

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										11/24/2024		
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00				
59TH STREET_GT_1	24138	34.39	31.93	31.17	30.37	30.54	29.99	32.37	33.43	32.47	30.43	29.92	30.78	31.58	31.79	33.38	37.13	42.18	50.49	44.83	39.60	37.44	35.12	33.24	31.80				
		1.88	1.76	1.60	1.35	1.36	1.45	1.91	2.07	2.08	2.01	2.32	2.42	2.42	2.54	2.48	2.72	3.04	3.65	3.48	3.11	2.80	2.72	2.53	2.11				
		-5.68	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	0.00				
74TH STREET_GT_1	24260	34.50	32.03	31.27	30.45	30.63	30.06	32.48	33.51	32.55	30.54	30.03	30.92	31.70	31.85	33.50	37.25	42.32	50.66	44.99	39.71	37.68	35.25	33.36	31.98				
		1.99	1.86	1.70	1.43	1.44	1.51	2.02	2.16	2.16	2.11	2.43	2.56	2.53	2.60	2.60	2.84	3.18	3.82	3.64	3.21	3.04	2.85	2.66	2.29				
		-5.68	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	0.00				
74TH STREET_GT_2	24261	34.50	32.03	31.27	30.45	30.63	30.06	32.48	33.51	32.55	30.54	30.03	30.92	31.70	31.85	33.50	37.25	42.32	50.66	44.99	39.71	37.68	35.25	33.36	31.98				
		1.99	1.86	1.70	1.43	1.44	1.51	2.02	2.16	2.16	2.11	2.43	2.56	2.53	2.60	2.60	2.84	3.18	3.82	3.64	3.21	3.04	2.85	2.66	2.29				
		-5.68	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	0.00				
ADK HUDSON___FALLS	24011	34.68	32.04	31.38	31.25	31.44	30.69	32.31	33.22	32.36	30.03	28.87	29.51	30.46	30.46	32.41	36.53	41.63	49.84	43.59	38.36	36.48	33.99	32.93	31.54				
		1.26	1.23	1.07	0.91	0.94	1.00	1.29	1.27	1.32	1.19	1.27	1.13	1.09	1.16	1.30	1.41	1.82	2.29	2.10	1.81	1.83	1.59	2.20	1.84				
		-6.58	-4.61	-5.36	-9.58	-9.58	-8.37	-4.10	-4.30	-4.72	-3.08	0.00	-0.21	-1.52	-0.39	-1.57	-5.19	-4.88	-5.13	-1.01	-0.44	-0.07	0.00	-0.21	0.00				
ADK RESOURCE___RCVRY	23798	34.76	32.12	31.46	31.32	31.51	30.76	32.42	33.28	32.47	30.11	28.95	29.54	30.51	30.54	32.47	36.62	41.77	50.06	43.79	38.51	36.58	34.11	33.09	31.65				
		1.34	1.31	1.15	0.98	1.00	1.07	1.40	1.33	1.42	1.26	1.35	1.16	1.14	1.24	1.36	1.50	1.96	2.50	2.31	1.95	1.94	1.72	2.35	1.96				
		-6.59	-4.61	-5.36	-9.59	-9.59	-8.38	-4.10	-4.31	-4.72	-3.08	0.00	-0.21	-1.52	-0.39	-1.57	-5.19	-4.88	-5.13	-1.01	-0.44	-0.07	0.00	-0.21	0.00				
ADK S GLENS___FALLS	24028	34.68	32.04	31.38	31.25	31.44	30.69	32.31	33.22	32.36	30.03	28.87	29.51	30.46	30.46	32.41	36.53	41.63	49.84	43.59	38.36	36.48	33.99	32.93	31.54				
		1.26	1.23	1.07	0.91	0.94	1.00	1.29	1.27	1.32	1.19	1.27	1.13	1.09	1.16	1.30	1.41	1.82	2.29	2.10	1.81	1.83	1.59	2.20	1.84				
		-6.58	-4.61	-5.36	-9.58	-9.58	-8.37	-4.10	-4.30	-4.72	-3.08	0.00	-0.21	-1.52	-0.39	-1.57	-5.19	-4.88	-5.13	-1.01	-0.44	-0.07	0.00	-0.21	0.00				
ADK_NYS___DAM	23527	34.80	32.18	31.59	31.23	31.40	30.73	32.50	33.52	32.47	30.31	29.23	30.04	30.97	31.08	32.90	36.90	41.92	50.09	44.09	38.93	36.83	34.57	32.62	31.30				
		1.56	1.49	1.42	1.14	1.15	1.26	1.59	1.69	1.55	1.55	1.63	1.66	1.64	1.79	1.83	1.92	2.24	2.67	2.63	2.38	2.18	2.17	1.89	1.60				
		-6.41	-4.49	-5.22	-9.33	-9.33	-8.15	-3.99	-4.19	-4.59	-3.00	0.00	-0.21	-1.48	-0.38	-1.53	-5.05	-4.75	-5.00	-0.98	-0.43	-0.06	0.00	-0.21	0.00				
AIR_PRODUCTS___DRP	24190	33.60	31.00	30.47	30.34	30.51	29.78	31.29	32.17	31.32	29.18	28.12	28.92	29.81	29.81	31.57	35.50	40.28	48.15	42.15	37.16	35.27	32.95	31.37	29.99				
		0.35	0.31	0.30	0.25	0.25	0.30	0.38	0.33	0.39	0.41	0.52	0.54	0.47	0.52	0.50	0.51	0.59	0.72	0.69	0.61	0.62	0.55	0.64	0.30				
		-6.42	-4.49	-5.22	-9.34	-9.34	-8.16	-3.99	-4.20	-4.60	-3.00	0.00	-0.21	-1.48	-0.38	-1.53	-5.06	-4.76	-5.00	-0.98	-0.43	-0.06	0.00	-0.21	0.00				
AKWESSNE_115KV_BK	355683	3.56	2.18	1.80	1.61	1.58	1.56	3.56	10.46	1.78	1.72	1.83	2.63	2.63	2.68	2.64	12.49	31.74	38.61	37.38	33.85	32.47	30.13	29.00	28.00				
		-2.39	-2.33	-2.32	-1.91	-1.97	-2.05	-2.56	-2.65	-2.55	-2.50	-2.65	-2.59	-2.53	-2.63	-2.75	-2.90	-3.28	-3.90	-3.12	-2.28	-2.11	-2.27	-1.53	-1.69				
		20.88	21.69	20.83	17.23	17.37	17.71	20.81	14.53	21.99	21.56	23.12	22.95	22.69	23.60	24.16	14.54	-0.09	-0.09	-0.02	-0.01	0.00	0.00	0.00	0.00				
ALBANY_1_SOLAR	323833	33.97	31.41	30.83	30.57	30.76	30.03	31.70	32.53	31.60	29.37	28.32	29.11	29.98	30.07	31.88	35.85	40.81	48.88	42.86	37.81	35.85	33.56	31.82	30.53				
		0.80	0.79	0.72	0.60	0.63	0.66	0.84	0.75	0.74	0.64	0.72	0.73	0.67	0.78	0.83	0.93	1.19	1.52	1.42	1.26	1.21	1.16	1.10	0.83				
		-6.33	-4.43	-5.15	-9.22	-9.22	-8.05	-3.94	-4.14	-4.53	-2.96	0.00	-0.21	-1.46	-0.38	-1.51	-4.99	-4.69	-4.93	-0.97	-0.42	-0.06	0.00	-0.21	0.00				
ALBANY_2_SOLAR	323834	33.97	31.41	30.83	30.57	30.76	30.03	31.67	32.50	31.60	29.37	28.32	29.08	29.98	30.07	31.88	35.85	40.77	48.84	42.82	37.81	35.85	33.56	31.82	30.53				
		0.80	0.79	0.72	0.60	0.63	0.66	0.81	0.72	0.74	0.64	0.72	0.70	0.67	0.78	0.83	0.93	1.15	1.48	1.38	1.26	1.21	1.16	1.10	0.83				
		-6.33	-4.43	-5.15	-9.22	-9.22	-8.05	-3.94	-4.14	-4.53	-2.96	0.00	-0.21	-1.46	-0.38	-1.51	-4.99	-4.69	-4.93	-0.97	-0.42	-0.06	0.00	-0.21	0.00				
ALBANY___1	23571	33.60	31.00	30.47	30.34	30.51	29.78	31.29	32.17	31.32	29.18	28.12	28.92	29.81	29.81	31.57	35.50	40.28	48.15	42.15	37.16	35.27	32.95	31.37	29.99				
		0.35	0.31	0.30	0.25	0.25	0.30	0.38	0.33	0.39	0.41	0.52	0.54	0.47	0.52	0.50	0.51	0.59	0.72	0.69	0.61	0.62	0.55	0.64	0.30				
		-6.42	-4.49	-5.22	-9.34	-9.34	-8.16	-3.99	-4.20	-4.60	-3.00	0.00	-0.21	-1.48	-0.38	-1.53	-5.06	-4.76	-5.00	-0.98	-0.43	-0.06	0.00	-0.21	0.00				



ALBANY___2 23572	33.60 0.35 -6.42	31.00 0.31 -4.49	30.47 0.30 -5.22	30.34 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.39 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.54 -0.21	29.81 0.47 -1.48	29.81 0.52 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.27 0.62 -0.06	32.95 0.55 0.00	31.37 0.64 -0.21	29.99 0.30 0.00
ALBANY___3 23573	33.60 0.35 -6.42	31.00 0.31 -4.49	30.47 0.30 -5.22	30.34 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.39 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.54 -0.21	29.81 0.47 -1.48	29.81 0.52 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.27 0.62 -0.06	32.95 0.55 0.00	31.37 0.64 -0.21	29.99 0.30 0.00
ALBANY___4 23574	33.60 0.35 -6.42	31.00 0.31 -4.49	30.47 0.30 -5.22	30.34 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.39 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.54 -0.21	29.81 0.47 -1.48	29.81 0.52 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.27 0.62 -0.06	32.95 0.55 0.00	31.37 0.64 -0.21	29.99 0.30 0.00
ALBANY___LFGE 323615	33.91 0.62 -6.47	31.30 0.58 -4.52	30.74 0.52 -5.26	30.60 0.44 -9.41	30.77 0.44 -9.41	30.03 0.49 -8.22	31.57 0.62 -4.02	32.43 0.55 -4.23	31.59 0.63 -4.63	29.41 0.62 -3.02	28.35 0.75 0.00	29.14 0.76 -0.21	30.07 0.72 -1.50	30.07 0.78 -0.39	31.88 0.80 -1.54	35.84 0.81 -5.10	40.70 0.98 -4.79	48.65 1.19 -5.04	42.60 1.13 -0.99	37.53 0.98 -0.43	35.54 0.90 -0.06	33.30 0.91 0.00	31.65 0.91 -0.21	30.29 0.59 0.00
ALCOA_PA_115KV_PL-6C 55860	4.36 -2.25 20.21	3.00 -2.20 21.00	2.56 -2.22 20.17	2.27 -1.81 16.68	2.24 -1.86 16.81	2.24 -1.94 17.14	4.38 -2.40 20.15	11.09 -2.49 14.07	2.61 -2.42 21.30	2.50 -2.40 20.88	2.69 -2.51 22.40	3.46 -2.48 22.23	3.48 -2.39 21.97	3.56 -2.49 22.86	3.51 -2.63 23.40	13.10 -2.75 14.08	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.68 -1.90 0.00	30.32 -2.07 0.00	29.15 -1.37 0.00	28.18 -1.51 0.00
ALCOA_RYNLDS___DRP 24188	4.36 -2.25 20.21	3.00 -2.20 21.00	2.56 -2.22 20.17	2.27 -1.81 16.68	2.24 -1.86 16.81	2.24 -1.94 17.14	4.38 -2.40 20.15	11.09 -2.49 14.07	2.61 -2.42 21.30	2.50 -2.40 20.88	2.69 -2.51 22.40	3.46 -2.48 22.23	3.48 -2.39 21.97	3.56 -2.49 22.86	3.51 -2.63 23.40	13.10 -2.75 14.08	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.68 -1.90 0.00	30.32 -2.07 0.00	29.15 -1.37 0.00	28.18 -1.51 0.00
ALCOA___DSASP 323711	4.36 -2.25 20.21	3.00 -2.20 21.00	2.56 -2.22 20.17	2.27 -1.81 16.68	2.24 -1.86 16.81	2.24 -1.94 17.14	4.38 -2.40 20.15	11.09 -2.49 14.07	2.61 -2.42 21.30	2.50 -2.40 20.88	2.69 -2.51 22.40	3.49 -2.45 22.23	3.48 -2.40 21.97	3.50 -2.54 22.86	3.51 -2.63 23.40	13.10 -2.75 14.08	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.65 -1.94 0.00	30.32 -2.07 0.00	29.18 -1.34 0.00	28.18 -1.51 0.00
ALLEGHENY___COGEN 23514	26.22 -0.75 -0.15	25.52 -0.79 -0.11	24.35 -0.72 -0.12	21.72 -0.50 -1.47	22.02 -0.36 -1.47	22.43 -0.17 -1.28	27.31 -0.24 -0.63	28.05 -0.22 -0.63	26.36 -0.66 -0.69	25.42 -0.80 -0.45	26.69 -0.91 0.00	27.16 -1.04 -0.03	26.99 -1.09 -0.22	27.95 -1.01 -0.06	28.95 -0.83 -0.23	30.31 -0.42 -0.79	35.54 -0.10 -0.71	43.43 0.26 -0.75	41.07 0.45 -0.15	36.37 0.18 -0.07	35.32 0.73 -0.01	32.85 0.45 0.00	30.52 -0.03 -0.03	29.99 0.30 0.00
ALTAMONT_115KV_TB 2 55880	33.91 0.67 -6.41	31.34 0.65 -4.49	30.79 0.62 -5.22	30.60 0.52 -9.33	30.77 0.52 -9.33	30.00 0.53 -8.15	31.59 0.67 -3.99	32.50 0.66 -4.19	31.61 0.68 -4.59	29.44 0.67 -3.00	28.37 0.77 0.00	29.14 0.76 -0.21	30.08 0.75 -1.48	30.07 0.78 -0.38	31.87 0.80 -1.53	35.85 0.87 -5.05	40.73 1.05 -4.75	48.69 1.27 -5.00	42.67 1.21 -0.98	37.63 1.08 -0.43	35.68 1.04 -0.06	33.37 0.97 0.00	31.65 0.92 -0.21	30.38 0.68 0.00
ALTONA_WT_PWR 323606	2.98 -2.87 20.98	1.53 -2.88 21.79	1.13 -2.89 20.93	1.03 -2.41 17.31	1.00 -2.47 17.45	0.94 -2.58 17.79	2.82 -3.20 20.90	9.73 -3.32 14.59	1.02 -3.21 22.10	0.97 -3.14 21.66	1.03 -3.34 23.23	1.79 -3.32 23.05	1.85 -3.20 22.79	1.85 -3.35 23.71	1.85 -3.43 24.27	11.79 -3.53 14.61	31.11 -3.91 -0.09	37.85 -4.67 -0.09	36.73 -3.76 -0.02	33.35 -2.78 -0.01	31.95 -2.63 0.00	29.74 -2.66 0.00	28.63 -1.89 0.00	27.73 -1.96 0.00
AMERICAN_REF_FUEL 24010	24.68 -2.49 -0.35	24.01 -2.44 -0.25	22.87 -2.37 -0.29	20.18 -1.85 -1.28	20.44 -1.76 -1.28	20.77 -1.66 -1.12	25.29 -2.18 -0.55	25.40 -2.71 -0.47	24.21 -2.63 -0.51	23.55 -2.55 -0.33	24.98 -2.62 0.00	25.61 -2.59 -0.03	25.34 -2.67 -0.17	26.21 -2.75 -0.05	27.06 -2.66 -0.17	28.20 -2.42 -0.69	32.46 -3.00 -0.53	39.16 -3.82 -0.55	36.87 -3.72 -0.11	32.52 -3.65 -0.05	31.79 -2.80 -0.01	29.71 -2.69 0.00	27.62 -2.93 -0.03	27.47 -2.23 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	24.50 -2.66 -0.32	23.76 -2.67 -0.23	22.70 -2.52 -0.27	20.18 -1.99 -1.42	20.52 -1.82 -1.42	20.92 -1.64 -1.24	25.43 -2.10 -0.61	25.94 -2.24 -0.54	24.70 -2.21 -0.59	23.94 -2.22 -0.38	25.89 -1.71 0.00	26.15 -2.06 -0.03	25.79 -2.25 -0.19	27.05 -1.91 -0.05	27.56 -2.19 -0.20	28.88 -1.83 -0.77	33.62 -1.92 -0.61	40.81 -2.25 -0.64	38.54 -2.06 -0.13	34.16 -2.02 -0.06	33.73 -0.86 -0.01	31.49 -0.91 0.00	28.75 -1.80 -0.03	28.92 -0.77 0.00
ARTHUR KILL_GT_1 23520	34.69 2.17 -5.69	32.22 2.04 -3.97	31.42 1.85 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.10 1.56 -7.22	32.48 2.02 -3.53	33.43 2.07 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.89 2.29 0.00	30.84 2.48 -0.19	31.70 2.53 -1.31	31.88 2.63 -0.34	33.41 2.51 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.79 3.95 -4.42	45.11 3.77 -0.87	39.89 3.39 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.55 2.84 -0.19	32.17 2.46 -0.01
ARTHUR_KILL_2 23512	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.49 1.47 -8.27	30.67 1.48 -8.27	30.06 1.51 -7.22	32.40 1.94 -3.53	33.37 2.02 -3.71	32.37 1.98 -4.07	30.36 1.93 -2.65	29.83 2.23 0.00	30.78 2.42 -0.19	31.61 2.45 -1.31	31.79 2.54 -0.34	33.35 2.45 -1.35	37.16 2.75 -4.48	42.25 3.11 -4.21	50.62 3.77 -4.42	44.99 3.64 -0.87	39.78 3.29 -0.38	37.51 2.87 -0.06	35.25 2.85 0.00	33.45 2.75 -0.19	32.08 2.38 -0.01
ARTHUR_KILL_3 23513	34.25 1.74 -5.68	31.80 1.62 -3.97	31.04 1.47 -4.62	30.27 1.24 -8.27	30.44 1.25 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.29 1.93 -3.71	32.34 1.95 -4.07	30.33 1.91 -2.65	29.81 2.21 0.00	30.64 2.28 -0.19	31.45 2.28 -1.31	31.64 2.40 -0.34	33.20 2.31 -1.35	36.95 2.54 -4.48	41.97 2.83 -4.21	50.24 3.40 -4.42	44.58 3.24 -0.87	39.39 2.89 -0.38	37.23 2.59 -0.06	34.93 2.53 0.00	33.09 2.38 -0.19	31.65 1.96 0.00



ARTHUR_KILL_COGEN 323718	34.69 2.17 -5.69	32.22 2.04 -3.97	31.42 1.85 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.10 1.56 -7.22	32.48 2.02 -3.53	33.43 2.07 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.89 2.29 0.00	30.84 2.48 -0.19	31.70 2.53 -1.31	31.88 2.63 -0.34	33.41 2.51 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.79 3.95 -4.42	45.11 3.77 -0.87	39.89 3.39 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.55 2.84 -0.19	32.17 2.46 -0.01
ASHOKAN____ 23654	32.89 0.05 -6.00	30.42 0.03 -4.20	29.81 -0.02 -4.88	29.45 -0.04 -8.74	29.65 0.00 -8.74	29.06 0.11 -7.63	30.79 0.14 -3.73	31.65 0.08 -3.92	30.81 0.19 -4.30	28.63 0.05 -2.80	28.40 0.80 0.00	29.10 0.73 -0.20	29.32 0.08 -1.39	30.19 0.92 -0.36	31.21 0.24 -1.43	35.08 0.42 -4.73	40.15 0.77 -4.45	48.28 1.19 -4.67	42.33 0.93 -0.92	38.33 1.81 -0.40	36.30 1.66 -0.06	33.95 1.56 0.00	32.18 1.46 -0.20	30.85 1.16 0.00
ASTORIA_EAST_ENERGY_CC1 323581	34.43 1.91 -5.69	31.98 1.81 -3.97	31.19 1.62 -4.62	30.35 1.33 -8.27	30.50 1.32 -8.27	29.86 1.32 -7.22	32.23 1.78 -3.53	33.25 1.91 -3.70	32.31 1.92 -4.06	30.30 1.88 -2.64	29.77 2.18 0.01	30.66 2.31 -0.18	31.49 2.34 -1.30	31.67 2.43 -0.33	33.13 2.24 -1.35	36.86 2.46 -4.47	41.79 2.65 -4.20	50.02 3.18 -4.42	44.41 3.07 -0.86	39.27 2.78 -0.37	37.05 2.42 -0.05	34.89 2.49 0.01	32.99 2.29 -0.18	31.61 1.90 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	34.45 1.93 -5.69	31.98 1.81 -3.97	31.19 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.23 1.78 -3.53	33.25 1.91 -3.70	32.31 1.92 -4.06	30.32 1.91 -2.64	29.77 2.18 0.01	30.66 2.31 -0.18	31.49 2.34 -1.30	31.69 2.46 -0.33	33.13 2.24 -1.35	36.86 2.46 -4.47	41.79 2.65 -4.20	50.02 3.18 -4.42	44.41 3.07 -0.86	39.27 2.78 -0.37	37.05 2.42 -0.05	34.89 2.49 0.01	32.99 2.29 -0.18	31.61 1.90 -0.01
ASTORIA_GT2_1 24094	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT2_2 24095	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT2_3 24096	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT2_4 24097	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT3_1 24098	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT3_2 24099	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT3_3 24100	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT3_4 24101	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT4_1 24102	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT4_2 24103	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT4_3 24104	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01



ASTORIA_GT4_4 24105	34.45 1.93 -5.69	31.98 1.81 -3.97	31.20 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.83 2.69 -4.21	50.03 3.18 -4.42	44.42 3.08 -0.87	39.28 2.78 -0.38	37.23 2.59 -0.06	34.89 2.49 0.00	33.09 2.38 -0.19	31.81 2.11 -0.01
ASTORIA_GT_1 23523	34.48 1.96 -5.69	32.03 1.86 -3.97	31.22 1.65 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.90 1.37 -7.22	32.28 1.83 -3.53	33.31 1.96 -3.70	32.36 1.98 -4.06	30.35 1.93 -2.64	29.83 2.23 0.01	30.72 2.37 -0.18	31.55 2.40 -1.30	31.75 2.51 -0.33	33.19 2.31 -1.35	36.92 2.51 -4.47	41.89 2.76 -4.20	50.10 3.27 -4.42	44.50 3.16 -0.86	39.34 2.85 -0.37	37.15 2.52 -0.05	34.95 2.56 0.01	33.08 2.38 -0.18	31.66 1.96 -0.01
ASTORIA_GT_10 24110	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.79 3.44 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
ASTORIA_GT_11 24225	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.79 3.44 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
ASTORIA_GT_12 24226	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.79 3.44 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
ASTORIA_GT_13 24227	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.79 3.44 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
ASTORIA_GT_5 24106	34.48 1.96 -5.69	32.03 1.86 -3.97	31.22 1.65 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.88 1.34 -7.22	32.29 1.83 -3.53	33.32 1.96 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.23 2.33 -1.35	36.95 2.54 -4.48	41.90 2.76 -4.21	50.11 3.27 -4.42	44.50 3.16 -0.87	39.35 2.85 -0.38	37.30 2.66 -0.06	34.96 2.56 0.00	33.15 2.44 -0.19	31.87 2.17 -0.01
ASTORIA_GT_7 24107	34.48 1.96 -5.69	32.03 1.86 -3.97	31.22 1.65 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.88 1.34 -7.22	32.29 1.83 -3.53	33.32 1.96 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.23 2.33 -1.35	36.95 2.54 -4.48	41.90 2.76 -4.21	50.11 3.27 -4.42	44.50 3.16 -0.87	39.35 2.85 -0.38	37.30 2.66 -0.06	34.96 2.56 0.00	33.15 2.44 -0.19	31.87 2.17 -0.01
ASTORIA_GT_8 24108	34.48 1.96 -5.69	32.03 1.86 -3.97	31.22 1.65 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.88 1.34 -7.22	32.29 1.83 -3.53	33.32 1.96 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.23 2.33 -1.35	36.95 2.54 -4.48	41.90 2.76 -4.21	50.11 3.27 -4.42	44.50 3.16 -0.87	39.35 2.85 -0.38	37.30 2.66 -0.06	34.96 2.56 0.00	33.15 2.44 -0.19	31.87 2.17 -0.01
ASTORIA___2 24149	34.45 1.93 -5.69	31.98 1.81 -3.97	31.19 1.62 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.86 1.32 -7.22	32.23 1.78 -3.53	33.25 1.91 -3.70	32.31 1.92 -4.06	30.32 1.91 -2.64	29.77 2.18 0.01	30.66 2.31 -0.18	31.49 2.34 -1.30	31.69 2.46 -0.33	33.16 2.27 -1.35	36.88 2.48 -4.47	41.82 2.69 -4.20	50.02 3.18 -4.42	44.41 3.07 -0.86	39.27 2.78 -0.37	37.09 2.46 -0.05	34.89 2.49 0.01	33.02 2.32 -0.18	31.63 1.93 -0.01
ASTORIA___3 23516	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.61 1.42 -8.27	30.01 1.47 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.61 2.45 -1.31	31.82 2.57 -0.34	33.35 2.45 -1.35	37.10 2.70 -4.48	42.14 3.00 -4.21	50.45 3.60 -4.42	44.78 3.44 -0.87	39.61 3.11 -0.38	37.41 2.77 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.90 2.20 -0.01
ASTORIA___4 23517	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.79 3.44 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
ASTORIA___5 23518	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.61 1.42 -8.27	30.01 1.47 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.61 2.45 -1.31	31.82 2.57 -0.34	33.35 2.45 -1.35	37.10 2.70 -4.48	42.14 3.00 -4.21	50.45 3.60 -4.42	44.78 3.44 -0.87	39.61 3.11 -0.38	37.41 2.77 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.90 2.20 -0.01
AST_ENERGY_2_CC3 323677	34.34 1.83 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.31 1.86 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.83 2.23 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.26 2.36 -1.35	36.95 2.54 -4.48	37.71 2.83 0.05	43.96 3.40 1.86	38.08 3.20 5.60	37.71 2.89 1.30	37.20 2.56 -0.06	34.96 2.56 0.00	33.18 2.47 -0.19	31.77 2.08 0.00
AST_ENERGY_2_CC4 323678	34.34 1.83 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.31 1.86 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.83 2.23 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.26 2.36 -1.35	36.95 2.54 -4.48	37.71 2.83 0.05	43.96 3.40 1.86	38.08 3.20 5.60	37.71 2.89 1.30	37.20 2.56 -0.06	34.96 2.56 0.00	33.18 2.47 -0.19	31.77 2.08 0.00



ATHENS_STG_1 23668	33.67 0.91 -5.93	31.24 0.89 -4.15	30.62 0.85 -4.82	30.08 0.71 -8.63	30.25 0.71 -8.63	29.58 0.73 -7.53	31.53 0.92 -3.69	32.48 0.97 -3.87	31.54 0.97 -4.24	29.52 0.98 -2.77	28.73 1.13 0.00	29.49 1.13 -0.19	30.33 1.12 -1.37	30.42 1.16 -0.35	32.11 1.15 -1.41	35.89 1.29 -4.67	40.79 1.47 -4.39	48.78 1.74 -4.61	43.04 1.66 -0.90	38.00 1.48 -0.40	35.99 1.35 -0.06	33.73 1.33 0.00	31.90 1.19 -0.19	30.64 0.95 0.00
ATHENS_STG_2 23670	33.67 0.91 -5.93	31.24 0.89 -4.15	30.62 0.85 -4.82	30.08 0.71 -8.63	30.25 0.71 -8.63	29.58 0.73 -7.53	31.53 0.92 -3.69	32.48 0.97 -3.87	31.54 0.97 -4.24	29.52 0.98 -2.77	28.73 1.13 0.00	29.49 1.13 -0.19	30.33 1.12 -1.37	30.42 1.16 -0.35	32.11 1.15 -1.41	35.89 1.29 -4.67	40.79 1.47 -4.39	48.78 1.74 -4.61	43.04 1.66 -0.90	38.00 1.48 -0.40	35.99 1.35 -0.06	33.73 1.33 0.00	31.90 1.19 -0.19	30.64 0.95 0.00
ATHENS_STG_3 23677	33.67 0.91 -5.93	31.24 0.89 -4.15	30.62 0.85 -4.82	30.08 0.71 -8.63	30.25 0.71 -8.63	29.58 0.73 -7.53	31.53 0.92 -3.69	32.48 0.97 -3.87	31.54 0.97 -4.24	29.52 0.98 -2.77	28.73 1.13 0.00	29.49 1.13 -0.19	30.33 1.12 -1.37	30.42 1.16 -0.35	32.11 1.15 -1.41	35.89 1.29 -4.67	40.79 1.47 -4.39	48.78 1.74 -4.61	43.04 1.66 -0.90	38.00 1.48 -0.40	35.99 1.35 -0.06	33.73 1.33 0.00	31.90 1.19 -0.19	30.64 0.95 0.00
AUBURN___LFGE 323710	27.72 -0.05 -0.94	26.78 -0.08 -0.66	25.67 -0.05 -0.76	21.85 -0.02 -1.12	22.03 0.00 -1.12	22.34 0.04 -0.98	27.48 0.08 -0.48	28.29 0.14 -0.50	26.96 0.08 -0.55	26.18 0.05 -0.36	27.63 0.03 0.00	28.23 0.03 -0.03	28.03 0.00 -0.18	29.01 0.06 -0.05	29.81 0.09 -0.18	30.66 0.12 -0.60	35.71 0.21 -0.57	43.36 0.34 -0.60	40.84 0.24 -0.12	36.31 0.14 -0.05	34.73 0.14 -0.01	32.53 0.13 0.00	30.48 -0.06 -0.03	29.78 0.09 0.00
BABYLON_RES_REC 323704	34.79 2.28 -5.68	32.11 1.94 -3.98	31.19 1.62 -4.62	30.41 1.39 -8.27	30.63 1.44 -8.27	30.16 1.62 -7.22	32.61 2.15 -3.53	33.49 2.13 -3.71	32.74 2.34 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.61 2.45 -1.31	32.09 2.83 -0.35	33.69 2.78 -1.37	40.77 3.05 -7.78	45.22 3.35 -6.93	59.57 3.95 -13.20	53.05 3.77 -8.81	46.59 3.43 -7.04	43.07 3.18 -5.31	40.58 3.08 -5.10	33.62 2.90 -0.20	32.23 2.52 -0.01
BABYLON__69_KV_BK2 356345	35.06 2.55 -5.68	32.35 2.17 -3.98	31.42 1.85 -4.62	30.60 1.58 -8.27	30.79 1.61 -8.27	30.35 1.81 -7.22	32.86 2.40 -3.53	33.73 2.38 -3.71	33.00 2.61 -4.07	30.82 2.40 -2.65	30.25 2.65 0.00	31.26 2.90 -0.19	31.95 2.78 -1.31	32.32 3.06 -0.35	34.05 3.13 -1.37	41.06 3.41 -7.72	45.59 3.77 -6.88	59.96 4.50 -13.04	53.44 4.29 -8.67	46.90 3.86 -6.92	43.53 3.73 -5.21	40.91 3.50 -5.01	33.95 3.24 -0.19	32.50 2.79 -0.01
BALL_HILL_WT_PWR 323825	24.93 -2.23 -0.33	24.21 -2.23 -0.24	23.08 -2.15 -0.27	20.42 -1.70 -1.37	20.72 -1.57 -1.37	21.07 -1.45 -1.20	25.63 -1.89 -0.59	26.05 -2.10 -0.51	24.78 -2.11 -0.56	24.05 -2.09 -0.37	25.97 -1.63 0.00	26.26 -1.94 -0.03	25.89 -2.14 -0.18	27.11 -1.85 -0.05	27.60 -2.13 -0.19	28.85 -1.83 -0.74	33.45 -2.06 -0.58	40.52 -2.50 -0.60	38.17 -2.43 -0.12	33.86 -2.31 -0.06	33.35 -1.24 -0.01	31.13 -1.26 0.00	28.48 -2.08 -0.03	28.65 -1.04 0.00
BARON_WINDS___WT_PWR 323822	25.25 -1.74 -0.17	24.60 -1.73 -0.13	23.50 -1.60 -0.14	21.37 -1.27 -1.89	21.61 -1.19 -1.89	21.86 -1.11 -1.65	26.39 -1.35 -0.81	27.11 -1.33 -0.79	25.80 -1.40 -0.87	24.95 -1.39 -0.57	26.61 -0.99 0.00	26.86 -1.35 -0.04	26.60 -1.53 -0.28	27.77 -1.21 -0.08	28.39 -1.45 -0.29	29.88 -1.08 -1.02	34.68 -1.15 -0.90	42.18 -1.19 -0.94	39.53 -1.13 -0.19	35.12 -1.08 -0.08	34.22 -0.38 -0.01	32.01 -0.39 0.00	29.43 -1.13 -0.04	29.28 -0.42 0.00
BARRETT_IC_1 23704	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_10 23701	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_11 23702	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_12 23703	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_2 23705	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_3 23706	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_4 23707	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01



BARRETT_IC_5 23708	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_6 23709	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_7 23710	34.52 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.94 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.47 2.31 -1.31	31.74 2.49 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.79 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.09 2.82 -6.15	41.98 2.80 -4.60	39.48 2.66 -4.42	33.25 2.53 -0.19	31.90 2.20 -0.01
BARRETT_IC_8 23711	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT_IC_9 23700	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT___1 23545	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BARRETT___2 23546	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.29 1.93 -3.71	32.50 2.11 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.42 2.25 -1.31	31.83 2.57 -0.35	33.33 2.42 -1.36	39.99 2.72 -7.33	44.30 2.80 -6.57	57.64 3.18 -12.03	51.23 3.00 -7.75	45.13 2.85 -6.15	41.84 2.66 -4.60	39.45 2.62 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
BATAVIA___115KV_TB1 55881	25.63 -1.56 -0.35	24.88 -1.57 -0.25	23.69 -1.55 -0.29	20.80 -1.14 -1.19	21.10 -1.00 -1.19	21.51 -0.85 -1.04	26.25 -1.18 -0.51	26.62 -1.49 -0.47	25.24 -1.61 -0.51	24.56 -1.55 -0.34	25.97 -1.63 0.00	26.62 -1.58 -0.03	26.37 -1.64 -0.17	27.31 -1.65 -0.05	28.12 -1.60 -0.17	29.29 -1.29 -0.64	34.03 -1.43 -0.53	41.16 -1.82 -0.56	38.85 -1.74 -0.11	34.33 -1.84 -0.05	32.83 -1.76 -0.01	31.13 -1.26 0.00	28.96 -1.59 -0.03	28.63 -1.07 0.00
BAYONEEC___CTG1 323682	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG10 323750	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG2 323683	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG3 323684	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG4 323685	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG5 323686	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG6 323687	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00



BAYONEEC___CTG7 323688	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG8 323689	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BAYONEEC___CTG9 323749	34.34 1.83 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.38 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.67 3.32 -0.87	39.46 2.96 -0.38	37.30 2.66 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.74 2.05 0.00
BEACON___LESR 323632	34.00 0.75 -6.42	31.40 0.71 -4.49	30.79 0.62 -5.22	30.61 0.52 -9.34	30.79 0.54 -9.34	30.07 0.60 -8.16	31.67 0.75 -3.99	32.56 0.72 -4.19	31.71 0.79 -4.60	29.54 0.77 -3.00	28.51 0.91 0.00	29.31 0.93 -0.21	30.20 0.86 -1.48	30.24 0.95 -0.38	32.02 0.95 -1.53	35.95 0.96 -5.06	40.88 1.19 -4.75	48.95 1.52 -5.00	42.87 1.42 -0.98	37.78 1.23 -0.43	35.78 1.14 -0.06	33.50 1.10 0.00	31.80 1.07 -0.21	30.44 0.74 0.00
BEAVER RIVER___HYD 24048	19.80 -1.05 5.98	18.89 -1.02 6.29	17.92 -1.02 6.01	15.12 -0.83 4.80	15.22 -0.86 4.84	15.44 -0.89 4.98	19.85 -1.02 6.05	22.45 -1.02 4.17	18.87 -1.08 6.38	18.25 -1.21 6.30	19.37 -1.35 6.88	20.00 -1.35 6.82	19.87 -1.28 6.69	20.63 -1.27 7.00	21.08 -1.33 7.13	24.56 -1.23 4.15	34.04 -1.08 -0.19	41.44 -1.19 -0.20	39.67 -0.85 -0.04	36.03 -0.11 -0.02	34.45 -0.14 0.00	31.98 -0.42 0.00	30.19 -0.34 -0.01	29.31 -0.39 0.00
BEEBEE_GT_13 23619	26.18 -1.02 -0.36	25.41 -1.05 -0.26	24.20 -1.05 -0.30	21.06 -0.73 -1.03	21.30 -0.65 -1.03	21.69 -0.53 -0.90	26.61 -0.75 -0.44	27.18 -0.94 -0.47	25.79 -1.05 -0.52	25.16 -0.95 -0.34	26.30 -1.30 0.00	27.07 -1.13 -0.02	26.99 -1.03 -0.17	27.91 -1.04 -0.04	28.71 -1.00 -0.17	29.65 -0.84 -0.56	34.53 -0.94 -0.54	41.71 -1.27 -0.56	39.29 -1.30 -0.11	34.79 -1.37 -0.05	33.07 -1.52 -0.01	31.20 -1.20 0.00	29.32 -1.22 -0.02	28.69 -1.01 0.00
BENSHRST_27_KV_BENSHRST_1 355998	34.75 2.23 -5.69	32.24 2.07 -3.97	31.44 1.87 -4.62	30.58 1.56 -8.27	30.75 1.57 -8.27	30.14 1.60 -7.22	32.56 2.10 -3.53	33.57 2.21 -3.71	32.61 2.21 -4.07	30.59 2.16 -2.65	30.08 2.48 0.00	31.03 2.68 -0.19	31.83 2.67 -1.31	31.96 2.72 -0.34	33.58 2.69 -1.35	37.40 2.99 -4.48	42.53 3.39 -4.21	50.96 4.11 -4.42	45.27 3.93 -0.87	40.00 3.50 -0.38	37.89 3.25 -0.06	35.48 3.08 0.00	33.58 2.87 -0.19	32.26 2.55 -0.01
BETHLEHEM___GRP 23843	33.60 0.35 -6.42	31.00 0.31 -4.49	30.47 0.30 -5.22	30.34 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.39 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.54 -0.21	29.81 0.47 -1.48	29.81 0.52 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.27 0.62 -0.06	32.95 0.55 0.00	31.37 0.64 -0.21	29.99 0.30 0.00
BETHLEHEM___GS1 323560	33.60 0.35 -6.42	31.01 0.32 -4.49	30.47 0.30 -5.22	30.35 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.40 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.53 -0.21	29.83 0.50 -1.48	29.84 0.55 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.16 0.52 -0.06	32.95 0.55 0.00	31.34 0.61 -0.21	29.99 0.30 0.00
BETHLEHEM___GS2 323561	33.60 0.35 -6.42	31.01 0.32 -4.49	30.47 0.30 -5.22	30.35 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.40 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.53 -0.21	29.83 0.50 -1.48	29.84 0.55 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.16 0.52 -0.06	32.95 0.55 0.00	31.34 0.61 -0.21	29.99 0.30 0.00
BETHLEHEM___GS3 323562	33.60 0.35 -6.42	31.01 0.32 -4.49	30.47 0.30 -5.22	30.35 0.25 -9.34	30.51 0.25 -9.34	29.78 0.30 -8.16	31.29 0.38 -3.99	32.17 0.33 -4.20	31.32 0.40 -4.60	29.18 0.41 -3.00	28.12 0.52 0.00	28.92 0.53 -0.21	29.83 0.50 -1.48	29.84 0.55 -0.38	31.57 0.50 -1.53	35.50 0.51 -5.06	40.28 0.59 -4.76	48.15 0.72 -5.00	42.15 0.69 -0.98	37.16 0.61 -0.43	35.16 0.52 -0.06	32.95 0.55 0.00	31.34 0.61 -0.21	29.99 0.30 0.00
BETHLEHEM___STEEL 23779	25.00 -2.17 -0.34	24.27 -2.17 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.08 -1.43 -1.19	25.62 -1.88 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.07 -2.06 -0.36	26.00 -1.60 0.00	26.34 -1.86 -0.03	25.86 -2.17 -0.18	26.74 -2.23 -0.06	27.57 -2.16 -0.19	28.79 -1.89 -0.74	33.34 -2.17 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.61 -2.56 -0.06	32.65 -1.94 -0.01	31.07 -1.33 0.00	28.54 -2.01 -0.03	28.63 -1.07 0.00
BETHLHEM_115KV_TB1 79974	33.67 0.43 -6.42	31.08 0.39 -4.49	30.54 0.37 -5.22	30.40 0.31 -9.34	30.56 0.31 -9.34	29.84 0.36 -8.16	31.35 0.43 -3.99	32.23 0.39 -4.19	31.40 0.47 -4.59	29.23 0.46 -3.00	28.18 0.58 0.00	28.97 0.59 -0.21	29.89 0.56 -1.48	29.87 0.58 -0.38	31.63 0.56 -1.53	35.56 0.57 -5.05	40.39 0.70 -4.75	48.27 0.85 -5.00	42.27 0.81 -0.98	37.27 0.72 -0.43	35.37 0.73 -0.06	33.05 0.65 0.00	31.43 0.70 -0.21	30.05 0.36 0.00
BETHPAGE_CC_5 323564	34.74 2.23 -5.68	32.09 1.91 -3.98	31.17 1.60 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.14 1.60 -7.22	32.59 2.13 -3.53	33.49 2.13 -3.71	32.71 2.32 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.64 2.48 -1.31	32.09 2.83 -0.35	33.66 2.75 -1.37	40.84 2.96 -7.95	45.25 3.25 -7.07	59.90 3.82 -13.66	53.34 3.64 -9.22	46.82 3.32 -7.38	43.20 3.04 -5.58	40.78 3.01 -5.36	33.56 2.84 -0.20	32.17 2.46 -0.01
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	24.94 -2.23 -0.34	24.22 -2.23 -0.24	23.11 -2.12 -0.28	20.41 -1.72 -1.38	20.68 -1.61 -1.38	21.01 -1.51 -1.21	25.58 -1.94 -0.59	26.03 -2.13 -0.51	24.76 -2.13 -0.56	24.03 -2.11 -0.37	26.14 -1.46 0.00	26.40 -1.80 -0.03	25.83 -2.20 -0.19	26.71 -2.25 -0.06	27.52 -2.22 -0.19	28.77 -1.92 -0.75	33.35 -2.17 -0.58	40.40 -2.63 -0.61	38.09 -2.51 -0.12	33.68 -2.49 -0.06	32.86 -1.73 -0.01	31.23 -1.17 0.00	28.57 -1.98 -0.03	28.74 -0.95 0.00



BINGHAMTON___COGEN 23790	28.77 0.00 -1.94	27.56 0.00 -1.36	26.56 0.02 -1.58	23.62 0.04 -2.83	23.80 0.06 -2.83	23.85 0.06 -2.47	28.24 0.11 -1.21	29.12 0.22 -1.25	27.86 0.16 -1.37	26.82 0.15 -0.89	27.96 0.36 0.00	28.49 0.25 -0.06	28.43 0.14 -0.44	29.14 0.12 -0.12	30.12 0.12 -0.46	31.76 0.30 -1.53	36.74 0.38 -1.42	44.42 0.51 -1.49	41.18 0.40 -0.29	36.54 0.29 -0.13	35.05 0.45 -0.02	32.85 0.45 0.00	30.74 0.15 -0.06	30.02 0.33 0.00
BIXINCNT_115KV_LOAD 355685	24.03 -3.14 -0.34	23.30 -3.14 -0.24	22.39 -2.84 -0.28	19.84 -2.37 -1.46	20.13 -2.24 -1.46	20.40 -2.20 -1.27	25.02 -2.53 -0.62	25.63 -2.57 -0.56	24.46 -2.47 -0.61	23.57 -2.60 -0.40	26.03 -1.57 0.00	25.89 -2.31 -0.03	25.12 -2.92 -0.20	26.05 -2.92 -0.06	26.91 -2.84 -0.21	28.33 -2.39 -0.79	33.05 -2.52 -0.63	40.41 -2.67 -0.66	38.14 -2.47 -0.13	33.83 -2.35 -0.06	33.45 -1.14 -0.01	31.65 -0.75 0.00	28.60 -1.95 -0.03	29.04 -0.65 0.00
BLACK RIVER___HYD 24047	22.04 -0.78 4.01	21.17 -0.76 4.27	20.12 -0.77 4.06	17.02 -0.62 3.11	17.12 -0.65 3.14	17.37 -0.68 3.27	22.06 -0.75 4.11	24.12 -0.72 2.80	21.15 -0.84 4.33	20.45 -1.01 4.32	21.62 -1.19 4.79	22.25 -1.18 4.74	22.11 -1.11 4.63	22.97 -1.07 4.87	23.52 -1.09 4.93	26.21 -0.96 2.77	34.49 -0.70 -0.25	41.97 -0.72 -0.26	40.13 -0.40 -0.05	36.21 0.07 -0.02	34.62 0.03 0.00	32.14 -0.26 0.00	30.23 -0.31 -0.01	29.37 -0.33 0.00
BLACKRVR_115KV_TB2 79977	22.04 -0.78 4.01	21.17 -0.76 4.27	20.12 -0.77 4.06	17.02 -0.62 3.11	17.12 -0.65 3.14	17.37 -0.68 3.27	22.06 -0.75 4.11	24.12 -0.72 2.80	21.16 -0.84 4.33	20.45 -1.01 4.32	21.62 -1.19 4.79	22.24 -1.18 4.74	22.11 -1.11 4.63	23.00 -1.04 4.87	23.52 -1.09 4.93	26.21 -0.96 2.77	34.49 -0.70 -0.25	41.97 -0.72 -0.26	40.13 -0.40 -0.05	36.21 0.07 -0.02	34.59 0.00 0.00	32.14 -0.26 0.00	30.23 -0.31 -0.01	29.37 -0.33 0.00
BLISS_WT_PWR 323608	23.81 -3.35 -0.34	23.06 -3.38 -0.24	22.16 -3.07 -0.28	19.68 -2.53 -1.46	19.99 -2.38 -1.46	20.22 -2.37 -1.27	24.88 -2.67 -0.62	25.46 -2.74 -0.56	24.36 -2.58 -0.61	23.41 -2.76 -0.40	25.83 -1.77 0.00	25.56 -2.65 -0.03	24.93 -3.12 -0.20	26.68 -2.28 -0.06	26.77 -2.98 -0.21	28.21 -2.51 -0.79	32.98 -2.58 -0.63	40.37 -2.72 -0.66	38.14 -2.47 -0.13	34.12 -2.06 -0.06	33.97 -0.62 -0.01	31.65 -0.74 0.00	28.23 -2.32 -0.03	29.04 -0.65 0.00
BLUESTONE___WT_PWR 323821	31.14 1.29 -3.03	29.60 1.28 -2.11	28.63 1.22 -2.46	25.79 1.06 -3.98	25.96 1.07 -3.98	25.88 1.09 -3.47	30.13 1.51 -1.70	31.08 1.66 -1.78	29.88 1.61 -1.94	28.51 1.47 -1.27	29.34 1.74 0.00	29.92 1.66 -0.09	30.12 1.64 -0.63	30.95 1.88 -0.16	31.84 1.65 -0.65	34.06 1.98 -2.15	39.43 2.48 -2.01	47.59 3.06 -2.12	43.81 2.92 -0.42	39.01 2.71 -0.18	37.24 2.63 -0.03	34.70 2.30 0.00	32.47 1.86 -0.09	31.60 1.90 0.00
BLUE_CIRC_CHEM_DRP 24182	33.84 0.67 -6.34	31.29 0.65 -4.44	30.73 0.62 -5.16	30.50 0.52 -9.23	30.67 0.52 -9.23	29.94 0.55 -8.06	31.54 0.67 -3.95	32.40 0.61 -4.14	31.50 0.63 -4.54	29.33 0.59 -2.96	28.26 0.66 0.00	29.05 0.68 -0.21	29.95 0.64 -1.47	29.98 0.69 -0.38	31.79 0.74 -1.51	35.71 0.78 -5.00	40.61 0.98 -4.70	48.59 1.23 -4.94	42.58 1.13 -0.97	37.55 1.01 -0.42	35.68 1.04 -0.06	33.34 0.94 0.00	31.64 0.92 -0.21	30.35 0.65 0.00
BOC_GAS_DRP 24189	33.81 0.59 -6.39	31.25 0.58 -4.47	30.70 0.55 -5.20	30.51 0.46 -9.30	30.67 0.46 -9.30	29.91 0.47 -8.12	31.49 0.59 -3.98	32.40 0.58 -4.18	31.51 0.61 -4.58	29.35 0.59 -2.99	28.32 0.72 0.00	29.11 0.73 -0.21	30.02 0.70 -1.48	30.01 0.72 -0.38	31.80 0.74 -1.52	35.75 0.78 -5.03	40.58 0.91 -4.74	48.51 1.10 -4.98	42.51 1.05 -0.98	37.49 0.94 -0.43	35.54 0.90 -0.06	33.24 0.84 0.00	31.55 0.82 -0.21	30.29 0.59 0.00
BOONVILLE_115KV_TB1 79983	24.91 0.03 1.95	24.16 0.05 2.10	22.99 0.02 1.98	19.31 0.04 1.48	19.44 0.02 1.49	19.77 0.02 1.57	25.01 0.11 2.02	26.42 0.14 1.36	24.31 0.11 2.12	23.64 0.00 2.13	25.21 0.00 2.39	25.78 -0.03 2.36	25.58 0.03 2.30	26.57 0.09 2.43	27.13 0.03 2.45	28.71 0.12 1.34	35.45 0.35 -0.16	43.10 0.51 -0.17	41.12 0.61 -0.03	37.00 0.87 -0.01	35.38 0.80 0.00	32.98 0.58 0.00	31.05 0.52 -0.01	30.20 0.50 0.00
BORALEX_4TH_BRANCH 23824	34.80 1.56 -6.41	32.18 1.49 -4.49	31.59 1.42 -5.22	31.23 1.14 -9.33	31.40 1.15 -9.33	30.73 1.26 -8.15	32.50 1.59 -3.99	33.52 1.69 -4.19	32.47 1.55 -4.59	30.31 1.55 -3.00	29.23 1.63 0.00	30.04 1.66 -0.21	30.97 1.64 -1.48	31.08 1.79 -0.38	32.90 1.83 -1.53	36.90 1.92 -5.05	41.92 2.24 -4.75	50.09 2.67 -5.00	44.09 2.63 -0.98	38.93 2.38 -0.43	36.96 2.32 -0.06	34.57 2.17 0.00	32.65 1.92 -0.21	31.30 1.60 0.00
BOWLINE___1 23526	33.98 1.56 -5.60	31.55 1.44 -3.92	30.80 1.30 -4.55	30.02 1.12 -8.15	30.19 1.13 -8.15	29.63 1.19 -7.12	31.99 1.59 -3.48	33.02 1.71 -3.66	32.02 1.69 -4.00	30.03 1.65 -2.61	29.50 1.90 0.00	30.27 1.92 -0.18	31.06 1.92 -1.29	31.26 2.02 -0.33	32.86 1.98 -1.33	36.59 2.25 -4.41	41.59 2.52 -4.14	49.84 3.06 -4.36	44.21 2.87 -0.85	39.06 2.56 -0.37	36.92 2.28 -0.06	34.63 2.23 0.00	32.72 2.01 -0.18	31.36 1.66 0.00
BOWLINE___2 23595	33.98 1.56 -5.60	31.56 1.44 -3.92	30.80 1.30 -4.55	30.02 1.12 -8.15	30.19 1.13 -8.15	29.63 1.19 -7.12	31.99 1.59 -3.48	33.02 1.71 -3.66	32.02 1.69 -4.00	30.03 1.65 -2.61	29.50 1.90 0.00	30.27 1.92 -0.18	31.06 1.92 -1.29	31.26 2.02 -0.33	32.86 1.98 -1.33	36.59 2.25 -4.41	41.59 2.52 -4.14	49.84 3.06 -4.36	44.21 2.87 -0.85	39.06 2.56 -0.37	36.92 2.28 -0.06	34.63 2.23 0.00	32.72 2.01 -0.18	31.36 1.66 0.00
BRADY___115KV_TB2 356060	5.76 -2.04 19.03	4.43 -1.99 19.78	3.94 -2.02 18.99	3.42 -1.64 15.69	3.43 -1.67 15.81	3.42 -1.77 16.13	5.79 -2.15 18.98	12.16 -2.24 13.24	4.00 -2.26 20.06	3.81 -2.29 19.67	4.06 -2.43 21.11	4.83 -2.39 20.95	4.83 -2.31 20.71	4.97 -2.40 21.54	5.01 -2.48 22.05	14.10 -2.57 13.26	32.27 -2.76 -0.10	39.30 -3.22 -0.10	38.15 -2.35 -0.02	34.61 -1.52 -0.01	33.17 -1.42 0.00	30.71 -1.68 0.00	29.49 -1.04 0.00	28.51 -1.19 0.00
BRANSCOMB___SOLAR 323811	34.59 1.21 -6.55	31.94 1.15 -4.59	31.33 1.05 -5.33	31.18 0.89 -9.54	31.37 0.92 -9.54	30.61 0.96 -8.33	32.24 1.24 -4.08	33.14 1.22 -4.28	32.23 1.21 -4.69	29.94 1.11 -3.06	28.79 1.19 0.00	29.51 1.13 -0.21	30.48 1.12 -1.52	30.51 1.21 -0.39	32.40 1.30 -1.56	36.53 1.44 -5.16	41.54 1.75 -4.86	49.73 2.20 -5.11	43.54 2.06 -1.00	38.33 1.77 -0.44	36.38 1.73 -0.06	33.99 1.59 0.00	32.53 1.80 -0.21	31.18 1.48 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	34.93 2.41 -5.68	32.22 2.04 -3.98	31.32 1.75 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.27 1.73 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.83 2.67 -1.31	32.17 2.92 -0.35	33.90 2.98 -1.37	40.78 3.29 -7.56	45.24 3.56 -6.75	59.20 4.16 -12.62	52.72 3.97 -8.28	46.32 3.61 -6.59	43.07 3.53 -4.96	40.46 3.30 -4.76	33.80 3.08 -0.19	32.35 2.64 -0.01



