

# Day Ahead Market Generator LBMP

Generator Data		--- Marginal Cost of Losses															--- Marginal Cost of Congestion										10/19/2023		
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	19.67	18.66	17.29	17.25	17.78	20.62	29.40	39.02	33.92	27.13	25.39	24.24	23.32	23.34	23.31	23.80	28.22	36.18	47.69	37.87	30.73	26.31	23.10	19.92				
		1.27	1.03	0.99	0.95	0.99	0.98	1.77	2.12	1.89	2.03	2.02	2.01	1.96	1.74	1.65	1.78	1.78	1.73	1.59	2.08	1.53	0.96	0.78	0.98				
		-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.10	-10.39	-9.00	-0.31	-0.13	-0.09	-0.29	-2.47	-3.28	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.70	-11.97	-5.76				
74TH STREET_GT_1	24260	19.64	18.63	17.23	17.22	17.73	20.56	29.33	38.91	33.82	27.06	25.30	24.15	23.24	23.26	23.24	23.72	28.16	36.11	47.62	37.76	30.67	26.27	23.07	19.88				
		1.23	1.00	0.93	0.92	0.94	0.93	1.69	2.01	1.80	1.96	1.93	1.93	1.88	1.66	1.58	1.70	1.72	1.67	1.54	1.98	1.47	0.92	0.75	0.94				
		-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.10	-10.39	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.28	-1.09	-4.69	-12.23	-26.39	-8.34	-9.55	-11.69	-11.97	-5.76				
74TH STREET_GT_2	24261	19.64	18.63	17.23	17.22	17.73	20.56	29.33	38.91	33.82	27.06	25.30	24.15	23.24	23.26	23.24	23.72	28.16	36.11	47.62	37.76	30.67	26.27	23.07	19.88				
		1.23	1.00	0.93	0.92	0.94	0.93	1.69	2.01	1.80	1.96	1.93	1.93	1.88	1.66	1.58	1.70	1.72	1.67	1.54	1.98	1.47	0.92	0.75	0.94				
		-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.10	-10.39	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.28	-1.09	-4.69	-12.23	-26.39	-8.34	-9.55	-11.69	-11.97	-5.76				
ADK HUDSON___FALLS	24011	19.34	18.96	17.38	17.46	18.12	21.64	30.03	41.49	35.68	26.88	24.82	23.64	22.53	23.13	23.40	23.49	28.74	37.98	51.48	38.50	32.15	28.67	25.65	21.01				
		0.94	0.74	0.72	0.74	0.80	0.85	1.74	2.09	1.75	1.88	1.67	1.55	1.24	1.15	1.12	1.32	1.24	1.42	1.36	1.98	1.38	0.87	0.60	0.74				
		-0.04	-3.12	-1.89	-2.29	-2.83	-6.09	-3.75	-12.89	-10.91	-0.20	0.09	0.04	-0.22	-2.85	-3.90	-1.23	-5.74	-14.34	-30.43	-9.08	-11.13	-14.13	-14.70	-7.09				
ADK RESOURCE___RCVRY	23798	19.41	19.01	17.44	17.51	18.18	21.70	30.18	41.68	35.87	27.08	24.96	23.77	22.61	23.22	23.50	23.59	28.83	38.13	51.69	38.74	32.31	28.77	25.70	21.08				
		1.01	0.78	0.78	0.78	0.85	0.91	1.89	2.28	1.93	2.08	1.81	1.68	1.33	1.24	1.21	1.42	1.33	1.53	1.48	2.17	1.51	0.96	0.64	0.80				
		-0.04	-3.12	-1.89	-2.30	-2.83	-6.09	-3.76	-12.89	-10.91	-0.20	0.09	0.04	-0.22	-2.85	-3.91	-1.23	-5.75	-14.38	-30.52	-9.13	-11.15	-14.15	-14.71	-7.09				
ADK S GLENS___FALLS	24028	19.34	18.96	17.38	17.46	18.12	21.64	30.03	41.49	35.68	26.88	24.82	23.64	22.53	23.13	23.40	23.49	28.74	37.98	51.48	38.50	32.15	28.67	25.65	21.01				
		0.94	0.74	0.72	0.74	0.80	0.85	1.74	2.09	1.75	1.88	1.67	1.55	1.24	1.15	1.12	1.32	1.24	1.42	1.36	1.98	1.38	0.87	0.60	0.74				
		-0.04	-3.12	-1.89	-2.29	-2.83	-6.09	-3.75	-12.89	-10.91	-0.20	0.09	0.04	-0.22	-2.85	-3.90	-1.23	-5.74	-14.34	-30.43	-9.08	-11.13	-14.13	-14.70	-7.09				
ADK_NYS___DAM	23527	19.30	18.87	17.34	17.38	17.98	21.37	29.53	40.41	34.56	26.21	24.14	23.14	22.22	22.71	22.97	23.19	28.44	36.56	48.20	36.61	30.83	27.65	25.02	20.65				
		0.90	0.75	0.75	0.74	0.75	0.81	1.37	1.48	1.24	1.34	1.16	1.13	1.03	0.94	0.90	1.07	1.17	1.20	1.08	1.45	1.06	0.66	0.50	0.63				
		-0.03	-3.01	-1.82	-2.21	-2.73	-5.87	-3.62	-12.42	-10.30	-0.08	0.25	0.12	-0.12	-2.64	-3.69	-1.19	-5.51	-13.15	-27.43	-7.71	-10.13	-13.33	-14.17	-6.83				
AIR_PRODUCTS___DRP	24190	18.73	18.40	16.92	16.94	17.52	20.88	28.71	39.52	34.02	25.43	23.51	22.42	21.63	22.23	22.49	22.51	27.74	36.66	49.72	36.88	30.94	27.73	24.90	20.36				
		0.33	0.26	0.31	0.27	0.26	0.25	0.52	0.45	0.37	0.45	0.37	0.33	0.36	0.33	0.31	0.38	0.39	0.49	0.45	0.63	0.47	0.30	0.21	0.26				
		-0.03	-3.04	-1.85	-2.24	-2.76	-5.94	-3.66	-12.57	-10.63	-0.19	0.09	0.04	-0.21	-2.78	-3.80	-1.20	-5.60	-13.95	-29.58	-8.80	-10.82	-13.77	-14.34	-6.91				
AKWESSNE_115KV_BK	355683	18.05	14.86	14.51	14.19	14.22	14.42	24.07	25.98	22.56	24.22	22.68	21.56	20.56	18.71	17.95	20.45	21.27	21.75	19.28	26.84	19.16	13.30	10.08	12.83				
		-0.31	-0.24	-0.25	-0.25	-0.28	-0.28	-0.47	-0.53	-0.46	-0.57	-0.56	-0.58	-0.51	-0.42	-0.42	-0.48	-0.48	-0.47	-0.41	-0.60	-0.49	-0.36	-0.27	-0.36				
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
ALBANY___1	23571	18.73	18.40	16.92	16.94	17.52	20.88	28.71	39.52	34.02	25.43	23.51	22.42	21.63	22.23	22.49	22.51	27.74	36.66	49.72	36.88	30.94	27.73	24.90	20.36				
		0.33	0.26	0.31	0.27	0.26	0.25	0.52	0.45	0.37	0.45	0.37	0.33	0.36	0.33	0.31	0.38	0.39	0.49	0.45	0.63	0.47	0.30	0.21	0.26				
		-0.03	-3.04	-1.85	-2.24	-2.76	-5.94	-3.66	-12.57	-10.63	-0.19	0.09	0.04	-0.21	-2.78	-3.80	-1.20	-5.60	-13.95	-29.58	-8.80	-10.82	-13.77	-14.34	-6.91				
ALBANY___2	23572	18.73	18.40	16.92	16.94	17.52	20.88	28.71	39.52	34.02	25.43	23.51	22.42	21.63	22.23	22.49	22.51	27.74	36.66	49.72	36.88	30.94	27.73	24.90	20.36				
		0.33	0.26	0.31	0.27	0.26	0.25	0.52	0.45	0.37	0.45	0.37	0.33	0.36	0.33	0.31	0.38	0.39	0.49	0.45	0.63	0.47	0.30	0.21	0.26				
		-0.03	-3.04	-1.85	-2.24	-2.76	-5.94	-3.66	-12.57	-10.63	-0.19	0.09	0.04	-0.21	-2.78	-3.80	-1.20	-5.60	-13.95	-29.58	-8.80	-10.82	-13.77	-14.34	-6.91				
ALBANY___3	23573	18.73	18.40	16.92	16.94	17.52	20.88	28.71	39.52	34.02	25.43	23.51	22.42	21.63	22.23	22.49	22.51	27.74	36.66	49.72	36.88	30.94	27.73	24.90	20.36				
		0.33	0.26	0.31	0.27	0.26	0.25	0.52	0.45	0.37	0.45	0.37	0.33	0.36	0.33	0.31	0.38	0.39	0.49	0.45	0.63	0.47	0.30	0.21	0.26				
		-0.03	-3.04	-1.85	-2.24	-2.76	-5.94	-3.66	-12.57	-10.63	-0.19	0.09	0.04	-0.21	-2.78	-3.80	-1.20	-5.60	-13.95	-29.58	-8.80	-10.82	-13.77	-14.34	-6.91				



ALBANY___4 23574	18.73 0.33 -0.03	18.40 0.26 -3.04	16.92 0.31 -1.85	16.94 0.27 -2.24	17.52 0.26 -2.76	20.88 0.25 -5.94	28.71 0.52 -3.66	39.52 0.45 -12.57	34.02 0.37 -10.63	25.43 0.45 -0.19	23.51 0.37 0.09	22.42 0.33 0.04	21.63 0.36 -0.21	22.23 0.33 -2.78	22.49 0.31 -3.80	22.51 0.38 -1.20	27.74 0.39 -5.60	36.66 0.49 -13.95	49.72 0.45 -29.58	36.88 0.63 -8.80	30.94 0.47 -10.82	27.73 0.30 -13.77	24.90 0.21 -14.34	20.36 0.26 -6.91
ALBANY___LFGE 323615	18.90 0.50 -0.03	18.56 0.39 -3.06	17.03 0.41 -1.86	17.09 0.40 -2.25	17.66 0.39 -2.78	21.05 0.38 -5.97	28.96 0.74 -3.68	39.89 0.74 -12.65	34.34 0.62 -10.69	25.70 0.72 -0.19	23.74 0.60 0.10	22.66 0.57 0.05	21.84 0.57 -0.21	22.44 0.52 -2.79	22.70 0.50 -3.83	22.73 0.59 -1.21	27.99 0.61 -5.63	36.99 0.71 -14.06	50.17 0.65 -29.83	37.25 0.90 -8.90	31.22 0.67 -10.91	27.96 0.44 -13.87	25.08 0.30 -14.43	20.52 0.38 -6.95
ALCOA_PA_115KV_PL-6C 55860	18.15 -0.22 0.00	14.94 -0.17 0.00	14.59 -0.18 0.00	14.26 -0.17 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.66 -0.37 0.00	24.30 -0.50 0.00	22.72 -0.51 0.00	21.60 -0.53 0.00	20.60 -0.46 0.00	18.72 -0.40 0.00	17.99 -0.39 0.00	20.47 -0.46 0.00	21.32 -0.44 0.00	21.80 -0.42 0.00	19.32 -0.37 0.00	26.92 -0.52 0.00	19.20 -0.45 0.00	13.33 -0.33 0.00	10.11 -0.24 0.00	12.87 -0.32 0.00
ALCOA_RYNLDS___DRP 24188	18.15 -0.22 0.00	14.94 -0.17 0.00	14.59 -0.18 0.00	14.26 -0.17 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.66 -0.37 0.00	24.30 -0.50 0.00	22.72 -0.51 0.00	21.60 -0.53 0.00	20.60 -0.46 0.00	18.72 -0.40 0.00	17.99 -0.39 0.00	20.47 -0.46 0.00	21.32 -0.44 0.00	21.80 -0.42 0.00	19.32 -0.37 0.00	26.92 -0.52 0.00	19.20 -0.45 0.00	13.33 -0.33 0.00	10.11 -0.24 0.00	12.87 -0.32 0.00
ALCOA___DSASP 323711	18.15 -0.22 0.00	14.94 -0.17 0.00	14.57 -0.19 0.00	14.26 -0.17 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.66 -0.37 0.00	24.30 -0.50 0.00	22.72 -0.51 0.00	21.60 -0.53 0.00	20.60 -0.46 0.00	18.72 -0.40 0.00	17.99 -0.39 0.00	20.47 -0.46 0.00	21.32 -0.43 0.00	21.80 -0.42 0.00	19.32 -0.37 0.00	26.92 -0.52 0.00	19.20 -0.45 0.00	13.33 -0.33 0.00	10.11 -0.24 0.00	12.87 -0.32 0.00
ALLEGHENY___COGEN 23514	19.16 0.79 -0.01	16.49 0.63 -0.75	15.91 0.69 -0.46	15.65 0.66 -0.55	15.89 0.71 -0.68	16.98 0.82 -1.47	26.82 1.37 -0.91	31.11 1.48 -3.12	27.01 1.31 -2.67	26.22 1.36 -0.06	24.51 1.28 0.00	23.33 1.19 0.00	22.04 0.91 -0.06	20.56 0.73 -0.70	20.03 0.70 -0.95	22.15 0.92 -0.30	24.21 1.07 -1.39	26.96 1.18 -3.56	28.57 1.26 -7.62	31.59 1.81 -2.33	23.79 1.37 -2.77	18.15 1.02 -3.46	14.67 0.76 -3.56	15.89 0.99 -1.72
ALTAMONT_115KV_TB 2 55880	19.04 0.64 -0.03	18.67 0.51 -3.05	17.13 0.52 -1.85	17.18 0.51 -2.24	17.75 0.49 -2.77	21.14 0.50 -5.95	29.11 0.91 -3.67	40.08 0.98 -12.59	34.57 0.85 -10.69	25.93 0.92 -0.22	24.02 0.84 0.06	22.92 0.82 0.03	22.07 0.78 -0.23	22.62 0.69 -2.80	22.88 0.68 -3.82	22.91 0.77 -1.21	28.17 0.80 -5.62	37.15 0.80 -14.13	50.49 0.73 -30.07	37.52 1.02 -9.06	31.37 0.75 -10.98	28.00 0.48 -13.86	25.07 0.35 -14.36	20.56 0.45 -6.92
ALTONA_WT_PWR 323606	18.40 0.04 0.00	15.13 0.03 0.00	14.75 -0.01 0.00	14.42 -0.01 0.00	14.44 -0.06 0.00	14.64 -0.06 0.00	24.51 -0.02 0.00	26.43 -0.08 0.00	22.96 -0.07 0.00	24.67 -0.12 0.00	23.21 -0.02 0.00	22.07 -0.07 0.00	21.09 0.02 0.00	19.18 0.06 0.00	18.41 0.04 0.00	21.00 0.06 0.00	21.91 0.15 0.00	22.37 0.16 0.00	19.77 0.08 0.00	27.50 0.06 0.00	19.39 -0.26 0.00	13.36 -0.30 0.00	10.07 -0.28 0.00	12.74 -0.45 0.00
AMERICAN_REF_FUEL 24010	17.99 -0.39 -0.01	15.57 -0.24 -0.71	15.11 -0.09 -0.43	14.88 -0.07 -0.52	15.00 -0.14 -0.65	15.97 -0.12 -1.39	24.62 -0.79 -0.86	28.25 -1.22 -2.96	24.75 -0.81 -2.53	24.23 -0.62 -0.06	22.86 -0.37 0.00	21.87 -0.26 0.00	20.66 -0.46 -0.06	19.35 -0.44 -0.67	18.88 -0.40 -0.90	20.71 -0.50 -0.28	22.44 -0.63 -1.32	24.75 -0.84 -3.38	26.18 -0.73 -7.22	28.67 -0.99 -2.21	21.88 -0.39 -2.63	16.93 -0.01 -3.28	13.78 0.05 -3.38	14.91 0.09 -1.63
ARKWRIGHT___SUMMIT_WT_PWR 323751	18.56 0.18 -0.01	15.82 -0.05 -0.76	15.29 0.06 -0.46	15.03 0.04 -0.56	15.20 0.01 -0.69	16.24 0.06 -1.49	25.24 -0.22 -0.92	29.22 -0.45 -3.17	25.50 -0.23 -2.71	24.98 0.12 -0.06	23.84 0.60 0.00	22.80 0.66 0.00	21.28 0.15 -0.06	19.86 0.02 -0.71	19.36 0.02 -0.97	21.22 -0.02 -0.30	23.04 -0.13 -1.41	25.54 -0.29 -3.61	27.20 -0.22 -7.72	29.45 -0.36 -2.37	22.36 -0.10 -2.81	17.32 0.15 -3.51	14.09 0.12 -3.61	15.11 0.18 -1.74
ARTHUR_KILL_GT_1 23520	19.64 1.23 -0.04	18.66 1.03 -2.53	17.25 0.95 -1.54	17.20 0.91 -1.86	17.75 0.96 -2.30	20.51 0.88 -4.94	29.23 1.59 -3.09	38.59 1.70 -10.39	33.52 1.50 -9.00	26.76 1.66 -0.31	25.04 1.67 -0.13	23.95 1.73 -0.09	23.11 1.75 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.29	23.53 1.51 -1.09	28.01 1.57 -4.69	35.93 1.49 -12.22	47.46 1.38 -26.40	37.48 1.70 -8.33	30.55 1.35 -9.55	26.17 0.82 -11.69	23.08 0.76 -11.98	19.87 0.92 -5.76
ARTHUR_KILL_2 23512	19.60 1.19 -0.04	18.63 1.00 -2.53	17.21 0.90 -1.54	17.18 0.88 -1.86	17.71 0.91 -2.30	20.47 0.84 -4.94	29.15 1.52 -3.09	38.51 1.62 -10.39	33.47 1.45 -9.00	26.71 1.61 -0.31	24.97 1.60 -0.13	23.89 1.66 -0.09	23.05 1.69 -0.30	23.07 1.47 -2.47	23.08 1.42 -3.29	23.47 1.44 -1.09	27.94 1.50 -4.69	35.86 1.42 -12.22	47.41 1.32 -26.40	37.40 1.62 -8.33	30.49 1.30 -9.55	26.14 0.79 -11.69	23.05 0.72 -11.98	19.83 0.88 -5.76
ARTHUR_KILL_3 23513	19.49 1.08 -0.04	18.52 0.89 -2.53	17.16 0.86 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.46 0.82 -4.94	29.09 1.45 -3.10	38.62 1.72 -10.39	33.60 1.57 -9.00	26.81 1.71 -0.31	25.09 1.72 -0.13	23.95 1.73 -0.09	23.05 1.69 -0.30	23.09 1.49 -2.47	23.06 1.40 -3.28	23.51 1.49 -1.09	27.94 1.50 -4.69	35.85 1.40 -12.23	47.39 1.30 -26.40	37.46 1.67 -8.34	30.50 1.30 -9.55	26.14 0.78 -11.70	22.97 0.64 -11.97	19.79 0.84 -5.76
ARTHUR_KILL_COGEN 323718	19.64 1.23 -0.04	18.66 1.03 -2.53	17.25 0.95 -1.54	17.20 0.91 -1.86	17.75 0.96 -2.30	20.51 0.88 -4.94	29.23 1.59 -3.09	38.59 1.70 -10.39	33.52 1.50 -9.00	26.76 1.66 -0.31	25.04 1.67 -0.13	23.95 1.73 -0.09	23.11 1.75 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.29	23.53 1.51 -1.09	28.01 1.57 -4.69	35.93 1.49 -12.22	47.46 1.38 -26.40	37.48 1.70 -8.33	30.55 1.35 -9.55	26.17 0.82 -11.69	23.08 0.76 -11.98	19.87 0.92 -5.76
ASHOKAN____ 23654	19.44 1.05 -0.03	18.04 0.20 -2.75	16.61 0.18 -1.67	16.62 0.17 -2.02	17.03 0.04 -2.49	20.01 -0.04 -5.36	27.97 0.12 -3.30	37.98 0.13 -11.34	32.77 0.05 -9.70	26.11 1.09 -0.23	24.17 0.93 0.00	23.04 0.91 0.00	22.29 0.99 -0.23	21.68 0.00 -2.56	21.88 0.04 -3.47	22.08 0.06 -1.09	26.95 0.13 -5.07	35.56 0.40 -12.94	47.78 0.41 -27.67	36.45 0.52 -8.48	29.95 0.24 -10.07	26.40 0.16 -12.58	23.35 0.06 -12.94	19.52 0.09 -6.24



