.99 0.00	31.96 2.12 0.00	32.28 1.94 0.00	30.88 2.34 0.00	32.42 2.46 0.00	34.03 2.84 0.00	37.47 3.15 0.00	36.46 2.99 -0.23	37.93 3.11 -0.24	38.47 3.25 -0.22	39.33 3.32 -0.28	39.09 3.42 -0.83	41.25 3.38 -0.78	43.97 3.35 -1.73	48.38 3.19 -9.37	51.92 3.92 -2.87	54.60 4.25 -2.01	56.08 3.79 -7.62	45.20 3.55 -1.77	39.78 3.46 -2.07	37.20 3.16 -1.77
NORTHPORT___2 23552	43.05 3.12 0.00	33.73 2.47 0.00	34.06 2.40 0.00	32.07 1.99 0.00	31.96 2.12 0.00	32.28 1.94 0.00	30.88 2.34 0.00	32.42 2.46 0.00	34.03 2.84 0.00	37.47 3.15 0.00	36.46 2.99 -0.23	37.93 3.11 -0.24	38.47 3.25 -0.22	39.33 3.32 -0.28	39.09 3.42 -0.83	41.25 3.38 -0.78	43.97 3.35 -1.73	48.38 3.19 -9.37	51.92 3.92 -2.87	54.60 4.25 -2.01	56.08 3.79 -7.62	45.20 3.55 -1.77	39.78 3.46 -2.07	37.20 3.16 -1.77
NORTHPORT___3 23553	42.84 2.91 0.00	33.61 2.35 0.00	33.93 2.28 0.00	31.95 1.87 0.00	31.84 2.00 0.00	32.15 1.82 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.84 2.65 0.00	37.33 3.02 0.00	36.33 2.86 -0.23	37.82 3.01 -0.24	38.33 3.11 -0.22	39.18 3.18 -0.28	38.94 3.27 -0.83	41.25 3.38 -0.77	44.08 3.46 -1.73	48.45 3.26 -9.37	51.91 3.92 -2.87	54.59 4.25 -2.00	56.11 3.79 -7.65	45.16 3.51 -1.77	39.58 3.26 -2.07	37.01 2.97 -1.77
NORTHPORT___4 23650	42.84 2.91 0.00	33.61 2.35 0.00	33.93 2.28 0.00	31.95 1.87 0.00	31.84 2.00 0.00	32.15 1.82 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.84 2.65 0.00	37.33 3.02 0.00	36.33 2.86 -0.23	37.82 3.01 -0.24	38.33 3.11 -0.22	39.18 3.18 -0.28	38.94 3.27 -0.83	41.25 3.38 -0.77	44.08 3.46 -1.73	48.45 3.26 -9.37	51.91 3.92 -2.87	54.59 4.25 -2.00	56.11 3.79 -7.65	45.16 3.51 -1.77	39.58 3.26 -2.07	37.01 2.97 -1.77
NORTHPORT___IC 23718	42.85 2.91 0.00	33.76 2.50 0.00	34.06 2.41 0.00	32.07 1.99 0.00	31.93 2.09 0.00	32.28 1.94 0.00	30.87 2.34 0.00	32.42 2.46 0.00	34.03 2.84 0.00	37.47 3.16 0.00	36.43 2.96 -0.23	37.92 3.11 -0.24	38.47 3.25 -0.22	39.33 3.32 -0.28	39.09 3.41 -0.83	41.21 3.34 -0.78	43.97 3.34 -1.73	48.38 3.19 -9.37	51.88 3.88 -2.87	54.60 4.25 -2.01	56.08 3.80 -7.62	45.20 3.55 -1.77	39.78 3.46 -2.07	37.20 3.16 -1.77
NORTH___COUNTRY_ESR 323785	39.81 -0.12 0.00	31.23 -0.03 0.00	31.59 -0.06 0.00	30.05 -0.03 0.00	29.72 -0.12 0.00	30.18 -0.15 0.00	28.42 -0.11 0.00	29.84 -0.12 0.00	31.13 -0.06 0.00	34.31 0.00 0.00	33.21 -0.03 0.00	34.47 -0.10 0.00	34.85 -0.14 0.00	35.54 -0.18 0.00	34.73 -0.10 0.00	36.91 -0.18 0.00	38.77 -0.12 0.00	35.82 0.00 0.00	45.12 0.00 0.00	48.09 -0.24 0.00	44.40 -0.27 0.00	39.40 -0.48 0.00	33.67 -0.58 0.00	31.46 -0.81 0.00
NPX_GEN_1385_PROXY 323591	43.05 3.12 0.00	33.73 2.47 0.00	34.06 2.40 0.00	32.07 1.99 0.00	31.96 2.12 0.00	32.28 1.94 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.44 3.12 0.00	36.46 2.99 -0.23	37.93 3.11 -0.24	38.47 3.25 -0.22	39.33 3.32 -0.28	39.09 3.42 -0.83	41.25 3.38 -0.78	43.97 3.35 -1.73	48.38 3.19 -9.37	52.14 4.15 -2.87	54.54 4.20 -2.01	56.08 3.79 -7.62	45.48 3.83 -1.77	39.78 3.46 -2.07	37.20 3.16 -1.77
NPX_GEN_CSC 323557	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.28 2.19 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.74 3.22 -0.27	38.25 3.39 -0.28	38.79 3.53 -0.26	39.70 3.65 -0.33	39.55 3.73 -0.98	41.87 3.86 -0.92	44.74 3.97 -1.88	49.12 3.83 -9.46	53.19 4.92 -3.15	56.05 5.41 -2.31	57.45 4.91 -7.87	46.41 4.50 -2.02	40.46 4.11 -2.10	37.72 3.68 -1.77
NSINS_S_GLNS_FALLS 23858	42.17 2.24 0.00	33.01 1.75 0.00	33.46 1.80 0.00	31.80 1.71 0.00	31.48 1.64 0.00	32.03 1.70 0.00	30.22 1.68 0.00	31.67 1.71 0.00	33.03 1.84 0.00	36.48 2.16 0.00	35.33 2.09 0.00	36.79 2.21 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.14 2.30 0.00	39.62 2.52 0.00	42.63 2.64 -1.09	48.86 2.40 -10.64	51.49 3.11 -3.25	53.35 3.43 -1.59	50.83 3.31 -2.86	43.75 2.87 -1.00	38.81 2.30 -2.26	36.48 2.10 -2.11
NUCOR_STEEL___DRP 24197	39.97 0.04 0.00	31.14 -0.13 0.00	31.46 -0.19 0.00	29.96 -0.12 0.00	29.75 -0.09 0.00	30.24 -0.09 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	30.97 -0.22 0.00	33.97 -0.34 0.00	32.94 -0.30 0.00	34.26 -0.31 0.00	34.57 -0.42 0.00	35.33 -0.39 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.44 -0.54 -0.09	36.23 -0.50 -0.91	44.69 -0.54 -0.11	47.82 -0.53 -0.02	44.41 -0.49 -0.24	39.51 -0.40 -0.03	34.17 -0.27 -0.19	32.29 -0.16 -0.18
NUMBER_THREE_WT_PWR 323818	39.61 -0.32 0.00	30.98 -0.28 0.00	31.27 -0.38 0.00	29.81 -0.27 0.00	29.63 -0.21 0.00	30.24 -0.09 0.00	28.25 -0.29 0.00	29.63 -0.33 0.00	30.79 -0.41 0.00	33.80 -0.51 0.00	32.71 -0.53 0.00	33.95 -0.62 0.00	34.32 -0.67 0.00	34.94 -0.79 0.00	33.79 -1.04 0.00	36.02 -1.08 0.00	37.91 -1.01 -0.03	35.33 -0.75 -0.26	44.57 -0.59 -0.03	47.81 -0.53 0.00	44.38 -0.36 -0.07	39.45 -0.44 -0.01	33.70 -0.62 -0.06	31.68 -0.65 -0.05
NYISO_LBMP_REFERENCE 24008	39.93 0.00 0.00	31.26 0.00 0.00	31.65 0.00 0.00	30.08 0.00 0.00	29.84 0.00 0.00	30.33 0.00 0.00	28.53 0.00 0.00	29.96 0.00 0.00	31.19 0.00 0.00	34.31 0.00 0.00	33.24 0.00 0.00	34.57 0.00 0.00	34.99 0.00 0.00	35.72 0.00 0.00	34.84 0.00 0.00	37.10 0.00 0.00	38.89 0.00 0.00	35.82 0.00 0.00	45.12 0.00 0.00	48.33 0.00 0.00	44.67 0.00 0.00	39.88 0.00 0.00	34.25 0.00 0.00	32.27 0.00 0.00
NYPA_BRENTWD____GT 24164	43.40 3.47 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.82 3.26 -0.32	38.33 3.42 -0.34	38.84 3.53 -0.31	39.76 3.65 -0.40	39.69 3.69 -1.16	41.97 3.79 -1.08	44.80 3.85 -2.06	49.05 3.66 -9.57	53.20 4.60 -3.48	55.98 4.98 -2.67	57.31 4.47 -8.17	46.35 4.15 -2.32	40.27 3.87 -2.14	37.53 3.49 -1.77



NYPA_GOWANUS____GT5 24156	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
NYPA_GOWANUS____GT6 24157	57.02	48.79	34.02	32.24	31.97	32.34	30.79	32.24	33.65	41.51	49.08	49.91	50.41	49.93	50.40	49.14	47.61	50.39	50.39	52.92	50.77	46.50	39.04	36.60
	2.79	2.35	2.34	2.14	2.12	2.00	2.25	2.28	2.43	2.78	2.76	2.97	3.11	3.18	3.27	3.38	3.50	3.40	3.92	4.25	3.79	3.39	2.88	2.55
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
NYPA_HARLEM__RVR__GT1 24160	42.45	33.33	33.81	31.98	31.69	31.94	30.48	31.93	33.33	36.85	35.76	37.26	37.82	38.64	37.83	40.21	43.00	47.74	50.02	52.43	50.36	43.28	38.70	36.28
	2.52	2.06	2.15	1.90	1.85	1.61	1.94	1.98	2.15	2.54	2.52	2.70	2.83	2.93	3.00	3.12	3.23	3.08	3.56	3.77	3.39	3.03	2.57	2.26
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.89	-8.84	-1.34	-0.33	-2.30	-0.37	-1.88	-1.76
NYPA_HARLEM__RVR__GT2 24161	42.45	33.33	33.81	31.98	31.69	31.94	30.48	31.93	33.33	36.85	35.76	37.26	37.82	38.64	37.83	40.21	43.00	47.74	50.02	52.43	50.36	43.28	38.70	36.28
	2.52	2.06	2.15	1.90	1.85	1.61	1.94	1.98	2.15	2.54	2.52	2.70	2.83	2.93	3.00	3.12	3.23	3.08	3.56	3.77	3.39	3.03	2.57	2.26
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.89	-8.84	-1.34	-0.33	-2.30	-0.37	-1.88	-1.76
NYPA_KENT____GT 24152	50.79	42.24	33.95	32.14	31.87	32.25	30.73	32.18	33.61	39.59	43.49	44.59	45.12	45.22	45.12	45.40	45.72	49.33	50.35	52.83	50.68	45.24	38.99	36.52
	2.68	2.28	2.28	2.05	2.03	1.91	2.20	2.22	2.40	2.75	2.76	2.94	3.08	3.18	3.24	3.34	3.46	3.33	3.88	4.16	3.71	3.35	2.84	2.48
	-8.18	-8.70	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-2.53	-7.49	-7.08	-7.05	-6.32	-7.04	-4.96	-3.37	-10.17	-1.34	-0.34	-2.31	-2.01	-1.89	-1.77
NYPA_POUCH1____GT 24155	56.98	48.79	33.99	32.24	31.97	32.34	30.79	32.21	33.58	41.41	48.95	49.73	50.27	49.79	50.26	48.99	47.46	50.28	50.26	52.73	50.64	46.38	38.93	36.53
	2.75	2.35	2.31	2.14	2.12	2.00	2.25	2.25	2.37	2.68	2.63	2.80	2.97	3.03	3.14	3.23	3.35	3.29	3.79	4.06	3.66	3.27	2.77	2.48
	-14.29	-15.19	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-4.42	-13.08	-12.36	-12.31	-11.03	-12.29	-8.67	-5.22	-11.16	-1.34	-0.34	-2.31	-3.23	-1.90	-1.78
NYPA_VERNON____GT2 24162	44.56	35.66	33.87	32.04	31.81	32.16	30.65	32.12	33.54	37.67	37.86	39.27	39.82	40.47	39.82	41.66	43.84	48.26	50.26	52.73	50.59	43.98	38.91	36.48
	2.56	2.19	2.21	1.95	1.97	1.82	2.11	2.16	2.34	2.71	2.73	2.90	3.04	3.14	3.20	3.30	3.42	3.26	3.79	4.06	3.62	3.31	2.77	2.45
	-2.07	-2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.64	-1.90	-1.79	-1.78	-1.60	-1.78	-1.26	-1.52	-9.18	-1.34	-0.34	-2.31	-0.79	-1.88	-1.76
NYPA_VERNON____GT3 24163	44.56	35.66	33.87	32.04	31.81	32.16	30.65	32.12	33.54	37.67	37.86	39.27	39.82	40.47	39.82	41.66	43.84	48.26	50.26	52.73	50.59	43.98	38.91	36.48
	2.56	2.19	2.21	1.95	1.97	1.82	2.11	2.16	2.34	2.71	2.73	2.90	3.04	3.14	3.20	3.30	3.42	3.26	3.79	4.06	3.62	3.31	2.77	2.45
	-2.07	-2.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.64	-1.90	-1.79	-1.78	-1.60	-1.78	-1.26	-1.52	-9.18	-1.34	-0.34	-2.31	-0.79	-1.88	-1.76
NYPA____ASTORIA_CC1 323568	42.45	33.42	33.84	32.04	31.78	32.12	30.62	32.09	33.50	36.99	35.93	37.44	38.00	38.79	37.98	40.36	43.17	47.89	50.17	52.68	50.55	43.49	38.88	36.41
	2.52	2.16	2.18	1.95	1.94	1.79	2.08	2.13	2.31	2.68	2.69	2.87	3.01	3.07	3.14	3.27	3.38	3.23	3.70	4.01	3.57	3.23	2.74	2.39
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.89	-8.85	-1.34	-0.34	-2.31	-0.38	-1.88	-1.76
NYPA____ASTORIA_CC2 323569	42.45	33.42	33.84	32.04	31.78	32.12	30.62	32.09	33.50	36.99	35.93	37.44	38.00	38.79	37.98	40.36	43.17	47.89	50.17	52.68	50.55	43.49	38.88	36.41
	2.52	2.16	2.18	1.95	1.94	1.79	2.08	2.13	2.31	2.68	2.69	2.87	3.01	3.07	3.14	3.27	3.38	3.23	3.70	4.01	3.57	3.23	2.74	2.39
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.89	-8.85	-1.34	-0.34	-2.31	-0.38	-1.88	-1.76
NYPA____HOLTSVILL 23794	43.24	33.89	34.19	32.16	32.05	32.37	30.96	32.48	34.12	37.58	36.60	38.10	38.61	39.51	39.36	41.64	44.45	48.82	52.71	55.44	56.84	45.90	40.09	37.43
	3.31	2.63	2.53	2.07	2.21	2.03	2.42	2.52	2.93	3.26	3.09	3.25	3.36	3.46	3.56	3.64	3.70	3.55	4.47	4.83	4.33	4.03	3.73	3.39
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.27	-0.28	-0.26	-0.33	-0.97	-0.90	-1.87	-9.45	-3.12	-2.28	-7.84	-2.00	-2.10	-1.77
NYPA____HELLGATE_GT1 24158	42.45	33.33	33.81	31.98	31.69	31.94	30.48	31.93	33.33	36.85	35.76	37.26	37.82	38.64	37.83	40.21	43.00	47.74	50.02	52.43	50.36	43.28	38.70	36.28
	2.52	2.06	2.15	1.90	1.85	1.61	1.94	1.98	2.15	2.54	2.52	2.70	2.83	2.93	3.00	3.12	3.23	3.08	3.56	3.77	3.39	3.03	2.57	2.26
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.89	-8.84	-1.34	-0.33	-2.30	-0.37	-1.88	-1.76
NYPA____HELLGATE_GT2 24159	42.45	33.33	33.81	31.98	31.69	31.94	30.48	31.93	33.33	36.85	35.76	37.26	37.82	38.64	37.83	40.21	43.00	47.74	50.02	52.43	50.36	43.28	38.70	36.28
	2.52	2.06	2.15	1.90	1.85	1.61	1.94	1.98	2.15	2.54	2.52	2.70	2.83	2.93	3.00	3.12	3.23	3.08	3.56	3.77	3.39	3.03	2.57	2.26
	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	-0.89	-8.84	-1.34	-0.33	-2.30	-0.37	-1.88	-1.76
NYS_BARGE____HYD 23848	38.41	29.39	29.75	28.34	28.02	28.48	26.48	27.78	28.57	30.95	30.18	31.50	31.70	32.44	31.43	33.54	35.00	32.96	40.05	43.18	40.13	35.97	31.24	30.01
	-1.52	-1.87	-1.90	-1.75	-1.82	-1.85	-2.05	-2.19	-2.62	-3.36	-3.06	-3.08	-3.29	-3.29	-3.41	-3.56	-4.00	-3.98	-5.19	-5.17	-4.82	-3.95	-3.25	-2.48
	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	-0.11	-1.12	-0.12	-0.02	-0.29	-0.04	-0.24	-0.22
OAK ORCHARD____HYD 24046	39.37	30.35	30.61	29.12	28.97	29.45	27.48	28.82	29.88	32.60	31.68	33.02	33.35	34.04	32.96	35.17	36.92	34.74	42.71	45.78	42.58	38.00	32.88	31.39
	-0.56	-0.91	-1.04	-0.96	-0.87	-0.88	-1.06	-1.14	-1.31	-1.71	-1.56	-1.56	-1.64	-1.68	-1.88	-1.93	-2.06	-2.01	-2.53	-2.56	-2.32	-1.91	-1.58	-1.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.09	-0.92	-0.12	-0.02	-0.24	-0.03	-0.20	-0.18