BRISTLHL_115KV_TB1 79998	26.42 -0.38 0.03	25.63 -0.37 0.20	24.48 -0.35 0.12	20.73 -0.31 -0.29	20.88 -0.31 -0.28	21.20 -0.30 -0.18	26.33 -0.38 0.22	27.24 -0.36 0.04	25.76 -0.37 0.20	25.10 -0.36 0.31	26.58 -0.44 0.58	27.16 -0.45 0.56	26.95 -0.45 0.46	27.91 -0.43 0.56	28.61 -0.44 0.49	29.42 -0.54 -0.02	34.67 -0.63 -0.37	42.05 -0.76 -0.39	39.79 -0.77 -0.08	35.39 -0.76 -0.03	33.83 -0.76 0.00	31.72 -0.68 0.00	29.84 -0.70 -0.02	29.16 -0.53 0.00
BROOKHAVEN___DRP 24191	34.90 2.39 -5.68	32.17 1.99 -3.98	31.25 1.67 -4.62	30.50 1.47 -8.27	30.67 1.48 -8.27	30.25 1.71 -7.22	32.69 2.23 -3.53	33.54 2.18 -3.71	32.84 2.45 -4.07	30.67 2.24 -2.65	30.03 2.43 0.00	31.06 2.70 -0.19	31.72 2.56 -1.31	32.06 2.80 -0.35	33.84 2.92 -1.37	40.65 3.20 -7.52	45.21 3.56 -6.71	59.00 4.07 -12.50	52.50 3.85 -8.17	46.24 3.61 -6.51	42.93 3.46 -4.89	40.23 3.14 -4.69	33.68 2.96 -0.19	32.17 2.46 -0.01
BROOKLYN_NAVY_YARD 23515	34.25 1.74 -5.68	31.77 1.60 -3.97	31.02 1.45 -4.62	30.25 1.22 -8.27	30.42 1.23 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.29 1.93 -3.71	32.37 1.98 -4.07	30.36 1.93 -2.65	29.83 2.23 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.01 2.87 -4.21	50.24 3.40 -4.42	44.58 3.24 -0.87	39.42 2.92 -0.38	37.27 2.63 -0.06	34.99 2.59 0.00	33.12 2.41 -0.19	31.65 1.96 0.00
BROOKLYN___ARMY_DRP 323595	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
BROOKVLE_69_KV_TB1 55790	34.66 2.15 -5.68	32.06 1.89 -3.98	31.22 1.65 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.10 1.56 -7.22	32.53 2.07 -3.53	33.49 2.13 -3.71	32.63 2.24 -4.07	30.54 2.11 -2.65	30.00 2.40 0.00	30.92 2.56 -0.19	31.67 2.51 -1.31	31.92 2.66 -0.35	33.57 2.66 -1.37	42.01 2.90 -9.18	46.28 3.25 -8.10	63.23 3.86 -16.95	56.36 3.68 -12.20	49.29 3.29 -9.88	45.27 3.15 -7.54	42.63 2.95 -7.28	33.47 2.75 -0.20	32.08 2.38 -0.01
BROOME_2_LFGE 323671	28.77 0.00 -1.94	27.56 0.00 -1.36	26.56 0.02 -1.58	23.62 0.04 -2.83	23.80 0.06 -2.83	23.85 0.06 -2.47	28.24 0.11 -1.21	29.12 0.22 -1.25	27.86 0.16 -1.37	26.82 0.16 -0.89	27.96 0.36 0.00	28.46 0.22 -0.06	28.43 0.14 -0.44	29.28 0.26 -0.12	30.12 0.12 -0.46	31.76 0.30 -1.53	36.74 0.38 -1.42	44.42 0.51 -1.49	41.18 0.40 -0.29	36.61 0.36 -0.13	35.12 0.52 -0.02	32.85 0.45 0.00	30.68 0.09 -0.06	30.02 0.33 0.00
BROOME___LFGE 323600	28.77 0.00 -1.94	27.56 0.00 -1.36	26.56 0.02 -1.58	23.62 0.04 -2.83	23.80 0.06 -2.83	23.85 0.06 -2.47	28.24 0.11 -1.21	29.12 0.22 -1.25	27.86 0.16 -1.37	26.82 0.16 -0.89	27.96 0.36 0.00	28.46 0.22 -0.06	28.43 0.14 -0.44	29.28 0.26 -0.12	30.12 0.12 -0.46	31.76 0.30 -1.53	36.74 0.38 -1.42	44.42 0.51 -1.49	41.18 0.40 -0.29	36.61 0.36 -0.13	35.12 0.52 -0.02	32.85 0.45 0.00	30.68 0.09 -0.06	30.02 0.33 0.00
BROWNFLS_115KV_TB_3_5 80003	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.75 -1.84 12.27	14.27 -1.85 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.17 0.00	29.70 -0.82 -0.01	28.77 -0.92 0.00
BROWNSV1_27_KV_LOAD 356125	34.50 1.99 -5.68	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.06 1.51 -7.22	32.48 2.02 -3.53	33.51 2.16 -3.71	32.58 2.19 -4.07	30.56 2.14 -2.65	30.06 2.46 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.25 2.84 -4.48	42.32 3.18 -4.21	50.71 3.86 -4.42	44.99 3.64 -0.87	39.75 3.25 -0.38	37.72 3.08 -0.06	35.28 2.88 0.00	33.36 2.66 -0.19	31.98 2.29 0.00
BURROWS___LYONSDAL 23803	23.87 -0.21 2.74	23.10 -0.18 2.92	21.95 -0.22 2.77	18.46 -0.17 2.13	18.60 -0.17 2.15	18.89 -0.19 2.24	23.95 -0.16 2.81	25.62 -0.11 1.92	23.21 -0.16 2.96	22.54 -0.28 2.95	24.00 -0.33 3.27	24.60 -0.34 3.24	24.41 -0.28 3.16	25.35 -0.23 3.32	25.88 -0.30 3.37	27.86 -0.18 1.89	35.14 0.03 -0.17	42.73 0.13 -0.18	40.76 0.24 -0.03	36.82 0.69 -0.02	35.21 0.62 0.00	32.79 0.39 0.00	30.89 0.37 -0.01	30.02 0.33 0.00
CAITHNESS_CC_1 323624	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.45 1.43 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.49 2.13 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.56 2.40 -1.31	32.09 2.83 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.07 3.43 -6.71	58.87 3.95 -12.50	52.37 3.72 -8.17	46.13 3.50 -6.50	42.72 3.25 -4.89	40.04 2.95 -4.69	33.58 2.87 -0.19	32.29 2.58 -0.01
CALPINE BETH_PAGE_GT4 24209	34.74 2.23 -5.68	32.09 1.91 -3.98	31.22 1.65 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.12 1.58 -7.22	32.59 2.13 -3.53	33.49 2.13 -3.71	32.71 2.32 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.70 2.53 -1.31	32.00 2.75 -0.35	33.66 2.75 -1.37	41.07 2.99 -8.14	45.35 3.18 -7.23	60.38 3.78 -14.18	53.73 3.56 -9.69	47.12 3.21 -7.78	43.58 3.11 -5.89	40.98 2.92 -5.67	33.56 2.84 -0.20	32.17 2.46 -0.01
CALPINE_BETH_PAGE_GT_4 323586	34.74 2.23 -5.68	32.09 1.91 -3.98	31.19 1.62 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.12 1.58 -7.22	32.59 2.13 -3.53	33.49 2.13 -3.71	32.71 2.32 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.64 2.48 -1.31	32.09 2.83 -0.35	33.66 2.75 -1.37	40.95 2.87 -8.14	45.35 3.18 -7.23	60.38 3.77 -14.18	53.74 3.56 -9.69	47.15 3.25 -7.78	43.45 2.97 -5.89	41.08 3.01 -5.67	33.56 2.84 -0.20	32.17 2.46 -0.01
CALPINE_BP_GT1 23823	34.74 2.23 -5.68	32.09 1.91 -3.98	31.19 1.62 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.12 1.58 -7.22	32.59 2.13 -3.53	33.49 2.13 -3.71	32.71 2.32 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.64 2.48 -1.31	32.09 2.83 -0.35	33.66 2.75 -1.37	40.95 2.87 -8.14	45.35 3.18 -7.23	60.38 3.77 -14.18	53.74 3.56 -9.69	47.15 3.25 -7.78	43.45 2.97 -5.89	41.08 3.01 -5.67	33.56 2.84 -0.20	32.17 2.46 -0.01
CALSPAN___DRP 24200	25.00 -2.17 -0.34	24.27 -2.17 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.08 -1.43 -1.19	25.62 -1.88 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.07 -2.06 -0.36	26.00 -1.60 0.00	26.34 -1.86 -0.03	25.86 -2.17 -0.18	26.74 -2.23 -0.06	27.57 -2.16 -0.19	28.79 -1.89 -0.74	33.34 -2.17 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.61 -2.56 -0.06	32.65 -1.94 -0.01	31.07 -1.33 0.00	28.54 -2.01 -0.03	28.63 -1.07 0.00



CALVERTON___SOLAR 323806	34.95 2.44 -5.68	32.22 2.04 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.71 1.53 -8.27	30.31 1.77 -7.22	32.77 2.32 -3.53	33.59 2.24 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.06 2.46 0.00	31.09 2.73 -0.19	31.67 2.51 -1.31	32.20 2.95 -0.35	33.90 2.98 -1.37	40.74 3.29 -7.52	45.31 3.67 -6.71	59.08 4.16 -12.50	52.62 3.97 -8.18	46.38 3.76 -6.51	42.93 3.46 -4.89	40.17 3.08 -4.69	33.71 2.99 -0.19	32.47 2.76 -0.01
CANDIGU_WT_PWR 323617	25.25 -1.74 -0.17	24.60 -1.73 -0.13	23.50 -1.60 -0.14	21.37 -1.27 -1.89	21.61 -1.19 -1.89	21.86 -1.11 -1.65	26.39 -1.35 -0.81	27.11 -1.33 -0.79	25.80 -1.40 -0.87	24.95 -1.39 -0.57	26.61 -0.99 0.00	26.86 -1.35 -0.04	26.60 -1.53 -0.28	27.77 -1.21 -0.08	28.39 -1.45 -0.29	29.88 -1.08 -1.02	34.68 -1.15 -0.90	42.18 -1.19 -0.94	39.53 -1.13 -0.19	35.12 -1.08 -0.08	34.22 -0.38 -0.01	32.01 -0.39 0.00	29.43 -1.13 -0.04	29.28 -0.42 0.00
CARR STREET_E_SYR 24060	26.77 -0.22 -0.16	25.96 -0.21 0.02	24.81 -0.20 -0.05	21.06 -0.17 -0.48	21.22 -0.17 -0.48	21.54 -0.15 -0.37	26.69 -0.19 0.05	27.57 -0.16 -0.09	26.12 -0.18 0.02	25.44 -0.18 0.15	26.91 -0.25 0.44	27.50 -0.25 0.42	27.29 -0.25 0.30	28.26 -0.23 0.42	28.98 -0.24 0.33	29.82 -0.27 -0.16	35.03 -0.32 -0.41	42.43 -0.42 -0.43	40.12 -0.44 -0.08	35.69 -0.47 -0.04	34.21 -0.38 -0.01	32.01 -0.39 0.00	30.08 -0.46 -0.02	29.40 -0.30 0.00
CARTHAGE___PAPER 23857	21.09 -0.96 4.77	20.18 -0.97 5.05	19.16 -0.97 4.81	16.20 -0.79 3.76	16.30 -0.82 3.80	16.53 -0.85 3.93	21.09 -0.97 4.86	23.37 -0.94 3.33	20.15 -1.05 5.12	19.47 -1.21 5.09	20.62 -1.38 5.60	21.25 -1.38 5.55	21.11 -1.31 5.43	21.94 -1.27 5.70	22.46 -1.30 5.78	25.47 -1.17 3.30	34.18 -0.98 -0.23	41.64 -1.02 -0.24	39.84 -0.69 -0.05	36.10 -0.04 -0.02	34.52 -0.07 0.00	32.04 -0.36 0.00	30.20 -0.34 -0.01	29.28 -0.42 0.00
CASSADAGA_WT_PWR 323784	24.36 -2.79 -0.32	23.63 -2.80 -0.23	22.60 -2.62 -0.27	20.09 -2.10 -1.43	20.42 -1.92 -1.43	20.84 -1.73 -1.25	25.36 -2.18 -0.61	26.00 -2.18 -0.54	24.74 -2.19 -0.59	23.97 -2.19 -0.39	26.14 -1.46 0.00	26.26 -1.94 -0.03	25.81 -2.23 -0.19	27.23 -1.73 -0.05	27.59 -2.16 -0.20	28.97 -1.74 -0.78	33.77 -1.78 -0.61	41.12 -1.95 -0.64	38.83 -1.78 -0.13	34.45 -1.73 -0.06	34.11 -0.48 -0.01	31.82 -0.58 0.00	28.90 -1.65 -0.03	29.22 -0.48 0.00
CE_DUNWOOD___DRP 24194	34.17 1.66 -5.68	31.72 1.55 -3.97	30.97 1.40 -4.62	30.22 1.20 -8.26	30.39 1.21 -8.26	29.81 1.28 -7.22	32.15 1.70 -3.53	33.18 1.82 -3.71	32.18 1.79 -4.06	30.17 1.75 -2.65	29.61 2.01 0.00	30.44 2.08 -0.19	31.25 2.09 -1.31	31.36 2.11 -0.34	33.05 2.16 -1.35	36.80 2.39 -4.47	41.83 2.69 -4.20	50.06 3.22 -4.42	44.42 3.08 -0.87	39.21 2.71 -0.38	37.23 2.59 -0.06	34.80 2.40 0.00	32.90 2.20 -0.19	31.54 1.84 0.00
CE_MILLWOOD___DRP 24193	34.10 1.61 -5.66	31.66 1.49 -3.96	30.93 1.37 -4.61	30.16 1.16 -8.25	30.33 1.17 -8.25	29.76 1.24 -7.20	32.09 1.64 -3.52	33.11 1.77 -3.70	32.12 1.74 -4.05	30.12 1.70 -2.64	29.56 1.96 0.00	30.38 2.03 -0.18	31.16 2.01 -1.31	31.30 2.05 -0.34	32.99 2.10 -1.35	36.73 2.33 -4.46	41.75 2.62 -4.19	49.97 3.14 -4.41	44.30 2.95 -0.86	39.13 2.64 -0.38	37.16 2.52 -0.06	34.73 2.33 0.00	32.84 2.14 -0.18	31.48 1.78 0.00
CE_NYC2_DRP 24202	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.40 2.05 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.92 2.32 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	42.18 3.04 -4.21	50.49 3.65 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.58 2.94 -0.06	35.15 2.75 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
CE_NYC_DRP 24195	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.75 2.39 -0.19	31.53 2.37 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.04 2.63 -4.48	41.47 2.93 -3.60	49.47 3.52 -3.52	43.78 3.36 0.06	39.26 3.00 -0.14	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
CHAFFEE___LFGE 323603	25.02 -2.15 -0.34	24.29 -2.15 -0.24	23.16 -2.07 -0.28	20.50 -1.66 -1.41	20.78 -1.55 -1.41	21.10 -1.45 -1.23	25.64 -1.89 -0.60	26.10 -2.07 -0.53	24.83 -2.08 -0.58	24.09 -2.06 -0.38	26.16 -1.44 0.00	26.34 -1.86 -0.03	25.90 -2.14 -0.19	27.23 -1.73 -0.05	27.61 -2.13 -0.20	28.84 -1.86 -0.76	33.44 -2.10 -0.60	40.51 -2.54 -0.63	38.14 -2.47 -0.13	33.87 -2.31 -0.06	33.42 -1.18 -0.01	31.20 -1.20 0.00	28.39 -2.17 -0.03	28.72 -0.98 0.00
CHATEAUG_35_KV_LOAD 355732	3.32 -2.92 20.58	1.91 -2.91 21.38	1.50 -2.92 20.53	1.36 -2.41 16.98	1.31 -2.49 17.12	1.28 -2.58 17.46	3.18 -3.23 20.51	10.01 -3.32 14.32	1.41 -3.24 21.69	1.35 -3.17 21.25	1.43 -3.37 22.80	2.19 -3.35 22.63	2.25 -3.23 22.37	2.28 -3.35 23.27	2.24 -3.49 23.82	12.00 -3.59 14.34	31.04 -3.98 -0.09	37.76 -4.75 -0.09	36.65 -3.85 -0.02	33.31 -2.82 -0.01	31.95 -2.63 0.00	29.64 -2.75 0.00	28.57 -1.95 0.00	27.65 -2.05 0.00
CHATEAUG_WT_PWR 323614	2.89 -2.95 20.99	1.46 -2.93 21.80	1.09 -2.92 20.94	1.00 -2.43 17.32	0.94 -2.51 17.46	0.89 -2.62 17.80	2.72 -3.29 20.92	9.64 -3.40 14.60	0.93 -3.29 22.11	0.88 -3.22 21.67	0.94 -3.42 23.24	1.72 -3.38 23.07	1.75 -3.29 22.81	1.74 -3.44 23.72	1.74 -3.52 24.29	11.69 -3.62 14.62	31.00 -4.02 -0.09	37.72 -4.79 -0.09	36.61 -3.89 -0.02	33.27 -2.85 -0.01	31.85 -2.73 0.00	29.61 -2.79 0.00	28.54 -1.98 0.00	27.65 -2.05 0.00
CHAT_HIGH_FALL_HYD 323578	3.32 -2.92 20.58	1.91 -2.91 21.38	1.50 -2.92 20.53	1.36 -2.41 16.98	1.31 -2.49 17.12	1.28 -2.58 17.46	3.18 -3.23 20.51	10.01 -3.32 14.32	1.41 -3.24 21.69	1.35 -3.17 21.25	1.43 -3.37 22.80	2.19 -3.35 22.63	2.25 -3.23 22.37	2.28 -3.35 23.27	2.24 -3.49 23.82	12.00 -3.59 14.34	31.04 -3.98 -0.09	37.76 -4.75 -0.09	36.65 -3.85 -0.02	33.31 -2.82 -0.01	31.95 -2.63 0.00	29.64 -2.75 0.00	28.57 -1.95 0.00	27.65 -2.05 0.00
CHAUTAUQUA___LFGE 323629	24.85 -2.31 -0.33	24.13 -2.31 -0.24	23.03 -2.20 -0.27	20.41 -1.74 -1.40	20.72 -1.59 -1.40	21.09 -1.45 -1.22	25.64 -1.89 -0.60	26.09 -2.07 -0.52	24.85 -2.05 -0.57	24.08 -2.06 -0.38	26.00 -1.60 0.00	26.32 -1.89 -0.03	25.95 -2.09 -0.19	27.17 -1.79 -0.05	27.70 -2.04 -0.19	28.95 -1.74 -0.76	33.64 -1.89 -0.59	40.80 -2.25 -0.62	38.46 -2.15 -0.13	34.08 -2.10 -0.06	33.59 -1.00 -0.01	31.36 -1.04 0.00	28.69 -1.86 -0.03	28.83 -0.86 0.00
CHERRYST_13_KV_LD 356241	34.42 1.90 -5.68	31.96 1.78 -3.97	31.19 1.62 -4.62	30.39 1.37 -8.27	30.56 1.38 -8.27	29.97 1.43 -7.22	32.37 1.91 -3.53	33.43 2.07 -3.71	32.47 2.08 -4.07	30.46 2.04 -2.65	29.95 2.35 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	41.57 3.04 -3.60	49.59 3.65 -3.52	43.86 3.44 0.06	39.33 3.07 -0.14	37.54 2.90 -0.06	35.15 2.75 0.00	33.27 2.56 -0.19	31.89 2.20 0.00



CHESTROR_138KV_BK263 355645	33.70 1.42 -5.45	31.35 1.34 -3.81	30.58 1.20 -4.43	29.72 1.04 -7.93	29.89 1.05 -7.93	29.36 1.11 -6.93	31.77 1.45 -3.39	32.78 1.58 -3.56	31.78 1.55 -3.90	29.81 1.49 -2.54	29.34 1.74 0.00	30.10 1.75 -0.18	30.86 1.75 -1.26	31.00 1.76 -0.33	32.67 1.83 -1.30	36.29 2.07 -4.29	41.31 2.34 -4.04	49.51 2.84 -4.24	43.98 2.67 -0.83	38.83 2.35 -0.36	36.88 2.25 -0.05	34.47 2.07 0.00	32.56 1.86 -0.18	31.24 1.54 0.00
CH_MIDHUDSON___DRP 24192	34.08 1.53 -5.72	31.62 1.41 -4.00	30.91 1.30 -4.66	30.18 1.10 -8.33	30.37 1.13 -8.33	29.79 1.19 -7.28	32.02 1.53 -3.56	33.04 1.66 -3.74	32.06 1.63 -4.10	30.04 1.60 -2.67	29.42 1.82 0.00	30.22 1.86 -0.19	31.04 1.87 -1.32	31.16 1.91 -0.34	32.89 1.98 -1.36	36.63 2.19 -4.51	41.65 2.48 -4.24	49.89 3.01 -4.46	44.19 2.83 -0.87	39.03 2.53 -0.38	37.02 2.39 -0.06	34.60 2.20 0.00	32.72 2.01 -0.19	31.36 1.66 0.00
CH_MISC_IPPS 23765	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.33 1.97 -0.19	31.17 2.01 -1.31	31.38 2.14 -0.34	33.05 2.16 -1.35	36.80 2.40 -4.47	41.93 2.80 -4.20	50.24 3.40 -4.42	44.50 3.16 -0.87	39.32 2.82 -0.38	37.20 2.56 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.51 1.81 0.00
CH_RES_BVR_FALLS 23983	0.88 -1.48 24.47	-0.64 -1.44 25.40	-0.85 -1.40 24.40	-0.64 -1.16 20.23	-0.67 -1.19 20.39	-0.68 -1.21 20.78	1.02 -1.53 24.37	9.04 -1.57 17.03	-0.93 -1.50 25.76	-0.96 -1.50 25.24	-1.04 -1.60 27.04	-0.25 -1.58 26.84	-0.26 -1.56 26.55	-0.34 -1.65 27.60	-0.38 -1.65 28.27	11.17 -1.70 17.05	33.11 -1.89 -0.06	40.24 -2.25 -0.06	38.71 -1.78 -0.01	34.83 -1.30 -0.01	33.34 -1.24 0.00	31.17 -1.23 0.00	29.67 -0.85 0.00	28.77 -0.92 0.00
CH_RES_NIAGARA 23895	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.89 -2.35 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.89 -1.53 -1.11	25.37 -2.10 -0.54	25.50 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.69 -2.51 -0.03	25.42 -2.59 -0.16	26.27 -2.69 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.59 -3.58 -0.05	31.06 -3.53 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
CH_RES_SYRACUSE 23985	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.04 -0.05 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.48 -0.10 -0.01	32.24 -0.16 0.00	30.30 -0.25 -0.02	29.61 -0.09 0.00
CLINTON_WT_PWR 323605	2.89 -2.95 20.99	1.46 -2.93 21.80	1.09 -2.92 20.94	1.00 -2.43 17.32	0.94 -2.51 17.46	0.89 -2.62 17.80	2.72 -3.29 20.92	9.64 -3.40 14.60	0.93 -3.29 22.11	0.88 -3.22 21.67	0.94 -3.42 23.24	1.72 -3.38 23.07	1.75 -3.29 22.81	1.74 -3.44 23.72	1.74 -3.52 24.29	11.69 -3.62 14.62	31.00 -4.02 -0.09	37.72 -4.79 -0.09	36.61 -3.89 -0.02	33.27 -2.85 -0.01	31.85 -2.73 0.00	29.61 -2.79 0.00	28.54 -1.98 0.00	27.65 -2.05 0.00
CLINTON___LFGE 323618	3.37 -2.58 20.88	1.91 -2.59 21.69	1.50 -2.62 20.83	1.34 -2.18 17.24	1.30 -2.24 17.37	1.26 -2.35 17.71	3.23 -2.88 20.81	10.16 -2.96 14.53	1.43 -2.90 22.00	1.37 -2.83 21.56	1.47 -3.01 23.13	2.26 -2.96 22.95	2.29 -2.87 22.69	2.30 -3.01 23.60	2.30 -3.07 24.16	12.24 -3.14 14.55	31.56 -3.46 -0.09	38.40 -4.11 -0.09	37.30 -3.20 -0.02	33.85 -2.27 -0.01	32.47 -2.11 0.00	30.16 -2.24 0.00	29.03 -1.49 0.00	28.09 -1.60 0.00
COBBLENY_34_KV_TB1 80064	25.02 -2.15 -0.34	24.29 -2.15 -0.24	23.16 -2.07 -0.28	20.50 -1.66 -1.41	20.78 -1.55 -1.41	21.10 -1.45 -1.23	25.64 -1.88 -0.60	26.10 -2.07 -0.53	24.83 -2.08 -0.58	24.09 -2.06 -0.38	26.16 -1.44 0.00	26.43 -1.77 -0.03	25.90 -2.14 -0.19	26.77 -2.20 -0.06	27.61 -2.13 -0.20	28.84 -1.86 -0.76	33.44 -2.10 -0.60	40.51 -2.55 -0.63	38.14 -2.47 -0.13	33.72 -2.46 -0.06	32.83 -1.76 -0.01	31.20 -1.20 0.00	28.57 -1.98 -0.03	28.71 -0.98 0.00
COFFEEN___115KV_TB3 355620	22.39 -0.56 3.88	21.51 -0.55 4.13	20.43 -0.60 3.93	17.30 -0.46 3.00	17.39 -0.50 3.02	17.63 -0.53 3.15	22.40 -0.54 3.98	24.44 -0.50 2.71	21.48 -0.66 4.19	20.74 -0.85 4.18	21.96 -0.99 4.65	22.56 -1.01 4.60	22.44 -0.92 4.49	23.34 -0.84 4.72	23.88 -0.89 4.78	26.54 -0.72 2.67	34.80 -0.38 -0.26	42.39 -0.30 -0.27	40.53 0.00 -0.05	36.61 0.47 -0.02	34.93 0.35 0.00	32.43 0.03 0.00	30.47 -0.06 -0.01	29.61 -0.09 0.00
COLDSPRG_115KV_BK1 355956	24.81 -2.33 -0.32	24.12 -2.31 -0.23	23.04 -2.17 -0.26	20.41 -1.83 -1.48	20.72 -1.67 -1.48	21.10 -1.51 -1.30	25.65 -1.91 -0.63	26.44 -1.77 -0.57	25.11 -1.84 -0.62	24.30 -1.88 -0.41	26.97 -0.63 0.00	26.88 -1.32 -0.03	26.10 -1.95 -0.20	26.97 -1.99 -0.06	27.74 -2.01 -0.21	29.12 -1.62 -0.80	33.94 -1.64 -0.64	41.36 -1.74 -0.68	39.00 -1.62 -0.14	34.48 -1.70 -0.06	34.11 -0.48 -0.01	32.30 -0.10 0.00	29.21 -1.34 -0.03	29.58 -0.12 0.00
COLONIE_LFGE___ 323577	34.37 1.05 -6.49	31.76 1.02 -4.54	31.18 0.95 -5.28	30.99 0.79 -9.45	31.15 0.79 -9.45	30.42 0.85 -8.25	32.04 1.08 -4.04	32.97 1.08 -4.24	32.03 1.05 -4.65	29.84 1.03 -3.03	28.71 1.11 0.00	29.51 1.13 -0.21	30.43 1.08 -1.50	30.48 1.19 -0.39	32.30 1.21 -1.55	36.33 1.29 -5.11	41.28 1.54 -4.81	49.34 1.86 -5.06	43.29 1.82 -0.99	38.14 1.59 -0.43	36.13 1.49 -0.06	33.86 1.46 0.00	32.11 1.37 -0.21	30.82 1.13 0.00
COOPERNY_115KV_TB1 80082	32.32 1.07 -4.42	30.34 1.05 -3.09	29.49 0.95 -3.59	28.01 0.83 -6.43	28.18 0.84 -6.43	27.79 0.85 -5.61	30.80 1.13 -2.75	31.74 1.22 -2.88	30.70 1.21 -3.16	28.99 1.16 -2.06	28.98 1.38 0.00	29.70 1.38 -0.14	30.26 1.39 -1.02	30.56 1.39 -0.26	31.98 1.39 -1.05	35.03 1.62 -3.48	40.02 1.82 -3.27	48.06 2.21 -3.43	43.22 2.06 -0.67	38.26 1.84 -0.30	36.42 1.80 -0.04	34.05 1.65 0.00	32.13 1.46 -0.14	30.91 1.22 0.00
COPENHAGEN_WT_PWR 323753	22.47 -0.72 3.64	21.58 -0.73 3.89	20.54 -0.72 3.69	17.38 -0.58 2.79	17.47 -0.63 2.82	17.71 -0.66 2.94	22.45 -0.73 3.75	24.41 -0.69 2.54	21.60 -0.79 3.94	20.90 -0.93 3.94	22.10 -1.10 4.39	22.69 -1.13 4.35	22.58 -1.03 4.23	23.46 -0.98 4.46	24.00 -1.03 4.51	26.53 -0.90 2.50	34.50 -0.70 -0.26	41.98 -0.72 -0.28	40.09 -0.44 -0.05	36.14 0.00 -0.02	34.55 -0.03 0.00	32.11 -0.29 0.00	30.20 -0.34 -0.01	29.37 -0.33 0.00
CORNELL_____ 23752	30.94 0.32 -3.78	29.14 0.31 -2.62	28.34 0.32 -3.06	23.00 0.27 -1.98	23.19 0.29 -1.98	23.39 0.34 -1.73	28.23 0.46 -0.85	29.13 0.61 -0.88	27.79 0.50 -0.96	26.83 0.44 -0.63	28.10 0.50 0.00	28.67 0.45 -0.04	28.55 0.39 -0.31	29.42 0.43 -0.08	30.33 0.47 -0.32	31.63 0.63 -1.07	36.76 0.84 -0.99	44.57 1.10 -1.04	41.70 1.01 -0.21	37.08 0.87 -0.09	35.49 0.90 -0.01	33.21 0.81 0.00	31.08 0.52 -0.04	30.35 0.65 0.00



CORONA__69_KV_TB1 355595	34.69 2.17 -5.68	32.06 1.89 -3.98	31.20 1.62 -4.62	30.39 1.37 -8.27	30.58 1.40 -8.27	30.10 1.56 -7.22	32.53 2.07 -3.53	33.46 2.10 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.95 2.35 0.00	30.92 2.56 -0.19	31.64 2.48 -1.31	31.92 2.66 -0.36	33.54 2.63 -1.37	42.33 2.87 -9.53	46.43 3.11 -8.39	63.95 3.65 -17.88	57.00 3.48 -13.04	49.89 3.18 -10.59	45.75 3.08 -8.09	43.14 2.92 -7.82	33.44 2.72 -0.20	32.09 2.38 -0.02
CORTLAND__115KV_TB3 80093	28.76 0.19 -1.74	27.57 0.16 -1.21	26.57 0.20 -1.42	22.50 0.17 -1.59	22.67 0.17 -1.59	22.90 0.19 -1.39	27.87 0.27 -0.68	28.71 0.36 -0.71	27.39 0.29 -0.77	26.53 0.26 -0.50	27.93 0.33 0.00	28.49 0.28 -0.04	28.32 0.22 -0.25	29.23 0.26 -0.07	30.07 0.27 -0.26	31.18 0.39 -0.86	36.22 0.49 -0.80	43.94 0.68 -0.84	41.21 0.57 -0.17	36.70 0.51 -0.07	35.11 0.52 -0.01	32.88 0.49 0.00	30.80 0.24 -0.04	30.08 0.39 0.00
COXSACKIE__GT 23611	33.99 0.96 -6.19	31.50 0.97 -4.33	30.89 0.90 -5.04	30.47 0.71 -9.01	30.68 0.75 -9.01	30.09 0.90 -7.87	31.85 1.08 -3.85	32.68 0.99 -4.05	31.79 1.03 -4.43	29.41 0.75 -2.89	28.51 0.91 0.00	29.22 0.84 -0.20	29.98 0.70 -1.43	30.29 1.01 -0.37	32.02 1.01 -1.48	36.01 1.20 -4.88	41.34 1.82 -4.59	49.79 2.55 -4.82	43.69 2.27 -0.95	38.66 2.13 -0.41	36.65 2.00 -0.06	34.21 1.81 0.00	32.40 1.68 -0.20	31.00 1.31 0.00
CPV_VALLEY__CC1 323721	32.17 0.86 -4.48	30.15 0.81 -3.13	29.34 0.75 -3.64	27.92 0.64 -6.52	28.08 0.65 -6.52	27.70 0.68 -5.70	30.60 0.89 -2.79	31.56 0.99 -2.92	30.51 0.97 -3.20	28.81 0.95 -2.09	28.73 1.13 0.00	29.45 1.13 -0.15	30.02 1.14 -1.03	30.36 1.19 -0.27	31.76 1.15 -1.07	34.81 1.35 -3.53	39.71 1.47 -3.31	47.69 1.78 -3.48	42.86 1.70 -0.68	37.97 1.55 -0.30	36.01 1.38 -0.04	33.76 1.36 0.00	31.86 1.19 -0.15	30.64 0.95 0.00
CPV_VALLEY__CC2 323722	32.17 0.86 -4.48	30.15 0.81 -3.13	29.34 0.75 -3.64	27.92 0.64 -6.52	28.08 0.65 -6.52	27.70 0.68 -5.70	30.60 0.89 -2.79	31.56 0.99 -2.92	30.51 0.97 -3.20	28.81 0.95 -2.09	28.73 1.13 0.00	29.45 1.13 -0.15	30.02 1.14 -1.03	30.36 1.19 -0.27	31.76 1.15 -1.07	34.81 1.35 -3.53	39.71 1.47 -3.31	47.69 1.78 -3.48	42.86 1.70 -0.68	37.97 1.55 -0.30	36.01 1.38 -0.04	33.76 1.36 0.00	31.86 1.19 -0.15	30.64 0.95 0.00
CRESCENT__HYD 24018	34.37 1.05 -6.49	31.76 1.02 -4.54	31.18 0.95 -5.28	30.99 0.79 -9.45	31.15 0.79 -9.45	30.42 0.85 -8.25	32.04 1.08 -4.04	32.97 1.08 -4.24	32.03 1.05 -4.65	29.84 1.03 -3.03	28.71 1.11 0.00	29.51 1.13 -0.21	30.43 1.08 -1.50	30.48 1.19 -0.39	32.30 1.21 -1.55	36.33 1.29 -5.11	41.28 1.54 -4.81	49.34 1.86 -5.06	43.29 1.82 -0.99	38.14 1.59 -0.43	36.13 1.49 -0.06	33.86 1.46 0.00	32.11 1.37 -0.21	30.82 1.13 0.00
CRICKET__VALLEY_CC1 323756	34.03 1.37 -5.83	31.51 1.23 -4.08	30.82 1.12 -4.74	30.19 0.96 -8.49	30.36 0.96 -8.49	29.78 1.04 -7.41	31.87 1.32 -3.63	32.89 1.44 -3.81	31.87 1.37 -4.17	29.88 1.39 -2.72	29.17 1.57 0.00	29.94 1.58 -0.19	30.75 1.56 -1.35	30.93 1.68 -0.35	32.58 1.65 -1.39	36.35 1.83 -4.59	41.31 2.06 -4.32	49.42 2.46 -4.54	43.71 2.35 -0.89	38.64 2.13 -0.39	36.54 1.90 -0.06	34.31 1.91 0.00	32.39 1.68 -0.19	31.06 1.37 0.00
CRICKET__VALLEY_CC2 323757	34.03 1.37 -5.83	31.51 1.23 -4.08	30.82 1.12 -4.74	30.19 0.96 -8.49	30.36 0.96 -8.49	29.78 1.04 -7.41	31.87 1.32 -3.63	32.89 1.44 -3.81	31.87 1.37 -4.17	29.88 1.39 -2.72	29.17 1.57 0.00	29.94 1.58 -0.19	30.75 1.56 -1.35	30.93 1.68 -0.35	32.58 1.65 -1.39	36.35 1.83 -4.59	41.31 2.06 -4.32	49.42 2.46 -4.54	43.71 2.35 -0.89	38.64 2.13 -0.39	36.54 1.90 -0.06	34.31 1.91 0.00	32.39 1.68 -0.19	31.06 1.37 0.00
CRICKET__VALLEY_CC3 323758	34.03 1.37 -5.83	31.51 1.23 -4.08	30.82 1.12 -4.74	30.19 0.96 -8.49	30.36 0.96 -8.49	29.78 1.04 -7.41	31.87 1.32 -3.63	32.89 1.44 -3.81	31.87 1.37 -4.17	29.88 1.39 -2.72	29.17 1.57 0.00	29.94 1.58 -0.19	30.75 1.56 -1.35	30.93 1.68 -0.35	32.58 1.65 -1.39	36.35 1.83 -4.59	41.31 2.06 -4.32	49.42 2.46 -4.54	43.71 2.35 -0.89	38.64 2.13 -0.39	36.54 1.90 -0.06	34.31 1.91 0.00	32.39 1.68 -0.19	31.06 1.37 0.00
CRUCIBLE__METL_DRP 24180	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 0.00	29.61 -0.09 0.00
DAHOWA__HYDRO 323763	34.63 1.23 -6.57	32.00 1.21 -4.59	31.39 1.10 -5.34	31.22 0.91 -9.56	31.41 0.94 -9.56	30.67 1.00 -8.35	32.27 1.27 -4.08	33.18 1.25 -4.29	32.29 1.26 -4.70	30.00 1.16 -3.07	28.84 1.24 0.00	29.54 1.16 -0.21	30.51 1.14 -1.52	30.51 1.21 -0.39	32.44 1.33 -1.56	36.57 1.47 -5.17	41.61 1.82 -4.87	49.83 2.29 -5.12	43.62 2.14 -1.00	38.40 1.84 -0.44	36.44 1.80 -0.07	34.05 1.65 0.00	32.69 1.96 -0.21	31.30 1.60 0.00
DANC__LFGE 323619	23.94 -0.56 2.32	23.08 -0.58 2.54	21.99 -0.57 2.39	18.63 -0.46 1.67	18.75 -0.48 1.69	19.00 -0.51 1.80	23.87 -0.59 2.46	25.46 -0.55 1.63	23.12 -0.63 2.58	22.46 -0.69 2.62	23.77 -0.83 3.00	24.36 -0.84 2.97	24.21 -0.78 2.86	25.09 -0.78 3.04	25.73 -0.77 3.05	27.63 -0.72 1.58	34.61 -0.63 -0.30	41.98 -0.76 -0.32	39.93 -0.61 -0.06	35.86 -0.29 -0.03	34.31 -0.28 0.00	31.98 -0.42 0.00	30.08 -0.46 -0.01	29.31 -0.39 0.00
DANSKAMMER__1 23586	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.33 1.97 -0.19	31.17 2.01 -1.31	31.38 2.14 -0.34	33.05 2.16 -1.35	36.80 2.40 -4.47	41.93 2.80 -4.20	50.24 3.40 -4.42	44.50 3.16 -0.87	39.32 2.82 -0.38	37.20 2.56 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.51 1.81 0.00
DANSKAMMER__2 23589	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.33 1.97 -0.19	31.17 2.01 -1.31	31.38 2.14 -0.34	33.05 2.16 -1.35	36.80 2.40 -4.47	41.93 2.80 -4.20	50.24 3.40 -4.42	44.50 3.16 -0.87	39.32 2.82 -0.38	37.20 2.56 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.51 1.81 0.00
DANSKAMMER__3 23590	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.33 1.97 -0.19	31.17 2.01 -1.31	31.38 2.14 -0.34	33.05 2.16 -1.35	36.80 2.40 -4.47	41.93 2.80 -4.20	50.24 3.40 -4.42	44.50 3.16 -0.87	39.32 2.82 -0.38	37.20 2.56 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.51 1.81 0.00



DANSKAMMER___4 23591	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.33 1.97 -0.19	31.17 2.01 -1.31	31.38 2.14 -0.34	33.05 2.16 -1.35	36.80 2.40 -4.47	41.93 2.80 -4.20	50.24 3.40 -4.42	44.50 3.16 -0.87	39.32 2.82 -0.38	37.20 2.56 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.51 1.81 0.00
DANSKAMMER___DIESEL 23592	34.17 1.66 -5.68	31.74 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.26	30.41 1.23 -8.26	29.86 1.32 -7.22	32.15 1.70 -3.53	33.15 1.80 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.56 1.96 0.00	30.36 2.00 -0.19	31.16 2.01 -1.31	31.33 2.08 -0.34	33.05 2.16 -1.35	36.80 2.39 -4.47	41.93 2.79 -4.20	50.19 3.35 -4.42	44.50 3.16 -0.87	39.28 2.78 -0.38	37.30 2.66 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.54 1.84 0.00
DARBY___SOLAR 323810	34.59 1.21 -6.55	31.94 1.15 -4.59	31.33 1.05 -5.33	31.18 0.89 -9.54	31.35 0.90 -9.54	30.61 0.96 -8.33	32.21 1.21 -4.08	33.15 1.22 -4.29	32.24 1.21 -4.69	29.97 1.13 -3.06	28.81 1.21 0.00	29.54 1.16 -0.21	30.48 1.12 -1.52	30.51 1.21 -0.39	32.40 1.30 -1.56	36.50 1.41 -5.16	41.54 1.75 -4.86	49.73 2.20 -5.11	43.50 2.02 -1.00	38.33 1.77 -0.44	36.34 1.69 -0.06	33.99 1.59 0.00	32.53 1.80 -0.21	31.21 1.51 0.00
DASHVILLE___HYD 23610	33.62 1.05 -5.74	31.18 0.97 -4.01	30.49 0.87 -4.67	29.85 0.75 -8.35	30.02 0.75 -8.35	29.45 0.83 -7.30	31.57 1.08 -3.57	32.58 1.19 -3.75	31.65 1.21 -4.11	29.64 1.19 -2.68	29.23 1.63 0.00	30.02 1.66 -0.19	30.62 1.45 -1.33	30.96 1.71 -0.34	32.39 1.48 -1.37	36.19 1.74 -4.52	41.14 1.96 -4.25	49.27 2.38 -4.47	43.58 2.23 -0.88	38.81 2.31 -0.38	36.82 2.18 -0.06	34.44 2.04 0.00	32.54 1.83 -0.19	31.24 1.54 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	35.03 2.52 -5.68	32.27 2.10 -3.98	31.32 1.75 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.33 1.79 -7.22	32.83 2.37 -3.53	33.65 2.29 -3.71	33.00 2.61 -4.07	30.79 2.37 -2.65	30.00 2.40 0.00	31.15 2.79 -0.19	31.78 2.62 -1.31	32.15 2.89 -0.35	33.99 3.07 -1.37	40.71 3.26 -7.52	45.38 3.74 -6.71	59.21 4.28 -12.50	52.70 4.05 -8.18	46.46 3.83 -6.51	43.07 3.60 -4.89	40.27 3.18 -4.69	33.68 2.96 -0.19	32.29 2.58 -0.01
DELAWARE___LFGE 323621	30.36 0.80 -2.72	28.91 0.81 -1.90	27.96 0.80 -2.21	25.26 0.68 -3.82	25.42 0.69 -3.82	25.32 0.66 -3.34	29.45 0.89 -1.63	30.32 0.97 -1.71	29.15 0.95 -1.87	27.89 0.90 -1.22	28.70 1.10 0.00	29.33 1.07 -0.09	29.48 1.03 -0.60	30.10 1.04 -0.16	31.17 1.00 -0.62	33.20 1.20 -2.07	38.30 1.43 -1.94	46.24 1.78 -2.03	42.54 1.66 -0.40	37.77 1.48 -0.18	36.06 1.45 -0.03	33.69 1.30 0.00	31.71 1.10 -0.09	30.70 1.01 0.00
DERFIELD_115KV_TB7 355931	26.91 0.00 -0.08	26.28 0.03 -0.06	25.04 0.02 -0.07	20.89 0.02 -0.12	21.06 0.02 -0.12	21.42 0.00 -0.11	27.00 0.03 -0.05	27.70 0.00 -0.05	26.42 0.03 -0.06	25.81 0.00 -0.04	27.63 0.03 0.00	28.20 0.03 0.00	27.90 0.03 -0.02	28.94 0.03 -0.01	29.59 0.03 -0.02	30.03 0.03 -0.07	35.07 0.07 -0.06	42.57 0.08 -0.07	40.57 0.08 -0.01	36.23 0.11 -0.01	34.69 0.10 0.00	32.50 0.10 0.00	30.65 0.12 0.00	29.78 0.09 0.00
DOGLEVILLE___HYD 23807	26.81 -0.11 -0.08	26.15 -0.10 -0.06	24.90 -0.12 -0.07	20.77 -0.10 -0.12	20.93 -0.10 -0.12	21.32 -0.11 -0.11	26.87 -0.11 -0.05	27.62 -0.08 -0.05	26.31 -0.08 -0.06	25.71 -0.10 -0.04	27.52 -0.08 0.00	28.09 -0.08 0.00	27.78 -0.08 -0.02	28.85 -0.06 -0.01	29.47 -0.09 -0.02	29.91 -0.09 -0.07	35.03 0.03 -0.06	42.57 0.09 -0.07	40.65 0.16 -0.01	36.41 0.29 -0.01	34.89 0.31 0.00	32.69 0.29 0.00	30.95 0.43 0.00	30.14 0.45 0.00
DUNKIRK___115KV_TB_200 55889	24.90 -2.25 -0.33	24.18 -2.25 -0.24	23.05 -2.17 -0.27	20.45 -1.70 -1.40	20.74 -1.57 -1.40	21.11 -1.43 -1.22	25.66 -1.86 -0.60	26.09 -2.07 -0.52	24.85 -2.05 -0.57	24.11 -2.04 -0.37	26.00 -1.60 0.00	26.40 -1.80 -0.03	25.95 -2.09 -0.19	26.85 -2.11 -0.06	27.70 -2.04 -0.19	28.95 -1.74 -0.76	33.60 -1.92 -0.59	40.75 -2.29 -0.62	38.42 -2.19 -0.13	33.94 -2.24 -0.06	32.90 -1.69 -0.01	31.30 -1.10 0.00	28.78 -1.77 -0.03	28.80 -0.89 0.00
DUNKIRK___1 23563	24.90 -2.25 -0.33	24.18 -2.25 -0.24	23.05 -2.17 -0.27	20.45 -1.70 -1.40	20.74 -1.57 -1.40	21.11 -1.43 -1.22	25.66 -1.86 -0.60	26.09 -2.07 -0.52	24.85 -2.05 -0.57	24.11 -2.04 -0.37	26.00 -1.60 0.00	26.40 -1.80 -0.03	25.95 -2.09 -0.19	26.85 -2.11 -0.06	27.70 -2.04 -0.19	28.95 -1.74 -0.76	33.60 -1.92 -0.59	40.75 -2.29 -0.62	38.42 -2.19 -0.13	33.94 -2.24 -0.06	32.90 -1.69 -0.01	31.30 -1.10 0.00	28.78 -1.77 -0.03	28.80 -0.89 0.00
DUNKIRK___2 23564	24.90 -2.25 -0.33	24.18 -2.25 -0.24	23.05 -2.17 -0.27	20.45 -1.70 -1.40	20.74 -1.57 -1.40	21.11 -1.43 -1.22	25.66 -1.86 -0.60	26.09 -2.07 -0.52	24.85 -2.05 -0.57	24.11 -2.04 -0.37	26.00 -1.60 0.00	26.40 -1.80 -0.03	25.95 -2.09 -0.19	26.85 -2.11 -0.06	27.70 -2.04 -0.19	28.95 -1.74 -0.76	33.60 -1.92 -0.59	40.75 -2.29 -0.62	38.42 -2.19 -0.13	33.94 -2.24 -0.06	32.90 -1.69 -0.01	31.30 -1.10 0.00	28.78 -1.77 -0.03	28.80 -0.89 0.00
DUNKIRK___3 23565	24.91 -2.25 -0.33	24.18 -2.25 -0.24	23.08 -2.15 -0.27	20.43 -1.70 -1.38	20.72 -1.57 -1.38	21.07 -1.45 -1.20	25.63 -1.88 -0.59	26.06 -2.10 -0.51	24.81 -2.08 -0.56	24.08 -2.06 -0.37	26.00 -1.60 0.00	26.37 -1.83 -0.03	25.89 -2.14 -0.18	26.80 -2.17 -0.06	27.64 -2.10 -0.19	28.88 -1.80 -0.75	33.52 -1.99 -0.58	40.61 -2.42 -0.61	38.29 -2.31 -0.12	33.83 -2.35 -0.06	32.83 -1.76 -0.01	31.23 -1.17 0.00	28.69 -1.86 -0.03	28.71 -0.98 0.00
DUNKIRK___4 23566	24.91 -2.25 -0.33	24.18 -2.25 -0.24	23.08 -2.15 -0.27	20.43 -1.70 -1.38	20.72 -1.57 -1.38	21.07 -1.45 -1.20	25.63 -1.88 -0.59	26.06 -2.10 -0.51	24.81 -2.08 -0.56	24.08 -2.06 -0.37	26.00 -1.60 0.00	26.37 -1.83 -0.03	25.89 -2.14 -0.18	26.80 -2.17 -0.06	27.64 -2.10 -0.19	28.88 -1.80 -0.75	33.52 -1.99 -0.58	40.61 -2.42 -0.61	38.29 -2.31 -0.12	33.83 -2.35 -0.06	32.83 -1.76 -0.01	31.23 -1.17 0.00	28.69 -1.86 -0.03	28.71 -0.98 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	34.23 1.72 -5.68	31.77 1.60 -3.97	31.02 1.45 -4.62	30.25 1.22 -8.27	30.44 1.25 -8.27	29.86 1.32 -7.22	32.21 1.75 -3.53	33.24 1.88 -3.71	32.29 1.90 -4.07	30.25 1.83 -2.65	29.70 2.10 0.00	30.55 2.20 -0.19	31.36 2.20 -1.31	31.47 2.23 -0.34	33.17 2.27 -1.35	36.89 2.48 -4.48	41.93 2.79 -4.21	50.20 3.35 -4.42	44.54 3.20 -0.87	39.35 2.85 -0.38	37.34 2.70 -0.06	34.93 2.53 0.00	33.03 2.32 -0.19	31.63 1.93 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	33.98 1.56 -5.59	31.58 1.47 -3.91	30.85 1.35 -4.55	30.03 1.14 -8.14	30.20 1.15 -8.14	29.66 1.24 -7.11	32.02 1.62 -3.48	33.01 1.71 -3.65	32.04 1.71 -4.00	30.03 1.65 -2.61	29.48 1.88 0.00	30.27 1.92 -0.18	31.06 1.92 -1.29	31.21 1.97 -0.33	32.91 2.04 -1.33	36.61 2.27 -4.40	41.69 2.62 -4.14	49.96 3.18 -4.35	44.33 3.00 -0.85	39.13 2.64 -0.37	37.13 2.49 -0.06	34.70 2.30 0.00	32.78 2.08 -0.18	31.42 1.72 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	34.48 1.96 -5.69	32.01 1.83 -3.97	31.22 1.65 -4.62	30.39 1.37 -8.27	30.54 1.36 -8.27	29.91 1.36 -7.22	32.26 1.80 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.30 1.88 -2.65	29.78 2.18 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.23 2.33 -1.35	37.01 2.60 -4.48	42.00 2.86 -4.21	50.28 3.44 -4.42	44.62 3.28 -0.87	39.46 2.96 -0.38	37.40 2.77 -0.06	34.99 2.59 0.00	33.12 2.41 -0.19	31.87 2.17 -0.01
E179THST_13_KV_LOAD 356214	34.56 2.04 -5.69	32.11 1.94 -3.97	31.32 1.75 -4.62	30.45 1.43 -8.27	30.63 1.44 -8.27	29.97 1.43 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	42.18 3.04 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.99 2.29 -0.01
EAST HAMPTON___GT 23717	34.79 2.28 -5.68	32.03 1.86 -3.98	31.05 1.47 -4.62	30.35 1.33 -8.27	30.54 1.36 -8.27	30.14 1.60 -7.22	32.61 2.15 -3.53	33.40 2.05 -3.71	32.82 2.42 -4.07	30.56 2.14 -2.65	29.59 1.99 0.00	30.81 2.45 -0.19	31.36 2.20 -1.31	31.91 2.66 -0.35	33.69 2.78 -1.37	40.32 2.87 -7.52	44.97 3.32 -6.71	58.75 3.82 -12.50	52.26 3.60 -8.18	46.02 3.39 -6.51	42.48 3.01 -4.89	39.69 2.59 -4.69	33.22 2.50 -0.19	32.29 2.58 -0.01
EAST RIVER___6 23660	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.89 1.34 -7.22	32.26 1.80 -3.53	33.32 1.96 -3.71	32.37 1.98 -4.07	30.36 1.93 -2.65	29.83 2.23 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.73 2.49 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	41.47 2.93 -3.60	49.47 3.52 -3.52	43.74 3.32 0.06	39.26 3.00 -0.14	37.30 2.66 -0.06	35.09 2.69 0.00	33.24 2.53 -0.19	31.80 2.11 0.00
EAST RIVER___7 23524	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.89 1.34 -7.22	32.26 1.80 -3.53	33.32 1.96 -3.71	32.37 1.98 -4.07	30.36 1.93 -2.65	29.83 2.23 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.73 2.49 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	41.47 2.93 -3.60	49.47 3.52 -3.52	43.74 3.32 0.06	39.26 3.00 -0.14	37.30 2.66 -0.06	35.09 2.69 0.00	33.24 2.53 -0.19	31.80 2.11 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	34.17 1.66 -5.68	31.72 1.55 -3.97	30.97 1.40 -4.62	30.22 1.20 -8.26	30.39 1.21 -8.26	29.81 1.28 -7.22	32.15 1.70 -3.53	33.18 1.82 -3.71	32.18 1.79 -4.06	30.17 1.75 -2.65	29.61 2.01 0.00	30.44 2.08 -0.19	31.25 2.09 -1.31	31.36 2.11 -0.34	33.05 2.16 -1.35	36.80 2.39 -4.47	41.83 2.69 -4.20	50.06 3.22 -4.42	44.42 3.08 -0.87	39.21 2.71 -0.38	37.23 2.59 -0.06	34.80 2.40 0.00	32.90 2.20 -0.19	31.54 1.84 0.00
EAST_HAMPTON___DIESEL 23722	34.74 2.23 -5.68	31.98 1.81 -3.98	31.00 1.42 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	30.08 1.54 -7.22	32.53 2.07 -3.53	33.35 1.99 -3.71	32.74 2.34 -4.07	30.51 2.09 -2.65	29.50 1.90 0.00	30.75 2.39 -0.19	31.31 2.14 -1.31	31.86 2.60 -0.35	33.60 2.69 -1.37	40.26 2.81 -7.52	44.86 3.21 -6.71	58.62 3.69 -12.50	52.14 3.48 -8.18	45.91 3.29 -6.51	42.38 2.91 -4.89	39.59 2.49 -4.69	33.13 2.41 -0.19	32.20 2.49 -0.01
EAST_POINT___SOLAR 323840	35.70 1.72 -7.16	32.88 1.68 -5.01	32.29 1.52 -5.82	32.48 1.31 -10.42	32.67 1.34 -10.42	31.80 1.38 -9.10	33.21 1.83 -4.45	34.14 1.82 -4.68	33.35 1.90 -5.12	30.48 1.36 -3.34	28.81 1.21 0.00	29.48 1.07 -0.23	30.23 0.72 -1.65	30.52 1.19 -0.43	32.61 1.36 -1.70	37.58 2.01 -5.64	43.17 2.93 -5.30	51.77 3.77 -5.57	45.05 3.48 -1.09	39.63 3.03 -0.48	37.59 2.94 -0.07	35.09 2.69 0.00	33.10 2.35 -0.23	31.68 1.99 0.00
EAST_PULASKI___ESR 323781	25.45 -0.38 1.00	24.62 -0.39 1.19	23.50 -0.37 1.08	19.90 -0.31 0.54	20.05 -0.31 0.55	20.32 -0.34 0.66	25.36 -0.40 1.16	26.54 -0.39 0.71	24.70 -0.42 1.20	24.07 -0.41 1.29	25.47 -0.53 1.61	26.06 -0.54 1.58	25.85 -0.53 1.47	26.78 -0.52 1.61	27.47 -0.50 1.57	28.74 -0.54 0.66	34.75 -0.52 -0.34	42.10 -0.68 -0.36	39.90 -0.65 -0.07	35.64 -0.51 -0.03	34.17 -0.41 0.00	31.91 -0.49 0.00	30.02 -0.52 -0.01	29.31 -0.39 0.00
EAST_RIVER___1 323558	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.93 1.38 -7.22	32.31 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.73 2.49 -0.34	33.32 2.42 -1.35	37.04 2.63 -4.48	41.47 2.93 -3.60	49.47 3.52 -3.52	43.78 3.36 0.06	39.26 3.00 -0.14	37.34 2.70 -0.06	35.06 2.66 0.00	33.21 2.50 -0.19	31.77 2.08 0.00
EAST_RIVER___2 323559	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.89 1.34 -7.22	32.26 1.80 -3.53	33.32 1.96 -3.71	32.37 1.98 -4.07	30.36 1.93 -2.65	29.83 2.23 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.73 2.49 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	41.47 2.93 -3.60	49.47 3.52 -3.52	43.74 3.32 0.06	39.26 3.00 -0.14	37.30 2.66 -0.06	35.09 2.69 0.00	33.24 2.53 -0.19	31.80 2.11 0.00
EAST___DELAWARE_HYD 23607	33.68 1.69 -5.16	31.41 1.60 -3.61	30.62 1.47 -4.20	29.51 1.24 -7.51	29.70 1.28 -7.51	29.23 1.34 -6.56	31.88 1.75 -3.21	32.90 1.88 -3.37	31.86 1.84 -3.69	29.93 1.75 -2.41	29.59 1.99 0.00	30.31 1.97 -0.17	31.05 2.01 -1.19	31.35 2.14 -0.31	32.90 2.13 -1.23	36.42 2.42 -4.07	41.65 2.90 -3.82	50.00 3.56 -4.02	44.54 3.28 -0.79	39.43 2.96 -0.34	37.33 2.70 -0.05	34.93 2.53 0.00	32.95 2.26 -0.17	31.60 1.90 0.00
EIGHT_POINT___WT_PWR 323820	24.30 -2.33 0.19	23.75 -2.33 0.12	22.66 -2.15 0.15	20.76 -1.74 -1.75	21.03 -1.63 -1.75	21.31 -1.54 -1.53	25.87 -1.80 -0.75	26.58 -1.80 -0.73	25.26 -1.87 -0.80	24.47 -1.83 -0.53	26.25 -1.35 0.00	26.46 -1.75 -0.04	26.16 -1.95 -0.26	27.44 -1.53 -0.07	28.13 -1.68 -0.27	29.62 -1.26 -0.95	34.54 -1.22 -0.83	42.15 -1.14 -0.87	39.56 -1.09 -0.17	35.15 -1.05 -0.08	34.39 -0.21 -0.01	32.14 -0.26 0.00	29.58 -0.98 -0.04	29.52 -0.18 0.00
ELBRIDGE_115KV_TB2 80188	27.30 -0.19 -0.65	26.47 -0.18 -0.46	25.31 -0.17 -0.53	21.56 -0.15 -0.95	21.74 -0.13 -0.95	22.04 -0.11 -0.83	27.20 -0.13 -0.41	27.96 -0.11 -0.43	26.67 -0.13 -0.47	25.95 -0.13 -0.31	27.41 -0.19 0.00	28.00 -0.20 -0.02	27.78 -0.22 -0.15	28.74 -0.20 -0.04	29.49 -0.21 -0.16	30.21 -0.24 -0.52	35.17 -0.24 -0.48	42.64 -0.24 -0.51	40.21 -0.30 -0.10	35.80 -0.36 -0.04	34.24 -0.35 -0.01	32.07 -0.32 0.00	30.15 -0.40 -0.02	29.49 -0.21 0.00
ELEC_TRO_TEK 24086	34.55 2.04 -5.68	31.93 1.76 -3.98	31.10 1.52 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.99 1.45 -7.22	32.42 1.97 -3.53	33.35 1.99 -3.71	32.53 2.13 -4.07	30.41 1.98 -2.65	29.84 2.24 0.00	30.78 2.42 -0.19	31.53 2.37 -1.31	31.81 2.54 -0.36	33.40 2.48 -1.37	42.15 2.72 -9.49	46.22 2.93 -8.36	63.69 3.48 -17.79	56.72 3.28 -12.96	49.64 3.00 -10.52	45.49 2.87 -8.04	42.89 2.72 -7.77	33.29 2.56 -0.20	31.94 2.23 -0.02