ASTORIA_EAST_ENERGY_CC1 323581	19.37 0.97 -0.03	18.50 0.88 -2.52	17.09 0.80 -1.53	17.04 0.75 -1.86	17.55 0.77 -2.29	20.37 0.76 -4.91	29.13 1.50 -3.09	38.68 1.78 -10.40	33.43 1.40 -9.00	26.78 1.71 -0.27	25.00 1.67 -0.09	23.91 1.73 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.43 1.49 -1.01	27.89 1.48 -4.66	35.75 1.31 -12.22	47.31 1.22 -26.40	37.29 1.51 -8.33	30.31 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.97	19.77 0.83 -5.75
ASTORIA_EAST_ENERGY_CC2 323582	19.37 0.97 -0.03	18.50 0.88 -2.52	17.09 0.80 -1.53	17.04 0.75 -1.86	17.55 0.77 -2.29	20.37 0.76 -4.91	29.13 1.50 -3.09	38.68 1.78 -10.40	33.43 1.40 -9.00	26.78 1.71 -0.27	25.00 1.67 -0.09	23.91 1.73 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.43 1.49 -1.01	27.89 1.48 -4.66	35.75 1.31 -12.22	47.31 1.22 -26.40	37.29 1.51 -8.33	30.31 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.97	19.77 0.83 -5.75
ASTORIA_GT2_1 24094	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT2_2 24095	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT2_3 24096	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT2_4 24097	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT3_1 24098	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT3_2 24099	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT3_3 24100	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT3_4 24101	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT4_1 24102	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT4_2 24103	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT4_3 24104	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT4_4 24105	19.40 0.99 -0.04	18.51 0.88 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.38 0.76 -4.92	29.11 1.47 -3.10	38.67 1.78 -10.39	33.45 1.43 -9.00	26.78 1.71 -0.27	25.03 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.78 1.33 -12.23	47.30 1.22 -26.39	37.29 1.51 -8.34	30.32 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.96	19.78 0.84 -5.75
ASTORIA_GT_1 23523	19.41 1.01 -0.03	18.53 0.91 -2.52	17.12 0.83 -1.53	17.07 0.78 -1.86	17.58 0.80 -2.29	20.40 0.79 -4.91	29.18 1.55 -3.09	38.73 1.83 -10.40	33.50 1.47 -9.00	26.83 1.76 -0.27	25.07 1.74 -0.09	23.97 1.79 -0.05	23.12 1.79 -0.26	23.11 1.57 -2.41	23.11 1.51 -3.22	23.50 1.55 -1.01	27.96 1.54 -4.66	35.82 1.38 -12.22	47.35 1.26 -26.40	37.34 1.56 -8.33	30.35 1.16 -9.55	26.13 0.78 -11.69	23.02 0.70 -11.97	19.79 0.86 -5.75



ASTORIA_GT_10 24110	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.12 0.76 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
ASTORIA_GT_11 24225	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.12 0.76 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
ASTORIA_GT_12 24226	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.12 0.76 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
ASTORIA_GT_13 24227	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.12 0.76 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
ASTORIA_GT_5 24106	19.41 1.01 -0.03	18.53 0.91 -2.52	17.12 0.83 -1.53	17.07 0.78 -1.86	17.58 0.80 -2.29	20.40 0.79 -4.91	29.18 1.55 -3.09	38.73 1.83 -10.40	33.50 1.47 -9.00	26.83 1.76 -0.27	25.07 1.74 -0.09	23.97 1.79 -0.05	23.12 1.79 -0.26	23.11 1.57 -2.41	23.11 1.51 -3.22	23.50 1.55 -1.01	27.96 1.54 -4.66	35.82 1.38 -12.22	47.35 1.26 -26.40	37.34 1.56 -8.33	30.35 1.16 -9.55	26.13 0.78 -11.69	23.02 0.70 -11.97	19.79 0.86 -5.75
ASTORIA_GT_7 24107	19.41 1.01 -0.03	18.53 0.91 -2.52	17.12 0.83 -1.53	17.07 0.78 -1.86	17.58 0.80 -2.29	20.40 0.79 -4.91	29.18 1.55 -3.09	38.73 1.83 -10.40	33.50 1.47 -9.00	26.83 1.76 -0.27	25.07 1.74 -0.09	23.97 1.79 -0.05	23.12 1.79 -0.26	23.11 1.57 -2.41	23.11 1.51 -3.22	23.50 1.55 -1.01	27.96 1.54 -4.66	35.82 1.38 -12.22	47.35 1.26 -26.40	37.34 1.56 -8.33	30.35 1.16 -9.55	26.13 0.78 -11.69	23.02 0.70 -11.97	19.79 0.86 -5.75
ASTORIA_GT_8 24108	19.42 1.01 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.07 0.78 -1.86	17.59 0.80 -2.30	20.41 0.79 -4.92	29.13 1.50 -3.10	38.73 1.83 -10.39	33.48 1.45 -9.00	26.83 1.76 -0.27	25.07 1.74 -0.09	23.97 1.79 -0.05	23.12 1.79 -0.26	23.11 1.57 -2.41	23.11 1.51 -3.22	23.50 1.55 -1.01	27.95 1.54 -4.66	35.82 1.38 -12.23	47.34 1.26 -26.39	37.35 1.56 -8.34	30.36 1.16 -9.55	26.13 0.78 -11.69	23.01 0.69 -11.96	19.79 0.86 -5.75
ASTORIA___2 24149	19.39 0.99 -0.03	18.50 0.88 -2.52	17.11 0.81 -1.53	17.05 0.76 -1.86	17.57 0.78 -2.29	20.37 0.76 -4.91	29.15 1.52 -3.09	38.68 1.78 -10.40	33.45 1.43 -9.00	26.78 1.71 -0.27	25.02 1.70 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.07 1.53 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.91 1.50 -4.66	35.77 1.33 -12.22	47.31 1.22 -26.40	37.29 1.51 -8.33	30.31 1.12 -9.55	26.10 0.75 -11.69	23.00 0.68 -11.97	19.78 0.84 -5.75
ASTORIA___3 23516	19.47 1.06 -0.04	18.52 0.89 -2.53	17.13 0.83 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.41 0.78 -4.94	29.05 1.42 -3.09	38.71 1.80 -10.40	33.60 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.29	23.53 1.51 -1.09	27.96 1.52 -4.69	35.92 1.47 -12.23	47.45 1.36 -26.40	37.49 1.70 -8.34	30.45 1.26 -9.55	26.11 0.76 -11.69	23.00 0.67 -11.98	19.76 0.82 -5.76
ASTORIA___4 23517	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.12 0.76 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
ASTORIA___5 23518	19.47 1.06 -0.04	18.52 0.89 -2.53	17.13 0.83 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.41 0.78 -4.94	29.05 1.42 -3.09	38.71 1.80 -10.40	33.60 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.29	23.53 1.51 -1.09	27.96 1.52 -4.69	35.92 1.47 -12.23	47.45 1.36 -26.40	37.49 1.70 -8.34	30.45 1.26 -9.55	26.11 0.76 -11.69	23.00 0.67 -11.98	19.76 0.82 -5.76
AST_ENERGY_2_CC3 323677	16.74 1.10 2.73	16.74 0.91 -0.73	16.74 0.86 -1.12	16.74 0.84 -1.47	16.74 0.85 -1.39	16.74 0.84 -1.21	16.74 1.50 9.30	18.06 1.83 10.27	17.99 1.66 6.69	17.94 1.79 8.64	18.27 1.74 6.71	18.27 1.77 5.63	18.27 1.73 4.53	18.02 1.53 2.64	19.02 1.45 0.81	19.05 1.55 3.43	19.14 1.57 4.17	19.27 1.51 4.46	19.27 1.38 1.80	19.27 1.78 9.96	19.22 1.34 1.76	18.99 0.82 -4.51	18.35 0.67 -7.33	18.02 0.86 -3.98
AST_ENERGY_2_CC4 323678	16.74 1.10 2.73	16.74 0.91 -0.73	16.74 0.86 -1.12	16.74 0.84 -1.47	16.74 0.85 -1.39	16.74 0.84 -1.21	16.74 1.50 9.30	18.06 1.83 10.27	17.99 1.66 6.69	17.94 1.79 8.64	18.27 1.74 6.71	18.27 1.77 5.63	18.27 1.73 4.53	18.02 1.53 2.64	19.02 1.45 0.81	19.05 1.55 3.43	19.14 1.57 4.17	19.27 1.51 4.46	19.27 1.38 1.80	19.27 1.78 9.96	19.22 1.34 1.76	18.99 0.82 -4.51	18.35 0.67 -7.33	18.02 0.86 -3.98
ATHENS_STG_1 23668	19.17 0.77 -0.03	18.51 0.63 -2.77	17.06 0.62 -1.68	17.06 0.59 -2.04	17.61 0.61 -2.51	20.70 0.60 -5.40	28.95 1.08 -3.33	39.11 1.16 -11.43	33.88 1.04 -9.81	26.18 1.14 -0.25	24.36 1.09 -0.03	23.23 1.08 -0.01	22.32 1.01 -0.24	22.64 0.92 -2.60	22.76 0.88 -3.50	23.01 0.98 -1.10	27.87 1.00 -5.11	36.38 1.00 -13.16	48.78 0.87 -28.22	37.38 1.21 -8.73	30.80 0.90 -10.25	26.97 0.59 -12.73	23.85 0.45 -13.04	20.05 0.58 -6.29
ATHENS_STG_2 23670	19.17 0.77 -0.03	18.51 0.63 -2.77	17.06 0.62 -1.68	17.06 0.59 -2.04	17.61 0.61 -2.51	20.70 0.60 -5.40	28.95 1.08 -3.33	39.11 1.16 -11.43	33.88 1.04 -9.81	26.18 1.14 -0.25	24.36 1.09 -0.03	23.23 1.08 -0.01	22.32 1.01 -0.24	22.64 0.92 -2.60	22.76 0.88 -3.50	23.01 0.98 -1.10	27.87 1.00 -5.11	36.38 1.00 -13.16	48.78 0.87 -28.22	37.38 1.21 -8.73	30.80 0.90 -10.25	26.97 0.59 -12.73	23.85 0.45 -13.04	20.05 0.58 -6.29



ATHENS_STG_3 23677	19.17 0.77 -0.03	18.51 0.63 -2.77	17.06 0.62 -1.68	17.06 0.59 -2.04	17.61 0.61 -2.51	20.70 0.60 -5.40	28.95 1.08 -3.33	39.11 1.16 -11.43	33.88 1.04 -9.81	26.18 1.14 -0.25	24.36 1.09 -0.03	23.23 1.08 -0.01	22.32 1.01 -0.24	22.64 0.92 -2.60	22.76 0.88 -3.50	23.01 0.98 -1.10	27.87 1.00 -5.11	36.38 1.00 -13.16	48.78 0.87 -28.22	37.38 1.21 -8.73	30.80 0.90 -10.25	26.97 0.59 -12.73	23.85 0.45 -13.04	20.05 0.58 -6.29
AUBURN____LFGE 323710	18.74 0.37 -0.01	16.04 0.29 -0.65	15.45 0.30 -0.39	15.18 0.27 -0.48	15.40 0.32 -0.59	16.31 0.35 -1.26	26.13 0.81 -0.78	30.19 1.01 -2.67	26.16 0.85 -2.28	25.81 0.97 -0.05	24.12 0.88 0.00	22.97 0.84 0.00	21.84 0.72 -0.05	20.36 0.63 -0.60	19.82 0.62 -0.82	21.96 0.77 -0.26	23.75 0.80 -1.19	26.11 0.84 -3.05	27.02 0.81 -6.52	30.62 1.18 -2.00	22.90 0.88 -2.37	17.22 0.60 -2.96	13.85 0.46 -3.05	15.23 0.58 -1.47
BABYLON_RES_REC 323704	22.50 1.75 -2.39	20.22 1.44 -3.68	18.91 1.39 -2.75	18.46 1.34 -2.68	18.99 1.36 -3.14	23.35 1.38 -7.27	33.94 2.45 -6.95	39.61 2.57 -10.53	34.74 2.35 -9.37	30.18 2.65 -2.73	28.11 2.49 -2.39	27.21 2.43 -2.64	25.77 2.32 -2.38	27.23 2.09 -6.02	27.62 2.00 -7.24	29.35 2.24 -6.18	30.72 2.24 -6.73	39.15 2.02 -14.91	50.25 1.87 -28.69	44.26 2.52 -14.29	34.89 1.93 -13.31	32.77 1.31 -17.80	29.70 1.08 -18.27	23.27 1.37 -8.71
BABYLON__69_KV_BK2 356345	22.73 1.98 -2.39	20.42 1.63 -3.68	19.08 1.56 -2.75	18.64 1.53 -2.68	19.18 1.55 -3.14	23.53 1.56 -7.27	34.70 2.72 -7.43	40.13 2.84 -10.79	34.94 2.62 -9.29	31.54 3.00 -3.75	28.42 2.79 -2.40	27.48 2.70 -2.65	26.02 2.57 -2.38	27.49 2.33 -6.03	28.40 2.24 -7.78	30.24 2.51 -6.79	32.08 2.54 -7.78	44.33 2.24 -19.87	54.64 2.05 -32.91	55.54 2.80 -25.30	42.04 2.14 -20.25	37.94 1.49 -22.79	30.75 1.20 -19.19	24.93 1.53 -10.21
BALL_HILL_WT_PWR 323825	18.58 0.20 -0.01	15.87 0.02 -0.75	15.35 0.13 -0.45	15.10 0.11 -0.55	15.26 0.09 -0.68	16.27 0.12 -1.46	25.28 0.17 -0.91	29.19 -0.43 -3.11	25.50 -0.19 -2.66	25.01 0.15 -0.06	23.82 0.58 0.00	22.73 0.60 0.00	21.28 0.15 -0.06	19.89 0.06 -0.70	19.38 0.06 -0.95	21.25 0.02 -0.30	23.06 -0.09 -1.39	25.53 -0.24 -3.55	27.13 -0.16 -7.59	29.55 -0.22 -2.33	22.49 0.08 -2.76	17.40 0.29 -3.45	14.15 0.25 -3.55	15.25 0.36 -1.71
BARON_WINDS____WT_PWR 323822	18.76 0.39 -0.01	16.16 0.18 -0.88	15.55 0.25 -0.53	15.32 0.25 -0.65	15.52 0.23 -0.80	16.66 0.25 -1.71	25.87 0.27 -1.06	30.39 0.24 -3.65	26.44 0.30 -3.12	25.44 0.57 -0.07	24.05 0.81 0.00	22.93 0.80 0.00	21.58 0.44 -0.07	20.25 0.31 -0.82	19.77 0.28 -1.11	21.62 0.33 -0.35	23.69 0.30 -1.63	26.62 0.24 -4.16	28.84 0.26 -8.89	30.55 0.38 -2.73	23.28 0.39 -3.24	18.06 0.35 -4.04	14.79 0.28 -4.16	15.59 0.40 -2.00
BARRETT_IC_1 23704	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_10 23701	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_11 23702	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_12 23703	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_2 23705	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_3 23706	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_4 23707	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_5 23708	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_6 23709	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90