OAKDALE___35_KV_LOAD 356122	39.85 -0.08 0.00	31.04 -0.22 0.00	31.37 -0.28 0.00	29.90 -0.18 0.00	29.69 -0.15 0.00	30.18 -0.15 0.00	28.25 -0.29 0.00	29.72 -0.24 0.00	30.82 -0.37 0.00	33.80 -0.51 0.00	32.81 -0.43 0.00	34.12 -0.45 0.00	34.47 -0.52 0.00	35.22 -0.50 0.00	34.28 -0.56 0.00	36.58 -0.52 0.00	38.47 -0.66 -0.24	37.58 -0.64 -2.40	44.60 -0.81 -0.29	47.65 -0.72 -0.04	44.53 -0.76 -0.62	39.36 -0.60 -0.08	34.25 -0.51 -0.51	32.39 -0.35 -0.48
OCC_CHEM___DRP 24175	38.25 -1.68 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.65 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.98 -3.26 0.00	31.25 -3.32 0.00	31.46 -3.53 0.00	32.15 -3.57 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.77 -4.24 -0.12	32.70 -4.26 -1.15	39.69 -5.55 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.82 -2.68 -0.23
OH_GEN_PROXY 24063	38.18 -1.76 0.00	29.35 -1.91 0.00	29.53 -2.12 0.00	28.13 -1.95 0.00	27.99 -1.85 0.00	28.45 -1.88 0.00	26.48 -2.05 0.00	27.84 -2.13 0.00	28.60 -2.59 0.00	30.99 -3.33 0.00	30.18 -3.06 0.00	31.50 -3.08 0.00	31.74 -3.25 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.61 -3.49 0.00	35.08 -3.93 -0.11	33.05 -3.90 -1.13	40.13 -5.10 -0.11	43.18 -5.17 -0.02	40.09 -4.87 -0.29	35.93 -3.99 -0.04	31.24 -3.25 -0.24	30.01 -2.48 -0.22
OLIN_CORP_DRP 24177	37.93 -2.00 0.00	29.04 -2.22 0.00	29.22 -2.44 0.00	27.89 -2.20 0.00	27.75 -2.09 0.00	28.12 -2.21 0.00	26.17 -2.37 0.00	27.47 -2.49 0.00	28.23 -2.96 0.00	30.57 -3.74 0.00	29.85 -3.39 0.00	31.12 -3.46 0.00	31.32 -3.67 0.00	32.04 -3.68 0.00	31.04 -3.80 0.00	33.17 -3.93 0.00	34.61 -4.39 -0.12	32.57 -4.41 -1.16	39.56 -5.69 -0.12	42.55 -5.80 -0.02	39.56 -5.40 -0.30	35.49 -4.43 -0.04	30.83 -3.67 -0.25	29.66 -2.84 -0.23
OLIN_CORP_DSASP 323712	38.22 -1.72 0.00	29.39 -1.87 0.00	29.31 -2.34 0.00	27.92 -2.17 0.00	28.02 -1.82 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.66 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.92 -3.32 0.00	31.22 -3.35 0.00	31.46 -3.53 0.00	32.18 -3.54 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.73 -4.28 -0.12	32.70 -4.26 -1.15	39.64 -5.60 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.79 -2.71 -0.23
ONEIDA_HERK_LFGE 323681	40.17 0.24 0.00	31.42 0.16 0.00	31.75 0.10 0.00	30.23 0.15 0.00	30.05 0.21 0.00	30.64 0.30 0.00	28.68 0.14 0.00	30.11 0.15 0.00	31.32 0.13 0.00	34.38 0.07 0.00	33.34 0.10 0.00	34.61 0.03 0.00	35.03 0.04 0.00	35.65 -0.07 0.00	34.73 -0.10 0.00	37.02 -0.07 0.00	38.88 -0.04 -0.02	36.08 0.04 -0.23	45.38 0.23 -0.03	48.68 0.34 0.00	45.08 0.36 -0.06	40.17 0.28 -0.01	34.37 0.07 -0.05	32.38 0.06 -0.04
ONEIDA___115KV_TB4 55905	40.53 0.60 0.00	31.64 0.38 0.00	32.00 0.35 0.00	30.47 0.39 0.00	30.26 0.42 0.00	30.85 0.52 0.00	28.88 0.34 0.00	30.32 0.36 0.00	31.50 0.31 0.00	34.62 0.31 0.00	33.57 0.33 0.00	34.85 0.28 0.00	35.27 0.28 0.00	35.94 0.21 0.00	35.05 0.21 0.00	37.40 0.30 0.00	39.25 0.31 -0.04	36.57 0.32 -0.43	45.72 0.54 -0.05	49.06 0.72 -0.01	45.49 0.71 -0.11	40.49 0.60 -0.01	34.79 0.45 -0.09	32.81 0.45 -0.09
ONONDAGA_REF_OCCRA 23987	39.65 -0.28 0.00	30.92 -0.34 0.00	31.24 -0.41 0.00	29.75 -0.33 0.00	29.51 -0.33 0.00	30.03 -0.30 0.00	28.16 -0.37 0.00	29.57 -0.39 0.00	30.79 -0.41 0.00	33.80 -0.51 0.00	32.77 -0.47 0.00	34.06 -0.52 0.00	34.43 -0.56 0.00	35.15 -0.57 0.00	34.18 -0.66 0.00	36.43 -0.67 0.00	38.24 -0.74 -0.08	35.96 -0.68 -0.82	44.41 -0.81 -0.10	47.57 -0.77 -0.01	44.16 -0.71 -0.21	39.27 -0.64 -0.03	33.95 -0.48 -0.17	32.08 -0.35 -0.16
ONONDAGA___COGEN 23986	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
ONTARIO___LFGE 23819	40.01 0.08 0.00	30.98 -0.28 0.00	31.24 -0.41 0.00	29.75 -0.33 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.66 -0.53 0.00	33.53 -0.79 0.00	32.51 -0.73 0.00	33.81 -0.76 0.00	34.12 -0.87 0.00	34.86 -0.86 0.00	33.83 -1.01 0.00	36.10 -1.00 0.00	37.91 -1.09 -0.11	35.90 -1.00 -1.09	44.13 -1.13 -0.13	47.29 -1.06 -0.02	43.97 -0.98 -0.28	39.08 -0.84 -0.04	33.80 -0.68 -0.23	32.00 -0.48 -0.22
ORANGEVILLE_WT_PWR 323706	38.89 -1.04 0.00	29.85 -1.41 0.00	30.04 -1.61 0.00	28.64 -1.44 0.00	28.44 -1.40 0.00	28.85 -1.49 0.00	26.88 -1.66 0.00	28.25 -1.71 0.00	29.07 -2.12 0.00	31.60 -2.71 0.00	30.78 -2.46 0.00	32.05 -2.52 0.00	32.26 -2.73 0.00	33.01 -2.72 0.00	32.05 -2.79 0.00	34.24 -2.86 0.00	35.69 -3.34 -0.14	33.95 -3.26 -1.38	40.94 -4.33 -0.15	44.10 -4.25 -0.02	40.96 -4.06 -0.36	36.58 -3.35 -0.05	31.77 -2.77 -0.29	30.19 -2.35 -0.27
ORANGEVILLE___ESR 323794	38.89 -1.04 0.00	29.85 -1.41 0.00	30.04 -1.61 0.00	28.64 -1.44 0.00	28.44 -1.40 0.00	28.85 -1.49 0.00	26.88 -1.66 0.00	28.25 -1.71 0.00	29.07 -2.12 0.00	31.60 -2.71 0.00	30.78 -2.46 0.00	32.05 -2.52 0.00	32.26 -2.73 0.00	33.01 -2.72 0.00	32.05 -2.79 0.00	34.24 -2.86 0.00	35.69 -3.34 -0.14	33.95 -3.26 -1.38	40.94 -4.33 -0.15	44.10 -4.25 -0.02	40.96 -4.06 -0.36	36.58 -3.35 -0.05	31.77 -2.77 -0.29	30.19 -2.35 -0.27
OSWEGATCHIE___HYD 24044	38.77 -1.16 0.00	30.35 -0.91 0.00	30.67 -0.98 0.00	29.24 -0.84 0.00	28.97 -0.87 0.00	29.55 -0.79 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.21 -1.10 0.00	32.14 -1.10 0.00	33.33 -1.24 0.00	33.66 -1.33 0.00	34.29 -1.43 0.00	33.38 -1.46 0.00	35.50 -1.59 0.00	37.39 -1.52 -0.02	34.80 -1.22 -0.20	43.88 -1.26 -0.02	46.89 -1.45 0.00	43.60 -1.11 -0.05	38.77 -1.12 -0.01	33.13 -1.16 -0.04	31.08 -1.23 -0.04
OSWEGO___5 23606	39.09 -0.84 0.00	30.48 -0.78 0.00	30.83 -0.82 0.00	29.33 -0.75 0.00	29.12 -0.72 0.00	29.61 -0.73 0.00	27.79 -0.74 0.00	29.18 -0.78 0.00	30.35 -0.84 0.00	33.35 -0.96 0.00	32.27 -0.97 0.00	33.57 -1.00 0.00	33.94 -1.05 0.00	34.65 -1.07 0.00	33.69 -1.15 0.00	35.88 -1.22 0.00	37.66 -1.28 -0.05	35.14 -1.22 -0.54	43.70 -1.49 -0.07	46.79 -1.55 -0.01	43.37 -1.43 -0.14	38.66 -1.24 -0.02	33.41 -0.96 -0.11	31.57 -0.81 -0.11
OSWEGO___6 23613	39.09 -0.84 0.00	30.48 -0.78 0.00	30.83 -0.82 0.00	29.33 -0.75 0.00	29.12 -0.72 0.00	29.61 -0.73 0.00	27.79 -0.74 0.00	29.18 -0.78 0.00	30.35 -0.84 0.00	33.35 -0.96 0.00	32.27 -0.97 0.00	33.57 -1.00 0.00	33.94 -1.05 0.00	34.65 -1.07 0.00	33.69 -1.15 0.00	35.88 -1.22 0.00	37.66 -1.28 -0.05	35.14 -1.22 -0.54	43.70 -1.49 -0.07	46.79 -1.55 -0.01	43.37 -1.43 -0.14	38.66 -1.24 -0.02	33.41 -0.96 -0.11	31.57 -0.81 -0.11



OUTOKUMPU-AB___DRP 24206	38.85 -1.08 0.00	29.67 -1.59 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.35 -1.49 0.00	28.73 -1.61 0.00	26.68 -1.85 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.77 -2.80 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	35.28 -3.73 -0.12	33.23 -3.76 -1.17	40.28 -4.96 -0.12	43.42 -4.93 -0.02	40.32 -4.65 -0.30	36.21 -3.71 -0.04	31.45 -3.05 -0.25	30.18 -2.32 -0.23
OXBOW___BTM 323836	38.57 -1.36 0.00	29.57 -1.69 0.00	29.60 -2.06 0.00	28.19 -1.89 0.00	28.20 -1.64 0.00	28.64 -1.70 0.00	26.59 -1.94 0.00	27.86 -2.10 0.00	28.57 -2.62 0.00	30.95 -3.36 0.00	30.18 -3.06 0.00	31.53 -3.04 0.00	31.74 -3.25 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.61 -3.49 0.00	35.04 -3.97 -0.12	33.00 -3.98 -1.16	40.01 -5.23 -0.12	43.08 -5.27 -0.02	40.05 -4.91 -0.30	35.93 -3.99 -0.04	31.25 -3.25 -0.25	30.02 -2.48 -0.23
OXBOW___ 24026	38.61 -1.32 0.00	29.57 -1.69 0.00	29.75 -1.90 0.00	28.40 -1.68 0.00	28.26 -1.58 0.00	28.64 -1.70 0.00	26.59 -1.94 0.00	27.86 -2.10 0.00	28.57 -2.62 0.00	30.95 -3.36 0.00	30.25 -2.99 0.00	31.57 -3.01 0.00	31.74 -3.25 0.00	32.47 -3.25 0.00	31.46 -3.38 0.00	33.61 -3.49 0.00	35.08 -3.93 -0.12	33.00 -3.98 -1.16	40.01 -5.23 -0.12	43.08 -5.27 -0.02	40.05 -4.91 -0.30	35.97 -3.95 -0.04	31.25 -3.25 -0.25	30.01 -2.48 -0.23
OXY_CHEM_DSASP 323612	38.25 -1.68 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.65 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.98 -3.26 0.00	31.25 -3.32 0.00	31.46 -3.53 0.00	32.15 -3.57 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.77 -4.24 -0.12	32.70 -4.26 -1.15	39.69 -5.55 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.82 -2.68 -0.23
OZONE_PARK_ESR 323760	42.57 2.64 0.00	33.48 2.22 0.00	33.93 2.28 0.00	32.10 2.02 0.00	31.84 2.00 0.00	32.28 1.94 0.00	30.73 2.20 0.00	32.27 2.31 0.00	33.69 2.50 0.00	37.23 2.92 0.00	36.10 2.86 0.00	37.65 3.08 0.00	38.21 3.22 0.00	39.04 3.32 0.00	38.25 3.41 0.00	40.62 3.52 0.00	43.44 3.66 -0.89	48.14 3.47 -8.84	50.53 4.06 -1.34	53.07 4.40 -0.34	50.91 3.93 -2.31	43.85 3.59 -0.38	39.15 3.01 -1.88	36.64 2.61 -1.75
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	38.25 -1.68 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.65 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.98 -3.26 0.00	31.25 -3.32 0.00	31.46 -3.53 0.00	32.15 -3.57 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.77 -4.24 -0.12	32.70 -4.26 -1.15	39.69 -5.55 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.82 -2.68 -0.23
PACKARD__115KV_DUPONT_184 80571	38.25 -1.68 0.00	29.39 -1.88 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.42 -2.11 0.00	27.65 -2.31 0.00	28.32 -2.87 0.00	30.68 -3.64 0.00	29.98 -3.26 0.00	31.25 -3.32 0.00	31.46 -3.53 0.00	32.15 -3.57 0.00	31.18 -3.66 0.00	33.28 -3.82 0.00	34.77 -4.24 -0.12	32.70 -4.26 -1.15	39.69 -5.55 -0.12	42.70 -5.65 -0.02	39.65 -5.32 -0.30	35.61 -4.31 -0.04	30.97 -3.53 -0.24	29.82 -2.68 -0.23
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	42.53 2.60 0.00	33.43 2.16 -0.01	33.87 2.22 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.03 1.70 0.00	30.53 2.00 0.00	31.97 2.01 0.00	33.38 2.18 0.00	36.85 2.54 0.00	35.77 2.53 0.00	37.31 2.73 0.00	37.86 2.87 0.00	38.69 2.96 0.00	37.87 3.03 0.00	40.18 3.08 0.00	43.01 3.23 -0.89	47.75 3.08 -8.85	50.03 3.56 -1.34	52.49 3.82 -0.34	50.37 3.39 -2.31	43.33 3.07 -0.38	38.74 2.60 -1.88	36.38 2.36 -1.76
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	42.77 2.84 0.00	33.61 2.34 -0.01	34.09 2.44 0.00	32.22 2.14 0.00	31.96 2.12 0.00	32.21 1.88 0.00	30.70 2.17 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.89 3.22 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.54 2.52 -1.76
PATROON__115KV_TB1 80586	40.81 0.88 0.00	32.14 0.88 0.00	32.54 0.89 0.00	30.90 0.81 0.00	30.65 0.81 0.00	31.15 0.82 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.13 0.94 0.00	35.38 1.06 0.00	34.27 1.03 0.00	35.68 1.11 0.00	36.15 1.15 0.00	36.94 1.21 0.00	36.13 1.29 0.00	38.47 1.37 0.00	41.31 1.36 -1.06	47.45 1.18 -10.44	48.72 1.53 -2.06	50.76 1.69 -0.74	48.98 1.56 -2.75	41.88 1.40 -0.61	37.64 1.16 -2.22	35.41 1.06 -2.07
PATTRSNVILLE___SOLAR 323815	41.45 1.52 0.00	32.45 1.19 0.00	32.92 1.27 0.00	31.26 1.17 0.00	31.00 1.16 0.00	31.52 1.18 0.00	29.68 1.14 0.00	31.10 1.14 0.00	32.35 1.15 0.00	35.62 1.30 0.00	34.53 1.30 0.00	35.92 1.35 0.00	36.35 1.36 0.00	37.11 1.39 0.00	36.27 1.43 0.00	38.66 1.56 0.00	41.64 1.63 -1.11	48.32 1.57 -10.92	49.72 2.08 -2.52	51.69 2.32 -1.04	49.75 2.19 -2.90	42.59 1.95 -0.75	38.15 1.58 -2.32	35.89 1.45 -2.17
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	38.49 -1.44 0.00	29.42 -1.84 0.00	29.56 -2.09 0.00	28.22 -1.87 0.00	28.08 -1.76 0.00	28.45 -1.88 0.00	26.51 -2.03 0.00	27.92 -2.04 0.00	28.67 -2.53 0.00	31.12 -3.19 0.00	30.38 -2.86 0.00	31.70 -2.87 0.00	31.88 -3.11 0.00	32.61 -3.11 0.00	31.67 -3.17 0.00	33.80 -3.30 0.00	34.90 -4.12 -0.13	33.04 -4.05 -1.27	39.93 -5.32 -0.13	43.13 -5.22 -0.02	39.99 -5.00 -0.33	35.81 -4.11 -0.04	31.06 -3.46 -0.27	29.68 -2.84 -0.25
PAWLING_115_KV_BK3_REV_LBMP_H 345028	42.29 2.36 0.00	33.23 1.97 0.00	33.62 1.96 0.00	31.83 1.74 0.00	31.60 1.76 0.00	32.06 1.73 0.00	30.39 1.85 0.00	32.00 2.04 0.00	33.34 2.15 0.00	36.78 2.47 0.00	35.73 2.49 0.00	37.24 2.66 0.00	37.72 2.73 0.00	38.54 2.82 0.00	37.73 2.89 0.00	40.18 3.08 0.00	43.02 3.23 -0.90	47.69 2.97 -8.90	50.05 3.61 -1.31	52.61 3.96 -0.31	50.56 3.57 -2.32	43.44 3.19 -0.37	38.82 2.67 -1.89	36.33 2.29 -1.77
PEEKSKILL___ 23653	41.93 2.00 0.00	32.98 1.72 0.00	33.39 1.74 0.00	31.62 1.53 0.00	31.36 1.52 0.00	31.85 1.52 0.00	30.25 1.71 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.58 2.26 0.00	35.50 2.26 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.33 2.61 0.00	37.56 2.72 0.00	39.96 2.86 0.00	42.73 2.95 -0.89	47.38 2.80 -8.76	49.79 3.34 -1.33	52.29 3.63 -0.33	50.17 3.22 -2.29	43.16 2.91 -0.38	38.51 2.40 -1.86	36.08 2.07 -1.74
PGE MADISON___WINDPWR 24146	42.37 2.44 0.00	32.98 1.72 0.00	33.24 1.58 0.00	31.77 1.68 0.00	31.63 1.79 0.00	32.37 2.03 0.00	30.07 1.54 0.00	31.58 1.62 0.00	32.75 1.56 0.00	35.79 1.47 0.00	34.80 1.56 0.00	36.03 1.45 0.00	36.39 1.40 0.00	36.94 1.22 0.00	36.23 1.40 0.00	38.69 1.59 0.00	40.88 1.75 -0.23	39.81 1.68 -2.30	47.84 2.43 -0.28	51.22 2.85 -0.04	47.85 2.59 -0.60	42.19 2.23 -0.08	36.39 1.64 -0.49	34.34 1.61 -0.46