ELLENBURG_WT_PWR 323604	2.89 -2.95 20.99	1.46 -2.93 21.80	1.09 -2.92 20.94	1.00 -2.43 17.32	0.94 -2.51 17.46	0.89 -2.62 17.80	2.72 -3.29 20.92	9.64 -3.40 14.60	0.93 -3.29 22.11	0.88 -3.22 21.67	0.94 -3.42 23.24	1.72 -3.38 23.07	1.75 -3.29 22.81	1.74 -3.44 23.72	1.74 -3.52 24.29	11.69 -3.62 14.62	31.00 -4.02 -0.09	37.72 -4.79 -0.09	36.61 -3.89 -0.02	33.27 -2.85 -0.01	31.85 -2.73 0.00	29.61 -2.79 0.00	28.54 -1.98 0.00	27.65 -2.05 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	24.99 -2.17 -0.34	24.27 -2.17 -0.24	23.13 -2.10 -0.28	20.45 -1.64 -1.34	20.72 -1.53 -1.34	21.06 -1.43 -1.17	25.64 -1.86 -0.57	25.95 -2.18 -0.49	24.73 -2.13 -0.53	24.03 -2.09 -0.35	25.78 -1.82 0.00	26.23 -1.97 -0.03	25.82 -2.20 -0.18	26.71 -2.25 -0.05	27.54 -2.19 -0.18	28.74 -1.92 -0.72	33.25 -2.24 -0.55	40.20 -2.80 -0.58	37.84 -2.75 -0.12	33.43 -2.75 -0.06	32.31 -2.28 -0.01	30.75 -1.65 0.00	28.38 -2.17 -0.03	28.36 -1.34 0.00
EMPIRE_CC_1 323656	33.89 0.80 -6.26	31.36 0.79 -4.38	30.79 0.75 -5.09	30.46 0.60 -9.11	30.63 0.61 -9.11	29.94 0.66 -7.96	31.62 0.81 -3.89	32.45 0.72 -4.09	31.52 0.71 -4.48	29.41 0.72 -2.92	28.40 0.80 0.00	29.19 0.82 -0.20	30.07 0.78 -1.45	30.15 0.87 -0.37	31.89 0.86 -1.49	35.79 0.93 -4.93	40.62 1.05 -4.64	48.57 1.27 -4.87	42.69 1.26 -0.96	37.66 1.12 -0.42	35.65 1.00 -0.06	33.50 1.10 0.00	31.79 1.07 -0.20	30.50 0.80 0.00
EMPIRE_CC_2 323658	33.89 0.80 -6.26	31.36 0.79 -4.38	30.79 0.75 -5.09	30.46 0.60 -9.11	30.63 0.61 -9.11	29.94 0.66 -7.96	31.62 0.81 -3.89	32.45 0.72 -4.09	31.52 0.71 -4.48	29.41 0.72 -2.92	28.40 0.80 0.00	29.19 0.82 -0.20	30.07 0.78 -1.45	30.15 0.87 -0.37	31.89 0.86 -1.49	35.79 0.93 -4.93	40.62 1.05 -4.64	48.57 1.27 -4.87	42.69 1.26 -0.96	37.66 1.12 -0.42	35.65 1.00 -0.06	33.50 1.10 0.00	31.79 1.07 -0.20	30.50 0.80 0.00
ENORWICH_115KV_TB1 80156	31.27 1.50 -2.94	29.74 1.49 -2.05	28.78 1.45 -2.38	25.11 1.29 -3.07	25.30 1.32 -3.07	25.36 1.36 -2.68	30.12 1.88 -1.31	31.11 2.10 -1.36	29.77 1.95 -1.50	28.45 1.70 -0.98	29.56 1.96 0.00	30.10 1.86 -0.07	30.17 1.84 -0.48	31.09 2.05 -0.13	31.93 1.89 -0.50	33.90 2.30 -1.66	39.55 3.07 -1.55	47.95 3.90 -1.63	44.60 3.80 -0.32	39.76 3.50 -0.14	37.99 3.39 -0.02	35.38 2.98 0.00	33.06 2.47 -0.07	32.25 2.55 0.00
ERIE_ST_34_KV_TB1-2 80199	24.84 -2.33 -0.35	24.17 -2.28 -0.25	23.07 -2.17 -0.29	20.27 -1.87 -1.38	20.54 -1.76 -1.38	20.86 -1.66 -1.21	25.39 -2.13 -0.59	25.98 -2.18 -0.52	24.65 -2.24 -0.56	23.92 -2.22 -0.37	26.52 -1.08 0.00	26.48 -1.72 -0.03	25.72 -2.31 -0.19	26.62 -2.34 -0.06	27.34 -2.39 -0.19	28.59 -2.10 -0.75	33.18 -2.34 -0.58	40.32 -2.72 -0.61	38.01 -2.59 -0.12	33.65 -2.53 -0.06	33.28 -1.31 -0.01	31.59 -0.81 0.00	28.54 -2.01 -0.03	29.04 -0.65 0.00
ERIE_WT_PWR 323693	25.00 -2.17 -0.34	24.29 -2.15 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.06 -1.45 -1.19	25.62 -1.89 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.05 -2.09 -0.36	26.00 -1.60 0.00	26.26 -1.94 -0.03	25.86 -2.17 -0.18	27.11 -1.85 -0.05	27.58 -2.16 -0.19	28.82 -1.86 -0.74	33.37 -2.13 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.76 -2.42 -0.06	33.28 -1.31 -0.01	31.07 -1.33 0.00	28.39 -2.17 -0.03	28.63 -1.07 0.00
ESPRGFLD_115KV_TB1 80157	28.46 1.21 -0.42	27.70 1.21 -0.29	26.41 1.12 -0.34	22.33 0.98 -0.61	22.52 1.00 -0.61	22.83 0.98 -0.53	28.53 1.35 -0.26	29.32 1.41 -0.27	28.02 1.40 -0.29	27.15 1.19 -0.19	28.92 1.32 0.00	29.45 1.27 -0.01	29.11 1.17 -0.10	30.20 1.27 -0.02	30.94 1.30 -0.10	31.91 1.65 -0.33	37.44 2.20 -0.30	45.54 2.80 -0.32	43.17 2.63 -0.06	38.46 2.31 -0.03	36.80 2.21 0.00	34.41 2.01 0.00	32.21 1.68 -0.01	31.24 1.54 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	30.43 0.30 -3.30	28.78 0.29 -2.29	27.95 0.32 -2.67	23.00 0.27 -1.98	23.18 0.29 -1.98	23.37 0.32 -1.73	28.20 0.43 -0.85	29.07 0.55 -0.88	27.76 0.47 -0.96	26.81 0.41 -0.63	28.07 0.47 0.00	28.64 0.42 -0.04	28.52 0.36 -0.31	29.39 0.40 -0.08	30.28 0.41 -0.32	31.57 0.57 -1.07	36.69 0.77 -0.99	44.53 1.06 -1.04	41.61 0.93 -0.21	37.00 0.79 -0.09	35.43 0.83 -0.01	33.14 0.75 0.00	31.02 0.46 -0.04	30.29 0.59 0.00
ETNA____115KV_TB2 80207	30.43 0.30 -3.30	28.78 0.29 -2.29	27.95 0.32 -2.67	23.00 0.27 -1.98	23.18 0.29 -1.98	23.37 0.32 -1.73	28.20 0.43 -0.85	29.07 0.55 -0.88	27.76 0.47 -0.96	26.81 0.41 -0.63	28.07 0.47 0.00	28.64 0.42 -0.04	28.52 0.36 -0.31	29.39 0.40 -0.08	30.28 0.41 -0.32	31.57 0.57 -1.07	36.69 0.77 -0.99	44.53 1.06 -1.04	41.61 0.93 -0.21	37.00 0.79 -0.09	35.43 0.83 -0.01	33.14 0.75 0.00	31.02 0.46 -0.04	30.29 0.59 0.00
EUCLID____115KV_TB2 356179	26.61 -0.32 -0.10	25.82 -0.31 0.07	24.66 -0.30 -0.01	20.91 -0.25 -0.41	21.07 -0.25 -0.41	21.39 -0.23 -0.31	26.51 -0.32 0.09	27.39 -0.30 -0.05	25.95 -0.32 0.07	25.28 -0.31 0.19	26.76 -0.39 0.46	27.34 -0.39 0.44	27.13 -0.39 0.33	28.09 -0.38 0.44	28.80 -0.38 0.36	29.60 -0.45 -0.12	34.79 -0.52 -0.38	42.15 -0.68 -0.40	39.87 -0.69 -0.08	35.47 -0.69 -0.03	33.93 -0.66 -0.01	31.82 -0.58 0.00	29.93 -0.61 -0.02	29.25 -0.45 0.00
E_CANADA_CAP_HY 24051	35.65 1.39 -7.43	32.79 1.39 -5.20	32.24 1.25 -6.04	32.65 1.08 -10.82	32.84 1.11 -10.82	31.89 1.13 -9.45	33.05 1.51 -4.62	33.99 1.49 -4.85	33.15 1.50 -5.32	30.40 1.16 -3.47	28.76 1.16 0.00	29.54 1.13 -0.24	30.51 0.95 -1.72	30.54 1.19 -0.44	32.58 1.27 -1.77	37.43 1.65 -5.85	42.78 2.34 -5.50	51.26 3.06 -5.79	44.44 2.83 -1.13	39.07 2.46 -0.50	37.04 2.38 -0.07	34.63 2.23 0.00	32.69 1.92 -0.24	31.36 1.66 0.00
E_CANADA_MHWK_HY 24050	26.81 -0.11 -0.08	26.15 -0.10 -0.06	24.90 -0.12 -0.07	20.77 -0.10 -0.12	20.93 -0.10 -0.12	21.32 -0.11 -0.11	26.87 -0.11 -0.05	27.62 -0.08 -0.05	26.31 -0.08 -0.06	25.71 -0.10 -0.04	27.52 -0.08 0.00	28.09 -0.08 0.00	27.78 -0.08 -0.02	28.85 -0.06 -0.01	29.47 -0.09 -0.02	29.91 -0.09 -0.07	35.03 0.03 -0.06	42.57 0.09 -0.07	40.65 0.16 -0.01	36.41 0.29 -0.01	34.89 0.31 0.00	32.69 0.29 0.00	30.95 0.43 0.00	30.14 0.45 0.00
E_FISHKILL____LBMP 23776	34.05 1.48 -5.74	31.58 1.36 -4.02	30.87 1.25 -4.67	30.16 1.06 -8.35	30.33 1.07 -8.35	29.75 1.13 -7.30	31.98 1.48 -3.57	33.00 1.60 -3.75	32.02 1.58 -4.11	30.00 1.55 -2.68	29.37 1.77 0.00	30.16 1.80 -0.19	30.98 1.81 -1.33	31.10 1.85 -0.34	32.80 1.89 -1.37	36.55 2.10 -4.52	41.52 2.34 -4.25	49.69 2.80 -4.47	44.03 2.67 -0.88	38.89 2.38 -0.38	36.92 2.28 -0.06	34.50 2.11 0.00	32.63 1.92 -0.19	31.27 1.57 0.00
FALCON____SEABRD_CC1 323796	3.21 -2.68 20.94	1.78 -2.67 21.75	1.37 -2.70 20.89	1.23 -2.24 17.28	1.19 -2.30 17.42	1.15 -2.41 17.76	3.07 -2.99 20.87	9.98 -3.10 14.57	1.24 -3.03 22.06	1.21 -2.94 21.62	1.29 -3.12 23.19	2.09 -3.07 23.02	2.12 -2.98 22.75	2.12 -3.12 23.67	2.12 -3.19 24.23	12.05 -3.29 14.59	31.39 -3.63 -0.09	38.19 -4.33 -0.09	37.06 -3.44 -0.02	33.67 -2.46 -0.01	32.27 -2.32 0.00	30.00 -2.40 0.00	28.88 -1.65 0.00	27.97 -1.72 0.00



FALCON___SEABRD_CC2 323797	3.21 -2.68 20.94	1.78 -2.67 21.75	1.37 -2.70 20.89	1.23 -2.24 17.28	1.19 -2.30 17.42	1.15 -2.41 17.76	3.07 -2.99 20.87	9.98 -3.10 14.57	1.24 -3.03 22.06	1.21 -2.94 21.62	1.29 -3.12 23.19	2.09 -3.07 23.02	2.12 -2.98 22.75	2.12 -3.12 23.67	2.12 -3.19 24.23	12.05 -3.29 14.59	31.39 -3.63 -0.09	38.19 -4.33 -0.09	37.06 -3.44 -0.02	33.67 -2.46 -0.01	32.27 -2.32 0.00	30.00 -2.40 0.00	28.88 -1.65 0.00	27.97 -1.72 0.00
FAR ROCKAWAY___4 23548	34.87 2.36 -5.68	32.22 2.04 -3.98	31.35 1.77 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.23 1.68 -7.22	32.72 2.26 -3.53	33.62 2.27 -3.71	32.82 2.42 -4.07	30.67 2.24 -2.65	30.14 2.54 0.00	31.09 2.73 -0.19	31.83 2.67 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	42.05 3.08 -9.04	46.34 3.42 -7.98	63.04 4.03 -16.58	56.19 3.85 -11.87	49.19 3.47 -9.61	45.25 3.35 -7.32	42.64 3.18 -7.07	33.68 2.96 -0.20	32.32 2.61 -0.01
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.34 1.88 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.71 3.36 -0.87	39.53 3.03 -0.38	37.47 2.84 -0.06	35.09 2.69 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	34.36 1.85 -5.68	31.93 1.76 -3.97	31.14 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.34 1.88 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.75 3.40 -0.87	39.53 3.03 -0.38	37.51 2.87 -0.06	35.09 2.69 0.00	33.21 2.50 -0.19	31.83 2.14 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.33 1.31 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.86 2.26 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
FARRAGUT___LBMP 323566	34.34 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.65 2.40 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
FENNER___WINDPWR 24204	27.74 0.35 -0.56	26.75 0.34 -0.21	25.63 0.32 -0.36	21.66 0.29 -0.62	21.82 0.29 -0.61	22.11 0.32 -0.47	27.30 0.46 0.08	28.27 0.52 -0.10	26.73 0.45 0.05	25.94 0.39 0.22	27.42 0.41 0.60	28.00 0.39 0.57	27.85 0.42 0.42	28.83 0.49 0.56	29.54 0.44 0.45	30.67 0.54 -0.20	36.21 0.73 -0.54	43.92 0.93 -0.57	41.48 0.89 -0.11	37.03 0.87 -0.05	35.45 0.86 -0.01	33.08 0.68 0.00	31.06 0.52 -0.02	30.32 0.62 0.00
FIBERTEK___ENERGY 23856	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 -0.02	29.61 -0.09 0.00
FITZPATRICK____ 23598	26.55 -0.64 -0.36	25.82 -0.63 -0.25	24.65 -0.60 -0.29	20.76 -0.52 -0.53	20.92 -0.52 -0.53	21.25 -0.53 -0.46	26.48 -0.67 -0.22	27.19 -0.69 -0.24	25.90 -0.68 -0.26	25.27 -0.67 -0.17	26.80 -0.80 0.00	27.39 -0.79 -0.01	27.15 -0.78 -0.08	28.09 -0.84 -0.02	28.80 -0.83 -0.09	29.26 -0.96 -0.28	34.05 -1.15 -0.27	41.31 -1.40 -0.28	39.16 -1.38 -0.06	34.88 -1.27 -0.02	33.41 -1.18 0.00	31.26 -1.13 0.00	29.49 -1.04 -0.01	28.86 -0.83 0.00
FLOWRFLD_69_KV_BK1 356044	34.98 2.47 -5.68	32.27 2.10 -3.98	31.35 1.77 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.31 1.77 -7.22	32.80 2.34 -3.53	33.65 2.29 -3.71	32.92 2.53 -4.07	30.77 2.35 -2.65	30.17 2.57 0.00	31.20 2.85 -0.19	31.86 2.70 -1.31	32.23 2.98 -0.35	33.99 3.07 -1.37	40.82 3.35 -7.53	45.39 3.74 -6.72	59.37 4.41 -12.54	52.86 4.17 -8.21	46.45 3.79 -6.54	43.12 3.63 -4.91	40.48 3.37 -4.71	33.83 3.11 -0.19	32.38 2.67 -0.01
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	34.21 1.69 -5.69	31.78 1.60 -3.98	31.03 1.45 -4.63	30.25 1.22 -8.28	30.45 1.25 -8.28	29.89 1.34 -7.23	32.19 1.72 -3.54	33.21 1.85 -3.72	32.22 1.82 -4.07	30.18 1.75 -2.66	29.61 2.01 0.00	30.39 2.03 -0.19	31.22 2.06 -1.31	31.36 2.11 -0.34	33.11 2.22 -1.35	36.87 2.45 -4.48	41.97 2.83 -4.21	50.29 3.44 -4.43	44.54 3.20 -0.87	39.35 2.85 -0.38	37.34 2.70 -0.06	34.89 2.49 0.00	32.93 2.23 -0.19	31.57 1.87 0.00
FORT ORANGE____ 23900	33.81 0.59 -6.40	31.22 0.55 -4.47	30.65 0.50 -5.20	30.47 0.41 -9.31	30.64 0.42 -9.31	29.94 0.49 -8.13	31.49 0.59 -3.98	32.38 0.55 -4.18	31.52 0.61 -4.58	29.33 0.57 -2.99	28.29 0.69 0.00	29.06 0.68 -0.21	29.94 0.61 -1.48	30.01 0.72 -0.38	31.77 0.71 -1.52	35.69 0.72 -5.04	40.58 0.91 -4.74	48.59 1.19 -4.98	42.55 1.09 -0.98	37.56 1.01 -0.43	35.54 0.90 -0.06	33.30 0.91 0.00	31.62 0.89 -0.21	30.29 0.59 0.00
FORT_DRUM_COGEN 23780	21.85 -0.83 4.15	20.97 -0.81 4.42	19.93 -0.82 4.20	16.85 -0.66 3.23	16.94 -0.71 3.26	17.18 -0.75 3.39	21.83 -0.83 4.25	23.97 -0.77 2.90	20.95 -0.90 4.48	20.25 -1.06 4.46	21.42 -1.24 4.94	22.04 -1.24 4.89	21.93 -1.14 4.78	22.78 -1.10 5.02	23.30 -1.15 5.09	26.05 -1.02 2.87	34.41 -0.77 -0.25	41.88 -0.81 -0.26	40.00 -0.53 -0.05	36.18 0.04 -0.02	34.52 -0.07 0.00	32.07 -0.32 0.00	30.20 -0.34 -0.01	29.34 -0.36 0.00
FOX_HILLS___ESR 323835	34.67 2.15 -5.69	32.19 2.02 -3.97	31.39 1.82 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.43 2.07 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.92 2.32 0.00	30.86 2.51 -0.19	31.70 2.53 -1.31	31.82 2.57 -0.34	33.44 2.54 -1.35	37.25 2.84 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.72 3.08 -0.06	35.31 2.92 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
FPL FAR_ROCK_GT1 24212	34.87 2.36 -5.68	32.22 2.04 -3.98	31.32 1.75 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.23 1.68 -7.22	32.72 2.26 -3.53	33.62 2.27 -3.71	32.82 2.42 -4.07	30.66 2.24 -2.65	30.14 2.54 0.00	31.09 2.73 -0.19	31.78 2.62 -1.31	32.21 2.95 -0.35	33.75 2.84 -1.37	42.08 3.11 -9.04	46.34 3.43 -7.98	63.04 4.03 -16.58	56.19 3.85 -11.87	49.23 3.50 -9.61	45.11 3.22 -7.32	42.61 3.14 -7.07	33.68 2.96 -0.20	32.29 2.58 -0.01



FPL_FAR_ROCK_GT2 23815	34.87 2.36 -5.68	32.22 2.04 -3.98	31.32 1.75 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.23 1.68 -7.22	32.72 2.26 -3.53	33.62 2.27 -3.71	32.82 2.42 -4.07	30.66 2.24 -2.65	30.14 2.54 0.00	31.09 2.73 -0.19	31.78 2.62 -1.31	32.21 2.95 -0.35	33.75 2.84 -1.37	42.08 3.11 -9.04	46.34 3.43 -7.98	63.04 4.03 -16.58	56.19 3.85 -11.87	49.23 3.50 -9.61	45.11 3.22 -7.32	42.61 3.14 -7.07	33.68 2.96 -0.20	32.29 2.58 -0.01
FRANKLIN_FALL_HYD 24054	4.62 -2.60 19.60	3.26 -2.57 20.37	2.80 -2.59 19.56	2.45 -2.14 16.17	2.42 -2.20 16.29	2.42 -2.28 16.62	4.58 -2.80 19.55	11.16 -2.85 13.64	2.85 -2.82 20.66	2.76 -2.76 20.25	2.94 -2.93 21.73	3.73 -2.87 21.57	3.74 -2.78 21.32	3.84 -2.89 22.18	3.83 -3.01 22.70	13.16 -3.11 13.66	31.57 -3.46 -0.10	38.41 -4.11 -0.10	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.51 -2.07 0.00	30.13 -2.27 0.00	28.97 -1.56 0.00	28.00 -1.69 0.00
FREEPORT_EQUS_GT1 23764	34.71 2.20 -5.68	32.09 1.91 -3.98	31.17 1.60 -4.62	30.39 1.37 -8.27	30.61 1.42 -8.27	30.12 1.58 -7.22	32.56 2.10 -3.53	33.46 2.10 -3.71	32.68 2.29 -4.07	30.54 2.11 -2.65	29.97 2.37 0.00	30.95 2.59 -0.19	31.61 2.45 -1.31	32.06 2.80 -0.35	33.63 2.72 -1.37	41.27 2.96 -8.38	45.61 3.25 -7.43	61.05 3.82 -14.81	54.39 3.64 -10.26	47.70 3.32 -8.26	43.89 3.04 -6.26	41.41 2.98 -6.04	33.52 2.81 -0.20	32.14 2.44 -0.01
FREEPORT___CT2 23818	34.71 2.20 -5.68	32.09 1.91 -3.98	31.17 1.60 -4.62	30.39 1.37 -8.27	30.61 1.42 -8.27	30.12 1.58 -7.22	32.56 2.10 -3.53	33.46 2.10 -3.71	32.68 2.29 -4.07	30.54 2.11 -2.65	29.97 2.37 0.00	30.95 2.59 -0.19	31.61 2.45 -1.31	32.06 2.80 -0.35	33.63 2.72 -1.37	41.27 2.96 -8.38	45.61 3.25 -7.43	61.05 3.82 -14.81	54.39 3.64 -10.26	47.70 3.32 -8.26	43.89 3.04 -6.26	41.41 2.98 -6.04	33.52 2.81 -0.20	32.14 2.44 -0.01
FRESHKLS_33_KV_LOAD 356253	34.69 2.17 -5.69	32.22 2.04 -3.97	31.42 1.85 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.10 1.56 -7.22	32.48 2.02 -3.53	33.43 2.07 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.92 2.32 0.00	30.86 2.51 -0.19	31.67 2.51 -1.31	31.79 2.54 -0.34	33.44 2.54 -1.35	37.25 2.84 -4.48	42.35 3.21 -4.42	50.79 3.95 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.51 2.81 -0.19	32.20 2.49 -0.01
FULTON COGEN____ 23766	26.42 -0.38 0.03	25.63 -0.37 0.20	24.48 -0.35 0.12	20.73 -0.31 -0.29	20.88 -0.31 -0.28	21.20 -0.30 -0.18	26.33 -0.38 0.22	27.24 -0.36 0.04	25.76 -0.37 0.20	25.10 -0.36 0.31	26.58 -0.44 0.58	27.16 -0.45 0.56	26.95 -0.45 0.46	27.91 -0.43 0.56	28.61 -0.44 0.49	29.42 -0.54 -0.02	34.67 -0.63 -0.37	42.05 -0.76 -0.39	39.79 -0.77 -0.08	35.39 -0.76 -0.03	33.83 -0.76 0.00	31.72 -0.68 0.00	29.84 -0.70 -0.02	29.16 -0.53 0.00
FULTON___LFGE 323630	35.42 1.50 -7.09	32.62 1.47 -4.96	32.06 1.35 -5.77	32.21 1.14 -10.32	32.40 1.17 -10.32	31.54 1.21 -9.01	32.92 1.59 -4.41	33.85 1.57 -4.63	32.98 1.58 -5.07	30.34 1.26 -3.31	28.90 1.30 0.00	29.64 1.24 -0.23	30.63 1.14 -1.64	30.69 1.36 -0.42	32.71 1.48 -1.69	37.34 1.83 -5.58	42.70 2.52 -5.25	51.16 3.22 -5.52	44.56 3.00 -1.08	39.19 2.60 -0.47	37.18 2.52 -0.07	34.73 2.33 0.00	32.80 2.05 -0.23	31.45 1.75 0.00
G.F.CEMENT___DRP 24184	34.68 1.26 -6.58	32.04 1.23 -4.61	31.38 1.07 -5.36	31.25 0.91 -9.58	31.44 0.94 -9.58	30.69 1.00 -8.37	32.31 1.29 -4.10	33.22 1.27 -4.30	32.36 1.32 -4.72	30.03 1.19 -3.08	28.87 1.27 0.00	29.51 1.13 -0.21	30.46 1.09 -1.52	30.46 1.16 -0.39	32.41 1.30 -1.57	36.53 1.41 -5.19	41.63 1.82 -4.88	49.84 2.29 -5.13	43.59 2.10 -1.01	38.36 1.81 -0.44	36.48 1.83 -0.07	33.99 1.59 0.00	32.93 2.20 -0.21	31.54 1.84 0.00
GARDENVILLE___LBMP 24039	24.96 -2.20 -0.33	24.24 -2.20 -0.24	23.10 -2.12 -0.27	20.43 -1.68 -1.36	20.71 -1.57 -1.36	21.06 -1.45 -1.19	25.59 -1.91 -0.58	25.99 -2.16 -0.50	24.72 -2.16 -0.55	24.02 -2.11 -0.36	25.89 -1.71 0.00	26.29 -1.92 -0.03	25.80 -2.23 -0.18	26.71 -2.25 -0.06	27.51 -2.22 -0.19	28.76 -1.92 -0.74	33.30 -2.20 -0.57	40.31 -2.72 -0.60	37.97 -2.63 -0.12	33.54 -2.64 -0.06	32.52 -2.07 -0.01	30.94 -1.46 0.00	28.45 -2.11 -0.03	28.51 -1.19 0.00
GARDNVLA_35_KV_LD 355827	25.05 -2.12 -0.34	24.32 -2.12 -0.24	23.19 -2.05 -0.28	20.50 -1.62 -1.37	20.77 -1.51 -1.37	21.10 -1.41 -1.19	25.68 -1.83 -0.58	26.08 -2.07 -0.51	24.83 -2.05 -0.55	24.10 -2.04 -0.36	26.05 -1.55 0.00	26.40 -1.80 -0.03	25.91 -2.12 -0.18	26.79 -2.17 -0.06	27.63 -2.10 -0.19	28.88 -1.80 -0.74	33.45 -2.06 -0.57	40.48 -2.55 -0.60	38.13 -2.47 -0.12	33.68 -2.49 -0.06	32.72 -1.87 -0.01	31.10 -1.30 0.00	28.57 -1.98 -0.03	28.66 -1.04 0.00
GELCKHM___115KV_LOAD 80723	26.78 -0.21 -0.16	25.94 -0.24 0.02	24.81 -0.20 -0.06	21.05 -0.19 -0.48	21.22 -0.17 -0.48	21.54 -0.15 -0.37	26.66 -0.22 0.05	27.54 -0.19 -0.09	26.10 -0.21 0.02	25.44 -0.18 0.15	26.89 -0.28 0.43	27.48 -0.28 0.41	27.30 -0.25 0.30	28.24 -0.26 0.41	28.99 -0.24 0.32	29.80 -0.30 -0.16	35.00 -0.35 -0.41	42.43 -0.42 -0.43	40.08 -0.49 -0.08	35.65 -0.51 -0.04	34.10 -0.48 -0.01	31.98 -0.42 0.00	30.05 -0.49 -0.02	29.40 -0.30 0.00
GENERAL___MILLS 23808	25.00 -2.17 -0.34	24.27 -2.17 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.08 -1.43 -1.19	25.62 -1.88 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.07 -2.06 -0.36	26.00 -1.60 0.00	26.34 -1.86 -0.03	25.86 -2.17 -0.18	26.74 -2.23 -0.06	27.57 -2.16 -0.19	28.79 -1.89 -0.74	33.34 -2.17 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.61 -2.56 -0.06	32.65 -1.94 -0.01	31.07 -1.33 0.00	28.54 -2.01 -0.03	28.63 -1.07 0.00
GE_PLASTICS___DRP 24183	33.78 0.56 -6.39	31.22 0.55 -4.47	30.67 0.52 -5.20	30.49 0.44 -9.30	30.65 0.44 -9.30	29.91 0.47 -8.12	31.49 0.59 -3.98	32.38 0.55 -4.18	31.48 0.58 -4.58	29.35 0.59 -2.99	28.29 0.69 0.00	29.08 0.70 -0.21	29.99 0.67 -1.48	30.01 0.72 -0.38	31.77 0.71 -1.52	35.72 0.75 -5.03	40.54 0.87 -4.74	48.51 1.10 -4.98	42.51 1.05 -0.98	37.49 0.94 -0.43	35.58 0.93 -0.06	33.24 0.84 0.00	31.55 0.82 -0.21	30.26 0.56 0.00
GILBOA___1 23756	32.76 0.72 -5.20	30.60 0.76 -3.64	29.98 0.80 -4.23	29.01 0.68 -7.57	29.17 0.69 -7.57	28.51 0.58 -6.61	30.91 0.75 -3.24	31.81 0.77 -3.40	30.81 0.76 -3.72	28.97 0.77 -2.43	28.59 0.99 0.00	29.33 0.99 -0.17	30.00 0.95 -1.20	30.14 0.92 -0.31	31.70 0.92 -1.24	35.05 1.02 -4.10	39.97 1.19 -3.85	47.87 1.40 -4.05	42.61 1.33 -0.79	37.66 1.19 -0.35	35.74 1.11 -0.05	33.47 1.07 0.00	31.64 0.95 -0.17	30.50 0.80 0.00
GILBOA___2 23757	32.76 0.72 -5.20	30.60 0.76 -3.64	29.98 0.80 -4.23	29.01 0.68 -7.57	29.17 0.69 -7.57	28.51 0.58 -6.61	30.91 0.75 -3.24	31.81 0.77 -3.40	30.81 0.76 -3.72	28.97 0.77 -2.43	28.59 0.99 0.00	29.33 0.99 -0.17	30.00 0.95 -1.20	30.14 0.92 -0.31	31.70 0.92 -1.24	35.05 1.02 -4.10	39.97 1.19 -3.85	47.87 1.40 -4.05	42.61 1.33 -0.79	37.66 1.19 -0.35	35.74 1.11 -0.05	33.47 1.07 0.00	31.64 0.95 -0.17	30.50 0.80 0.00



GILBOA___3 23758	32.76 0.72 -5.20	30.60 0.76 -3.64	29.98 0.80 -4.23	29.01 0.68 -7.57	29.17 0.69 -7.57	28.51 0.58 -6.61	30.91 0.75 -3.24	31.81 0.77 -3.40	30.81 0.76 -3.72	28.97 0.77 -2.43	28.59 0.99 0.00	29.33 0.99 -0.17	30.00 0.95 -1.20	30.14 0.92 -0.31	31.70 0.92 -1.24	35.05 1.02 -4.10	39.97 1.19 -3.85	47.87 1.40 -4.05	42.61 1.33 -0.79	37.66 1.19 -0.35	35.74 1.11 -0.05	33.47 1.07 0.00	31.64 0.95 -0.17	30.50 0.80 0.00
GILBOA___4 23759	32.76 0.72 -5.20	30.60 0.76 -3.64	29.98 0.80 -4.23	29.01 0.68 -7.57	29.17 0.69 -7.57	28.51 0.58 -6.61	30.91 0.75 -3.24	31.81 0.77 -3.40	30.81 0.76 -3.72	28.97 0.77 -2.43	28.59 0.99 0.00	29.33 0.99 -0.17	30.00 0.95 -1.20	30.14 0.92 -0.31	31.70 0.92 -1.24	35.05 1.02 -4.10	39.97 1.19 -3.85	47.87 1.40 -4.05	42.61 1.33 -0.79	37.66 1.19 -0.35	35.74 1.11 -0.05	33.47 1.07 0.00	31.64 0.95 -0.17	30.50 0.80 0.00
GILBOA___ 23599	32.73 0.70 -5.20	30.60 0.76 -3.64	29.98 0.80 -4.23	29.01 0.68 -7.57	29.17 0.69 -7.57	28.51 0.58 -6.61	30.91 0.75 -3.24	31.82 0.77 -3.40	30.81 0.76 -3.72	28.97 0.77 -2.43	28.59 0.99 0.00	29.33 0.99 -0.17	30.00 0.95 -1.20	30.11 0.90 -0.31	31.70 0.92 -1.24	35.05 1.02 -4.10	39.97 1.19 -3.85	47.87 1.40 -4.05	42.61 1.34 -0.79	37.66 1.19 -0.35	35.81 1.18 -0.05	33.47 1.07 0.00	31.67 0.98 -0.17	30.50 0.80 0.00
GINNA___ 23603	25.17 -2.04 -0.38	24.45 -2.02 -0.27	23.34 -1.92 -0.31	20.24 -1.51 -1.01	20.48 -1.44 -1.01	20.83 -1.36 -0.88	25.58 -1.78 -0.43	26.17 -1.94 -0.46	24.83 -2.00 -0.51	24.22 -1.88 -0.33	25.34 -2.26 0.00	26.08 -2.11 -0.02	25.98 -2.03 -0.16	26.66 -2.28 -0.04	27.64 -2.07 -0.17	28.50 -1.98 -0.54	33.22 -2.24 -0.52	40.17 -2.80 -0.55	37.83 -2.75 -0.11	33.42 -2.75 -0.05	32.13 -2.45 -0.01	29.97 -2.43 0.00	28.29 -2.26 -0.02	27.53 -2.17 0.00
GLEN PARK___ 23778	22.28 -0.64 3.91	21.37 -0.65 4.17	20.32 -0.67 3.96	17.21 -0.52 3.03	17.30 -0.56 3.05	17.54 -0.60 3.18	22.29 -0.62 4.02	24.33 -0.58 2.73	21.36 -0.74 4.23	20.63 -0.93 4.22	21.84 -1.08 4.68	22.43 -1.10 4.64	22.32 -1.00 4.52	23.19 -0.95 4.76	23.75 -0.97 4.82	26.43 -0.81 2.70	34.70 -0.49 -0.25	42.22 -0.47 -0.27	40.37 -0.16 -0.05	36.47 0.32 -0.02	34.86 0.28 0.00	32.33 -0.06 0.00	30.38 -0.15 -0.01	29.52 -0.18 0.00
GLENDALE_27_KV_LOAD 356172	34.59 2.07 -5.69	32.11 1.94 -3.97	31.32 1.75 -4.62	30.47 1.45 -8.27	30.67 1.48 -8.27	30.06 1.51 -7.22	32.48 2.02 -3.53	33.48 2.13 -3.71	32.53 2.13 -4.07	30.51 2.09 -2.65	30.03 2.43 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.25 2.84 -4.48	42.32 3.18 -4.21	50.66 3.82 -4.42	45.03 3.68 -0.87	39.79 3.29 -0.38	37.72 3.08 -0.06	35.28 2.88 0.00	33.39 2.69 -0.19	32.05 2.35 -0.01
GLENWOOD_IC_1_G5 23712	34.55 2.04 -5.68	31.98 1.81 -3.98	31.17 1.60 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.03 1.49 -7.22	32.45 1.99 -3.53	33.40 2.05 -3.71	32.55 2.16 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.84 2.48 -0.19	31.58 2.42 -1.31	31.81 2.54 -0.35	33.46 2.54 -1.37	42.14 2.78 -9.42	46.34 3.11 -8.30	63.72 3.69 -17.60	56.79 3.52 -12.79	49.64 3.14 -10.38	45.52 3.01 -7.93	42.88 2.82 -7.66	33.35 2.62 -0.20	31.97 2.26 -0.02
GLENWOOD_IC_2_G1 23688	34.39 1.88 -5.68	31.88 1.70 -3.98	31.07 1.50 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.32 1.96 -3.71	32.39 2.00 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.67 2.31 -0.19	31.42 2.25 -1.31	31.70 2.46 -0.34	33.26 2.36 -1.35	37.22 2.60 -4.69	42.21 2.90 -4.38	50.84 3.43 -4.98	45.13 3.28 -1.37	39.88 2.96 -0.80	37.67 2.70 -0.39	35.35 2.62 -0.32	33.15 2.44 -0.19	31.77 2.08 0.00
GLENWOOD_IC_3_G1 23689	34.39 1.88 -5.68	31.88 1.70 -3.98	31.07 1.50 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.32 1.96 -3.71	32.39 2.00 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.67 2.31 -0.19	31.42 2.25 -1.31	31.70 2.46 -0.34	33.26 2.36 -1.35	37.22 2.60 -4.69	42.21 2.90 -4.38	50.84 3.43 -4.98	45.13 3.28 -1.37	39.88 2.96 -0.80	37.67 2.70 -0.39	35.35 2.62 -0.32	33.15 2.44 -0.19	31.77 2.08 0.00
GLENWOOD___4 23550	34.55 2.04 -5.68	31.98 1.81 -3.98	31.17 1.60 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.03 1.49 -7.22	32.45 1.99 -3.53	33.40 2.05 -3.71	32.55 2.16 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.84 2.48 -0.19	31.58 2.42 -1.31	31.81 2.54 -0.35	33.46 2.54 -1.37	42.14 2.78 -9.42	46.34 3.11 -8.30	63.72 3.69 -17.60	56.79 3.52 -12.79	49.64 3.14 -10.38	45.52 3.01 -7.93	42.88 2.82 -7.66	33.35 2.62 -0.20	31.97 2.26 -0.02
GLENWOOD___5 23614	34.55 2.04 -5.68	31.98 1.81 -3.98	31.17 1.60 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.03 1.49 -7.22	32.45 1.99 -3.53	33.40 2.05 -3.71	32.55 2.16 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.84 2.48 -0.19	31.58 2.42 -1.31	31.81 2.54 -0.35	33.46 2.54 -1.37	42.14 2.78 -9.42	46.34 3.11 -8.30	63.72 3.69 -17.60	56.79 3.52 -12.79	49.64 3.14 -10.38	45.52 3.01 -7.93	42.88 2.82 -7.66	33.35 2.62 -0.20	31.97 2.26 -0.02
GLOBAL GREEN_PORT_GT1 23814	35.01 2.50 -5.68	32.22 2.04 -3.98	31.25 1.67 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.29 1.75 -7.22	32.80 2.34 -3.53	33.62 2.27 -3.71	33.00 2.61 -4.07	30.77 2.34 -2.65	29.89 2.29 0.00	31.09 2.73 -0.19	31.61 2.45 -1.31	32.20 2.95 -0.35	33.96 3.04 -1.37	40.68 3.23 -7.52	45.35 3.70 -6.71	59.21 4.28 -12.50	52.70 4.05 -8.18	46.42 3.79 -6.51	42.86 3.39 -4.89	40.04 2.95 -4.69	33.55 2.84 -0.19	32.53 2.82 -0.01
GLOBE___DSASP 323697	24.77 -2.41 -0.35	24.01 -2.44 -0.25	22.84 -2.40 -0.29	20.25 -1.76 -1.27	20.51 -1.67 -1.27	20.85 -1.58 -1.11	25.34 -2.13 -0.54	25.47 -2.63 -0.45	24.26 -2.55 -0.49	23.64 -2.45 -0.32	24.92 -2.68 0.00	25.64 -2.56 -0.03	25.37 -2.65 -0.16	26.21 -2.75 -0.05	27.08 -2.63 -0.17	28.22 -2.39 -0.69	32.50 -2.93 -0.51	39.18 -3.78 -0.53	36.82 -3.76 -0.11	32.52 -3.65 -0.05	30.99 -3.60 -0.01	29.61 -2.79 0.00	27.62 -2.93 -0.03	27.41 -2.29 0.00
GOETHSLN___LBMP 323567	34.26 1.74 -5.68	31.80 1.62 -3.97	31.05 1.47 -4.62	30.25 1.22 -8.27	30.44 1.25 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.29 1.94 -3.71	32.34 1.95 -4.07	30.33 1.91 -2.65	29.81 2.21 0.00	30.64 2.28 -0.19	31.44 2.28 -1.31	31.56 2.31 -0.34	33.20 2.30 -1.35	36.95 2.54 -4.48	41.97 2.83 -4.21	50.24 3.39 -4.42	44.58 3.24 -0.87	39.39 2.89 -0.38	37.34 2.70 -0.06	34.93 2.53 0.00	33.06 2.35 -0.19	31.68 1.99 0.00
GOLAH___69_KV_TB 1_2 80279	26.12 -1.07 -0.36	25.36 -1.10 -0.26	24.18 -1.07 -0.30	21.03 -0.77 -1.05	21.29 -0.67 -1.05	21.68 -0.55 -0.92	26.56 -0.81 -0.45	27.07 -1.05 -0.47	25.69 -1.16 -0.52	25.00 -1.11 -0.34	26.19 -1.41 0.00	26.96 -1.24 -0.02	26.82 -1.20 -0.17	27.71 -1.24 -0.04	28.50 -1.21 -0.17	29.45 -1.05 -0.57	34.31 -1.15 -0.53	41.41 -1.57 -0.56	39.01 -1.58 -0.11	34.54 -1.63 -0.05	32.86 -1.73 -0.01	31.04 -1.36 0.00	29.17 -1.37 -0.02	28.66 -1.04 0.00



GOODYEAR_LAKE_HYD 323669	29.84 1.02 -1.99	28.64 1.05 -1.39	27.57 1.00 -1.62	24.49 0.85 -2.89	24.68 0.88 -2.89	24.67 0.83 -2.53	29.29 1.13 -1.24	30.18 1.24 -1.29	28.98 1.24 -1.41	27.83 1.13 -0.92	28.95 1.35 0.00	29.53 1.30 -0.06	29.56 1.25 -0.46	30.33 1.30 -0.12	31.28 1.27 -0.47	32.99 1.50 -1.56	38.28 1.89 -1.46	46.29 2.33 -1.54	43.01 2.23 -0.30	38.20 1.95 -0.13	36.50 1.90 -0.02	34.08 1.68 0.00	31.99 1.40 -0.06	31.03 1.34 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	28.82 0.05 -1.93	27.63 0.08 -1.35	26.62 0.10 -1.57	23.65 0.08 -2.81	23.83 0.10 -2.81	23.90 0.13 -2.46	28.32 0.19 -1.20	29.17 0.28 -1.25	27.93 0.24 -1.36	26.87 0.21 -0.89	28.04 0.44 0.00	28.54 0.31 -0.06	28.48 0.19 -0.44	29.20 0.17 -0.12	30.20 0.21 -0.45	31.82 0.36 -1.52	36.80 0.45 -1.41	44.50 0.59 -1.48	41.30 0.53 -0.29	36.64 0.40 -0.13	35.15 0.55 -0.02	32.95 0.55 0.00	30.80 0.21 -0.06	30.11 0.42 0.00
GOUDEY___7 23579	28.82 0.05 -1.93	27.63 0.08 -1.35	26.62 0.10 -1.57	23.65 0.08 -2.81	23.83 0.10 -2.81	23.90 0.13 -2.46	28.32 0.19 -1.20	29.17 0.28 -1.25	27.93 0.24 -1.36	26.87 0.21 -0.89	28.04 0.44 0.00	28.54 0.31 -0.06	28.48 0.19 -0.44	29.20 0.17 -0.12	30.20 0.21 -0.45	31.82 0.36 -1.52	36.80 0.45 -1.41	44.50 0.59 -1.48	41.30 0.53 -0.29	36.64 0.40 -0.13	35.15 0.55 -0.02	32.95 0.55 0.00	30.80 0.21 -0.06	30.11 0.42 0.00
GOUDEY___8 23580	28.82 0.05 -1.93	27.63 0.08 -1.35	26.62 0.10 -1.57	23.65 0.08 -2.81	23.83 0.10 -2.81	23.90 0.13 -2.46	28.32 0.19 -1.20	29.17 0.28 -1.25	27.93 0.24 -1.36	26.87 0.21 -0.89	28.04 0.44 0.00	28.54 0.31 -0.06	28.48 0.19 -0.44	29.20 0.17 -0.12	30.20 0.21 -0.45	31.82 0.36 -1.52	36.80 0.45 -1.41	44.50 0.59 -1.48	41.30 0.53 -0.29	36.64 0.40 -0.13	35.15 0.55 -0.02	32.95 0.55 0.00	30.80 0.21 -0.06	30.11 0.42 0.00
GOWANUS_GT1_1 24077	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_2 24078	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_3 24079	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_4 24080	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_5 24084	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_6 24111	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_7 24112	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT1_8 24113	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GOWANUS_GT2_1 24114	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_2 24115	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_3 24116	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01



GOWANUS_GT2_4 24117	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_5 24118	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_6 24119	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_7 24120	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT2_8 24121	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.25 2.85 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.32 2.92 0.00	33.48 2.78 -0.19	32.08 2.38 -0.01
GOWANUS_GT3_1 24122	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_2 24123	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_3 24124	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_4 24125	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_5 24126	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_6 24127	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_7 24128	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT3_8 24129	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
GOWANUS_GT4_1 24130	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_2 24131	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01



GOWANUS_GT4_3 24132	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_4 24133	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_5 24134	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_6 24135	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_7 24136	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GOWANUS_GT4_8 24137	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.45 1.99 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.47 2.57 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.75 3.90 -4.42	45.07 3.72 -0.87	39.82 3.32 -0.38	37.75 3.11 -0.06	35.31 2.92 0.00	33.45 2.75 -0.19	32.11 2.41 -0.01
GREENBSH_115KV_TB3 55895	33.73 0.48 -6.42	31.13 0.45 -4.49	30.60 0.42 -5.22	30.44 0.35 -9.34	30.61 0.36 -9.34	29.88 0.41 -8.16	31.43 0.51 -3.99	32.31 0.47 -4.19	31.45 0.53 -4.60	29.28 0.52 -3.00	28.23 0.63 0.00	29.03 0.65 -0.21	29.92 0.58 -1.48	29.96 0.66 -0.38	31.72 0.65 -1.53	35.65 0.66 -5.06	40.46 0.77 -4.75	48.40 0.98 -5.00	42.35 0.89 -0.98	37.34 0.79 -0.43	35.44 0.80 -0.06	33.14 0.75 0.00	31.49 0.76 -0.21	30.14 0.45 0.00
GREENIDGE_115KV_TB5 80291	25.72 -0.64 0.47	25.23 -0.65 0.31	24.01 -0.57 0.37	21.99 -0.46 -1.70	22.21 -0.40 -1.70	22.50 -0.30 -1.48	27.33 -0.32 -0.72	28.13 -0.25 -0.74	26.74 -0.39 -0.81	25.89 -0.41 -0.53	27.30 -0.30 0.00	27.76 -0.45 -0.04	27.55 -0.56 -0.26	28.46 -0.52 -0.07	29.37 -0.44 -0.27	30.67 -0.18 -0.92	35.70 -0.07 -0.84	43.43 0.13 -0.88	40.69 0.04 -0.17	36.09 -0.11 -0.08	34.66 0.07 -0.01	32.53 0.13 0.00	30.22 -0.34 -0.04	29.69 0.00 0.00
GREENIDGE___3 23582	25.72 -0.64 0.47	25.23 -0.65 0.31	24.01 -0.57 0.37	21.99 -0.46 -1.70	22.21 -0.40 -1.70	22.50 -0.30 -1.48	27.33 -0.32 -0.72	28.13 -0.25 -0.74	26.74 -0.39 -0.81	25.89 -0.41 -0.53	27.30 -0.30 0.00	27.76 -0.45 -0.04	27.55 -0.56 -0.26	28.46 -0.52 -0.07	29.37 -0.44 -0.27	30.67 -0.18 -0.92	35.70 -0.07 -0.84	43.43 0.13 -0.88	40.69 0.04 -0.17	36.09 -0.11 -0.08	34.66 0.07 -0.01	32.53 0.13 0.00	30.22 -0.34 -0.04	29.69 0.00 0.00
GREENIDGE___4 23583	25.72 -0.64 0.47	25.23 -0.65 0.31	23.98 -0.60 0.37	21.99 -0.46 -1.70	22.21 -0.40 -1.70	22.50 -0.30 -1.48	27.33 -0.32 -0.72	28.13 -0.25 -0.74	26.74 -0.39 -0.81	25.88 -0.41 -0.53	27.30 -0.30 0.00	27.76 -0.45 -0.04	27.55 -0.56 -0.26	28.57 -0.40 -0.07	29.37 -0.44 -0.27	30.67 -0.18 -0.92	35.70 -0.07 -0.84	43.43 0.13 -0.88	40.69 0.04 -0.17	36.12 -0.07 -0.08	34.87 0.28 -0.01	32.53 0.13 0.00	30.19 -0.36 -0.04	29.69 0.00 0.00
GREENLWN_69_KV_BK 3 55738	34.66 2.15 -5.68	32.01 1.83 -3.98	31.12 1.55 -4.62	30.35 1.33 -8.27	30.54 1.36 -8.27	30.08 1.53 -7.22	32.51 2.05 -3.53	33.40 2.05 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.95 2.35 0.00	30.92 2.56 -0.19	31.64 2.48 -1.31	31.94 2.69 -0.35	33.60 2.69 -1.37	40.44 2.93 -7.58	44.91 3.21 -6.76	58.86 3.78 -12.66	52.40 3.60 -8.32	46.00 3.25 -6.63	42.68 3.11 -4.99	40.13 2.95 -4.79	33.46 2.75 -0.19	32.08 2.38 -0.01
GREENWD_138_KV_38B11_REV_LBMP_J 345004	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01
GRISSOM___SOLAR 323813	35.30 1.45 -7.02	32.53 1.41 -4.91	31.96 1.30 -5.71	32.07 1.10 -10.22	32.26 1.13 -10.22	31.42 1.17 -8.93	32.83 1.53 -4.37	33.73 1.49 -4.59	32.86 1.50 -5.03	30.29 1.24 -3.28	28.87 1.27 0.00	29.64 1.24 -0.23	30.61 1.14 -1.62	30.66 1.33 -0.42	32.66 1.45 -1.67	37.23 1.77 -5.53	42.51 2.38 -5.20	50.95 3.06 -5.47	44.38 2.83 -1.07	39.05 2.46 -0.47	37.04 2.38 -0.07	34.60 2.20 0.00	32.73 1.98 -0.23	31.36 1.66 0.00
GROVEVILLE___HYD 323602	34.21 1.69 -5.69	31.78 1.60 -3.98	31.03 1.45 -4.63	30.25 1.22 -8.28	30.45 1.25 -8.28	29.89 1.34 -7.23	32.19 1.72 -3.54	33.21 1.85 -3.72	32.22 1.82 -4.07	30.18 1.75 -2.66	29.61 2.01 0.00	30.39 2.03 -0.19	31.22 2.06 -1.31	31.36 2.11 -0.34	33.11 2.22 -1.35	36.87 2.45 -4.48	41.97 2.83 -4.21	50.29 3.44 -4.43	44.54 3.20 -0.87	39.35 2.85 -0.38	37.34 2.70 -0.06	34.89 2.49 0.00	32.93 2.23 -0.19	31.57 1.87 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 -0.02	29.61 -0.09 0.00