BARRETT_IC_7 23710	22.24 1.49 -2.39	20.01 1.22 -3.68	18.68 1.17 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.24 2.01 -6.68	39.05 2.15 -10.39	33.98 1.96 -9.00	29.21 2.23 -2.18	27.69 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.11 1.67 -12.23	47.64 1.56 -26.39	37.87 2.09 -8.34	30.79 1.59 -9.55	29.80 1.04 -15.10	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_8 23711	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT_IC_9 23700	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT___1 23545	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BARRETT___2 23546	22.24 1.49 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.27 1.15 -2.68	18.80 1.17 -3.14	23.15 1.18 -7.27	33.21 1.99 -6.69	39.05 2.15 -10.40	33.99 1.96 -9.01	29.23 2.26 -2.18	27.68 2.07 -2.38	26.82 2.06 -2.63	25.45 2.00 -2.38	26.89 1.76 -6.01	27.01 1.69 -6.94	28.60 1.82 -5.85	29.74 1.83 -6.16	36.12 1.67 -12.23	47.65 1.56 -26.41	37.91 2.11 -8.35	30.80 1.59 -9.56	29.81 1.04 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
BATAVIA___115KV_TB1 55881	18.58 0.20 -0.01	16.02 0.24 -0.68	15.50 0.32 -0.41	15.26 0.33 -0.50	15.43 0.32 -0.62	16.42 0.40 -1.32	25.58 0.22 -0.82	29.31 0.00 -2.80	25.68 0.25 -2.40	25.27 0.42 -0.06	23.75 0.51 0.00	22.66 0.53 0.00	21.40 0.27 -0.06	19.97 0.21 -0.63	19.47 0.24 -0.86	21.47 0.27 -0.27	23.27 0.26 -1.25	25.55 0.13 -3.20	26.73 0.20 -6.84	29.84 0.30 -2.10	22.55 0.41 -2.49	17.26 0.49 -3.11	13.94 0.39 -3.20	15.25 0.53 -1.54
BAYONEEC___CTG1 323682	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG10 323750	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG2 323683	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG3 323684	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG4 323685	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG5 323686	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG6 323687	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG7 323688	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BAYONEEC___CTG8 323689	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76



BAYONEEC___CTG9 323749	19.55 1.14 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.50 0.87 -4.94	29.18 1.55 -3.10	38.76 1.85 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.04 1.82 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.03 1.59 -4.69	35.96 1.51 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.58 1.37 -9.55	26.20 0.85 -11.70	23.02 0.69 -11.97	19.83 0.88 -5.76
BEACON___LESR 323632	19.03 0.62 -0.03	18.63 0.48 -3.04	17.11 0.50 -1.84	17.16 0.49 -2.24	17.72 0.46 -2.76	21.08 0.46 -5.93	29.10 0.91 -3.66	39.96 0.90 -12.56	34.40 0.76 -10.61	25.85 0.87 -0.19	23.86 0.72 0.10	22.77 0.69 0.05	21.93 0.65 -0.20	22.49 0.59 -2.77	22.76 0.59 -3.80	22.83 0.69 -1.20	28.09 0.74 -5.59	37.04 0.87 -13.96	50.11 0.81 -29.61	37.40 1.13 -8.83	31.30 0.83 -10.83	27.94 0.52 -13.76	25.04 0.36 -14.32	20.55 0.46 -6.90
BEAVER RIVER___HYD 24048	18.26 -0.11 0.00	15.22 -0.09 -0.21	14.76 -0.13 -0.12	14.47 -0.12 -0.15	14.61 -0.07 -0.19	15.04 -0.06 -0.40	25.12 0.32 -0.27	27.90 0.48 -0.92	23.97 0.16 -0.78	24.76 -0.05 -0.02	23.12 -0.12 0.00	21.91 -0.22 0.00	20.83 -0.25 -0.02	19.08 -0.25 -0.21	18.44 -0.22 -0.28	20.83 -0.19 -0.09	22.01 -0.15 -0.41	23.26 0.00 -1.05	22.01 0.08 -2.24	28.35 0.22 -0.69	20.56 0.10 -0.81	14.74 0.07 -1.02	11.44 0.04 -1.05	13.74 0.05 -0.50
BEEBEE_GT_13 23619	18.43 0.06 -0.01	15.87 0.15 -0.62	15.33 0.19 -0.38	15.07 0.19 -0.45	15.26 0.20 -0.56	16.17 0.26 -1.21	25.55 0.27 -0.74	29.25 0.19 -2.55	25.55 0.35 -2.18	25.29 0.45 -0.05	23.63 0.40 0.00	22.53 0.40 0.00	21.44 0.32 -0.05	19.97 0.27 -0.58	19.45 0.29 -0.78	21.53 0.36 -0.24	23.26 0.37 -1.14	25.42 0.29 -2.91	26.23 0.32 -6.23	29.79 0.44 -1.91	22.33 0.41 -2.27	16.87 0.38 -2.83	13.56 0.30 -2.91	15.00 0.41 -1.40
BENSHRST_27_KV_BENSHRST_1 355998	19.64 1.23 -0.04	18.65 1.01 -2.53	17.22 0.92 -1.54	17.20 0.91 -1.86	17.73 0.94 -2.30	20.54 0.90 -4.94	29.31 1.67 -3.10	38.89 1.99 -10.39	33.78 1.75 -9.00	27.01 1.91 -0.31	25.25 1.88 -0.13	24.15 1.93 -0.09	23.30 1.94 -0.30	23.30 1.70 -2.47	23.30 1.64 -3.28	23.72 1.70 -1.09	28.16 1.72 -4.69	36.13 1.69 -12.23	47.64 1.56 -26.39	37.73 1.95 -8.34	30.65 1.45 -9.55	26.25 0.90 -11.69	23.10 0.78 -11.97	19.88 0.94 -5.76
BETHLEHEM___GRP 23843	18.73 0.33 -0.03	18.40 0.26 -3.04	16.92 0.31 -1.85	16.94 0.27 -2.24	17.52 0.26 -2.76	20.88 0.25 -5.94	28.71 0.52 -3.66	39.52 0.45 -12.57	34.02 0.37 -10.63	25.43 0.45 -0.19	23.51 0.37 0.09	22.42 0.33 0.04	21.63 0.36 -0.21	22.23 0.33 -2.78	22.49 0.31 -3.80	22.51 0.38 -1.20	27.74 0.39 -5.60	36.66 0.49 -13.95	49.72 0.45 -29.58	36.88 0.63 -8.80	30.94 0.47 -10.82	27.73 0.30 -13.77	24.90 0.21 -14.34	20.36 0.26 -6.91
BETHLEHEM___GS1 323560	18.73 0.33 -0.03	18.40 0.26 -3.04	16.89 0.28 -1.85	16.94 0.27 -2.24	17.52 0.26 -2.76	20.88 0.25 -5.94	28.72 0.52 -3.66	39.53 0.45 -12.57	34.02 0.37 -10.63	25.43 0.45 -0.19	23.51 0.37 0.09	22.44 0.35 0.04	21.63 0.36 -0.21	22.23 0.32 -2.78	22.49 0.31 -3.80	22.51 0.38 -1.20	27.75 0.39 -5.60	36.71 0.49 -14.00	49.85 0.45 -29.71	36.95 0.63 -8.87	30.98 0.47 -10.86	27.75 0.30 -13.79	24.90 0.21 -14.34	20.36 0.26 -6.91
BETHLEHEM___GS2 323561	18.73 0.33 -0.03	18.40 0.26 -3.04	16.89 0.28 -1.85	16.94 0.27 -2.24	17.52 0.26 -2.76	20.88 0.25 -5.94	28.72 0.52 -3.66	39.53 0.45 -12.57	34.02 0.37 -10.63	25.43 0.45 -0.19	23.51 0.37 0.09	22.44 0.35 0.04	21.63 0.36 -0.21	22.23 0.32 -2.78	22.49 0.31 -3.80	22.51 0.38 -1.20	27.75 0.39 -5.60	36.71 0.49 -14.00	49.85 0.45 -29.71	36.95 0.63 -8.87	30.98 0.47 -10.86	27.75 0.30 -13.79	24.90 0.21 -14.34	20.36 0.26 -6.91
BETHLEHEM___GS3 323562	18.73 0.33 -0.03	18.40 0.26 -3.04	16.89 0.28 -1.85	16.94 0.27 -2.24	17.52 0.26 -2.76	20.88 0.25 -5.94	28.72 0.52 -3.66	39.53 0.45 -12.57	34.02 0.37 -10.63	25.43 0.45 -0.19	23.51 0.37 0.09	22.44 0.35 0.04	21.63 0.36 -0.21	22.23 0.32 -2.78	22.49 0.31 -3.80	22.51 0.38 -1.20	27.75 0.39 -5.60	36.71 0.49 -14.00	49.85 0.45 -29.71	36.95 0.63 -8.87	30.98 0.47 -10.86	27.75 0.30 -13.79	24.90 0.21 -14.34	20.36 0.26 -6.91
BETHLEHEM___STEEL 23779	18.52 0.15 -0.01	15.81 -0.03 -0.74	15.29 0.07 -0.45	15.06 0.09 -0.54	15.21 0.04 -0.67	16.23 0.09 -1.44	25.18 -0.25 -0.89	29.00 -0.56 -3.05	25.36 -0.28 -2.61	24.90 0.05 -0.06	23.70 0.46 0.00	22.64 0.51 0.00	21.19 0.06 -0.06	19.80 -0.02 -0.69	19.31 0.00 -0.93	21.16 -0.06 -0.29	22.96 -0.15 -1.36	25.37 -0.33 -3.48	26.92 -0.22 -7.45	29.43 -0.30 -2.28	22.38 0.02 -2.71	17.30 0.26 -3.39	14.08 0.25 -3.48	15.19 0.33 -1.68
BETHLHEM_115KV_TB1 79974	18.80 0.40 -0.03	18.46 0.32 -3.04	16.96 0.35 -1.85	17.00 0.33 -2.24	17.57 0.32 -2.76	20.93 0.29 -5.94	28.79 0.59 -3.66	39.63 0.56 -12.57	34.14 0.48 -10.63	25.53 0.55 -0.19	23.61 0.46 0.09	22.53 0.44 0.04	21.72 0.44 -0.21	22.31 0.40 -2.78	22.59 0.40 -3.80	22.60 0.46 -1.20	27.83 0.48 -5.60	36.75 0.56 -13.98	49.85 0.51 -29.65	37.00 0.71 -8.84	31.02 0.53 -10.84	27.78 0.34 -13.78	24.93 0.24 -14.34	20.41 0.32 -6.91
BETHPAGE_CC_5 323564	22.42 1.67 -2.39	20.16 1.37 -3.68	18.85 1.33 -2.75	18.40 1.28 -2.68	18.94 1.30 -3.14	23.28 1.31 -7.27	33.64 2.31 -6.80	39.37 2.41 -10.46	34.40 2.21 -9.17	29.72 2.50 -2.42	27.94 2.32 -2.38	27.07 2.30 -2.64	25.64 2.19 -2.38	27.11 1.97 -6.01	27.34 1.89 -7.07	29.02 2.09 -5.99	30.23 2.07 -6.41	37.50 1.89 -13.39	48.84 1.75 -27.40	40.73 2.36 -10.93	32.62 1.79 -11.19	31.12 1.19 -16.28	29.33 0.99 -17.99	22.70 1.27 -8.25
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	18.56 0.18 -0.01	15.79 -0.06 -0.74	15.26 0.04 -0.45	15.04 0.06 -0.55	15.18 0.01 -0.67	16.21 0.06 -1.45	25.16 -0.27 -0.89	29.02 -0.56 -3.07	25.35 -0.30 -2.63	24.93 0.07 -0.06	23.77 0.53 0.00	22.71 0.58 0.00	21.19 0.06 -0.06	19.78 -0.04 -0.69	19.28 -0.04 -0.94	21.14 -0.08 -0.29	22.93 -0.20 -1.37	25.37 -0.36 -3.50	26.95 -0.24 -7.49	29.41 -0.33 -2.30	22.37 0.00 -2.73	17.31 0.25 -3.41	14.08 0.23 -3.50	15.18 0.30 -1.69
BINGHAMTON___COGEN 23790	18.89 0.51 -0.01	16.58 0.35 -1.13	15.80 0.35 -0.69	15.62 0.36 -0.83	15.88 0.36 -1.03	17.27 0.37 -2.21	26.51 0.61 -1.36	31.86 0.69 -4.67	27.64 0.62 -3.99	25.66 0.77 -0.09	24.07 0.84 0.00	22.93 0.80 0.00	21.79 0.63 -0.09	20.70 0.52 -1.05	20.32 0.51 -1.43	21.99 0.61 -0.45	24.45 0.61 -2.08	28.14 0.60 -5.32	31.63 0.55 -11.39	31.76 0.82 -3.49	24.44 0.65 -4.14	19.30 0.46 -5.17	16.04 0.36 -5.32	16.24 0.49 -2.57
BIXINCNT_115KV_LOAD 355685	18.58 0.20 -0.01	15.66 -0.21 -0.76	15.12 -0.10 -0.46	14.86 -0.13 -0.56	15.03 -0.16 -0.69	16.07 -0.12 -1.49	24.97 -0.49 -0.92	28.92 -0.74 -3.16	25.24 -0.48 -2.70	24.71 -0.15 -0.06	23.86 0.63 0.00	22.80 0.66 0.00	21.03 -0.11 -0.06	19.59 -0.25 -0.71	19.05 -0.29 -0.96	20.86 -0.38 -0.30	22.73 -0.44 -1.41	25.29 -0.53 -3.60	27.00 -0.39 -7.70	29.23 -0.58 -2.36	22.21 -0.24 -2.80	17.20 0.04 -3.50	14.02 0.06 -3.60	15.00 0.08 -1.74