PIERCEFIELD___HYD 23852	38.73 -1.20 0.00	30.39 -0.88 0.00	30.74 -0.92 0.00	29.27 -0.81 0.00	28.91 -0.93 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.22 -0.97 0.00	33.35 -0.96 0.00	32.28 -0.96 0.00	33.43 -1.14 0.00	33.80 -1.19 0.00	34.47 -1.25 0.00	33.65 -1.18 0.00	35.76 -1.34 0.00	37.65 -1.24 0.00	34.85 -0.97 0.00	44.04 -1.08 0.00	46.78 -1.55 0.00	43.50 -1.16 0.00	38.68 -1.20 0.00	33.09 -1.16 0.00	30.98 -1.29 0.00
PINELAWN_CC_1 323563	43.13 3.20 0.00	33.82 2.56 0.00	34.12 2.47 0.00	32.13 2.05 0.00	32.05 2.21 0.00	32.40 2.06 0.00	30.96 2.42 0.00	32.48 2.52 0.00	34.09 2.90 0.00	37.54 3.22 0.00	36.92 3.06 -0.63	38.41 3.18 -0.65	38.93 3.33 -0.61	39.89 3.40 -0.77	40.66 3.48 -2.33	42.87 3.60 -2.17	45.83 3.70 -3.24	49.61 3.51 -10.28	55.09 4.33 -5.63	58.11 4.74 -5.04	58.97 4.25 -10.06	48.03 3.87 -4.29	40.23 3.60 -2.38	37.30 3.26 -1.77
PJM_GEN_HTP_PROXY 323702	42.25 2.32 0.00	33.23 1.97 0.00	33.68 2.03 0.00	31.86 1.77 0.00	31.63 1.79 0.00	32.06 1.73 0.00	30.50 1.97 0.00	32.03 2.07 0.00	33.44 2.25 0.00	36.92 2.61 0.00	35.83 2.59 0.00	37.34 2.77 0.00	37.89 2.90 0.00	38.72 3.00 0.00	37.94 3.10 0.00	40.33 3.23 0.00	43.13 3.35 -0.89	47.81 3.15 -8.84	50.12 3.65 -1.34	52.63 3.96 -0.34	50.46 3.49 -2.31	43.49 3.23 -0.38	38.84 2.71 -1.88	36.35 2.32 -1.75
PJM_GEN_KEystone 24065	40.05 0.12 0.00	31.29 0.03 0.00	31.59 -0.06 0.00	29.99 -0.09 0.00	29.78 -0.06 0.00	30.24 -0.09 0.00	28.51 -0.03 0.00	30.08 0.12 0.00	31.10 -0.09 0.00	34.11 -0.20 0.00	33.17 -0.07 0.00	34.57 0.00 0.00	34.96 -0.03 0.00	35.72 0.00 0.00	34.87 0.03 0.00	37.14 0.04 0.00	39.31 -0.12 -0.54	40.98 -0.18 -5.34	45.36 -0.41 -0.65	48.23 -0.19 -0.09	45.65 -0.40 -1.39	39.86 -0.20 -0.18	35.22 -0.17 -1.13	33.23 -0.10 -1.06
PJM_GEN_NEPTUNE_PROXY 323594	42.65 2.72 0.00	33.48 2.22 0.00	33.81 2.15 0.00	31.86 1.77 0.00	31.72 1.88 0.00	32.06 1.73 0.00	30.62 2.08 0.00	32.15 2.19 0.00	33.72 2.53 0.00	37.16 2.85 0.00	36.03 2.73 -0.06	37.47 2.84 -0.06	37.99 2.94 -0.06	38.80 3.00 -0.07	38.15 3.07 -0.24	40.47 3.15 -0.22	43.29 3.27 -1.14	47.87 3.04 -9.01	50.56 3.65 -1.78	53.11 3.96 -0.81	54.76 3.49 -6.61	43.88 3.23 -0.78	39.24 3.05 -1.93	36.84 2.81 -1.77
PJM_GEN_VFT_PROXY 323633	40.67 2.11 1.38	33.00 1.84 0.10	33.58 1.93 0.00	31.76 1.68 0.00	31.51 1.67 0.00	31.94 1.61 0.00	30.45 1.91 0.00	31.94 1.98 0.00	33.37 2.18 0.00	36.45 2.57 0.44	34.50 2.56 1.30	36.11 2.77 1.23	36.64 2.87 1.22	37.59 2.96 1.10	36.69 3.07 1.22	39.43 3.19 0.86	42.66 3.30 -0.47	47.51 3.08 -8.61	49.99 3.52 -1.34	49.68 3.82 2.47	43.87 3.35 4.15	39.91 3.15 3.12	36.46 2.64 0.43	36.28 2.26 -1.75
PLATSBURG_115KV_PMLD1 355749	40.37 0.44 0.00	31.67 0.41 0.00	32.03 0.38 0.00	30.47 0.39 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.23 0.27 0.00	31.54 0.34 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.31 0.31 0.00	36.04 0.32 0.00	35.19 0.35 0.00	37.40 0.30 0.00	39.28 0.39 0.00	36.29 0.47 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00
PLEASANTVLY___LBMP 24000	41.73 1.80 0.00	32.82 1.56 0.00	33.27 1.61 0.00	31.47 1.38 0.00	31.24 1.40 0.00	31.73 1.40 0.00	30.10 1.57 0.00	31.61 1.65 0.00	32.97 1.78 0.00	36.34 2.02 0.00	35.23 1.99 0.00	36.72 2.14 0.00	37.23 2.24 0.00	38.04 2.32 0.00	37.24 2.40 0.00	39.62 2.52 0.00	42.46 2.64 -0.92	47.40 2.47 -9.11	49.47 2.93 -1.41	51.94 3.24 -0.37	49.91 2.86 -2.38	42.87 2.59 -0.40	38.35 2.16 -1.94	35.95 1.87 -1.81
PLSNTVLE_13_KV_13.8KVDIST 80602	42.13 2.20 0.00	33.14 1.88 0.00	33.55 1.90 0.00	31.74 1.65 0.00	31.51 1.67 0.00	31.97 1.64 0.00	30.39 1.85 0.00	31.91 1.95 0.00	33.28 2.09 0.00	36.75 2.44 0.00	35.63 2.39 0.00	37.13 2.56 0.00	37.68 2.69 0.00	38.47 2.75 0.00	37.70 2.86 0.00	40.07 2.97 0.00	42.86 3.07 -0.90	47.62 2.90 -8.90	49.90 3.43 -1.35	52.39 3.72 -0.34	50.34 3.35 -2.33	43.29 3.03 -0.38	38.71 2.57 -1.89	36.26 2.23 -1.77
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	42.13 2.20 0.00	33.14 1.88 0.00	33.55 1.90 0.00	31.74 1.65 0.00	31.51 1.67 0.00	31.97 1.64 0.00	30.39 1.85 0.00	31.91 1.95 0.00	33.28 2.09 0.00	36.75 2.44 0.00	35.63 2.39 0.00	37.13 2.56 0.00	37.68 2.69 0.00	38.47 2.75 0.00	37.70 2.86 0.00	40.07 2.97 0.00	42.86 3.07 -0.90	47.62 2.90 -8.90	49.90 3.43 -1.35	52.39 3.72 -0.34	50.34 3.35 -2.33	43.29 3.03 -0.38	38.71 2.57 -1.89	36.26 2.23 -1.77
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	41.97 2.04 0.00	32.98 1.72 0.00	33.39 1.74 0.00	31.62 1.53 0.00	31.39 1.55 0.00	31.85 1.52 0.00	30.19 1.66 0.00	31.76 1.80 0.00	33.09 1.90 0.00	36.48 2.16 0.00	35.33 2.09 0.00	36.82 2.25 0.00	37.33 2.34 0.00	38.12 2.39 0.00	37.31 2.47 0.00	39.70 2.60 0.00	42.55 2.76 -0.90	47.33 2.58 -8.93	49.52 3.11 -1.28	52.05 3.43 -0.29	50.12 3.13 -2.33	43.03 2.79 -0.36	38.45 2.30 -1.90	36.08 2.03 -1.77
POLETTI_____ 23519	42.21 2.28 0.00	33.23 1.97 0.00	33.68 2.03 0.00	31.86 1.77 0.00	31.60 1.76 0.00	32.06 1.73 0.00	30.53 2.00 0.00	32.03 2.07 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.80 2.56 0.00	37.31 2.73 0.00	37.89 2.90 0.00	38.69 2.96 0.00	37.94 3.10 0.00	40.29 3.19 0.00	43.09 3.31 -0.89	47.78 3.12 -8.84	50.08 3.61 -1.34	52.58 3.91 -0.34	50.46 3.48 -2.31	43.45 3.19 -0.38	38.84 2.71 -1.88	36.35 2.32 -1.75
POMONA___ESR 323819	41.89 1.96 0.00	32.98 1.72 0.00	33.36 1.71 0.00	31.62 1.53 0.00	31.36 1.52 0.00	31.82 1.49 0.00	30.22 1.68 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.50 2.26 0.00	36.99 2.42 0.00	37.51 2.52 0.00	38.30 2.57 0.00	37.52 2.68 0.00	39.92 2.82 0.00	42.72 2.95 -0.87	47.25 2.80 -8.63	49.72 3.29 -1.30	52.28 3.63 -0.32	50.14 3.22 -2.25	43.12 2.87 -0.37	38.48 2.40 -1.83	36.05 2.07 -1.71
PORT_JEFF_3 23555	43.40 3.47 0.00	33.98 2.72 0.00	34.28 2.63 0.00	32.28 2.19 0.00	32.17 2.33 0.00	32.49 2.15 0.00	31.05 2.51 0.00	32.60 2.64 0.00	34.22 3.02 0.00	37.71 3.40 0.00	36.74 3.22 -0.27	38.21 3.35 -0.28	38.75 3.50 -0.27	39.66 3.61 -0.33	39.52 3.69 -0.99	41.80 3.79 -0.92	44.67 3.89 -1.89	49.01 3.73 -9.46	52.97 4.69 -3.15	55.77 5.12 -2.32	57.15 4.60 -7.88	46.13 4.23 -2.03	40.26 3.90 -2.10	37.56 3.52 -1.77
PORT_JEFF_4 23616	43.40 3.47 0.00	33.98 2.72 0.00	34.28 2.63 0.00	32.28 2.19 0.00	32.17 2.33 0.00	32.49 2.15 0.00	31.05 2.51 0.00	32.60 2.64 0.00	34.22 3.02 0.00	37.71 3.40 0.00	36.74 3.22 -0.27	38.21 3.35 -0.28	38.75 3.50 -0.27	39.66 3.61 -0.33	39.52 3.69 -0.99	41.80 3.79 -0.92	44.67 3.89 -1.89	49.01 3.73 -9.46	52.97 4.69 -3.15	55.77 5.12 -2.32	57.15 4.60 -7.88	46.13 4.23 -2.03	40.26 3.90 -2.10	37.56 3.52 -1.77



PORT_JEFF_IC 23713	43.29 3.35 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.28 2.20 0.00	32.17 2.33 0.00	32.49 2.15 0.00	31.07 2.54 0.00	32.60 2.64 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.75 3.22 -0.28	38.26 3.39 -0.29	38.80 3.53 -0.27	39.71 3.64 -0.35	39.58 3.73 -1.02	41.87 3.82 -0.95	44.74 3.93 -1.92	49.10 3.80 -9.48	53.07 4.74 -3.21	55.93 5.22 -2.38	57.29 4.69 -7.93	46.23 4.27 -2.08	40.30 3.94 -2.11	37.59 3.55 -1.77
PPL PILGRIM_ST_GT1 24216	43.40 3.47 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.82 3.26 -0.32	38.33 3.42 -0.34	38.84 3.53 -0.31	39.76 3.65 -0.40	39.69 3.69 -1.16	41.97 3.79 -1.08	44.80 3.85 -2.06	49.05 3.66 -9.57	53.20 4.60 -3.48	55.98 4.98 -2.67	57.31 4.47 -8.17	46.35 4.15 -2.32	40.27 3.87 -2.14	37.53 3.49 -1.77
PPL PILGRIM_ST_GT2 24217	43.40 3.47 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.82 3.26 -0.32	38.33 3.42 -0.34	38.84 3.53 -0.31	39.76 3.65 -0.40	39.69 3.69 -1.16	41.97 3.79 -1.08	44.80 3.85 -2.06	49.05 3.66 -9.57	53.20 4.60 -3.48	55.98 4.98 -2.67	57.31 4.47 -8.17	46.35 4.15 -2.32	40.27 3.87 -2.14	37.53 3.49 -1.77
PPL_SHRM_GT3 24213	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.74 3.22 -0.28	38.21 3.35 -0.29	38.79 3.53 -0.27	39.71 3.65 -0.34	39.57 3.73 -1.00	41.89 3.86 -0.93	44.72 3.93 -1.90	49.13 3.83 -9.47	53.26 4.96 -3.18	56.09 5.41 -2.34	57.48 4.91 -7.90	46.43 4.50 -2.05	40.47 4.11 -2.11	37.72 3.68 -1.77
PPL_SHRM_GT4 24214	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.74 3.22 -0.28	38.21 3.35 -0.29	38.79 3.53 -0.27	39.71 3.65 -0.34	39.57 3.73 -1.00	41.89 3.86 -0.93	44.72 3.93 -1.90	49.13 3.83 -9.47	53.26 4.96 -3.18	56.09 5.41 -2.34	57.48 4.91 -7.90	46.43 4.50 -2.05	40.47 4.11 -2.11	37.72 3.68 -1.77
PROJECT___ORANGE 1 24174	39.53 -0.40 0.00	30.82 -0.44 0.00	31.18 -0.47 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.94 -0.39 0.00	28.08 -0.46 0.00	29.48 -0.48 0.00	30.66 -0.53 0.00	33.70 -0.62 0.00	32.67 -0.57 0.00	33.95 -0.62 0.00	34.33 -0.66 0.00	35.08 -0.64 0.00	34.07 -0.77 0.00	36.32 -0.78 0.00	38.10 -0.86 -0.07	35.67 -0.82 -0.67	44.21 -0.99 -0.08	47.33 -1.01 -0.01	43.95 -0.89 -0.17	39.10 -0.80 -0.02	33.81 -0.58 -0.14	31.98 -0.42 -0.13
PROJECT___ORANGE 2 24166	39.53 -0.40 0.00	30.82 -0.44 0.00	31.18 -0.47 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.94 -0.39 0.00	28.08 -0.46 0.00	29.48 -0.48 0.00	30.66 -0.53 0.00	33.70 -0.62 0.00	32.67 -0.57 0.00	33.95 -0.62 0.00	34.33 -0.66 0.00	35.08 -0.64 0.00	34.07 -0.77 0.00	36.32 -0.78 0.00	38.10 -0.86 -0.07	35.67 -0.82 -0.67	44.21 -0.99 -0.08	47.33 -1.01 -0.01	43.95 -0.89 -0.17	39.10 -0.80 -0.02	33.81 -0.58 -0.14	31.98 -0.42 -0.13
PUCKETT___SOLAR 323809	40.45 0.52 0.00	31.54 0.28 0.00	31.84 0.19 0.00	30.38 0.30 0.00	30.17 0.33 0.00	30.70 0.37 0.00	28.71 0.17 0.00	30.17 0.21 0.00	31.32 0.13 0.00	34.31 0.00 0.00	33.31 0.07 0.00	34.57 0.00 0.00	34.92 -0.07 0.00	35.65 -0.07 0.00	34.77 -0.07 0.00	37.10 0.00 0.00	39.10 -0.04 -0.25	38.26 -0.04 -2.47	45.47 0.05 -0.30	48.57 0.19 -0.04	45.44 0.13 -0.64	40.08 0.12 -0.08	34.85 0.07 -0.53	32.92 0.16 -0.49
PYRITES___HYD 24023	39.53 -0.40 0.00	31.01 -0.25 0.00	31.34 -0.32 0.00	29.87 -0.21 0.00	29.51 -0.33 0.00	30.09 -0.24 0.00	28.19 -0.34 0.00	29.57 -0.39 0.00	30.76 -0.44 0.00	33.87 -0.45 0.00	32.77 -0.47 0.00	33.92 -0.66 0.00	34.26 -0.73 0.00	34.90 -0.82 0.00	34.07 -0.77 0.00	36.25 -0.85 0.00	38.23 -0.66 0.00	35.46 -0.36 0.00	44.94 -0.18 0.00	47.90 -0.43 0.00	44.58 -0.09 0.00	39.60 -0.28 0.00	33.81 -0.45 0.00	31.66 -0.61 0.00
QUAKERRD_115KV_BK1 80622	38.69 -1.24 0.00	29.85 -1.41 0.00	30.13 -1.52 0.00	28.76 -1.32 0.00	28.56 -1.28 0.00	29.00 -1.33 0.00	27.08 -1.46 0.00	28.40 -1.56 0.00	29.51 -1.68 0.00	32.22 -2.09 0.00	31.34 -1.89 0.00	32.64 -1.94 0.00	32.96 -2.03 0.00	33.69 -2.04 0.00	32.61 -2.23 0.00	34.76 -2.34 0.00	36.53 -2.45 -0.09	34.35 -2.36 -0.89	42.30 -2.93 -0.11	45.30 -3.04 -0.02	42.13 -2.77 -0.23	37.56 -2.35 -0.03	32.49 -1.95 -0.19	30.93 -1.52 -0.18
QUENSBRY_115KV_TB8 356137	42.21 2.28 0.00	33.01 1.75 0.00	33.46 1.80 0.00	31.80 1.71 0.00	31.48 1.64 0.00	32.03 1.70 0.00	30.22 1.68 0.00	31.67 1.71 0.00	33.06 1.87 0.00	36.51 2.20 0.00	35.33 2.09 0.00	36.82 2.25 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.14 2.30 0.00	39.62 2.52 0.00	42.63 2.64 -1.09	48.90 2.44 -10.64	51.49 3.16 -3.21	53.37 3.48 -1.56	50.88 3.35 -2.86	43.77 2.91 -0.98	38.81 2.30 -2.26	36.51 2.13 -2.11
RAMAPO___LBMP 323565	41.77 1.84 0.00	32.89 1.63 0.00	33.30 1.65 0.00	31.50 1.41 0.00	31.27 1.43 0.00	31.76 1.43 0.00	30.16 1.63 0.00	31.76 1.80 0.00	33.06 1.87 0.00	36.44 2.13 0.00	35.37 2.13 0.00	36.89 2.32 0.00	37.40 2.41 0.00	38.22 2.50 0.00	37.42 2.58 0.00	39.81 2.71 0.00	42.56 2.80 -0.87	47.09 2.69 -8.58	49.57 3.16 -1.29	52.13 3.48 -0.32	49.99 3.08 -2.24	42.99 2.75 -0.36	38.37 2.30 -1.82	35.94 1.97 -1.70
RANKINE____ 23646	38.85 -1.08 0.00	29.67 -1.59 0.00	29.82 -1.84 0.00	28.46 -1.62 0.00	28.32 -1.52 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.85 -2.34 0.00	31.29 -3.02 0.00	30.58 -2.66 0.00	31.91 -2.66 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.36 -3.66 -0.13	33.37 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.78 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.47 -3.05 -0.26	30.13 -2.39 -0.25
RAVENSWOOD_GT2_1 24244	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT2_2 24245	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.49 3.23 -0.38	38.87 2.74 -1.88	36.41 2.39 -1.76