HAMLTNNY_34_KV_TB 80303	27.41 -0.08 -0.66	26.55 -0.10 -0.46	25.41 -0.07 -0.53	21.64 -0.06 -0.96	21.83 -0.04 -0.96	22.13 -0.02 -0.83	27.31 -0.03 -0.41	28.10 0.03 -0.43	26.77 -0.03 -0.47	26.08 0.00 -0.31	27.54 -0.06 0.00	28.11 -0.08 -0.02	27.92 -0.08 -0.15	28.89 -0.06 -0.04	29.67 -0.03 -0.16	30.39 -0.06 -0.52	35.38 -0.03 -0.49	42.89 -0.04 -0.51	40.46 -0.12 -0.10	36.02 -0.14 -0.04	34.42 -0.17 -0.01	32.27 -0.13 0.00	30.30 -0.24 -0.02	29.64 -0.06 0.00
HAMPSHIRE___PAPER_HYD 323593	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.74 -1.84 12.27	14.24 -1.88 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.16 0.00	29.71 -0.82 -0.01	28.77 -0.92 0.00
HARDSCRABBLE_WT_PWR 323673	26.59 -0.32 -0.08	25.92 -0.34 -0.06	24.67 -0.35 -0.07	20.58 -0.29 -0.12	20.74 -0.29 -0.12	21.15 -0.28 -0.11	26.65 -0.32 -0.05	27.40 -0.30 -0.05	26.10 -0.29 -0.06	25.50 -0.31 -0.04	27.30 -0.30 0.00	27.87 -0.31 0.00	27.59 -0.28 -0.02	28.62 -0.29 -0.01	29.27 -0.30 -0.02	29.70 -0.30 -0.07	34.79 -0.21 -0.06	42.32 -0.17 -0.07	40.41 -0.08 -0.01	36.20 0.07 -0.01	34.69 0.10 0.00	32.53 0.13 0.00	30.80 0.27 0.00	30.02 0.33 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	33.93 1.61 -5.49	31.53 1.49 -3.84	30.79 1.37 -4.47	29.91 1.16 -7.99	30.08 1.17 -7.99	29.56 1.26 -6.98	31.98 1.64 -3.42	33.00 1.77 -3.59	32.02 1.76 -3.93	30.03 1.70 -2.56	29.53 1.93 0.00	30.32 1.97 -0.18	31.09 1.98 -1.27	31.23 1.99 -0.33	32.95 2.10 -1.31	36.62 2.36 -4.33	41.72 2.72 -4.07	50.01 3.31 -4.27	44.39 3.08 -0.84	39.16 2.67 -0.37	37.20 2.56 -0.05	34.73 2.33 0.00	32.81 2.11 -0.18	31.45 1.75 0.00
HARSNRAD_115KV_TB1 81005	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.09 -2.15 -0.29	20.36 -1.64 -1.25	20.63 -1.53 -1.25	20.98 -1.43 -1.09	25.57 -1.88 -0.53	25.79 -2.32 -0.47	24.55 -2.29 -0.51	23.89 -2.22 -0.34	25.36 -2.24 0.00	25.97 -2.23 -0.03	25.68 -2.34 -0.17	26.56 -2.40 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.68	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.51 -3.08 -0.11	33.14 -3.03 -0.05	31.75 -2.84 -0.01	30.26 -2.14 0.00	28.11 -2.44 -0.03	27.94 -1.75 0.00
HARZA MOOSE___RIVER 24016	23.87 -0.21 2.74	23.10 -0.18 2.92	21.95 -0.22 2.77	18.46 -0.17 2.13	18.60 -0.17 2.15	18.89 -0.19 2.24	23.95 -0.16 2.81	25.62 -0.11 1.92	23.21 -0.16 2.96	22.54 -0.28 2.95	24.00 -0.33 3.27	24.60 -0.34 3.24	24.41 -0.28 3.16	25.35 -0.23 3.32	25.88 -0.30 3.37	27.86 -0.18 1.89	35.14 0.03 -0.17	42.73 0.13 -0.18	40.76 0.24 -0.03	36.82 0.69 -0.02	35.21 0.62 0.00	32.79 0.39 0.00	30.89 0.37 -0.01	30.02 0.33 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	26.79 -0.21 -0.17	25.95 -0.24 0.01	24.82 -0.20 -0.07	21.08 -0.17 -0.49	21.24 -0.17 -0.49	21.55 -0.15 -0.38	26.67 -0.22 0.04	27.55 -0.19 -0.10	26.11 -0.21 0.01	25.45 -0.18 0.14	26.92 -0.25 0.43	27.51 -0.25 0.41	27.30 -0.25 0.29	28.27 -0.23 0.41	28.99 -0.24 0.32	29.83 -0.27 -0.17	35.00 -0.35 -0.42	42.44 -0.42 -0.44	40.08 -0.49 -0.09	35.69 -0.47 -0.04	34.10 -0.48 -0.01	31.98 -0.42 0.00	30.05 -0.49 -0.02	29.40 -0.30 0.00
HELLGATE_13_KV_LD 55870	34.51 1.99 -5.69	32.06 1.89 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	34.51 1.99 -5.69	32.06 1.89 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.96 2.26 -0.01
HEMPSTEAD____ 23647	34.53 2.01 -5.68	31.90 1.73 -3.98	31.05 1.47 -4.62	30.29 1.27 -8.27	30.48 1.30 -8.27	29.99 1.45 -7.22	32.40 1.94 -3.53	33.32 1.96 -3.71	32.50 2.11 -4.07	30.38 1.96 -2.65	29.81 2.21 0.00	30.75 2.39 -0.19	31.47 2.31 -1.31	31.86 2.60 -0.35	33.42 2.51 -1.37	41.44 2.72 -8.79	45.71 3.00 -7.77	61.85 3.52 -15.90	55.09 3.36 -11.25	48.24 3.03 -9.09	44.30 2.80 -6.92	41.82 2.75 -6.67	33.28 2.56 -0.20	31.91 2.20 -0.01
HEWLETT_69_KV_BK3 55828	34.77 2.25 -5.68	32.11 1.94 -3.98	31.25 1.67 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.14 1.60 -7.22	32.61 2.15 -3.53	33.51 2.16 -3.71	32.71 2.32 -4.07	30.59 2.16 -2.65	30.03 2.43 0.00	30.98 2.62 -0.19	31.72 2.56 -1.31	32.01 2.75 -0.35	33.63 2.72 -1.37	41.93 2.96 -9.04	46.17 3.25 -7.98	62.82 3.82 -16.58	55.95 3.60 -11.87	49.01 3.29 -9.61	45.08 3.18 -7.32	42.48 3.01 -7.07	33.53 2.81 -0.20	32.20 2.49 -0.01
HICKLING___1 23621	25.79 -0.91 0.12	25.24 -0.89 0.07	24.06 -0.80 0.09	22.28 -0.64 -2.17	22.50 -0.59 -2.17	22.70 -0.51 -1.89	27.26 -0.59 -0.93	28.11 -0.47 -0.94	26.78 -0.58 -1.03	25.87 -0.57 -0.67	27.43 -0.17 0.00	27.74 -0.48 -0.05	27.46 -0.72 -0.33	28.24 -0.75 -0.09	29.18 -0.71 -0.34	30.75 -0.36 -1.17	35.65 -0.35 -1.06	43.28 -0.25 -1.12	40.33 -0.36 -0.22	35.75 -0.47 -0.10	34.60 0.00 -0.01	32.56 0.16 0.00	30.05 -0.52 -0.05	29.72 0.03 0.00
HICKLING___2 23622	25.79 -0.91 0.12	25.24 -0.89 0.07	24.06 -0.80 0.09	22.28 -0.64 -2.17	22.50 -0.59 -2.17	22.70 -0.51 -1.89	27.26 -0.59 -0.93	28.11 -0.47 -0.94	26.78 -0.58 -1.03	25.87 -0.57 -0.67	27.43 -0.17 0.00	27.74 -0.48 -0.05	27.46 -0.72 -0.33	28.24 -0.75 -0.09	29.18 -0.71 -0.34	30.75 -0.36 -1.17	35.65 -0.35 -1.06	43.28 -0.25 -1.12	40.33 -0.36 -0.22	35.75 -0.47 -0.10	34.60 0.00 -0.01	32.56 0.16 0.00	30.05 -0.52 -0.05	29.72 0.03 0.00
HIGH FALLS___HY 23754	34.20 1.77 -5.60	31.77 1.65 -3.92	31.03 1.52 -4.56	30.19 1.29 -8.16	30.39 1.32 -8.16	29.85 1.41 -7.12	32.24 1.83 -3.49	33.29 1.99 -3.66	32.29 1.95 -4.01	30.24 1.86 -2.62	29.70 2.10 0.00	30.47 2.11 -0.18	31.29 2.14 -1.29	31.44 2.20 -0.33	33.15 2.27 -1.33	36.95 2.60 -4.41	42.09 3.00 -4.15	50.47 3.69 -4.36	44.77 3.44 -0.86	39.56 3.07 -0.37	37.54 2.90 -0.06	35.05 2.66 0.00	33.02 2.32 -0.18	31.68 1.99 0.00
HIGH_RIVER___SOLAR 323847	34.65 1.02 -6.80	31.97 1.02 -4.75	31.40 0.92 -5.53	31.43 0.79 -9.89	31.62 0.81 -9.89	30.79 0.83 -8.64	32.23 1.08 -4.23	33.14 1.05 -4.44	32.17 0.97 -4.86	29.69 0.75 -3.17	28.32 0.72 0.00	29.10 0.70 -0.22	30.09 0.67 -1.57	30.06 0.75 -0.41	32.02 0.86 -1.62	36.49 1.20 -5.35	41.61 1.64 -5.03	49.79 2.08 -5.29	43.46 1.94 -1.04	38.27 1.70 -0.45	36.27 1.63 -0.07	33.92 1.52 0.00	32.15 1.40 -0.22	30.88 1.19 0.00



HILLBURN___GT 23639	33.98 1.61 -5.54	31.57 1.49 -3.88	30.80 1.35 -4.51	29.98 1.16 -8.06	30.15 1.17 -8.06	29.60 1.24 -7.04	32.01 1.64 -3.45	33.06 1.80 -3.62	32.06 1.76 -3.96	30.08 1.73 -2.59	29.56 1.96 0.00	30.35 2.00 -0.18	31.13 2.01 -1.28	31.32 2.08 -0.33	32.90 2.04 -1.32	36.63 2.34 -4.36	41.69 2.65 -4.10	49.92 3.18 -4.31	44.32 3.00 -0.85	39.16 2.67 -0.37	37.02 2.38 -0.05	34.70 2.30 0.00	32.81 2.10 -0.18	31.42 1.72 0.00
HILLSIDE_115KV_TB1 80332	25.80 -1.05 -0.01	25.20 -1.02 -0.02	24.02 -0.95 -0.02	22.23 -0.77 -2.25	22.45 -0.71 -2.25	22.62 -0.66 -1.96	27.08 -0.81 -0.96	27.96 -0.66 -0.97	26.63 -0.76 -1.07	25.69 -0.77 -0.70	27.30 -0.30 0.00	27.57 -0.65 -0.05	27.28 -0.92 -0.35	28.02 -0.98 -0.09	28.92 -0.97 -0.36	30.49 -0.66 -1.22	35.30 -0.73 -1.10	42.82 -0.76 -1.16	39.90 -0.81 -0.23	35.35 -0.87 -0.10	34.22 -0.38 -0.02	32.17 -0.23 0.00	29.75 -0.82 -0.05	29.40 -0.30 0.00
HISHELDN_WT_PWR 323625	24.77 -2.33 -0.27	24.09 -2.31 -0.20	22.98 -2.20 -0.22	20.50 -1.74 -1.49	20.77 -1.63 -1.49	21.08 -1.54 -1.30	25.62 -1.94 -0.64	26.09 -2.13 -0.58	24.83 -2.13 -0.63	24.07 -2.11 -0.41	25.78 -1.82 0.00	26.12 -2.08 -0.03	25.80 -2.25 -0.21	26.97 -1.99 -0.06	27.60 -2.16 -0.21	28.91 -1.83 -0.81	33.52 -2.06 -0.65	40.69 -2.42 -0.68	38.31 -2.31 -0.14	33.94 -2.24 -0.06	33.28 -1.31 -0.01	31.10 -1.30 0.00	28.57 -1.98 -0.03	28.60 -1.10 0.00
HOLTSVILLE_IC_1 23690	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.51 2.16 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.58 2.42 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.03 3.39 -6.71	58.86 3.95 -12.49	52.41 3.77 -8.17	46.09 3.47 -6.50	42.68 3.22 -4.88	40.10 3.01 -4.69	33.62 2.90 -0.19	32.26 2.55 -0.01
HOLTSVILLE_IC_10 23699	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.79 3.32 -7.53	45.32 3.67 -6.72	59.25 4.28 -12.54	52.74 4.05 -8.21	46.41 3.76 -6.54	42.95 3.46 -4.91	40.32 3.21 -4.72	33.77 3.05 -0.19	32.43 2.73 -0.01
HOLTSVILLE_IC_2 23691	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.51 2.16 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.58 2.42 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.03 3.39 -6.71	58.86 3.95 -12.49	52.41 3.77 -8.17	46.09 3.47 -6.50	42.68 3.22 -4.88	40.10 3.01 -4.69	33.62 2.90 -0.19	32.26 2.55 -0.01
HOLTSVILLE_IC_3 23692	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.51 2.16 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.58 2.42 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.03 3.39 -6.71	58.86 3.95 -12.49	52.41 3.77 -8.17	46.09 3.47 -6.50	42.68 3.22 -4.88	40.10 3.01 -4.69	33.62 2.90 -0.19	32.26 2.55 -0.01
HOLTSVILLE_IC_4 23693	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.51 2.16 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.58 2.42 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.03 3.39 -6.71	58.86 3.95 -12.49	52.41 3.77 -8.17	46.09 3.47 -6.50	42.68 3.22 -4.88	40.10 3.01 -4.69	33.62 2.90 -0.19	32.26 2.55 -0.01
HOLTSVILLE_IC_5 23694	34.82 2.31 -5.68	32.11 1.94 -3.98	31.17 1.60 -4.62	30.43 1.41 -8.27	30.63 1.44 -8.27	30.21 1.66 -7.22	32.64 2.18 -3.53	33.51 2.16 -3.71	32.77 2.37 -4.07	30.61 2.19 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.58 2.42 -1.31	32.12 2.86 -0.35	33.75 2.84 -1.37	40.59 3.14 -7.51	45.03 3.39 -6.71	58.86 3.95 -12.49	52.41 3.77 -8.17	46.09 3.47 -6.50	42.68 3.22 -4.88	40.10 3.01 -4.69	33.62 2.90 -0.19	32.26 2.55 -0.01
HOLTSVILLE_IC_6 23695	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.79 3.32 -7.53	45.32 3.67 -6.72	59.25 4.28 -12.54	52.74 4.05 -8.21	46.41 3.76 -6.54	42.95 3.46 -4.91	40.32 3.21 -4.72	33.77 3.05 -0.19	32.43 2.73 -0.01
HOLTSVILLE_IC_7 23696	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.79 3.32 -7.53	45.32 3.67 -6.72	59.25 4.28 -12.54	52.74 4.05 -8.21	46.41 3.76 -6.54	42.95 3.46 -4.91	40.32 3.21 -4.72	33.77 3.05 -0.19	32.43 2.73 -0.01
HOLTSVILLE_IC_8 23697	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.79 3.32 -7.53	45.32 3.67 -6.72	59.25 4.28 -12.54	52.74 4.05 -8.21	46.41 3.76 -6.54	42.95 3.46 -4.91	40.32 3.21 -4.72	33.77 3.05 -0.19	32.43 2.73 -0.01
HOLTSVILLE_IC_9 23698	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.79 3.32 -7.53	45.32 3.67 -6.72	59.25 4.28 -12.54	52.74 4.05 -8.21	46.41 3.76 -6.54	42.95 3.46 -4.91	40.32 3.21 -4.72	33.77 3.05 -0.19	32.43 2.73 -0.01
HOMER_HL_115KV_TB2 355744	24.43 -2.71 -0.31	23.86 -2.57 -0.22	22.81 -2.40 -0.26	20.14 -2.14 -1.53	20.41 -2.03 -1.53	20.67 -1.98 -1.33	25.13 -2.45 -0.65	26.05 -2.18 -0.59	24.66 -2.32 -0.65	23.85 -2.35 -0.43	26.94 -0.66 0.00	26.46 -1.75 -0.03	25.44 -2.62 -0.21	26.22 -2.75 -0.06	26.90 -2.87 -0.22	28.34 -2.42 -0.83	32.88 -2.72 -0.67	40.16 -2.97 -0.71	37.79 -2.83 -0.14	33.51 -2.67 -0.07	33.69 -0.90 -0.01	31.85 -0.55 0.00	28.39 -2.17 -0.03	29.19 -0.50 0.00
HOWARD_WT_PWR 323690	24.15 -2.39 0.29	23.63 -2.38 0.19	22.53 -2.20 0.23	20.77 -1.76 -1.78	21.02 -1.67 -1.78	21.32 -1.56 -1.55	25.85 -1.83 -0.76	26.57 -1.83 -0.75	25.28 -1.87 -0.82	24.45 -1.86 -0.54	26.22 -1.38 0.00	26.41 -1.80 -0.04	26.11 -2.01 -0.27	27.39 -1.59 -0.07	28.07 -1.74 -0.27	29.61 -1.29 -0.96	34.56 -1.22 -0.85	42.17 -1.14 -0.89	39.56 -1.09 -0.18	35.15 -1.05 -0.08	34.42 -0.17 -0.01	32.17 -0.23 0.00	29.58 -0.98 -0.04	29.52 -0.18 0.00



HQ_GEN_CEDARS 23644	4.85 -2.25 19.73	3.50 -2.20 20.50	3.04 -2.22 19.69	2.67 -1.81 16.27	2.65 -1.86 16.40	2.65 -1.94 16.73	4.86 -2.40 19.67	11.43 -2.49 13.73	3.12 -2.42 20.79	2.99 -2.40 20.38	3.22 -2.51 21.87	3.99 -2.48 21.70	4.00 -2.39 21.45	4.07 -2.51 22.32	4.07 -2.63 22.85	13.44 -2.75 13.74	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.72 -1.87 0.00	30.36 -2.04 0.00	29.18 -1.34 0.00	28.21 -1.48 0.00
HQ_GEN_CEDARS_PROXY 323590	4.85 -2.25 19.73	3.50 -2.20 20.50	3.04 -2.22 19.69	2.67 -1.81 16.27	2.65 -1.86 16.40	2.65 -1.94 16.73	4.86 -2.40 19.67	11.43 -2.49 13.73	3.12 -2.42 20.79	2.99 -2.40 20.38	3.22 -2.51 21.87	3.99 -2.48 21.70	4.00 -2.40 21.45	4.04 -2.54 22.32	4.07 -2.63 22.85	13.44 -2.75 13.74	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.11 -2.02 -0.01	32.68 -1.90 0.00	30.53 -2.04 -0.17	29.01 -1.34 0.17	28.21 -1.48 0.00
HQ_GEN_IMPORT 323601	26.83 0.00 0.00	26.20 0.00 0.00	24.95 0.00 0.00	20.75 0.00 0.00	20.91 0.00 0.00	21.32 0.00 0.00	26.92 0.00 0.00	27.64 0.00 0.00	26.33 0.00 0.00	25.77 0.00 0.00	27.60 0.00 0.00	28.17 0.00 0.00	27.85 0.00 0.00	28.91 0.00 0.00	29.54 0.00 0.00	29.93 0.00 0.00	34.93 0.00 0.00	42.42 0.00 0.00	40.48 0.00 0.00	36.12 0.00 0.00	34.58 0.00 0.00	32.57 0.00 -0.17	30.35 0.00 0.17	29.69 0.00 0.00
HQ_GEN_WHEEL 23651	26.83 0.00 0.00	26.20 0.00 0.00	24.95 0.00 0.00	20.75 0.00 0.00	20.91 0.00 0.00	21.32 0.00 0.00	26.92 0.00 0.00	27.64 0.00 0.00	26.33 0.00 0.00	25.77 0.00 0.00	27.60 0.00 0.00	28.17 0.00 0.00	27.85 0.00 0.00	28.91 0.00 0.00	29.54 0.00 0.00	29.93 0.00 0.00	34.93 0.00 0.00	42.42 0.00 0.00	40.48 0.00 0.00	36.12 0.00 0.00	34.58 0.00 0.00	32.57 0.00 -0.17	30.35 0.00 0.17	29.69 0.00 0.00
HUDSON_AVE_GT_3 23810	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
HUDSON_AVE_GT_4 23540	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
HUDSON_AVE_GT_5 23657	34.36 1.85 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
HUDSON_AVE_10 24168	34.23 1.72 -5.68	31.77 1.60 -3.97	31.02 1.45 -4.62	30.25 1.22 -8.27	30.42 1.23 -8.27	29.86 1.32 -7.22	32.24 1.78 -3.53	33.29 1.94 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.00 2.86 -4.21	50.24 3.39 -4.42	44.58 3.24 -0.87	39.42 2.93 -0.38	37.40 2.77 -0.06	34.99 2.59 0.00	33.09 2.38 -0.19	31.68 1.99 0.00
HUDSON___115KV_TB 4 355613	33.89 0.75 -6.31	31.32 0.71 -4.41	30.73 0.65 -5.13	30.47 0.54 -9.18	30.66 0.56 -9.18	29.98 0.64 -8.02	31.63 0.78 -3.92	32.48 0.72 -4.12	31.61 0.76 -4.51	29.36 0.64 -2.95	28.37 0.77 0.00	29.14 0.76 -0.21	29.95 0.64 -1.46	30.12 0.84 -0.38	31.87 0.83 -1.50	35.80 0.90 -4.97	40.86 1.26 -4.67	49.03 1.70 -4.91	42.98 1.54 -0.96	37.99 1.44 -0.42	36.10 1.45 -0.06	33.66 1.26 0.00	31.95 1.22 -0.21	30.56 0.86 0.00
HUNTER MOUNT___DRP 323613	33.67 0.64 -6.19	31.16 0.63 -4.33	30.56 0.57 -5.04	30.24 0.48 -9.01	30.43 0.50 -9.01	29.79 0.60 -7.87	31.48 0.70 -3.85	32.30 0.61 -4.05	31.42 0.66 -4.43	29.18 0.52 -2.89	28.29 0.69 0.00	29.02 0.65 -0.20	29.75 0.47 -1.43	30.03 0.75 -0.37	31.70 0.68 -1.48	35.59 0.78 -4.88	40.71 1.19 -4.59	48.90 1.65 -4.82	42.92 1.50 -0.95	38.01 1.48 -0.41	36.10 1.45 -0.06	33.69 1.30 0.00	31.97 1.25 -0.20	30.59 0.89 0.00
HUNTINGTON_RES_REC 323705	34.79 2.28 -5.68	32.09 1.91 -3.98	31.17 1.60 -4.62	30.41 1.39 -8.27	30.61 1.42 -8.27	30.16 1.62 -7.22	32.61 2.15 -3.53	33.49 2.13 -3.71	32.77 2.37 -4.07	30.59 2.17 -2.65	30.00 2.40 0.00	31.00 2.65 -0.19	31.64 2.48 -1.31	32.15 2.89 -0.35	33.75 2.84 -1.37	40.59 3.11 -7.54	45.13 3.46 -6.73	59.07 4.07 -12.57	52.56 3.85 -8.24	46.22 3.54 -6.56	42.76 3.25 -4.93	40.21 3.08 -4.73	33.62 2.90 -0.19	32.26 2.55 -0.01
HUNTLEY___63 23557	25.11 -2.07 -0.35	24.35 -2.10 -0.25	23.19 -2.05 -0.29	20.48 -1.56 -1.29	20.76 -1.44 -1.29	21.12 -1.32 -1.13	25.70 -1.78 -0.55	25.96 -2.16 -0.47	24.71 -2.13 -0.52	24.05 -2.06 -0.34	25.64 -1.96 0.00	26.23 -1.97 -0.03	25.87 -2.14 -0.17	26.73 -2.23 -0.05	27.59 -2.13 -0.18	28.78 -1.86 -0.70	33.27 -2.20 -0.53	40.18 -2.80 -0.56	37.84 -2.75 -0.11	33.39 -2.78 -0.05	32.10 -2.49 -0.01	30.55 -1.85 0.00	28.32 -2.23 -0.03	28.21 -1.48 0.00
HUNTLEY___64 23558	25.11 -2.07 -0.35	24.35 -2.10 -0.25	23.19 -2.05 -0.29	20.48 -1.56 -1.29	20.76 -1.44 -1.29	21.12 -1.32 -1.13	25.70 -1.78 -0.55	25.96 -2.16 -0.47	24.71 -2.13 -0.52	24.05 -2.06 -0.34	25.64 -1.96 0.00	26.23 -1.97 -0.03	25.87 -2.14 -0.17	26.73 -2.23 -0.05	27.59 -2.13 -0.18	28.78 -1.86 -0.70	33.27 -2.20 -0.53	40.18 -2.80 -0.56	37.84 -2.75 -0.11	33.39 -2.78 -0.05	32.10 -2.49 -0.01	30.55 -1.85 0.00	28.32 -2.23 -0.03	28.21 -1.48 0.00
HUNTLEY___65 23559	25.11 -2.07 -0.35	24.35 -2.10 -0.25	23.19 -2.05 -0.29	20.48 -1.56 -1.29	20.76 -1.44 -1.29	21.12 -1.32 -1.13	25.70 -1.78 -0.55	25.96 -2.16 -0.47	24.71 -2.13 -0.52	24.05 -2.06 -0.34	25.64 -1.96 0.00	26.23 -1.97 -0.03	25.87 -2.14 -0.17	26.73 -2.23 -0.05	27.59 -2.13 -0.18	28.78 -1.86 -0.70	33.27 -2.20 -0.53	40.18 -2.80 -0.56	37.84 -2.75 -0.11	33.39 -2.78 -0.05	32.10 -2.49 -0.01	30.55 -1.85 0.00	28.32 -2.23 -0.03	28.21 -1.48 0.00
HUNTLEY___66 23560	25.11 -2.07 -0.35	24.35 -2.10 -0.25	23.19 -2.05 -0.29	20.48 -1.56 -1.29	20.76 -1.44 -1.29	21.12 -1.32 -1.13	25.70 -1.78 -0.55	25.96 -2.16 -0.47	24.71 -2.13 -0.52	24.05 -2.06 -0.34	25.64 -1.96 0.00	26.23 -1.97 -0.03	25.87 -2.14 -0.17	26.73 -2.23 -0.05	27.59 -2.13 -0.18	28.78 -1.86 -0.70	33.27 -2.20 -0.53	40.18 -2.80 -0.56	37.84 -2.75 -0.11	33.39 -2.78 -0.05	32.10 -2.49 -0.01	30.55 -1.85 0.00	28.32 -2.23 -0.03	28.21 -1.48 0.00



HUNTLEY___67 23561	24.97 -2.20 -0.34	24.24 -2.20 -0.24	23.09 -2.15 -0.28	20.43 -1.64 -1.31	20.70 -1.53 -1.31	21.04 -1.43 -1.15	25.60 -1.88 -0.56	25.85 -2.27 -0.47	24.63 -2.21 -0.52	23.95 -2.16 -0.34	25.56 -2.04 0.00	26.09 -2.11 -0.03	25.74 -2.28 -0.17	26.59 -2.37 -0.05	27.44 -2.27 -0.18	28.64 -2.01 -0.71	33.06 -2.41 -0.53	39.93 -3.05 -0.56	37.60 -3.00 -0.12	33.21 -2.96 -0.05	31.96 -2.63 -0.01	30.45 -1.94 0.00	28.17 -2.38 -0.03	28.09 -1.60 0.00
HUNTLEY___68 23562	24.97 -2.20 -0.34	24.24 -2.20 -0.24	23.09 -2.15 -0.28	20.43 -1.64 -1.31	20.70 -1.53 -1.31	21.04 -1.43 -1.15	25.60 -1.88 -0.56	25.85 -2.27 -0.47	24.63 -2.21 -0.52	23.95 -2.16 -0.34	25.56 -2.04 0.00	26.09 -2.11 -0.03	25.74 -2.28 -0.17	26.59 -2.37 -0.05	27.44 -2.27 -0.18	28.64 -2.01 -0.71	33.06 -2.41 -0.53	39.93 -3.05 -0.56	37.60 -3.00 -0.12	33.21 -2.96 -0.05	31.96 -2.63 -0.01	30.45 -1.94 0.00	28.17 -2.38 -0.03	28.09 -1.60 0.00
HYLAND___LFGE 323620	26.28 -0.70 -0.15	25.58 -0.73 -0.11	24.43 -0.65 -0.12	21.76 -0.46 -1.47	22.09 -0.29 -1.47	22.49 -0.11 -1.28	27.39 -0.16 -0.63	28.16 -0.11 -0.63	26.41 -0.60 -0.69	25.42 -0.80 -0.45	26.63 -0.97 0.00	27.13 -1.07 -0.03	26.93 -1.14 -0.22	27.93 -1.04 -0.06	28.92 -0.86 -0.23	30.31 -0.42 -0.79	35.61 -0.03 -0.71	43.60 0.42 -0.75	41.27 0.65 -0.15	36.55 0.36 -0.07	35.53 0.93 -0.01	33.01 0.61 0.00	30.65 0.09 -0.03	30.08 0.39 0.00
INDECK___CORINTH 23802	34.34 0.91 -6.59	31.70 0.89 -4.61	31.09 0.77 -5.36	31.01 0.66 -9.60	31.20 0.69 -9.60	30.43 0.73 -8.38	31.97 0.94 -4.10	32.84 0.88 -4.31	32.05 1.00 -4.72	29.70 0.85 -3.08	28.51 0.91 0.00	29.09 0.70 -0.22	30.07 0.70 -1.52	30.05 0.75 -0.39	31.97 0.86 -1.57	36.09 0.96 -5.19	41.04 1.22 -4.89	49.17 1.61 -5.14	42.94 1.46 -1.01	37.75 1.19 -0.44	35.86 1.21 -0.07	33.47 1.07 0.00	32.81 2.08 -0.22	31.42 1.72 0.00
INDECK___ILION 23567	26.94 0.03 -0.08	26.28 0.03 -0.06	25.02 0.00 -0.07	20.89 0.02 -0.12	21.03 0.00 -0.12	21.42 0.00 -0.11	27.00 0.03 -0.05	27.73 0.03 -0.05	26.44 0.05 -0.06	25.84 0.03 -0.04	27.66 0.06 0.00	28.23 0.06 0.00	27.92 0.06 -0.02	29.00 0.09 -0.01	29.62 0.06 -0.02	30.09 0.09 -0.07	35.14 0.14 -0.06	42.70 0.21 -0.07	40.73 0.24 -0.01	36.41 0.29 -0.01	34.89 0.31 0.00	32.66 0.26 0.00	30.83 0.31 0.00	29.99 0.30 0.00
INDECK___OLEAN 23982	24.48 -2.66 -0.31	23.86 -2.57 -0.22	22.76 -2.44 -0.26	20.14 -2.14 -1.53	20.41 -2.03 -1.53	20.67 -1.98 -1.33	25.13 -2.45 -0.65	26.05 -2.18 -0.59	24.66 -2.32 -0.65	23.85 -2.34 -0.43	26.94 -0.66 0.00	26.23 -1.97 -0.03	25.44 -2.62 -0.21	27.46 -1.50 -0.06	26.90 -2.87 -0.22	28.34 -2.42 -0.83	32.88 -2.72 -0.67	40.16 -2.97 -0.71	37.79 -2.83 -0.14	33.94 -2.24 -0.07	34.07 -0.52 -0.01	31.85 -0.55 0.00	27.87 -2.69 -0.03	29.19 -0.50 0.00
INDECK___OSWEGO 23783	26.17 -0.43 0.23	25.38 -0.42 0.40	24.24 -0.40 0.32	20.52 -0.35 -0.12	20.67 -0.36 -0.11	20.97 -0.36 -0.01	26.06 -0.46 0.41	27.02 -0.44 0.18	25.48 -0.45 0.40	24.83 -0.44 0.51	26.26 -0.55 0.79	26.84 -0.56 0.76	26.66 -0.53 0.66	27.58 -0.55 0.77	28.27 -0.56 0.71	29.16 -0.66 0.11	34.56 -0.74 -0.36	41.87 -0.93 -0.38	39.62 -0.93 -0.07	35.28 -0.87 -0.03	33.79 -0.79 0.00	31.62 -0.78 0.00	29.77 -0.76 -0.02	29.10 -0.59 0.00
INDECK___YERKES 23781	25.11 -2.07 -0.35	24.38 -2.07 -0.25	23.24 -2.00 -0.29	20.51 -1.54 -1.29	20.78 -1.42 -1.29	21.14 -1.30 -1.13	25.70 -1.78 -0.55	25.99 -2.13 -0.47	24.74 -2.11 -0.52	24.05 -2.06 -0.34	25.67 -1.93 0.00	26.20 -2.00 -0.03	25.90 -2.12 -0.17	26.87 -2.08 -0.05	27.62 -2.10 -0.18	28.80 -1.83 -0.70	33.30 -2.17 -0.53	40.23 -2.76 -0.56	37.88 -2.71 -0.11	33.43 -2.75 -0.05	32.76 -1.83 -0.01	30.58 -1.81 0.00	28.29 -2.26 -0.03	28.24 -1.45 0.00
INDIAN POINT_GT_1 24139	34.07 1.58 -5.65	31.65 1.49 -3.95	30.90 1.35 -4.60	30.12 1.14 -8.23	30.29 1.15 -8.23	29.74 1.24 -7.19	32.06 1.62 -3.52	33.08 1.74 -3.69	32.11 1.74 -4.04	30.11 1.70 -2.64	29.53 1.93 0.00	30.36 2.00 -0.18	31.16 2.01 -1.31	31.27 2.02 -0.34	32.96 2.07 -1.35	36.69 2.30 -4.45	41.74 2.62 -4.19	49.96 3.14 -4.40	44.30 2.95 -0.86	39.13 2.64 -0.38	37.13 2.49 -0.06	34.73 2.33 0.00	32.81 2.11 -0.18	31.45 1.75 0.00
INDIAN POINT_GT_2 23659	34.07 1.58 -5.65	31.65 1.49 -3.95	30.90 1.35 -4.60	30.12 1.14 -8.23	30.29 1.15 -8.23	29.74 1.24 -7.19	32.06 1.62 -3.52	33.08 1.74 -3.69	32.11 1.74 -4.04	30.11 1.70 -2.64	29.53 1.93 0.00	30.36 2.00 -0.18	31.16 2.01 -1.31	31.27 2.02 -0.34	32.96 2.07 -1.35	36.69 2.30 -4.45	41.74 2.62 -4.19	49.96 3.14 -4.40	44.30 2.95 -0.86	39.13 2.64 -0.38	37.13 2.49 -0.06	34.73 2.33 0.00	32.81 2.11 -0.18	31.45 1.75 0.00
INDIAN POINT_GT_3 24019	34.07 1.58 -5.65	31.65 1.49 -3.95	30.90 1.35 -4.60	30.12 1.14 -8.23	30.29 1.15 -8.23	29.74 1.24 -7.19	32.06 1.62 -3.52	33.08 1.74 -3.69	32.11 1.74 -4.04	30.11 1.70 -2.64	29.53 1.93 0.00	30.36 2.00 -0.18	31.16 2.01 -1.31	31.27 2.02 -0.34	32.96 2.07 -1.35	36.69 2.30 -4.45	41.74 2.62 -4.19	49.96 3.14 -4.40	44.30 2.95 -0.86	39.13 2.64 -0.38	37.13 2.49 -0.06	34.73 2.33 0.00	32.81 2.11 -0.18	31.45 1.75 0.00
INDIAN POINT___2 23530	34.03 1.58 -5.62	31.62 1.49 -3.93	30.87 1.35 -4.57	30.07 1.14 -8.17	30.24 1.15 -8.17	29.69 1.24 -7.14	32.03 1.62 -3.49	33.06 1.74 -3.67	32.08 1.74 -4.02	30.09 1.70 -2.62	29.53 1.93 0.00	30.33 1.97 -0.18	31.12 1.98 -1.30	31.32 2.08 -0.34	32.92 2.04 -1.34	36.66 2.31 -4.42	41.68 2.59 -4.16	49.89 3.10 -4.37	44.29 2.95 -0.86	39.13 2.64 -0.38	36.99 2.35 -0.06	34.70 2.30 0.00	32.81 2.10 -0.18	31.42 1.72 0.00
INDIAN POINT___3 23531	34.07 1.58 -5.65	31.62 1.47 -3.96	30.87 1.32 -4.60	30.12 1.14 -8.23	30.29 1.15 -8.23	29.72 1.22 -7.19	32.03 1.59 -3.52	33.08 1.74 -3.69	32.09 1.71 -4.05	30.09 1.68 -2.64	29.53 1.93 0.00	30.33 1.97 -0.18	31.13 1.98 -1.31	31.24 1.99 -0.34	32.93 2.04 -1.35	36.66 2.27 -4.45	41.67 2.55 -4.19	49.88 3.05 -4.40	44.26 2.91 -0.86	39.06 2.56 -0.38	37.09 2.46 -0.06	34.67 2.27 0.00	32.78 2.08 -0.18	31.42 1.72 0.00
INGHAM_C_115KV_TB7 356103	26.81 -0.11 -0.08	26.15 -0.10 -0.06	24.89 -0.12 -0.07	20.77 -0.10 -0.12	20.93 -0.10 -0.12	21.32 -0.11 -0.11	26.87 -0.11 -0.05	27.62 -0.08 -0.05	26.31 -0.08 -0.06	25.71 -0.10 -0.04	27.52 -0.08 0.00	28.09 -0.08 0.00	27.78 -0.08 -0.02	28.85 -0.06 -0.01	29.47 -0.09 -0.02	29.91 -0.09 -0.07	35.03 0.03 -0.06	42.57 0.08 -0.07	40.65 0.16 -0.01	36.38 0.25 -0.01	34.89 0.31 0.00	32.69 0.29 0.00	30.95 0.43 0.00	30.14 0.45 0.00
IP CORINTH___1 23988	34.47 1.05 -6.59	31.83 1.02 -4.61	31.21 0.90 -5.36	31.12 0.77 -9.60	31.30 0.79 -9.60	30.53 0.83 -8.38	32.10 1.08 -4.10	33.01 1.05 -4.31	32.18 1.13 -4.72	29.86 1.01 -3.08	28.68 1.08 0.00	29.23 0.85 -0.22	30.21 0.84 -1.52	30.20 0.90 -0.39	32.12 1.00 -1.57	36.24 1.11 -5.19	41.25 1.43 -4.89	49.38 1.82 -5.14	43.14 1.66 -1.01	37.97 1.41 -0.44	36.10 1.45 -0.07	33.63 1.23 0.00	32.84 2.11 -0.22	31.42 1.72 0.00



IP___TICONDEROGA 23804	35.62 2.20 -6.59	32.93 2.12 -4.61	32.21 1.90 -5.36	31.96 1.62 -9.59	32.17 1.67 -9.59	31.46 1.77 -8.38	33.31 2.29 -4.10	34.14 2.18 -4.31	33.31 2.26 -4.72	30.83 1.98 -3.08	29.73 2.13 0.00	30.36 1.97 -0.21	31.29 1.92 -1.52	31.35 2.05 -0.39	33.42 2.30 -1.57	37.58 2.45 -5.19	43.03 3.21 -4.88	51.76 4.20 -5.13	45.33 3.85 -1.01	39.81 3.25 -0.44	37.97 3.32 -0.07	35.28 2.88 0.00	34.15 3.42 -0.21	32.58 2.88 0.00
ISLIP_RES_REC 323679	35.03 2.52 -5.68	32.32 2.15 -3.98	31.35 1.77 -4.62	30.58 1.56 -8.27	30.77 1.59 -8.27	30.35 1.81 -7.22	32.85 2.40 -3.53	33.70 2.35 -3.71	32.98 2.58 -4.07	30.79 2.37 -2.65	30.19 2.59 0.00	31.23 2.87 -0.19	31.81 2.65 -1.31	32.35 3.09 -0.35	34.04 3.13 -1.37	40.92 3.44 -7.54	45.51 3.84 -6.73	59.49 4.49 -12.57	53.01 4.29 -8.24	46.62 3.94 -6.56	43.15 3.63 -4.93	40.50 3.37 -4.74	33.89 3.17 -0.19	32.55 2.85 -0.01
JAMAICA__27_KV_LOAD 355505	34.18 1.66 -5.68	31.69 1.52 -3.97	30.92 1.35 -4.62	30.16 1.14 -8.27	30.33 1.15 -8.27	29.82 1.28 -7.22	32.24 1.78 -3.53	33.37 2.02 -3.71	32.47 2.08 -4.07	30.46 2.04 -2.65	29.95 2.35 0.00	30.84 2.48 -0.19	31.64 2.48 -1.31	31.76 2.51 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	42.07 2.93 -4.21	50.28 3.44 -4.42	44.62 3.28 -0.87	39.53 3.03 -0.38	37.58 2.94 -0.06	35.09 2.69 0.00	33.18 2.47 -0.19	31.68 1.99 0.00
JANIS___SOLAR 323808	30.76 0.83 -3.10	29.17 0.81 -2.16	28.26 0.80 -2.51	24.05 0.73 -2.58	24.22 0.73 -2.58	24.38 0.81 -2.25	29.13 1.10 -1.10	30.06 1.27 -1.14	28.69 1.11 -1.25	27.49 0.90 -0.82	28.62 1.02 0.00	29.16 0.93 -0.06	29.14 0.89 -0.41	30.11 1.10 -0.11	30.93 0.97 -0.42	32.61 1.29 -1.40	38.05 1.82 -1.30	46.16 2.37 -1.36	43.05 2.31 -0.27	38.33 2.09 -0.12	36.74 2.14 -0.02	34.21 1.81 0.00	31.92 1.34 -0.06	31.21 1.51 0.00
JARVIS____ 23743	26.91 0.00 -0.08	26.28 0.03 -0.06	25.04 0.02 -0.07	20.89 0.02 -0.12	21.06 0.02 -0.12	21.42 0.00 -0.11	27.00 0.03 -0.05	27.70 0.00 -0.05	26.42 0.03 -0.06	25.81 0.00 -0.04	27.63 0.03 0.00	28.20 0.03 0.00	27.90 0.03 -0.02	28.94 0.03 -0.01	29.59 0.03 -0.02	30.03 0.03 -0.07	35.07 0.07 -0.06	42.57 0.09 -0.07	40.57 0.08 -0.01	36.23 0.11 -0.01	34.69 0.10 0.00	32.50 0.10 0.00	30.65 0.12 0.00	29.78 0.09 0.00
JENNISON___1 23625	30.76 1.15 -2.77	29.32 1.18 -1.94	28.33 1.12 -2.26	25.28 0.98 -3.55	25.45 0.98 -3.55	25.45 1.02 -3.10	29.84 1.40 -1.52	30.78 1.55 -1.58	29.54 1.47 -1.73	28.24 1.34 -1.13	29.20 1.60 0.00	29.77 1.52 -0.08	29.91 1.50 -0.56	30.64 1.59 -0.15	31.63 1.51 -0.58	33.65 1.80 -1.92	39.03 2.31 -1.80	47.19 2.88 -1.89	43.60 2.75 -0.37	38.77 2.49 -0.16	37.06 2.46 -0.02	34.57 2.17 0.00	32.37 1.77 -0.08	31.51 1.81 0.00
JENNISON___2 23626	30.76 1.15 -2.77	29.32 1.18 -1.94	28.33 1.12 -2.26	25.28 0.98 -3.55	25.45 0.98 -3.55	25.45 1.02 -3.10	29.84 1.40 -1.52	30.78 1.55 -1.58	29.54 1.47 -1.73	28.24 1.34 -1.13	29.20 1.60 0.00	29.77 1.52 -0.08	29.91 1.50 -0.56	30.64 1.59 -0.15	31.63 1.51 -0.58	33.65 1.80 -1.92	39.03 2.31 -1.80	47.19 2.88 -1.89	43.60 2.75 -0.37	38.77 2.49 -0.16	37.06 2.46 -0.02	34.57 2.17 0.00	32.37 1.77 -0.08	31.51 1.81 0.00
JERICHO_RISE_WT_PWR 323719	3.25 -3.00 20.58	1.84 -2.99 21.37	1.46 -2.97 20.53	1.30 -2.47 16.98	1.27 -2.53 17.11	1.22 -2.64 17.45	3.10 -3.31 20.51	9.90 -3.43 14.32	1.36 -3.29 21.68	1.30 -3.22 21.25	1.39 -3.42 22.79	2.14 -3.41 22.62	2.17 -3.31 22.36	2.18 -3.47 23.26	2.18 -3.55 23.81	11.95 -3.65 14.33	30.93 -4.09 -0.09	37.64 -4.88 -0.09	36.53 -3.97 -0.02	33.17 -2.96 -0.01	31.75 -2.83 0.00	29.55 -2.85 0.00	28.48 -2.04 0.00	27.56 -2.14 0.00
KATONAH___115KV_46KV_TB4 355592	34.24 1.69 -5.72	31.80 1.60 -4.00	31.02 1.42 -4.65	30.30 1.22 -8.32	30.47 1.23 -8.32	29.93 1.34 -7.27	32.18 1.70 -3.56	33.23 1.85 -3.73	32.24 1.82 -4.09	30.24 1.80 -2.67	29.67 2.07 0.00	30.50 2.14 -0.19	31.31 2.14 -1.32	31.45 2.20 -0.34	33.18 2.27 -1.36	36.92 2.48 -4.50	42.00 2.83 -4.23	50.22 3.35 -4.45	44.59 3.24 -0.87	39.35 2.85 -0.38	37.37 2.73 -0.06	34.93 2.53 0.00	33.00 2.29 -0.19	31.57 1.87 0.00
KCE_NY_1 323755	34.64 1.23 -6.58	32.01 1.21 -4.60	31.40 1.10 -5.35	31.26 0.93 -9.58	31.43 0.94 -9.58	30.68 1.00 -8.36	32.28 1.27 -4.09	33.19 1.25 -4.30	32.30 1.26 -4.71	30.01 1.16 -3.07	28.87 1.27 0.00	29.62 1.24 -0.21	30.57 1.20 -1.52	30.60 1.30 -0.39	32.50 1.39 -1.57	36.61 1.50 -5.18	41.66 1.85 -4.88	49.88 2.33 -5.13	43.63 2.14 -1.00	38.44 1.88 -0.44	36.44 1.80 -0.07	34.08 1.68 0.00	32.54 1.80 -0.21	31.21 1.51 0.00
KCE_NY_6_ESR 323823	25.00 -2.17 -0.34	24.29 -2.15 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.06 -1.45 -1.19	25.62 -1.89 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.05 -2.09 -0.36	26.00 -1.60 0.00	26.26 -1.94 -0.03	25.86 -2.17 -0.18	27.11 -1.85 -0.05	27.58 -2.16 -0.19	28.82 -1.86 -0.74	33.37 -2.13 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.76 -2.42 -0.06	33.28 -1.31 -0.01	31.07 -1.33 0.00	28.39 -2.17 -0.03	28.63 -1.07 0.00
KEDC_PORT_JEFF_GT2 24210	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.74 2.32 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.78 3.32 -7.53	45.32 3.67 -6.72	59.23 4.28 -12.53	52.72 4.05 -8.20	46.40 3.76 -6.53	42.95 3.46 -4.91	40.31 3.21 -4.71	33.77 3.05 -0.19	32.43 2.73 -0.01
KEDC_PORT_JEFF_GT3 24211	34.95 2.44 -5.68	32.24 2.07 -3.98	31.27 1.70 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.74 2.32 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.72 2.56 -1.31	32.26 3.01 -0.35	33.93 3.01 -1.37	40.78 3.32 -7.53	45.32 3.67 -6.72	59.23 4.28 -12.53	52.72 4.05 -8.20	46.40 3.76 -6.53	42.95 3.46 -4.91	40.31 3.21 -4.71	33.77 3.05 -0.19	32.43 2.73 -0.01
KEDC_GLWD_GT4 24219	34.55 2.04 -5.68	31.98 1.81 -3.98	31.15 1.57 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.03 1.49 -7.22	32.45 1.99 -3.53	33.40 2.05 -3.71	32.55 2.16 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.81 2.45 -0.19	31.56 2.40 -1.31	31.89 2.63 -0.35	33.46 2.54 -1.37	42.14 2.78 -9.42	46.34 3.11 -8.30	63.71 3.69 -17.60	56.79 3.52 -12.79	49.68 3.18 -10.38	45.38 2.87 -7.93	42.88 2.82 -7.66	33.35 2.63 -0.20	31.97 2.26 -0.02
KEDC_GLWD_GT5 24220	34.55 2.04 -5.68	31.98 1.81 -3.98	31.15 1.57 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.03 1.49 -7.22	32.45 1.99 -3.53	33.40 2.05 -3.71	32.55 2.16 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.81 2.45 -0.19	31.56 2.40 -1.31	31.89 2.63 -0.35	33.46 2.54 -1.37	42.14 2.78 -9.42	46.34 3.11 -8.30	63.71 3.69 -17.60	56.79 3.52 -12.79	49.68 3.18 -10.38	45.38 2.87 -7.93	42.88 2.82 -7.66	33.35 2.63 -0.20	31.97 2.26 -0.02



KENSICO____ 23655	34.17 1.66 -5.68	31.72 1.55 -3.97	30.97 1.40 -4.62	30.22 1.20 -8.26	30.39 1.21 -8.26	29.81 1.28 -7.22	32.15 1.70 -3.53	33.18 1.82 -3.71	32.18 1.79 -4.06	30.17 1.75 -2.65	29.61 2.01 0.00	30.44 2.08 -0.19	31.25 2.09 -1.31	31.36 2.11 -0.34	33.05 2.16 -1.35	36.80 2.39 -4.47	41.83 2.69 -4.20	50.06 3.22 -4.42	44.42 3.08 -0.87	39.21 2.71 -0.38	37.23 2.59 -0.06	34.80 2.40 0.00	32.90 2.20 -0.19	31.54 1.84 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	33.96 1.72 -5.41	31.61 1.62 -3.78	30.85 1.50 -4.40	29.89 1.27 -7.87	30.08 1.30 -7.87	29.58 1.39 -6.88	32.07 1.78 -3.37	33.11 1.94 -3.53	32.09 1.90 -3.87	30.10 1.80 -2.53	29.64 2.04 0.00	30.38 2.03 -0.18	31.16 2.06 -1.25	31.34 2.11 -0.32	33.02 2.19 -1.29	36.71 2.51 -4.26	41.87 2.93 -4.00	50.28 3.65 -4.21	44.66 3.36 -0.83	39.48 3.00 -0.36	37.51 2.87 -0.05	34.99 2.59 0.00	33.02 2.32 -0.18	31.65 1.96 0.00
KIAC_JFK_GT1 23816	34.01 1.50 -5.68	31.56 1.39 -3.97	30.80 1.22 -4.62	30.06 1.04 -8.27	30.23 1.05 -8.27	29.69 1.15 -7.22	32.10 1.64 -3.53	33.21 1.85 -3.71	32.34 1.95 -4.07	30.30 1.88 -2.65	29.78 2.18 0.00	30.67 2.31 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.20 2.30 -1.35	36.95 2.54 -4.48	41.83 2.69 -4.21	49.86 3.01 -4.42	44.22 2.87 -0.87	39.32 2.82 -0.38	37.37 2.73 -0.06	34.89 2.49 0.00	33.00 2.29 -0.19	31.51 1.81 0.00
KIAC_JFK_GT2 23817	34.01 1.50 -5.68	31.56 1.39 -3.97	30.80 1.22 -4.62	30.06 1.04 -8.27	30.23 1.05 -8.27	29.69 1.15 -7.22	32.10 1.64 -3.53	33.21 1.85 -3.71	32.34 1.95 -4.07	30.30 1.88 -2.65	29.78 2.18 0.00	30.67 2.31 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.20 2.30 -1.35	36.95 2.54 -4.48	41.83 2.69 -4.21	49.86 3.01 -4.42	44.22 2.87 -0.87	39.32 2.82 -0.38	37.37 2.73 -0.06	34.89 2.49 0.00	33.00 2.29 -0.19	31.51 1.81 0.00
KIAC_JFK____ 323774	34.01 1.50 -5.68	31.56 1.39 -3.97	30.80 1.22 -4.62	30.06 1.04 -8.27	30.23 1.05 -8.27	29.71 1.17 -7.22	32.10 1.64 -3.53	33.21 1.85 -3.71	32.34 1.95 -4.07	30.30 1.88 -2.65	29.78 2.18 0.00	30.67 2.31 -0.19	31.50 2.34 -1.31	31.67 2.43 -0.34	33.20 2.31 -1.35	36.95 2.54 -4.48	41.83 2.69 -4.21	49.86 3.01 -4.42	44.22 2.87 -0.87	39.32 2.82 -0.38	37.16 2.52 -0.06	34.89 2.49 0.00	33.00 2.29 -0.19	31.48 1.78 0.00
KINTIGH____ 23543	25.50 -1.69 -0.36	24.73 -1.73 -0.26	23.53 -1.72 -0.30	20.66 -1.22 -1.14	20.92 -1.13 -1.14	21.27 -1.04 -0.99	26.04 -1.37 -0.49	26.41 -1.80 -0.57	25.18 -1.76 -0.62	24.50 -1.68 -0.40	25.50 -2.10 0.00	26.34 -1.86 -0.03	26.24 -1.81 -0.20	27.05 -1.91 -0.05	27.97 -1.77 -0.20	28.99 -1.56 -0.62	33.65 -1.92 -0.64	40.55 -2.55 -0.67	38.02 -2.59 -0.13	33.57 -2.60 -0.06	31.82 -2.77 -0.01	30.23 -2.17 0.00	28.41 -2.14 -0.03	27.88 -1.81 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	3.37 -2.58 20.88	1.91 -2.59 21.69	1.50 -2.62 20.83	1.34 -2.18 17.24	1.30 -2.24 17.37	1.26 -2.35 17.71	3.23 -2.88 20.81	10.16 -2.96 14.53	1.43 -2.90 22.00	1.38 -2.83 21.56	1.47 -3.01 23.13	2.26 -2.96 22.95	2.29 -2.87 22.69	2.35 -2.95 23.60	2.31 -3.07 24.16	12.24 -3.14 14.55	31.56 -3.46 -0.09	38.40 -4.11 -0.09	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.51 -2.07 0.00	30.16 -2.24 0.00	29.00 -1.53 0.00	28.09 -1.60 0.00
LACHUTE__HYDRO 323717	35.62 2.20 -6.59	32.93 2.12 -4.61	32.21 1.90 -5.36	31.96 1.62 -9.59	32.17 1.67 -9.59	31.46 1.77 -8.38	33.31 2.29 -4.10	34.13 2.18 -4.31	33.31 2.26 -4.72	30.83 1.98 -3.08	29.73 2.13 0.00	30.36 1.97 -0.21	31.29 1.92 -1.52	31.38 2.08 -0.39	33.42 2.31 -1.57	37.58 2.46 -5.19	43.03 3.21 -4.88	51.76 4.20 -5.13	45.33 3.85 -1.01	39.85 3.29 -0.44	37.93 3.29 -0.07	35.28 2.88 0.00	34.12 3.39 -0.21	32.57 2.88 0.00
LAWRNCV_115KV_TB1 80681	7.19 -2.20 17.44	5.92 -2.15 18.13	5.37 -2.17 17.41	4.63 -1.76 14.36	4.62 -1.82 14.47	4.65 -1.90 14.77	7.21 -2.32 17.40	13.10 -2.41 12.14	5.57 -2.37 18.39	5.39 -2.35 18.03	5.75 -2.48 19.37	6.50 -2.45 19.22	6.49 -2.37 18.99	6.68 -2.46 19.77	6.75 -2.57 20.23	15.13 -2.66 12.14	32.11 -2.93 -0.11	39.06 -3.48 -0.12	37.83 -2.67 -0.02	34.36 -1.77 -0.01	32.92 -1.66 0.00	30.52 -1.88 0.00	29.27 -1.25 0.00	28.30 -1.40 0.00
LEDERLE____ 23769	34.07 1.66 -5.57	31.64 1.55 -3.90	30.88 1.40 -4.53	30.07 1.20 -8.11	30.24 1.21 -8.11	29.71 1.30 -7.09	32.09 1.70 -3.47	33.14 1.85 -3.64	32.13 1.82 -3.99	30.15 1.78 -2.60	29.64 2.04 0.00	30.41 2.06 -0.18	31.20 2.06 -1.29	31.32 2.08 -0.33	33.00 2.13 -1.33	36.75 2.42 -4.39	41.78 2.72 -4.13	50.07 3.31 -4.34	44.45 3.12 -0.85	39.24 2.75 -0.37	37.23 2.59 -0.06	34.80 2.40 0.00	32.87 2.17 -0.18	31.51 1.81 0.00
LIGHTHSE_115KV_TB6 355974	25.11 -0.43 1.29	24.29 -0.42 1.49	23.18 -0.40 1.37	19.63 -0.33 0.79	19.75 -0.36 0.80	20.02 -0.38 0.91	25.01 -0.46 1.45	26.31 -0.41 0.92	24.35 -0.47 1.51	23.72 -0.46 1.58	25.10 -0.58 1.92	25.69 -0.59 1.89	25.51 -0.56 1.78	26.43 -0.55 1.93	27.08 -0.56 1.90	28.50 -0.57 0.86	34.74 -0.52 -0.33	42.05 -0.72 -0.35	39.90 -0.65 -0.07	35.68 -0.47 -0.03	34.14 -0.45 0.00	31.94 -0.45 0.00	30.02 -0.52 -0.01	29.31 -0.39 0.00
LINDEN COGEN____ 23786	34.25 1.74 -5.68	31.80 1.62 -3.97	31.02 1.45 -4.62	30.25 1.22 -8.27	30.42 1.23 -8.27	29.86 1.32 -7.22	32.21 1.75 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.61 2.25 -0.19	31.45 2.28 -1.31	31.64 2.40 -0.34	33.20 2.31 -1.35	36.95 2.54 -4.48	41.97 2.83 -4.21	50.24 3.40 -4.42	44.54 3.20 -0.87	39.39 2.89 -0.38	37.20 2.56 -0.06	34.93 2.53 0.00	33.06 2.35 -0.19	31.62 1.93 0.00
LINDHRST_69_KV_BK1 356055	34.93 2.41 -5.68	32.24 2.07 -3.98	31.32 1.75 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.27 1.73 -7.22	32.75 2.29 -3.53	33.62 2.27 -3.71	32.87 2.47 -4.07	30.72 2.29 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.86 2.70 -1.31	32.20 2.95 -0.35	33.90 2.98 -1.37	41.02 3.26 -7.82	45.46 3.56 -6.97	59.99 4.24 -13.33	53.45 4.05 -8.92	46.90 3.65 -7.13	43.49 3.53 -5.38	40.87 3.30 -5.17	33.80 3.08 -0.20	32.38 2.67 -0.01
LIPA_MISC_IPP 23656	34.90 2.39 -5.68	32.17 1.99 -3.98	31.25 1.67 -4.62	30.50 1.47 -8.27	30.67 1.48 -8.27	30.25 1.71 -7.22	32.69 2.23 -3.53	33.54 2.18 -3.71	32.84 2.45 -4.07	30.67 2.24 -2.65	30.03 2.43 0.00	31.06 2.70 -0.19	31.72 2.56 -1.31	32.06 2.80 -0.35	33.84 2.92 -1.37	40.65 3.20 -7.52	45.21 3.56 -6.71	59.00 4.07 -12.50	52.50 3.85 -8.17	46.24 3.61 -6.51	42.93 3.46 -4.89	40.23 3.14 -4.69	33.68 2.96 -0.19	32.17 2.46 -0.01
LISF__SOLAR 323691	34.93 2.42 -5.68	32.22 2.04 -3.98	31.25 1.67 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.29 1.75 -7.22	32.75 2.29 -3.53	33.59 2.24 -3.71	32.87 2.47 -4.07	30.72 2.29 -2.65	30.06 2.46 0.00	31.09 2.73 -0.19	31.64 2.48 -1.31	32.20 2.95 -0.35	33.90 2.98 -1.37	40.72 3.26 -7.52	45.28 3.63 -6.71	59.09 4.16 -12.51	52.59 3.93 -8.18	46.35 3.72 -6.51	42.90 3.42 -4.89	40.18 3.08 -4.70	33.71 2.99 -0.19	32.43 2.73 -0.01