BLACK RIVER___HYD 24047	18.35 -0.02 0.00	15.37 -0.03 -0.30	14.88 -0.06 -0.18	14.59 -0.06 -0.22	14.76 0.00 -0.27	15.30 0.03 -0.58	25.59 0.66 -0.39	28.71 0.87 -1.33	24.60 0.44 -1.14	25.04 0.22 -0.03	23.40 0.16 0.00	22.13 0.00 0.00	21.07 -0.02 -0.03	19.37 -0.06 -0.30	18.75 -0.04 -0.41	21.10 0.04 -0.13	22.46 0.11 -0.59	24.05 0.31 -1.52	23.33 0.39 -3.25	29.15 0.71 -0.99	21.28 0.45 -1.18	15.42 0.29 -1.47	12.06 0.20 -1.52	14.18 0.26 -0.73
BLACKRVR_115KV_TB2 79977	18.35 -0.02 0.00	15.37 -0.03 -0.30	14.88 -0.06 -0.18	14.59 -0.06 -0.22	14.76 0.00 -0.27	15.30 0.03 -0.58	25.56 0.66 -0.36	28.60 0.87 -1.22	24.51 0.44 -1.04	25.04 0.22 -0.02	23.40 0.16 0.00	22.13 0.00 0.00	21.07 -0.02 -0.02	19.34 -0.06 -0.28	18.71 -0.04 -0.37	21.09 0.04 -0.12	22.41 0.11 -0.54	23.92 0.31 -1.39	23.06 0.39 -2.97	29.07 0.71 -0.91	21.18 0.45 -1.08	15.30 0.29 -1.35	11.94 0.20 -1.39	14.12 0.26 -0.67
BLISS_WT_PWR 323608	18.52 0.15 -0.01	15.61 -0.26 -0.76	15.09 -0.13 -0.46	14.82 -0.17 -0.56	14.98 -0.20 -0.69	16.01 -0.18 -1.49	24.90 -0.56 -0.93	28.89 -0.79 -3.18	25.19 -0.55 -2.72	24.63 -0.22 -0.06	23.82 0.58 0.00	22.77 0.64 0.00	20.99 -0.15 -0.06	19.54 -0.31 -0.72	18.98 -0.37 -0.97	20.78 -0.46 -0.30	22.67 -0.50 -1.42	25.27 -0.58 -3.63	27.01 -0.43 -7.76	29.19 -0.63 -2.38	22.19 -0.28 -2.82	17.18 0.00 -3.53	14.00 0.02 -3.63	14.96 0.03 -1.75
BLUESTONE___WT_PWR 323821	19.59 1.21 -0.01	17.27 0.92 -1.24	16.40 0.89 -0.76	16.21 0.87 -0.92	16.55 0.93 -1.13	18.08 0.95 -2.43	27.96 1.92 -1.50	33.89 2.23 -5.16	29.09 1.66 -4.41	26.56 1.66 -0.10	24.86 1.63 0.00	23.55 1.42 0.00	22.41 1.24 -0.10	21.34 1.05 -1.16	21.02 1.07 -1.58	22.77 1.34 -0.49	25.49 1.44 -2.30	29.72 1.62 -5.88	33.75 1.48 -12.58	33.50 2.20 -3.86	25.78 1.55 -4.58	20.40 1.02 -5.72	16.98 0.75 -5.88	17.00 0.98 -2.84
BLUE_CIRC_CHEM_DRP 24182	19.06 0.66 -0.03	18.63 0.53 -3.00	17.13 0.55 -1.82	17.17 0.53 -2.21	17.72 0.51 -2.72	21.06 0.51 -5.85	29.10 0.96 -3.61	39.85 0.95 -12.39	34.37 0.83 -10.52	25.92 0.92 -0.21	23.99 0.81 0.06	22.88 0.77 0.03	22.03 0.74 -0.22	22.55 0.67 -2.76	22.80 0.66 -3.76	22.89 0.77 -1.19	28.08 0.80 -5.52	36.95 0.84 -13.89	50.00 0.77 -29.54	37.43 1.10 -8.89	31.22 0.79 -10.78	27.79 0.51 -13.63	24.84 0.36 -14.13	20.47 0.47 -6.81
BOC_GAS_DRP 24189	18.99 0.59 -0.03	18.63 0.48 -3.04	17.08 0.47 -1.84	17.13 0.46 -2.24	17.72 0.46 -2.76	21.08 0.46 -5.93	29.03 0.83 -3.66	39.94 0.87 -12.55	34.45 0.76 -10.67	25.85 0.84 -0.22	23.97 0.79 0.05	22.86 0.75 0.03	22.03 0.74 -0.23	22.57 0.65 -2.80	22.82 0.62 -3.81	22.85 0.71 -1.20	28.09 0.74 -5.60	37.05 0.73 -14.10	50.34 0.65 -30.00	37.39 0.91 -9.04	31.27 0.67 -10.95	27.91 0.42 -13.82	25.00 0.32 -14.32	20.50 0.41 -6.90
BOONVILLE_115KV_TB1 79983	18.64 0.28 0.00	15.48 0.21 -0.17	15.04 0.18 -0.10	14.73 0.17 -0.12	14.86 0.22 -0.15	15.25 0.24 -0.32	25.30 0.56 -0.20	27.90 0.72 -0.68	24.05 0.44 -0.58	25.15 0.35 -0.01	23.56 0.33 0.00	22.35 0.22 0.00	21.27 0.19 -0.01	19.41 0.13 -0.15	18.73 0.15 -0.21	21.21 0.21 -0.07	22.32 0.26 -0.30	23.37 0.38 -0.78	21.73 0.37 -1.66	28.56 0.60 -0.51	20.65 0.39 -0.61	14.67 0.26 -0.76	11.31 0.18 -0.78	13.78 0.22 -0.37
BORALEX_4TH_BRANCH 23824	19.30 0.90 -0.03	18.87 0.76 -3.01	17.34 0.75 -1.82	17.38 0.74 -2.21	17.98 0.75 -2.73	21.37 0.81 -5.87	29.56 1.40 -3.62	40.41 1.48 -12.42	34.56 1.24 -10.29	26.21 1.34 -0.08	24.14 1.16 0.25	23.14 1.13 0.12	22.22 1.03 -0.12	22.71 0.94 -2.64	22.97 0.90 -3.69	23.19 1.07 -1.19	28.44 1.17 -5.51	36.54 1.20 -13.12	48.13 1.08 -27.36	36.57 1.45 -7.67	30.81 1.06 -10.11	27.64 0.66 -13.32	25.02 0.50 -14.17	20.65 0.63 -6.83
BOWLINE___1 23526	19.46 1.06 -0.03	18.26 0.85 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.39 0.80 -2.10	19.95 0.75 -4.51	28.67 1.35 -2.78	37.64 1.59 -9.54	32.69 1.40 -8.26	26.57 1.54 -0.24	24.80 1.49 -0.07	23.65 1.48 -0.03	22.73 1.43 -0.23	22.61 1.28 -2.20	22.55 1.23 -2.95	23.21 1.36 -0.91	27.40 1.37 -4.28	34.76 1.36 -11.19	45.08 1.26 -24.13	36.69 1.65 -7.60	29.60 1.22 -8.74	25.16 0.79 -10.71	21.87 0.63 -10.89	19.23 0.79 -5.25
BOWLINE___2 23595	19.46 1.06 -0.03	18.26 0.85 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.39 0.80 -2.10	19.95 0.75 -4.51	28.69 1.37 -2.78	37.64 1.59 -9.55	32.69 1.40 -8.26	26.57 1.54 -0.24	24.80 1.49 -0.07	23.65 1.48 -0.03	22.73 1.43 -0.23	22.63 1.30 -2.20	22.55 1.23 -2.95	23.21 1.36 -0.91	27.40 1.37 -4.28	34.79 1.38 -11.19	45.08 1.26 -24.13	36.69 1.65 -7.60	29.60 1.22 -8.74	25.16 0.79 -10.71	21.87 0.63 -10.89	19.23 0.79 -5.25
BRADY___115KV_TB2 356060	18.22 -0.15 0.00	15.05 -0.11 -0.05	14.68 -0.12 -0.03	14.35 -0.12 -0.04	14.41 -0.13 -0.05	14.66 -0.13 -0.10	24.43 -0.17 -0.06	26.58 -0.13 -0.21	22.97 -0.23 -0.18	24.38 -0.42 0.00	22.77 -0.46 0.00	21.60 -0.53 0.00	20.59 -0.48 0.00	18.75 -0.42 -0.05	18.04 -0.40 -0.06	20.49 -0.46 -0.02	21.41 -0.44 -0.09	22.08 -0.38 -0.24	19.88 -0.32 -0.51	27.19 -0.41 -0.16	19.46 -0.37 -0.18	13.63 -0.26 -0.23	10.38 -0.21 -0.24	13.02 -0.28 -0.11
BRANSCOMB___SOLAR 323811	19.28 0.88 -0.04	18.92 0.71 -3.11	17.34 0.69 -1.89	17.41 0.69 -2.29	18.04 0.72 -2.82	21.53 0.76 -6.07	29.75 1.47 -3.74	41.03 1.67 -12.85	35.27 1.38 -10.86	26.45 1.46 -0.19	24.44 1.30 0.09	23.30 1.22 0.04	22.33 1.05 -0.21	22.94 0.97 -2.84	23.20 0.94 -3.89	23.27 1.11 -1.23	28.59 1.11 -5.72	37.78 1.27 -14.29	51.21 1.20 -30.32	38.19 1.70 -9.04	31.93 1.20 -11.08	28.51 0.76 -14.09	25.55 0.54 -14.66	20.94 0.69 -7.06
BRENTWOD_69_KV_W. BRTWOOD 56703	22.66 1.91 -2.39	20.34 1.56 -3.68	19.02 1.51 -2.75	18.59 1.47 -2.68	19.12 1.49 -3.14	23.47 1.50 -7.27	34.64 2.58 -7.53	39.99 2.65 -10.84	34.76 2.49 -9.25	31.64 2.90 -3.95	28.33 2.70 -2.40	27.40 2.61 -2.65	25.93 2.49 -2.38	27.41 2.26 -6.03	28.45 2.19 -7.88	30.28 2.43 -6.92	32.18 2.44 -7.99	45.05 2.00 -20.83	55.23 1.81 -33.73	57.35 2.47 -27.44	43.18 1.93 -21.60	38.83 1.41 -23.76	30.86 1.14 -19.38	25.17 1.48 -10.50
BRISTLHL_115KV_TB1 79998	18.26 -0.11 -0.01	15.48 -0.09 -0.47	14.97 -0.07 -0.28	14.70 -0.07 -0.34	14.86 -0.06 -0.42	15.56 -0.04 -0.91	25.71 0.61 -0.56	29.20 0.77 -1.93	25.29 0.62 -1.65	25.53 0.69 -0.04	23.89 0.65 0.00	22.73 0.60 0.00	21.63 0.53 -0.04	20.02 0.46 -0.43	19.41 0.44 -0.59	21.68 0.57 -0.18	23.20 0.59 -0.86	25.04 0.62 -2.20	24.96 0.57 -4.70	29.76 0.88 -1.44	22.03 0.67 -1.71	16.23 0.44 -2.14	12.88 0.33 -2.20	14.68 0.44 -1.06
BROOKHAVEN___DRP 24191	22.86 2.11 -2.39	20.51 1.72 -3.68	19.19 1.67 -2.75	18.75 1.63 -2.68	19.28 1.65 -3.14	23.63 1.66 -7.27	37.77 2.92 -10.31	41.81 3.00 -12.31	36.19 2.79 -10.38	37.74 3.20 -9.75	28.65 2.95 -2.46	27.72 2.88 -2.71	26.16 2.72 -2.38	27.70 2.49 -6.09	31.75 2.41 -10.97	34.03 2.68 -10.42	38.42 2.68 -13.99	73.74 2.40 -49.13	79.70 2.19 -57.83	120.63 2.99 -90.19	83.14 2.30 -61.20	67.45 1.57 -52.22	36.28 1.27 -24.65	33.89 1.64 -19.07



BROOKLYN_NAVY_YARD 23515	19.51 1.10 -0.04	18.51 0.88 -2.53	17.15 0.84 -1.54	17.10 0.81 -1.86	17.63 0.84 -2.30	20.44 0.82 -4.92	29.11 1.47 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.84 1.73 -0.31	25.06 1.72 -0.10	23.91 1.73 -0.06	23.02 1.69 -0.27	23.06 1.51 -2.42	23.02 1.42 -3.23	23.48 1.53 -1.02	27.94 1.52 -4.67	35.96 1.51 -12.23	47.49 1.40 -26.40	37.57 1.78 -8.34	30.54 1.34 -9.55	26.16 0.81 -11.70	22.99 0.66 -11.97	19.79 0.84 -5.76
BROOKLYN___ARMY_DRP 323595	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
BROOKVLE_69_KV_TB1 55790	22.28 1.52 -2.39	20.02 1.24 -3.68	18.71 1.20 -2.75	18.28 1.17 -2.68	18.82 1.19 -3.14	23.15 1.18 -7.27	33.33 2.11 -6.68	39.23 2.33 -10.39	34.12 2.10 -9.00	29.30 2.33 -2.18	27.85 2.23 -2.38	26.96 2.19 -2.63	25.55 2.11 -2.38	27.03 1.89 -6.01	27.12 1.80 -6.94	28.75 1.97 -5.85	29.93 2.02 -6.16	36.36 1.91 -12.23	47.86 1.77 -26.39	38.14 2.36 -8.34	30.97 1.77 -9.55	29.92 1.16 -15.10	29.04 0.92 -17.77	22.26 1.17 -7.90
BROOME_2_LFGE 323671	18.89 0.51 -0.01	16.58 0.35 -1.13	15.82 0.37 -0.69	15.62 0.36 -0.83	15.88 0.36 -1.03	17.27 0.37 -2.21	26.52 0.61 -1.36	31.88 0.69 -4.68	27.65 0.62 -4.00	25.66 0.77 -0.09	24.07 0.84 0.00	22.93 0.80 0.00	21.79 0.63 -0.09	20.70 0.52 -1.06	20.32 0.51 -1.43	21.99 0.61 -0.45	24.45 0.61 -2.09	28.16 0.60 -5.34	31.67 0.55 -11.43	31.77 0.82 -3.50	24.45 0.65 -4.16	19.32 0.46 -5.19	16.06 0.36 -5.34	16.25 0.49 -2.58
BROOME___LFGE 323600	18.89 0.51 -0.01	16.58 0.35 -1.13	15.82 0.37 -0.69	15.62 0.36 -0.83	15.88 0.36 -1.03	17.27 0.37 -2.21	26.52 0.61 -1.36	31.88 0.69 -4.68	27.65 0.62 -4.00	25.66 0.77 -0.09	24.07 0.84 0.00	22.93 0.80 0.00	21.79 0.63 -0.09	20.70 0.52 -1.06	20.32 0.51 -1.43	21.99 0.61 -0.45	24.45 0.61 -2.09	28.16 0.60 -5.34	31.67 0.55 -11.43	31.77 0.82 -3.50	24.45 0.65 -4.16	19.32 0.46 -5.19	16.06 0.36 -5.34	16.25 0.49 -2.58
BROWNFLS_115KV_TB_3_5 80003	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.64 -0.21 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.69 -0.02 -0.17	27.15 0.05 -0.60	23.42 -0.12 -0.51	24.43 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.76 -0.50 -0.13	18.08 -0.48 -0.18	20.49 -0.50 -0.06	21.52 -0.50 -0.27	22.50 -0.40 -0.68	20.83 -0.32 -1.45	27.53 -0.36 -0.44	19.86 -0.31 -0.53	14.14 -0.18 -0.66	10.91 -0.12 -0.68	13.34 -0.17 -0.33
BROWNSV1_27_KV_LOAD 356125	19.67 1.27 -0.04	18.66 1.03 -2.53	17.28 0.97 -1.54	17.25 0.95 -1.86	17.76 0.97 -2.30	20.59 0.96 -4.94	29.40 1.77 -3.10	38.99 2.09 -10.39	33.91 1.89 -9.00	27.13 2.03 -0.31	25.37 2.00 -0.13	24.22 1.99 -0.09	23.32 1.96 -0.30	23.34 1.74 -2.47	23.30 1.64 -3.28	23.78 1.76 -1.09	28.22 1.78 -4.68	36.18 1.73 -12.23	47.68 1.59 -26.39	37.87 2.09 -8.34	30.73 1.53 -9.55	26.31 0.96 -11.69	23.10 0.78 -11.97	19.92 0.98 -5.76
BURROWS___LYONSDAL 23803	18.55 0.18 0.00	15.43 0.15 -0.17	14.99 0.12 -0.11	14.67 0.12 -0.13	14.81 0.16 -0.16	15.21 0.18 -0.34	25.26 0.52 -0.21	27.88 0.66 -0.71	24.00 0.37 -0.61	25.08 0.27 -0.01	23.47 0.23 0.00	22.24 0.11 0.00	21.17 0.08 -0.01	19.35 0.06 -0.16	18.65 0.06 -0.22	21.13 0.13 -0.07	22.25 0.17 -0.32	23.32 0.29 -0.82	21.75 0.32 -1.74	28.50 0.52 -0.53	20.62 0.33 -0.63	14.67 0.22 -0.79	11.31 0.14 -0.82	13.78 0.20 -0.39
CAITHNESS_CC_1 323624	22.79 2.04 -2.39	20.46 1.68 -3.68	19.14 1.62 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.57 1.60 -7.27	37.70 2.85 -10.32	41.71 2.89 -12.32	39.62 2.69 -13.90	37.67 3.10 -9.77	28.58 2.88 -2.46	27.63 2.79 -2.71	26.11 2.65 -2.39	27.63 2.41 -6.09	31.69 2.33 -10.98	33.97 2.60 -10.44	38.36 2.59 -14.02	73.78 2.31 -49.25	79.75 2.11 -57.95	120.78 2.85 -90.48	83.25 2.22 -61.38	67.52 1.52 -52.35	36.26 1.23 -24.68	33.89 1.59 -19.11
CALPINE BETH_PAGE_GT4 24209	22.42 1.67 -2.39	20.14 1.36 -3.68	18.82 1.30 -2.75	18.38 1.27 -2.68	18.92 1.29 -3.14	23.26 1.29 -7.27	33.54 2.23 -6.77	39.30 2.36 -10.44	34.17 2.14 -9.00	29.58 2.43 -2.36	27.87 2.25 -2.38	26.98 2.21 -2.64	25.57 2.13 -2.38	27.05 1.91 -6.01	27.23 1.82 -7.04	28.90 2.01 -5.95	30.05 1.96 -6.34	37.11 1.80 -13.09	48.48 1.65 -27.13	39.95 2.25 -10.26	32.12 1.71 -10.76	30.75 1.12 -15.97	29.24 0.96 -17.93	22.57 1.23 -8.16
CALPINE_BETH_PAGE_GT_4 323586	22.42 1.67 -2.39	20.14 1.36 -3.68	18.83 1.31 -2.75	18.39 1.27 -2.68	18.92 1.29 -3.14	23.26 1.29 -7.27	33.54 2.23 -6.77	39.31 2.36 -10.44	34.29 2.14 -9.13	29.56 2.40 -2.36	27.87 2.25 -2.38	27.00 2.23 -2.64	25.57 2.13 -2.38	27.05 1.91 -6.01	27.24 1.82 -7.04	28.90 2.01 -5.95	30.05 1.96 -6.34	37.11 1.80 -13.10	48.49 1.65 -27.14	39.96 2.25 -10.27	32.13 1.71 -10.77	30.76 1.12 -15.98	29.25 0.96 -17.93	22.57 1.23 -8.16
CALPINE_BP_GT1 23823	22.42 1.67 -2.39	20.14 1.36 -3.68	18.83 1.31 -2.75	18.39 1.27 -2.68	18.92 1.29 -3.14	23.26 1.29 -7.27	33.54 2.23 -6.77	39.31 2.36 -10.44	34.29 2.14 -9.13	29.56 2.40 -2.36	27.87 2.25 -2.38	27.00 2.23 -2.64	25.57 2.13 -2.38	27.05 1.91 -6.01	27.24 1.82 -7.04	28.90 2.01 -5.95	30.05 1.96 -6.34	37.11 1.80 -13.10	48.49 1.65 -27.14	39.96 2.25 -10.27	32.13 1.71 -10.77	30.76 1.12 -15.98	29.25 0.96 -17.93	22.57 1.23 -8.16
CALSPAN___DRP 24200	18.52 0.15 -0.01	15.81 -0.03 -0.74	15.29 0.07 -0.45	15.06 0.09 -0.54	15.21 0.04 -0.67	16.23 0.09 -1.44	25.18 -0.25 -0.89	29.00 -0.56 -3.05	25.36 -0.28 -2.61	24.90 0.05 -0.06	23.70 0.46 0.00	22.64 0.51 0.00	21.19 0.06 -0.06	19.80 -0.02 -0.69	19.31 0.00 -0.93	21.16 -0.06 -0.29	22.96 -0.15 -1.36	25.37 -0.33 -3.48	26.92 -0.22 -7.45	29.43 -0.30 -2.28	22.38 0.02 -2.71	17.30 0.26 -3.39	14.08 0.25 -3.48	15.19 0.33 -1.68
CALVERTON___SOLAR 323806	22.94 2.18 -2.39	20.57 1.78 -3.68	19.26 1.74 -2.75	18.80 1.69 -2.68	19.34 1.71 -3.14	23.69 1.72 -7.27	37.89 3.04 -10.30	41.94 3.13 -12.31	39.78 2.88 -13.88	37.83 3.30 -9.74	28.74 3.04 -2.46	27.81 2.97 -2.71	26.26 2.80 -2.39	27.78 2.56 -6.09	31.82 2.48 -10.97	34.11 2.76 -10.42	38.53 2.78 -13.99	73.85 2.53 -49.10	79.79 2.28 -57.82	120.72 3.13 -90.14	83.21 2.40 -61.17	67.49 1.64 -52.19	36.33 1.33 -24.65	33.95 1.70 -19.07
CANDIGU_WT_PWR 323617	18.76 0.39 -0.01	16.16 0.18 -0.88	15.55 0.25 -0.53	15.32 0.25 -0.65	15.52 0.23 -0.80	16.66 0.25 -1.71	25.87 0.27 -1.06	30.39 0.24 -3.65	26.44 0.30 -3.12	25.44 0.57 -0.07	24.05 0.81 0.00	22.93 0.80 0.00	21.58 0.44 -0.07	20.25 0.31 -0.82	19.77 0.28 -1.11	21.62 0.33 -0.35	23.69 0.30 -1.63	26.62 0.24 -4.16	28.84 0.26 -8.89	30.55 0.38 -2.73	23.28 0.39 -3.24	18.06 0.35 -4.04	14.79 0.28 -4.16	15.59 0.40 -2.00