RAVENSWOOD_GT2_3 24246	42.33 2.40 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.92 1.84 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.87 2.63 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT2_4 24247	42.33 2.40 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.92 1.84 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.87 2.63 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.17 3.38 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT3_1 24248	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT3_2 24249	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT3_3 24250	42.37 2.44 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.21 3.42 -0.89	47.89 3.22 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.76
RAVENSWOOD_GT3_4 24251	42.37 2.44 0.00	33.32 2.06 0.00	33.77 2.12 0.00	31.92 1.84 0.00	31.69 1.85 0.00	32.12 1.79 0.00	30.59 2.05 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.21 3.42 -0.89	47.89 3.22 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.57 3.31 -0.38	38.94 2.81 -1.88	36.45 2.42 -1.76
RAVENSWOOD_GT_1 23729	44.56 2.56 -2.07	35.66 2.19 -2.21	33.87 2.22 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.16 1.82 0.00	30.65 2.11 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.67 2.71 -0.64	37.83 2.69 -1.90	39.27 2.90 -1.79	39.82 3.04 -1.78	40.47 3.14 -1.60	39.83 3.21 -1.78	41.66 3.30 -1.26	43.84 3.42 -1.52	48.26 3.26 -9.18	50.26 3.79 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.94 3.27 -0.79	38.91 2.77 -1.88	36.48 2.45 -1.76
RAVENSWOOD_GT_10 24258	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT_11 24259	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT_4 24252	43.87 2.36 -1.58	34.93 2.00 -1.67	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 0.00	37.44 2.64 -0.49	37.28 2.59 -1.44	38.74 2.80 -1.36	39.29 2.94 -1.36	39.98 3.04 -1.22	39.33 3.14 -1.36	41.28 3.23 -0.96	43.61 3.34 -1.37	48.11 3.19 -9.10	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.84 3.27 -0.70	38.91 2.77 -1.88	36.42 2.39 -1.76
RAVENSWOOD_GT_5 24254	43.87 2.36 -1.58	34.93 2.00 -1.67	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 0.00	37.44 2.64 -0.49	37.28 2.59 -1.44	38.74 2.80 -1.36	39.29 2.94 -1.36	39.98 3.04 -1.22	39.33 3.14 -1.36	41.28 3.23 -0.96	43.61 3.34 -1.37	48.11 3.19 -9.10	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.84 3.27 -0.70	38.91 2.77 -1.88	36.42 2.39 -1.76
RAVENSWOOD_GT_6 24253	43.87 2.36 -1.58	34.93 2.00 -1.67	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 0.00	37.44 2.64 -0.49	37.28 2.59 -1.44	38.74 2.80 -1.36	39.29 2.94 -1.36	39.98 3.04 -1.22	39.33 3.14 -1.36	41.28 3.23 -0.96	43.61 3.34 -1.37	48.11 3.19 -9.10	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.84 3.27 -0.70	38.91 2.77 -1.88	36.42 2.39 -1.76
RAVENSWOOD_GT_7 24255	43.87 2.36 -1.58	34.93 2.00 -1.67	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.53 2.00 0.00	32.06 2.10 0.00	33.47 2.28 0.00	37.44 2.64 -0.49	37.28 2.59 -1.44	38.74 2.80 -1.36	39.29 2.94 -1.36	39.98 3.04 -1.22	39.33 3.14 -1.36	41.28 3.23 -0.96	43.61 3.34 -1.37	48.11 3.19 -9.10	50.17 3.70 -1.34	52.63 3.96 -0.34	50.51 3.53 -2.31	43.84 3.27 -0.70	38.91 2.77 -1.88	36.42 2.39 -1.76
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD_GT_9 24257	42.29 2.36 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.89 1.80 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.87 2.63 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.86 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76



RAVENSWOOD___1 23533	42.49 2.56 0.00	33.42 2.16 -0.01	33.84 2.18 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.15 1.82 0.00	30.65 2.11 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.97 2.73 0.00	37.48 2.90 0.00	38.03 3.04 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.93 3.26 -8.85	50.26 3.79 -1.34	52.73 4.06 -0.34	50.59 3.62 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.45 2.42 -1.76
RAVENSWOOD___2 23534	42.45 2.52 0.00	33.42 2.16 -0.01	33.84 2.18 0.00	32.04 1.95 0.00	31.78 1.94 0.00	32.15 1.82 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	37.02 2.71 0.00	35.93 2.69 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.40 3.30 0.00	43.21 3.42 -0.89	47.93 3.26 -8.85	50.21 3.74 -1.34	52.73 4.06 -0.34	50.59 3.62 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.45 2.42 -1.76
RAVENSWOOD___3 23535	42.33 2.40 0.00	33.29 2.03 0.00	33.74 2.09 0.00	31.92 1.84 0.00	31.66 1.82 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.06 2.10 0.00	33.47 2.28 0.00	36.96 2.64 0.00	35.90 2.66 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.76 3.03 0.00	37.98 3.14 0.00	40.36 3.27 0.00	43.17 3.38 -0.89	47.85 3.19 -8.85	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.76
RAVENSWOOD___4 23820	40.41 2.52 2.04	31.26 2.16 2.16	33.83 2.18 0.00	32.01 1.93 0.00	31.78 1.94 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.39 2.71 0.63	34.06 2.69 1.87	35.68 2.87 1.77	36.24 3.01 1.76	37.25 3.11 1.58	36.25 3.17 1.75	39.13 3.27 1.24	42.59 3.42 -0.28	47.60 3.26 -8.52	50.21 3.74 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.12 3.27 0.03	38.90 2.77 -1.88	36.44 2.42 -1.75
RCPL_TRUST___DRP 24196	42.41 2.48 0.00	33.39 2.13 0.00	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.21 1.88 0.00	30.65 2.11 0.00	32.18 2.22 0.00	33.62 2.43 0.00	37.13 2.81 0.00	36.00 2.76 0.00	37.55 2.97 0.00	38.10 3.11 0.00	38.94 3.21 0.00	38.15 3.31 0.00	40.51 3.41 0.00	43.32 3.54 -0.89	48.02 3.37 -8.84	50.39 3.93 -1.34	52.92 4.25 -0.34	50.73 3.75 -2.31	43.69 3.43 -0.38	39.01 2.88 -1.88	36.51 2.48 -1.75
RED___ROCHESTER 323720	39.61 -0.32 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.27 -0.81 0.00	29.15 -0.69 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.88 -1.36 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.33 -1.39 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.16 -1.83 -0.09	34.95 -1.79 -0.92	43.03 -2.21 -0.12	46.12 -2.22 -0.02	42.90 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
REGAN___SOLAR 323812	42.41 2.48 0.00	33.14 1.88 0.00	33.58 1.93 0.00	31.98 1.90 0.00	31.66 1.82 0.00	32.22 1.88 0.00	30.30 1.77 0.00	31.70 1.74 0.00	32.94 1.75 0.00	36.30 1.99 0.00	35.20 1.96 0.00	36.61 2.04 0.00	37.02 2.03 0.00	37.79 2.07 0.00	36.89 2.06 0.00	39.36 2.26 0.00	42.46 2.41 -1.16	49.55 2.33 -11.40	50.78 3.16 -2.50	52.90 3.58 -0.99	51.17 3.49 -3.02	43.69 3.07 -0.74	39.15 2.47 -2.42	36.79 2.26 -2.26
RENSSELAER___COGEN 23796	40.69 0.76 0.00	32.01 0.75 0.00	32.44 0.79 0.00	30.80 0.72 0.00	30.53 0.69 0.00	31.06 0.73 0.00	29.31 0.77 0.00	30.74 0.78 0.00	32.03 0.84 0.00	35.24 0.93 0.00	34.14 0.90 0.00	35.54 0.97 0.00	36.01 1.02 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.32 1.22 0.00	41.03 1.17 -0.97	47.19 1.00 -10.36	41.05 1.35 5.42	45.16 1.50 4.67	48.42 1.39 -2.37	39.25 1.24 1.87	37.48 1.03 -2.20	35.26 0.94 -2.06
REPUBLIC_115KV_BARTNBRK 55605	43.33 3.39 0.00	33.82 2.56 0.00	34.31 2.66 0.00	32.61 2.53 0.00	32.29 2.45 0.00	32.85 2.52 0.00	30.99 2.45 0.00	32.39 2.43 0.00	33.81 2.62 0.00	37.40 3.09 0.00	36.16 2.93 0.00	37.65 3.08 0.00	38.07 3.08 0.00	38.87 3.14 0.00	37.97 3.14 0.00	40.55 3.45 0.00	43.60 3.62 -1.09	49.79 3.33 -10.64	52.80 4.42 -3.25	54.85 4.93 -1.59	52.39 4.87 -2.86	45.02 4.15 -1.00	39.84 3.32 -2.26	37.45 3.07 -2.11
REVERE_CPPR_DRP 24186	40.69 0.76 0.00	31.76 0.50 0.00	32.10 0.44 0.00	30.59 0.51 0.00	30.38 0.54 0.00	31.03 0.70 0.00	28.99 0.46 0.00	30.44 0.48 0.00	31.63 0.44 0.00	34.76 0.45 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.41 0.42 0.00	36.04 0.32 0.00	35.19 0.35 0.00	37.51 0.41 0.00	39.43 0.51 -0.04	36.69 0.50 -0.37	45.98 0.81 -0.04	49.35 1.01 -0.01	45.74 0.98 -0.10	40.73 0.84 -0.01	34.91 0.58 -0.08	32.92 0.58 -0.07
REYNLDPA_13_KV_LD 356490	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	29.99 -0.09 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.67 -0.17 0.00	36.84 -0.26 0.00	38.70 -0.19 0.00	35.75 -0.07 0.00	45.03 -0.09 0.00	48.04 -0.29 0.00	44.40 -0.27 0.00	39.56 -0.32 0.00	33.91 -0.34 0.00	31.79 -0.48 0.00
REYNOLDS_115KV_TB3 80639	41.09 1.16 0.00	32.29 1.03 0.00	32.73 1.08 0.00	31.02 0.93 0.00	30.79 0.95 0.00	31.30 0.97 0.00	29.59 1.06 0.00	31.04 1.08 0.00	32.35 1.15 0.00	35.58 1.27 0.00	34.44 1.20 0.00	35.89 1.31 0.00	36.36 1.36 0.00	37.12 1.39 0.00	36.34 1.50 0.00	38.69 1.60 0.00	41.62 1.63 -1.10	47.63 1.43 -10.37	53.39 1.85 -6.42	54.26 2.03 -3.90	49.44 1.83 -2.95	43.60 1.67 -2.05	37.83 1.37 -2.20	35.59 1.26 -2.06
RIVERBAY____ 323610	42.77 2.84 0.00	33.61 2.34 -0.01	34.09 2.44 0.00	32.22 2.14 0.00	31.96 2.12 0.00	32.21 1.88 0.00	30.70 2.17 0.00	32.12 2.16 0.00	33.53 2.34 0.00	37.02 2.71 0.00	35.90 2.66 0.00	37.44 2.87 0.00	38.00 3.01 0.00	38.83 3.11 0.00	38.01 3.17 0.00	40.33 3.23 0.00	43.13 3.34 -0.89	47.89 3.22 -8.85	50.21 3.75 -1.34	52.73 4.06 -0.34	50.60 3.62 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.54 2.52 -1.76
RIVERSDE_115KV_TB3 55908	40.89 0.96 0.00	32.17 0.91 0.00	32.60 0.95 0.00	30.93 0.84 0.00	30.68 0.84 0.00	31.18 0.85 0.00	29.45 0.91 0.00	30.89 0.93 0.00	32.19 1.00 0.00	35.45 1.13 0.00	34.30 1.06 0.00	35.71 1.14 0.00	36.18 1.19 0.00	36.97 1.25 0.00	36.16 1.32 0.00	38.55 1.45 0.00	41.40 1.44 -1.07	47.43 1.22 -10.39	50.40 1.62 -3.65	52.02 1.79 -1.90	49.09 1.61 -2.82	42.49 1.48 -1.13	37.66 1.20 -2.21	35.43 1.10 -2.06
ROARING___BROOK_WT_PWR 323790	39.61 -0.32 0.00	31.04 -0.22 0.00	31.43 -0.22 0.00	29.87 -0.21 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.91 -0.28 0.00	34.04 -0.28 0.00	32.97 -0.27 0.00	34.26 -0.31 0.00	34.64 -0.35 0.00	35.33 -0.39 0.00	34.46 -0.38 0.00	36.66 -0.44 0.00	38.46 -0.43 0.00	35.43 -0.39 0.00	44.63 -0.50 0.00	47.65 -0.68 0.00	44.04 -0.63 0.00	39.24 -0.64 0.00	33.67 -0.58 0.00	31.66 -0.61 0.00



ROCHESRG_115KV_T4 355643	39.25 -0.68 0.00	30.23 -1.03 0.00	30.51 -1.14 0.00	29.12 -0.96 0.00	28.91 -0.93 0.00	29.36 -0.97 0.00	27.42 -1.11 0.00	28.73 -1.23 0.00	29.79 -1.40 0.00	32.50 -1.82 0.00	31.61 -1.63 0.00	32.91 -1.66 0.00	33.24 -1.75 0.00	33.94 -1.79 0.00	32.89 -1.95 0.00	35.10 -2.00 0.00	36.84 -2.14 -0.09	34.62 -2.11 -0.91	42.58 -2.66 -0.12	45.64 -2.71 -0.02	42.40 -2.50 -0.24	37.88 -2.03 -0.03	32.77 -1.68 -0.19	31.26 -1.19 -0.18
ROCHESTER_9_IC 23652	39.45 -0.48 0.00	30.39 -0.88 0.00	30.64 -1.01 0.00	29.24 -0.84 0.00	29.06 -0.78 0.00	29.48 -0.85 0.00	27.54 -1.00 0.00	28.85 -1.11 0.00	29.94 -1.25 0.00	32.63 -1.68 0.00	31.78 -1.46 0.00	33.09 -1.49 0.00	33.42 -1.57 0.00	34.15 -1.57 0.00	33.03 -1.81 0.00	35.24 -1.85 0.00	37.00 -1.98 -0.09	34.81 -1.93 -0.92	42.85 -2.39 -0.12	45.88 -2.46 -0.02	42.67 -2.23 -0.24	38.07 -1.83 -0.03	32.94 -1.51 -0.20	31.42 -1.03 -0.18
ROCKVIEW_13_KV_LD 356306	42.25 2.32 0.00	33.23 1.97 0.00	33.65 1.99 0.00	31.80 1.71 0.00	31.57 1.73 0.00	32.06 1.73 0.00	30.48 1.94 0.00	32.00 2.04 0.00	33.41 2.21 0.00	36.89 2.57 0.00	35.77 2.53 0.00	37.31 2.73 0.00	37.86 2.87 0.00	38.69 2.96 0.00	37.91 3.07 0.00	40.25 3.15 0.00	43.05 3.27 -0.89	47.78 3.12 -8.84	50.17 3.70 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.49 3.23 -0.38	38.84 2.71 -1.88	36.35 2.32 -1.76
ROME____115KV_TB2 80656	40.69 0.76 0.00	31.76 0.50 0.00	32.10 0.44 0.00	30.59 0.51 0.00	30.38 0.54 0.00	31.03 0.70 0.00	28.99 0.46 0.00	30.44 0.48 0.00	31.63 0.44 0.00	34.76 0.45 0.00	33.70 0.47 0.00	34.95 0.38 0.00	35.41 0.42 0.00	36.04 0.32 0.00	35.19 0.35 0.00	37.51 0.41 0.00	39.43 0.51 -0.04	36.69 0.50 -0.37	45.98 0.81 -0.04	49.35 1.01 -0.01	45.74 0.98 -0.10	40.73 0.84 -0.01	34.91 0.58 -0.08	32.92 0.58 -0.07
ROSETON___1 23587	41.73 1.80 0.00	32.82 1.56 0.00	33.24 1.58 0.00	31.50 1.41 0.00	31.24 1.40 0.00	31.73 1.40 0.00	30.07 1.54 0.00	31.61 1.65 0.00	32.97 1.78 0.00	36.34 2.02 0.00	35.27 2.03 0.00	36.72 2.14 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.24 2.40 0.00	39.62 2.52 0.00	42.43 2.65 -0.89	47.12 2.47 -8.83	49.37 2.93 -1.31	51.84 3.19 -0.32	49.83 2.86 -2.31	42.84 2.59 -0.37	38.29 2.16 -1.88	35.89 1.87 -1.75
ROSETON___2 23588	41.73 1.80 0.00	32.82 1.56 0.00	33.24 1.58 0.00	31.50 1.41 0.00	31.24 1.40 0.00	31.73 1.40 0.00	30.07 1.54 0.00	31.61 1.65 0.00	32.97 1.78 0.00	36.34 2.02 0.00	35.27 2.03 0.00	36.72 2.14 0.00	37.23 2.24 0.00	38.01 2.29 0.00	37.24 2.40 0.00	39.62 2.52 0.00	42.43 2.65 -0.89	47.12 2.47 -8.83	49.37 2.93 -1.31	51.84 3.19 -0.32	49.83 2.86 -2.31	42.84 2.59 -0.37	38.29 2.16 -1.88	35.89 1.87 -1.75
ROTRDAM_115KV_TB3 80664	41.17 1.24 0.00	32.29 1.03 0.00	32.73 1.08 0.00	31.08 0.99 0.00	30.82 0.98 0.00	31.34 1.00 0.00	29.53 1.00 0.00	30.98 1.02 0.00	32.28 1.09 0.00	35.55 1.24 0.00	34.44 1.20 0.00	35.85 1.28 0.00	36.29 1.29 0.00	37.04 1.32 0.00	36.20 1.36 0.00	38.58 1.48 0.00	41.54 1.56 -1.10	47.99 1.43 -10.74	49.46 1.80 -2.53	51.37 1.98 -1.06	49.39 1.88 -2.85	42.31 1.67 -0.76	37.91 1.37 -2.28	35.63 1.23 -2.13
RUSSELL___1 23602	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
RUSSELL___2 23532	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
RUSSELL___3 23549	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
RUSSELL___4 23556	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
RUSSELL___STATION 23914	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
S SALMON___HYD 24043	39.29 -0.64 0.00	30.64 -0.62 0.00	30.96 -0.70 0.00	29.48 -0.60 0.00	29.27 -0.57 0.00	29.82 -0.52 0.00	27.88 -0.66 0.00	29.24 -0.72 0.00	30.41 -0.78 0.00	33.42 -0.89 0.00	32.38 -0.86 0.00	33.61 -0.97 0.00	33.97 -1.02 0.00	34.65 -1.07 0.00	33.65 -1.18 0.00	35.88 -1.22 0.00	37.74 -1.21 -0.05	35.25 -1.11 -0.54	44.02 -1.17 -0.07	47.23 -1.11 -0.01	43.91 -0.89 -0.14	39.06 -0.84 -0.02	33.62 -0.75 -0.12	31.76 -0.61 -0.11
S.PERRY__115KV_TB1 80734	40.65 0.72 0.00	31.14 -0.13 0.00	31.37 -0.28 0.00	29.99 -0.09 0.00	29.81 -0.03 0.00	30.24 -0.09 0.00	28.16 -0.37 0.00	29.42 -0.54 0.00	30.35 -0.84 0.00	32.91 -1.41 0.00	31.94 -1.30 0.00	33.12 -1.45 0.00	33.28 -1.71 0.00	34.01 -1.71 0.00	33.06 -1.78 0.00	35.36 -1.74 0.00	37.16 -1.87 -0.13	35.44 -1.68 -1.30	43.56 -1.71 -0.15	47.00 -1.35 -0.02	43.89 -1.12 -0.34	39.04 -0.88 -0.04	33.78 -0.75 -0.28	32.11 -0.42 -0.26
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	38.65 -1.28 0.00	29.57 -1.69 0.00	29.72 -1.93 0.00	28.37 -1.71 0.00	28.23 -1.61 0.00	28.60 -1.73 0.00	26.62 -1.91 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.74 -2.84 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.83 -3.26 0.00	35.28 -3.73 -0.12	33.25 -3.76 -1.19	40.33 -4.92 -0.12	43.42 -4.93 -0.02	40.33 -4.65 -0.31	36.17 -3.75 -0.04	31.42 -3.08 -0.25	30.12 -2.39 -0.24