LITTLE FALLS___HYD 24013	26.81 -0.11 -0.08	26.15 -0.10 -0.06	24.89 -0.12 -0.07	20.77 -0.10 -0.12	20.93 -0.10 -0.12	21.32 -0.11 -0.11	26.87 -0.11 -0.05	27.62 -0.08 -0.05	26.31 -0.08 -0.06	25.71 -0.10 -0.04	27.52 -0.08 0.00	28.09 -0.08 0.00	27.78 -0.08 -0.02	28.85 -0.06 -0.01	29.47 -0.09 -0.02	29.91 -0.09 -0.07	35.03 0.03 -0.06	42.57 0.08 -0.07	40.65 0.16 -0.01	36.38 0.25 -0.01	34.89 0.31 0.00	32.69 0.29 0.00	30.95 0.43 0.00	30.14 0.45 0.00
LITTLRIV_115KV_TB1 356100	7.81 -1.96 17.06	6.54 -1.91 17.74	5.97 -1.95 17.03	5.13 -1.58 14.05	5.12 -1.63 14.16	5.14 -1.73 14.45	7.82 -2.07 17.03	13.64 -2.13 11.87	6.17 -2.16 17.99	5.91 -2.22 17.65	6.29 -2.35 18.96	7.05 -2.31 18.82	7.03 -2.23 18.59	7.28 -2.28 19.35	7.35 -2.39 19.80	15.60 -2.45 11.88	32.46 -2.59 -0.11	39.57 -2.97 -0.12	38.36 -2.15 -0.02	34.86 -1.26 -0.01	33.37 -1.21 0.00	30.91 -1.49 0.00	29.64 -0.89 -0.01	28.63 -1.07 0.00
LI_NEWBRDGE___DRP 323616	34.50 1.99 -5.68	31.85 1.68 -3.98	31.00 1.42 -4.62	30.25 1.22 -8.27	30.44 1.25 -8.27	29.95 1.41 -7.22	32.34 1.88 -3.53	33.26 1.91 -3.71	32.47 2.08 -4.07	30.36 1.93 -2.65	29.78 2.18 0.00	30.72 2.37 -0.19	31.47 2.31 -1.31	31.74 2.49 -0.35	33.37 2.45 -1.37	39.94 2.66 -7.34	44.40 2.90 -6.56	57.84 3.39 -12.03	51.42 3.20 -7.74	45.19 2.93 -6.15	42.02 2.84 -4.61	39.47 2.66 -4.42	33.25 2.53 -0.19	31.87 2.17 -0.01
LOCKPORT_115KV_TB60_63_64 80432	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.09 -2.15 -0.29	20.35 -1.64 -1.24	20.63 -1.53 -1.24	20.97 -1.43 -1.08	25.57 -1.88 -0.53	25.79 -2.32 -0.47	24.52 -2.32 -0.51	23.86 -2.24 -0.34	25.34 -2.26 0.00	25.97 -2.23 -0.03	25.68 -2.34 -0.17	26.56 -2.40 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.67	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.56 -3.04 -0.11	33.14 -3.03 -0.05	31.75 -2.84 -0.01	30.26 -2.14 0.00	28.11 -2.44 -0.03	27.91 -1.78 0.00
LOCKPORT___CC1 323769	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.12 -2.12 -0.29	20.36 -1.64 -1.25	20.64 -1.53 -1.25	20.98 -1.43 -1.09	25.57 -1.89 -0.53	25.79 -2.32 -0.47	24.55 -2.29 -0.51	23.89 -2.22 -0.34	25.37 -2.23 0.00	25.95 -2.25 -0.03	25.68 -2.34 -0.17	26.58 -2.37 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.68	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.51 -3.08 -0.11	33.10 -3.07 -0.05	32.38 -2.21 -0.01	30.26 -2.14 0.00	28.08 -2.47 -0.03	27.91 -1.78 0.00
LOCKPORT___CC2 323770	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.12 -2.12 -0.29	20.36 -1.64 -1.25	20.64 -1.53 -1.25	20.98 -1.43 -1.09	25.57 -1.89 -0.53	25.79 -2.32 -0.47	24.55 -2.29 -0.51	23.89 -2.22 -0.34	25.37 -2.23 0.00	25.95 -2.25 -0.03	25.68 -2.34 -0.17	26.58 -2.37 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.68	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.51 -3.08 -0.11	33.10 -3.07 -0.05	32.38 -2.21 -0.01	30.26 -2.14 0.00	28.08 -2.47 -0.03	27.91 -1.78 0.00
LOCKPORT___CC3 323771	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.12 -2.12 -0.29	20.36 -1.64 -1.25	20.64 -1.53 -1.25	20.98 -1.43 -1.09	25.57 -1.89 -0.53	25.79 -2.32 -0.47	24.55 -2.29 -0.51	23.89 -2.22 -0.34	25.37 -2.23 0.00	25.95 -2.25 -0.03	25.68 -2.34 -0.17	26.58 -2.37 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.68	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.51 -3.08 -0.11	33.10 -3.07 -0.05	32.38 -2.21 -0.01	30.26 -2.14 0.00	28.08 -2.47 -0.03	27.91 -1.78 0.00
LONG_LAKE_PHOENIX 24014	26.42 -0.38 0.03	25.63 -0.37 0.20	24.48 -0.35 0.12	20.73 -0.31 -0.29	20.88 -0.31 -0.28	21.20 -0.30 -0.18	26.33 -0.38 0.22	27.24 -0.36 0.04	25.76 -0.37 0.20	25.10 -0.36 0.31	26.58 -0.44 0.58	27.16 -0.45 0.56	26.95 -0.45 0.46	27.91 -0.43 0.56	28.61 -0.44 0.49	29.42 -0.54 -0.02	34.67 -0.63 -0.37	42.05 -0.76 -0.39	39.79 -0.77 -0.08	35.39 -0.76 -0.03	33.83 -0.76 0.00	31.72 -0.68 0.00	29.84 -0.70 -0.02	29.16 -0.53 0.00
LOVETT___3 23632	33.97 1.56 -5.59	31.55 1.44 -3.91	30.79 1.30 -4.54	30.00 1.12 -8.13	30.17 1.13 -8.13	29.63 1.22 -7.10	31.99 1.59 -3.47	33.03 1.74 -3.65	32.04 1.71 -4.00	30.05 1.68 -2.61	29.50 1.90 0.00	30.30 1.94 -0.18	31.09 1.95 -1.29	31.21 1.97 -0.33	32.88 2.01 -1.33	36.61 2.27 -4.40	41.62 2.55 -4.14	49.82 3.05 -4.35	44.20 2.87 -0.85	39.06 2.56 -0.37	37.06 2.42 -0.06	34.63 2.24 0.00	32.75 2.04 -0.18	31.39 1.69 0.00
LOVETT___4 23642	33.97 1.56 -5.59	31.55 1.44 -3.91	30.79 1.30 -4.54	30.00 1.12 -8.13	30.17 1.13 -8.13	29.63 1.22 -7.10	31.99 1.59 -3.47	33.03 1.74 -3.65	32.04 1.71 -4.00	30.05 1.68 -2.61	29.50 1.90 0.00	30.30 1.94 -0.18	31.09 1.95 -1.29	31.21 1.97 -0.33	32.88 2.01 -1.33	36.61 2.27 -4.40	41.62 2.55 -4.14	49.82 3.05 -4.35	44.20 2.87 -0.85	39.06 2.56 -0.37	37.06 2.42 -0.06	34.63 2.24 0.00	32.75 2.04 -0.18	31.39 1.69 0.00
LOVETT___5 23593	33.97 1.56 -5.59	31.55 1.44 -3.91	30.79 1.30 -4.54	30.00 1.12 -8.13	30.17 1.13 -8.13	29.63 1.22 -7.10	31.99 1.59 -3.47	33.03 1.74 -3.65	32.04 1.71 -4.00	30.05 1.68 -2.61	29.50 1.90 0.00	30.30 1.94 -0.18	31.09 1.95 -1.29	31.21 1.97 -0.33	32.88 2.01 -1.33	36.61 2.27 -4.40	41.62 2.55 -4.14	49.82 3.05 -4.35	44.20 2.87 -0.85	39.06 2.56 -0.37	37.06 2.42 -0.06	34.63 2.24 0.00	32.75 2.04 -0.18	31.39 1.69 0.00
LOWER RAQUET___HYD 24057	7.95 -2.17 16.71	6.70 -2.12 17.38	6.12 -2.15 16.68	5.26 -1.74 13.75	5.25 -1.80 13.86	5.29 -1.88 14.15	7.96 -2.29 16.68	13.67 -2.35 11.63	6.36 -2.34 17.62	6.14 -2.34 17.29	6.54 -2.48 18.57	7.31 -2.42 18.43	7.30 -2.34 18.21	7.50 -2.46 18.95	7.61 -2.54 19.39	15.66 -2.63 11.63	32.19 -2.86 -0.12	39.15 -3.40 -0.12	37.91 -2.59 -0.02	34.43 -1.70 -0.01	32.96 -1.62 0.00	30.55 -1.85 0.00	29.34 -1.19 -0.01	28.33 -1.37 0.00
LOWER___HUDSON 24059	34.37 1.05 -6.49	31.76 1.02 -4.54	31.18 0.95 -5.28	30.99 0.79 -9.45	31.15 0.79 -9.45	30.42 0.85 -8.25	32.04 1.08 -4.04	32.97 1.08 -4.24	32.03 1.05 -4.65	29.84 1.03 -3.03	28.71 1.11 0.00	29.51 1.13 -0.21	30.43 1.08 -1.50	30.48 1.19 -0.39	32.30 1.21 -1.55	36.33 1.29 -5.11	41.28 1.54 -4.81	49.34 1.86 -5.06	43.29 1.82 -0.99	38.14 1.59 -0.43	36.13 1.49 -0.06	33.86 1.46 0.00	32.11 1.37 -0.21	30.82 1.13 0.00
LOWVILLE_115KV_TB2 356335	21.79 -0.64 4.39	20.93 -0.63 4.64	19.88 -0.65 4.42	16.74 -0.52 3.49	16.85 -0.54 3.52	17.13 -0.55 3.64	21.84 -0.62 4.46	24.00 -0.58 3.07	20.97 -0.66 4.70	20.31 -0.80 4.66	21.58 -0.91 5.11	22.18 -0.93 5.06	22.05 -0.84 4.96	22.93 -0.78 5.20	23.40 -0.86 5.29	26.14 -0.75 3.04	34.56 -0.56 -0.18	42.06 -0.55 -0.19	40.23 -0.28 -0.04	36.57 0.43 -0.02	34.93 0.35 0.00	32.50 0.10 0.00	30.65 0.12 -0.01	29.75 0.06 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	34.64 1.23 -6.58	32.01 1.21 -4.60	31.40 1.10 -5.35	31.24 0.91 -9.58	31.43 0.94 -9.58	30.66 0.98 -8.36	32.28 1.27 -4.09	33.19 1.24 -4.30	32.30 1.26 -4.71	30.00 1.16 -3.07	28.87 1.27 0.00	29.60 1.21 -0.21	30.57 1.20 -1.52	30.57 1.27 -0.39	32.50 1.39 -1.57	36.61 1.50 -5.18	41.63 1.82 -4.88	49.84 2.29 -5.13	43.63 2.15 -1.00	38.40 1.84 -0.44	36.48 1.83 -0.07	34.05 1.65 0.00	32.54 1.80 -0.21	31.18 1.48 0.00



LUTHERNY_35_KV_BK2 355980	34.64 1.23 -6.58	32.01 1.21 -4.60	31.40 1.10 -5.35	31.26 0.93 -9.58	31.43 0.94 -9.58	30.68 1.00 -8.36	32.28 1.27 -4.09	33.19 1.24 -4.30	32.30 1.26 -4.71	30.00 1.16 -3.07	28.87 1.27 0.00	29.63 1.24 -0.21	30.57 1.20 -1.52	30.60 1.30 -0.39	32.50 1.39 -1.57	36.61 1.50 -5.18	41.66 1.85 -4.88	49.88 2.33 -5.13	43.63 2.15 -1.00	38.44 1.88 -0.44	36.51 1.87 -0.07	34.08 1.68 0.00	32.54 1.80 -0.21	31.18 1.48 0.00
LWR___OSWEGATCHIE_HYD 23850	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.75 -1.84 12.27	14.27 -1.85 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.17 0.00	29.70 -0.82 -0.01	28.77 -0.92 0.00
LYONS_FALL_HYD 23570	23.87 -0.22 2.74	23.07 -0.21 2.92	21.95 -0.23 2.77	18.46 -0.17 2.13	18.60 -0.17 2.15	18.89 -0.19 2.24	23.95 -0.16 2.81	25.62 -0.11 1.92	23.21 -0.16 2.96	22.54 -0.28 2.95	24.00 -0.33 3.27	24.60 -0.34 3.24	24.41 -0.28 3.16	25.35 -0.23 3.32	25.88 -0.30 3.37	27.86 -0.18 1.89	35.14 0.03 -0.17	42.73 0.13 -0.18	40.76 0.24 -0.03	36.82 0.68 -0.02	35.21 0.62 0.00	32.79 0.39 0.00	30.90 0.37 -0.01	30.02 0.33 0.00
MADISON___COUNTY_LFGE 323628	26.94 0.51 0.40	26.19 0.52 0.54	24.99 0.50 0.46	21.06 0.42 0.10	21.22 0.42 0.11	21.58 0.45 0.19	27.01 0.62 0.53	28.04 0.69 0.29	26.39 0.61 0.54	25.67 0.52 0.62	27.31 0.55 0.84	27.88 0.54 0.82	27.69 0.58 0.74	28.73 0.66 0.84	29.37 0.62 0.79	30.41 0.72 0.24	36.18 0.98 -0.27	43.94 1.23 -0.28	41.71 1.17 -0.06	37.30 1.16 -0.02	35.69 1.11 0.00	33.34 0.94 0.00	31.30 0.76 -0.01	30.53 0.83 0.00
MALONE___115KV_TB1 356076	4.62 -2.60 19.60	3.26 -2.57 20.37	2.80 -2.59 19.56	2.45 -2.14 16.17	2.42 -2.20 16.29	2.42 -2.28 16.62	4.58 -2.80 19.55	11.16 -2.85 13.64	2.85 -2.82 20.66	2.76 -2.76 20.25	2.94 -2.93 21.73	3.73 -2.87 21.57	3.74 -2.78 21.32	3.84 -2.89 22.18	3.83 -3.01 22.70	13.16 -3.11 13.66	31.57 -3.46 -0.10	38.41 -4.11 -0.10	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.51 -2.07 0.00	30.13 -2.27 0.00	28.97 -1.56 0.00	28.00 -1.69 0.00
MAPLEWOD_115KV_TB3 80458	34.10 0.80 -6.46	31.51 0.79 -4.52	30.93 0.72 -5.26	30.76 0.60 -9.40	30.92 0.61 -9.40	30.19 0.66 -8.21	31.75 0.81 -4.02	32.64 0.77 -4.22	31.77 0.82 -4.63	29.59 0.80 -3.02	28.51 0.91 0.00	29.31 0.93 -0.21	30.21 0.86 -1.49	30.25 0.95 -0.39	32.06 0.97 -1.54	36.04 1.02 -5.09	40.98 1.26 -4.79	48.98 1.53 -5.03	42.92 1.46 -0.99	37.81 1.26 -0.43	35.93 1.28 -0.06	33.56 1.17 0.00	31.86 1.13 -0.21	30.50 0.80 0.00
MAPLE_RIDGE_WT_1 323574	1.70 -1.42 23.71	0.23 -1.39 24.58	0.00 -1.32 23.63	0.00 -1.10 19.65	0.00 -1.11 19.80	0.00 -1.15 20.17	1.92 -1.43 23.58	9.69 -1.47 16.49	0.00 -1.40 24.93	0.00 -1.37 24.40	0.00 -1.49 26.11	0.76 -1.49 25.92	0.72 -1.48 25.65	0.69 -1.56 26.66	0.66 -1.57 27.31	11.82 -1.59 16.53	33.22 -1.71 0.00	40.43 -1.99 0.00	38.86 -1.62 0.00	34.96 -1.16 0.00	33.51 -1.07 0.00	31.36 -1.04 0.00	29.82 -0.70 0.00	28.92 -0.77 0.00
MAPLE_RIDGE_WT_2 323611	1.70 -1.42 23.71	0.23 -1.39 24.58	0.00 -1.32 23.63	0.00 -1.10 19.65	0.00 -1.11 19.80	0.00 -1.15 20.17	1.92 -1.43 23.58	9.69 -1.47 16.49	0.00 -1.40 24.93	0.00 -1.37 24.40	0.00 -1.49 26.11	0.76 -1.49 25.92	0.72 -1.48 25.65	0.69 -1.56 26.66	0.66 -1.57 27.31	11.82 -1.59 16.53	33.22 -1.71 0.00	40.43 -1.99 0.00	38.86 -1.62 0.00	34.96 -1.16 0.00	33.51 -1.07 0.00	31.36 -1.04 0.00	29.82 -0.70 0.00	28.92 -0.77 0.00
MARBLE_RIVER_WT_PWR 323696	2.86 -2.98 20.99	1.41 -2.99 21.80	1.04 -2.97 20.94	0.96 -2.47 17.33	0.92 -2.53 17.46	0.87 -2.64 17.81	2.69 -3.31 20.92	9.61 -3.43 14.61	0.92 -3.29 22.11	0.88 -3.22 21.67	0.91 -3.45 23.24	1.69 -3.41 23.07	1.73 -3.31 22.81	1.71 -3.47 23.72	1.71 -3.55 24.29	11.66 -3.65 14.62	30.97 -4.05 -0.09	37.68 -4.84 -0.09	36.53 -3.97 -0.02	33.20 -2.92 -0.01	31.78 -2.80 0.00	29.58 -2.82 0.00	28.51 -2.02 0.00	27.59 -2.11 0.00
MARSHVLE_115KV_TB1 80742	35.63 1.45 -7.35	32.78 1.44 -5.14	32.23 1.30 -5.98	32.57 1.12 -10.69	32.76 1.15 -10.69	31.85 1.19 -9.34	33.06 1.56 -4.57	34.02 1.58 -4.80	33.14 1.55 -5.26	30.41 1.21 -3.43	28.81 1.21 0.00	29.57 1.16 -0.24	30.52 0.97 -1.70	30.53 1.19 -0.44	32.65 1.36 -1.75	37.46 1.74 -5.79	42.85 2.48 -5.44	51.37 3.22 -5.72	44.60 3.00 -1.12	39.17 2.56 -0.49	37.18 2.52 -0.07	34.73 2.33 0.00	32.81 2.04 -0.24	31.42 1.72 0.00
MARSH_HILL_WT_PWR 323713	24.30 -2.33 0.19	23.75 -2.33 0.12	22.66 -2.15 0.15	20.76 -1.74 -1.75	21.03 -1.63 -1.75	21.31 -1.54 -1.53	25.87 -1.80 -0.75	26.58 -1.80 -0.73	25.26 -1.87 -0.80	24.47 -1.83 -0.53	26.25 -1.35 0.00	26.46 -1.75 -0.04	26.16 -1.95 -0.26	27.44 -1.53 -0.07	28.13 -1.68 -0.27	29.62 -1.26 -0.95	34.54 -1.22 -0.83	42.15 -1.14 -0.87	39.56 -1.09 -0.17	35.15 -1.05 -0.08	34.39 -0.21 -0.01	32.14 -0.26 0.00	29.58 -0.98 -0.04	29.52 -0.18 0.00
MCINTYRE_115KV_TB2 80467	7.29 -1.90 17.63	6.01 -1.86 18.33	5.46 -1.90 17.60	4.70 -1.54 14.52	4.71 -1.57 14.63	4.72 -1.66 14.93	7.34 -1.99 17.59	13.30 -2.07 12.27	5.58 -2.16 18.59	5.30 -2.24 18.23	5.65 -2.37 19.58	6.40 -2.34 19.43	6.36 -2.28 19.20	6.59 -2.34 19.98	6.67 -2.42 20.45	15.23 -2.42 12.28	32.49 -2.55 -0.11	39.65 -2.88 -0.12	38.52 -1.98 -0.02	35.01 -1.12 -0.01	33.51 -1.07 0.00	31.01 -1.39 0.00	29.76 -0.76 0.00	28.74 -0.95 0.00
MECO_____69_KV_BK1 80468	35.65 1.74 -7.08	32.88 1.73 -4.95	32.25 1.55 -5.76	32.38 1.33 -10.30	32.57 1.36 -10.30	31.72 1.41 -9.00	33.18 1.86 -4.40	34.06 1.80 -4.62	33.18 1.79 -5.06	30.52 1.44 -3.30	29.06 1.46 0.00	29.87 1.46 -0.23	30.85 1.36 -1.64	30.89 1.56 -0.42	33.00 1.77 -1.69	37.63 2.13 -5.57	43.07 2.90 -5.24	51.67 3.73 -5.51	45.04 3.48 -1.08	39.55 2.96 -0.47	37.59 2.94 -0.07	35.05 2.66 0.00	33.13 2.38 -0.23	31.71 2.02 0.00
MENANDS___115KV_TB5 355628	33.98 0.70 -6.45	31.37 0.65 -4.51	30.80 0.60 -5.25	30.64 0.50 -9.39	30.80 0.50 -9.39	30.07 0.55 -8.20	31.64 0.70 -4.01	32.50 0.64 -4.22	31.63 0.68 -4.62	29.48 0.70 -3.01	28.40 0.80 0.00	29.20 0.82 -0.21	30.12 0.78 -1.49	30.13 0.84 -0.39	31.94 0.86 -1.54	35.88 0.87 -5.08	40.76 1.05 -4.78	48.72 1.27 -5.03	42.68 1.21 -0.99	37.63 1.08 -0.43	35.72 1.07 -0.06	33.37 0.97 0.00	31.71 0.98 -0.21	30.35 0.65 0.00
MG INDUSTRY___DRP 24185	33.84 0.67 -6.34	31.29 0.65 -4.44	30.73 0.62 -5.16	30.50 0.52 -9.23	30.67 0.52 -9.23	29.94 0.55 -8.06	31.54 0.67 -3.95	32.40 0.61 -4.14	31.50 0.63 -4.54	29.33 0.59 -2.96	28.26 0.66 0.00	29.05 0.68 -0.21	29.95 0.64 -1.47	29.98 0.69 -0.38	31.79 0.74 -1.51	35.71 0.78 -5.00	40.61 0.98 -4.70	48.59 1.23 -4.94	42.58 1.13 -0.97	37.55 1.01 -0.42	35.68 1.04 -0.06	33.34 0.94 0.00	31.64 0.92 -0.21	30.35 0.65 0.00



MID___OSWEGATCHIE_HYD 23849	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.75 -1.84 12.27	14.27 -1.85 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.17 0.00	29.70 -0.82 -0.01	28.77 -0.92 0.00
MID___RAQUETTE_HYD 23851	7.95 -2.17 16.71	6.70 -2.12 17.38	6.12 -2.15 16.68	5.26 -1.74 13.75	5.25 -1.80 13.86	5.30 -1.88 14.15	7.96 -2.29 16.68	13.67 -2.35 11.63	6.36 -2.34 17.62	6.14 -2.35 17.29	6.54 -2.48 18.57	7.32 -2.42 18.43	7.30 -2.34 18.21	7.52 -2.43 18.95	7.61 -2.54 19.39	15.66 -2.63 11.63	32.18 -2.86 -0.12	39.15 -3.39 -0.12	37.91 -2.59 -0.02	34.43 -1.70 -0.01	32.99 -1.59 0.00	30.55 -1.85 0.00	29.31 -1.22 -0.01	28.33 -1.37 0.00
MILLIKEN___1 23584	29.94 0.32 -2.79	28.43 0.29 -1.94	27.54 0.32 -2.26	22.81 0.27 -1.78	22.99 0.29 -1.78	23.22 0.34 -1.56	28.14 0.46 -0.76	29.02 0.58 -0.79	27.67 0.47 -0.87	26.75 0.41 -0.57	28.07 0.47 0.00	28.63 0.42 -0.04	28.49 0.36 -0.28	29.41 0.43 -0.07	30.27 0.44 -0.29	31.47 0.57 -0.97	36.60 0.77 -0.90	44.38 1.02 -0.94	41.59 0.93 -0.19	36.99 0.79 -0.08	35.39 0.80 -0.01	33.14 0.75 0.00	31.02 0.46 -0.04	30.29 0.59 0.00
MILLIKEN___2 23585	29.94 0.32 -2.79	28.43 0.29 -1.94	27.54 0.32 -2.26	22.81 0.27 -1.78	22.99 0.29 -1.78	23.22 0.34 -1.56	28.14 0.46 -0.76	29.02 0.58 -0.79	27.67 0.47 -0.87	26.75 0.41 -0.57	28.07 0.47 0.00	28.63 0.42 -0.04	28.49 0.36 -0.28	29.41 0.43 -0.07	30.27 0.44 -0.29	31.47 0.57 -0.97	36.60 0.77 -0.90	44.38 1.02 -0.94	41.59 0.93 -0.19	36.99 0.79 -0.08	35.39 0.80 -0.01	33.14 0.75 0.00	31.02 0.46 -0.04	30.29 0.59 0.00
MILLIKEN___DIESEL 23629	29.94 0.32 -2.79	28.43 0.29 -1.94	27.54 0.32 -2.26	22.81 0.27 -1.78	22.99 0.29 -1.78	23.22 0.34 -1.56	28.14 0.46 -0.76	29.02 0.58 -0.79	27.67 0.47 -0.87	26.75 0.41 -0.57	28.07 0.47 0.00	28.63 0.42 -0.04	28.49 0.36 -0.28	29.41 0.43 -0.07	30.27 0.44 -0.29	31.47 0.57 -0.97	36.60 0.77 -0.90	44.38 1.02 -0.94	41.59 0.93 -0.19	36.99 0.79 -0.08	35.39 0.80 -0.01	33.14 0.75 0.00	31.02 0.46 -0.04	30.29 0.59 0.00
MILLSEAT___LFGE 323607	25.39 -1.80 -0.35	24.67 -1.78 -0.25	23.52 -1.72 -0.29	20.63 -1.33 -1.20	20.93 -1.19 -1.20	21.31 -1.07 -1.05	26.01 -1.43 -0.51	26.34 -1.77 -0.47	24.97 -1.87 -0.51	24.30 -1.80 -0.34	25.75 -1.85 0.00	26.37 -1.83 -0.03	26.12 -1.89 -0.17	27.02 -1.83 -0.05	27.88 -1.83 -0.17	29.03 -1.56 -0.65	33.68 -1.78 -0.53	40.73 -2.25 -0.56	38.40 -2.19 -0.11	33.90 -2.27 -0.05	33.07 -1.52 -0.01	30.84 -1.55 0.00	28.66 -1.89 -0.03	28.39 -1.31 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	34.10 1.61 -5.66	31.66 1.49 -3.96	30.93 1.37 -4.61	30.16 1.16 -8.25	30.33 1.17 -8.25	29.76 1.24 -7.20	32.09 1.64 -3.52	33.11 1.77 -3.70	32.12 1.74 -4.05	30.12 1.70 -2.64	29.56 1.96 0.00	30.38 2.03 -0.18	31.16 2.01 -1.31	31.30 2.05 -0.34	32.99 2.10 -1.35	36.73 2.33 -4.46	41.75 2.62 -4.19	49.97 3.14 -4.41	44.30 2.95 -0.86	39.13 2.64 -0.38	37.16 2.52 -0.06	34.73 2.33 0.00	32.84 2.14 -0.18	31.48 1.78 0.00
MILLWOOD_13_KV_LOAD 356217	34.16 1.66 -5.66	31.71 1.55 -3.96	30.96 1.40 -4.61	30.18 1.18 -8.25	30.37 1.21 -8.25	29.80 1.28 -7.20	32.12 1.67 -3.52	33.14 1.80 -3.70	32.17 1.79 -4.05	30.17 1.75 -2.64	29.61 2.01 0.00	30.41 2.06 -0.18	31.22 2.06 -1.31	31.36 2.11 -0.34	33.05 2.16 -1.35	36.79 2.39 -4.46	41.85 2.72 -4.19	50.06 3.22 -4.41	44.42 3.08 -0.86	39.24 2.75 -0.38	37.23 2.59 -0.06	34.83 2.43 0.00	32.90 2.20 -0.18	31.51 1.81 0.00
MODEL_CITY_ENERGY 24167	24.76 -2.41 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.21 -1.81 -1.26	20.48 -1.69 -1.26	20.82 -1.60 -1.10	25.34 -2.13 -0.54	25.48 -2.63 -0.46	24.28 -2.55 -0.51	23.63 -2.47 -0.33	25.06 -2.54 0.00	25.69 -2.51 -0.03	25.43 -2.59 -0.17	26.30 -2.66 -0.05	27.15 -2.57 -0.17	28.28 -2.33 -0.68	32.60 -2.86 -0.53	39.33 -3.65 -0.55	37.07 -3.52 -0.11	32.70 -3.47 -0.05	31.96 -2.63 -0.01	29.87 -2.53 0.00	27.74 -2.81 -0.03	27.59 -2.11 0.00
MODERN_LFGE___ 323580	24.76 -2.41 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.21 -1.81 -1.26	20.48 -1.69 -1.26	20.82 -1.60 -1.10	25.34 -2.13 -0.54	25.48 -2.63 -0.46	24.28 -2.55 -0.51	23.63 -2.47 -0.33	25.06 -2.54 0.00	25.69 -2.51 -0.03	25.43 -2.59 -0.17	26.30 -2.66 -0.05	27.15 -2.57 -0.17	28.28 -2.33 -0.68	32.60 -2.86 -0.53	39.33 -3.65 -0.55	37.07 -3.52 -0.11	32.70 -3.47 -0.05	31.96 -2.63 -0.01	29.87 -2.53 0.00	27.74 -2.81 -0.03	27.59 -2.11 0.00
MOHAWK_PAPER___DRP 24187	34.10 0.80 -6.46	31.51 0.79 -4.52	30.93 0.72 -5.26	30.76 0.60 -9.40	30.92 0.61 -9.40	30.19 0.66 -8.21	31.75 0.81 -4.02	32.64 0.77 -4.22	31.77 0.82 -4.63	29.59 0.80 -3.02	28.51 0.91 0.00	29.31 0.93 -0.21	30.21 0.86 -1.49	30.25 0.95 -0.39	32.06 0.97 -1.54	36.04 1.02 -5.09	40.98 1.26 -4.79	48.98 1.53 -5.03	42.92 1.46 -0.99	37.81 1.26 -0.43	35.93 1.28 -0.06	33.56 1.17 0.00	31.86 1.13 -0.21	30.50 0.80 0.00
MOHICAN___35_KV_115KV_LD 80490	34.68 1.26 -6.58	32.04 1.23 -4.61	31.38 1.07 -5.36	31.25 0.91 -9.58	31.44 0.94 -9.58	30.69 1.00 -8.37	32.31 1.29 -4.10	33.22 1.27 -4.30	32.36 1.32 -4.72	30.03 1.19 -3.08	28.87 1.27 0.00	29.51 1.13 -0.21	30.46 1.09 -1.52	30.46 1.16 -0.39	32.41 1.30 -1.57	36.53 1.41 -5.19	41.63 1.82 -4.88	49.84 2.29 -5.13	43.59 2.10 -1.01	38.36 1.81 -0.44	36.48 1.83 -0.07	33.99 1.59 0.00	32.93 2.20 -0.21	31.54 1.84 0.00
MONGAUP___HYD 23641	33.74 1.53 -5.38	31.43 1.47 -3.76	30.67 1.35 -4.37	29.70 1.12 -7.83	29.89 1.15 -7.83	29.39 1.24 -6.84	31.86 1.59 -3.35	32.84 1.69 -3.51	31.81 1.63 -3.85	29.77 1.49 -2.51	29.28 1.68 0.00	30.01 1.66 -0.18	30.79 1.70 -1.24	31.05 1.82 -0.32	32.66 1.83 -1.28	36.30 2.13 -4.24	41.50 2.59 -3.98	49.88 3.27 -4.19	44.34 3.04 -0.82	39.19 2.71 -0.36	37.09 2.46 -0.05	34.70 2.30 0.00	32.74 2.05 -0.18	31.39 1.69 0.00
MONTAUK___DIESEL 23721	34.79 2.28 -5.68	32.03 1.86 -3.98	31.10 1.52 -4.62	30.35 1.33 -8.27	30.54 1.36 -8.27	30.14 1.60 -7.22	32.61 2.15 -3.53	33.40 2.05 -3.71	32.82 2.42 -4.07	30.56 2.14 -2.65	29.59 1.99 0.00	30.84 2.48 -0.19	31.47 2.31 -1.31	31.83 2.57 -0.35	33.69 2.78 -1.37	40.29 2.84 -7.52	44.96 3.32 -6.71	58.74 3.82 -12.50	52.26 3.60 -8.18	45.99 3.36 -6.51	42.59 3.11 -4.89	39.81 2.72 -4.69	33.22 2.50 -0.19	32.02 2.32 -0.01
MOONROAD_115KV_HARTFLD_TB1-2 355988	24.34 -2.82 -0.32	23.63 -2.80 -0.23	22.60 -2.62 -0.27	20.09 -2.10 -1.43	20.42 -1.92 -1.43	20.84 -1.73 -1.25	25.36 -2.18 -0.61	26.00 -2.18 -0.54	24.74 -2.19 -0.59	23.97 -2.19 -0.39	26.14 -1.46 0.00	26.37 -1.83 -0.03	25.82 -2.23 -0.19	26.74 -2.23 -0.06	27.59 -2.16 -0.20	28.97 -1.74 -0.78	33.76 -1.78 -0.61	41.12 -1.95 -0.64	38.83 -1.78 -0.13	34.30 -1.88 -0.06	33.52 -1.07 -0.01	31.82 -0.58 0.00	29.12 -1.43 -0.03	29.22 -0.48 0.00



MORRIS_RIDGE___SOLAR 323848	24.95 -2.07 -0.18	24.29 -2.04 -0.14	23.19 -1.92 -0.16	20.93 -1.51 -1.69	21.18 -1.42 -1.69	21.47 -1.32 -1.48	26.00 -1.64 -0.72	26.62 -1.71 -0.69	25.34 -1.74 -0.75	24.54 -1.73 -0.49	26.22 -1.38 0.00	26.52 -1.69 -0.04	26.20 -1.89 -0.25	27.41 -1.56 -0.07	28.02 -1.77 -0.25	29.44 -1.41 -0.91	34.21 -1.50 -0.78	41.59 -1.66 -0.82	39.06 -1.58 -0.16	34.68 -1.52 -0.07	33.90 -0.69 -0.01	31.69 -0.71 0.00	29.12 -1.43 -0.04	29.04 -0.65 0.00
MORTIMER_115KV_TB3 55949	26.15 -1.05 -0.36	25.38 -1.07 -0.26	24.18 -1.07 -0.30	21.04 -0.75 -1.04	21.28 -0.67 -1.04	21.67 -0.55 -0.91	26.59 -0.78 -0.44	27.12 -1.00 -0.47	25.77 -1.08 -0.52	25.13 -0.98 -0.34	26.28 -1.32 0.00	27.04 -1.16 -0.02	26.96 -1.06 -0.17	27.88 -1.07 -0.04	28.68 -1.03 -0.17	29.63 -0.87 -0.56	34.49 -0.98 -0.54	41.67 -1.32 -0.56	39.21 -1.38 -0.11	34.72 -1.44 -0.05	33.00 -1.59 -0.01	31.13 -1.26 0.00	29.29 -1.25 -0.02	28.63 -1.07 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	34.34 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.32 1.96 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.81 2.21 0.00	30.67 2.31 -0.19	31.47 2.31 -1.31	31.59 2.34 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.00
MUNSVILLE_WIND_PWR 323609	31.35 1.58 -2.94	29.82 1.57 -2.05	28.86 1.52 -2.38	25.17 1.35 -3.07	25.36 1.38 -3.07	25.43 1.43 -2.68	30.23 1.99 -1.31	31.22 2.21 -1.36	29.90 2.08 -1.50	28.55 1.80 -0.98	29.70 2.10 0.00	30.24 2.00 -0.07	30.34 2.01 -0.48	31.37 2.34 -0.13	32.05 2.01 -0.50	34.05 2.46 -1.66	39.76 3.28 -1.55	48.25 4.20 -1.63	44.85 4.05 -0.32	40.05 3.79 -0.14	38.34 3.74 -0.02	35.61 3.21 0.00	33.21 2.63 -0.07	32.46 2.76 0.00
N SALMON___HYD 24042	4.62 -2.60 19.60	3.26 -2.57 20.37	2.79 -2.60 19.56	2.45 -2.14 16.17	2.42 -2.20 16.29	2.42 -2.28 16.62	4.58 -2.80 19.55	11.16 -2.85 13.64	2.85 -2.82 20.66	2.76 -2.76 20.25	2.94 -2.93 21.73	3.76 -2.84 21.57	3.74 -2.78 21.32	3.81 -2.92 22.18	3.83 -3.01 22.70	13.16 -3.11 13.66	31.57 -3.46 -0.10	38.41 -4.11 -0.10	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.47 -2.11 0.00	30.13 -2.27 0.00	28.97 -1.56 0.00	28.00 -1.69 0.00
N.AKRON__115KV_KNAPP 355671	25.38 -1.80 -0.35	24.64 -1.81 -0.25	23.47 -1.77 -0.29	20.64 -1.33 -1.21	20.93 -1.19 -1.21	21.31 -1.07 -1.06	25.99 -1.45 -0.52	26.32 -1.80 -0.47	24.97 -1.87 -0.51	24.30 -1.80 -0.34	25.75 -1.85 0.00	26.40 -1.80 -0.03	26.12 -1.89 -0.17	27.05 -1.91 -0.05	27.85 -1.86 -0.17	29.03 -1.56 -0.66	33.68 -1.78 -0.53	40.69 -2.29 -0.56	38.36 -2.23 -0.11	33.89 -2.28 -0.05	32.45 -2.14 -0.01	30.81 -1.59 0.00	28.66 -1.89 -0.03	28.39 -1.31 0.00
N.BELMOR_69_KV_BK1 55787	34.69 2.17 -5.68	32.03 1.86 -3.98	31.17 1.60 -4.62	30.37 1.35 -8.27	30.56 1.38 -8.27	30.08 1.53 -7.22	32.53 2.07 -3.53	33.43 2.07 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.95 2.35 0.00	30.92 2.56 -0.19	31.67 2.51 -1.31	31.95 2.69 -0.35	33.60 2.69 -1.37	41.38 2.93 -8.52	45.66 3.18 -7.54	61.38 3.78 -15.18	54.68 3.60 -10.60	47.91 3.25 -8.54	44.18 3.11 -6.48	41.60 2.95 -6.25	33.50 2.78 -0.20	32.11 2.41 -0.01
N.E_GEN_SANDY PD 24062	34.20 1.29 -6.08	31.66 1.21 -4.25	31.02 1.12 -4.95	30.54 0.93 -8.85	30.71 0.94 -8.85	30.07 1.02 -7.73	32.00 1.29 -3.78	33.00 1.38 -3.97	31.97 1.29 -4.35	29.90 1.29 -2.84	29.03 1.43 0.00	29.83 1.46 -0.20	30.67 1.42 -1.40	30.83 1.56 -0.36	32.56 1.56 -1.45	36.40 1.68 -4.79	41.32 1.89 -4.50	49.40 2.25 -4.73	43.63 2.22 -0.93	38.51 1.99 -0.41	36.44 1.80 -0.06	34.39 1.81 -0.17	32.13 1.59 -0.02	31.00 1.31 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	33.99 1.58 -5.58	31.60 1.49 -3.90	30.84 1.35 -4.54	30.01 1.14 -8.12	30.21 1.17 -8.12	29.65 1.24 -7.09	32.04 1.64 -3.47	33.06 1.77 -3.64	32.06 1.74 -3.99	30.08 1.70 -2.60	29.56 1.96 0.00	30.35 2.00 -0.18	31.11 1.98 -1.29	31.23 1.99 -0.33	32.91 2.04 -1.33	36.66 2.33 -4.40	41.68 2.62 -4.13	49.95 3.18 -4.34	44.28 2.95 -0.85	39.09 2.60 -0.37	37.13 2.49 -0.06	34.70 2.30 0.00	32.81 2.11 -0.18	31.42 1.72 0.00
N.QUEENS_27_KV_LOAD 356247	34.48 1.96 -5.69	32.03 1.86 -3.97	31.22 1.65 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.88 1.34 -7.22	32.29 1.83 -3.53	33.32 1.96 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.23 2.33 -1.35	36.95 2.54 -4.48	41.90 2.76 -4.21	50.11 3.27 -4.42	44.50 3.16 -0.87	39.35 2.85 -0.38	37.30 2.66 -0.06	34.96 2.56 0.00	33.15 2.44 -0.19	31.87 2.17 -0.01
N.TROY___115KV_TB1 355778	34.37 1.05 -6.49	31.76 1.02 -4.54	31.18 0.95 -5.28	30.99 0.79 -9.45	31.16 0.79 -9.45	30.42 0.85 -8.25	32.04 1.08 -4.04	32.97 1.08 -4.24	32.03 1.05 -4.65	29.83 1.03 -3.03	28.70 1.10 0.00	29.51 1.13 -0.21	30.44 1.09 -1.50	30.48 1.19 -0.39	32.30 1.21 -1.55	36.33 1.29 -5.11	41.28 1.54 -4.81	49.35 1.87 -5.06	43.29 1.82 -0.99	38.14 1.59 -0.43	36.24 1.59 -0.06	33.86 1.46 0.00	32.14 1.40 -0.21	30.82 1.13 0.00
NARROWS_GT1_1 24228	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_2 24229	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_3 24230	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_4 24231	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01



NARROWS_GT1_5 24232	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_6 24233	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_7 24234	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT1_8 24235	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_1 24236	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_2 24237	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_3 24238	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_4 24239	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_5 24240	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_6 24241	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_7 24242	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NARROWS_GT2_8 24243	34.64 2.12 -5.69	32.16 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.54 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.49 2.06 -2.65	29.97 2.37 0.00	30.89 2.54 -0.19	31.72 2.56 -1.31	31.93 2.69 -0.34	33.46 2.57 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.77 -0.87	39.86 3.36 -0.38	37.61 2.97 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.11 2.40 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	33.67 0.64 -6.19	31.16 0.63 -4.33	30.56 0.57 -5.04	30.24 0.48 -9.01	30.43 0.50 -9.01	29.79 0.60 -7.87	31.48 0.70 -3.85	32.30 0.61 -4.05	31.42 0.66 -4.43	29.18 0.52 -2.89	28.29 0.69 0.00	29.02 0.65 -0.20	29.75 0.47 -1.43	30.03 0.75 -0.37	31.70 0.68 -1.48	35.59 0.78 -4.88	40.71 1.19 -4.59	48.90 1.65 -4.82	42.92 1.50 -0.95	38.01 1.48 -0.41	36.10 1.45 -0.06	33.69 1.30 0.00	31.97 1.25 -0.20	30.59 0.89 0.00
NCHELSEA_115KV_TR2 355582	34.17 1.66 -5.68	31.75 1.57 -3.97	30.99 1.42 -4.62	30.22 1.20 -8.27	30.41 1.23 -8.27	29.86 1.32 -7.22	32.15 1.70 -3.53	33.18 1.82 -3.71	32.18 1.79 -4.06	30.15 1.73 -2.65	29.59 1.99 0.00	30.36 2.00 -0.19	31.19 2.03 -1.31	31.33 2.08 -0.34	33.08 2.19 -1.35	36.83 2.42 -4.48	41.93 2.79 -4.21	50.24 3.39 -4.42	44.50 3.16 -0.87	39.28 2.78 -0.38	37.30 2.66 -0.06	34.83 2.43 0.00	32.90 2.20 -0.19	31.54 1.84 0.00
NEG CAPITAL___MECHNVIL 23645	34.67 1.29 -6.55	32.04 1.26 -4.58	31.43 1.15 -5.33	31.24 0.96 -9.54	31.43 0.98 -9.54	30.67 1.02 -8.33	32.32 1.32 -4.08	33.23 1.30 -4.28	32.34 1.32 -4.69	30.04 1.21 -3.06	28.92 1.32 0.00	29.68 1.30 -0.21	30.65 1.28 -1.52	30.69 1.39 -0.39	32.58 1.48 -1.56	36.68 1.59 -5.16	41.74 1.96 -4.86	49.94 2.42 -5.11	43.74 2.27 -1.00	38.54 1.99 -0.44	36.55 1.90 -0.06	34.15 1.75 0.00	32.53 1.80 -0.21	31.18 1.48 0.00



NEG CENTRAL_HIGH_ACRES 23767	25.98 -1.29 -0.44	25.20 -1.31 -0.31	24.07 -1.25 -0.36	20.83 -0.93 -1.01	21.05 -0.88 -1.01	21.42 -0.79 -0.89	26.31 -1.05 -0.43	26.92 -1.19 -0.47	25.60 -1.24 -0.51	24.94 -1.16 -0.33	26.11 -1.49 0.00	26.87 -1.32 -0.02	26.73 -1.28 -0.16	27.48 -1.47 -0.04	28.44 -1.27 -0.17	29.31 -1.17 -0.55	34.17 -1.29 -0.53	41.32 -1.66 -0.55	38.89 -1.70 -0.11	34.40 -1.77 -0.05	33.07 -1.52 -0.01	30.84 -1.55 0.00	29.08 -1.46 -0.02	28.33 -1.37 0.00
NEG CENTRAL___DRP 24199	26.88 -0.35 -0.40	26.12 -0.37 -0.28	24.95 -0.32 -0.33	21.64 -0.25 -1.13	21.84 -0.21 -1.13	22.18 -0.13 -0.99	27.25 -0.16 -0.48	28.07 -0.08 -0.51	26.70 -0.18 -0.55	25.93 -0.21 -0.36	27.41 -0.19 0.00	27.94 -0.25 -0.03	27.72 -0.31 -0.18	28.69 -0.26 -0.05	29.49 -0.24 -0.18	30.43 -0.12 -0.61	35.51 0.00 -0.57	43.11 0.08 -0.60	40.60 0.00 -0.12	36.06 -0.11 -0.05	34.52 -0.07 -0.01	32.40 0.00 0.00	30.24 -0.31 -0.03	29.64 -0.06 0.00
NEG CENTRAL___INDECK 23768	26.09 -0.88 -0.14	25.39 -0.92 -0.11	24.23 -0.85 -0.12	21.62 -0.60 -1.47	21.90 -0.48 -1.47	22.28 -0.32 -1.28	27.15 -0.40 -0.63	27.86 -0.41 -0.63	26.28 -0.74 -0.69	25.42 -0.80 -0.45	26.74 -0.86 0.00	27.28 -0.93 -0.03	27.07 -1.00 -0.22	28.04 -0.93 -0.06	28.98 -0.80 -0.23	30.31 -0.42 -0.80	35.44 -0.21 -0.71	43.17 0.00 -0.75	40.71 0.08 -0.15	36.04 -0.14 -0.07	34.97 0.38 -0.01	32.56 0.16 0.00	30.28 -0.28 -0.03	29.75 0.06 0.00
NEG CENTRAL___SENECA 23627	26.47 -0.51 -0.15	25.76 -0.55 -0.11	24.60 -0.47 -0.13	21.65 -0.35 -1.25	21.87 -0.29 -1.25	22.22 -0.19 -1.09	27.22 -0.24 -0.53	28.04 -0.17 -0.56	26.65 -0.29 -0.61	25.86 -0.31 -0.40	27.35 -0.25 0.00	27.86 -0.34 -0.03	27.63 -0.42 -0.20	28.55 -0.40 -0.05	29.39 -0.35 -0.20	30.49 -0.12 -0.68	35.60 0.03 -0.63	43.26 0.17 -0.66	40.69 0.08 -0.13	36.10 -0.07 -0.06	34.62 0.03 -0.01	32.50 0.10 0.00	30.24 -0.31 -0.03	29.69 0.00 0.00
NEG CENTRAL___STATE_STREET 24147	27.72 -0.05 -0.94	26.78 -0.08 -0.66	25.67 -0.05 -0.76	21.85 -0.02 -1.12	22.03 0.00 -1.12	22.34 0.04 -0.98	27.48 0.08 -0.48	28.29 0.14 -0.50	26.96 0.08 -0.55	26.18 0.05 -0.36	27.63 0.03 0.00	28.23 0.03 -0.03	28.03 0.00 -0.18	29.01 0.06 -0.05	29.81 0.09 -0.18	30.66 0.12 -0.60	35.71 0.21 -0.57	43.36 0.34 -0.60	40.84 0.24 -0.12	36.31 0.14 -0.05	34.73 0.14 -0.01	32.53 0.13 0.00	30.48 -0.06 -0.03	29.78 0.09 0.00
NEG MILLWOOD___DRP 24198	34.26 1.72 -5.71	31.82 1.62 -3.99	31.07 1.47 -4.64	30.33 1.27 -8.31	30.50 1.28 -8.31	29.96 1.39 -7.26	32.23 1.75 -3.55	33.28 1.91 -3.73	32.28 1.87 -4.08	30.27 1.83 -2.67	29.70 2.10 0.00	30.50 2.14 -0.19	31.34 2.17 -1.32	31.50 2.25 -0.34	33.24 2.33 -1.36	37.00 2.57 -4.50	42.09 2.93 -4.23	50.35 3.48 -4.44	44.71 3.36 -0.87	39.46 2.96 -0.38	37.47 2.84 -0.06	34.99 2.59 0.00	33.06 2.35 -0.19	31.63 1.93 0.00
NEG NORTH_FLCN_SEA 23793	3.21 -2.68 20.94	1.78 -2.67 21.75	1.37 -2.69 20.89	1.23 -2.24 17.28	1.19 -2.30 17.42	1.15 -2.41 17.76	3.07 -2.99 20.87	9.98 -3.10 14.57	1.24 -3.03 22.06	1.21 -2.94 21.62	1.29 -3.12 23.19	2.06 -3.10 23.02	2.11 -2.98 22.75	2.15 -3.09 23.67	2.12 -3.19 24.23	12.05 -3.29 14.59	31.39 -3.63 -0.09	38.19 -4.33 -0.09	37.06 -3.44 -0.02	33.67 -2.46 -0.01	32.34 -2.25 0.00	30.00 -2.40 0.00	28.88 -1.65 0.00	27.97 -1.72 0.00
NEG NORTH_KES_CHATEGAY 23792	3.32 -2.92 20.58	1.91 -2.91 21.38	1.50 -2.92 20.53	1.36 -2.41 16.98	1.31 -2.49 17.12	1.28 -2.58 17.46	3.18 -3.23 20.51	10.01 -3.32 14.32	1.41 -3.24 21.69	1.35 -3.17 21.25	1.43 -3.37 22.80	2.19 -3.35 22.63	2.25 -3.23 22.37	2.28 -3.35 23.27	2.24 -3.49 23.82	12.00 -3.59 14.34	31.04 -3.98 -0.09	37.76 -4.75 -0.09	36.65 -3.85 -0.02	33.31 -2.82 -0.01	31.95 -2.63 0.00	29.64 -2.75 0.00	28.57 -1.95 0.00	27.65 -2.05 0.00
NEG NORTH___ALICE_FALLS 23915	3.37 -2.58 20.88	1.91 -2.59 21.69	1.50 -2.62 20.83	1.34 -2.18 17.24	1.30 -2.24 17.37	1.26 -2.35 17.71	3.23 -2.88 20.81	10.16 -2.96 14.53	1.43 -2.90 22.00	1.38 -2.83 21.56	1.47 -3.01 23.13	2.26 -2.96 22.95	2.29 -2.87 22.69	2.35 -2.95 23.60	2.31 -3.07 24.16	12.24 -3.14 14.55	31.56 -3.46 -0.09	38.40 -4.11 -0.09	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.51 -2.07 0.00	30.16 -2.24 0.00	29.00 -1.53 0.00	28.09 -1.60 0.00
NEG NORTH___LWR_SARANAC 23913	3.37 -2.58 20.88	1.91 -2.59 21.69	1.50 -2.62 20.83	1.34 -2.18 17.24	1.30 -2.24 17.37	1.26 -2.35 17.71	3.23 -2.88 20.81	10.16 -2.96 14.53	1.43 -2.90 22.00	1.38 -2.83 21.56	1.47 -3.01 23.13	2.26 -2.96 22.95	2.29 -2.87 22.69	2.35 -2.95 23.60	2.31 -3.07 24.16	12.24 -3.14 14.55	31.56 -3.46 -0.09	38.40 -4.11 -0.09	37.30 -3.20 -0.02	33.89 -2.24 -0.01	32.51 -2.07 0.00	30.16 -2.24 0.00	29.00 -1.53 0.00	28.09 -1.60 0.00
NEG NORTH___PLATTSBURG 23628	3.37 -2.58 20.88	1.91 -2.59 21.69	1.50 -2.62 20.83	1.34 -2.18 17.24	1.30 -2.24 17.37	1.26 -2.35 17.71	3.23 -2.88 20.81	10.16 -2.96 14.53	1.43 -2.90 22.00	1.37 -2.83 21.56	1.47 -3.01 23.13	2.26 -2.96 22.95	2.29 -2.87 22.69	2.30 -3.01 23.60	2.30 -3.07 24.16	12.24 -3.14 14.55	31.56 -3.46 -0.09	38.40 -4.11 -0.09	37.30 -3.20 -0.02	33.85 -2.27 -0.01	32.47 -2.11 0.00	30.16 -2.24 0.00	29.03 -1.49 0.00	28.09 -1.60 0.00
NEG WEST_LEA_LOCKPORT 23791	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.09 -2.15 -0.29	20.36 -1.64 -1.25	20.63 -1.53 -1.25	20.98 -1.43 -1.09	25.57 -1.88 -0.53	25.79 -2.32 -0.47	24.55 -2.29 -0.51	23.89 -2.22 -0.34	25.36 -2.24 0.00	25.97 -2.23 -0.03	25.68 -2.34 -0.17	26.56 -2.40 -0.05	27.41 -2.30 -0.17	28.54 -2.07 -0.68	32.98 -2.48 -0.53	39.84 -3.14 -0.56	37.51 -3.08 -0.11	33.14 -3.03 -0.05	31.75 -2.84 -0.01	30.26 -2.14 0.00	28.11 -2.44 -0.03	27.94 -1.75 0.00
NEG WEST___LANCASTER 23811	24.48 -2.71 -0.36	23.86 -2.59 -0.26	22.85 -2.40 -0.29	20.01 -2.18 -1.44	20.26 -2.09 -1.44	20.57 -2.00 -1.26	24.98 -2.56 -0.61	25.73 -2.46 -0.54	24.40 -2.53 -0.60	23.64 -2.53 -0.39	26.77 -0.83 0.00	26.34 -1.86 -0.03	25.34 -2.70 -0.20	26.22 -2.75 -0.06	26.85 -2.90 -0.20	28.11 -2.60 -0.78	32.61 -2.93 -0.62	39.80 -3.27 -0.65	37.53 -3.08 -0.13	33.33 -2.85 -0.06	33.52 -1.07 -0.01	31.78 -0.62 0.00	28.29 -2.26 -0.03	29.22 -0.48 0.00
NEG_PENN_ALLEGHNY 23528	28.83 0.05 -1.94	27.61 0.05 -1.36	26.61 0.08 -1.58	23.66 0.08 -2.83	23.84 0.11 -2.83	23.91 0.13 -2.47	28.29 0.16 -1.21	29.17 0.28 -1.25	27.93 0.24 -1.37	26.87 0.21 -0.89	28.04 0.44 0.00	28.52 0.28 -0.06	28.49 0.20 -0.44	29.37 0.35 -0.12	30.21 0.21 -0.46	31.85 0.39 -1.53	36.80 0.45 -1.42	44.55 0.64 -1.49	41.30 0.52 -0.29	36.68 0.43 -0.13	35.22 0.62 -0.02	32.95 0.55 0.00	30.74 0.15 -0.06	30.11 0.42 0.00
NEG___GEN_MONROE 24207	26.12 -1.07 -0.36	25.36 -1.10 -0.26	24.18 -1.07 -0.30	21.03 -0.77 -1.05	21.29 -0.67 -1.05	21.68 -0.55 -0.92	26.56 -0.81 -0.45	27.07 -1.05 -0.47	25.69 -1.16 -0.52	25.00 -1.11 -0.34	26.19 -1.41 0.00	26.96 -1.24 -0.02	26.82 -1.20 -0.17	27.71 -1.24 -0.04	28.50 -1.21 -0.17	29.45 -1.05 -0.57	34.31 -1.15 -0.53	41.41 -1.57 -0.56	39.01 -1.58 -0.11	34.54 -1.63 -0.05	32.86 -1.73 -0.01	31.04 -1.36 0.00	29.17 -1.37 -0.02	28.66 -1.04 0.00