CARR STREET_E_SYR 24060	18.43 0.06 -0.01	15.69 0.05 -0.54	15.15 0.06 -0.33	14.88 0.06 -0.40	15.05 0.07 -0.49	15.83 0.09 -1.05	25.38 0.17 -0.66	28.99 0.21 -2.28	25.15 0.18 -1.95	25.09 0.25 -0.05	23.47 0.23 0.00	22.35 0.22 0.00	21.30 0.19 -0.05	19.79 0.15 -0.51	19.24 0.17 -0.70	21.36 0.21 -0.22	22.99 0.22 -1.02	25.01 0.20 -2.60	25.44 0.20 -5.55	29.45 0.30 -1.70	21.94 0.27 -2.02	16.39 0.21 -2.52	13.10 0.16 -2.60	14.65 0.21 -1.25
CARTHAGE___PAPER 23857	18.26 -0.11 0.00	15.27 -0.09 -0.26	14.79 -0.13 -0.16	14.49 -0.13 -0.19	14.64 -0.09 -0.24	15.15 -0.06 -0.51	25.30 0.42 -0.34	28.26 0.58 -1.17	24.26 0.23 -1.00	24.82 0.00 -0.02	23.17 -0.07 0.00	21.93 -0.20 0.00	20.88 -0.21 -0.02	19.18 -0.21 -0.26	18.53 -0.20 -0.36	20.88 -0.17 -0.11	22.17 -0.11 -0.52	23.64 0.09 -1.33	22.72 0.18 -2.85	28.68 0.36 -0.87	20.88 0.20 -1.04	15.08 0.12 -1.30	11.76 0.07 -1.33	13.93 0.10 -0.64
CASSADAGA_WT_PWR 323784	18.71 0.33 -0.01	15.87 0.00 -0.76	15.33 0.10 -0.46	15.07 0.07 -0.56	15.24 0.06 -0.69	16.30 0.12 -1.49	25.32 -0.15 -0.92	29.34 -0.35 -3.17	25.55 -0.19 -2.71	25.08 0.22 -0.06	23.98 0.74 0.00	22.91 0.77 0.00	21.30 0.17 -0.06	19.86 0.02 -0.72	19.33 -0.02 -0.97	21.20 -0.04 -0.30	23.04 -0.13 -1.42	25.55 -0.29 -3.62	27.24 -0.20 -7.75	29.49 -0.33 -2.37	22.35 -0.12 -2.82	17.32 0.14 -3.52	14.08 0.10 -3.62	15.08 0.15 -1.75
CE_DUNWOOD___DRP 24194	19.53 1.14 -0.03	18.54 0.92 -2.51	17.16 0.87 -1.52	17.13 0.85 -1.85	17.64 0.87 -2.28	20.47 0.87 -4.90	29.13 1.57 -3.02	38.66 1.78 -10.38	33.60 1.59 -8.99	26.82 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.94 1.62 -0.25	22.98 1.45 -2.40	22.96 1.38 -3.21	23.43 1.51 -0.99	27.92 1.52 -4.65	35.89 1.47 -12.21	47.40 1.36 -26.35	37.55 1.78 -8.32	30.52 1.34 -9.54	26.18 0.86 -11.66	22.87 0.68 -11.84	19.76 0.87 -5.71
CE_MILLWOOD___DRP 24193	19.50 1.10 -0.03	18.51 0.91 -2.50	17.14 0.86 -1.52	17.11 0.84 -1.84	17.62 0.86 -2.27	20.41 0.84 -4.88	29.07 1.52 -3.01	38.55 1.72 -10.32	33.51 1.54 -8.94	26.75 1.69 -0.27	24.95 1.63 -0.09	23.81 1.64 -0.04	22.88 1.56 -0.25	22.91 1.40 -2.38	22.91 1.34 -3.19	23.39 1.47 -0.99	27.85 1.48 -4.62	35.78 1.42 -12.14	47.21 1.32 -26.20	37.45 1.73 -8.28	30.43 1.30 -9.48	26.09 0.83 -11.60	22.79 0.66 -11.77	19.70 0.84 -5.67
CE_NYC2_DRP 24202	19.49 1.08 -0.04	18.54 0.91 -2.53	17.13 0.83 -1.54	17.10 0.81 -1.86	17.63 0.84 -2.30	20.43 0.79 -4.94	29.11 1.47 -3.10	38.73 1.83 -10.39	33.61 1.59 -9.00	26.84 1.74 -0.31	25.09 1.72 -0.13	24.00 1.77 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.28	23.55 1.53 -1.09	27.98 1.54 -4.69	35.93 1.49 -12.23	47.46 1.38 -26.39	37.51 1.73 -8.34	30.47 1.28 -9.55	26.15 0.79 -11.69	23.00 0.67 -11.97	19.77 0.83 -5.76
CE_NYC_DRP 24195	19.41 1.18 0.13	18.47 0.95 -2.42	17.18 0.90 -1.52	17.15 0.88 -1.84	17.65 0.91 -2.24	20.28 0.88 -4.71	28.47 1.62 -2.31	37.52 1.93 -9.07	32.75 1.73 -8.00	26.39 1.86 0.26	24.79 1.86 0.30	23.72 1.86 0.27	22.87 1.81 0.01	22.88 1.61 -2.15	22.93 1.53 -3.03	23.37 1.63 -0.81	27.51 1.63 -4.12	34.96 1.58 -11.16	45.74 1.46 -24.59	36.51 1.89 -7.17	29.89 1.41 -8.83	25.77 0.87 -11.24	22.73 0.70 -11.67	19.74 0.91 -5.64
CHAFFEE___LFGE 323603	18.54 0.16 -0.01	15.81 -0.05 -0.75	15.29 0.07 -0.46	15.04 0.06 -0.55	15.21 0.03 -0.68	16.24 0.07 -1.47	25.20 -0.25 -0.91	29.13 -0.50 -3.13	25.45 -0.25 -2.68	24.96 0.10 -0.06	23.79 0.56 0.00	22.71 0.57 0.00	21.22 0.08 -0.06	19.83 0.00 -0.71	19.33 0.00 -0.96	21.17 -0.06 -0.30	23.00 -0.15 -1.40	25.48 -0.31 -3.57	27.11 -0.22 -7.63	29.51 -0.27 -2.34	22.46 0.04 -2.78	17.40 0.27 -3.47	14.16 0.24 -3.57	15.24 0.33 -1.72
CHATEAUG_35_KV_LOAD 355732	18.31 -0.06 0.00	15.06 -0.05 0.00	14.69 -0.07 0.00	14.34 -0.09 0.00	14.36 -0.13 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.27 -0.24 0.00	22.84 -0.18 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.94 -0.13 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.85 -0.08 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.67 -0.02 0.00	27.34 -0.11 0.00	19.29 -0.35 0.00	13.29 -0.37 0.00	10.02 -0.33 0.00	12.67 -0.51 0.00
CHATEAUG_WT_PWR 323614	18.31 -0.05 0.00	15.06 -0.05 0.00	14.68 -0.09 0.00	14.34 -0.09 0.00	14.38 -0.12 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.29 -0.21 0.00	22.84 -0.19 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.96 -0.10 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.87 -0.06 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.65 -0.04 0.00	27.34 -0.11 0.00	19.31 -0.33 0.00	13.29 -0.37 0.00	10.03 -0.32 0.00	12.67 -0.51 0.00
CHAT_HIGH_FALL_HYD 323578	18.31 -0.05 0.00	15.06 -0.05 0.00	14.66 -0.10 0.00	14.34 -0.09 0.00	14.36 -0.13 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.27 -0.24 0.00	22.84 -0.19 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.94 -0.13 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.85 -0.08 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.67 -0.02 0.00	27.34 -0.11 0.00	19.29 -0.35 0.00	13.29 -0.37 0.00	10.02 -0.33 0.00	12.67 -0.51 0.00
CHAUTAUQUA___LFGE 323629	18.67 0.29 -0.01	15.92 0.06 -0.76	15.40 0.18 -0.46	15.15 0.16 -0.56	15.31 0.13 -0.69	16.35 0.18 -1.48	25.41 -0.05 -0.92	29.36 -0.29 -3.15	25.65 -0.07 -2.69	25.13 0.27 -0.06	23.96 0.72 0.00	22.86 0.73 0.00	21.38 0.25 -0.06	19.97 0.13 -0.71	19.47 0.13 -0.96	21.34 0.11 -0.30	23.18 0.02 -1.41	25.68 -0.13 -3.59	27.31 -0.06 -7.68	29.69 -0.11 -2.35	22.56 0.12 -2.79	17.46 0.31 -3.49	14.20 0.26 -3.59	15.28 0.37 -1.73
CHERRYST_13_KV_LD 356241	19.44 1.21 0.13	18.50 0.98 -2.42	17.21 0.93 -1.52	17.18 0.91 -1.84	17.68 0.94 -2.24	20.33 0.93 -4.71	28.54 1.69 -2.31	37.59 2.01 -9.07	32.82 1.80 -8.00	26.47 1.93 0.26	24.86 1.93 0.30	23.79 1.93 0.27	22.93 1.88 0.01	22.94 1.66 -2.15	22.98 1.58 -3.03	23.43 1.70 -0.81	27.57 1.70 -4.12	35.02 1.64 -11.16	45.80 1.52 -24.59	36.56 1.95 -7.17	29.93 1.45 -8.83	25.80 0.90 -11.24	22.76 0.73 -11.67	19.76 0.94 -5.64
CHESTROR_138KV_BK263 355645	19.38 0.99 -0.03	18.13 0.79 -2.24	16.88 0.75 -1.36	16.82 0.74 -1.65	17.25 0.72 -2.04	19.76 0.69 -4.38	28.49 1.25 -2.70	37.23 1.46 -9.27	32.30 1.27 -8.01	26.41 1.39 -0.23	24.63 1.32 -0.07	23.49 1.33 -0.03	22.57 1.29 -0.22	22.43 1.17 -2.13	22.34 1.10 -2.86	23.06 1.24 -0.89	27.14 1.24 -4.15	34.33 1.27 -10.85	44.22 1.14 -23.39	36.34 1.54 -7.35	29.24 1.12 -8.47	24.79 0.74 -10.39	21.50 0.58 -10.57	19.02 0.74 -5.10
CH_MIDHUDSON___DRP 24192	19.46 1.07 -0.03	18.49 0.85 -2.54	17.10 0.80 -1.54	17.09 0.79 -1.87	17.58 0.78 -2.30	20.40 0.75 -4.96	28.94 1.35 -3.05	38.53 1.54 -10.49	33.40 1.34 -9.04	26.50 1.46 -0.25	24.68 1.39 -0.06	23.55 1.39 -0.03	22.68 1.37 -0.24	22.73 1.20 -2.40	22.76 1.16 -3.23	23.21 1.28 -1.00	27.75 1.31 -4.69	35.72 1.31 -12.19	47.12 1.20 -26.23	37.23 1.59 -8.19	30.32 1.16 -9.51	26.14 0.75 -11.73	22.92 0.60 -11.96	19.72 0.76 -5.77