SAWYER___23_KV_LOAD 55526	38.65 -1.28 0.00	29.57 -1.69 0.00	29.72 -1.93 0.00	28.37 -1.71 0.00	28.23 -1.61 0.00	28.60 -1.73 0.00	26.62 -1.91 0.00	27.98 -1.98 0.00	28.76 -2.43 0.00	31.16 -3.16 0.00	30.45 -2.79 0.00	31.74 -2.84 0.00	31.95 -3.04 0.00	32.69 -3.04 0.00	31.67 -3.17 0.00	33.83 -3.26 0.00	35.28 -3.73 -0.12	33.25 -3.76 -0.12	40.33 -4.92 -0.12	43.42 -4.93 -0.02	40.33 -4.65 -0.31	36.17 -3.75 -0.04	31.42 -3.08 -0.25	30.12 -2.39 -0.24
SELKIRK___I 23801	40.93 1.00 0.00	32.13 0.87 0.00	32.60 0.95 0.00	30.96 0.87 0.00	30.71 0.87 0.00	31.21 0.88 0.00	29.39 0.86 0.00	30.80 0.84 0.00	32.06 0.87 0.00	35.31 1.00 0.00	34.17 0.93 0.00	35.58 1.00 0.00	36.01 1.02 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.29 1.19 0.00	41.10 1.21 -1.00	47.15 1.07 -10.25	44.54 1.44 2.03	47.68 1.55 2.20	48.64 1.47 -2.51	40.49 1.36 0.74	37.50 1.06 -2.18	35.31 1.00 -2.03
SELKIRK___II 23799	40.77 0.84 0.00	32.04 0.78 0.00	32.47 0.82 0.00	30.84 0.75 0.00	30.59 0.75 0.00	31.09 0.76 0.00	29.31 0.77 0.00	30.77 0.81 0.00	32.03 0.84 0.00	35.27 0.96 0.00	34.17 0.93 0.00	35.58 1.00 0.00	36.01 1.02 0.00	36.76 1.04 0.00	35.95 1.11 0.00	38.29 1.19 0.00	41.10 1.21 -1.00	47.23 1.07 -10.33	43.97 1.40 2.55	47.29 1.55 2.59	48.60 1.43 -2.50	40.24 1.28 0.92	37.48 1.03 -2.20	35.26 0.94 -2.05
SENECA OSWGO___HYD 24041	39.09 -0.84 0.00	30.48 -0.78 0.00	30.83 -0.82 0.00	29.33 -0.75 0.00	29.12 -0.72 0.00	29.61 -0.73 0.00	27.79 -0.74 0.00	29.15 -0.81 0.00	30.35 -0.84 0.00	33.35 -0.96 0.00	32.31 -0.93 0.00	33.61 -0.97 0.00	33.94 -1.05 0.00	34.69 -1.04 0.00	33.69 -1.15 0.00	35.88 -1.22 0.00	37.67 -1.28 -0.06	35.20 -1.22 -0.60	43.75 -1.45 -0.07	46.84 -1.50 -0.01	43.44 -1.38 -0.16	38.70 -1.20 -0.02	33.46 -0.92 -0.13	31.61 -0.77 -0.12
SENECA___115KV_TB3 355854	38.89 -1.04 0.00	29.70 -1.56 0.00	29.85 -1.80 0.00	28.49 -1.59 0.00	28.38 -1.46 0.00	28.73 -1.61 0.00	26.74 -1.80 0.00	28.13 -1.83 0.00	28.88 -2.31 0.00	31.36 -2.95 0.00	30.61 -2.63 0.00	31.95 -2.63 0.00	32.12 -2.87 0.00	32.86 -2.86 0.00	31.88 -2.96 0.00	34.02 -3.08 0.00	35.40 -3.62 -0.13	33.41 -3.65 -1.24	40.47 -4.78 -0.13	43.62 -4.74 -0.02	40.48 -4.51 -0.32	36.29 -3.63 -0.04	31.54 -2.98 -0.26	30.16 -2.36 -0.25
SENECA___ENERGY 23797	39.57 -0.36 0.00	30.73 -0.53 0.00	31.02 -0.63 0.00	29.54 -0.54 0.00	29.33 -0.51 0.00	29.85 -0.49 0.00	27.96 -0.57 0.00	29.33 -0.63 0.00	30.48 -0.72 0.00	33.39 -0.92 0.00	32.38 -0.86 0.00	33.67 -0.90 0.00	34.01 -0.98 0.00	34.72 -1.00 0.00	33.72 -1.12 0.00	35.99 -1.11 0.00	37.78 -1.21 -0.10	35.68 -1.11 -0.97	43.93 -1.31 -0.12	47.09 -1.26 -0.02	43.76 -1.16 -0.25	38.92 -1.00 -0.03	33.64 -0.82 -0.21	31.85 -0.61 -0.19
SHOEMAKER___GT 23640	41.69 1.75 0.00	32.79 1.53 0.00	33.17 1.52 0.00	31.44 1.35 0.00	31.18 1.34 0.00	31.67 1.33 0.00	30.02 1.48 0.00	31.58 1.62 0.00	32.88 1.68 0.00	36.23 1.92 0.00	35.13 1.89 0.00	36.61 2.04 0.00	37.13 2.13 0.00	37.87 2.14 0.00	37.10 2.26 0.00	39.48 2.38 0.00	42.22 2.49 -0.84	46.47 2.36 -8.28	49.20 2.84 -1.23	51.77 3.14 -0.30	49.65 2.82 -2.16	42.74 2.51 -0.35	38.10 2.09 -1.76	35.72 1.81 -1.64
SHOEMAKR_138KV_BK 111 55601	41.69 1.76 0.00	32.79 1.53 0.00	33.17 1.52 0.00	31.41 1.32 0.00	31.18 1.34 0.00	31.67 1.33 0.00	30.02 1.48 0.00	31.58 1.62 0.00	32.88 1.68 0.00	36.24 1.92 0.00	35.13 1.89 0.00	36.61 2.04 0.00	37.12 2.13 0.00	37.90 2.18 0.00	37.14 2.30 0.00	39.47 2.37 0.00	42.21 2.49 -0.83	46.46 2.40 -8.24	49.19 2.84 -1.23	51.77 3.14 -0.30	49.63 2.81 -2.15	42.74 2.51 -0.35	38.10 2.09 -1.75	35.71 1.81 -1.64
SHOREHAM_IC_1 23715	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.74 3.22 -0.28	38.21 3.35 -0.29	38.79 3.53 -0.27	39.71 3.65 -0.34	39.57 3.73 -1.00	41.89 3.86 -0.93	44.72 3.93 -1.90	49.13 3.83 -9.47	53.26 4.96 -3.18	56.09 5.41 -2.34	57.48 4.91 -7.90	46.43 4.50 -2.05	40.47 4.11 -2.11	37.72 3.68 -1.77
SHOREHAM_IC_2 23716	43.33 3.39 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.28 2.20 0.00	32.20 2.36 0.00	32.52 2.18 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.71 3.19 -0.28	38.22 3.35 -0.29	38.79 3.53 -0.27	39.70 3.64 -0.34	39.57 3.73 -1.00	41.85 3.82 -0.93	44.72 3.93 -1.90	49.12 3.83 -9.47	53.22 4.92 -3.18	56.09 5.41 -2.34	57.48 4.91 -7.90	46.43 4.51 -2.05	40.47 4.11 -2.11	37.72 3.68 -1.77
SISSONVILLE____ 23735	38.73 -1.20 0.00	30.39 -0.88 0.00	30.74 -0.92 0.00	29.27 -0.81 0.00	28.91 -0.93 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.22 -0.97 0.00	33.35 -0.96 0.00	32.28 -0.96 0.00	33.43 -1.14 0.00	33.80 -1.19 0.00	34.47 -1.25 0.00	33.65 -1.18 0.00	35.76 -1.34 0.00	37.65 -1.24 0.00	34.85 -0.97 0.00	44.04 -1.08 0.00	46.78 -1.55 0.00	43.50 -1.16 0.00	38.68 -1.20 0.00	33.09 -1.16 0.00	30.98 -1.29 0.00
SITHE_IND_GS1 24169	38.85 -1.08 0.00	30.32 -0.94 0.00	30.67 -0.98 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.41 -1.43 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.82 -1.47 -0.47	43.37 -1.81 -0.06	46.40 -1.93 -0.01	43.04 -1.74 -0.12	38.34 -1.56 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
SITHE_IND_GS2 24170	38.85 -1.08 0.00	30.32 -0.94 0.00	30.67 -0.98 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.41 -1.43 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.82 -1.47 -0.47	43.37 -1.81 -0.06	46.40 -1.93 -0.01	43.04 -1.74 -0.12	38.34 -1.56 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
SITHE_IND_GS3 24171	38.85 -1.08 0.00	30.32 -0.94 0.00	30.67 -0.98 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.41 -1.43 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.82 -1.47 -0.47	43.37 -1.81 -0.06	46.40 -1.93 -0.01	43.04 -1.74 -0.12	38.34 -1.56 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
SITHE_IND_GS4 24172	38.85 -1.08 0.00	30.32 -0.94 0.00	30.67 -0.98 0.00	29.15 -0.93 0.00	28.95 -0.89 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.28 0.00	33.41 -1.43 0.00	35.61 -1.49 0.00	37.38 -1.56 -0.05	34.82 -1.47 -0.47	43.37 -1.81 -0.06	46.40 -1.93 -0.01	43.04 -1.74 -0.12	38.34 -1.56 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09



SITHE____BATAVIA 24024	39.53 -0.40 0.00	30.20 -1.06 0.00	30.54 -1.11 0.00	29.06 -1.02 0.00	28.86 -0.98 0.00	29.33 -1.00 0.00	27.25 -1.28 0.00	28.55 -1.41 0.00	29.51 -1.68 0.00	31.95 -2.37 0.00	31.11 -2.13 0.00	32.43 -2.14 0.00	32.65 -2.34 0.00	33.36 -2.36 0.00	32.30 -2.54 0.00	34.50 -2.60 0.00	36.08 -2.92 -0.11	34.05 -2.83 -1.06	41.72 -3.52 -0.12	44.92 -3.43 -0.02	41.81 -3.13 -0.28	37.40 -2.51 -0.04	32.39 -2.09 -0.22	31.03 -1.45 -0.21
SITHE____INDEPEND 23800	38.85 -1.08 0.00	30.29 -0.97 0.00	30.67 -0.98 0.00	29.18 -0.90 0.00	28.94 -0.90 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.16 -1.03 0.00	33.15 -1.17 0.00	32.08 -1.16 0.00	33.33 -1.24 0.00	33.73 -1.26 0.00	34.44 -1.29 0.00	33.41 -1.43 0.00	35.62 -1.48 0.00	37.38 -1.56 -0.05	34.82 -1.47 -0.47	43.38 -1.80 -0.06	46.41 -1.93 -0.01	43.05 -1.74 -0.12	38.34 -1.56 -0.02	33.15 -1.20 -0.10	31.36 -1.00 -0.09
SITHE____MASSENA 23902	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	30.02 -0.06 0.00	29.66 -0.18 0.00	30.15 -0.18 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.44 -0.29 0.00	34.63 -0.21 0.00	36.80 -0.30 0.00	38.66 -0.23 0.00	35.75 -0.07 0.00	45.08 -0.05 0.00	47.90 -0.44 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.95 -0.31 0.00	31.82 -0.45 0.00
SITHE____OGDNSBRG 24021	39.77 -0.16 0.00	31.23 -0.03 0.00	31.56 -0.09 0.00	30.05 -0.03 0.00	29.69 -0.15 0.00	30.24 -0.09 0.00	28.36 -0.17 0.00	29.75 -0.21 0.00	30.94 -0.25 0.00	34.07 -0.24 0.00	32.94 -0.30 0.00	34.12 -0.45 0.00	34.47 -0.52 0.00	35.11 -0.61 0.00	34.28 -0.56 0.00	36.47 -0.63 0.00	38.46 -0.43 0.00	35.68 -0.14 0.00	45.21 0.09 0.00	48.14 -0.19 0.00	44.80 0.13 0.00	39.84 -0.04 0.00	34.01 -0.24 0.00	31.85 -0.42 0.00
SITHE____STERLING 23777	40.53 0.60 0.00	31.64 0.38 0.00	32.00 0.35 0.00	30.47 0.39 0.00	30.26 0.42 0.00	30.85 0.52 0.00	28.88 0.34 0.00	30.32 0.36 0.00	31.50 0.31 0.00	34.62 0.31 0.00	33.54 0.30 0.00	34.85 0.28 0.00	35.27 0.28 0.00	35.94 0.22 0.00	35.05 0.21 0.00	37.39 0.30 0.00	39.24 0.31 -0.04	36.57 0.32 -0.43	45.72 0.54 -0.05	49.06 0.73 -0.01	45.49 0.71 -0.11	40.49 0.60 -0.01	34.79 0.44 -0.09	32.81 0.45 -0.09
SLEIGHT__34_KV_TB1 80719	39.41 -0.52 0.00	30.45 -0.81 0.00	30.74 -0.92 0.00	29.30 -0.78 0.00	29.12 -0.72 0.00	29.58 -0.76 0.00	27.65 -0.88 0.00	29.00 -0.96 0.00	30.19 -1.00 0.00	33.01 -1.30 0.00	32.08 -1.16 0.00	33.40 -1.18 0.00	33.73 -1.26 0.00	34.44 -1.29 0.00	33.34 -1.50 0.00	35.58 -1.52 0.00	37.39 -1.59 -0.09	35.17 -1.54 -0.89	43.38 -1.85 -0.11	46.41 -1.93 -0.02	43.16 -1.74 -0.23	38.43 -1.48 -0.03	33.25 -1.20 -0.19	31.58 -0.87 -0.18
SMITHTWN_69_KV_BK 1 55830	43.29 3.35 0.00	34.01 2.75 0.00	34.31 2.66 0.00	32.28 2.20 0.00	32.17 2.33 0.00	32.52 2.18 0.00	31.07 2.54 0.00	32.60 2.64 0.00	34.25 3.06 0.00	37.75 3.43 -0.29	36.79 3.26 -0.30	38.30 3.42 -0.28	38.84 3.57 -0.35	39.75 3.68 -0.35	39.64 3.76 -1.04	41.92 3.86 -0.97	44.83 4.01 -1.94	49.15 3.83 -9.49	53.15 4.78 -3.25	55.97 5.22 -2.42	57.33 4.69 -7.97	46.30 4.31 -2.11	40.31 3.94 -2.11	37.56 3.52 -1.77
SOUTH CAIRO____GT 23612	41.65 1.72 0.00	32.67 1.41 0.00	33.05 1.39 0.00	31.38 1.29 0.00	31.15 1.31 0.00	31.61 1.27 0.00	29.73 1.20 0.00	31.28 1.32 0.00	32.50 1.31 0.00	35.69 1.37 0.00	34.47 1.23 0.00	35.82 1.24 0.00	36.25 1.26 0.00	36.90 1.18 0.00	36.09 1.25 0.00	38.51 1.41 0.00	41.38 1.52 -0.97	46.96 1.15 -9.99	45.03 2.26 2.34	48.48 2.56 2.41	49.59 2.50 -2.42	41.14 2.11 0.85	37.64 1.27 -2.12	35.48 1.23 -1.98
SOUTH HAMPTN____IC 23720	43.56 3.63 0.00	34.11 2.84 0.00	34.41 2.75 0.00	32.34 2.26 0.00	32.26 2.42 0.00	32.55 2.21 0.00	31.13 2.60 0.00	32.69 2.73 0.00	34.34 3.15 0.00	37.88 3.57 0.00	36.80 3.29 -0.27	38.31 3.46 -0.28	38.86 3.60 -0.26	39.81 3.75 -0.33	39.66 3.83 -0.98	41.95 3.93 -0.92	44.82 4.04 -1.88	49.22 3.94 -9.46	53.42 5.14 -3.15	56.30 5.65 -2.32	57.72 5.18 -7.88	46.65 4.74 -2.03	40.67 4.32 -2.10	37.91 3.87 -1.77
SOUTHDOW_115KV_TB1 355954	39.77 -0.16 0.00	30.17 -1.09 0.00	30.26 -1.39 0.00	28.85 -1.23 0.00	28.77 -1.07 0.00	29.12 -1.21 0.00	27.08 -1.46 0.00	28.58 -1.38 0.00	29.26 -1.93 0.00	31.77 -2.54 0.00	31.08 -2.16 0.00	32.46 -2.11 0.00	32.58 -2.41 0.00	33.33 -2.39 0.00	32.37 -2.47 0.00	34.54 -2.56 0.00	35.88 -3.15 -0.14	34.01 -3.15 -1.34	41.07 -4.20 -0.14	44.44 -3.91 -0.02	41.13 -3.89 -0.35	36.89 -3.03 -0.04	32.00 -2.53 -0.28	30.47 -2.07 -0.27
SOUTHOLD_69_KV_BK 2 55809	43.41 3.47 0.00	34.07 2.81 0.00	34.34 2.69 0.00	32.25 2.17 0.00	32.20 2.36 0.00	32.49 2.15 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.34 3.15 0.00	37.92 3.60 0.00	36.70 3.19 -0.27	38.25 3.39 -0.28	38.82 3.57 -0.26	39.81 3.75 -0.33	39.62 3.80 -0.99	41.91 3.90 -0.92	44.82 4.04 -1.88	49.26 3.98 -9.46	53.51 5.23 -3.15	56.54 5.90 -2.32	58.04 5.49 -7.88	46.97 5.06 -2.03	40.88 4.52 -2.10	38.17 4.13 -1.77
SOUTHOLD____IC 23719	43.53 3.60 0.00	34.08 2.81 0.00	34.34 2.69 0.00	32.28 2.19 0.00	32.20 2.36 0.00	32.49 2.15 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.34 3.15 0.00	37.92 3.60 0.00	36.74 3.22 -0.27	38.28 3.42 -0.28	38.86 3.60 -0.26	39.81 3.75 -0.33	39.66 3.83 -0.99	41.95 3.93 -0.92	44.86 4.08 -1.88	49.26 3.98 -9.46	53.55 5.28 -3.15	56.54 5.89 -2.32	58.03 5.49 -7.88	46.97 5.07 -2.03	40.88 4.52 -2.10	38.17 4.13 -1.77
SOUTH_FORK_WT_PWR 323839	43.16 3.23 0.00	33.76 2.50 0.00	34.06 2.40 0.00	31.98 1.90 0.00	31.93 2.09 0.00	32.18 1.85 0.00	30.82 2.28 0.00	32.36 2.40 0.00	34.06 2.87 0.00	37.61 3.29 0.00	36.37 2.86 -0.27	37.90 3.04 -0.28	38.47 3.22 -0.26	39.45 3.40 -0.33	39.31 3.48 -0.99	41.58 3.56 -0.92	44.43 3.65 -1.88	48.90 3.62 -9.46	53.15 4.87 -3.15	56.16 5.51 -2.32	57.72 5.18 -7.88	46.77 4.86 -2.03	40.71 4.35 -2.10	38.04 4.00 -1.77
SPIERFLS_115KV_TB 1 80737	42.05 2.12 0.00	32.89 1.63 0.00	33.36 1.71 0.00	31.68 1.59 0.00	31.39 1.55 0.00	31.94 1.61 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.94 1.75 0.00	36.37 2.06 0.00	35.23 1.99 0.00	36.68 2.11 0.00	37.09 2.10 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.47 2.37 0.00	42.47 2.49 -1.09	48.76 2.29 -10.65	51.28 2.98 -3.18	53.11 3.24 -1.54	50.65 3.13 -2.86	43.56 2.71 -0.97	38.67 2.16 -2.26	36.38 2.00 -2.11
ST LAWRENCE____ 23600	39.41 -0.52 0.00	30.92 -0.34 0.00	31.27 -0.38 0.00	29.75 -0.33 0.00	29.45 -0.39 0.00	29.91 -0.42 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.82 -0.37 0.00	33.94 -0.38 0.00	32.87 -0.36 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.39 -0.45 0.00	36.58 -0.52 0.00	38.43 -0.46 0.00	35.46 -0.36 0.00	44.67 -0.45 0.00	47.65 -0.68 0.00	44.08 -0.58 0.00	39.28 -0.60 0.00	33.67 -0.58 0.00	31.59 -0.68 0.00