NEPA__ENERGY 23901	24.91 -2.25 -0.33	24.18 -2.25 -0.24	23.08 -2.15 -0.27	20.43 -1.70 -1.38	20.72 -1.57 -1.38	21.07 -1.45 -1.20	25.63 -1.88 -0.59	26.06 -2.10 -0.51	24.81 -2.08 -0.56	24.08 -2.06 -0.37	26.00 -1.60 0.00	26.37 -1.83 -0.03	25.89 -2.14 -0.18	26.80 -2.17 -0.06	27.64 -2.10 -0.19	28.88 -1.80 -0.75	33.52 -1.99 -0.58	40.61 -2.42 -0.61	38.29 -2.31 -0.12	33.83 -2.35 -0.06	32.83 -1.76 -0.01	31.23 -1.17 0.00	28.69 -1.86 -0.03	28.71 -0.98 0.00
NEVERSink__HYD 23608	33.65 1.69 -5.13	31.39 1.60 -3.59	30.60 1.47 -4.18	29.47 1.24 -7.47	29.66 1.28 -7.47	29.19 1.34 -6.53	31.87 1.75 -3.19	32.88 1.88 -3.35	31.84 1.84 -3.67	29.92 1.75 -2.40	29.59 1.99 0.00	30.31 1.97 -0.17	31.04 2.01 -1.19	31.35 2.14 -0.31	32.89 2.13 -1.22	36.40 2.42 -4.04	41.63 2.90 -3.80	49.98 3.56 -3.99	44.54 3.28 -0.78	39.42 2.96 -0.34	37.36 2.73 -0.05	34.93 2.53 0.00	32.92 2.23 -0.17	31.60 1.90 0.00
NEWKRMKL_115KV_TB1 55635	33.82 0.54 -6.45	31.21 0.50 -4.51	30.65 0.45 -5.25	30.51 0.37 -9.39	30.68 0.38 -9.39	29.97 0.45 -8.20	31.48 0.54 -4.01	32.36 0.50 -4.22	31.50 0.55 -4.62	29.35 0.57 -3.01	28.29 0.69 0.00	29.09 0.70 -0.21	29.98 0.64 -1.49	30.01 0.72 -0.39	31.79 0.71 -1.54	35.73 0.72 -5.08	40.59 0.87 -4.78	48.51 1.06 -5.03	42.43 0.97 -0.99	37.42 0.87 -0.43	35.51 0.86 -0.06	33.21 0.81 0.00	31.56 0.82 -0.21	30.17 0.48 0.00
NEWTON__FALLS_HYD 23847	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.75 -1.84 12.27	14.27 -1.85 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.17 0.00	29.70 -0.82 -0.01	28.77 -0.92 0.00
NGRID_A1_DSASP 323792	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.87 -1.56 -1.11	25.37 -2.10 -0.54	25.49 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.66 -2.54 -0.03	25.42 -2.59 -0.16	26.24 -2.72 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.52 -3.65 -0.05	31.72 -2.87 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
NGRID_A2_DSASP 323793	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.87 -1.56 -1.11	25.37 -2.10 -0.54	25.49 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.66 -2.54 -0.03	25.42 -2.59 -0.16	26.24 -2.72 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.52 -3.65 -0.05	31.72 -2.87 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
NGRID_A4_DSASP 323807	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.87 -1.56 -1.11	25.37 -2.10 -0.54	25.49 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.66 -2.54 -0.03	25.42 -2.59 -0.16	26.24 -2.72 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.52 -3.65 -0.05	31.72 -2.87 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
NIAGARA_115E_LBMP 323715	24.63 -2.55 -0.35	23.93 -2.52 -0.25	22.82 -2.42 -0.29	20.11 -1.91 -1.27	20.39 -1.80 -1.27	20.72 -1.71 -1.11	25.21 -2.26 -0.54	25.32 -2.79 -0.46	24.12 -2.71 -0.51	23.50 -2.60 -0.33	24.90 -2.70 0.00	25.52 -2.68 -0.03	25.26 -2.76 -0.17	26.15 -2.80 -0.05	26.97 -2.75 -0.17	28.11 -2.51 -0.69	32.38 -3.07 -0.52	39.03 -3.94 -0.55	36.78 -3.81 -0.11	32.45 -3.72 -0.05	31.69 -2.90 -0.01	29.64 -2.75 0.00	27.56 -2.99 -0.03	27.41 -2.29 0.00
NIAGARA_115W_LBMP 323714	24.77 -2.41 -0.35	24.04 -2.41 -0.25	22.89 -2.35 -0.29	20.25 -1.76 -1.27	20.51 -1.67 -1.27	20.85 -1.58 -1.11	25.34 -2.13 -0.54	25.47 -2.63 -0.45	24.26 -2.55 -0.49	23.64 -2.45 -0.32	24.92 -2.68 0.00	25.64 -2.56 -0.03	25.39 -2.62 -0.16	26.18 -2.78 -0.05	27.08 -2.63 -0.17	28.22 -2.40 -0.69	32.50 -2.93 -0.51	39.18 -3.78 -0.53	36.82 -3.76 -0.11	32.45 -3.72 -0.05	31.65 -2.94 -0.01	29.61 -2.79 0.00	27.62 -2.93 -0.03	27.41 -2.29 0.00
NIAGARA_230_LBMP 323716	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.10 -2.15 -0.29	20.38 -1.62 -1.25	20.64 -1.53 -1.25	20.96 -1.45 -1.09	25.55 -1.91 -0.54	25.70 -2.38 -0.43	24.48 -2.32 -0.47	23.84 -2.24 -0.31	25.20 -2.40 0.00	25.86 -2.34 -0.03	25.58 -2.42 -0.16	26.44 -2.52 -0.05	27.31 -2.39 -0.16	28.46 -2.16 -0.68	32.76 -2.66 -0.49	39.50 -3.43 -0.51	37.18 -3.40 -0.11	32.81 -3.36 -0.05	32.00 -2.59 -0.01	29.93 -2.46 0.00	27.86 -2.69 -0.03	27.67 -2.02 0.00
NIAGARA__115KV_198_GIBSON 55903	24.77 -2.41 -0.35	24.01 -2.44 -0.25	22.84 -2.40 -0.29	20.25 -1.76 -1.27	20.51 -1.67 -1.27	20.85 -1.58 -1.11	25.34 -2.13 -0.54	25.47 -2.63 -0.45	24.26 -2.55 -0.49	23.64 -2.45 -0.32	24.92 -2.68 0.00	25.64 -2.56 -0.03	25.37 -2.65 -0.16	26.21 -2.75 -0.05	27.08 -2.63 -0.17	28.22 -2.39 -0.69	32.50 -2.93 -0.51	39.18 -3.78 -0.53	36.82 -3.76 -0.11	32.52 -3.65 -0.05	30.99 -3.60 -0.01	29.61 -2.79 0.00	27.62 -2.93 -0.03	27.41 -2.29 0.00
NIAGARA____ 23760	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.09 -2.15 -0.29	20.40 -1.62 -1.27	20.66 -1.53 -1.27	20.98 -1.45 -1.11	25.55 -1.91 -0.54	25.71 -2.38 -0.45	24.50 -2.32 -0.49	23.85 -2.24 -0.32	25.20 -2.40 0.00	25.86 -2.34 -0.03	25.59 -2.42 -0.16	26.44 -2.52 -0.05	27.32 -2.39 -0.17	28.46 -2.16 -0.68	32.78 -2.66 -0.50	39.52 -3.43 -0.53	37.19 -3.40 -0.11	32.81 -3.36 -0.05	32.00 -2.59 -0.01	29.93 -2.46 0.00	27.86 -2.69 -0.03	27.67 -2.02 0.00
NINE_MILE_1 23575	26.56 -0.64 -0.37	25.83 -0.63 -0.26	24.65 -0.60 -0.30	20.77 -0.52 -0.54	20.93 -0.52 -0.54	21.26 -0.53 -0.47	26.48 -0.67 -0.23	27.20 -0.69 -0.24	25.91 -0.68 -0.27	25.27 -0.67 -0.17	26.80 -0.80 0.00	27.40 -0.79 -0.01	27.15 -0.78 -0.09	28.09 -0.84 -0.02	28.80 -0.83 -0.09	29.27 -0.96 -0.29	34.06 -1.15 -0.28	41.31 -1.40 -0.29	39.16 -1.38 -0.06	34.88 -1.27 -0.02	33.41 -1.18 0.00	31.26 -1.13 0.00	29.50 -1.04 -0.01	28.86 -0.83 0.00
NINE_MILE_2 23744	26.59 -0.62 -0.37	25.83 -0.63 -0.26	24.65 -0.60 -0.30	20.79 -0.50 -0.54	20.93 -0.52 -0.54	21.26 -0.53 -0.47	26.48 -0.67 -0.23	27.20 -0.69 -0.24	25.91 -0.68 -0.27	25.27 -0.67 -0.17	26.80 -0.80 0.00	27.40 -0.79 -0.01	27.15 -0.78 -0.09	28.09 -0.84 -0.02	28.80 -0.83 -0.09	29.27 -0.96 -0.29	34.06 -1.15 -0.28	41.31 -1.40 -0.29	39.16 -1.38 -0.06	34.88 -1.27 -0.02	33.41 -1.18 0.00	31.26 -1.13 0.00	29.50 -1.04 -0.01	28.86 -0.83 0.00
NM_CAPITAL__DRP 24208	33.89 0.62 -6.44	31.28 0.58 -4.50	30.74 0.55 -5.24	30.58 0.46 -9.37	30.74 0.46 -9.37	30.01 0.51 -8.18	31.58 0.65 -4.01	32.43 0.58 -4.21	31.57 0.63 -4.61	29.42 0.64 -3.01	28.35 0.75 0.00	29.14 0.76 -0.21	30.06 0.72 -1.49	30.07 0.78 -0.38	31.87 0.80 -1.53	35.81 0.81 -5.07	40.65 0.94 -4.77	48.58 1.15 -5.02	42.55 1.09 -0.98	37.52 0.98 -0.43	35.61 0.97 -0.06	33.31 0.91 0.00	31.65 0.92 -0.21	30.29 0.59 0.00



NM_CENTRAL___DRP 24181	26.77 -0.19 -0.12	25.93 -0.21 0.06	24.80 -0.17 -0.02	21.05 -0.15 -0.44	21.20 -0.15 -0.44	21.52 -0.13 -0.33	26.68 -0.16 0.08	27.57 -0.14 -0.06	26.12 -0.16 0.05	25.44 -0.15 0.18	26.92 -0.22 0.46	27.51 -0.23 0.44	27.30 -0.22 0.33	28.27 -0.20 0.44	28.98 -0.21 0.35	29.83 -0.24 -0.13	35.05 -0.28 -0.40	42.46 -0.38 -0.42	40.16 -0.40 -0.08	35.72 -0.43 -0.04	34.14 -0.45 -0.01	32.01 -0.39 0.00	30.11 -0.43 -0.02	29.43 -0.27 0.00
NM_FRONTIER___DRP 24179	24.77 -2.41 -0.35	24.01 -2.44 -0.25	22.84 -2.40 -0.29	20.25 -1.76 -1.27	20.51 -1.67 -1.27	20.85 -1.58 -1.11	25.34 -2.13 -0.54	25.47 -2.63 -0.45	24.26 -2.55 -0.49	23.64 -2.45 -0.32	24.92 -2.68 0.00	25.64 -2.56 -0.03	25.37 -2.65 -0.16	26.21 -2.75 -0.05	27.08 -2.63 -0.17	28.22 -2.39 -0.69	32.50 -2.93 -0.51	39.18 -3.78 -0.53	36.82 -3.76 -0.11	32.52 -3.65 -0.05	30.99 -3.60 -0.01	29.61 -2.79 0.00	27.62 -2.93 -0.03	27.41 -2.29 0.00
NM_ST_REGIS___HYD 24053	7.19 -2.33 17.31	5.93 -2.28 17.99	5.38 -2.30 17.27	4.61 -1.89 14.25	4.63 -1.92 14.36	4.64 -2.03 14.66	7.18 -2.48 17.27	13.09 -2.52 12.04	5.58 -2.50 18.25	5.40 -2.47 17.90	5.75 -2.62 19.22	6.53 -2.56 19.08	6.49 -2.51 18.85	6.72 -2.57 19.62	6.75 -2.72 20.07	15.10 -2.78 12.05	32.01 -3.04 -0.11	38.93 -3.61 -0.12	37.71 -2.79 -0.02	34.25 -1.88 -0.01	32.82 -1.76 0.00	30.42 -1.98 0.00	29.18 -1.34 0.00	28.21 -1.48 0.00
NORTHPORT___1 23551	34.66 2.15 -5.68	31.98 1.81 -3.98	31.07 1.50 -4.62	30.33 1.31 -8.27	30.54 1.36 -8.27	30.10 1.56 -7.22	32.50 2.05 -3.53	33.40 2.05 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.89 2.29 0.00	30.89 2.54 -0.19	31.47 2.31 -1.31	32.00 2.75 -0.35	33.60 2.69 -1.37	40.38 2.96 -7.48	44.62 3.00 -6.68	58.26 3.43 -12.41	51.84 3.28 -8.09	45.62 3.07 -6.44	42.32 2.91 -4.83	39.89 2.85 -4.64	33.46 2.75 -0.19	32.08 2.38 -0.01
NORTHPORT___2 23552	34.66 2.15 -5.68	31.98 1.81 -3.98	31.07 1.50 -4.62	30.33 1.31 -8.27	30.54 1.36 -8.27	30.10 1.56 -7.22	32.50 2.05 -3.53	33.40 2.05 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.89 2.29 0.00	30.89 2.54 -0.19	31.47 2.31 -1.31	32.00 2.75 -0.35	33.60 2.69 -1.37	40.38 2.96 -7.48	44.62 3.00 -6.68	58.26 3.43 -12.41	51.84 3.28 -8.09	45.62 3.07 -6.44	42.32 2.91 -4.83	39.89 2.85 -4.64	33.46 2.75 -0.19	32.08 2.38 -0.01
NORTHPORT___3 23553	34.66 2.15 -5.68	31.98 1.81 -3.98	31.10 1.52 -4.62	30.33 1.31 -8.27	30.54 1.36 -8.27	30.06 1.51 -7.22	32.48 2.02 -3.53	33.37 2.02 -3.71	32.63 2.24 -4.07	30.49 2.06 -2.65	29.92 2.32 0.00	30.86 2.51 -0.19	31.53 2.37 -1.31	32.00 2.75 -0.35	33.57 2.66 -1.37	40.34 2.90 -7.50	44.81 3.18 -6.70	58.63 3.73 -12.47	52.14 3.52 -8.15	45.82 3.21 -6.48	42.43 2.97 -4.87	39.96 2.88 -4.67	33.43 2.72 -0.19	32.05 2.35 -0.01
NORTHPORT___4 23650	34.66 2.15 -5.68	31.98 1.81 -3.98	31.10 1.52 -4.62	30.33 1.31 -8.27	30.54 1.36 -8.27	30.06 1.51 -7.22	32.48 2.02 -3.53	33.37 2.02 -3.71	32.63 2.24 -4.07	30.49 2.06 -2.65	29.92 2.32 0.00	30.86 2.51 -0.19	31.53 2.37 -1.31	32.00 2.75 -0.35	33.57 2.66 -1.37	40.34 2.90 -7.50	44.81 3.18 -6.70	58.63 3.73 -12.47	52.14 3.52 -8.15	45.82 3.21 -6.48	42.43 2.97 -4.87	39.96 2.88 -4.67	33.43 2.72 -0.19	32.05 2.35 -0.01
NORTHPORT___IC 23718	34.66 2.15 -5.68	31.98 1.81 -3.98	31.10 1.52 -4.62	30.33 1.31 -8.27	30.54 1.36 -8.27	30.10 1.56 -7.22	32.51 2.05 -3.53	33.40 2.05 -3.71	32.63 2.24 -4.07	30.51 2.09 -2.65	29.89 2.29 0.00	30.89 2.54 -0.19	31.61 2.45 -1.31	31.91 2.66 -0.35	33.60 2.69 -1.37	40.38 2.96 -7.48	44.62 3.00 -6.68	58.26 3.44 -12.41	51.85 3.28 -8.09	45.59 3.03 -6.44	42.46 3.04 -4.83	39.95 2.92 -4.64	33.49 2.78 -0.19	32.02 2.32 -0.01
NORTH___COUNTRY_ESR 323785	3.25 -3.00 20.58	1.84 -2.99 21.37	1.46 -2.97 20.53	1.30 -2.47 16.98	1.27 -2.53 17.11	1.22 -2.64 17.45	3.10 -3.31 20.51	9.90 -3.43 14.32	1.36 -3.29 21.68	1.30 -3.22 21.25	1.39 -3.42 22.79	2.14 -3.41 22.62	2.17 -3.31 22.36	2.18 -3.47 23.26	2.18 -3.55 23.81	11.95 -3.65 14.33	30.93 -4.09 -0.09	37.64 -4.88 -0.09	36.53 -3.97 -0.02	33.17 -2.96 -0.01	31.75 -2.83 0.00	29.55 -2.85 0.00	28.48 -2.04 0.00	27.56 -2.14 0.00
NPX_GEN_1385_PROXY 323591	34.39 1.88 -5.68	31.72 1.55 -3.98	30.82 1.25 -4.62	30.12 1.10 -8.27	30.50 1.32 -8.27	30.03 1.49 -7.22	32.37 1.91 -3.53	33.26 1.91 -3.71	32.47 2.08 -4.07	30.38 1.96 -2.65	29.73 2.13 0.00	30.69 2.34 -0.19	31.11 1.95 -1.31	31.80 2.54 -0.35	33.40 2.48 -1.37	40.32 2.90 -7.48	44.55 2.93 -6.68	57.88 3.06 -12.41	51.52 2.95 -8.09	45.55 3.00 -6.44	42.08 2.66 -4.83	39.61 2.40 -4.81	33.23 2.69 -0.02	31.72 2.02 -0.01
NPX_GEN_CSC 323557	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.33 1.79 -7.22	32.80 2.34 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.96 3.04 -1.37	40.80 3.35 -7.52	45.38 3.74 -6.71	59.13 4.20 -12.50	52.62 3.97 -8.18	46.49 3.87 -6.51	43.00 3.53 -4.89	40.31 3.04 -4.87	33.59 3.05 -0.02	32.53 2.82 -0.01
NSINS_S___GLNS_FALLS 23858	34.63 1.21 -6.59	31.99 1.18 -4.61	31.33 1.02 -5.36	31.23 0.89 -9.59	31.42 0.92 -9.59	30.65 0.96 -8.38	32.26 1.24 -4.10	33.17 1.22 -4.31	32.34 1.29 -4.72	29.98 1.13 -3.08	28.84 1.24 0.00	29.43 1.04 -0.21	30.40 1.03 -1.52	30.40 1.10 -0.39	32.35 1.24 -1.57	36.47 1.35 -5.19	41.53 1.71 -4.88	49.76 2.21 -5.13	43.47 1.98 -1.01	38.26 1.70 -0.44	36.38 1.73 -0.07	33.89 1.49 0.00	32.93 2.20 -0.21	31.54 1.84 0.00
NUCOR_STEEL___DRP 24197	27.80 0.03 -0.94	26.88 0.03 -0.66	25.77 0.05 -0.77	21.87 0.04 -1.07	22.05 0.06 -1.07	22.36 0.11 -0.94	27.52 0.13 -0.46	28.32 0.19 -0.48	26.99 0.13 -0.53	26.24 0.13 -0.34	27.68 0.08 0.00	28.25 0.06 -0.02	28.07 0.06 -0.17	29.07 0.12 -0.04	29.84 0.12 -0.18	30.66 0.15 -0.58	35.69 0.21 -0.55	43.29 0.30 -0.57	40.79 0.20 -0.11	36.28 0.11 -0.05	34.69 0.10 -0.01	32.53 0.13 0.00	30.51 -0.03 0.00	29.81 0.12 0.00
NUMBER_THREE_WT_PWR 323818	21.54 -0.72 4.57	20.68 -0.71 4.82	19.63 -0.72 4.60	16.54 -0.58 3.63	16.64 -0.61 3.66	16.92 -0.62 3.78	21.59 -0.70 4.63	23.79 -0.66 3.19	20.71 -0.74 4.88	20.06 -0.88 4.84	21.31 -0.99 5.30	21.93 -0.99 5.25	21.78 -0.92 5.15	22.64 -0.87 5.40	23.11 -0.95 5.49	25.93 -0.84 3.16	34.45 -0.66 -0.18	41.93 -0.68 -0.19	40.11 -0.40 -0.04	36.50 0.36 -0.02	34.89 0.31 0.00	32.43 0.03 0.00	30.59 0.06 -0.01	29.69 0.00 0.00
NYISO_LBMP_REFERENCE 24008	26.83 0.00 0.00	26.20 0.00 0.00	24.95 0.00 0.00	20.75 0.00 0.00	20.91 0.00 0.00	21.32 0.00 0.00	26.92 0.00 0.00	27.64 0.00 0.00	26.33 0.00 0.00	25.77 0.00 0.00	27.60 0.00 0.00	28.17 0.00 0.00	27.85 0.00 0.00	28.91 0.00 0.00	29.54 0.00 0.00	29.93 0.00 0.00	34.93 0.00 0.00	42.42 0.00 0.00	40.48 0.00 0.00	36.12 0.00 0.00	34.58 0.00 0.00	32.40 0.00 0.00	30.52 0.00 0.00	29.69 0.00 0.00



NYPA_BRENTWD____GT 24164	34.93	32.24	31.29	30.52	30.73	30.29	32.77	33.62	32.90	30.72	30.14	31.15	31.75	32.26	33.90	40.78	45.24	59.20	52.73	46.36	42.93	40.40	33.80	32.41
	2.42	2.07	1.72	1.49	1.55	1.75	2.32	2.27	2.50	2.29	2.54	2.79	2.59	3.01	2.98	3.29	3.56	4.16	3.97	3.65	3.39	3.24	3.08	2.70
	-5.68	-3.98	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.35	-1.37	-7.56	-6.75	-12.62	-8.28	-6.59	-4.96	-4.76	-0.19	-0.01
NYPA_GOWANUS____GT5 24156	34.64	32.16	31.37	30.52	30.69	30.08	32.45	33.46	32.50	30.49	29.97	30.89	31.72	31.93	33.46	37.25	42.35	50.75	45.07	39.86	37.61	35.32	33.48	32.08
	2.12	1.99	1.80	1.49	1.51	1.54	1.99	2.10	2.11	2.06	2.37	2.54	2.56	2.69	2.57	2.85	3.21	3.90	3.72	3.36	2.97	2.92	2.78	2.38
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA_GOWANUS____GT6 24157	34.64	32.16	31.37	30.52	30.69	30.08	32.45	33.46	32.50	30.49	29.97	30.89	31.72	31.93	33.46	37.25	42.35	50.75	45.07	39.86	37.61	35.32	33.48	32.08
	2.12	1.99	1.80	1.49	1.51	1.54	1.99	2.10	2.11	2.06	2.37	2.54	2.56	2.69	2.57	2.85	3.21	3.90	3.72	3.36	2.97	2.92	2.78	2.38
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA_HARLEM__RVR__GT1 24160	34.45	32.01	31.22	30.39	30.54	29.90	32.25	33.25	32.31	30.30	29.77	30.66	31.49	31.69	33.22	36.98	42.00	50.27	44.61	39.45	37.26	34.98	33.14	31.78
	1.93	1.83	1.65	1.37	1.36	1.37	1.80	1.91	1.92	1.88	2.18	2.31	2.34	2.46	2.33	2.57	2.87	3.43	3.28	2.96	2.63	2.59	2.44	2.08
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.70	-4.06	-2.64	0.01	-0.18	-1.30	-0.33	-1.35	-4.47	-4.20	-4.42	-0.86	-0.37	-0.05	0.01	-0.18	-0.01
NYPA_HARLEM__RVR__GT2 24161	34.45	32.01	31.22	30.39	30.54	29.90	32.25	33.25	32.31	30.30	29.77	30.66	31.49	31.69	33.22	36.98	42.00	50.27	44.61	39.45	37.26	34.98	33.14	31.78
	1.93	1.83	1.65	1.37	1.36	1.37	1.80	1.91	1.92	1.88	2.18	2.31	2.34	2.46	2.33	2.57	2.87	3.43	3.28	2.96	2.63	2.59	2.44	2.08
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.70	-4.06	-2.64	0.01	-0.18	-1.30	-0.33	-1.35	-4.47	-4.20	-4.42	-0.86	-0.37	-0.05	0.01	-0.18	-0.01
NYPA_KENT____GT 24152	34.59	32.11	31.32	30.47	30.65	30.06	32.42	33.43	32.47	30.46	29.94	30.86	31.70	31.88	33.44	37.22	42.29	50.62	44.99	39.75	37.54	35.25	33.39	32.02
	2.07	1.94	1.75	1.45	1.46	1.51	1.96	2.07	2.08	2.04	2.34	2.51	2.53	2.63	2.54	2.81	3.15	3.77	3.64	3.25	2.91	2.85	2.69	2.32
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA_POUCH1____GT 24155	34.67	32.19	31.39	30.52	30.69	30.08	32.45	33.43	32.45	30.43	29.92	30.86	31.70	31.90	33.44	37.25	42.35	50.75	45.07	39.86	37.61	35.32	33.48	32.11
	2.15	2.02	1.82	1.49	1.51	1.54	1.99	2.07	2.05	2.01	2.32	2.51	2.53	2.66	2.54	2.85	3.21	3.90	3.72	3.36	2.97	2.92	2.78	2.40
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA_VERNON____GT2 24162	34.51	32.06	31.27	30.43	30.61	30.01	32.40	33.40	32.45	30.43	29.92	30.81	31.64	31.82	33.38	37.13	42.18	50.49	44.87	39.64	37.44	35.15	33.30	31.93
	1.99	1.89	1.70	1.41	1.42	1.47	1.94	2.05	2.05	2.01	2.32	2.45	2.48	2.57	2.48	2.72	3.04	3.65	3.52	3.14	2.80	2.75	2.59	2.23
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA_VERNON____GT3 24163	34.51	32.06	31.27	30.43	30.61	30.01	32.40	33.40	32.45	30.43	29.92	30.81	31.64	31.82	33.38	37.13	42.18	50.49	44.87	39.64	37.44	35.15	33.30	31.93
	1.99	1.89	1.70	1.41	1.42	1.47	1.94	2.05	2.05	2.01	2.32	2.45	2.48	2.57	2.48	2.72	3.04	3.65	3.52	3.14	2.80	2.75	2.59	2.23
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA__ASTORIA_CC1 323568	34.51	32.03	31.27	30.43	30.61	30.01	32.37	33.37	32.42	30.41	29.89	30.78	31.61	31.82	33.35	37.10	42.14	50.45	44.78	39.61	37.41	35.12	33.27	31.90
	1.99	1.86	1.70	1.41	1.42	1.47	1.91	2.02	2.03	1.98	2.29	2.42	2.45	2.57	2.45	2.70	3.00	3.60	3.44	3.11	2.77	2.72	2.56	2.20
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA__ASTORIA_CC2 323569	34.51	32.03	31.27	30.43	30.61	30.01	32.37	33.37	32.42	30.41	29.89	30.78	31.61	31.82	33.35	37.10	42.14	50.45	44.78	39.61	37.41	35.12	33.27	31.90
	1.99	1.86	1.70	1.41	1.42	1.47	1.91	2.02	2.03	1.98	2.29	2.42	2.45	2.57	2.45	2.70	3.00	3.60	3.44	3.11	2.77	2.72	2.56	2.20
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.34	-1.35	-4.48	-4.21	-4.42	-0.87	-0.38	-0.06	0.00	-0.19	-0.01
NYPA__HOLTSVILL 23794	34.82	32.11	31.17	30.43	30.63	30.21	32.64	33.51	32.77	30.61	30.00	31.00	31.58	32.12	33.75	40.59	45.03	58.86	52.41	46.09	42.68	40.10	33.62	32.26
	2.31	1.94	1.60	1.41	1.44	1.66	2.18	2.16	2.37	2.19	2.40	2.65	2.42	2.86	2.84	3.14	3.39	3.95	3.77	3.47	3.22	3.01	2.90	2.55
	-5.68	-3.98	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.35	-1.37	-7.51	-6.71	-12.49	-8.17	-6.50	-4.88	-4.69	-0.19	-0.01
NYPA____HELLGATE_GT1 24158	34.45	32.01	31.19	30.35	30.52	29.88	32.23	33.25	32.31	30.30	29.77	30.66	31.49	31.69	33.16	36.92	41.86	50.10	44.50	39.34	37.12	34.92	33.05	31.66
	1.93	1.83	1.62	1.33	1.34	1.34	1.78	1.91	1.92	1.88	2.18	2.31	2.34	2.46	2.27	2.51	2.73	3.27	3.16	2.85	2.49	2.53	2.35	1.96
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.70	-4.06	-2.64	0.01	-0.18	-1.30	-0.33	-1.35	-4.47	-4.20	-4.42	-0.86	-0.37	-0.05	0.01	-0.18	-0.01
NYPA____HELLGATE_GT2 24159	34.45	32.01	31.19	30.35	30.52	29.88	32.23	33.25	32.31	30.30	29.77	30.66	31.49	31.69	33.16	36.92	41.86	50.10	44.50	39.34	37.12	34.92	33.05	31.66
	1.93	1.83	1.62	1.33	1.34	1.34	1.78	1.91	1.92	1.88	2.18	2.31	2.34	2.46	2.27	2.51	2.73	3.27	3.16	2.85	2.49	2.53	2.35	1.96
	-5.69	-3.97	-4.62	-8.27	-8.27	-7.22	-3.53	-3.70	-4.06	-2.64	0.01	-0.18	-1.30	-0.33	-1.35	-4.47	-4.20	-4.42	-0.86	-0.37	-0.05	0.01	-0.18	-0.01
NYS_BARGE__HYD 23848	24.98	24.27	23.12	20.35	20.63	20.97	25.57	25.79	24.52	23.86	25.37	25.94	25.68	26.58	27.41	28.54	32.98	39.84	37.55	33.14	32.38	30.26	28.08	27.91
	-2.20	-2.17	-2.12	-1.64	-1.53	-1.43	-1.89	-2.32	-2.32	-2.24	-2.23	-2.25	-2.34	-2.37	-2.30	-2.07	-2.48	-3.14	-3.04	-3.03	-2.21	-2.14	-2.47	-1.78
	-0.35	-0.25	-0.29	-1.24	-1.24	-1.08	-0.53	-0.47	-0.51	-0.34	0.00	-0.03	-0.17	-0.05	-0.17	-0.67	-0.53	-0.56	-0.11	-0.05	-0.01	0.00	-0.03	0.00



OAK ORCHARD___HYD 24046	26.15 -1.05 -0.36	25.38 -1.08 -0.26	24.23 -1.02 -0.30	21.05 -0.75 -1.04	21.28 -0.67 -1.04	21.67 -0.55 -0.91	26.59 -0.78 -0.44	27.12 -0.99 -0.47	25.77 -1.08 -0.52	25.13 -0.98 -0.34	26.28 -1.32 0.00	27.07 -1.13 -0.02	26.93 -1.09 -0.17	27.65 -1.30 -0.04	28.68 -1.03 -0.17	29.63 -0.87 -0.56	34.49 -0.98 -0.54	41.67 -1.32 -0.56	39.21 -1.38 -0.11	34.65 -1.52 -0.05	33.38 -1.21 -0.01	31.13 -1.26 0.00	29.35 -1.19 -0.02	28.63 -1.07 0.00
OAKDALE___35_KV_LOAD 356122	28.74 -0.03 -1.94	27.56 0.00 -1.36	26.56 0.02 -1.58	23.60 0.02 -2.83	23.78 0.04 -2.83	23.85 0.06 -2.47	28.24 0.11 -1.21	29.09 0.19 -1.25	27.83 0.13 -1.37	26.79 0.13 -0.89	27.93 0.33 0.00	28.46 0.23 -0.06	28.40 0.11 -0.44	29.11 0.09 -0.12	30.12 0.12 -0.46	31.73 0.27 -1.53	36.66 0.31 -1.42	44.34 0.42 -1.49	41.14 0.36 -0.29	36.50 0.25 -0.13	35.02 0.41 -0.02	32.82 0.42 0.00	30.71 0.12 -0.06	29.99 0.30 0.00
OCC_CHEM___DRP 24175	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.89 -2.35 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.89 -1.53 -1.11	25.37 -2.10 -0.54	25.50 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.69 -2.51 -0.03	25.42 -2.59 -0.16	26.27 -2.69 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.59 -3.58 -0.05	31.06 -3.53 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
OH_GEN_PROXY 24063	24.99 -2.20 -0.36	24.28 -2.17 -0.26	23.13 -2.12 -0.30	20.40 -1.62 -1.26	20.67 -1.51 -1.26	20.99 -1.43 -1.10	25.58 -1.89 -0.54	25.77 -2.32 -0.45	24.56 -2.26 -0.49	23.93 -2.16 -0.32	25.31 -2.29 0.00	25.95 -2.25 -0.03	25.67 -2.34 -0.16	26.53 -2.43 -0.05	27.35 -2.36 -0.17	28.52 -2.10 -0.68	32.86 -2.58 -0.51	39.65 -3.31 -0.54	37.27 -3.32 -0.11	32.88 -3.29 -0.05	32.07 -2.52 -0.01	30.21 -2.36 -0.17	27.75 -2.62 0.15	27.71 -1.99 0.00
OLIN_CORP_DRP 24177	24.71 -2.47 -0.35	23.99 -2.46 -0.25	22.84 -2.40 -0.29	20.18 -1.85 -1.28	20.44 -1.76 -1.28	20.77 -1.66 -1.12	25.29 -2.18 -0.55	25.40 -2.71 -0.47	24.21 -2.63 -0.51	23.55 -2.55 -0.33	24.95 -2.65 0.00	25.64 -2.56 -0.03	25.34 -2.67 -0.17	26.18 -2.78 -0.05	27.03 -2.69 -0.17	28.20 -2.42 -0.69	32.46 -3.00 -0.53	39.16 -3.82 -0.55	36.87 -3.72 -0.11	32.56 -3.61 -0.05	31.13 -3.46 -0.01	29.71 -2.69 0.00	27.65 -2.90 -0.03	27.47 -2.23 0.00
OLIN_CORP_DSASP 323712	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.92 -2.32 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.87 -1.56 -1.11	25.37 -2.10 -0.54	25.49 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.66 -2.54 -0.03	25.42 -2.59 -0.16	26.24 -2.57 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.52 -3.65 -0.05	31.72 -2.87 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
ONEIDA_HERK_LFGE 323681	25.06 0.05 1.82	24.29 0.05 1.96	23.12 0.02 1.85	19.42 0.04 1.38	19.56 0.04 1.39	19.90 0.04 1.46	25.14 0.11 1.89	26.54 0.17 1.28	24.45 0.11 1.99	23.78 0.00 1.99	25.36 0.00 2.24	25.96 0.00 2.22	25.73 0.03 2.15	26.75 0.12 2.27	27.28 0.03 2.29	28.83 0.15 1.25	35.44 0.35 -0.16	43.10 0.51 -0.16	41.08 0.57 -0.03	37.00 0.87 -0.01	35.38 0.80 0.00	32.98 0.58 0.00	31.05 0.52 -0.01	30.20 0.50 0.00
ONEIDA___115KV_TB4 55905	26.94 0.51 0.40	26.19 0.52 0.54	24.99 0.50 0.46	21.06 0.42 0.10	21.22 0.42 0.11	21.58 0.45 0.19	27.01 0.62 0.53	28.04 0.69 0.29	26.39 0.61 0.54	25.67 0.52 0.62	27.31 0.55 0.84	27.88 0.54 0.82	27.69 0.58 0.74	28.73 0.66 0.84	29.37 0.62 0.79	30.41 0.72 0.24	36.18 0.98 -0.27	43.94 1.23 -0.28	41.71 1.17 -0.06	37.30 1.16 -0.02	35.69 1.11 0.00	33.34 0.94 0.00	31.30 0.76 -0.01	30.53 0.83 0.00
ONONDAGA_REF_OCCRA 23987	27.17 -0.11 -0.45	26.28 -0.10 -0.19	25.15 -0.10 -0.29	21.33 -0.08 -0.66	21.49 -0.08 -0.66	21.79 -0.06 -0.53	26.89 -0.08 -0.05	27.80 -0.03 -0.18	26.37 -0.05 -0.09	25.65 -0.05 0.07	27.11 -0.08 0.41	27.68 -0.11 0.38	27.49 -0.11 0.24	28.45 -0.09 0.37	29.19 -0.09 0.27	30.11 -0.09 -0.27	35.32 -0.10 -0.49	42.81 -0.13 -0.52	40.42 -0.16 -0.10	35.95 -0.22 -0.04	34.38 -0.21 -0.01	32.24 -0.16 0.00	30.27 -0.27 -0.02	29.58 -0.12 0.00
ONONDAGA___COGEN 23986	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 -0.02	29.61 -0.09 0.00
ONTARIO___LFGE 23819	26.47 -0.51 -0.15	25.76 -0.55 -0.11	24.60 -0.47 -0.13	21.65 -0.35 -1.25	21.87 -0.29 -1.25	22.22 -0.19 -1.09	27.21 -0.24 -0.53	28.04 -0.16 -0.56	26.65 -0.29 -0.61	25.86 -0.31 -0.40	27.35 -0.25 0.00	27.86 -0.34 -0.03	27.63 -0.42 -0.20	28.64 -0.32 -0.05	29.39 -0.35 -0.20	30.49 -0.12 -0.68	35.60 0.03 -0.63	43.26 0.17 -0.66	40.69 0.08 -0.13	36.14 -0.04 -0.06	34.83 0.24 -0.01	32.50 0.10 0.00	30.21 -0.34 -0.03	29.67 -0.03 0.00
ORANGEVILLE_WT_PWR 323706	24.74 -2.33 -0.25	24.05 -2.33 -0.18	22.96 -2.20 -0.21	20.58 -1.72 -1.55	20.83 -1.63 -1.55	21.13 -1.54 -1.35	25.67 -1.91 -0.66	26.18 -2.07 -0.61	24.91 -2.08 -0.67	24.14 -2.06 -0.44	25.83 -1.77 0.00	26.18 -2.03 -0.03	25.84 -2.23 -0.22	27.03 -1.94 -0.06	27.67 -2.10 -0.22	29.03 -1.74 -0.84	33.70 -1.92 -0.69	40.94 -2.21 -0.72	38.52 -2.11 -0.15	34.13 -2.06 -0.07	33.45 -1.14 -0.01	31.26 -1.13 0.00	28.73 -1.83 -0.03	28.72 -0.98 0.00
ORANGEVILLE___ESR 323794	24.74 -2.33 -0.25	24.05 -2.33 -0.18	22.96 -2.20 -0.21	20.58 -1.72 -1.55	20.83 -1.63 -1.55	21.13 -1.54 -1.35	25.67 -1.91 -0.66	26.18 -2.07 -0.61	24.91 -2.08 -0.67	24.14 -2.06 -0.44	25.83 -1.77 0.00	26.18 -2.03 -0.03	25.84 -2.23 -0.22	27.03 -1.94 -0.06	27.67 -2.10 -0.22	29.03 -1.74 -0.84	33.70 -1.92 -0.69	40.94 -2.21 -0.72	38.52 -2.11 -0.15	34.13 -2.06 -0.07	33.45 -1.14 -0.01	31.26 -1.13 0.00	28.73 -1.83 -0.03	28.72 -0.98 0.00
OSWEGATCHIE___HYD 24044	14.05 -1.61 11.17	12.95 -1.60 11.65	12.18 -1.60 11.17	10.34 -1.29 9.13	10.37 -1.34 9.20	10.52 -1.39 9.41	14.07 -1.67 11.19	18.18 -1.69 7.78	12.80 -1.71 11.82	12.38 -1.78 11.62	13.13 -1.93 12.53	13.82 -1.92 12.44	13.74 -1.84 12.27	14.24 -1.88 12.78	14.53 -1.95 13.06	20.25 -1.92 7.77	33.10 -1.99 -0.16	40.30 -2.29 -0.16	38.77 -1.74 -0.03	35.19 -0.94 -0.01	33.65 -0.93 0.00	31.23 -1.16 0.00	29.71 -0.82 -0.01	28.77 -0.92 0.00
OSWEGO___5 23606	26.84 -0.46 -0.46	26.08 -0.45 -0.32	24.90 -0.42 -0.38	21.05 -0.37 -0.68	21.21 -0.38 -0.68	21.55 -0.36 -0.59	26.73 -0.48 -0.29	27.48 -0.47 -0.30	26.19 -0.47 -0.33	25.52 -0.46 -0.22	27.05 -0.55 0.00	27.62 -0.56 -0.02	27.40 -0.56 -0.11	28.36 -0.58 -0.03	29.09 -0.56 -0.11	29.64 -0.66 -0.37	34.51 -0.77 -0.34	41.85 -0.93 -0.36	39.62 -0.93 -0.07	35.25 -0.90 -0.03	33.79 -0.79 0.00	31.62 -0.78 0.00	29.77 -0.76 -0.02	29.10 -0.59 0.00



OSWEGO___6 23613	26.84 -0.46 -0.46	26.08 -0.45 -0.32	24.90 -0.42 -0.38	21.05 -0.37 -0.68	21.21 -0.38 -0.68	21.55 -0.36 -0.59	26.73 -0.48 -0.29	27.48 -0.47 -0.30	26.19 -0.47 -0.33	25.52 -0.46 -0.22	27.05 -0.55 0.00	27.62 -0.56 -0.02	27.40 -0.56 -0.11	28.36 -0.58 -0.03	29.09 -0.56 -0.11	29.64 -0.66 -0.37	34.51 -0.77 -0.34	41.85 -0.93 -0.36	39.62 -0.93 -0.07	35.25 -0.90 -0.03	33.79 -0.79 0.00	31.62 -0.78 0.00	29.77 -0.76 -0.02	29.10 -0.59 0.00
OUTOKUMPU-AB___DRP 24206	25.11 -2.07 -0.35	24.35 -2.10 -0.25	23.19 -2.05 -0.29	20.48 -1.56 -1.29	20.76 -1.44 -1.29	21.12 -1.32 -1.13	25.70 -1.78 -0.55	25.96 -2.16 -0.47	24.71 -2.13 -0.52	24.05 -2.06 -0.34	25.64 -1.96 0.00	26.23 -1.97 -0.03	25.87 -2.14 -0.17	26.73 -2.23 -0.05	27.59 -2.13 -0.18	28.78 -1.86 -0.70	33.27 -2.20 -0.53	40.18 -2.80 -0.56	37.84 -2.75 -0.11	33.39 -2.78 -0.05	32.10 -2.49 -0.01	30.55 -1.85 0.00	28.32 -2.23 -0.03	28.21 -1.48 0.00
OXBOW___BTM 323836	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.09 -2.15 -0.29	20.41 -1.62 -1.28	20.69 -1.51 -1.28	21.03 -1.41 -1.12	25.56 -1.91 -0.55	25.78 -2.32 -0.46	24.57 -2.26 -0.50	23.91 -2.19 -0.33	25.37 -2.23 0.00	25.97 -2.23 -0.03	25.70 -2.31 -0.17	26.61 -2.34 -0.05	27.44 -2.27 -0.17	28.59 -2.04 -0.69	33.01 -2.45 -0.52	39.79 -3.18 -0.55	37.43 -3.16 -0.11	33.03 -3.14 -0.05	32.31 -2.28 -0.01	30.19 -2.20 0.00	28.02 -2.53 -0.03	27.88 -1.81 0.00
OXBOW____ 24026	24.98 -2.20 -0.35	24.25 -2.20 -0.25	23.07 -2.17 -0.29	20.41 -1.62 -1.28	20.69 -1.51 -1.28	21.03 -1.41 -1.12	25.56 -1.91 -0.55	25.78 -2.32 -0.46	24.57 -2.26 -0.50	23.91 -2.19 -0.33	25.36 -2.24 0.00	26.00 -2.20 -0.03	25.70 -2.31 -0.17	26.56 -2.40 -0.05	27.41 -2.30 -0.17	28.59 -2.04 -0.69	33.01 -2.45 -0.52	39.79 -3.18 -0.55	37.43 -3.16 -0.11	33.06 -3.11 -0.05	31.65 -2.94 -0.01	30.20 -2.20 0.00	28.05 -2.50 -0.03	27.88 -1.81 0.00
OXY_CHEM_DSASP 323612	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.89 -2.35 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.89 -1.53 -1.11	25.37 -2.10 -0.54	25.50 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.69 -2.51 -0.03	25.42 -2.59 -0.16	26.27 -2.69 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.59 -3.58 -0.05	31.06 -3.53 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
OZONE_PARK_ESR 323760	34.52 2.01 -5.68	32.06 1.89 -3.97	31.27 1.70 -4.62	30.45 1.43 -8.27	30.63 1.44 -8.27	30.06 1.51 -7.22	32.48 2.02 -3.53	33.54 2.18 -3.71	32.58 2.19 -4.07	30.56 2.14 -2.65	30.06 2.46 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.35 3.21 -4.21	50.71 3.86 -4.42	45.03 3.68 -0.87	39.79 3.29 -0.38	37.72 3.08 -0.06	35.28 2.88 0.00	33.39 2.69 -0.19	32.01 2.32 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.89 -2.35 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.89 -1.53 -1.11	25.37 -2.10 -0.54	25.50 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.69 -2.51 -0.03	25.42 -2.59 -0.16	26.27 -2.69 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.59 -3.58 -0.05	31.06 -3.53 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
PACKARD___115KV_DUPONT_184 80571	24.79 -2.39 -0.35	24.07 -2.38 -0.25	22.89 -2.35 -0.29	20.28 -1.74 -1.27	20.55 -1.63 -1.27	20.89 -1.53 -1.11	25.37 -2.10 -0.54	25.50 -2.60 -0.45	24.32 -2.50 -0.49	23.70 -2.40 -0.32	24.98 -2.62 0.00	25.69 -2.51 -0.03	25.42 -2.59 -0.16	26.27 -2.69 -0.05	27.14 -2.57 -0.17	28.29 -2.33 -0.69	32.58 -2.86 -0.51	39.27 -3.69 -0.53	36.90 -3.68 -0.11	32.59 -3.58 -0.05	31.06 -3.53 -0.01	29.68 -2.72 0.00	27.68 -2.87 -0.03	27.47 -2.23 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	34.45 1.93 -5.69	32.01 1.83 -3.97	31.20 1.62 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.88 1.34 -7.22	32.24 1.78 -3.53	33.24 1.88 -3.71	32.29 1.90 -4.07	30.28 1.86 -2.65	29.75 2.15 0.00	30.67 2.31 -0.19	31.47 2.31 -1.31	31.59 2.34 -0.34	33.23 2.33 -1.35	36.98 2.57 -4.48	41.97 2.83 -4.21	50.24 3.39 -4.42	44.62 3.28 -0.87	39.42 2.93 -0.38	37.37 2.73 -0.06	34.96 2.56 0.00	33.12 2.41 -0.19	31.84 2.14 -0.01
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	34.59 2.07 -5.69	32.17 1.99 -3.97	31.34 1.77 -4.62	30.49 1.47 -8.27	30.67 1.48 -8.27	30.01 1.47 -7.22	32.42 1.97 -3.53	33.40 2.05 -3.71	32.45 2.05 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.58 2.42 -1.31	31.70 2.46 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.15 2.75 0.00	33.27 2.56 -0.19	32.02 2.32 -0.01
PATROON___115KV_TB1 80586	33.89 0.59 -6.47	31.27 0.55 -4.52	30.74 0.52 -5.26	30.60 0.44 -9.41	30.77 0.44 -9.41	30.03 0.49 -8.22	31.57 0.62 -4.02	32.43 0.55 -4.23	31.59 0.63 -4.63	29.41 0.62 -3.02	28.35 0.75 0.00	29.14 0.76 -0.21	30.07 0.72 -1.50	30.07 0.78 -0.39	31.88 0.80 -1.54	35.84 0.81 -5.10	40.70 0.98 -4.79	48.65 1.19 -5.04	42.60 1.13 -0.99	37.53 0.98 -0.43	35.61 0.97 -0.06	33.31 0.91 0.00	31.65 0.92 -0.21	30.26 0.56 0.00
PATTRSNVILLE___SOLAR 323815	34.55 0.96 -6.75	31.87 0.94 -4.72	31.32 0.87 -5.49	31.33 0.75 -9.83	31.49 0.75 -9.83	30.67 0.77 -8.59	32.12 1.00 -4.20	33.05 0.99 -4.41	32.11 0.95 -4.83	29.72 0.80 -3.15	28.43 0.83 0.00	29.21 0.82 -0.22	30.19 0.78 -1.56	30.18 0.87 -0.40	32.10 0.95 -1.61	36.42 1.17 -5.32	41.47 1.54 -5.00	49.59 1.91 -5.26	43.33 1.82 -1.03	38.16 1.59 -0.45	36.13 1.49 -0.07	33.79 1.39 0.00	32.05 1.31 -0.22	30.79 1.10 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	24.71 -2.47 -0.35	24.07 -2.38 -0.25	22.99 -2.25 -0.29	20.20 -1.95 -1.39	20.45 -1.86 -1.39	20.77 -1.77 -1.22	25.26 -2.26 -0.60	25.87 -2.29 -0.52	24.56 -2.34 -0.57	23.83 -2.32 -0.37	26.52 -1.08 0.00	26.40 -1.80 -0.03	25.59 -2.45 -0.19	26.48 -2.49 -0.06	27.20 -2.54 -0.19	28.44 -2.24 -0.76	32.97 -2.55 -0.59	40.12 -2.93 -0.62	37.81 -2.79 -0.13	33.50 -2.67 -0.06	33.28 -1.31 -0.01	31.59 -0.81 0.00	28.45 -2.11 -0.03	29.04 -0.65 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	34.26 1.72 -5.71	31.82 1.62 -3.99	31.07 1.47 -4.64	30.33 1.27 -8.31	30.50 1.28 -8.31	29.96 1.39 -7.26	32.23 1.75 -3.55	33.28 1.91 -3.73	32.28 1.87 -4.08	30.27 1.83 -2.67	29.70 2.10 0.00	30.50 2.14 -0.19	31.34 2.17 -1.32	31.50 2.25 -0.34	33.24 2.33 -1.36	37.00 2.57 -4.50	42.09 2.93 -4.23	50.35 3.48 -4.44	44.71 3.36 -0.87	39.46 2.96 -0.38	37.47 2.84 -0.06	34.99 2.59 0.00	33.06 2.35 -0.19	31.63 1.93 0.00
PEEKSKILL____ 23653	34.07 1.58 -5.65	31.65 1.49 -3.95	30.90 1.35 -4.60	30.12 1.14 -8.23	30.29 1.15 -8.23	29.74 1.24 -7.19	32.06 1.62 -3.52	33.08 1.74 -3.69	32.11 1.74 -4.04	30.11 1.70 -2.64	29.53 1.93 0.00	30.36 2.00 -0.18	31.16 2.01 -1.31	31.35 2.11 -0.34	32.96 2.07 -1.35	36.69 2.31 -4.45	41.74 2.62 -4.19	49.96 3.14 -4.40	44.29 2.95 -0.86	39.13 2.64 -0.38	37.02 2.38 -0.06	34.70 2.30 0.00	32.81 2.10 -0.18	31.42 1.72 0.00



PGE MADISON___WINDPWR 24146	31.35 1.58 -2.94	29.82 1.57 -2.05	28.86 1.52 -2.38	25.17 1.35 -3.07	25.36 1.38 -3.07	25.43 1.43 -2.68	30.23 1.99 -1.31	31.22 2.21 -1.36	29.90 2.08 -1.50	28.55 1.80 -0.98	29.70 2.10 0.00	30.24 2.00 -0.07	30.34 2.01 -0.48	31.37 2.34 -0.13	32.05 2.01 -0.50	34.05 2.46 -1.66	39.76 3.28 -1.55	48.25 4.20 -1.63	44.85 4.05 -0.32	40.05 3.79 -0.14	38.34 3.74 -0.02	35.61 3.21 0.00	33.21 2.63 -0.07	32.46 2.76 0.00
PIERCEFIELD___HYD 23852	7.95 -2.17 16.71	6.70 -2.12 17.38	6.12 -2.15 16.68	5.26 -1.74 13.75	5.25 -1.80 13.86	5.30 -1.88 14.15	7.96 -2.29 16.68	13.67 -2.35 11.63	6.36 -2.34 17.62	6.14 -2.35 17.29	6.54 -2.48 18.57	7.32 -2.42 18.43	7.30 -2.34 18.21	7.52 -2.43 18.95	7.61 -2.54 19.39	15.66 -2.63 11.63	32.18 -2.86 -0.12	39.15 -3.39 -0.12	37.91 -2.59 -0.02	34.43 -1.70 -0.01	32.99 -1.59 0.00	30.55 -1.85 0.00	29.31 -1.22 -0.01	28.33 -1.37 0.00
PINELAWN_CC_1 323563	34.79 2.28 -5.68	32.11 1.94 -3.98	31.19 1.62 -4.62	30.41 1.39 -8.27	30.63 1.44 -8.27	30.16 1.62 -7.22	32.61 2.15 -3.53	33.49 2.13 -3.71	32.74 2.34 -4.07	30.56 2.14 -2.65	30.00 2.40 0.00	30.98 2.62 -0.19	31.61 2.45 -1.31	32.09 2.83 -0.35	33.69 2.78 -1.37	40.77 3.05 -7.78	45.22 3.35 -6.93	59.57 3.95 -13.20	53.05 3.77 -8.81	46.59 3.43 -7.04	43.07 3.18 -5.31	40.58 3.08 -5.10	33.62 2.90 -0.20	32.23 2.52 -0.01
PJM_GEN_HTP_PROXY 323702	34.31 1.80 -5.68	31.85 1.68 -3.97	31.09 1.52 -4.62	30.29 1.27 -8.27	30.46 1.28 -8.27	29.91 1.37 -7.22	32.26 1.80 -3.53	33.32 1.96 -3.71	32.34 1.95 -4.07	30.33 1.91 -2.65	29.81 2.21 0.00	30.64 2.28 -0.19	31.45 2.28 -1.31	31.64 2.40 -0.34	33.23 2.33 -1.35	36.98 2.57 -4.48	42.00 2.87 -4.21	50.28 3.43 -4.42	44.62 3.28 -0.87	39.42 2.92 -0.38	37.27 2.63 -0.06	35.17 2.59 -0.17	32.91 2.38 -0.01	31.68 1.99 0.00
PJM_GEN_KEystone 24065	29.84 -0.22 -3.22	28.22 -0.24 -2.26	27.30 -0.27 -2.62	25.70 -0.19 -5.13	25.90 -0.15 -5.13	25.72 -0.08 -4.48	29.06 -0.05 -2.19	29.91 0.00 -2.26	28.78 -0.03 -2.48	27.34 -0.05 -1.62	27.93 0.33 0.00	28.40 0.11 -0.12	28.65 0.00 -0.80	29.29 0.17 -0.21	30.18 -0.06 -0.70	33.11 0.27 -2.91	37.71 0.21 -2.56	45.42 0.30 -2.70	41.21 0.20 -0.53	36.46 0.11 -0.23	35.03 0.42 -0.03	32.99 0.42 -0.17	30.37 -0.09 0.06	29.90 0.21 0.00
PJM_GEN_NEPTUNE_PROXY 323594	34.47 1.96 -5.68	31.85 1.68 -3.98	30.97 1.40 -4.62	30.23 1.20 -8.27	30.42 1.23 -8.27	29.93 1.38 -7.22	32.34 1.88 -3.53	33.24 1.88 -3.71	32.45 2.05 -4.07	30.33 1.91 -2.65	29.75 2.15 0.00	30.69 2.34 -0.19	31.39 2.23 -1.31	31.80 2.54 -0.35	33.33 2.42 -1.36	39.71 2.63 -7.14	44.21 2.87 -6.41	57.30 3.35 -11.53	50.93 3.16 -7.29	44.81 2.92 -5.77	41.54 2.66 -4.30	39.32 2.62 -4.30	33.04 2.50 -0.02	31.84 2.14 -0.01
PJM_GEN_VFT_PROXY 323633	34.25 1.74 -5.68	31.80 1.62 -3.97	31.02 1.45 -4.62	30.25 1.22 -8.27	30.42 1.23 -8.27	29.86 1.32 -7.22	32.21 1.75 -3.53	33.26 1.91 -3.71	32.32 1.92 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.61 2.25 -0.19	31.45 2.28 -1.31	31.64 2.40 -0.34	33.20 2.31 -1.35	36.95 2.54 -4.48	41.97 2.83 -4.21	50.24 3.40 -4.42	44.54 3.20 -0.87	39.39 2.89 -0.38	37.20 2.56 -0.06	35.10 2.53 -0.17	32.88 2.35 -0.01	31.62 1.93 0.00
PLATSBURG_115KV_PMLD1 355749	3.21 -2.68 20.94	1.75 -2.70 21.75	1.34 -2.72 20.89	1.21 -2.26 17.28	1.17 -2.32 17.42	1.12 -2.43 17.76	3.04 -3.02 20.87	9.95 -3.12 14.57	1.24 -3.03 22.06	1.19 -2.96 21.62	1.27 -3.15 23.19	2.06 -3.10 23.02	2.09 -3.01 22.75	2.15 -3.09 23.67	2.09 -3.22 24.23	12.02 -3.32 14.59	31.35 -3.67 -0.09	38.14 -4.37 -0.09	37.01 -3.48 -0.02	33.63 -2.49 -0.01	32.30 -2.28 0.00	29.97 -2.43 0.00	28.85 -1.68 0.00	27.97 -1.72 0.00
PLEASANTVLY___LBMP 24000	34.05 1.42 -5.80	31.59 1.34 -4.06	30.89 1.22 -4.72	30.23 1.04 -8.44	30.40 1.05 -8.44	29.80 1.11 -7.38	31.96 1.43 -3.61	32.98 1.55 -3.79	32.01 1.53 -4.15	29.97 1.49 -2.71	29.31 1.71 0.00	30.11 1.75 -0.19	30.94 1.75 -1.34	31.05 1.79 -0.35	32.76 1.83 -1.38	36.54 2.04 -4.57	41.50 2.27 -4.30	49.65 2.72 -4.52	43.95 2.59 -0.89	38.82 2.31 -0.39	36.85 2.21 -0.06	34.47 2.07 0.00	32.57 1.86 -0.19	31.24 1.54 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	34.20 1.66 -5.70	31.76 1.57 -3.99	31.01 1.42 -4.64	30.25 1.20 -8.30	30.43 1.21 -8.30	29.87 1.30 -7.25	32.17 1.70 -3.55	33.19 1.82 -3.72	32.20 1.79 -4.08	30.19 1.75 -2.66	29.61 2.01 0.00	30.44 2.08 -0.19	31.25 2.09 -1.32	31.39 2.14 -0.34	33.06 2.16 -1.36	36.82 2.39 -4.49	41.85 2.69 -4.22	50.09 3.22 -4.44	44.42 3.08 -0.87	39.24 2.75 -0.38	37.23 2.59 -0.06	34.83 2.43 0.00	32.93 2.23 -0.19	31.54 1.84 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	34.20 1.66 -5.70	31.76 1.57 -3.99	31.01 1.42 -4.64	30.25 1.20 -8.30	30.43 1.21 -8.30	29.87 1.30 -7.25	32.17 1.70 -3.55	33.19 1.82 -3.72	32.20 1.79 -4.08	30.19 1.75 -2.66	29.61 2.01 0.00	30.44 2.08 -0.19	31.25 2.09 -1.32	31.39 2.14 -0.34	33.06 2.16 -1.36	36.82 2.39 -4.49	41.85 2.69 -4.22	50.09 3.22 -4.44	44.42 3.08 -0.87	39.24 2.75 -0.38	37.23 2.59 -0.06	34.83 2.43 0.00	32.93 2.23 -0.19	31.54 1.84 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	34.13 1.56 -5.74	31.66 1.44 -4.02	30.97 1.35 -4.67	30.23 1.12 -8.36	30.42 1.15 -8.36	29.85 1.24 -7.30	32.08 1.59 -3.57	33.08 1.69 -3.75	32.10 1.66 -4.11	30.07 1.62 -2.68	29.45 1.85 0.00	30.22 1.86 -0.19	31.04 1.87 -1.33	31.19 1.94 -0.34	32.92 2.01 -1.37	36.67 2.22 -4.52	41.77 2.59 -4.25	49.99 3.10 -4.47	44.27 2.91 -0.88	39.10 2.60 -0.38	37.09 2.46 -0.06	34.67 2.27 0.00	32.75 2.04 -0.19	31.39 1.69 0.00
POLETTI___ 23519	34.34 1.82 -5.68	31.90 1.73 -3.97	31.14 1.57 -4.62	30.33 1.31 -8.27	30.52 1.34 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.84 2.24 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.65 2.40 -0.34	33.29 2.39 -1.35	36.95 2.54 -4.48	37.71 2.83 0.05	43.96 3.39 1.86	38.08 3.20 5.60	37.67 2.85 1.30	37.34 2.70 -0.06	34.96 2.56 0.00	33.12 2.41 -0.19	31.80 2.11 0.00
POMONA___ESR 323819	33.99 1.58 -5.58	31.60 1.49 -3.90	30.84 1.35 -4.54	30.01 1.14 -8.12	30.20 1.17 -8.12	29.65 1.24 -7.09	32.04 1.64 -3.47	33.06 1.77 -3.64	32.06 1.74 -3.99	30.08 1.70 -2.60	29.56 1.96 0.00	30.33 1.97 -0.18	31.11 1.98 -1.29	31.32 2.08 -0.33	32.91 2.04 -1.33	36.67 2.34 -4.40	41.69 2.62 -4.13	49.95 3.18 -4.34	44.28 2.95 -0.85	39.13 2.64 -0.37	36.99 2.35 -0.06	34.70 2.30 0.00	32.78 2.08 -0.18	31.42 1.72 0.00
PORT_JEFF_3 23555	34.93 2.42 -5.68	32.22 2.04 -3.98	31.27 1.70 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.27 1.73 -7.22	32.75 2.29 -3.53	33.59 2.24 -3.71	32.87 2.47 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.12 2.76 -0.19	31.70 2.53 -1.31	32.23 2.98 -0.35	33.90 2.98 -1.37	40.71 3.26 -7.52	45.24 3.60 -6.71	59.13 4.20 -12.51	52.67 4.01 -8.18	46.32 3.69 -6.51	42.90 3.42 -4.89	40.27 3.18 -4.70	33.74 3.02 -0.19	32.41 2.70 -0.01