CH_MISC_IPPS 23765	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.94 1.42 -2.98	38.38 1.64 -10.23	33.28 1.43 -8.83	26.56 1.51 -0.25	24.72 1.42 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.94	46.74 1.34 -25.71	37.26 1.76 -8.06	30.22 1.26 -9.32	25.96 0.85 -11.45	22.67 0.65 -11.67	19.64 0.83 -5.62
CH_RES_BVR_FALLS 23983	18.15 -0.22 0.00	14.92 -0.18 0.00	14.57 -0.19 0.00	14.26 -0.17 0.00	14.30 -0.19 0.00	14.50 -0.19 0.00	24.22 -0.32 0.00	26.14 -0.37 0.00	22.70 -0.32 0.00	24.42 -0.37 0.00	22.86 -0.37 0.00	21.78 -0.35 0.00	20.75 -0.32 0.00	18.84 -0.29 0.00	18.10 -0.28 0.00	20.62 -0.31 0.00	21.43 -0.33 0.00	21.91 -0.31 0.00	19.40 -0.29 0.00	27.03 -0.41 0.00	19.31 -0.33 0.00	13.41 -0.25 0.00	10.17 -0.19 0.00	12.95 -0.24 0.00
CH_RES_NIAGARA 23895	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.96 -0.24 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.10 -1.35 -2.95	24.65 -0.90 -2.52	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.56 -0.28	22.37 -0.70 -1.32	24.65 -0.93 -3.36	26.09 -0.79 -7.19	28.55 -1.10 -2.20	21.81 -0.45 -2.62	16.87 -0.05 -3.27	13.73 0.02 -3.36	14.90 0.09 -1.62
CH_RES_SYRACUSE 23985	18.57 0.20 -0.01	15.84 0.17 -0.58	15.29 0.18 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.74 0.49 -0.71	29.57 0.61 -2.45	25.63 0.51 -2.09	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.08 0.40 -0.55	19.51 0.39 -0.75	21.65 0.48 -0.23	23.35 0.50 -1.09	25.52 0.51 -2.79	26.14 0.47 -5.98	29.99 0.71 -1.83	22.37 0.55 -2.17	16.76 0.38 -2.72	13.43 0.29 -2.79	14.91 0.38 -1.35
CLINTON_WT_PWR 323605	18.31 -0.05 0.00	15.06 -0.05 0.00	14.68 -0.09 0.00	14.34 -0.09 0.00	14.38 -0.12 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.29 -0.21 0.00	22.84 -0.19 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.96 -0.10 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.87 -0.06 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.65 -0.04 0.00	27.34 -0.11 0.00	19.31 -0.33 0.00	13.29 -0.37 0.00	10.03 -0.32 0.00	12.67 -0.51 0.00
CLINTON__LFGE 323618	18.50 0.13 0.00	15.21 0.11 0.00	14.81 0.04 0.00	14.49 0.06 0.00	14.51 0.01 0.00	14.71 0.01 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.33 0.09 0.00	22.15 0.02 0.00	21.17 0.11 0.00	19.28 0.15 0.00	18.49 0.11 0.00	21.08 0.15 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.49 -0.16 0.00	13.41 -0.25 0.00	10.11 -0.24 0.00	12.79 -0.40 0.00
COBBLENY_34_KV_TB1 80064	18.54 0.17 -0.01	15.81 -0.05 -0.75	15.28 0.06 -0.46	15.06 0.07 -0.55	15.21 0.03 -0.68	16.24 0.07 -1.47	25.20 -0.25 -0.90	29.11 -0.50 -3.11	25.43 -0.25 -2.66	24.96 0.10 -0.06	23.79 0.56 0.00	22.71 0.58 0.00	21.21 0.08 -0.06	19.83 0.00 -0.70	19.33 0.00 -0.95	21.17 -0.06 -0.30	22.99 -0.15 -1.39	25.45 -0.31 -3.54	27.05 -0.22 -7.58	29.49 -0.27 -2.32	22.44 0.04 -2.76	17.38 0.27 -3.44	14.13 0.24 -3.54	15.22 0.33 -1.71
COFFEEN__115KV_TB3 355620	18.44 0.07 0.00	15.45 0.05 -0.30	14.95 0.00 -0.18	14.65 0.00 -0.22	14.84 0.07 -0.27	15.39 0.10 -0.59	25.74 0.83 -0.36	28.81 1.06 -1.24	24.64 0.55 -1.06	25.17 0.35 -0.03	23.49 0.26 0.00	22.22 0.09 0.00	21.16 0.06 -0.03	19.43 0.02 -0.28	18.79 0.04 -0.38	21.18 0.13 -0.12	22.53 0.22 -0.56	24.08 0.44 -1.42	23.26 0.53 -3.04	29.28 0.91 -0.93	21.34 0.59 -1.11	15.42 0.38 -1.38	12.03 0.26 -1.42	14.21 0.34 -0.68
COLDSPRG_115KV_BK1 355956	19.07 0.70 -0.01	16.03 0.15 -0.77	15.46 0.22 -0.47	15.22 0.22 -0.57	15.41 0.22 -0.70	16.47 0.26 -1.51	25.62 0.15 -0.93	29.76 0.05 -3.20	25.92 0.16 -2.73	25.50 0.64 -0.06	24.51 1.28 0.00	23.37 1.24 0.00	21.62 0.48 -0.06	20.12 0.27 -0.72	19.57 0.22 -0.98	21.45 0.21 -0.31	23.31 0.13 -1.43	25.87 0.00 -3.65	27.57 0.08 -7.80	29.95 0.11 -2.39	22.68 0.20 -2.84	17.56 0.36 -3.55	14.27 0.27 -3.65	15.33 0.38 -1.76
COLONIE_LFGE__ 323577	19.14 0.74 -0.03	18.77 0.59 -3.08	17.23 0.59 -1.87	17.29 0.59 -2.27	17.89 0.59 -2.80	21.33 0.62 -6.02	29.40 1.15 -3.71	40.49 1.25 -12.74	34.83 1.06 -10.74	26.11 1.14 -0.18	24.14 1.02 0.11	23.05 0.97 0.05	22.15 0.88 -0.20	22.73 0.80 -2.80	23.01 0.79 -3.85	23.07 0.92 -1.22	28.36 0.93 -5.67	37.33 1.02 -14.09	50.45 0.93 -29.83	37.60 1.32 -8.84	31.51 0.94 -10.92	28.19 0.60 -13.93	25.31 0.43 -14.53	20.74 0.55 -7.00
COOPERNY_115KV_TB1 80082	19.19 0.81 -0.02	17.55 0.65 -1.79	16.47 0.62 -1.09	16.36 0.61 -1.32	16.73 0.61 -1.63	18.78 0.59 -3.50	27.78 1.08 -2.16	35.14 1.22 -7.41	30.50 1.08 -6.39	26.11 1.14 -0.18	24.39 1.12 -0.04	23.26 1.11 -0.02	22.29 1.05 -0.17	21.78 0.96 -1.70	21.58 0.92 -2.28	22.67 1.03 -0.71	26.11 1.04 -3.32	31.89 1.04 -8.63	39.20 0.95 -18.56	34.51 1.26 -5.80	27.32 0.94 -6.73	22.56 0.61 -8.29	19.29 0.49 -8.45	17.88 0.62 -4.07
COPENHAGEN_WT_PWR 323753	18.33 -0.04 0.00	15.37 -0.05 -0.31	14.88 -0.07 -0.19	14.60 -0.06 -0.23	14.76 -0.01 -0.28	15.32 0.01 -0.61	25.59 0.64 -0.41	28.76 0.85 -1.41	24.67 0.44 -1.20	25.07 0.25 -0.03	23.42 0.19 0.00	22.18 0.04 0.00	21.10 0.00 -0.03	19.43 -0.02 -0.32	18.81 0.00 -0.43	21.13 0.06 -0.13	22.51 0.13 -0.63	24.14 0.31 -1.61	23.52 0.39 -3.44	29.18 0.69 -1.05	21.35 0.45 -1.25	15.52 0.30 -1.56	12.17 0.21 -1.61	14.24 0.28 -0.77
CORNELL____ 23752	19.02 0.64 -0.01	16.45 0.47 -0.88	15.77 0.47 -0.54	15.56 0.48 -0.65	15.80 0.51 -0.80	16.96 0.54 -1.72	26.58 0.98 -1.06	31.32 1.17 -3.65	27.09 0.94 -3.12	25.88 1.02 -0.07	24.21 0.98 0.00	23.02 0.89 0.00	21.90 0.76 -0.07	20.60 0.65 -0.82	20.15 0.66 -1.11	22.12 0.84 -0.35	24.27 0.89 -1.63	27.33 0.96 -4.16	29.47 0.89 -8.90	31.49 1.32 -2.73	23.85 0.96 -3.24	18.34 0.64 -4.04	14.99 0.48 -4.16	15.82 0.63 -2.01
CORONAAV_69_KV_TB1 355595	22.33 1.58 -2.39	20.07 1.28 -3.68	18.74 1.23 -2.75	18.31 1.20 -2.68	18.85 1.22 -3.14	23.19 1.22 -7.27	33.38 2.16 -6.68	39.26 2.36 -10.39	34.15 2.12 -9.00	29.33 2.36 -2.18	27.85 2.23 -2.38	26.98 2.21 -2.63	25.55 2.11 -2.38	27.01 1.87 -6.01	27.12 1.80 -6.94	28.75 1.97 -5.85	29.91 2.00 -6.16	36.31 1.87 -12.23	47.84 1.75 -26.39	38.14 2.36 -8.34	30.99 1.79 -9.55	29.92 1.16 -15.10	29.07 0.95 -17.77	22.30 1.21 -7.90
CORTLAND_115KV_TB3 80093	18.85 0.48 -0.01	16.20 0.35 -0.75	15.57 0.35 -0.45	15.33 0.35 -0.55	15.55 0.38 -0.68	16.55 0.40 -1.46	26.15 0.71 -0.90	30.44 0.85 -3.08	26.35 0.69 -2.64	25.62 0.77 -0.06	24.00 0.77 0.00	22.84 0.71 0.00	21.72 0.59 -0.06	20.34 0.52 -0.70	19.82 0.50 -0.94	21.86 0.63 -0.30	23.78 0.65 -1.38	26.43 0.69 -3.52	27.85 0.63 -7.53	30.71 0.96 -2.31	23.09 0.71 -2.74	17.56 0.48 -3.42	14.23 0.36 -3.52	15.36 0.47 -1.70



COXSACKIE___GT 23611	19.48 1.08 -0.03	18.67 0.68 -2.88	17.18 0.66 -1.75	17.22 0.66 -2.12	17.62 0.51 -2.62	20.77 0.44 -5.63	29.09 1.08 -3.47	39.48 1.06 -11.92	34.01 0.85 -10.13	26.04 1.04 -0.21	24.03 0.84 0.04	22.89 0.77 0.02	22.13 0.84 -0.22	22.38 0.59 -2.66	22.61 0.61 -3.62	22.83 0.75 -1.14	27.96 0.89 -5.32	36.86 1.22 -13.43	49.45 1.16 -28.60	37.66 1.56 -8.65	31.08 1.00 -10.43	27.51 0.71 -13.14	24.39 0.44 -13.60	20.32 0.58 -6.55
CPV_VALLEY___CC1 323721	19.31 0.92 -0.02	17.93 0.74 -2.09	16.74 0.71 -1.27	16.66 0.69 -1.54	17.09 0.70 -1.90	19.44 0.66 -4.08	28.26 1.20 -2.52	36.53 1.38 -8.64	31.71 1.22 -7.47	26.32 1.31 -0.21	24.57 1.28 -0.06	23.42 1.26 -0.03	22.49 1.22 -0.20	22.20 1.09 -1.99	22.09 1.05 -2.66	22.91 1.15 -0.83	26.80 1.17 -3.87	33.50 1.18 -10.11	42.53 1.06 -21.77	35.71 1.43 -6.84	28.60 1.06 -7.89	24.04 0.70 -9.69	20.76 0.55 -9.86	18.64 0.70 -4.75
CPV_VALLEY___CC2 323722	19.31 0.92 -0.02	17.93 0.74 -2.09	16.74 0.71 -1.27	16.66 0.69 -1.54	17.09 0.70 -1.90	19.44 0.66 -4.08	28.26 1.20 -2.52	36.53 1.38 -8.64	31.71 1.22 -7.47	26.32 1.31 -0.21	24.57 1.28 -0.06	23.42 1.26 -0.03	22.49 1.22 -0.20	22.20 1.09 -1.99	22.09 1.05 -2.66	22.91 1.15 -0.83	26.80 1.17 -3.87	33.50 1.18 -10.11	42.53 1.06 -21.77	35.71 1.43 -6.84	28.60 1.06 -7.89	24.04 0.70 -9.69	20.76 0.55 -9.86	18.64 0.70 -4.75
CRESCENT___HYD 24018	19.14 0.74 -0.03	18.77 0.59 -3.08	17.23 0.59 -1.87	17.29 0.59 -2.27	17.89 0.59 -2.80	21.33 0.62 -6.02	29.40 1.15 -3.71	40.49 1.25 -12.74	34.83 1.06 -10.74	26.11 1.14 -0.18	24.14 1.02 0.11	23.05 0.97 0.05	22.15 0.88 -0.20	22.73 0.80 -2.80	23.01 0.79 -3.85	23.07 0.92 -1.22	28.36 0.93 -5.67	37.33 1.02 -14.09	50.45 0.93 -29.83	37.60 1.32 -8.84	31.51 0.94 -10.92	28.19 0.60 -13.93	25.31 0.43 -14.53	20.74 0.55 -7.00
CRICKET___VALLEY_CC1 323756	19.22 0.83 -0.03	18.42 0.68 -2.63	17.03 0.66 -1.60	17.02 0.65 -1.94	17.54 0.65 -2.39	20.50 0.66 -5.14	28.81 1.11 -3.17	38.63 1.25 -10.88	31.56 1.06 -7.47	25.21 1.17 0.75	22.96 1.14 1.41	22.61 1.15 0.67	21.67 1.09 0.49	21.67 0.97 -1.57	22.07 0.94 -2.76	23.00 1.03 -1.04	27.44 1.04 -4.64	29.76 1.00 -6.54	30.69 0.93 -10.07	27.77 1.21 0.88	25.06 0.90 -4.51	23.76 0.56 -9.54	23.23 0.47 -12.41	19.78 0.61 -5.98
CRICKET___VALLEY_CC2 323757	19.22 0.83 -0.03	18.42 0.68 -2.63	17.03 0.66 -1.60	17.02 0.65 -1.94	17.54 0.65 -2.39	20.50 0.66 -5.14	28.81 1.11 -3.17	38.63 1.25 -10.88	31.56 1.06 -7.47	25.21 1.17 0.75	22.96 1.14 1.41	22.61 1.15 0.67	21.67 1.09 0.49	21.67 0.97 -1.57	22.07 0.94 -2.76	23.00 1.03 -1.04	27.44 1.04 -4.64	29.76 1.00 -6.54	30.69 0.93 -10.07	27.77 1.21 0.88	25.06 0.90 -4.51	23.76 0.56 -9.54	23.23 0.47 -12.41	19.78 0.61 -5.98
CRICKET___VALLEY_CC3 323758	19.22 0.83 -0.03	18.42 0.68 -2.63	17.03 0.66 -1.60	17.02 0.65 -1.94	17.54 0.65 -2.39	20.50 0.66 -5.14	28.81 1.11 -3.17	38.63 1.25 -10.88	31.56 1.06 -7.47	25.21 1.17 0.75	22.96 1.14 1.41	22.61 1.15 0.67	21.67 1.09 0.49	21.67 0.97 -1.57	22.07 0.94 -2.76	23.00 1.03 -1.04	27.44 1.04 -4.64	29.76 1.00 -6.54	30.69 0.93 -10.07	27.77 1.21 0.88	25.06 0.90 -4.51	23.76 0.56 -9.54	23.23 0.47 -12.41	19.78 0.61 -5.98
CRUCIBLE_METL_DRP 24180	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
DAHOWA___HYDRO 323763	19.30 0.90 -0.04	18.94 0.72 -3.11	17.38 0.72 -1.89	17.43 0.71 -2.29	18.07 0.75 -2.83	21.56 0.79 -6.08	29.86 1.57 -3.75	41.17 1.80 -12.86	35.40 1.50 -10.88	26.60 1.61 -0.20	24.56 1.42 0.09	23.42 1.33 0.04	22.40 1.12 -0.21	22.98 1.01 -2.84	23.26 0.99 -3.89	23.34 1.17 -1.23	28.64 1.15 -5.73	37.87 1.33 -14.32	51.34 1.26 -30.39	38.33 1.81 -9.07	32.03 1.28 -11.11	28.58 0.81 -14.11	25.59 0.56 -14.68	20.96 0.70 -7.07
DANC___LFGE 323619	18.28 -0.09 0.00	15.40 -0.08 -0.37	14.90 -0.09 -0.23	14.62 -0.09 -0.27	14.79 -0.04 -0.34	15.41 -0.01 -0.73	25.59 0.56 -0.49	28.93 0.74 -1.68	24.88 0.41 -1.44	25.15 0.32 -0.03	23.52 0.28 0.00	22.31 0.18 0.00	21.23 0.13 -0.03	19.60 0.10 -0.38	18.98 0.09 -0.51	21.26 0.17 -0.16	22.72 0.22 -0.75	24.47 0.33 -1.92	24.17 0.37 -4.11	29.36 0.66 -1.26	21.59 0.45 -1.50	15.83 0.30 -1.87	12.50 0.23 -1.92	14.40 0.29 -0.93
DANSKAMMER___1 23586	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.94 1.42 -2.98	38.38 1.64 -10.23	33.28 1.43 -8.83	26.56 1.51 -0.25	24.72 1.42 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.94	46.74 1.34 -25.71	37.26 1.76 -8.06	30.22 1.26 -9.32	25.96 0.85 -11.45	22.67 0.65 -11.67	19.64 0.83 -5.62
DANSKAMMER___2 23589	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.94 1.42 -2.98	38.38 1.64 -10.23	33.28 1.43 -8.83	26.56 1.51 -0.25	24.72 1.42 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.94	46.74 1.34 -25.71	37.26 1.76 -8.06	30.22 1.26 -9.32	25.96 0.85 -11.45	22.67 0.65 -11.67	19.64 0.83 -5.62
DANSKAMMER___3 23590	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.94 1.42 -2.98	38.38 1.64 -10.23	33.28 1.43 -8.83	26.56 1.51 -0.25	24.72 1.42 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.94	46.74 1.34 -25.71	37.26 1.76 -8.06	30.22 1.26 -9.32	25.96 0.85 -11.45	22.67 0.65 -11.67	19.64 0.83 -5.62
DANSKAMMER___4 23591	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.94 1.42 -2.98	38.38 1.64 -10.23	33.28 1.43 -8.83	26.56 1.51 -0.25	24.72 1.42 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.94	46.74 1.34 -25.71	37.26 1.76 -8.06	30.22 1.26 -9.32	25.96 0.85 -11.45	22.67 0.65 -11.67	19.64 0.83 -5.62
DANSKAMMER___DIESEL 23592	19.57 1.18 -0.03	18.51 0.94 -2.48	17.14 0.87 -1.50	17.12 0.87 -1.82	17.58 0.84 -2.25	20.30 0.78 -4.83	28.96 1.45 -2.98	38.37 1.64 -10.22	33.28 1.43 -8.82	26.56 1.51 -0.25	24.72 1.42 -0.06	23.58 1.42 -0.03	22.74 1.43 -0.24	22.75 1.28 -2.35	22.76 1.23 -3.15	23.27 1.36 -0.98	27.74 1.41 -4.58	35.62 1.47 -11.93	46.72 1.34 -25.69	37.26 1.76 -8.05	30.21 1.26 -9.31	25.96 0.85 -11.45	22.66 0.65 -11.66	19.64 0.83 -5.62