STATE_CA_115KV_115_LB 55624	40.81 0.88 0.00	32.14 0.88 0.00	32.54 0.89 0.00	30.90 0.81 0.00	30.65 0.81 0.00	31.15 0.82 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.13 0.94 0.00	35.38 1.06 0.00	34.27 1.03 0.00	35.71 1.14 0.00	36.15 1.15 0.00	36.94 1.21 0.00	36.13 1.29 0.00	38.47 1.37 0.00	41.32 1.36 -1.06	47.45 1.18 -10.45	48.89 1.53 -2.23	50.89 1.69 -0.87	48.99 1.56 -2.76	41.94 1.40 -0.66	37.64 1.16 -2.22	35.41 1.06 -2.07
STATE_ST_34_KV_LOAD 55959	39.85 -0.08 0.00	31.01 -0.25 0.00	31.34 -0.32 0.00	29.84 -0.24 0.00	29.63 -0.21 0.00	30.12 -0.21 0.00	28.25 -0.29 0.00	29.66 -0.30 0.00	30.88 -0.31 0.00	33.90 -0.41 0.00	32.87 -0.37 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.36 -0.62 -0.10	36.20 -0.57 -0.95	44.65 -0.59 -0.12	47.82 -0.53 -0.02	44.42 -0.49 -0.25	39.47 -0.44 -0.03	34.11 -0.34 -0.20	32.23 -0.23 -0.19
STATION_5_MISC_HYD 23604	39.41 -0.52 0.00	30.39 -0.88 0.00	30.64 -1.01 0.00	29.15 -0.93 0.00	29.04 -0.80 0.00	29.48 -0.85 0.00	27.54 -1.00 0.00	28.85 -1.11 0.00	29.94 -1.25 0.00	32.63 -1.68 0.00	31.74 -1.50 0.00	33.09 -1.49 0.00	33.42 -1.57 0.00	34.15 -1.57 0.00	33.03 -1.81 0.00	35.25 -1.85 0.00	37.00 -1.98 -0.09	34.80 -1.93 -0.92	42.80 -2.44 -0.12	45.88 -2.46 -0.02	42.67 -2.23 -0.24	38.08 -1.83 -0.03	32.94 -1.51 -0.20	31.42 -1.03 -0.18
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	39.61 -0.32 0.00	30.60 -0.66 0.00	30.89 -0.76 0.00	29.45 -0.63 0.00	29.27 -0.57 0.00	29.73 -0.61 0.00	27.76 -0.77 0.00	29.12 -0.84 0.00	30.29 -0.90 0.00	33.08 -1.24 0.00	32.18 -1.06 0.00	33.47 -1.11 0.00	33.80 -1.19 0.00	34.51 -1.21 0.00	33.41 -1.43 0.00	35.69 -1.41 0.00	37.47 -1.52 -0.09	35.28 -1.47 -0.93	43.48 -1.76 -0.12	46.56 -1.79 -0.02	43.30 -1.61 -0.24	38.55 -1.36 -0.03	33.32 -1.13 -0.20	31.68 -0.77 -0.18
STA_56_34_KV_BUS2_REV_LBMP_B 345033	39.25 -0.68 0.00	30.26 -1.00 0.00	30.55 -1.11 0.00	29.12 -0.96 0.00	28.94 -0.90 0.00	29.36 -0.97 0.00	27.42 -1.11 0.00	28.76 -1.20 0.00	29.85 -1.34 0.00	32.56 -1.75 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.73 -2.01 -0.91	42.75 -2.48 -0.11	45.79 -2.56 -0.02	42.58 -2.32 -0.24	37.99 -1.91 -0.03	32.84 -1.61 -0.19	31.32 -1.13 -0.18
STA_56___34_KV_BUS2 355983	39.25 -0.68 0.00	30.26 -1.00 0.00	30.55 -1.11 0.00	29.12 -0.96 0.00	28.94 -0.90 0.00	29.36 -0.97 0.00	27.42 -1.11 0.00	28.76 -1.20 0.00	29.85 -1.34 0.00	32.56 -1.75 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.73 -2.01 -0.91	42.75 -2.48 -0.11	45.79 -2.56 -0.02	42.58 -2.32 -0.24	37.99 -1.91 -0.03	32.84 -1.61 -0.19	31.32 -1.13 -0.18
STA_67___115KV_BK2 355882	39.37 -0.56 0.00	30.32 -0.94 0.00	30.61 -1.04 0.00	29.18 -0.90 0.00	29.00 -0.84 0.00	29.45 -0.88 0.00	27.48 -1.06 0.00	28.82 -1.14 0.00	29.88 -1.31 0.00	32.56 -1.75 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.70 -2.04 -0.92	42.71 -2.53 -0.12	45.79 -2.56 -0.02	42.58 -2.32 -0.24	38.00 -1.91 -0.03	32.87 -1.58 -0.19	31.36 -1.10 -0.18
STA_7___115KV_9TRANS 80674	39.65 -0.28 0.00	30.51 -0.75 0.00	30.77 -0.89 0.00	29.36 -0.72 0.00	29.18 -0.66 0.00	29.61 -0.73 0.00	27.62 -0.91 0.00	28.97 -0.99 0.00	30.07 -1.12 0.00	32.80 -1.51 0.00	31.94 -1.30 0.00	33.26 -1.31 0.00	33.59 -1.40 0.00	34.29 -1.43 0.00	33.20 -1.64 0.00	35.43 -1.67 0.00	37.19 -1.79 -0.09	34.95 -1.79 -0.92	43.07 -2.17 -0.12	46.12 -2.22 -0.02	42.89 -2.01 -0.24	38.27 -1.64 -0.03	33.11 -1.34 -0.20	31.58 -0.87 -0.18
STA_82___115KV_TB1 80780	39.37 -0.56 0.00	30.32 -0.94 0.00	30.61 -1.04 0.00	29.18 -0.90 0.00	29.00 -0.84 0.00	29.45 -0.88 0.00	27.48 -1.06 0.00	28.82 -1.14 0.00	29.88 -1.31 0.00	32.56 -1.75 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.70 -2.04 -0.92	42.71 -2.53 -0.12	45.79 -2.56 -0.02	42.58 -2.32 -0.24	38.00 -1.91 -0.03	32.87 -1.58 -0.20	31.36 -1.10 -0.18
STEEL___WIND 323596	38.81 -1.12 0.00	29.70 -1.56 0.00	29.85 -1.80 0.00	28.46 -1.62 0.00	28.26 -1.58 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.88 -2.31 0.00	31.33 -2.99 0.00	30.55 -2.69 0.00	31.88 -2.70 0.00	32.09 -2.90 0.00	32.83 -2.89 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.32 -3.70 -0.13	33.38 -3.69 -1.24	40.38 -4.87 -0.13	43.57 -4.79 -0.02	40.43 -4.56 -0.32	36.25 -3.67 -0.04	31.50 -3.01 -0.26	30.13 -2.39 -0.25
STEPHTWN_115KV_BK_2 55603	41.05 1.12 0.00	32.26 1.00 0.00	32.70 1.04 0.00	31.05 0.96 0.00	30.79 0.95 0.00	31.30 0.97 0.00	29.53 1.00 0.00	30.98 1.02 0.00	32.31 1.12 0.00	35.58 1.27 0.00	34.47 1.23 0.00	35.89 1.31 0.00	36.32 1.33 0.00	37.12 1.39 0.00	36.30 1.46 0.00	38.66 1.56 0.00	41.42 1.56 -0.97	47.55 1.36 -10.36	41.50 1.80 5.42	45.64 1.98 4.67	48.87 1.83 -2.37	39.64 1.64 1.87	37.83 1.37 -2.20	35.55 1.23 -2.06
STEUBEN_REC_LFGE 323667	39.97 0.04 0.00	30.67 -0.59 0.00	30.86 -0.79 0.00	29.42 -0.66 0.00	29.24 -0.60 0.00	29.67 -0.67 0.00	27.65 -0.88 0.00	29.09 -0.87 0.00	30.04 -1.15 0.00	32.70 -1.61 0.00	31.84 -1.40 0.00	33.09 -1.49 0.00	33.24 -1.75 0.00	34.04 -1.68 0.00	33.06 -1.78 0.00	35.32 -1.78 0.00	36.96 -2.10 -0.17	35.45 -2.01 -1.64	42.83 -2.48 -0.19	46.04 -2.32 -0.03	42.86 -2.23 -0.43	38.10 -1.83 -0.05	33.03 -1.58 -0.35	31.30 -1.29 -0.33
STILLWATER___SOLAR 323814	41.89 1.96 0.00	32.82 1.56 0.00	33.30 1.64 0.00	31.59 1.50 0.00	31.30 1.46 0.00	31.85 1.52 0.00	30.05 1.51 0.00	31.49 1.53 0.00	32.84 1.65 0.00	36.20 1.89 0.00	35.03 1.79 0.00	36.47 1.90 0.00	36.91 1.92 0.00	37.69 1.96 0.00	36.86 2.02 0.00	39.29 2.19 0.00	42.28 2.29 -1.09	48.54 2.11 -10.60	51.38 2.75 -3.50	53.10 3.00 -1.77	50.39 2.86 -2.86	43.43 2.47 -1.08	38.53 2.02 -2.25	36.25 1.87 -2.10
STONY___BROOK 24151	43.45 3.51 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.28 3.09 0.00	37.78 3.46 0.00	36.82 3.29 -0.28	38.29 3.42 -0.30	38.84 3.57 -0.28	39.75 3.68 -0.35	39.63 3.76 -1.03	41.95 3.89 -0.96	44.82 4.01 -1.92	49.14 3.83 -9.49	53.18 4.83 -3.23	56.00 5.27 -2.40	57.34 4.73 -7.95	46.32 4.35 -2.09	40.34 3.97 -2.11	37.62 3.58 -1.77
STURGEON_POOL_HYD 23609	41.77 1.84 0.00	32.86 1.59 0.00	33.24 1.58 0.00	31.47 1.38 0.00	31.27 1.43 0.00	31.70 1.37 0.00	30.05 1.51 0.00	31.61 1.65 0.00	32.91 1.72 0.00	36.27 1.96 0.00	35.17 1.93 0.00	36.65 2.07 0.00	37.16 2.17 0.00	37.90 2.18 0.00	37.14 2.30 0.00	39.51 2.41 0.00	42.32 2.53 -0.90	47.12 2.29 -9.00	48.56 2.93 -0.50	51.29 3.24 0.28	49.93 2.95 -2.31	42.61 2.63 -0.10	38.15 1.99 -1.91	35.77 1.71 -1.79



ST_LAW_115_BK7_LBMP 345037	39.41 -0.52 0.00	30.89 -0.37 0.00	31.27 -0.38 0.00	29.72 -0.36 0.00	29.42 -0.42 0.00	29.88 -0.45 0.00	28.11 -0.43 0.00	29.51 -0.45 0.00	30.79 -0.41 0.00	33.94 -0.38 0.00	32.84 -0.40 0.00	34.09 -0.48 0.00	34.47 -0.52 0.00	35.19 -0.53 0.00	34.35 -0.49 0.00	36.54 -0.56 0.00	38.38 -0.51 0.00	35.43 -0.39 0.00	44.67 -0.45 0.00	47.61 -0.72 0.00	44.08 -0.58 0.00	39.24 -0.64 0.00	33.64 -0.62 0.00	31.56 -0.71 0.00
ST_LAW_115_BK8_LBMP 345038	39.41 -0.52 0.00	30.89 -0.37 0.00	31.27 -0.38 0.00	29.72 -0.36 0.00	29.42 -0.42 0.00	29.88 -0.45 0.00	28.11 -0.43 0.00	29.51 -0.45 0.00	30.79 -0.41 0.00	33.94 -0.38 0.00	32.84 -0.40 0.00	34.09 -0.48 0.00	34.47 -0.52 0.00	35.19 -0.53 0.00	34.35 -0.49 0.00	36.54 -0.56 0.00	38.38 -0.51 0.00	35.43 -0.39 0.00	44.67 -0.45 0.00	47.61 -0.72 0.00	44.08 -0.58 0.00	39.24 -0.64 0.00	33.64 -0.62 0.00	31.56 -0.71 0.00
ST_LAW_230_BK5_LBMP 345035	39.41 -0.52 0.00	30.92 -0.34 0.00	31.27 -0.38 0.00	29.75 -0.33 0.00	29.45 -0.39 0.00	29.91 -0.42 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.82 -0.37 0.00	33.94 -0.38 0.00	32.87 -0.36 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.39 -0.45 0.00	36.58 -0.52 0.00	38.43 -0.46 0.00	35.46 -0.36 0.00	44.67 -0.45 0.00	47.65 -0.68 0.00	44.08 -0.58 0.00	39.28 -0.60 0.00	33.67 -0.58 0.00	31.59 -0.68 0.00
ST_LAW_230_BK6_LBMP 345036	39.41 -0.52 0.00	30.92 -0.34 0.00	31.27 -0.38 0.00	29.75 -0.33 0.00	29.45 -0.39 0.00	29.91 -0.42 0.00	28.14 -0.40 0.00	29.54 -0.42 0.00	30.82 -0.37 0.00	33.94 -0.38 0.00	32.87 -0.36 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.39 -0.45 0.00	36.58 -0.52 0.00	38.43 -0.46 0.00	35.46 -0.36 0.00	44.67 -0.45 0.00	47.65 -0.68 0.00	44.08 -0.58 0.00	39.28 -0.60 0.00	33.67 -0.58 0.00	31.59 -0.68 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	41.77 1.84 0.00	32.86 1.59 0.00	33.24 1.58 0.00	31.47 1.38 0.00	31.24 1.40 0.00	31.73 1.40 0.00	30.10 1.57 0.00	31.67 1.71 0.00	32.97 1.78 0.00	36.37 2.06 0.00	35.27 2.03 0.00	36.75 2.18 0.00	37.30 2.31 0.00	38.08 2.36 0.00	37.28 2.44 0.00	39.66 2.56 0.00	42.42 2.68 -0.85	46.77 2.54 -8.41	49.40 3.02 -1.26	51.97 3.33 -0.30	49.81 2.95 -2.20	42.90 2.67 -0.35	38.23 2.19 -1.79	35.84 1.90 -1.67
SWANROAD_115KV_TB1 355699	37.97 -1.96 0.00	29.04 -2.22 0.00	29.22 -2.44 0.00	27.89 -2.20 0.00	27.75 -2.09 0.00	28.12 -2.21 0.00	26.17 -2.37 0.00	27.47 -2.49 0.00	28.23 -2.96 0.00	30.57 -3.74 0.00	29.85 -3.39 0.00	31.12 -3.46 0.00	31.32 -3.67 0.00	32.04 -3.68 0.00	31.04 -3.80 0.00	33.17 -3.93 0.00	34.61 -4.39 -0.11	32.56 -4.41 -1.14	39.56 -5.69 -0.12	42.55 -5.80 -0.02	39.56 -5.40 -0.30	35.49 -4.43 -0.04	30.87 -3.63 -0.24	29.66 -2.84 -0.23
SYNERGY___BIOGAS 323694	39.57 -0.36 0.00	30.20 -1.06 0.00	30.42 -1.23 0.00	29.06 -1.02 0.00	28.91 -0.93 0.00	29.33 -1.00 0.00	27.25 -1.28 0.00	28.55 -1.41 0.00	29.51 -1.68 0.00	31.95 -2.37 0.00	31.15 -2.09 0.00	32.46 -2.11 0.00	32.65 -2.34 0.00	33.36 -2.36 0.00	32.30 -2.54 0.00	34.50 -2.60 0.00	36.12 -2.88 -0.11	34.05 -2.83 -1.06	41.77 -3.47 -0.12	44.92 -3.43 -0.02	41.81 -3.13 -0.28	37.40 -2.51 -0.04	32.39 -2.09 -0.22	31.03 -1.45 -0.21
SYRACUSE___ENERGY_ST1 323597	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
SYRACUSE___ENERGY_ST2 323598	39.73 -0.20 0.00	30.95 -0.31 0.00	31.31 -0.35 0.00	29.78 -0.30 0.00	29.57 -0.27 0.00	30.06 -0.27 0.00	28.19 -0.34 0.00	29.60 -0.36 0.00	30.82 -0.37 0.00	33.87 -0.45 0.00	32.84 -0.40 0.00	34.12 -0.45 0.00	34.50 -0.49 0.00	35.22 -0.50 0.00	34.21 -0.63 0.00	36.51 -0.59 0.00	38.31 -0.66 -0.08	35.94 -0.64 -0.76	44.45 -0.77 -0.09	47.57 -0.77 -0.01	44.15 -0.71 -0.20	39.31 -0.60 -0.03	34.01 -0.41 -0.16	32.13 -0.29 -0.15
SYRACUSE___POWER 24017	39.65 -0.28 0.00	30.89 -0.38 0.00	31.24 -0.41 0.00	29.75 -0.33 0.00	29.51 -0.33 0.00	30.00 -0.33 0.00	28.16 -0.37 0.00	29.57 -0.39 0.00	30.76 -0.44 0.00	33.80 -0.51 0.00	32.74 -0.50 0.00	34.06 -0.52 0.00	34.40 -0.59 0.00	35.15 -0.57 0.00	34.14 -0.70 0.00	36.43 -0.67 0.00	38.23 -0.74 -0.08	35.90 -0.72 -0.80	44.41 -0.81 -0.10	47.52 -0.82 -0.01	44.11 -0.76 -0.21	39.27 -0.64 -0.03	33.94 -0.48 -0.17	32.07 -0.35 -0.16
TALLMAN_138KV_BK151 55660	41.85 1.92 0.00	32.95 1.69 0.00	33.36 1.71 0.00	31.56 1.47 0.00	31.33 1.49 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.82 1.86 0.00	33.13 1.93 0.00	36.54 2.23 0.00	35.47 2.23 0.00	36.96 2.39 0.00	37.51 2.52 0.00	38.29 2.57 0.00	37.52 2.68 0.00	39.88 2.78 0.00	42.68 2.92 -0.87	47.16 2.76 -8.58	49.66 3.25 -1.29	52.27 3.62 -0.32	50.08 3.17 -2.24	43.11 2.87 -0.36	38.44 2.36 -1.82	36.01 2.03 -1.70
TEALLAVE_115KV_TB7 355573	39.53 -0.40 0.00	30.79 -0.47 0.00	31.15 -0.51 0.00	29.66 -0.42 0.00	29.42 -0.42 0.00	29.91 -0.42 0.00	28.08 -0.46 0.00	29.45 -0.51 0.00	30.66 -0.53 0.00	33.66 -0.65 0.00	32.64 -0.60 0.00	33.95 -0.62 0.00	34.33 -0.66 0.00	35.04 -0.68 0.00	34.04 -0.80 0.00	36.28 -0.82 0.00	38.10 -0.86 -0.07	35.66 -0.82 -0.66	44.21 -0.99 -0.08	47.33 -1.01 -0.01	43.90 -0.94 -0.17	39.10 -0.80 -0.02	33.81 -0.58 -0.14	31.95 -0.45 -0.13
TELGRAPH_34_KV_EAST 80808	38.93 -1.00 0.00	29.73 -1.53 0.00	29.91 -1.74 0.00	28.58 -1.50 0.00	28.44 -1.40 0.00	28.82 -1.52 0.00	26.82 -1.71 0.00	28.13 -1.83 0.00	28.98 -2.21 0.00	31.43 -2.88 0.00	30.65 -2.59 0.00	31.95 -2.63 0.00	32.16 -2.83 0.00	32.86 -2.86 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.54 -3.46 -0.11	33.44 -3.47 -1.09	40.82 -4.42 -0.12	43.90 -4.45 -0.02	40.84 -4.11 -0.28	36.61 -3.31 -0.04	31.75 -2.74 -0.23	30.45 -2.03 -0.22
TEMPLE___115KV_TB 2 55572	39.53 -0.40 0.00	30.82 -0.44 0.00	31.18 -0.47 0.00	29.66 -0.42 0.00	29.45 -0.39 0.00	29.94 -0.39 0.00	28.08 -0.46 0.00	29.48 -0.48 0.00	30.66 -0.53 0.00	33.70 -0.62 0.00	32.67 -0.57 0.00	33.95 -0.62 0.00	34.33 -0.66 0.00	35.08 -0.64 0.00	34.07 -0.77 0.00	36.32 -0.78 0.00	38.10 -0.86 -0.07	35.67 -0.82 -0.67	44.21 -0.99 -0.08	47.33 -1.01 -0.01	43.95 -0.89 -0.17	39.10 -0.80 -0.02	33.81 -0.58 -0.14	31.98 -0.42 -0.13
TIANA___69_KV_BK 1 55817	43.45 3.51 0.00	34.14 2.88 0.00	34.41 2.75 0.00	32.34 2.26 0.00	32.26 2.42 0.00	32.58 2.24 0.00	31.16 2.63 0.00	32.69 2.73 0.00	34.37 3.18 0.00	37.88 3.57 0.00	36.80 3.29 -0.27	38.32 3.46 -0.28	38.89 3.64 -0.26	39.81 3.75 -0.33	39.66 3.83 -0.99	41.95 3.93 -0.92	44.86 4.08 -1.88	49.26 3.98 -9.46	53.37 5.10 -3.15	56.30 5.65 -2.32	57.68 5.14 -7.88	46.61 4.71 -2.03	40.64 4.28 -2.10	37.88 3.84 -1.77