PORT_JEFF_4 23616	34.93 2.42 -5.68	32.22 2.04 -3.98	31.27 1.70 -4.62	30.52 1.49 -8.27	30.71 1.53 -8.27	30.27 1.73 -7.22	32.75 2.29 -3.53	33.59 2.24 -3.71	32.87 2.47 -4.07	30.72 2.29 -2.65	30.11 2.51 0.00	31.12 2.76 -0.19	31.70 2.53 -1.31	32.23 2.98 -0.35	33.90 2.98 -1.37	40.71 3.26 -7.52	45.24 3.60 -6.71	59.13 4.20 -12.51	52.67 4.01 -8.18	46.32 3.69 -6.51	42.90 3.42 -4.89	40.27 3.18 -4.70	33.74 3.02 -0.19	32.41 2.70 -0.01
PORT_JEFF_IC 23713	34.95 2.44 -5.68	32.24 2.07 -3.98	31.32 1.75 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.74 2.32 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.83 2.67 -1.31	32.17 2.92 -0.35	33.93 3.01 -1.37	40.75 3.29 -7.53	45.32 3.67 -6.72	59.23 4.28 -12.53	52.72 4.05 -8.20	46.37 3.72 -6.53	43.08 3.60 -4.91	40.41 3.30 -4.71	33.77 3.05 -0.19	32.32 2.61 -0.01
PPL PILGRIM_ST_GT1 24216	34.93 2.42 -5.68	32.24 2.07 -3.98	31.29 1.72 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.75 2.59 -1.31	32.26 3.01 -0.35	33.90 2.98 -1.37	40.78 3.29 -7.56	45.24 3.56 -6.75	59.20 4.16 -12.62	52.73 3.97 -8.28	46.36 3.65 -6.59	42.93 3.39 -4.96	40.40 3.24 -4.76	33.80 3.08 -0.19	32.41 2.70 -0.01
PPL PILGRIM_ST_GT2 24217	34.93 2.42 -5.68	32.24 2.07 -3.98	31.29 1.72 -4.62	30.52 1.49 -8.27	30.73 1.55 -8.27	30.29 1.75 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.90 2.50 -4.07	30.72 2.29 -2.65	30.14 2.54 0.00	31.15 2.79 -0.19	31.75 2.59 -1.31	32.26 3.01 -0.35	33.90 2.98 -1.37	40.78 3.29 -7.56	45.24 3.56 -6.75	59.20 4.16 -12.62	52.73 3.97 -8.28	46.36 3.65 -6.59	42.93 3.39 -4.96	40.40 3.24 -4.76	33.80 3.08 -0.19	32.41 2.70 -0.01
PPL_SHRM_GT3 24213	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.33 1.79 -7.22	32.80 2.34 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.96 3.04 -1.37	40.81 3.35 -7.52	45.39 3.74 -6.71	59.14 4.20 -12.51	52.63 3.97 -8.19	46.50 3.87 -6.52	43.01 3.53 -4.90	40.18 3.08 -4.70	33.77 3.05 -0.19	32.53 2.82 -0.01
PPL_SHRM_GT4 24214	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.73 1.55 -8.27	30.33 1.79 -7.22	32.80 2.34 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.96 3.04 -1.37	40.81 3.35 -7.52	45.39 3.74 -6.71	59.14 4.20 -12.51	52.63 3.97 -8.19	46.50 3.87 -6.52	43.01 3.53 -4.90	40.18 3.08 -4.70	33.77 3.05 -0.19	32.53 2.82 -0.01
PROJECT___ORANGE 1 24174	26.81 -0.16 -0.14	25.98 -0.18 0.04	24.84 -0.15 -0.04	21.07 -0.15 -0.46	21.22 -0.15 -0.46	21.56 -0.11 -0.35	26.70 -0.16 0.07	27.58 -0.14 -0.07	26.13 -0.16 0.04	25.48 -0.13 0.16	26.96 -0.19 0.45	27.55 -0.20 0.43	27.34 -0.19 0.32	28.31 -0.17 0.43	29.03 -0.18 0.34	29.87 -0.21 -0.15	35.06 -0.28 -0.41	42.51 -0.34 -0.43	40.16 -0.40 -0.08	35.76 -0.40 -0.04	34.17 -0.41 -0.01	32.04 -0.36 0.00	30.11 -0.43 -0.02	29.46 -0.24 0.00
PROJECT___ORANGE 2 24166	26.81 -0.16 -0.14	25.98 -0.18 0.04	24.84 -0.15 -0.04	21.07 -0.15 -0.46	21.22 -0.15 -0.46	21.56 -0.11 -0.35	26.70 -0.16 0.07	27.58 -0.14 -0.07	26.13 -0.16 0.04	25.48 -0.13 0.16	26.96 -0.19 0.45	27.55 -0.20 0.43	27.34 -0.19 0.32	28.31 -0.17 0.43	29.03 -0.18 0.34	29.87 -0.21 -0.15	35.06 -0.28 -0.41	42.51 -0.34 -0.43	40.16 -0.40 -0.08	35.76 -0.40 -0.04	34.17 -0.41 -0.01	32.04 -0.36 0.00	30.11 -0.43 -0.02	29.46 -0.24 0.00
PUCKETT___SOLAR 323809	29.38 0.46 -2.10	28.11 0.44 -1.47	27.08 0.42 -1.71	24.20 0.39 -3.05	24.38 0.42 -3.05	24.41 0.43 -2.67	28.82 0.59 -1.30	29.75 0.75 -1.35	28.47 0.66 -1.48	27.31 0.57 -0.97	28.40 0.80 0.00	28.92 0.68 -0.07	28.91 0.59 -0.48	29.81 0.78 -0.12	30.66 0.62 -0.49	32.45 0.87 -1.65	37.59 1.12 -1.54	45.43 1.40 -1.61	42.09 1.29 -0.32	37.45 1.19 -0.14	35.88 1.28 -0.02	33.53 1.13 0.00	31.29 0.70 -0.07	30.58 0.89 0.00
PYRITES___HYD 24023	7.76 -1.90 17.17	6.49 -1.86 17.85	5.92 -1.90 17.14	5.08 -1.54 14.13	5.08 -1.59 14.24	5.10 -1.68 14.54	7.77 -2.02 17.13	13.62 -2.07 11.95	6.09 -2.13 18.10	5.80 -2.22 17.76	6.18 -2.35 19.07	6.93 -2.31 18.93	6.92 -2.23 18.70	7.13 -2.31 19.46	7.23 -2.39 19.92	15.55 -2.42 11.95	32.53 -2.52 -0.11	39.66 -2.88 -0.12	38.48 -2.02 -0.02	34.97 -1.16 -0.01	33.51 -1.07 0.00	30.97 -1.43 0.00	29.70 -0.82 0.00	28.69 -1.01 0.00
QUAKERRD_115KV_BK1 80622	25.85 -1.37 -0.39	25.08 -1.39 -0.27	23.92 -1.35 -0.32	20.74 -1.02 -1.01	20.98 -0.94 -1.01	21.32 -0.87 -0.88	26.20 -1.16 -0.43	26.78 -1.33 -0.46	25.47 -1.37 -0.51	24.81 -1.29 -0.33	25.97 -1.63 0.00	26.70 -1.49 -0.02	26.62 -1.39 -0.16	27.53 -1.42 -0.04	28.29 -1.42 -0.17	29.16 -1.32 -0.55	33.96 -1.50 -0.53	41.07 -1.91 -0.55	38.68 -1.90 -0.11	34.25 -1.91 -0.05	32.58 -2.01 -0.01	30.68 -1.72 0.00	28.86 -1.68 -0.02	28.21 -1.48 0.00
QUEENSBRY_115KV_TB8 356137	34.60 1.18 -6.59	31.96 1.15 -4.61	31.34 1.02 -5.36	31.22 0.87 -9.59	31.41 0.90 -9.59	30.66 0.96 -8.38	32.26 1.24 -4.10	33.14 1.19 -4.31	32.34 1.29 -4.72	29.98 1.13 -3.08	28.81 1.21 0.00	29.40 1.01 -0.22	30.37 1.00 -1.52	30.37 1.07 -0.39	32.30 1.18 -1.57	36.44 1.32 -5.19	41.49 1.68 -4.88	49.72 2.16 -5.14	43.47 1.98 -1.01	38.22 1.66 -0.44	36.38 1.73 -0.07	33.86 1.46 0.00	32.99 2.26 -0.22	31.57 1.87 0.00
RAMAPO___LBMP 323565	33.91 1.50 -5.57	31.51 1.41 -3.90	30.76 1.27 -4.53	29.96 1.10 -8.11	30.13 1.11 -8.11	29.58 1.17 -7.09	31.95 1.56 -3.47	32.97 1.69 -3.64	31.98 1.66 -3.99	30.00 1.62 -2.60	29.48 1.88 0.00	30.24 1.89 -0.18	31.03 1.89 -1.29	31.15 1.91 -0.33	32.82 1.95 -1.33	36.54 2.22 -4.39	41.54 2.48 -4.13	49.77 3.01 -4.34	44.16 2.83 -0.85	38.98 2.49 -0.37	36.99 2.35 -0.06	34.57 2.17 0.00	32.69 1.98 -0.18	31.33 1.63 0.00
RANKINE____ 23646	25.00 -2.17 -0.34	24.27 -2.17 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.08 -1.43 -1.19	25.62 -1.88 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.07 -2.06 -0.36	26.00 -1.60 0.00	26.34 -1.86 -0.03	25.86 -2.17 -0.18	26.74 -2.23 -0.06	27.57 -2.16 -0.19	28.79 -1.89 -0.74	33.34 -2.17 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.61 -2.56 -0.06	32.65 -1.94 -0.01	31.07 -1.33 0.00	28.54 -2.01 -0.03	28.63 -1.07 0.00
RAVENSWOOD_GT2_1 24244	34.36 1.85 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00



RAVENSWOOD_GT2_2 24245	34.36 1.85 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD_GT2_3 24246	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.65 2.40 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
RAVENSWOOD_GT2_4 24247	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.35 1.33 -8.27	30.52 1.34 -8.27	29.95 1.41 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.86 2.26 0.00	30.72 2.37 -0.19	31.53 2.37 -1.31	31.65 2.40 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.71 3.36 -0.87	39.50 3.00 -0.38	37.47 2.84 -0.06	35.05 2.66 0.00	33.18 2.47 -0.19	31.80 2.11 0.00
RAVENSWOOD_GT3_1 24248	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD_GT3_2 24249	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.38 1.96 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD_GT3_3 24250	34.39 1.88 -5.68	31.93 1.76 -3.97	31.17 1.60 -4.62	30.35 1.33 -8.27	30.54 1.36 -8.27	29.97 1.43 -7.22	32.34 1.88 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.75 3.40 -0.87	39.53 3.03 -0.38	37.51 2.87 -0.06	35.09 2.69 0.00	33.21 2.50 -0.19	31.83 2.14 0.00
RAVENSWOOD_GT3_4 24251	34.39 1.88 -5.68	31.93 1.76 -3.97	31.17 1.60 -4.62	30.35 1.33 -8.27	30.54 1.36 -8.27	29.97 1.43 -7.22	32.34 1.88 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.75 2.39 -0.19	31.56 2.39 -1.31	31.67 2.43 -0.34	33.32 2.42 -1.35	37.07 2.66 -4.48	42.11 2.97 -4.21	50.41 3.56 -4.42	44.75 3.40 -0.87	39.53 3.03 -0.38	37.51 2.87 -0.06	35.09 2.69 0.00	33.21 2.50 -0.19	31.83 2.14 0.00
RAVENSWOOD_GT_1 23729	34.51 1.99 -5.69	32.03 1.86 -3.97	31.27 1.70 -4.62	30.43 1.41 -8.27	30.60 1.42 -8.27	30.01 1.47 -7.22	32.40 1.94 -3.53	33.40 2.05 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.92 2.32 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.76 2.51 -0.34	33.38 2.48 -1.35	37.16 2.75 -4.48	42.18 3.04 -4.21	50.49 3.65 -4.42	44.87 3.52 -0.87	39.64 3.14 -0.38	37.58 2.94 -0.06	35.15 2.75 0.00	33.30 2.59 -0.19	31.96 2.26 -0.01
RAVENSWOOD_GT_10 24258	34.34 1.82 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD_GT_11 24259	34.34 1.82 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD_GT_4 24252	34.33 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.62 3.28 -0.87	39.42 2.93 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.01
RAVENSWOOD_GT_5 24254	34.33 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.62 3.28 -0.87	39.42 2.93 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.01
RAVENSWOOD_GT_6 24253	34.33 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.62 3.28 -0.87	39.42 2.93 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.01
RAVENSWOOD_GT_7 24255	34.33 1.82 -5.68	31.88 1.70 -3.97	31.12 1.55 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.62 3.28 -0.87	39.42 2.93 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.01
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	34.34 1.82 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00



RAVENSWOOD_GT_9 24257	34.34 1.82 -5.68	31.90 1.73 -3.97	31.12 1.55 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.93 1.39 -7.22	32.32 1.86 -3.53	33.35 1.99 -3.71	32.40 2.00 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.70 2.34 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.29 2.39 -1.35	37.04 2.63 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.15 2.44 -0.19	31.77 2.08 0.00
RAVENSWOOD___1 23533	34.51 1.99 -5.69	32.03 1.86 -3.97	31.25 1.67 -4.62	30.43 1.41 -8.27	30.61 1.42 -8.27	30.01 1.47 -7.22	32.40 1.94 -3.53	33.40 2.05 -3.71	32.45 2.05 -4.07	30.43 2.01 -2.65	29.92 2.32 0.00	30.81 2.45 -0.19	31.61 2.45 -1.31	31.82 2.57 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	42.18 3.04 -4.21	50.49 3.65 -4.42	44.83 3.48 -0.87	39.64 3.14 -0.38	37.44 2.80 -0.06	35.15 2.75 0.00	33.30 2.59 -0.19	31.90 2.20 -0.01
RAVENSWOOD___2 23534	34.51 1.99 -5.69	32.03 1.86 -3.97	31.25 1.67 -4.62	30.41 1.39 -8.27	30.58 1.40 -8.27	30.01 1.47 -7.22	32.37 1.91 -3.53	33.40 2.05 -3.71	32.42 2.03 -4.07	30.43 2.01 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.61 2.45 -1.31	31.82 2.57 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.18 3.04 -4.21	50.45 3.60 -4.42	44.83 3.48 -0.87	39.64 3.14 -0.38	37.44 2.80 -0.06	35.15 2.75 0.00	33.27 2.56 -0.19	31.90 2.20 -0.01
RAVENSWOOD___3 23535	34.36 1.85 -5.68	31.90 1.73 -3.97	31.15 1.57 -4.62	30.33 1.31 -8.27	30.50 1.32 -8.27	29.95 1.41 -7.22	32.31 1.86 -3.53	33.35 1.99 -3.71	32.39 2.00 -4.07	30.38 1.96 -2.65	29.83 2.23 0.00	30.69 2.34 -0.19	31.50 2.34 -1.31	31.70 2.46 -0.34	33.29 2.39 -1.35	37.01 2.60 -4.48	42.07 2.93 -4.21	50.36 3.52 -4.42	44.67 3.32 -0.87	39.49 3.00 -0.38	37.34 2.70 -0.06	35.02 2.62 0.00	33.18 2.47 -0.19	31.74 2.05 0.00
RAVENSWOOD___4 23820	34.48 1.96 -5.69	32.01 1.83 -3.97	31.25 1.67 -4.62	30.41 1.39 -8.27	30.58 1.40 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.61 2.45 -1.31	31.79 2.54 -0.34	33.35 2.45 -1.35	37.10 2.70 -4.48	42.14 3.00 -4.21	50.45 3.60 -4.42	44.83 3.48 -0.87	39.61 3.11 -0.38	37.41 2.77 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.90 2.20 -0.01
RCPI_TRUST___DRP 24196	34.31 1.80 -5.68	31.88 1.70 -3.97	31.09 1.52 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.67 2.31 -0.19	31.47 2.31 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.00
RED___ROCHESTER 323720	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.30 -0.95 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.21 -0.99 -0.02	27.10 -0.92 -0.17	27.79 -1.16 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.87 -1.30 -0.05	33.62 -0.97 -0.01	31.36 -1.04 0.00	29.54 -1.01 -0.02	28.80 -0.89 0.00
REGAN___SOLAR 323812	35.50 1.64 -7.03	32.72 1.60 -4.92	32.12 1.45 -5.72	32.21 1.22 -10.24	32.41 1.25 -10.24	31.56 1.30 -8.94	33.02 1.72 -4.38	33.90 1.66 -4.60	33.02 1.66 -5.03	30.42 1.36 -3.28	29.01 1.41 0.00	29.78 1.38 -0.23	30.78 1.31 -1.63	30.83 1.50 -0.42	32.87 1.65 -1.68	37.45 1.98 -5.54	42.83 2.69 -5.21	51.33 3.43 -5.48	44.75 3.20 -1.07	39.37 2.78 -0.47	37.35 2.70 -0.07	34.86 2.46 0.00	32.95 2.20 -0.23	31.57 1.87 0.00
RENSSELAER___COGEN 23796	33.73 0.48 -6.42	31.13 0.44 -4.49	30.59 0.42 -5.22	30.44 0.35 -9.34	30.61 0.36 -9.34	29.88 0.40 -8.16	31.43 0.51 -3.99	32.31 0.47 -4.19	31.45 0.53 -4.60	29.28 0.52 -3.00	28.24 0.64 0.00	29.03 0.65 -0.21	29.92 0.59 -1.48	29.96 0.67 -0.38	31.72 0.65 -1.53	35.65 0.66 -5.06	40.46 0.77 -4.75	48.40 0.98 -5.00	42.35 0.89 -0.98	37.38 0.83 -0.43	35.37 0.73 -0.06	33.14 0.75 0.00	31.49 0.76 -0.21	30.14 0.45 0.00
REPUBLIC_115KV_BARTNBRK 55605	35.78 2.36 -6.59	33.11 2.31 -4.61	32.36 2.05 -5.36	32.08 1.74 -9.59	32.32 1.82 -9.59	31.59 1.90 -8.38	33.50 2.48 -4.10	34.33 2.38 -4.31	33.52 2.47 -4.72	31.04 2.19 -3.08	29.95 2.35 0.00	30.56 2.17 -0.21	31.49 2.12 -1.52	31.58 2.28 -0.39	33.62 2.51 -1.57	37.82 2.69 -5.19	43.34 3.53 -4.88	52.14 4.58 -5.13	45.69 4.21 -1.01	40.10 3.54 -0.44	38.24 3.60 -0.07	35.51 3.11 0.00	34.34 3.60 -0.21	32.75 3.06 0.00
REVERE_CPPR_DRP 24186	26.51 0.59 0.91	25.72 0.58 1.05	24.53 0.55 0.97	20.67 0.48 0.56	20.83 0.48 0.57	21.17 0.49 0.64	26.60 0.70 1.03	27.74 0.75 0.65	25.95 0.68 1.07	25.19 0.54 1.12	26.85 0.61 1.35	27.43 0.59 1.33	27.23 0.64 1.26	28.27 0.72 1.36	28.88 0.68 1.34	30.13 0.81 0.61	36.32 1.15 -0.23	44.11 1.44 -0.25	41.98 1.46 -0.05	37.66 1.52 -0.02	36.00 1.42 0.00	33.56 1.17 0.00	31.54 1.01 -0.01	30.73 1.04 0.00
REYNOLDS_115KV_TB3 80639	34.01 0.75 -6.43	31.40 0.71 -4.50	30.85 0.67 -5.23	30.65 0.54 -9.36	30.81 0.54 -9.36	30.09 0.60 -8.17	31.68 0.75 -4.00	32.54 0.69 -4.20	31.64 0.71 -4.60	29.50 0.72 -3.00	28.43 0.83 0.00	29.23 0.85 -0.21	30.14 0.81 -1.49	30.16 0.87 -0.38	31.96 0.89 -1.53	35.92 0.93 -5.06	40.78 1.08 -4.76	48.75 1.32 -5.01	42.71 1.25 -0.98	37.67 1.12 -0.43	35.75 1.11 -0.06	33.43 1.04 0.00	31.74 1.01 -0.21	30.41 0.71 0.00
RIVERBAY____ 323610	34.59 2.07 -5.69	32.17 1.99 -3.97	31.34 1.77 -4.62	30.49 1.47 -8.27	30.67 1.48 -8.27	30.01 1.47 -7.22	32.42 1.97 -3.53	33.40 2.05 -3.71	32.45 2.05 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.78 2.42 -0.19	31.58 2.42 -1.31	31.70 2.46 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.15 2.75 0.00	33.27 2.56 -0.19	32.02 2.32 -0.01
RIVERSDE_115KV_TB3 55908	33.89 0.62 -6.44	31.28 0.58 -4.50	30.74 0.55 -5.24	30.58 0.46 -9.37	30.74 0.46 -9.37	30.01 0.51 -8.18	31.58 0.65 -4.01	32.43 0.58 -4.21	31.57 0.63 -4.61	29.42 0.64 -3.01	28.35 0.75 0.00	29.14 0.76 -0.21	30.06 0.72 -1.49	30.07 0.78 -0.38	31.87 0.80 -1.53	35.81 0.81 -5.07	40.65 0.94 -4.77	48.58 1.15 -5.02	42.55 1.09 -0.98	37.52 0.98 -0.43	35.61 0.97 -0.06	33.31 0.91 0.00	31.65 0.92 -0.21	30.29 0.59 0.00
ROARING___BROOK_WT_PWR 323790	1.70 -1.42 23.71	0.23 -1.39 24.58	0.00 -1.32 23.63	0.00 -1.10 19.65	0.00 -1.11 19.80	0.00 -1.15 20.17	1.92 -1.43 23.58	9.69 -1.47 16.49	0.00 -1.40 24.93	0.00 -1.37 24.40	0.00 -1.49 26.11	0.76 -1.49 25.92	0.72 -1.48 25.65	0.69 -1.56 26.66	0.66 -1.57 27.31	11.82 -1.59 16.53	33.22 -1.71 0.00	40.43 -1.99 0.00	38.86 -1.62 0.00	34.96 -1.16 0.00	33.51 -1.07 0.00	31.36 -1.04 0.00	29.82 -0.70 0.00	28.92 -0.77 0.00



ROCHESRG_115KV_T4 355643	26.10 -1.10 -0.37	25.33 -1.13 -0.26	24.13 -1.12 -0.30	20.99 -0.79 -1.03	21.23 -0.71 -1.03	21.60 -0.62 -0.90	26.50 -0.86 -0.44	27.04 -1.08 -0.47	25.72 -1.13 -0.52	25.05 -1.06 -0.34	26.19 -1.41 0.00	26.96 -1.24 -0.02	26.87 -1.14 -0.17	27.76 -1.19 -0.04	28.59 -1.12 -0.17	29.50 -0.99 -0.56	34.35 -1.12 -0.54	41.50 -1.48 -0.56	39.05 -1.54 -0.11	34.58 -1.59 -0.05	32.86 -1.73 -0.01	31.01 -1.39 0.00	29.17 -1.37 -0.02	28.54 -1.16 0.00
ROCHESTER_9_IC 23652	26.18 -1.02 -0.36	25.41 -1.05 -0.26	24.20 -1.05 -0.30	21.06 -0.73 -1.03	21.30 -0.65 -1.03	21.69 -0.53 -0.90	26.61 -0.75 -0.44	27.18 -0.94 -0.47	25.79 -1.05 -0.52	25.16 -0.95 -0.34	26.30 -1.30 0.00	27.07 -1.13 -0.02	26.99 -1.03 -0.17	27.91 -1.04 -0.04	28.71 -1.00 -0.17	29.65 -0.84 -0.56	34.53 -0.94 -0.54	41.71 -1.27 -0.56	39.29 -1.30 -0.11	34.79 -1.37 -0.05	33.07 -1.52 -0.01	31.20 -1.20 0.00	29.32 -1.22 -0.02	28.69 -1.01 0.00
ROCKVIEW_13_KV_LD 356306	34.31 1.80 -5.68	31.85 1.68 -3.97	31.10 1.52 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.39 -7.22	32.26 1.80 -3.53	33.32 1.96 -3.71	32.34 1.95 -4.07	30.33 1.91 -2.65	29.78 2.18 0.00	30.61 2.25 -0.19	31.42 2.26 -1.31	31.56 2.31 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.07 2.93 -4.21	50.37 3.52 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.09 2.38 -0.19	31.68 1.99 0.00
ROME____115KV_TB2 80656	26.51 0.59 0.91	25.72 0.58 1.05	24.53 0.55 0.97	20.67 0.48 0.56	20.83 0.48 0.57	21.17 0.49 0.64	26.60 0.70 1.03	27.74 0.75 0.65	25.95 0.68 1.07	25.19 0.54 1.12	26.85 0.61 1.35	27.43 0.59 1.33	27.23 0.64 1.26	28.27 0.72 1.36	28.88 0.68 1.34	30.13 0.81 0.61	36.32 1.15 -0.23	44.11 1.44 -0.25	41.98 1.46 -0.05	37.66 1.52 -0.02	36.00 1.42 0.00	33.56 1.17 0.00	31.54 1.01 -0.01	30.73 1.04 0.00
ROSETON___1 23587	33.93 1.42 -5.68	31.51 1.34 -3.97	30.79 1.22 -4.62	30.05 1.04 -8.27	30.22 1.05 -8.27	29.65 1.11 -7.22	31.91 1.45 -3.53	32.90 1.55 -3.71	31.92 1.53 -4.06	29.92 1.49 -2.65	29.31 1.71 0.00	30.10 1.75 -0.19	30.92 1.76 -1.31	31.10 1.85 -0.34	32.73 1.83 -1.35	36.44 2.04 -4.47	41.44 2.31 -4.21	49.60 2.76 -4.42	43.97 2.63 -0.87	38.84 2.35 -0.38	36.75 2.11 -0.06	34.44 2.04 0.00	32.57 1.86 -0.19	31.24 1.54 0.00
ROSETON___2 23588	33.93 1.42 -5.68	31.51 1.34 -3.97	30.79 1.22 -4.62	30.05 1.04 -8.27	30.22 1.05 -8.27	29.65 1.11 -7.22	31.91 1.45 -3.53	32.90 1.55 -3.71	31.92 1.53 -4.06	29.92 1.49 -2.65	29.31 1.71 0.00	30.10 1.75 -0.19	30.92 1.76 -1.31	31.10 1.85 -0.34	32.73 1.83 -1.35	36.44 2.04 -4.47	41.44 2.31 -4.21	49.60 2.76 -4.42	43.97 2.63 -0.87	38.84 2.35 -0.38	36.75 2.11 -0.06	34.44 2.04 0.00	32.57 1.86 -0.19	31.24 1.54 0.00
ROTRDAM_115KV_TB3 80664	34.25 0.78 -6.65	31.61 0.76 -4.65	31.08 0.72 -5.41	31.03 0.60 -9.67	31.19 0.61 -9.67	30.39 0.62 -8.45	31.87 0.81 -4.13	32.79 0.80 -4.34	31.88 0.79 -4.76	29.60 0.72 -3.11	28.40 0.80 0.00	29.18 0.79 -0.22	30.16 0.78 -1.54	30.11 0.81 -0.40	32.01 0.89 -1.58	36.16 0.99 -5.24	41.05 1.19 -4.92	49.09 1.48 -5.18	42.91 1.42 -1.01	37.79 1.23 -0.44	35.86 1.21 -0.07	33.50 1.10 0.00	31.84 1.10 -0.22	30.59 0.89 0.00
RUSSELL___1 23602	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
RUSSELL___2 23532	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
RUSSELL___3 23549	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
RUSSELL___4 23556	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
RUSSELL___STATION 23914	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
S SALMON___HYD 24043	25.11 -0.43 1.29	24.29 -0.42 1.49	23.16 -0.42 1.37	19.63 -0.33 0.79	19.75 -0.36 0.80	20.02 -0.38 0.91	25.01 -0.46 1.45	26.31 -0.41 0.92	24.35 -0.47 1.51	23.73 -0.46 1.58	25.10 -0.58 1.92	25.69 -0.59 1.89	25.51 -0.56 1.78	26.43 -0.55 1.93	27.08 -0.56 1.90	28.50 -0.57 0.86	34.74 -0.52 -0.33	42.05 -0.72 -0.35	39.90 -0.65 -0.07	35.68 -0.47 -0.03	34.21 -0.38 0.00	31.94 -0.45 0.00	30.05 -0.49 -0.01	29.31 -0.39 0.00
S.PERRY__115KV_TB1 80734	26.09 -0.89 -0.14	25.39 -0.92 -0.11	24.23 -0.85 -0.12	21.62 -0.60 -1.47	21.90 -0.48 -1.47	22.28 -0.32 -1.28	27.15 -0.40 -0.63	27.86 -0.41 -0.63	26.28 -0.74 -0.69	25.42 -0.80 -0.45	26.74 -0.86 0.00	27.28 -0.93 -0.03	27.07 -1.00 -0.22	28.07 -0.90 -0.06	28.98 -0.80 -0.23	30.31 -0.42 -0.80	35.44 -0.21 -0.71	43.17 0.00 -0.75	40.71 0.08 -0.15	36.04 -0.14 -0.07	34.59 0.00 -0.01	32.56 0.16 0.00	30.28 -0.27 -0.03	29.75 0.06 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	25.05 -2.12 -0.34	24.30 -2.15 -0.24	23.14 -2.10 -0.28	20.47 -1.60 -1.31	20.74 -1.48 -1.31	21.08 -1.39 -1.15	25.65 -1.83 -0.56	25.91 -2.21 -0.47	24.69 -2.16 -0.52	24.02 -2.09 -0.34	25.61 -1.99 0.00	26.17 -2.03 -0.03	25.79 -2.23 -0.17	26.68 -2.28 -0.05	27.53 -2.19 -0.18	28.73 -1.92 -0.71	33.16 -2.31 -0.53	40.06 -2.93 -0.56	37.72 -2.87 -0.12	33.32 -2.85 -0.05	32.07 -2.52 -0.01	30.52 -1.88 0.00	28.26 -2.29 -0.03	28.18 -1.51 0.00



SAWYER___23_KV_LOAD 55526	25.05	24.30	23.14	20.47	20.74	21.08	25.65	25.91	24.69	24.02	25.61	26.17	25.79	26.68	27.53	28.73	33.16	40.06	37.72	33.32	32.07	30.52	28.26	28.18
	-2.12	-2.15	-2.10	-1.60	-1.48	-1.39	-1.83	-2.21	-2.16	-2.09	-1.99	-2.03	-2.23	-2.28	-2.19	-1.92	-2.31	-2.93	-2.87	-2.85	-2.52	-1.88	-2.29	-1.51
	-0.34	-0.24	-0.28	-1.31	-1.31	-1.15	-0.56	-0.47	-0.52	-0.34	0.00	-0.03	-0.17	-0.05	-0.18	-0.71	-0.53	-0.56	-0.12	-0.05	-0.01	0.00	-0.03	0.00
SELKIRK___I 23801	33.84	31.29	30.74	30.50	30.67	29.94	31.54	32.40	31.50	29.33	28.26	29.05	29.96	29.98	31.79	35.71	40.61	48.59	42.58	37.55	35.61	33.34	31.64	30.35
	0.67	0.66	0.62	0.52	0.52	0.55	0.67	0.61	0.63	0.59	0.66	0.68	0.64	0.69	0.74	0.78	0.98	1.23	1.13	1.01	0.97	0.94	0.91	0.65
	-6.34	-4.44	-5.16	-9.23	-9.23	-8.06	-3.95	-4.14	-4.54	-2.96	0.00	-0.21	-1.47	-0.38	-1.51	-5.00	-4.70	-4.94	-0.97	-0.42	-0.06	0.00	-0.21	0.00
SELKIRK___II 23799	33.79	31.22	30.67	30.49	30.65	29.91	31.49	32.38	31.48	29.35	28.29	29.08	29.99	30.01	31.77	35.72	40.54	48.50	42.50	37.48	35.47	33.24	31.55	30.26
	0.56	0.55	0.52	0.44	0.44	0.47	0.59	0.55	0.58	0.59	0.69	0.70	0.67	0.72	0.71	0.75	0.87	1.10	1.05	0.94	0.83	0.84	0.82	0.56
	-6.39	-4.47	-5.20	-9.30	-9.30	-8.12	-3.98	-4.18	-4.58	-2.99	0.00	-0.21	-1.48	-0.38	-1.52	-5.03	-4.74	-4.98	-0.98	-0.43	-0.06	0.00	-0.21	0.00
SENECA OSWGO___HYD 24041	26.42	25.61	24.48	20.73	20.88	21.20	26.33	27.24	25.76	25.10	26.58	27.16	26.95	27.88	28.61	29.42	34.67	42.05	39.78	35.39	33.90	31.72	29.84	29.16
	-0.38	-0.39	-0.35	-0.31	-0.31	-0.30	-0.38	-0.36	-0.37	-0.36	-0.44	-0.45	-0.45	-0.46	-0.44	-0.54	-0.63	-0.76	-0.77	-0.76	-0.69	-0.68	-0.70	-0.53
	0.03	0.20	0.12	-0.29	-0.28	-0.18	0.22	0.04	0.20	0.31	0.58	0.56	0.46	0.56	0.49	-0.02	-0.37	-0.39	-0.08	-0.03	0.00	0.00	-0.02	0.00
SENECA___115KV_TB3 355854	25.02	24.32	23.18	20.48	20.75	21.10	25.68	26.05	24.80	24.10	26.03	26.40	25.89	26.79	27.60	28.85	33.41	40.48	38.13	33.68	32.72	31.10	28.57	28.66
	-2.15	-2.12	-2.05	-1.64	-1.53	-1.41	-1.83	-2.10	-2.08	-2.04	-1.57	-1.80	-2.14	-2.17	-2.13	-1.83	-2.10	-2.55	-2.47	-2.49	-1.87	-1.30	-1.98	-1.04
	-0.34	-0.24	-0.28	-1.37	-1.37	-1.19	-0.58	-0.51	-0.55	-0.36	0.00	-0.03	-0.18	-0.06	-0.19	-0.74	-0.57	-0.60	-0.12	-0.06	-0.01	0.00	-0.03	0.00
SENECA___ENERGY 23797	26.99	26.15	25.03	21.52	21.73	22.05	27.08	27.87	26.54	25.77	27.24	27.78	27.58	28.55	29.31	30.24	35.26	42.81	40.32	35.81	34.42	32.14	30.06	29.43
	-0.48	-0.50	-0.45	-0.35	-0.31	-0.25	-0.32	-0.28	-0.34	-0.36	-0.36	-0.42	-0.45	-0.40	-0.41	-0.30	-0.24	-0.21	-0.28	-0.36	-0.17	-0.26	-0.49	-0.27
	-0.64	-0.45	-0.52	-1.13	-1.13	-0.98	-0.48	-0.51	-0.55	-0.36	0.00	-0.03	-0.18	-0.05	-0.18	-0.61	-0.57	-0.60	-0.12	-0.05	-0.01	0.00	-0.03	0.00
SHOEMAKER___GT 23640	33.52	31.19	30.45	29.53	29.72	29.20	31.62	32.62	31.60	29.65	29.17	29.92	30.68	30.90	32.48	36.09	41.08	49.28	43.81	38.72	36.64	34.34	32.44	31.12
	1.31	1.23	1.12	0.96	0.98	1.04	1.35	1.46	1.42	1.36	1.57	1.58	1.59	1.68	1.65	1.92	2.17	2.67	2.51	2.24	2.00	1.94	1.74	1.43
	-5.38	-3.76	-4.37	-7.83	-7.83	-6.84	-3.35	-3.51	-3.85	-2.51	0.00	-0.18	-1.24	-0.32	-1.28	-4.24	-3.98	-4.19	-0.82	-0.36	-0.05	0.00	-0.18	0.00
SHOEMAKR_138KV_BK 111 55601	33.50	31.17	30.43	29.49	29.68	29.16	31.60	32.60	31.58	29.66	29.20	29.95	30.70	30.85	32.50	36.06	41.06	49.26	43.76	38.68	36.74	34.34	32.44	31.15
	1.31	1.23	1.12	0.95	0.98	1.04	1.35	1.47	1.42	1.39	1.60	1.61	1.62	1.62	1.68	1.92	2.17	2.67	2.47	2.20	2.11	1.94	1.74	1.46
	-5.35	-3.74	-4.35	-7.79	-7.79	-6.80	-3.33	-3.49	-3.83	-2.50	0.00	-0.17	-1.24	-0.32	-1.27	-4.22	-3.96	-4.16	-0.82	-0.36	-0.05	0.00	-0.17	0.00
SHOREHAM_IC_1 23715	35.01	32.27	31.29	30.56	30.73	30.33	32.80	33.65	32.95	30.77	30.11	31.15	31.70	32.26	33.96	40.81	45.39	59.14	52.63	46.50	43.01	40.18	33.77	32.53
	2.50	2.10	1.72	1.54	1.55	1.79	2.34	2.29	2.55	2.34	2.51	2.79	2.53	3.01	3.04	3.35	3.74	4.20	3.97	3.87	3.53	3.08	3.05	2.82
	-5.68	-3.98	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.35	-1.37	-7.52	-6.71	-12.51	-8.19	-6.52	-4.90	-4.70	-0.19	-0.01
SHOREHAM_IC_2 23716	35.01	32.27	31.29	30.56	30.73	30.33	32.80	33.65	32.95	30.77	30.11	31.15	31.70	32.26	33.96	40.81	45.39	59.14	52.63	46.50	43.01	40.18	33.77	32.53
	2.50	2.10	1.72	1.54	1.55	1.79	2.34	2.29	2.55	2.34	2.51	2.79	2.53	3.01	3.04	3.35	3.74	4.20	3.97	3.87	3.53	3.08	3.05	2.82
	-5.68	-3.98	-4.62	-8.27	-8.27	-7.22	-3.53	-3.71	-4.07	-2.65	0.00	-0.19	-1.31	-0.35	-1.37	-7.52	-6.71	-12.51	-8.19	-6.52	-4.90	-4.70	-0.19	-0.01
SISSONVILLE____ 23735	7.95	6.70	6.12	5.26	5.25	5.30	7.96	13.67	6.36	6.14	6.54	7.32	7.30	7.52	7.61	15.66	32.18	39.15	37.91	34.43	32.99	30.55	29.31	28.33
	-2.17	-2.12	-2.15	-1.74	-1.80	-1.88	-2.29	-2.35	-2.34	-2.35	-2.48	-2.42	-2.34	-2.43	-2.54	-2.63	-2.86	-3.39	-2.59	-1.70	-1.59	-1.85	-1.22	-1.37
	16.71	17.38	16.68	13.75	13.86	14.15	16.68	11.63	17.62	17.29	18.57	18.43	18.21	18.95	19.39	11.63	-0.12	-0.12	-0.02	-0.01	0.00	0.00	-0.01	0.00
SITHE_IND_GS1 24169	26.59	25.86	24.68	20.80	20.96	21.28	26.51	27.20	25.94	25.30	26.80	27.40	27.16	28.12	28.84	29.27	34.06	41.28	39.16	34.85	33.37	31.26	29.46	28.86
	-0.62	-0.60	-0.57	-0.50	-0.50	-0.51	-0.65	-0.69	-0.66	-0.64	-0.80	-0.79	-0.78	-0.81	-0.80	-0.96	-1.15	-1.44	-1.38	-1.30	-1.21	-1.13	-1.07	-0.83
	-0.38	-0.26	-0.31	-0.55	-0.55	-0.48	-0.23	-0.25	-0.27	-0.18	0.00	-0.01	-0.09	-0.02	-0.09	-0.30	-0.28	-0.30	-0.06	-0.03	0.00	0.00	-0.01	0.00
SITHE_IND_GS2 24170	26.59	25.86	24.68	20.80	20.96	21.28	26.51	27.20	25.94	25.30	26.80	27.40	27.16	28.12	28.84	29.27	34.06	41.28	39.16	34.85	33.37	31.26	29.46	28.86
	-0.62	-0.60	-0.57	-0.50	-0.50	-0.51	-0.65	-0.69	-0.66	-0.64	-0.80	-0.79	-0.78	-0.81	-0.80	-0.96	-1.15	-1.44	-1.38	-1.30	-1.21	-1.13	-1.07	-0.83
	-0.38	-0.26	-0.31	-0.55	-0.55	-0.48	-0.23	-0.25	-0.27	-0.18	0.00	-0.01	-0.09	-0.02	-0.09	-0.30	-0.28	-0.30	-0.06	-0.03	0.00	0.00	-0.01	0.00
SITHE_IND_GS3 24171	26.59	25.86	24.68	20.80	20.96	21.28	26.51	27.20	25.94	25.30	26.80	27.40	27.16	28.12	28.84	29.27	34.06	41.28	39.16	34.85	33.37	31.26	29.46	28.86
	-0.62	-0.60	-0.57	-0.50	-0.50	-0.51	-0.65	-0.69	-0.66	-0.64	-0.80	-0.79	-0.78	-0.81	-0.80	-0.96	-1.15	-1.44	-1.38	-1.30	-1.21	-1.13	-1.07	-0.83
	-0.38	-0.26	-0.31	-0.55	-0.55	-0.48	-0.23	-0.25	-0.27	-0.18	0.00	-0.01	-0.09	-0.02	-0.09	-0.30	-0.28	-0.30	-0.06	-0.03	0.00	0.00	-0.01	0.00
SITHE_IND_GS4 24172	26.59	25.86	24.68	20.80	20.96	21.28	26.51	27.20	25.94	25.30	26.80	27.40	27.16	28.12	28.84	29.27	34.06	41.28	39.16	34.85	33.37	31.26	29.46	28.86
	-0.62	-0.60	-0.57	-0.50	-0.50	-0.51	-0.65	-0.69	-0.66	-0.64	-0.80	-0.79	-0.78	-0.81	-0.80	-0.96	-1.15	-1.44	-1.38	-1.30	-1.21	-1.13	-1.07	-0.83
	-0.38	-0.26	-0.31	-0.55	-0.55	-0.48	-0.23	-0.25	-0.27	-0.18	0.00	-0.01	-0.09	-0.02	-0.09	-0.30	-0.28	-0.30	-0.06	-0.03	0.00	0.00	-0.01	0.00



SITHE___BATAVIA 24024	25.68 -1.50 -0.35	24.93 -1.52 -0.25	23.77 -1.47 -0.29	20.83 -1.10 -1.18	21.13 -0.96 -1.18	21.52 -0.83 -1.03	26.30 -1.13 -0.50	26.71 -1.41 -0.47	25.29 -1.55 -0.51	24.59 -1.52 -0.34	26.00 -1.60 0.00	26.65 -1.55 -0.03	26.43 -1.59 -0.17	27.31 -1.65 -0.05	28.18 -1.54 -0.17	29.31 -1.26 -0.64	34.10 -1.36 -0.53	41.28 -1.70 -0.56	38.93 -1.66 -0.11	34.36 -1.80 -0.05	33.48 -1.11 -0.01	31.20 -1.20 0.00	29.02 -1.53 -0.03	28.65 -1.04 0.00
SITHE___INDEPEND 23800	26.59 -0.62 -0.38	25.86 -0.60 -0.26	24.68 -0.57 -0.31	20.80 -0.50 -0.55	20.96 -0.50 -0.55	21.28 -0.51 -0.48	26.51 -0.65 -0.23	27.20 -0.69 -0.25	25.94 -0.66 -0.27	25.30 -0.64 -0.18	26.80 -0.80 0.00	27.40 -0.79 -0.01	27.16 -0.78 -0.09	28.15 -0.78 -0.02	28.84 -0.80 -0.09	29.27 -0.96 -0.30	34.06 -1.15 -0.28	41.28 -1.44 -0.30	39.16 -1.38 -0.06	34.88 -1.26 -0.03	33.34 -1.24 0.00	31.26 -1.13 0.00	29.46 -1.07 -0.01	28.86 -0.83 0.00
SITHE___MASSENA 23902	4.41 -2.25 20.16	3.05 -2.20 20.95	2.61 -2.22 20.12	2.31 -1.81 16.63	2.29 -1.86 16.77	2.28 -1.94 17.10	4.43 -2.40 20.10	11.13 -2.49 14.03	2.66 -2.42 21.25	2.55 -2.40 20.82	2.75 -2.51 22.34	3.55 -2.45 22.17	3.53 -2.40 21.92	3.56 -2.54 22.80	3.57 -2.63 23.34	13.13 -2.75 14.05	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.65 -1.94 0.00	30.32 -2.07 0.00	29.18 -1.34 0.00	28.18 -1.51 0.00
SITHE___OGDNSBRG 24021	6.85 -1.93 18.05	5.55 -1.89 18.76	5.01 -1.92 18.02	4.32 -1.56 14.87	4.31 -1.61 14.99	4.32 -1.71 15.29	6.87 -2.05 18.01	12.95 -2.13 12.56	5.11 -2.19 19.03	4.84 -2.27 18.66	5.16 -2.40 20.04	5.95 -2.34 19.89	5.91 -2.28 19.65	6.12 -2.34 20.45	6.16 -2.45 20.93	14.88 -2.48 12.57	32.42 -2.62 -0.11	39.57 -2.97 -0.11	38.40 -2.10 -0.02	34.90 -1.23 -0.01	33.41 -1.18 0.00	30.91 -1.49 0.00	29.67 -0.85 0.00	28.66 -1.04 0.00
SITHE___STERLING 23777	26.94 0.51 0.40	26.16 0.50 0.54	24.96 0.47 0.46	21.06 0.41 0.10	21.22 0.42 0.11	21.58 0.45 0.19	27.01 0.62 0.53	28.04 0.69 0.29	26.39 0.61 0.54	25.67 0.52 0.62	27.31 0.55 0.84	27.88 0.53 0.82	27.69 0.59 0.74	28.73 0.67 0.84	29.37 0.62 0.79	30.41 0.72 0.24	36.18 0.98 -0.27	43.94 1.23 -0.28	41.71 1.17 -0.06	37.30 1.16 -0.02	35.72 1.14 0.00	33.34 0.94 0.00	31.30 0.76 -0.01	30.53 0.83 0.00
SLEIGHT__34_KV_TB1 80719	26.54 -0.80 -0.51	25.72 -0.84 -0.36	24.57 -0.80 -0.42	21.19 -0.58 -1.02	21.41 -0.52 -1.02	21.78 -0.43 -0.89	26.80 -0.57 -0.44	27.48 -0.64 -0.47	26.13 -0.71 -0.51	25.46 -0.64 -0.33	26.72 -0.88 0.00	27.41 -0.79 -0.02	27.29 -0.72 -0.17	28.25 -0.69 -0.04	29.00 -0.71 -0.17	29.89 -0.60 -0.55	34.83 -0.63 -0.53	42.17 -0.81 -0.56	39.70 -0.89 -0.11	35.19 -0.98 -0.05	33.52 -1.07 -0.01	31.52 -0.87 0.00	29.60 -0.95 -0.02	28.89 -0.80 0.00
SOUTH CAIRO___GT 23612	33.88 0.86 -6.19	31.37 0.84 -4.33	30.76 0.77 -5.04	30.39 0.62 -9.01	30.58 0.65 -9.01	29.96 0.77 -7.87	31.72 0.94 -3.85	32.52 0.83 -4.05	31.66 0.90 -4.43	29.33 0.67 -2.89	28.43 0.83 0.00	29.13 0.76 -0.20	29.89 0.61 -1.43	30.17 0.90 -0.37	31.90 0.89 -1.48	35.83 1.02 -4.88	41.09 1.57 -4.59	49.45 2.21 -4.82	43.37 1.94 -0.95	38.41 1.88 -0.41	36.48 1.83 -0.06	33.99 1.59 0.00	32.25 1.53 -0.20	30.82 1.13 0.00
SOUTH HAMPTN___IC 23720	35.06 2.55 -5.68	32.30 2.12 -3.98	31.32 1.75 -4.62	30.58 1.56 -8.27	30.75 1.57 -8.27	30.35 1.81 -7.22	32.85 2.40 -3.53	33.68 2.32 -3.71	33.03 2.63 -4.07	30.82 2.40 -2.65	30.09 2.49 0.00	31.17 2.82 -0.19	31.72 2.56 -1.31	32.29 3.03 -0.35	34.01 3.10 -1.37	40.80 3.35 -7.52	45.45 3.81 -6.71	59.26 4.33 -12.50	52.74 4.09 -8.18	46.53 3.90 -6.51	43.04 3.56 -4.89	40.20 3.11 -4.69	33.77 3.05 -0.19	32.55 2.85 -0.01
SOUTHDOW_115KV_TB1 355954	24.84 -2.31 -0.32	24.12 -2.31 -0.23	23.04 -2.17 -0.26	20.45 -1.76 -1.47	20.79 -1.59 -1.47	21.17 -1.43 -1.28	25.75 -1.80 -0.63	26.46 -1.74 -0.56	25.18 -1.76 -0.61	24.37 -1.80 -0.40	26.83 -0.77 0.00	26.91 -1.30 -0.03	26.24 -1.81 -0.20	27.15 -1.82 -0.06	27.95 -1.80 -0.21	29.32 -1.41 -0.79	34.17 -1.40 -0.63	41.60 -1.48 -0.67	39.28 -1.34 -0.13	34.66 -1.52 -0.06	34.11 -0.48 -0.01	32.30 -0.10 0.00	29.36 -1.19 -0.03	29.61 -0.09 0.00
SOUTHOLD_69_KV_BK 2 55809	35.01 2.50 -5.68	32.22 2.04 -3.98	31.27 1.70 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.29 1.75 -7.22	32.80 2.34 -3.53	33.62 2.27 -3.71	33.00 2.61 -4.07	30.77 2.35 -2.65	29.89 2.29 0.00	31.09 2.73 -0.19	31.72 2.56 -1.31	32.12 2.86 -0.35	33.96 3.04 -1.37	40.62 3.17 -7.52	45.35 3.70 -6.71	59.21 4.28 -12.50	52.70 4.05 -8.18	46.38 3.76 -6.51	42.97 3.49 -4.89	40.20 3.11 -4.69	33.55 2.84 -0.19	32.26 2.55 -0.01
SOUTHOLD___IC 23719	35.01 2.50 -5.68	32.22 2.04 -3.98	31.25 1.67 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.29 1.75 -7.22	32.80 2.34 -3.53	33.62 2.27 -3.71	33.00 2.61 -4.07	30.77 2.34 -2.65	29.89 2.29 0.00	31.09 2.73 -0.19	31.61 2.45 -1.31	32.20 2.95 -0.35	33.96 3.04 -1.37	40.68 3.23 -7.52	45.35 3.70 -6.71	59.21 4.28 -12.50	52.70 4.05 -8.18	46.42 3.79 -6.51	42.86 3.39 -4.89	40.04 2.95 -4.69	33.55 2.84 -0.19	32.53 2.82 -0.01
SOUTH_FORK_WT_PWR 323839	34.74 2.23 -5.68	31.98 1.81 -3.98	31.00 1.42 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	30.08 1.54 -7.22	32.53 2.07 -3.53	33.35 1.99 -3.71	32.74 2.34 -4.07	30.51 2.09 -2.65	29.50 1.90 0.00	30.75 2.39 -0.19	31.31 2.14 -1.31	31.86 2.60 -0.35	33.60 2.69 -1.37	40.26 2.81 -7.52	44.86 3.21 -6.71	58.62 3.69 -12.50	52.14 3.48 -8.18	45.91 3.29 -6.51	42.38 2.91 -4.89	39.59 2.49 -4.69	33.13 2.41 -0.19	32.20 2.49 -0.01
SPIERFLS_115KV_TB 1 80737	34.47 1.05 -6.59	31.83 1.02 -4.61	31.21 0.90 -5.36	31.12 0.77 -9.60	31.30 0.79 -9.60	30.53 0.83 -8.38	32.10 1.08 -4.10	33.01 1.05 -4.31	32.18 1.13 -4.72	29.86 1.01 -3.08	28.68 1.08 0.00	29.23 0.85 -0.22	30.21 0.84 -1.52	30.20 0.90 -0.39	32.12 1.00 -1.57	36.24 1.11 -5.19	41.25 1.43 -4.89	49.38 1.82 -5.14	43.14 1.66 -1.01	37.97 1.41 -0.44	36.10 1.45 -0.07	33.63 1.23 0.00	32.84 2.11 -0.22	31.42 1.72 0.00
ST LAWRENCE____ 23600	3.27 -2.52 21.04	1.90 -2.46 21.83	1.54 -2.44 20.97	1.39 -2.01 17.35	1.36 -2.07 17.49	1.33 -2.15 17.83	3.26 -2.69 20.97	10.17 -2.82 14.65	1.50 -2.69 22.14	1.44 -2.63 21.70	1.54 -2.79 23.28	2.30 -2.76 23.11	2.30 -2.70 22.85	2.30 -2.83 23.77	2.31 -2.89 24.34	12.21 -3.05 14.67	31.56 -3.46 -0.08	38.40 -4.11 -0.09	37.18 -3.32 -0.02	33.67 -2.46 -0.01	32.20 -2.39 0.00	29.93 -2.46 0.00	28.82 -1.71 0.00	27.83 -1.87 0.00
STATE_CA_115KV_115_LB 55624	33.92 0.62 -6.47	31.30 0.58 -4.53	30.74 0.52 -5.26	30.61 0.44 -9.42	30.77 0.44 -9.42	30.04 0.49 -8.23	31.57 0.62 -4.03	32.43 0.55 -4.23	31.59 0.63 -4.63	29.41 0.62 -3.02	28.35 0.75 0.00	29.14 0.76 -0.21	30.07 0.72 -1.50	30.07 0.78 -0.39	31.88 0.80 -1.54	35.84 0.81 -5.10	40.71 0.98 -4.80	48.65 1.19 -5.04	42.60 1.13 -0.99	37.53 0.98 -0.43	35.61 0.97 -0.06	33.31 0.91 0.00	31.65 0.92 -0.21	30.26 0.56 0.00