DARBY___SOLAR 323810	19.28 0.88 -0.04	18.92 0.71 -3.11	17.34 0.69 -1.89	17.41 0.69 -2.29	18.04 0.72 -2.82	21.53 0.76 -6.07	29.78 1.50 -3.74	41.08 1.72 -12.85	35.32 1.43 -10.86	26.53 1.54 -0.19	24.51 1.37 0.09	23.37 1.28 0.04	22.37 1.09 -0.21	22.98 1.01 -2.84	23.24 0.97 -3.89	23.31 1.15 -1.23	28.61 1.13 -5.73	37.78 1.27 -14.29	51.21 1.20 -30.32	38.22 1.73 -9.04	31.95 1.22 -11.09	28.51 0.76 -14.09	25.55 0.54 -14.66	20.94 0.69 -7.06
DASHVILLE___HYD 23610	19.48 1.08 -0.03	18.31 0.65 -2.55	16.92 0.61 -1.55	16.90 0.59 -1.88	17.38 0.57 -2.32	20.19 0.51 -4.98	28.54 0.93 -3.07	38.13 1.09 -10.54	33.04 0.97 -9.05	26.46 1.44 -0.23	24.66 1.39 -0.03	23.54 1.39 -0.01	22.71 1.41 -0.23	22.44 0.92 -2.40	22.47 0.86 -3.23	22.88 0.94 -1.01	27.44 0.98 -4.71	35.36 1.00 -12.15	46.67 0.93 -26.05	37.18 1.67 -8.06	29.95 0.84 -9.46	25.94 0.55 -11.74	22.81 0.43 -12.03	19.55 0.57 -5.80
DEERFIELD_69_KV_DEERFIELD LD 355887	23.38 2.63 -2.39	20.93 2.14 -3.68	19.61 2.10 -2.75	19.18 2.06 -2.68	19.70 2.07 -3.14	24.03 2.06 -7.27	38.54 3.71 -10.29	42.73 3.92 -12.30	37.00 3.57 -10.41	38.55 4.04 -9.72	29.46 3.76 -2.46	28.45 3.61 -2.71	26.84 3.39 -2.38	28.31 3.10 -6.09	32.32 3.00 -10.95	34.71 3.37 -10.40	39.19 3.48 -13.96	74.46 3.27 -48.97	80.34 2.95 -57.70	121.34 4.03 -89.86	83.70 3.06 -60.98	67.80 2.08 -52.06	36.61 1.64 -24.62	34.28 2.07 -19.03
DELAWARE___LFGE 323621	19.15 0.77 -0.02	17.25 0.62 -1.53	16.28 0.59 -0.93	16.13 0.58 -1.13	16.49 0.61 -1.39	18.28 0.60 -2.99	27.51 1.13 -1.84	34.10 1.27 -6.32	29.49 1.06 -5.40	26.06 1.14 -0.13	24.35 1.12 0.00	23.17 1.04 0.00	22.16 0.97 -0.13	21.39 0.84 -1.42	21.12 0.81 -1.93	22.48 0.94 -0.61	25.55 0.98 -2.82	30.45 1.02 -7.21	35.99 0.89 -15.41	33.49 1.32 -4.72	26.22 0.96 -5.61	21.31 0.64 -7.00	18.05 0.49 -7.21	17.29 0.63 -3.47
DERFIELD_115KV_TB7 355931	18.40 0.04 0.00	15.20 0.03 -0.06	14.83 0.03 -0.04	14.51 0.03 -0.05	14.58 0.03 -0.06	14.85 0.03 -0.12	24.66 0.05 -0.07	26.82 0.05 -0.26	23.27 0.02 -0.22	24.82 0.02 -0.01	23.28 0.05 0.00	22.15 0.02 0.00	21.09 0.02 -0.01	19.20 0.02 -0.06	18.47 0.02 -0.08	20.98 0.02 -0.02	21.87 0.00 -0.11	22.53 0.02 -0.29	20.31 0.00 -0.62	27.64 0.00 -0.19	19.87 0.00 -0.23	13.94 0.00 -0.28	10.64 0.00 -0.29	13.33 0.00 -0.14
DOGLEVILLE___HYD 23807	18.68 0.31 0.00	15.41 0.24 -0.06	15.04 0.24 -0.04	14.69 0.22 -0.05	14.78 0.23 -0.06	15.05 0.23 -0.12	24.89 0.27 -0.08	27.09 0.32 -0.27	23.46 0.21 -0.23	25.02 0.22 -0.01	23.47 0.23 0.00	22.33 0.20 0.00	21.24 0.17 -0.01	19.28 0.10 -0.06	18.48 0.02 -0.08	20.98 0.02 -0.03	21.91 0.04 -0.12	22.57 0.04 -0.30	20.36 0.02 -0.65	27.64 0.00 -0.20	19.86 -0.02 -0.24	13.98 0.03 -0.30	10.68 0.02 -0.30	13.37 0.04 -0.15
DUNKIRK___115KV_TB_200 55889	18.67 0.29 -0.01	15.94 0.08 -0.76	15.38 0.16 -0.46	15.16 0.17 -0.56	15.32 0.14 -0.69	16.35 0.18 -1.48	25.40 -0.05 -0.91	29.34 -0.29 -3.12	25.63 -0.07 -2.67	25.13 0.27 -0.06	23.93 0.70 0.00	22.84 0.71 0.00	21.38 0.25 -0.06	19.98 0.15 -0.70	19.48 0.15 -0.95	21.34 0.10 -0.30	23.17 0.02 -1.40	25.65 -0.13 -3.56	27.25 -0.06 -7.62	29.70 -0.08 -2.33	22.56 0.14 -2.77	17.45 0.33 -3.46	14.19 0.28 -3.56	15.29 0.38 -1.72
DUNKIRK___1 23563	18.67 0.29 -0.01	15.94 0.08 -0.76	15.38 0.16 -0.46	15.16 0.17 -0.56	15.32 0.14 -0.69	16.35 0.18 -1.48	25.40 -0.05 -0.91	29.34 -0.29 -3.12	25.63 -0.07 -2.67	25.13 0.27 -0.06	23.93 0.70 0.00	22.84 0.71 0.00	21.38 0.25 -0.06	19.98 0.15 -0.70	19.48 0.15 -0.95	21.34 0.10 -0.30	23.17 0.02 -1.40	25.65 -0.13 -3.56	27.25 -0.06 -7.62	29.70 -0.08 -2.33	22.56 0.14 -2.77	17.45 0.33 -3.46	14.19 0.28 -3.56	15.29 0.38 -1.72
DUNKIRK___2 23564	18.67 0.29 -0.01	15.94 0.08 -0.76	15.38 0.16 -0.46	15.16 0.17 -0.56	15.32 0.14 -0.69	16.35 0.18 -1.48	25.40 -0.05 -0.91	29.34 -0.29 -3.12	25.63 -0.07 -2.67	25.13 0.27 -0.06	23.93 0.70 0.00	22.84 0.71 0.00	21.38 0.25 -0.06	19.98 0.15 -0.70	19.48 0.15 -0.95	21.34 0.10 -0.30	23.17 0.02 -1.40	25.65 -0.13 -3.56	27.25 -0.06 -7.62	29.70 -0.08 -2.33	22.56 0.14 -2.77	17.45 0.33 -3.46	14.19 0.28 -3.56	15.29 0.38 -1.72
DUNKIRK___3 23565	18.63 0.26 -0.01	15.89 0.03 -0.75	15.35 0.13 -0.46	15.13 0.14 -0.55	15.28 0.10 -0.68	16.30 0.13 -1.47	25.35 -0.10 -0.90	29.27 -0.34 -3.11	25.57 -0.12 -2.66	25.08 0.22 -0.06	23.89 0.65 0.00	22.80 0.66 0.00	21.34 0.21 -0.06	19.92 0.10 -0.70	19.42 0.09 -0.95	21.29 0.06 -0.30	23.10 -0.04 -1.39	25.56 -0.20 -3.54	27.17 -0.10 -7.58	29.63 -0.14 -2.32	22.50 0.10 -2.76	17.40 0.30 -3.44	14.15 0.26 -3.54	15.26 0.37 -1.71
DUNKIRK___4 23566	18.63 0.26 -0.01	15.89 0.03 -0.75	15.35 0.13 -0.46	15.13 0.14 -0.55	15.28 0.10 -0.68	16.30 0.13 -1.47	25.35 -0.10 -0.90	29.27 -0.34 -3.11	25.57 -0.12 -2.66	25.08 0.22 -0.06	23.89 0.65 0.00	22.80 0.66 0.00	21.34 0.21 -0.06	19.92 0.10 -0.70	19.42 0.09 -0.95	21.29 0.06 -0.30	23.10 -0.04 -1.39	25.56 -0.20 -3.54	27.17 -0.10 -7.58	29.63 -0.14 -2.32	22.50 0.10 -2.76	17.40 0.30 -3.44	14.15 0.26 -3.54	15.26 0.37 -1.71
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	19.53 1.14 -0.03	18.56 0.94 -2.52	17.18 0.89 -1.53	17.15 0.87 -1.85	17.66 0.88 -2.28	20.47 0.87 -4.91	29.18 1.62 -3.03	38.73 1.83 -10.39	33.64 1.61 -9.00	26.87 1.81 -0.27	25.07 1.74 -0.09	23.92 1.75 -0.04	23.01 1.69 -0.25	23.04 1.51 -2.40	23.02 1.43 -3.21	23.50 1.57 -1.00	27.97 1.57 -4.66	35.95 1.51 -12.22	47.46 1.38 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.21 0.87 -11.68	22.91 0.70 -11.85	19.78 0.88 -5.71
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	19.46 1.07 -0.03	18.33 0.85 -2.39	17.01 0.80 -1.45	16.96 0.78 -1.75	17.43 0.77 -2.16	20.07 0.72 -4.65	28.73 1.33 -2.87	37.87 1.51 -9.85	32.84 1.31 -8.50	26.47 1.44 -0.24	24.67 1.37 -0.06	23.53 1.37 -0.03	22.65 1.35 -0.23	22.59 1.20 -2.26	22.55 1.14 -3.04	23.15 1.28 -0.94	27.47 1.31 -4.41	35.05 1.33 -11.50	45.67 1.22 -24.76	36.83 1.62 -7.76	29.78 1.16 -8.97	25.46 0.76 -11.03	22.19 0.60 -11.24	19.37 0.76 -5.42
E179THST_138_KV_TB4_REV_LBMP_J 345001	19.40 0.99 -0.04	18.46 0.83 -2.53	17.06 0.75 -1.54	17.03 0.74 -1.86	17.56 0.77 -2.30	20.33 0.72 -4.92	28.93 1.35 -3.05	38.67 1.78 -10.39	33.52 1.50 -9.00	26.68 1.61 -0.27	24.96 1.63 -0.09	23.84 1.66 -0.05	22.99 1.66 -0.26	22.99 1.45 -2.41	23.00 1.40 -3.22	23.37 1.42 -1.01	27.85 1.44 -4.66	35.82 1.38 -12.23	47.36 1.28 -26.39	37.37 1.59 -8.34	30.38 1.18 -9.55	26.08 0.72 -11.69	22.85 0.62 -11.88	19.67 0.76 -5.72
E179THST_13_KV_LOAD 356214	19.45 1.05 -0.04	18.51 0.88 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.39 0.78 -4.92	29.03 1.45 -3.05	38.78 1.88 -10.39	33.61 1.59 -9.00	26.80 1.74 -0.27	25.05 1.72 -0.09	23.95 1.77 -0.05	23.10 1.77 -0.26	23.09 1.55 -2.41	23.09 1.49 -3.22	23.47 1.53 -1.01	27.95 1.54 -4.66	35.93 1.49 -12.23	47.46 1.38 -26.39	37.51 1.73 -8.34	30.47 1.28 -9.55	26.13 0.78 -11.69	22.90 0.67 -11.88	19.72 0.82 -5.72