TILDEN___115KV_TB1 80814	39.65 -0.28 0.00	30.89 -0.38 0.00	31.24 -0.41 0.00	29.75 -0.33 0.00	29.51 -0.33 0.00	30.00 -0.33 0.00	28.16 -0.37 0.00	29.57 -0.39 0.00	30.76 -0.44 0.00	33.80 -0.51 0.00	32.74 -0.50 0.00	34.06 -0.52 0.00	34.40 -0.59 0.00	35.15 -0.57 0.00	34.14 -0.70 0.00	36.43 -0.67 0.00	38.23 -0.74 -0.08	35.90 -0.72 -0.80	44.41 -0.81 -0.10	47.52 -0.82 -0.01	44.11 -0.76 -0.21	39.27 -0.64 -0.03	33.94 -0.48 -0.17	32.07 -0.35 -0.16
TRIGEN___CC 323695	42.69 2.76 0.00	33.57 2.31 0.00	33.93 2.28 0.00	31.98 1.90 0.00	31.81 1.97 0.00	32.18 1.85 0.00	30.73 2.20 0.00	32.24 2.28 0.00	33.81 2.62 0.00	37.27 2.95 0.00	37.41 2.79 -1.38	38.95 2.94 -1.43	39.41 3.08 -1.34	40.52 3.11 -1.69	43.03 3.21 -4.99	45.04 3.30 -4.64	48.21 3.42 -5.90	50.90 3.19 -11.89	59.42 3.79 -10.51	62.82 4.11 -10.38	64.92 3.66 -16.59	51.96 3.35 -8.73	40.35 3.12 -2.98	36.93 2.87 -1.78
TRINITY___115KV___4 BK 55933	40.73 0.80 0.00	32.07 0.81 0.00	32.51 0.85 0.00	30.84 0.75 0.00	30.59 0.75 0.00	31.09 0.76 0.00	29.36 0.83 0.00	30.80 0.84 0.00	32.10 0.90 0.00	35.31 1.00 0.00	34.20 0.96 0.00	35.61 1.04 0.00	36.08 1.08 0.00	36.83 1.11 0.00	36.06 1.22 0.00	38.40 1.30 0.00	41.21 1.28 -1.03	47.31 1.11 -10.38	46.72 1.44 -0.15	49.29 1.59 0.64	48.78 1.47 -2.64	41.17 1.32 0.03	37.56 1.10 -2.21	35.33 1.00 -2.06
UNION___PROCESSING_DRP 323587	39.37 -0.56 0.00	30.32 -0.94 0.00	30.61 -1.04 0.00	29.21 -0.87 0.00	29.03 -0.81 0.00	29.45 -0.88 0.00	27.48 -1.06 0.00	28.82 -1.14 0.00	29.88 -1.31 0.00	32.60 -1.72 0.00	31.71 -1.53 0.00	33.02 -1.56 0.00	33.35 -1.64 0.00	34.04 -1.68 0.00	32.96 -1.88 0.00	35.17 -1.93 0.00	36.92 -2.06 -0.09	34.74 -2.01 -0.92	42.76 -2.48 -0.12	45.79 -2.56 -0.02	42.58 -2.32 -0.24	38.00 -1.91 -0.03	32.88 -1.58 -0.20	31.39 -1.06 -0.18
UPPER HUDSON___HYD 24058	42.05 2.11 0.00	32.89 1.62 0.00	33.36 1.71 0.00	31.71 1.62 0.00	31.39 1.55 0.00	31.94 1.61 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.94 1.75 0.00	36.37 2.06 0.00	35.23 1.99 0.00	36.68 2.11 0.00	37.09 2.10 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.48 2.38 0.00	42.48 2.49 -1.09	48.76 2.29 -10.65	51.28 2.98 -3.18	53.11 3.24 -1.54	50.65 3.13 -2.86	43.56 2.71 -0.97	38.68 2.16 -2.26	36.38 2.00 -2.11
UPPER RAQUET___HYD 24056	38.73 -1.20 0.00	30.39 -0.88 0.00	30.73 -0.92 0.00	29.27 -0.81 0.00	28.91 -0.93 0.00	29.42 -0.91 0.00	27.62 -0.91 0.00	29.00 -0.96 0.00	30.22 -0.97 0.00	33.35 -0.96 0.00	32.27 -0.97 0.00	33.43 -1.14 0.00	33.80 -1.19 0.00	34.47 -1.25 0.00	33.65 -1.18 0.00	35.76 -1.33 0.00	37.65 -1.25 0.00	34.86 -0.97 0.00	44.04 -1.08 0.00	46.78 -1.55 0.00	43.50 -1.16 0.00	38.68 -1.20 0.00	33.09 -1.16 0.00	30.98 -1.29 0.00
VALLEY44_115KV_TB2 355964	38.37 -1.56 0.00	29.45 -1.81 0.00	29.53 -2.12 0.00	28.22 -1.87 0.00	28.11 -1.73 0.00	28.45 -1.88 0.00	26.57 -1.97 0.00	28.13 -1.83 0.00	28.76 -2.43 0.00	31.26 -3.05 0.00	30.51 -2.73 0.00	31.81 -2.77 0.00	31.98 -3.01 0.00	32.72 -3.00 0.00	31.77 -3.07 0.00	33.91 -3.19 0.00	34.99 -4.04 -0.14	33.30 -3.90 -1.38	40.17 -5.10 -0.15	43.43 -4.93 -0.02	40.16 -4.87 -0.36	35.90 -4.03 -0.05	31.16 -3.39 -0.29	29.67 -2.87 -0.27
VALLEY___115KV_TB 1-4 80826	40.21 0.28 0.00	31.45 0.19 0.00	31.84 0.19 0.00	30.26 0.18 0.00	30.02 0.18 0.00	30.52 0.18 0.00	28.65 0.11 0.00	30.08 0.12 0.00	31.32 0.12 0.00	34.45 0.14 0.00	33.41 0.17 0.00	34.75 0.17 0.00	35.17 0.17 0.00	35.86 0.14 0.00	35.01 0.17 0.00	37.25 0.15 0.00	38.97 0.08 0.00	35.82 0.00 0.00	45.12 0.00 0.00	48.33 0.00 0.00	44.58 -0.09 0.00	39.76 -0.12 0.00	34.05 -0.21 0.00	32.08 -0.19 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	41.41 1.48 0.00	32.35 1.09 0.00	32.76 1.11 0.00	31.29 1.20 0.00	31.06 1.22 0.00	31.73 1.40 0.00	29.59 1.06 0.00	31.10 1.14 0.00	32.38 1.19 0.00	35.62 1.30 0.00	34.64 1.40 0.00	35.96 1.38 0.00	36.43 1.43 0.00	37.04 1.32 0.00	36.34 1.50 0.00	38.73 1.63 0.00	40.84 1.63 -0.32	40.43 1.43 -3.18	47.27 1.76 -0.39	50.32 1.93 -0.05	47.32 1.83 -0.83	41.62 1.64 -0.11	36.20 1.27 -0.67	34.13 1.23 -0.63
VISCHER___FERRY HYD 24020	41.57 1.64 0.00	32.60 1.34 0.00	33.04 1.39 0.00	31.32 1.23 0.00	31.03 1.19 0.00	31.61 1.27 0.00	29.88 1.34 0.00	31.31 1.35 0.00	32.66 1.47 0.00	35.93 1.61 0.00	34.80 1.56 0.00	36.23 1.66 0.00	36.67 1.68 0.00	37.44 1.71 0.00	36.65 1.81 0.00	39.06 1.96 0.00	42.04 2.06 -1.09	48.12 1.83 -10.47	52.07 2.39 -4.56	53.49 2.61 -2.55	49.96 2.41 -2.88	43.46 2.15 -1.43	38.23 1.75 -2.22	35.96 1.61 -2.08
V_A_10_SYNC_DSASP 323832	38.65 -1.28 0.00	29.76 -1.50 0.00	29.97 -1.68 0.00	28.52 -1.57 0.00	28.38 -1.46 0.00	28.85 -1.49 0.00	26.88 -1.66 0.00	28.22 -1.74 0.00	29.10 -2.09 0.00	31.60 -2.71 0.00	30.75 -2.49 0.00	32.08 -2.49 0.00	32.33 -2.66 0.00	33.08 -2.64 0.00	32.05 -2.79 0.00	34.21 -2.89 0.00	35.85 -3.15 -0.10	33.73 -3.12 -1.03	41.20 -4.06 -0.14	44.24 -4.11 -0.02	41.09 -3.84 -0.27	36.80 -3.11 -0.03	31.94 -2.53 -0.22	30.60 -1.87 -0.20
V_CMM_10_SYNC_DSASP 323787	39.57 -0.36 0.00	31.04 -0.22 0.00	31.40 -0.25 0.00	29.87 -0.21 0.00	29.54 -0.30 0.00	30.00 -0.33 0.00	28.22 -0.31 0.00	29.63 -0.33 0.00	30.91 -0.28 0.00	34.08 -0.24 0.00	32.97 -0.27 0.00	34.23 -0.35 0.00	34.64 -0.35 0.00	35.33 -0.39 0.00	34.53 -0.31 0.00	36.69 -0.41 0.00	38.54 -0.35 0.00	35.61 -0.21 0.00	44.85 -0.27 0.00	47.85 -0.48 0.00	44.26 -0.40 0.00	39.40 -0.48 0.00	33.77 -0.48 0.00	31.66 -0.61 0.00
V_CMP_10_SYNC_DSASP 323788	40.37 0.44 0.00	31.67 0.41 0.00	32.03 0.38 0.00	30.47 0.39 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.23 0.27 0.00	31.54 0.34 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.30 0.31 0.00	36.04 0.32 0.00	35.19 0.35 0.00	37.39 0.30 0.00	39.28 0.39 0.00	36.29 0.46 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00
V_D_10_SYNC_DSASP 323841	39.73 -0.20 0.00	31.17 -0.09 0.00	31.53 -0.13 0.00	30.02 -0.06 0.00	29.66 -0.18 0.00	30.15 -0.18 0.00	28.34 -0.20 0.00	29.75 -0.21 0.00	31.04 -0.16 0.00	34.21 -0.10 0.00	33.11 -0.13 0.00	34.37 -0.21 0.00	34.75 -0.24 0.00	35.47 -0.25 0.00	34.63 -0.21 0.00	36.80 -0.30 0.00	38.70 -0.19 0.00	35.75 -0.07 0.00	45.08 -0.05 0.00	47.90 -0.44 0.00	44.49 -0.18 0.00	39.60 -0.28 0.00	33.95 -0.31 0.00	31.82 -0.45 0.00
V_E_10_SYNC_DSASP 323830	42.37 2.44 0.00	32.98 1.72 0.00	33.24 1.58 0.00	31.77 1.68 0.00	31.63 1.79 0.00	32.37 2.03 0.00	30.07 1.54 0.00	31.58 1.62 0.00	32.75 1.56 0.00	35.79 1.47 0.00	34.80 1.56 0.00	36.03 1.45 0.00	36.39 1.40 0.00	36.94 1.22 0.00	36.23 1.40 0.00	38.69 1.59 0.00	40.88 1.75 -0.23	39.81 1.68 -2.30	47.84 2.43 -0.28	51.22 2.85 -0.04	47.85 2.59 -0.60	42.19 2.23 -0.08	36.39 1.64 -0.49	34.34 1.61 -0.46