STATE_ST_34_KV_LOAD 55959	27.72 -0.05 -0.94	26.78 -0.08 -0.66	25.67 -0.05 -0.76	21.85 -0.02 -1.12	22.03 0.00 -1.12	22.34 0.04 -0.98	27.48 0.08 -0.48	28.29 0.14 -0.50	26.96 0.08 -0.55	26.18 0.05 -0.36	27.63 0.03 0.00	28.23 0.03 -0.03	28.03 0.00 -0.18	29.01 0.06 -0.05	29.81 0.09 -0.18	30.66 0.12 -0.60	35.71 0.21 -0.57	43.36 0.34 -0.60	40.84 0.24 -0.12	36.31 0.14 -0.05	34.73 0.14 -0.01	32.53 0.13 0.00	30.48 -0.06 -0.03	29.78 0.09 0.00
STATION 5_MISC_HYD 23604	26.18 -1.02 -0.36	25.41 -1.05 -0.26	24.23 -1.02 -0.30	21.06 -0.73 -1.03	21.30 -0.65 -1.03	21.69 -0.53 -0.90	26.61 -0.75 -0.44	27.15 -0.97 -0.47	25.79 -1.05 -0.52	25.16 -0.95 -0.34	26.30 -1.30 0.00	27.10 -1.10 -0.02	26.99 -1.03 -0.17	27.68 -1.27 -0.04	28.71 -1.00 -0.17	29.65 -0.84 -0.56	34.53 -0.94 -0.54	41.72 -1.27 -0.56	39.29 -1.30 -0.11	34.68 -1.48 -0.05	33.41 -1.18 -0.01	31.20 -1.20 0.00	29.38 -1.16 -0.02	28.69 -1.01 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	26.57 -0.64 -0.38	25.82 -0.65 -0.27	24.62 -0.65 -0.31	21.36 -0.44 -1.05	21.58 -0.38 -1.05	21.98 -0.26 -0.91	26.99 -0.38 -0.45	27.71 -0.41 -0.48	26.30 -0.55 -0.52	25.62 -0.49 -0.34	26.94 -0.66 0.00	27.60 -0.59 -0.02	27.46 -0.56 -0.17	28.43 -0.52 -0.04	29.18 -0.53 -0.17	30.11 -0.39 -0.57	35.16 -0.31 -0.54	42.57 -0.42 -0.57	40.10 -0.49 -0.11	35.55 -0.61 -0.05	33.90 -0.69 -0.01	31.88 -0.52 0.00	29.87 -0.67 -0.02	29.22 -0.48 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	26.13 -1.07 -0.37	25.33 -1.13 -0.26	24.16 -1.10 -0.30	20.99 -0.79 -1.03	21.23 -0.71 -1.03	21.60 -0.62 -0.90	26.53 -0.83 -0.44	27.09 -1.02 -0.47	25.74 -1.11 -0.51	25.10 -1.01 -0.34	26.25 -1.35 0.00	27.01 -1.18 -0.02	26.93 -1.09 -0.17	27.85 -1.10 -0.04	28.65 -1.06 -0.17	29.56 -0.93 -0.56	34.42 -1.05 -0.53	41.63 -1.36 -0.56	39.17 -1.42 -0.11	34.69 -1.48 -0.05	32.96 -1.63 -0.01	31.10 -1.30 0.00	29.23 -1.31 -0.02	28.57 -1.13 0.00
STA_56___34_KV_BUS2 355983	26.13 -1.07 -0.37	25.33 -1.13 -0.26	24.16 -1.10 -0.30	20.99 -0.79 -1.03	21.23 -0.71 -1.03	21.60 -0.62 -0.90	26.53 -0.83 -0.44	27.09 -1.02 -0.47	25.74 -1.11 -0.51	25.10 -1.01 -0.34	26.25 -1.35 0.00	27.01 -1.18 -0.02	26.93 -1.09 -0.17	27.85 -1.10 -0.04	28.65 -1.06 -0.17	29.56 -0.93 -0.56	34.42 -1.05 -0.53	41.63 -1.36 -0.56	39.17 -1.42 -0.11	34.69 -1.48 -0.05	32.96 -1.63 -0.01	31.10 -1.30 0.00	29.23 -1.31 -0.02	28.57 -1.13 0.00
STA_67___115KV_BK2 355882	26.15 -1.05 -0.36	25.38 -1.07 -0.26	24.18 -1.07 -0.30	21.04 -0.75 -1.03	21.28 -0.67 -1.03	21.64 -0.58 -0.90	26.58 -0.78 -0.44	27.12 -1.00 -0.47	25.77 -1.08 -0.52	25.10 -1.01 -0.34	26.25 -1.35 0.00	27.04 -1.16 -0.02	26.93 -1.09 -0.17	27.85 -1.10 -0.04	28.68 -1.03 -0.17	29.59 -0.90 -0.56	34.46 -1.01 -0.54	41.63 -1.36 -0.56	39.21 -1.38 -0.11	34.69 -1.48 -0.05	32.96 -1.63 -0.01	31.13 -1.26 0.00	29.26 -1.28 -0.02	28.63 -1.07 0.00
STA_7___115KV_9TRANS 80674	26.26 -0.94 -0.36	25.49 -0.97 -0.26	24.28 -0.97 -0.30	21.12 -0.66 -1.03	21.36 -0.59 -1.03	21.75 -0.47 -0.90	26.69 -0.67 -0.44	27.26 -0.86 -0.47	25.90 -0.95 -0.52	25.23 -0.88 -0.34	26.41 -1.19 0.00	27.18 -1.01 -0.02	27.10 -0.92 -0.17	28.02 -0.93 -0.04	28.83 -0.89 -0.17	29.77 -0.72 -0.56	34.70 -0.77 -0.54	41.97 -1.02 -0.57	39.50 -1.09 -0.11	34.97 -1.19 -0.05	33.24 -1.35 -0.01	31.36 -1.04 0.00	29.48 -1.07 -0.02	28.80 -0.89 0.00
STA_82___115KV_TB1 80780	26.15 -1.05 -0.36	25.38 -1.07 -0.26	24.18 -1.07 -0.30	21.04 -0.75 -1.04	21.28 -0.67 -1.04	21.65 -0.58 -0.91	26.59 -0.78 -0.44	27.12 -1.00 -0.47	25.77 -1.08 -0.52	25.10 -1.01 -0.34	26.25 -1.35 0.00	27.04 -1.16 -0.02	26.93 -1.09 -0.17	27.85 -1.10 -0.04	28.68 -1.03 -0.17	29.60 -0.90 -0.56	34.46 -1.01 -0.54	41.67 -1.32 -0.57	39.21 -1.38 -0.11	34.72 -1.44 -0.05	33.00 -1.59 -0.01	31.13 -1.26 0.00	29.26 -1.28 -0.02	28.63 -1.07 0.00
STEEL___WIND 323596	25.00 -2.17 -0.34	24.29 -2.15 -0.24	23.16 -2.07 -0.28	20.46 -1.66 -1.37	20.73 -1.55 -1.37	21.06 -1.45 -1.19	25.62 -1.89 -0.58	26.02 -2.13 -0.51	24.78 -2.11 -0.55	24.05 -2.09 -0.36	26.00 -1.60 0.00	26.26 -1.94 -0.03	25.86 -2.17 -0.18	27.11 -1.85 -0.05	27.58 -2.16 -0.19	28.82 -1.86 -0.74	33.37 -2.13 -0.57	40.39 -2.63 -0.60	38.05 -2.55 -0.12	33.76 -2.42 -0.06	33.28 -1.31 -0.01	31.07 -1.33 0.00	28.39 -2.17 -0.03	28.63 -1.07 0.00
STEPHTWN_115KV_BK_2 55603	34.00 0.75 -6.42	31.40 0.71 -4.49	30.79 0.62 -5.22	30.61 0.52 -9.34	30.80 0.54 -9.34	30.07 0.60 -8.16	31.67 0.75 -3.99	32.56 0.72 -4.19	31.71 0.79 -4.60	29.54 0.77 -3.00	28.51 0.91 0.00	29.31 0.93 -0.21	30.20 0.86 -1.48	30.22 0.93 -0.38	32.02 0.95 -1.53	35.95 0.96 -5.06	40.88 1.19 -4.75	48.95 1.53 -5.00	42.87 1.42 -0.98	37.78 1.23 -0.43	35.86 1.21 -0.06	33.50 1.10 0.00	31.83 1.10 -0.21	30.41 0.71 0.00
STEUBEN_REC_LFGE 323667	24.04 -2.20 0.59	23.61 -2.20 0.39	22.46 -2.02 0.47	20.98 -1.64 -1.87	21.23 -1.55 -1.87	21.52 -1.43 -1.63	26.05 -1.67 -0.80	26.81 -1.63 -0.80	25.52 -1.69 -0.87	24.67 -1.68 -0.57	26.41 -1.19 0.00	26.66 -1.55 -0.04	26.29 -1.84 -0.28	27.22 -1.76 -0.08	28.21 -1.62 -0.29	29.78 -1.17 -1.01	34.75 -1.08 -0.90	42.40 -0.98 -0.95	39.74 -0.93 -0.19	35.19 -1.01 -0.08	34.21 -0.38 -0.01	32.30 -0.10 0.00	29.77 -0.79 -0.04	29.61 -0.09 0.00
STILLWATER___SOLAR 323814	34.61 1.21 -6.57	31.97 1.18 -4.59	31.37 1.07 -5.34	31.22 0.91 -9.56	31.39 0.92 -9.56	30.63 0.96 -8.35	32.25 1.24 -4.09	33.15 1.22 -4.29	32.27 1.24 -4.70	29.97 1.13 -3.07	28.84 1.24 0.00	29.57 1.18 -0.21	30.54 1.17 -1.52	30.57 1.27 -0.39	32.47 1.36 -1.57	36.57 1.47 -5.17	41.58 1.78 -4.87	49.79 2.25 -5.12	43.58 2.10 -1.00	38.36 1.81 -0.44	36.38 1.73 -0.07	34.02 1.62 0.00	32.47 1.74 -0.21	31.15 1.45 0.00
STONY___BROOK 24151	34.98 2.47 -5.68	32.24 2.07 -3.98	31.29 1.72 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.31 1.77 -7.22	32.80 2.34 -3.53	33.65 2.29 -3.71	32.92 2.53 -4.07	30.74 2.32 -2.65	30.17 2.57 0.00	31.17 2.82 -0.19	31.75 2.59 -1.31	32.29 3.03 -0.35	33.96 3.04 -1.37	40.81 3.35 -7.53	45.39 3.74 -6.72	59.33 4.37 -12.53	52.81 4.13 -8.20	46.48 3.83 -6.53	43.02 3.53 -4.91	40.38 3.27 -4.71	33.83 3.11 -0.19	32.47 2.76 -0.01
STURGEON_POOL_HYD 23609	33.89 1.34 -5.72	31.43 1.23 -4.00	30.75 1.15 -4.66	30.04 0.95 -8.33	30.23 0.98 -8.33	29.64 1.04 -7.28	31.83 1.35 -3.56	32.88 1.49 -3.74	31.90 1.47 -4.10	29.89 1.44 -2.67	29.42 1.82 0.00	30.19 1.83 -0.19	30.93 1.75 -1.32	31.13 1.88 -0.34	32.71 1.80 -1.36	36.51 2.07 -4.51	41.51 2.34 -4.24	49.68 2.80 -4.46	43.98 2.63 -0.87	38.99 2.49 -0.38	36.99 2.35 -0.06	34.60 2.20 0.00	32.66 1.95 -0.19	31.36 1.66 0.00
ST_LAW_115_BK7_LBMP 345037	3.40 -2.55 20.88	2.02 -2.49 21.69	1.65 -2.47 20.83	1.49 -2.03 17.23	1.45 -2.09 17.37	1.43 -2.17 17.71	3.40 -2.72 20.81	10.27 -2.85 14.53	1.62 -2.71 21.99	1.56 -2.65 21.56	1.66 -2.82 23.12	2.43 -2.79 22.95	2.46 -2.70 22.69	2.45 -2.86 23.60	2.46 -2.93 24.16	12.31 -3.08 14.54	31.53 -3.49 -0.09	38.36 -4.16 -0.09	37.14 -3.36 -0.02	33.63 -2.49 -0.01	32.20 -2.39 0.00	29.93 -2.46 0.00	28.82 -1.71 0.00	27.83 -1.87 0.00



ST_LAW_115_BK8_LBMP 345038	3.40 -2.55 20.88	2.02 -2.49 21.69	1.65 -2.47 20.83	1.49 -2.03 17.23	1.45 -2.09 17.37	1.43 -2.17 17.71	3.40 -2.72 20.81	10.27 -2.85 14.53	1.62 -2.71 21.99	1.56 -2.65 21.56	1.66 -2.82 23.12	2.43 -2.79 22.95	2.46 -2.70 22.69	2.45 -2.86 23.60	2.46 -2.93 24.16	12.31 -3.08 14.54	31.53 -3.49 -0.09	38.36 -4.16 -0.09	37.14 -3.36 -0.02	33.63 -2.49 -0.01	32.20 -2.39 0.00	29.93 -2.46 0.00	28.82 -1.71 0.00	27.83 -1.87 0.00
ST_LAW_230_BK5_LBMP 345035	3.00 -2.52 21.31	1.61 -2.46 22.13	1.25 -2.44 21.25	1.15 -2.01 17.59	1.11 -2.07 17.73	1.09 -2.15 18.08	3.00 -2.69 21.23	10.00 -2.82 14.82	1.20 -2.69 22.44	1.15 -2.63 21.99	1.23 -2.79 23.59	2.00 -2.76 23.41	2.00 -2.70 23.15	2.00 -2.83 24.07	2.00 -2.89 24.65	12.04 -3.05 14.84	31.56 -3.46 -0.08	38.40 -4.11 -0.09	37.18 -3.32 -0.02	33.67 -2.46 -0.01	32.20 -2.39 0.00	29.93 -2.46 0.00	28.82 -1.71 0.00	27.83 -1.87 0.00
ST_LAW_230_BK6_LBMP 345036	3.00 -2.52 21.31	1.61 -2.46 22.13	1.25 -2.44 21.25	1.15 -2.01 17.59	1.11 -2.07 17.73	1.09 -2.15 18.08	3.00 -2.69 21.23	10.00 -2.82 14.82	1.20 -2.69 22.44	1.15 -2.63 21.99	1.23 -2.79 23.59	2.00 -2.76 23.41	2.00 -2.70 23.15	2.00 -2.83 24.07	2.00 -2.89 24.65	12.04 -3.05 14.84	31.56 -3.46 -0.08	38.40 -4.11 -0.09	37.18 -3.32 -0.02	33.67 -2.46 -0.01	32.20 -2.39 0.00	29.93 -2.46 0.00	28.82 -1.71 0.00	27.83 -1.87 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	33.75 1.45 -5.47	31.39 1.36 -3.83	30.65 1.25 -4.45	29.77 1.06 -7.96	29.96 1.09 -7.96	29.42 1.15 -6.95	31.83 1.51 -3.40	32.85 1.63 -3.57	31.85 1.61 -3.91	29.87 1.55 -2.55	29.39 1.79 0.00	30.15 1.80 -0.18	30.92 1.81 -1.26	31.05 1.82 -0.33	32.74 1.89 -1.30	36.37 2.13 -4.31	41.39 2.41 -4.05	49.61 2.93 -4.26	44.07 2.75 -0.83	38.90 2.42 -0.37	36.95 2.32 -0.05	34.54 2.14 0.00	32.62 1.92 -0.18	31.30 1.60 0.00
SWANROAD_115KV_TB1 355699	24.68 -2.50 -0.35	23.96 -2.49 -0.25	22.82 -2.42 -0.29	20.13 -1.89 -1.27	20.40 -1.78 -1.27	20.74 -1.68 -1.11	25.26 -2.21 -0.54	25.37 -2.74 -0.46	24.18 -2.66 -0.51	23.53 -2.58 -0.33	24.95 -2.65 0.00	25.61 -2.59 -0.03	25.31 -2.70 -0.17	26.15 -2.80 -0.05	27.00 -2.72 -0.17	28.16 -2.45 -0.69	32.42 -3.04 -0.53	39.11 -3.86 -0.55	36.87 -3.72 -0.11	32.56 -3.61 -0.05	31.13 -3.46 -0.01	29.71 -2.69 0.00	27.62 -2.93 -0.03	27.47 -2.23 0.00
SYNERGY___BIOGAS 323694	25.68 -1.50 -0.35	24.93 -1.52 -0.25	23.77 -1.47 -0.29	20.83 -1.10 -1.18	21.13 -0.96 -1.18	21.52 -0.83 -1.03	26.30 -1.13 -0.50	26.71 -1.41 -0.47	25.29 -1.55 -0.51	24.59 -1.52 -0.34	26.00 -1.60 0.00	26.65 -1.55 -0.03	26.43 -1.59 -0.17	27.31 -1.65 -0.05	28.18 -1.54 -0.17	29.31 -1.26 -0.64	34.10 -1.36 -0.53	41.28 -1.70 -0.56	38.93 -1.66 -0.11	34.36 -1.80 -0.05	33.48 -1.11 -0.01	31.20 -1.20 0.00	29.02 -1.53 -0.03	28.65 -1.04 0.00
SYRACUSE___ENERGY_ST1 323597	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 -0.02	29.61 -0.09 0.00
SYRACUSE___ENERGY_ST2 323598	27.03 -0.05 -0.26	26.18 -0.08 -0.06	25.07 -0.02 -0.14	21.31 -0.04 -0.60	21.47 -0.04 -0.60	21.80 0.00 -0.48	26.92 -0.03 -0.02	27.83 0.03 -0.15	26.39 0.00 -0.06	25.69 0.00 0.08	27.17 -0.03 0.40	27.74 -0.06 0.38	27.54 -0.06 0.25	28.51 -0.03 0.37	29.24 -0.03 0.27	30.11 -0.06 -0.24	35.32 -0.07 -0.46	42.82 -0.08 -0.48	40.41 -0.16 -0.09	35.98 -0.18 -0.04	34.42 -0.17 -0.01	32.24 -0.16 0.00	30.30 -0.24 -0.02	29.61 -0.09 0.00
SYRACUSE___POWER 24017	27.12 -0.11 -0.40	26.22 -0.13 -0.15	25.11 -0.10 -0.26	21.30 -0.08 -0.63	21.46 -0.08 -0.63	21.76 -0.06 -0.51	26.88 -0.08 -0.03	27.75 -0.06 -0.16	26.32 -0.08 -0.07	25.61 -0.08 0.08	27.08 -0.11 0.41	27.68 -0.11 0.38	27.49 -0.11 0.25	28.41 -0.12 0.38	29.18 -0.09 0.27	30.06 -0.12 -0.25	35.27 -0.14 -0.48	42.80 -0.13 -0.50	40.37 -0.20 -0.10	35.91 -0.25 -0.04	34.35 -0.24 -0.01	32.20 -0.19 0.00	30.24 -0.31 -0.02	29.55 -0.15 0.00
TALLMAN___138KV_BK151 55660	33.98 1.58 -5.56	31.56 1.47 -3.89	30.80 1.32 -4.53	29.99 1.14 -8.10	30.16 1.15 -8.10	29.61 1.22 -7.07	32.00 1.62 -3.46	33.05 1.77 -3.63	32.05 1.74 -3.98	30.07 1.70 -2.60	29.53 1.93 0.00	30.33 1.97 -0.18	31.11 1.98 -1.29	31.20 1.97 -0.33	32.91 2.04 -1.32	36.62 2.30 -4.38	41.64 2.59 -4.12	49.89 3.14 -4.33	44.24 2.91 -0.85	39.09 2.60 -0.37	37.09 2.46 -0.06	34.67 2.27 0.00	32.78 2.08 -0.18	31.42 1.72 0.00
TEALLAVE_115KV_TB7 355573	26.77 -0.19 -0.12	25.93 -0.21 0.06	24.80 -0.17 -0.02	21.05 -0.15 -0.44	21.20 -0.15 -0.44	21.52 -0.13 -0.33	26.68 -0.16 0.08	27.57 -0.14 -0.06	26.12 -0.16 0.05	25.44 -0.15 0.18	26.92 -0.22 0.46	27.51 -0.23 0.44	27.30 -0.22 0.33	28.27 -0.20 0.44	28.98 -0.21 0.35	29.83 -0.24 -0.13	35.05 -0.28 -0.40	42.46 -0.38 -0.42	40.16 -0.40 -0.08	35.72 -0.43 -0.04	34.14 -0.45 -0.01	32.01 -0.39 0.00	30.11 -0.43 -0.02	29.43 -0.27 0.00
TELGRAPH_34_KV_EAST 80808	25.28 -1.90 -0.35	24.54 -1.91 -0.25	23.37 -1.87 -0.29	20.55 -1.41 -1.21	20.83 -1.30 -1.21	21.20 -1.17 -1.06	25.88 -1.56 -0.52	26.18 -1.94 -0.47	24.87 -1.97 -0.51	24.20 -1.91 -0.34	25.64 -1.96 0.00	26.28 -1.92 -0.03	26.01 -2.01 -0.17	26.93 -2.02 -0.05	27.77 -1.95 -0.17	28.91 -1.68 -0.66	33.47 -1.99 -0.53	40.43 -2.55 -0.56	38.12 -2.47 -0.11	33.68 -2.49 -0.05	32.24 -2.35 -0.01	30.65 -1.75 0.00	28.50 -2.04 -0.03	28.24 -1.46 0.00
TEMPLE___115KV_TB 2 55572	26.81 -0.16 -0.14	25.98 -0.18 0.04	24.84 -0.15 -0.04	21.07 -0.15 -0.46	21.22 -0.15 -0.46	21.56 -0.11 -0.35	26.70 -0.16 0.07	27.58 -0.14 -0.07	26.13 -0.16 0.04	25.48 -0.13 0.16	26.96 -0.19 0.45	27.55 -0.20 0.43	27.34 -0.19 0.32	28.31 -0.17 0.43	29.03 -0.18 0.34	29.87 -0.21 -0.15	35.06 -0.28 -0.41	42.51 -0.34 -0.43	40.16 -0.40 -0.08	35.76 -0.40 -0.04	34.17 -0.41 -0.01	32.04 -0.36 0.00	30.11 -0.43 -0.02	29.46 -0.24 0.00
TIANA____69_KV_BK 1 55817	35.06 2.55 -5.68	32.32 2.15 -3.98	31.37 1.80 -4.62	30.60 1.58 -8.27	30.77 1.59 -8.27	30.38 1.83 -7.22	32.88 2.42 -3.53	33.71 2.35 -3.71	33.03 2.63 -4.07	30.82 2.40 -2.65	30.14 2.54 0.00	31.23 2.87 -0.19	31.86 2.70 -1.31	32.23 2.98 -0.35	34.04 3.13 -1.37	40.83 3.38 -7.52	45.49 3.84 -6.71	59.30 4.37 -12.50	52.82 4.17 -8.18	46.53 3.90 -6.51	43.17 3.70 -4.89	40.40 3.30 -4.69	33.80 3.08 -0.19	32.32 2.61 -0.01
TILDEN___115KV_TB1 80814	27.12 -0.11 -0.40	26.22 -0.13 -0.15	25.11 -0.10 -0.26	21.30 -0.08 -0.63	21.46 -0.08 -0.63	21.76 -0.06 -0.51	26.88 -0.08 -0.03	27.75 -0.06 -0.16	26.32 -0.08 -0.07	25.61 -0.08 0.08	27.08 -0.11 0.41	27.68 -0.11 0.38	27.49 -0.11 0.25	28.41 -0.12 0.38	29.18 -0.09 0.27	30.06 -0.12 -0.25	35.27 -0.14 -0.48	42.80 -0.13 -0.50	40.37 -0.20 -0.10	35.91 -0.25 -0.04	34.35 -0.24 -0.01	32.20 -0.19 0.00	30.24 -0.31 -0.02	29.55 -0.15 0.00



TRIGEN___CC 323695	34.55 2.04 -5.68	31.93 1.76 -3.98	31.10 1.52 -4.62	30.31 1.29 -8.27	30.50 1.32 -8.27	29.99 1.45 -7.22	32.42 1.97 -3.53	33.35 1.99 -3.71	32.53 2.13 -4.07	30.41 1.98 -2.65	29.84 2.24 0.00	30.78 2.42 -0.19	31.53 2.37 -1.31	31.81 2.54 -0.36	33.40 2.48 -1.37	42.15 2.72 -9.49	46.22 2.93 -8.36	63.69 3.48 -17.79	56.72 3.28 -12.96	49.64 3.00 -10.52	45.49 2.87 -8.04	42.89 2.72 -7.77	33.29 2.56 -0.20	31.94 2.23 -0.02
TRINITY___115KV___4 BK 55933	33.79 0.54 -6.43	31.19 0.50 -4.50	30.65 0.47 -5.23	30.50 0.39 -9.36	30.66 0.40 -9.36	29.94 0.45 -8.17	31.46 0.54 -4.00	32.34 0.50 -4.20	31.48 0.55 -4.60	29.34 0.57 -3.00	28.29 0.69 0.00	29.09 0.70 -0.21	29.98 0.64 -1.49	29.98 0.69 -0.38	31.78 0.71 -1.53	35.71 0.72 -5.06	40.53 0.84 -4.76	48.45 1.02 -5.01	42.43 0.97 -0.98	37.42 0.87 -0.43	35.51 0.86 -0.06	33.21 0.81 0.00	31.55 0.82 -0.21	30.17 0.48 0.00
UNION___PROCESSING_DRP 323587	26.15 -1.05 -0.36	25.38 -1.07 -0.26	24.18 -1.07 -0.30	21.04 -0.75 -1.04	21.28 -0.67 -1.04	21.67 -0.55 -0.91	26.59 -0.78 -0.44	27.12 -1.00 -0.47	25.77 -1.08 -0.52	25.13 -0.98 -0.34	26.28 -1.32 0.00	27.04 -1.16 -0.02	26.96 -1.06 -0.17	27.88 -1.07 -0.04	28.68 -1.03 -0.17	29.63 -0.87 -0.56	34.49 -0.98 -0.54	41.67 -1.32 -0.56	39.21 -1.38 -0.11	34.72 -1.44 -0.05	33.00 -1.59 -0.01	31.13 -1.26 0.00	29.29 -1.25 -0.02	28.63 -1.07 0.00
UPPER HUDSON___HYD 24058	34.47 1.05 -6.59	31.83 1.02 -4.61	31.21 0.90 -5.36	31.12 0.77 -9.60	31.30 0.79 -9.60	30.53 0.83 -8.38	32.10 1.08 -4.10	33.01 1.05 -4.31	32.18 1.13 -4.72	29.86 1.00 -3.08	28.68 1.08 0.00	29.23 0.84 -0.22	30.21 0.83 -1.52	30.20 0.90 -0.39	32.12 1.01 -1.57	36.24 1.11 -5.19	41.25 1.43 -4.89	49.38 1.82 -5.14	43.15 1.66 -1.01	37.97 1.41 -0.44	36.03 1.38 -0.07	33.63 1.23 0.00	32.81 2.08 -0.22	31.42 1.72 0.00
UPPER RAQUET___HYD 24056	7.95 -2.17 16.71	6.70 -2.12 17.38	6.12 -2.15 16.68	5.26 -1.74 13.75	5.25 -1.80 13.86	5.29 -1.88 14.15	7.96 -2.29 16.68	13.67 -2.35 11.63	6.36 -2.34 17.62	6.14 -2.34 17.29	6.54 -2.48 18.57	7.31 -2.42 18.43	7.30 -2.34 18.21	7.50 -2.46 18.95	7.61 -2.54 19.39	15.66 -2.63 11.63	32.19 -2.86 -0.12	39.15 -3.40 -0.12	37.91 -2.59 -0.02	34.43 -1.70 -0.01	32.96 -1.62 0.00	30.55 -1.85 0.00	29.34 -1.19 -0.01	28.33 -1.37 0.00
VALLEY44_115KV_TB2 355964	24.56 -2.60 -0.34	23.95 -2.49 -0.24	22.91 -2.32 -0.28	20.21 -2.05 -1.51	20.48 -1.94 -1.51	20.74 -1.90 -1.32	25.23 -2.34 -0.65	26.07 -2.16 -0.58	24.70 -2.26 -0.64	23.90 -2.29 -0.42	26.88 -0.72 0.00	26.46 -1.75 -0.03	25.52 -2.53 -0.21	26.31 -2.66 -0.06	26.98 -2.78 -0.22	28.39 -2.36 -0.82	32.90 -2.69 -0.66	40.15 -2.97 -0.70	37.79 -2.83 -0.14	33.47 -2.71 -0.06	33.55 -1.04 -0.01	31.75 -0.65 0.00	28.36 -2.20 -0.03	29.13 -0.56 0.00
VALLEY___115KV_TB 1-4 80826	26.75 -0.16 -0.08	26.07 -0.18 -0.06	24.82 -0.20 -0.07	20.73 -0.15 -0.12	20.89 -0.15 -0.12	21.28 -0.15 -0.11	26.81 -0.16 -0.05	27.53 -0.17 -0.05	26.26 -0.13 -0.06	25.66 -0.15 -0.04	27.46 -0.14 0.00	28.03 -0.14 0.00	27.76 -0.11 -0.02	28.82 -0.09 -0.01	29.44 -0.12 -0.02	29.91 -0.09 -0.07	35.00 0.00 -0.06	42.53 0.04 -0.07	40.61 0.12 -0.01	36.34 0.22 -0.01	34.82 0.24 0.00	32.62 0.23 0.00	30.86 0.34 0.00	30.05 0.36 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	30.89 1.34 -2.72	29.46 1.36 -1.90	28.46 1.30 -2.21	25.69 1.12 -3.82	25.86 1.13 -3.82	25.76 1.11 -3.34	30.04 1.48 -1.63	30.96 1.60 -1.71	29.80 1.61 -1.87	28.51 1.52 -1.22	29.39 1.79 0.00	30.00 1.75 -0.09	30.15 1.70 -0.60	30.83 1.76 -0.16	31.82 1.65 -0.62	33.86 1.86 -2.07	39.14 2.27 -1.94	47.21 2.76 -2.03	43.51 2.63 -0.40	38.68 2.38 -0.18	36.89 2.28 -0.03	34.44 2.04 0.00	32.38 1.77 -0.09	31.39 1.69 0.00
VISCHER___FERRY HYD 24020	34.37 1.05 -6.49	31.76 1.02 -4.54	31.18 0.95 -5.28	30.99 0.79 -9.45	31.15 0.79 -9.45	30.42 0.85 -8.25	32.04 1.08 -4.04	32.97 1.08 -4.24	32.03 1.05 -4.65	29.84 1.03 -3.03	28.71 1.11 0.00	29.51 1.13 -0.21	30.43 1.08 -1.50	30.48 1.19 -0.39	32.30 1.21 -1.55	36.33 1.29 -5.11	41.28 1.54 -4.81	49.34 1.86 -5.06	43.29 1.82 -0.99	38.14 1.59 -0.43	36.13 1.49 -0.06	33.86 1.46 0.00	32.11 1.37 -0.21	30.82 1.13 0.00
V_A_10_SYNC_DSASP 323832	25.50 -1.69 -0.36	24.75 -1.70 -0.26	23.58 -1.67 -0.30	20.66 -1.22 -1.14	20.92 -1.13 -1.14	21.27 -1.04 -0.99	26.04 -1.37 -0.49	26.41 -1.80 -0.57	25.19 -1.76 -0.62	24.50 -1.67 -0.40	25.50 -2.10 0.00	26.34 -1.86 -0.03	26.24 -1.81 -0.20	26.85 -2.11 -0.05	27.98 -1.77 -0.20	28.99 -1.56 -0.62	33.65 -1.92 -0.64	40.55 -2.54 -0.67	38.02 -2.59 -0.13	33.46 -2.71 -0.06	32.34 -2.25 -0.01	30.23 -2.17 0.00	28.50 -2.04 -0.03	27.88 -1.81 0.00
V_CMM_10_SYNC_DSASP 323787	3.54 -2.41 20.88	2.16 -2.36 21.69	1.78 -2.35 20.83	1.59 -1.93 17.23	1.56 -1.99 17.37	1.54 -2.07 17.71	3.53 -2.58 20.81	10.44 -2.68 14.53	1.76 -2.58 21.99	1.69 -2.52 21.56	1.80 -2.68 23.12	2.60 -2.62 22.95	2.60 -2.56 22.69	2.59 -2.72 23.60	2.61 -2.78 24.16	12.46 -2.93 14.54	31.70 -3.32 -0.09	38.57 -3.94 -0.09	37.34 -3.16 -0.02	33.81 -2.31 -0.01	32.37 -2.21 0.00	30.10 -2.30 0.00	28.97 -1.56 0.00	27.97 -1.72 0.00
V_CMP_10_SYNC_DSASP 323788	3.21 -2.68 20.94	1.75 -2.70 21.75	1.34 -2.72 20.89	1.21 -2.26 17.28	1.17 -2.32 17.42	1.12 -2.43 17.76	3.04 -3.01 20.87	9.95 -3.12 14.57	1.24 -3.03 22.06	1.19 -2.96 21.62	1.26 -3.15 23.19	2.06 -3.10 23.02	2.09 -3.01 22.75	2.09 -3.15 23.67	2.09 -3.22 24.23	12.02 -3.32 14.59	31.35 -3.67 -0.09	38.14 -4.37 -0.09	37.01 -3.48 -0.02	33.63 -2.49 -0.01	32.23 -2.35 0.00	29.97 -2.43 0.00	28.88 -1.65 0.00	27.97 -1.72 0.00
V_D_10_SYNC_DSASP 323841	4.36 -2.25 20.21	3.00 -2.20 21.00	2.56 -2.22 20.17	2.27 -1.81 16.68	2.24 -1.86 16.81	2.24 -1.94 17.14	4.38 -2.40 20.15	11.09 -2.49 14.07	2.61 -2.42 21.30	2.50 -2.40 20.88	2.69 -2.51 22.40	3.49 -2.45 22.23	3.48 -2.40 21.97	3.50 -2.54 22.86	3.51 -2.63 23.40	13.10 -2.75 14.08	31.95 -3.07 -0.09	38.83 -3.69 -0.10	37.62 -2.87 -0.02	34.10 -2.02 -0.01	32.65 -1.94 0.00	30.32 -2.07 0.00	29.18 -1.34 0.00	28.18 -1.51 0.00
V_E_10_SYNC_DSASP 323830	31.35 1.58 -2.94	29.82 1.57 -2.05	28.86 1.52 -2.38	25.17 1.35 -3.07	25.36 1.38 -3.07	25.43 1.43 -2.68	30.23 1.99 -1.31	31.22 2.21 -1.36	29.90 2.08 -1.50	28.55 1.80 -0.98	29.70 2.10 0.00	30.24 2.00 -0.07	30.34 2.01 -0.48	31.37 2.34 -0.13	32.05 2.01 -0.50	34.05 2.46 -1.66	39.76 3.28 -1.55	48.25 4.20 -1.63	44.85 4.05 -0.32	40.05 3.79 -0.14	38.34 3.74 -0.02	35.61 3.21 0.00	33.21 2.63 -0.07	32.46 2.76 0.00
V_F_30_NSYNC___DSASP 323816	34.64 1.23 -6.58	32.01 1.21 -4.60	31.40 1.10 -5.35	31.24 0.91 -9.58	31.43 0.94 -9.58	30.66 0.98 -8.36	32.28 1.27 -4.09	33.19 1.25 -4.30	32.30 1.26 -4.71	30.01 1.16 -3.07	28.84 1.24 0.00	29.60 1.21 -0.21	30.57 1.20 -1.52	30.60 1.30 -0.39	32.50 1.39 -1.57	36.61 1.50 -5.18	41.62 1.82 -4.88	49.84 2.29 -5.13	43.63 2.14 -1.00	38.40 1.84 -0.44	36.44 1.80 -0.07	34.05 1.65 0.00	32.50 1.77 -0.21	31.18 1.48 0.00



V_F_30_SYNC_DSASP 323786	33.89 0.59 -6.47	31.27 0.55 -4.52	30.74 0.52 -5.26	30.60 0.44 -9.41	30.77 0.44 -9.41	30.03 0.49 -8.22	31.57 0.62 -4.02	32.43 0.55 -4.23	31.59 0.63 -4.63	29.41 0.62 -3.02	28.35 0.75 0.00	29.14 0.76 -0.21	30.07 0.72 -1.50	30.07 0.78 -0.39	31.88 0.80 -1.54	35.84 0.81 -5.10	40.70 0.98 -4.79	48.65 1.19 -5.04	42.60 1.13 -0.99	37.53 0.98 -0.43	35.61 0.97 -0.06	33.31 0.91 0.00	31.65 0.92 -0.21	30.26 0.56 0.00
V_XM_10_SYNC_DSASP 323789	3.21 -2.68 20.94	1.75 -2.70 21.75	1.34 -2.72 20.89	1.21 -2.26 17.28	1.17 -2.32 17.42	1.12 -2.43 17.76	3.04 -3.01 20.87	9.95 -3.12 14.57	1.24 -3.03 22.06	1.19 -2.96 21.62	1.26 -3.15 23.19	2.06 -3.10 23.02	2.09 -3.01 22.75	2.09 -3.15 23.67	2.09 -3.22 24.23	12.02 -3.32 14.59	31.35 -3.67 -0.09	38.14 -4.37 -0.09	37.01 -3.48 -0.02	33.63 -2.49 -0.01	32.23 -2.35 0.00	29.97 -2.43 0.00	28.88 -1.65 0.00	27.97 -1.72 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	34.05 1.64 -5.58	31.62 1.52 -3.90	30.86 1.37 -4.54	30.06 1.18 -8.12	30.23 1.19 -8.12	29.69 1.28 -7.09	32.07 1.67 -3.47	33.11 1.82 -3.64	32.11 1.79 -3.99	30.13 1.75 -2.61	29.61 2.01 0.00	30.38 2.03 -0.18	31.17 2.03 -1.29	31.29 2.05 -0.33	32.97 2.10 -1.33	36.72 2.39 -4.40	41.75 2.69 -4.13	50.03 3.27 -4.34	44.41 3.08 -0.85	39.20 2.71 -0.37	37.20 2.56 -0.06	34.76 2.37 0.00	32.84 2.14 -0.18	31.48 1.78 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	34.31 1.80 -5.68	31.88 1.70 -3.97	31.09 1.52 -4.62	30.31 1.29 -8.27	30.48 1.30 -8.27	29.93 1.39 -7.22	32.29 1.83 -3.53	33.35 1.99 -3.71	32.37 1.97 -4.07	30.36 1.93 -2.65	29.84 2.24 0.00	30.67 2.31 -0.19	31.47 2.31 -1.31	31.62 2.37 -0.34	33.26 2.36 -1.35	37.01 2.60 -4.48	42.04 2.90 -4.21	50.32 3.48 -4.42	44.66 3.32 -0.87	39.46 2.96 -0.38	37.44 2.80 -0.06	35.02 2.62 0.00	33.12 2.41 -0.19	31.74 2.05 0.00
W50THST__13_KV_LOAD 356117	34.42 1.90 -5.68	31.96 1.78 -3.97	31.17 1.60 -4.62	30.37 1.35 -8.27	30.54 1.36 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.43 2.07 -3.71	32.47 2.08 -4.07	30.46 2.04 -2.65	29.92 2.32 0.00	30.78 2.42 -0.19	31.58 2.42 -1.31	31.70 2.46 -0.34	33.38 2.48 -1.35	37.13 2.72 -4.48	42.18 3.04 -4.21	50.49 3.65 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.24 2.53 -0.19	31.83 2.14 0.00
WADING RIVER_IC_1 23522	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.75 1.57 -8.27	30.33 1.79 -7.22	32.83 2.37 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.17 2.82 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.99 3.07 -1.37	40.80 3.35 -7.52	45.42 3.77 -6.71	59.13 4.20 -12.50	52.62 3.97 -8.18	46.49 3.87 -6.51	43.03 3.56 -4.89	40.14 3.04 -4.69	33.77 3.05 -0.19	32.53 2.82 -0.01
WADING RIVER_IC_2 23547	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.75 1.57 -8.27	30.33 1.79 -7.22	32.83 2.37 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.17 2.82 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.99 3.07 -1.37	40.80 3.35 -7.52	45.42 3.77 -6.71	59.13 4.20 -12.50	52.62 3.97 -8.18	46.49 3.87 -6.51	43.03 3.56 -4.89	40.14 3.04 -4.69	33.77 3.05 -0.19	32.53 2.82 -0.01
WADING RIVER_IC_3 23601	35.01 2.50 -5.68	32.27 2.10 -3.98	31.29 1.72 -4.62	30.56 1.54 -8.27	30.75 1.57 -8.27	30.33 1.79 -7.22	32.83 2.37 -3.53	33.65 2.29 -3.71	32.95 2.55 -4.07	30.77 2.34 -2.65	30.11 2.51 0.00	31.17 2.82 -0.19	31.70 2.53 -1.31	32.26 3.01 -0.35	33.99 3.07 -1.37	40.80 3.35 -7.52	45.42 3.77 -6.71	59.13 4.20 -12.50	52.62 3.97 -8.18	46.49 3.87 -6.51	43.03 3.56 -4.89	40.14 3.04 -4.69	33.77 3.05 -0.19	32.53 2.82 -0.01
WALDENNY_12_KV_BK2 80841	25.05 -2.12 -0.34	24.32 -2.12 -0.24	23.19 -2.05 -0.28	20.49 -1.62 -1.35	20.76 -1.51 -1.35	21.09 -1.41 -1.18	25.67 -1.83 -0.58	26.04 -2.10 -0.50	24.80 -2.08 -0.55	24.09 -2.04 -0.36	25.97 -1.63 0.00	26.37 -1.83 -0.03	25.91 -2.12 -0.18	26.79 -2.17 -0.06	27.63 -2.10 -0.19	28.84 -1.83 -0.73	33.40 -2.10 -0.57	40.43 -2.59 -0.60	38.09 -2.51 -0.12	33.65 -2.53 -0.06	32.62 -1.97 -0.01	31.04 -1.36 0.00	28.54 -2.01 -0.03	28.57 -1.13 0.00
WALDEN__HYDRO 24148	34.00 1.58 -5.59	31.58 1.47 -3.91	30.85 1.35 -4.55	30.03 1.14 -8.14	30.22 1.17 -8.14	29.66 1.24 -7.11	32.02 1.62 -3.48	33.04 1.74 -3.65	32.04 1.71 -4.00	30.03 1.65 -2.61	29.48 1.88 0.00	30.27 1.92 -0.18	31.06 1.92 -1.29	31.21 1.97 -0.33	32.91 2.04 -1.33	36.61 2.27 -4.40	41.69 2.62 -4.14	50.00 3.22 -4.35	44.33 3.00 -0.85	39.13 2.64 -0.37	37.16 2.52 -0.06	34.73 2.33 0.00	32.78 2.08 -0.18	31.45 1.75 0.00
WARRENSBURG____ 23737	34.47 1.05 -6.59	31.83 1.02 -4.61	31.21 0.90 -5.36	31.12 0.77 -9.60	31.30 0.79 -9.60	30.53 0.83 -8.38	32.10 1.08 -4.10	33.01 1.05 -4.31	32.18 1.13 -4.72	29.86 1.00 -3.08	28.68 1.08 0.00	29.23 0.84 -0.22	30.21 0.83 -1.52	30.20 0.90 -0.39	32.12 1.01 -1.57	36.24 1.11 -5.19	41.25 1.43 -4.89	49.38 1.82 -5.14	43.15 1.66 -1.01	37.97 1.41 -0.44	36.03 1.38 -0.07	33.63 1.23 0.00	32.81 2.08 -0.22	31.42 1.72 0.00
WATERSIDE____6 8 9 23538	34.48 1.96 -5.69	32.01 1.83 -3.97	31.24 1.67 -4.62	30.41 1.39 -8.27	30.58 1.40 -8.27	29.99 1.45 -7.22	32.37 1.91 -3.53	33.37 2.02 -3.71	32.42 2.03 -4.07	30.41 1.98 -2.65	29.89 2.29 0.00	30.81 2.45 -0.19	31.58 2.42 -1.31	31.73 2.49 -0.34	33.35 2.45 -1.35	37.13 2.72 -4.48	42.14 3.00 -4.21	50.45 3.61 -4.42	44.83 3.48 -0.87	39.60 3.11 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.27 2.56 -0.19	31.93 2.23 -0.01
WATKINRD_115KV_LN8_ILLION 55919	26.94 0.03 -0.08	26.28 0.03 -0.06	25.02 0.00 -0.07	20.89 0.02 -0.12	21.03 0.00 -0.12	21.42 0.00 -0.11	27.00 0.03 -0.05	27.73 0.03 -0.05	26.44 0.05 -0.06	25.84 0.03 -0.04	27.66 0.06 0.00	28.23 0.06 0.00	27.92 0.06 -0.02	29.00 0.09 -0.01	29.62 0.06 -0.02	30.09 0.09 -0.07	35.14 0.14 -0.06	42.70 0.21 -0.07	40.73 0.24 -0.01	36.41 0.29 -0.01	34.89 0.31 0.00	32.66 0.26 0.00	30.83 0.31 0.00	29.99 0.30 0.00
WATSON__69_KV_BK 1 55734	35.09 2.58 -5.68	32.38 2.20 -3.98	31.44 1.87 -4.62	30.62 1.60 -8.27	30.84 1.65 -8.27	30.40 1.85 -7.22	32.91 2.45 -3.53	33.76 2.41 -3.71	33.03 2.63 -4.07	30.85 2.42 -2.65	30.28 2.68 0.00	31.32 2.96 -0.19	31.97 2.81 -1.31	32.35 3.09 -0.35	34.10 3.19 -1.37	41.01 3.47 -7.60	45.59 3.88 -6.78	59.73 4.58 -12.73	53.23 4.37 -8.38	46.77 3.97 -6.68	43.41 3.80 -5.02	40.79 3.56 -4.82	33.98 3.27 -0.19	32.55 2.85 -0.01
WDELAWARE__HYD 323627	33.68 1.69 -5.16	31.41 1.60 -3.61	30.62 1.47 -4.20	29.50 1.24 -7.51	29.69 1.28 -7.51	29.22 1.34 -6.56	31.88 1.75 -3.21	32.89 1.88 -3.37	31.86 1.84 -3.69	29.93 1.75 -2.41	29.59 1.99 0.00	30.31 1.97 -0.17	31.05 2.01 -1.19	31.35 2.14 -0.31	32.90 2.13 -1.23	36.42 2.42 -4.06	41.65 2.90 -3.82	50.00 3.56 -4.01	44.54 3.28 -0.79	39.43 2.96 -0.34	37.33 2.70 -0.05	34.93 2.53 0.00	32.95 2.26 -0.17	31.60 1.90 0.00



WEST BABYLON___IC 23714	35.01 2.50 -5.68	32.30 2.12 -3.98	31.40 1.82 -4.62	30.56 1.54 -8.27	30.77 1.59 -8.27	30.31 1.77 -7.22	32.83 2.37 -3.53	33.71 2.35 -3.71	32.95 2.55 -4.07	30.77 2.35 -2.65	30.22 2.62 0.00	31.23 2.87 -0.19	31.92 2.76 -1.31	32.26 3.01 -0.35	33.99 3.07 -1.37	41.07 3.35 -7.78	45.57 3.70 -6.93	60.04 4.41 -13.21	53.50 4.21 -8.82	46.96 3.79 -7.05	43.56 3.67 -5.31	40.94 3.43 -5.10	33.89 3.17 -0.20	32.47 2.76 -0.01
WEST CANADA___HYD 24049	26.91 0.00 -0.08	26.28 0.03 -0.06	25.04 0.02 -0.07	20.89 0.02 -0.12	21.06 0.02 -0.12	21.42 0.00 -0.11	27.00 0.03 -0.05	27.70 0.00 -0.05	26.42 0.03 -0.06	25.81 0.00 -0.04	27.63 0.03 0.00	28.20 0.03 0.00	27.90 0.03 -0.02	28.94 0.03 -0.01	29.59 0.03 -0.02	30.03 0.03 -0.07	35.07 0.07 -0.06	42.57 0.09 -0.07	40.57 0.08 -0.01	36.23 0.11 -0.01	34.69 0.10 0.00	32.50 0.10 0.00	30.65 0.12 0.00	29.78 0.09 0.00
WESTERN_NY_WIND 24143	25.63 -1.56 -0.35	24.88 -1.57 -0.25	23.69 -1.55 -0.29	20.80 -1.14 -1.19	21.10 -1.00 -1.19	21.51 -0.85 -1.04	26.25 -1.18 -0.51	26.62 -1.49 -0.47	25.24 -1.61 -0.51	24.56 -1.55 -0.34	25.97 -1.63 0.00	26.62 -1.58 -0.03	26.37 -1.64 -0.17	27.31 -1.65 -0.05	28.12 -1.60 -0.17	29.29 -1.29 -0.64	34.03 -1.43 -0.53	41.16 -1.82 -0.56	38.85 -1.74 -0.11	34.33 -1.84 -0.05	32.83 -1.76 -0.01	31.13 -1.26 0.00	28.96 -1.59 -0.03	28.63 -1.07 0.00
WESTOVER___LESR 323668	28.82 0.05 -1.93	27.63 0.08 -1.35	26.62 0.10 -1.57	23.65 0.08 -2.81	23.83 0.10 -2.81	23.90 0.13 -2.46	28.32 0.19 -1.20	29.17 0.28 -1.25	27.93 0.24 -1.36	26.87 0.21 -0.89	28.04 0.44 0.00	28.54 0.31 -0.06	28.48 0.19 -0.44	29.20 0.17 -0.12	30.20 0.21 -0.45	31.82 0.36 -1.52	36.80 0.45 -1.41	44.50 0.59 -1.48	41.30 0.53 -0.29	36.64 0.40 -0.13	35.15 0.55 -0.02	32.95 0.55 0.00	30.80 0.21 -0.06	30.11 0.42 0.00
WETHRSFD_WT_PWR 323626	24.74 -2.33 -0.24	24.07 -2.31 -0.18	22.98 -2.17 -0.20	20.59 -1.72 -1.56	20.87 -1.61 -1.56	21.17 -1.51 -1.36	25.71 -1.89 -0.67	26.22 -2.05 -0.62	24.95 -2.05 -0.67	24.18 -2.04 -0.44	25.86 -1.74 0.00	26.18 -2.03 -0.04	25.87 -2.20 -0.22	27.06 -1.91 -0.06	27.70 -2.07 -0.23	29.07 -1.70 -0.85	33.74 -1.89 -0.70	40.99 -2.16 -0.73	38.56 -2.06 -0.15	34.20 -1.99 -0.07	33.48 -1.11 -0.01	31.30 -1.10 0.00	28.76 -1.80 -0.04	28.74 -0.95 0.00
WHAVSTOR_138KV_BK127 55557	33.97 1.56 -5.58	31.55 1.44 -3.91	30.79 1.30 -4.54	30.00 1.12 -8.13	30.17 1.13 -8.13	29.63 1.22 -7.10	31.99 1.59 -3.47	33.03 1.74 -3.65	32.04 1.71 -4.00	30.05 1.68 -2.61	29.50 1.90 0.00	30.30 1.94 -0.18	31.09 1.95 -1.29	31.21 1.97 -0.33	32.88 2.01 -1.33	36.61 2.27 -4.40	41.62 2.55 -4.13	49.82 3.05 -4.35	44.20 2.87 -0.85	39.06 2.56 -0.37	37.06 2.42 -0.06	34.63 2.24 0.00	32.75 2.04 -0.18	31.39 1.69 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	33.97 1.56 -5.58	31.55 1.44 -3.91	30.79 1.30 -4.54	30.00 1.12 -8.13	30.17 1.13 -8.13	29.63 1.22 -7.10	31.99 1.59 -3.47	33.03 1.74 -3.65	32.04 1.71 -4.00	30.05 1.68 -2.61	29.50 1.90 0.00	30.30 1.94 -0.18	31.09 1.95 -1.29	31.21 1.97 -0.33	32.88 2.01 -1.33	36.61 2.27 -4.40	41.62 2.55 -4.13	49.82 3.05 -4.35	44.20 2.87 -0.85	39.06 2.56 -0.37	37.06 2.42 -0.06	34.63 2.24 0.00	32.75 2.04 -0.18	31.39 1.69 0.00
WHITEHAL_115KV_TB1 80871	35.03 1.61 -6.59	32.38 1.57 -4.61	31.71 1.40 -5.36	31.52 1.18 -9.59	31.74 1.23 -9.59	30.99 1.30 -8.38	32.72 1.70 -4.10	33.58 1.63 -4.31	32.76 1.71 -4.72	30.34 1.49 -3.08	29.20 1.60 0.00	29.80 1.41 -0.21	30.76 1.39 -1.52	30.77 1.47 -0.39	32.77 1.65 -1.57	36.95 1.83 -5.19	42.19 2.38 -4.88	50.65 3.10 -5.13	44.32 2.83 -1.01	38.94 2.38 -0.44	37.10 2.46 -0.07	34.50 2.11 0.00	33.45 2.72 -0.21	31.98 2.29 0.00
WHITEPLN_13_KV_LOAD 356215	34.38 1.88 -5.68	31.93 1.76 -3.97	31.16 1.60 -4.62	30.36 1.35 -8.26	30.53 1.36 -8.26	29.98 1.45 -7.22	32.34 1.88 -3.53	33.37 2.02 -3.71	32.39 2.00 -4.06	30.35 1.93 -2.65	29.81 2.21 0.00	30.64 2.28 -0.19	31.50 2.34 -1.31	31.62 2.37 -0.34	33.35 2.45 -1.35	37.10 2.69 -4.47	42.21 3.07 -4.20	50.53 3.69 -4.42	44.83 3.48 -0.87	39.57 3.07 -0.38	37.54 2.90 -0.06	35.12 2.72 0.00	33.18 2.47 -0.19	31.77 2.08 0.00
WM_FLOYD_69_KV_BK2 356380	34.98 2.47 -5.68	32.24 2.07 -3.98	31.32 1.75 -4.62	30.54 1.51 -8.27	30.73 1.55 -8.27	30.31 1.77 -7.22	32.77 2.32 -3.53	33.62 2.27 -3.71	32.92 2.53 -4.07	30.74 2.32 -2.65	30.11 2.51 0.00	31.15 2.79 -0.19	31.78 2.62 -1.31	32.15 2.89 -0.35	33.93 3.01 -1.37	40.75 3.29 -7.52	45.35 3.70 -6.72	59.18 4.24 -12.52	52.71 4.05 -8.19	46.43 3.79 -6.52	43.08 3.60 -4.90	40.37 3.27 -4.70	33.77 3.05 -0.19	32.29 2.58 -0.01
WOODARD___115KV_TB2 355635	26.76 -0.21 -0.14	25.95 -0.21 0.04	24.79 -0.20 -0.04	21.05 -0.17 -0.47	21.21 -0.17 -0.46	21.52 -0.15 -0.36	26.65 -0.22 0.06	27.53 -0.19 -0.08	26.08 -0.21 0.03	25.43 -0.18 0.16	26.90 -0.25 0.45	27.49 -0.25 0.43	27.28 -0.25 0.31	28.25 -0.23 0.43	28.97 -0.24 0.34	29.78 -0.30 -0.15	34.99 -0.35 -0.41	42.43 -0.42 -0.43	40.08 -0.49 -0.08	35.69 -0.47 -0.04	34.10 -0.48 -0.01	31.98 -0.42 0.00	30.05 -0.49 -0.02	29.40 -0.30 0.00
YORK___WARBASSE 23770	34.64 2.12 -5.69	32.17 1.99 -3.97	31.37 1.80 -4.62	30.52 1.49 -8.27	30.69 1.51 -8.27	30.08 1.53 -7.22	32.48 2.02 -3.53	33.46 2.10 -3.71	32.50 2.11 -4.07	30.48 2.06 -2.65	29.97 2.37 0.00	30.92 2.56 -0.19	31.72 2.56 -1.31	31.85 2.60 -0.34	33.50 2.60 -1.35	37.28 2.87 -4.48	42.39 3.25 -4.21	50.75 3.90 -4.42	45.11 3.76 -0.87	39.86 3.36 -0.38	37.75 3.11 -0.06	35.35 2.95 0.00	33.48 2.78 -0.19	32.14 2.43 -0.01