V_F_30_NSYNC___DSASP 323816	41.93 2.00 0.00	32.85 1.59 0.00	33.30 1.64 0.00	31.62 1.53 0.00	31.33 1.49 0.00	31.85 1.52 0.00	30.07 1.54 0.00	31.52 1.56 0.00	32.84 1.65 0.00	36.23 1.92 0.00	35.07 1.83 0.00	36.54 1.97 0.00	36.95 1.96 0.00	37.72 2.00 0.00	36.89 2.06 0.00	39.32 2.23 0.00	42.32 2.33 -1.09	48.56 2.11 -10.62	51.23 2.75 -3.36	53.00 3.00 -1.67	50.39 2.86 -2.86	43.42 2.51 -1.03	38.53 2.02 -2.26	36.25 1.87 -2.11
V_F_30_SYNC_DSASP 323786	40.81 0.88 0.00	32.14 0.88 0.00	32.54 0.89 0.00	30.90 0.81 0.00	30.65 0.81 0.00	31.15 0.82 0.00	29.39 0.86 0.00	30.83 0.87 0.00	32.13 0.94 0.00	35.38 1.06 0.00	34.27 1.03 0.00	35.68 1.11 0.00	36.15 1.15 0.00	36.94 1.21 0.00	36.13 1.29 0.00	38.47 1.37 0.00	41.31 1.36 -1.06	47.45 1.18 -10.44	48.72 1.53 -2.06	50.76 1.69 -0.74	48.98 1.56 -2.75	41.88 1.40 -0.61	37.64 1.16 -2.22	35.41 1.06 -2.07
V_XM_10_SYNC_DSASP 323789	40.37 0.44 0.00	31.67 0.41 0.00	32.03 0.38 0.00	30.47 0.39 0.00	30.11 0.27 0.00	30.61 0.27 0.00	28.79 0.26 0.00	30.23 0.27 0.00	31.54 0.34 0.00	34.79 0.48 0.00	33.67 0.43 0.00	34.92 0.35 0.00	35.30 0.31 0.00	36.04 0.32 0.00	35.19 0.35 0.00	37.39 0.30 0.00	39.28 0.39 0.00	36.29 0.46 0.00	45.75 0.63 0.00	48.81 0.48 0.00	45.02 0.36 0.00	39.96 0.08 0.00	34.15 -0.10 0.00	31.92 -0.35 0.00
W.BABYLN_69_KV_BK1 56697	43.33 3.39 0.00	34.07 2.81 0.00	34.38 2.72 0.00	32.34 2.26 0.00	32.26 2.42 0.00	32.58 2.24 0.00	31.13 2.60 0.00	32.66 2.70 0.00	34.31 3.12 0.00	37.81 3.50 0.00	37.16 3.29 -0.63	38.69 3.46 -0.65	39.20 3.60 -0.61	40.17 3.68 -0.77	40.94 3.76 -2.34	43.13 3.86 -2.18	46.10 3.97 -3.24	49.90 3.80 -10.28	55.50 4.74 -5.64	58.55 5.17 -5.04	59.38 4.65 -10.07	48.44 4.27 -4.29	40.54 3.90 -2.39	37.59 3.55 -1.77
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	41.97 2.04 0.00	33.04 1.78 0.00	33.43 1.77 0.00	31.65 1.56 0.00	31.39 1.55 0.00	31.88 1.55 0.00	30.28 1.74 0.00	31.88 1.92 0.00	33.19 2.00 0.00	36.61 2.30 0.00	35.53 2.29 0.00	37.03 2.45 0.00	37.58 2.59 0.00	38.37 2.64 0.00	37.59 2.75 0.00	39.96 2.86 0.00	42.76 2.99 -0.87	47.28 2.83 -8.63	49.81 3.38 -1.30	52.38 3.72 -0.32	50.23 3.31 -2.26	43.20 2.95 -0.37	38.55 2.47 -1.83	36.11 2.13 -1.71
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	42.29 2.36 0.00	33.26 2.00 0.00	33.71 2.06 0.00	31.89 1.80 0.00	31.63 1.79 0.00	32.09 1.76 0.00	30.56 2.03 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.99 2.68 0.00	35.87 2.63 0.00	37.41 2.84 0.00	37.96 2.97 0.00	38.79 3.07 0.00	38.01 3.17 0.00	40.36 3.26 0.00	43.17 3.38 -0.89	47.88 3.22 -8.84	50.21 3.75 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.53 3.27 -0.38	38.91 2.77 -1.88	36.41 2.39 -1.75
W50THST__13_KV_LOAD 356117	42.45 2.52 0.00	33.39 2.13 0.00	33.84 2.18 0.00	32.01 1.93 0.00	31.75 1.91 0.00	32.21 1.88 0.00	30.67 2.14 0.00	32.21 2.25 0.00	33.62 2.43 0.00	37.13 2.81 0.00	36.00 2.76 0.00	37.55 2.97 0.00	38.14 3.15 0.00	38.94 3.21 0.00	38.18 3.34 0.00	40.55 3.45 0.00	43.36 3.58 -0.89	48.06 3.40 -8.84	50.39 3.93 -1.34	52.92 4.25 -0.34	50.77 3.80 -2.31	43.69 3.43 -0.38	39.04 2.91 -1.88	36.54 2.52 -1.75
WADING RIVER_IC_1 23522	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.28 3.09 0.00	37.78 3.46 0.00	36.77 3.26 -0.27	38.25 3.39 -0.28	38.79 3.53 -0.26	39.70 3.65 -0.33	39.55 3.73 -0.98	41.87 3.86 -0.92	44.74 3.97 -1.88	49.12 3.83 -9.46	53.23 4.96 -3.15	56.05 5.41 -2.31	57.45 4.91 -7.87	46.41 4.50 -2.02	40.50 4.14 -2.10	37.75 3.71 -1.77
WADING RIVER_IC_2 23547	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.28 3.09 0.00	37.78 3.46 0.00	36.77 3.26 -0.27	38.25 3.39 -0.28	38.79 3.53 -0.26	39.70 3.65 -0.33	39.55 3.73 -0.98	41.87 3.86 -0.92	44.74 3.97 -1.88	49.12 3.83 -9.46	53.23 4.96 -3.15	56.05 5.41 -2.31	57.45 4.91 -7.87	46.41 4.50 -2.02	40.50 4.14 -2.10	37.75 3.71 -1.77
WADING RIVER_IC_3 23601	43.48 3.55 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.31 2.23 0.00	32.20 2.36 0.00	32.52 2.19 0.00	31.10 2.57 0.00	32.63 2.67 0.00	34.28 3.09 0.00	37.78 3.46 0.00	36.77 3.26 -0.27	38.25 3.39 -0.28	38.79 3.53 -0.26	39.70 3.65 -0.33	39.55 3.73 -0.98	41.87 3.86 -0.92	44.74 3.97 -1.88	49.12 3.83 -9.46	53.23 4.96 -3.15	56.05 5.41 -2.31	57.45 4.91 -7.87	46.41 4.50 -2.02	40.50 4.14 -2.10	37.75 3.71 -1.77
WALDENNY_12_KV_BK2 80841	38.89 -1.04 0.00	29.67 -1.59 0.00	29.82 -1.84 0.00	28.46 -1.62 0.00	28.35 -1.49 0.00	28.70 -1.64 0.00	26.71 -1.83 0.00	28.10 -1.86 0.00	28.85 -2.34 0.00	31.33 -2.99 0.00	30.58 -2.66 0.00	31.91 -2.66 0.00	32.09 -2.90 0.00	32.86 -2.86 0.00	31.84 -3.00 0.00	33.98 -3.12 0.00	35.40 -3.62 -0.12	33.40 -3.65 -1.23	40.42 -4.83 -0.13	43.57 -4.78 -0.02	40.48 -4.51 -0.32	36.29 -3.63 -0.04	31.54 -2.98 -0.26	30.16 -2.36 -0.24
WALDEN___HYDRO 24148	41.89 1.96 0.00	32.95 1.69 0.00	33.36 1.71 0.00	31.56 1.47 0.00	31.33 1.49 0.00	31.79 1.46 0.00	30.16 1.63 0.00	31.76 1.80 0.00	33.06 1.87 0.00	36.44 2.13 0.00	35.33 2.09 0.00	36.82 2.25 0.00	37.33 2.34 0.00	38.12 2.39 0.00	37.31 2.47 0.00	39.70 2.60 0.00	42.52 2.76 -0.87	47.07 2.61 -8.63	49.30 3.11 -1.06	51.91 3.43 -0.15	49.99 3.08 -2.24	42.92 2.75 -0.29	38.38 2.30 -1.83	35.98 2.00 -1.71
WARRENSBURG____ 23737	42.05 2.12 0.00	32.89 1.63 0.00	33.36 1.71 0.00	31.68 1.59 0.00	31.39 1.55 0.00	31.94 1.61 0.00	30.13 1.60 0.00	31.58 1.62 0.00	32.94 1.75 0.00	36.37 2.06 0.00	35.23 1.99 0.00	36.68 2.11 0.00	37.09 2.10 0.00	37.87 2.14 0.00	37.00 2.16 0.00	39.47 2.37 0.00	42.47 2.49 -1.09	48.76 2.29 -10.65	51.28 2.98 -3.18	53.11 3.24 -1.54	50.65 3.13 -2.86	43.56 2.71 -0.97	38.67 2.16 -2.26	36.38 2.00 -2.11
WATERSIDE___6 8 9 23538	40.41 2.52 2.04	31.26 2.16 2.16	33.83 2.18 0.00	31.98 1.90 0.00	31.75 1.91 0.00	32.12 1.79 0.00	30.62 2.08 0.00	32.09 2.13 0.00	33.50 2.31 0.00	36.36 2.68 0.63	34.03 2.66 1.87	35.68 2.87 1.77	36.28 3.04 1.76	37.25 3.11 1.58	36.25 3.17 1.75	39.13 3.26 1.24	42.55 3.38 -0.28	47.60 3.26 -8.52	50.21 3.75 -1.34	52.68 4.01 -0.34	50.55 3.57 -2.31	43.08 3.23 0.03	38.87 2.74 -1.88	36.44 2.42 -1.75
WATKINRD_115KV_LN8_ILLION 55919	40.13 0.20 0.00	31.42 0.16 0.00	31.81 0.16 0.00	30.23 0.15 0.00	29.99 0.15 0.00	30.52 0.18 0.00	28.65 0.11 0.00	30.08 0.12 0.00	31.32 0.12 0.00	34.45 0.14 0.00	33.41 0.17 0.00	34.75 0.17 0.00	35.17 0.17 0.00	35.86 0.14 0.00	35.01 0.17 0.00	37.25 0.15 0.00	39.01 0.12 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.43 0.10 0.00	44.71 0.04 0.00	39.88 0.00 0.00	34.22 -0.03 0.00	32.21 -0.06 0.00



WDELAWARE___HYD 323627	42.17 2.23 0.00	33.14 1.88 0.00	33.49 1.84 0.00	31.74 1.65 0.00	31.54 1.70 0.00	31.97 1.64 0.00	30.28 1.74 0.00	31.91 1.95 0.00	33.19 2.00 0.00	36.58 2.26 0.00	35.47 2.23 0.00	36.93 2.35 0.00	37.44 2.45 0.00	38.15 2.43 0.00	37.38 2.54 0.00	39.77 2.67 0.00	42.56 2.84 -0.83	46.82 2.72 -8.27	49.43 3.29 -1.02	52.14 3.67 -0.14	50.17 3.35 -2.15	43.11 2.95 -0.28	38.44 2.43 -1.76	36.04 2.13 -1.64
WEST BABYLON___IC 23714	43.33 3.39 0.00	34.07 2.81 0.00	34.38 2.72 0.00	32.34 2.26 0.00	32.26 2.42 0.00	32.58 2.24 0.00	31.13 2.60 0.00	32.66 2.70 0.00	34.31 3.12 0.00	37.81 3.50 0.00	37.16 3.29 -0.63	38.69 3.46 -0.65	39.20 3.60 -0.61	40.17 3.68 -0.77	40.94 3.76 -2.34	43.13 3.86 -2.18	46.10 3.97 -3.24	49.90 3.80 -10.28	55.50 4.74 -5.64	58.55 5.17 -5.04	59.38 4.65 -10.07	48.44 4.27 -4.29	40.54 3.90 -2.39	37.59 3.55 -1.77
WEST CANADA___HYD 24049	40.01 0.08 0.00	31.32 0.06 0.00	31.72 0.06 0.00	30.14 0.06 0.00	29.93 0.09 0.00	30.43 0.09 0.00	28.59 0.06 0.00	30.02 0.06 0.00	31.25 0.06 0.00	34.38 0.07 0.00	33.31 0.07 0.00	34.64 0.07 0.00	35.06 0.07 0.00	35.79 0.07 0.00	34.91 0.07 0.00	37.21 0.11 0.00	38.97 0.08 0.00	35.89 0.07 0.00	45.21 0.09 0.00	48.48 0.15 0.00	44.76 0.09 0.00	40.00 0.12 0.00	34.32 0.07 0.00	32.37 0.10 0.00
WESTERN_NY_WIND 24143	39.53 -0.40 0.00	30.17 -1.09 0.00	30.36 -1.30 0.00	29.00 -1.08 0.00	28.89 -0.95 0.00	29.27 -1.06 0.00	27.22 -1.31 0.00	28.49 -1.47 0.00	29.45 -1.75 0.00	31.88 -2.44 0.00	31.08 -2.16 0.00	32.40 -2.18 0.00	32.58 -2.41 0.00	33.33 -2.39 0.00	32.23 -2.61 0.00	34.43 -2.67 0.00	36.04 -2.96 -0.11	33.99 -2.90 -1.07	41.68 -3.56 -0.12	44.82 -3.53 -0.02	41.73 -3.22 -0.28	37.32 -2.59 -0.04	32.32 -2.16 -0.23	30.97 -1.52 -0.21
WESTOVER___LESR 323668	39.93 0.00 0.00	31.10 -0.16 0.00	31.43 -0.22 0.00	29.96 -0.12 0.00	29.72 -0.12 0.00	30.21 -0.12 0.00	28.31 -0.23 0.00	29.78 -0.18 0.00	30.88 -0.31 0.00	33.83 -0.48 0.00	32.84 -0.40 0.00	34.16 -0.41 0.00	34.50 -0.49 0.00	35.26 -0.46 0.00	34.32 -0.52 0.00	36.58 -0.52 0.00	38.51 -0.62 -0.24	37.62 -0.61 -2.41	44.65 -0.77 -0.29	47.70 -0.68 -0.04	44.62 -0.67 -0.63	39.40 -0.56 -0.08	34.32 -0.45 -0.51	32.42 -0.32 -0.48
WETHRSFD_WT_PWR 323626	38.89 -1.04 0.00	29.89 -1.37 0.00	30.07 -1.58 0.00	28.64 -1.44 0.00	28.44 -1.40 0.00	28.88 -1.46 0.00	26.88 -1.66 0.00	28.28 -1.68 0.00	29.10 -2.09 0.00	31.64 -2.68 0.00	30.81 -2.43 0.00	32.08 -2.49 0.00	32.30 -2.69 0.00	33.04 -2.68 0.00	32.09 -2.75 0.00	34.28 -2.82 0.00	35.73 -3.31 -0.14	33.99 -3.22 -1.40	41.03 -4.24 -0.15	44.15 -4.21 -0.02	41.05 -3.98 -0.36	36.66 -3.27 -0.05	31.81 -2.74 -0.30	30.26 -2.29 -0.28
WHAVSTOR_138KV_BK127 55557	41.85 1.92 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.79 1.83 0.00	33.09 1.90 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.26 2.54 0.00	37.49 2.65 0.00	39.88 2.78 0.00	42.64 2.88 -0.87	47.18 2.72 -8.64	49.68 3.25 -1.30	52.23 3.58 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.45 2.36 -1.84	35.99 2.00 -1.71
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	41.85 1.92 0.00	32.95 1.69 0.00	33.33 1.68 0.00	31.56 1.47 0.00	31.30 1.46 0.00	31.79 1.46 0.00	30.19 1.66 0.00	31.79 1.83 0.00	33.09 1.90 0.00	36.51 2.20 0.00	35.43 2.19 0.00	36.92 2.35 0.00	37.47 2.48 0.00	38.26 2.54 0.00	37.49 2.65 0.00	39.88 2.78 0.00	42.64 2.88 -0.87	47.18 2.72 -8.64	49.68 3.25 -1.30	52.23 3.58 -0.32	50.05 3.13 -2.26	43.08 2.83 -0.37	38.45 2.36 -1.84	35.99 2.00 -1.71
WHITEHAL_115KV_TB1 80871	42.53 2.60 0.00	33.26 2.00 0.00	33.71 2.06 0.00	32.04 1.96 0.00	31.72 1.88 0.00	32.28 1.94 0.00	30.45 1.91 0.00	31.88 1.92 0.00	33.25 2.06 0.00	36.72 2.40 0.00	35.53 2.29 0.00	36.99 2.42 0.00	37.40 2.41 0.00	38.22 2.50 0.00	37.35 2.51 0.00	39.84 2.75 0.00	42.90 2.92 -1.09	49.14 2.69 -10.64	51.94 3.56 -3.25	53.88 3.96 -1.59	51.37 3.84 -2.86	44.19 3.31 -1.00	39.15 2.64 -2.26	36.80 2.42 -2.11
WHITEPLN_13_KV_LOAD 356215	42.33 2.40 0.00	33.32 2.06 0.00	33.68 2.03 0.00	31.86 1.77 0.00	31.60 1.76 0.00	32.12 1.79 0.00	30.48 1.94 0.00	32.06 2.10 0.00	33.44 2.25 0.00	36.92 2.61 0.00	35.83 2.59 0.00	37.37 2.80 0.00	37.93 2.94 0.00	38.76 3.04 0.00	37.97 3.14 0.00	40.36 3.26 0.00	43.13 3.34 -0.89	47.86 3.22 -8.81	50.34 3.88 -1.34	52.87 4.20 -0.34	50.77 3.80 -2.30	43.65 3.39 -0.38	38.90 2.77 -1.87	36.41 2.39 -1.75
WM_FLOYD_69_KV_BK2 356380	43.33 3.39 0.00	34.04 2.78 0.00	34.34 2.69 0.00	32.28 2.20 0.00	32.20 2.36 0.00	32.52 2.18 0.00	31.07 2.54 0.00	32.63 2.67 0.00	34.25 3.06 0.00	37.75 3.43 0.00	36.71 3.19 -0.28	38.22 3.35 -0.29	38.76 3.50 -0.27	39.67 3.61 -0.34	39.53 3.69 -1.00	41.82 3.78 -0.93	44.68 3.89 -1.90	49.09 3.80 -9.47	53.13 4.83 -3.18	56.00 5.32 -2.35	57.40 4.82 -7.91	46.36 4.43 -2.06	40.44 4.08 -2.11	37.69 3.65 -1.77
WOODARD___115KV_TB2 355635	39.49 -0.44 0.00	30.76 -0.50 0.00	31.12 -0.54 0.00	29.63 -0.45 0.00	29.39 -0.45 0.00	29.88 -0.46 0.00	28.05 -0.49 0.00	29.45 -0.51 0.00	30.63 -0.56 0.00	33.66 -0.65 0.00	32.64 -0.60 0.00	33.92 -0.66 0.00	34.29 -0.70 0.00	35.04 -0.68 0.00	34.04 -0.80 0.00	36.28 -0.82 0.00	38.06 -0.89 -0.07	35.67 -0.82 -0.68	44.17 -1.04 -0.08	47.28 -1.06 -0.01	43.90 -0.94 -0.18	39.06 -0.84 -0.02	33.78 -0.62 -0.14	31.92 -0.48 -0.13
WOODMERE_69_KV_BK1 55827	43.13 3.19 0.00	33.92 2.66 0.00	34.25 2.60 0.00	32.25 2.17 0.00	32.11 2.27 0.00	32.49 2.15 0.00	30.99 2.45 0.00	32.51 2.55 0.00	34.12 2.93 0.00	37.64 3.33 0.00	42.83 3.12 -6.46	44.58 3.28 -6.72	44.64 3.39 -6.26	47.13 3.47 -7.95	63.97 3.52 -25.61	64.58 3.64 -23.84	69.24 3.77 -26.58	63.71 3.51 -24.38	97.76 4.20 -48.44	104.83 4.54 -51.96	90.44 4.06 -41.71	86.89 3.71 -43.30	44.73 3.46 -7.02	37.28 3.19 -1.82
YORK___WARBASSE 23770	56.98 2.76 -14.29	48.82 2.38 -15.19	34.02 2.34 -0.02	32.18 2.08 -0.02	31.94 2.09 -0.01	32.34 2.00 -0.01	30.79 2.25 0.00	32.24 2.28 0.00	33.65 2.43 -0.02	41.52 2.78 -4.42	49.05 2.73 -13.08	49.91 2.97 -12.36	50.45 3.15 -12.31	49.97 3.21 -11.03	50.44 3.31 -12.29	49.14 3.38 -8.67	47.61 3.50 -5.22	50.39 3.40 -11.16	50.39 3.93 -1.34	52.92 4.25 -0.34	50.78 3.80 -2.31	46.46 3.35 -3.23	39.00 2.84 -1.90	36.60 2.55 -1.78