EAST HAMPTON___GT 23717	23.54 2.79 -2.39	21.08 2.29 -3.68	19.76 2.24 -2.75	19.31 2.19 -2.68	19.85 2.22 -3.14	24.16 2.19 -7.27	38.78 3.95 -10.29	43.02 4.22 -12.30	40.68 3.80 -13.86	38.77 4.27 -9.72	29.67 3.97 -2.46	28.65 3.81 -2.71	27.04 3.58 -2.39	28.48 3.27 -6.09	32.49 3.16 -10.95	34.89 3.56 -10.40	39.43 3.72 -13.96	74.72 3.53 -48.97	80.57 3.17 -57.71	121.66 4.36 -89.85	83.92 3.28 -60.99	67.95 2.23 -52.06	36.72 1.74 -24.63	34.40 2.19 -19.03
EAST RIVER___6 23660	19.42 1.19 0.13	18.49 0.97 -2.42	17.21 0.93 -1.52	17.17 0.90 -1.84	17.66 0.93 -2.24	20.30 0.90 -4.71	28.47 1.62 -2.31	37.55 1.96 -9.08	32.83 1.80 -8.00	26.44 1.91 0.26	24.84 1.91 0.30	23.79 1.92 0.27	22.93 1.87 0.01	22.94 1.66 -2.15	22.99 1.58 -3.03	23.42 1.68 -0.81	27.55 1.68 -4.12	35.03 1.64 -11.17	45.79 1.50 -24.61	36.57 1.95 -7.18	29.91 1.43 -8.83	25.79 0.89 -11.24	22.75 0.72 -11.68	19.75 0.92 -5.65
EAST RIVER___7 23524	19.42 1.19 0.13	18.49 0.97 -2.42	17.21 0.93 -1.52	17.17 0.90 -1.84	17.66 0.93 -2.24	20.30 0.90 -4.71	28.47 1.62 -2.31	37.55 1.96 -9.08	32.83 1.80 -8.00	26.44 1.91 0.26	24.84 1.91 0.30	23.79 1.92 0.27	22.93 1.87 0.01	22.94 1.66 -2.15	22.99 1.58 -3.03	23.42 1.68 -0.81	27.55 1.68 -4.12	35.03 1.64 -11.17	45.79 1.50 -24.61	36.57 1.95 -7.18	29.91 1.43 -8.83	25.79 0.89 -11.24	22.75 0.72 -11.68	19.75 0.92 -5.65
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	19.53 1.14 -0.03	18.54 0.92 -2.51	17.16 0.87 -1.52	17.13 0.85 -1.85	17.64 0.87 -2.28	20.47 0.87 -4.90	29.13 1.57 -3.02	38.66 1.78 -10.38	33.60 1.59 -8.99	26.82 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.94 1.62 -0.25	22.98 1.45 -2.40	22.96 1.38 -3.21	23.43 1.51 -0.99	27.92 1.52 -4.65	35.89 1.47 -12.21	47.40 1.36 -26.35	37.55 1.78 -8.32	30.52 1.34 -9.54	26.18 0.86 -11.66	22.87 0.68 -11.84	19.76 0.87 -5.71
EAST_HAMPTON___DIESEL 23722	23.54 2.79 -2.39	21.08 2.29 -3.68	19.78 2.26 -2.75	19.31 2.19 -2.68	19.85 2.22 -3.14	24.17 2.20 -7.27	38.81 3.97 -10.29	43.02 4.22 -12.30	40.68 3.80 -13.86	38.78 4.27 -9.72	29.69 4.00 -2.46	28.67 3.83 -2.71	27.04 3.58 -2.39	28.48 3.27 -6.09	32.51 3.18 -10.95	34.89 3.56 -10.40	39.45 3.74 -13.96	74.72 3.53 -48.97	80.59 3.19 -57.71	121.66 4.36 -89.86	83.93 3.30 -60.99	67.95 2.23 -52.06	36.73 1.75 -24.63	34.42 2.20 -19.03
EAST_PULASKI___ESR 323781	18.24 -0.13 0.00	15.42 -0.11 -0.42	14.92 -0.10 -0.26	14.64 -0.10 -0.31	14.81 -0.07 -0.38	15.48 -0.04 -0.83	25.71 0.66 -0.51	29.08 0.82 -1.75	25.10 0.58 -1.50	25.40 0.57 -0.04	23.77 0.53 0.00	22.57 0.44 0.00	21.48 0.38 -0.04	19.85 0.33 -0.40	19.22 0.31 -0.54	21.50 0.40 -0.17	22.97 0.44 -0.78	24.73 0.51 -2.00	24.48 0.51 -4.27	29.58 0.82 -1.31	21.79 0.59 -1.56	16.01 0.41 -1.94	12.66 0.31 -2.00	14.56 0.41 -0.96
EAST_RIVER___1 323558	19.41 1.18 0.13	18.47 0.95 -2.42	17.19 0.92 -1.52	17.15 0.88 -1.84	17.65 0.91 -2.24	20.28 0.88 -4.71	28.44 1.59 -2.31	37.52 1.93 -9.08	32.76 1.73 -8.00	26.39 1.86 0.26	24.80 1.86 0.30	23.72 1.86 0.27	22.87 1.81 0.01	22.88 1.61 -2.15	22.93 1.52 -3.03	23.37 1.63 -0.81	27.51 1.63 -4.12	34.96 1.58 -11.17	45.75 1.46 -24.61	36.51 1.89 -7.18	29.90 1.42 -8.83	25.78 0.87 -11.24	22.74 0.71 -11.68	19.74 0.91 -5.65
EAST_RIVER___2 323559	19.42 1.19 0.13	18.49 0.97 -2.42	17.21 0.93 -1.52	17.17 0.90 -1.84	17.66 0.93 -2.24	20.30 0.90 -4.71	28.47 1.62 -2.31	37.55 1.96 -9.08	32.83 1.80 -8.00	26.44 1.91 0.26	24.84 1.91 0.30	23.79 1.92 0.27	22.93 1.87 0.01	22.94 1.66 -2.15	22.99 1.58 -3.03	23.42 1.68 -0.81	27.55 1.68 -4.12	35.03 1.64 -11.17	45.79 1.50 -24.61	36.57 1.95 -7.18	29.91 1.43 -8.83	25.79 0.89 -11.24	22.75 0.72 -11.68	19.75 0.92 -5.65
EAST___DELAWARE_HYD 23607	19.64 1.25 -0.02	18.27 0.97 -2.20	17.01 0.92 -1.33	16.94 0.90 -1.62	17.33 0.84 -1.99	19.76 0.78 -4.29	28.56 1.37 -2.64	37.17 1.59 -9.08	32.20 1.36 -7.81	26.42 1.41 -0.21	24.65 1.37 -0.04	23.50 1.35 -0.02	22.62 1.35 -0.20	22.40 1.21 -2.07	22.33 1.16 -2.79	23.08 1.28 -0.87	27.16 1.35 -4.06	34.17 1.42 -10.53	43.61 1.30 -22.62	36.22 1.73 -7.05	29.07 1.22 -8.21	24.61 0.82 -10.14	21.35 0.64 -10.35	18.99 0.82 -4.99
EIGHT_POINT___WT_PWR 323820	18.98 0.61 -0.01	16.29 0.35 -0.84	15.68 0.41 -0.51	15.45 0.40 -0.62	15.66 0.41 -0.76	16.77 0.44 -1.63	26.14 0.59 -1.01	30.62 0.64 -3.48	26.60 0.60 -2.97	25.78 0.92 -0.07	24.42 1.18 0.00	23.26 1.13 0.00	21.85 0.72 -0.07	20.45 0.53 -0.78	19.94 0.50 -1.06	21.85 0.59 -0.33	23.89 0.59 -1.55	26.74 0.56 -3.97	28.73 0.55 -8.49	30.81 0.77 -2.60	23.40 0.67 -3.09	18.05 0.53 -3.86	14.73 0.41 -3.97	15.65 0.55 -1.91
ELBRIDGE_115KV_TB2 80188	18.59 0.22 -0.01	15.87 0.17 -0.60	15.31 0.18 -0.37	15.05 0.17 -0.44	15.24 0.20 -0.55	16.09 0.22 -1.18	25.66 0.39 -0.72	29.47 0.48 -2.49	25.59 0.44 -2.13	25.34 0.50 -0.05	23.70 0.46 0.00	22.57 0.44 0.00	21.50 0.38 -0.05	20.01 0.33 -0.56	19.47 0.33 -0.76	21.59 0.42 -0.24	23.28 0.41 -1.11	25.50 0.44 -2.84	26.17 0.41 -6.07	29.94 0.63 -1.86	22.37 0.51 -2.21	16.77 0.36 -2.76	13.46 0.27 -2.84	14.91 0.36 -1.37
ELEC_TRO_TEK 24086	22.24 1.49 -2.39	19.99 1.21 -3.68	18.68 1.17 -2.75	18.25 1.14 -2.68	18.79 1.16 -3.14	23.13 1.16 -7.27	33.31 2.09 -6.68	39.18 2.28 -10.39	34.08 2.05 -9.00	29.26 2.28 -2.18	27.75 2.14 -2.38	26.89 2.12 -2.63	25.49 2.04 -2.38	26.97 1.84 -6.01	27.07 1.75 -6.94	28.68 1.90 -5.85	29.82 1.91 -6.16	36.24 1.80 -12.23	47.76 1.67 -26.39	38.03 2.25 -8.34	30.87 1.67 -9.55	29.87 1.11 -15.10	29.02 0.90 -17.77	22.23 1.15 -7.90
ELLENBURG_WT_PWR 323604	18.31 -0.05 0.00	15.06 -0.05 0.00	14.68 -0.09 0.00	14.34 -0.09 0.00	14.38 -0.12 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.29 -0.21 0.00	22.84 -0.19 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.96 -0.10 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.87 -0.06 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.65 -0.04 0.00	27.34 -0.11 0.00	19.31 -0.33 0.00	13.29 -0.37 0.00	10.03 -0.32 0.00	12.67 -0.51 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	18.37 0.00 -0.01	15.78 -0.06 -0.73	15.25 0.04 -0.44	15.03 0.06 -0.54	15.17 0.01 -0.66	16.17 0.04 -1.43	25.10 -0.32 -0.88	28.87 -0.66 -3.03	25.27 -0.35 -2.59	24.80 -0.05 -0.06	23.51 0.28 0.00	22.46 0.33 0.00	21.11 -0.02 -0.06	19.73 -0.08 -0.68	19.25 -0.06 -0.92	21.12 -0.10 -0.29	22.89 -0.22 -1.35	25.27 -0.40 -3.45	26.78 -0.30 -7.38	29.30 -0.41 -2.26	22.29 -0.04 -2.69	17.25 0.23 -3.35	14.02 0.22 -3.45	15.15 0.30 -1.66
EMPIRE_CC_1 323656	19.10 0.70 -0.03	18.62 0.57 -2.94	17.13 0.58 -1.79	17.16 0.56 -2.17	17.73 0.56 -2.67	21.01 0.57 -5.75	29.11 1.03 -3.54	39.76 1.09 -12.16	34.10 0.92 -10.15	25.92 1.02 -0.11	23.95 0.89 0.19	22.93 0.89 0.09	22.04 0.82 -0.15	22.50 0.75 -2.62	22.73 0.72 -3.64	22.94 0.84 -1.17	28.03 0.87 -5.40	36.23 0.91 -13.10	48.00 0.83 -27.48	36.46 1.13 -7.89	30.59 0.83 -10.11	27.33 0.52 -13.15	24.62 0.39 -13.88	20.37 0.50 -6.69



EMPIRE_CC_2 323658	19.10 0.70 -0.03	18.62 0.57 -2.94	17.13 0.58 -1.79	17.16 0.56 -2.17	17.73 0.56 -2.67	21.01 0.57 -5.75	29.11 1.03 -3.54	39.76 1.09 -12.16	34.10 0.92 -10.15	25.92 1.02 -0.11	23.95 0.91 0.19	22.93 0.89 0.09	22.04 0.82 -0.15	22.50 0.75 -2.62	22.73 0.72 -3.64	22.94 0.84 -1.17	28.03 0.87 -5.40	36.23 0.91 -13.10	48.00 0.83 -27.48	36.46 1.13 -7.89	30.59 0.83 -10.11	27.33 0.52 -13.15	24.62 0.39 -13.88	20.37 0.50 -6.69
ENORWICH_115KV_TB1 80156	19.77 1.40 -0.01	17.31 1.07 -1.13	16.47 1.02 -0.69	16.26 1.00 -0.83	16.61 1.09 -1.03	18.02 1.12 -2.21	28.13 2.23 -1.36	33.81 2.62 -4.68	28.91 1.89 -4.00	26.67 1.79 -0.09	24.96 1.72 0.00	23.57 1.44 0.00	22.43 1.26 -0.09	21.25 1.07 -1.05	20.87 1.07 -1.43	22.80 1.42 -0.45	25.41 1.57 -2.09	29.40 1.84 -5.34	32.81 1.71 -11.41	33.47 2.52 -3.50	25.55 1.75 -4.15	19.98 1.13 -5.19	16.48 0.80 -5.34	16.81 1.05 -2.57
ERIE_ST__34_KV_TB1-2 80199	18.69 0.31 -0.01	15.71 -0.14 -0.74	15.17 -0.04 -0.45	14.95 -0.03 -0.55	15.11 -0.06 -0.67	16.13 -0.01 -1.45	25.04 -0.39 -0.89	28.94 -0.64 -3.07	25.28 -0.37 -2.62	24.93 0.07 -0.06	23.93 0.70 0.00	22.84 0.71 0.00	21.17 0.04 -0.06	19.70 -0.11 -0.69	19.20 -0.11 -0.94	21.06 -0.17 -0.29	22.84 -0.28 -1.37	25.28 -0.44 -3.50	26.86 -0.32 -7.49	29.33 -0.41 -2.29	22.27 -0.10 -2.73	17.24 0.18 -3.40	14.02 0.17 -3.50	15.11 0.24 -1.69
ERIE_WT_PWR 323693	18.52 0.15 -0.01	15.83 -0.02 -0.74	15.32 0.10 -0.45	15.08 0.10 -0.54	15.22 0.06 -0.67	16.24 0.10 -1.44	25.19 -0.25 -0.90	29.05 -0.53 -3.08	25.40 -0.25 -2.63	24.93 0.07 -0.06	23.72 0.49 0.00	22.66 0.53 0.00	21.21 0.08 -0.06	19.82 0.00 -0.69	19.32 0.00 -0.94	21.19 -0.04 -0.29	22.98 -0.15 -1.37	25.42 -0.31 -3.51	26.98 -0.22 -7.51	29.44 -0.30 -2.30	22.42 0.04 -2.73	17.34 0.27 -3.41	14.11 0.25 -3.51	15.22 0.34 -1.69
ESPRGFLD_115KV_TB1 80157	19.34 0.96 -0.02	17.40 0.76 -1.54	16.42 0.72 -0.94	16.27 0.71 -1.14	16.65 0.75 -1.40	18.47 0.76 -3.01	27.87 1.47 -1.86	34.61 1.72 -6.38	29.86 1.38 -5.45	26.36 1.44 -0.13	24.63 1.39 0.00	23.42 1.28 0.00	22.38 1.18 -0.13	21.58 1.01 -1.44	21.32 0.99 -1.95	22.70 1.15 -0.61	25.80 1.20 -2.85	30.83 1.33 -7.28	36.43 1.18 -15.56	33.97 1.76 -4.77	26.57 1.26 -5.66	21.55 0.82 -7.07	18.23 0.60 -7.28	17.48 0.79 -3.51
ETNA_115_KV_TB1_REV_LBMP_C 345029	19.00 0.62 -0.01	16.44 0.45 -0.88	15.76 0.46 -0.53	15.54 0.46 -0.65	15.79 0.49 -0.80	16.93 0.51 -1.72	26.56 0.96 -1.06	31.26 1.11 -3.64	27.06 0.92 -3.11	25.86 0.99 -0.07	24.19 0.95 0.00	23.00 0.86 0.00	21.88 0.74 -0.07	20.58 0.63 -0.82	20.11 0.62 -1.11	22.08 0.80 -0.35	24.23 0.85 -1.63	27.28 0.91 -4.15	29.41 0.85 -8.88	31.43 1.26 -2.72	23.80 0.92 -3.23	18.32 0.63 -4.03	14.97 0.47 -4.15	15.79 0.61 -2.00
ETNA_____115KV_TB2 80207	19.00 0.62 -0.01	16.44 0.45 -0.88	15.76 0.46 -0.53	15.54 0.46 -0.65	15.79 0.49 -0.80	16.93 0.51 -1.72	26.56 0.96 -1.06	31.26 1.11 -3.64	27.06 0.92 -3.11	25.86 0.99 -0.07	24.19 0.95 0.00	23.00 0.86 0.00	21.88 0.74 -0.07	20.58 0.63 -0.82	20.11 0.62 -1.11	22.08 0.80 -0.35	24.23 0.85 -1.63	27.28 0.91 -4.15	29.41 0.85 -8.88	31.43 1.26 -2.72	23.80 0.92 -3.23	18.32 0.63 -4.03	14.97 0.47 -4.15	15.79 0.61 -2.00
EUCLID__115KV_TB2 356179	18.32 -0.06 -0.01	15.58 -0.05 -0.52	15.05 -0.03 -0.32	14.78 -0.03 -0.38	14.97 0.00 -0.47	15.73 0.01 -1.02	25.16 0.00 -0.63	28.68 0.03 -2.15	24.91 0.05 -1.84	24.91 0.07 -0.04	23.31 0.07 0.00	22.20 0.07 0.00	21.15 0.04 -0.04	19.65 0.04 -0.48	19.07 0.04 -0.66	21.20 0.06 -0.21	22.78 0.07 -0.96	24.71 0.04 -2.45	24.99 0.06 -5.24	29.16 0.11 -1.61	21.69 0.14 -1.91	16.16 0.12 -2.38	12.90 0.09 -2.45	14.49 0.12 -1.18
E_CANADA_CAP_HY 24051	19.50 1.10 -0.04	19.15 0.91 -3.14	17.56 0.89 -1.91	17.62 0.88 -2.31	18.20 0.85 -2.85	21.75 0.93 -6.13	30.38 2.06 -3.78	41.73 2.25 -12.97	35.87 1.84 -11.00	26.94 1.94 -0.21	24.77 1.60 0.07	23.56 1.46 0.03	22.62 1.33 -0.23	23.25 1.24 -2.88	23.38 1.07 -3.94	23.54 1.36 -1.24	28.97 1.44 -5.79	38.43 1.69 -14.53	52.23 1.65 -30.89	39.08 2.36 -9.28	32.56 1.63 -11.28	29.06 1.13 -14.27	25.90 0.75 -14.80	21.24 0.92 -7.13
E_CANADA_MHWK_HY 24050	18.68 0.31 0.00	15.41 0.24 -0.06	15.04 0.24 -0.04	14.69 0.22 -0.05	14.78 0.23 -0.06	15.05 0.23 -0.12	24.89 0.27 -0.08	27.09 0.32 -0.27	23.46 0.21 -0.23	25.02 0.22 -0.01	23.47 0.23 0.00	22.33 0.20 0.00	21.24 0.17 -0.01	19.28 0.10 -0.06	18.48 0.02 -0.08	20.98 0.02 -0.03	21.91 0.04 -0.12	22.57 0.04 -0.30	20.36 0.02 -0.65	27.64 0.00 -0.20	19.86 -0.02 -0.24	13.98 0.03 -0.30	10.68 0.02 -0.30	13.37 0.04 -0.15
E_FISHKILL__LBMP 23776	19.39 0.99 -0.03	18.47 0.82 -2.55	17.09 0.78 -1.55	17.07 0.76 -1.88	17.58 0.77 -2.32	20.44 0.76 -4.98	28.98 1.37 -3.07	38.58 1.54 -10.54	33.51 1.36 -9.13	26.55 1.49 -0.27	24.77 1.44 -0.09	23.61 1.44 -0.04	22.72 1.39 -0.26	22.80 1.24 -2.43	22.81 1.18 -3.26	23.24 1.30 -1.01	27.78 1.31 -4.72	35.88 1.27 -12.40	47.61 1.16 -26.76	37.43 1.54 -8.45	30.49 1.16 -9.68	26.24 0.74 -11.85	22.96 0.59 -12.02	19.73 0.75 -5.79
FALCON__SEABRD_CC1 323796	18.53 0.16 0.00	15.22 0.12 0.00	14.84 0.07 0.00	14.50 0.07 0.00	14.54 0.04 0.00	14.72 0.03 0.00	24.69 0.15 0.00	26.59 0.08 0.00	23.12 0.09 0.00	24.82 0.02 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.22 0.15 0.00	19.32 0.19 0.00	18.52 0.15 0.00	21.12 0.19 0.00	22.03 0.28 0.00	22.53 0.31 0.00	19.91 0.22 0.00	27.66 0.22 0.00	19.53 -0.12 0.00	13.44 -0.22 0.00	10.13 -0.22 0.00	12.82 -0.37 0.00
FALCON__SEABRD_CC2 323797	18.53 0.16 0.00	15.22 0.12 0.00	14.84 0.07 0.00	14.50 0.07 0.00	14.54 0.04 0.00	14.72 0.03 0.00	24.69 0.15 0.00	26.59 0.08 0.00	23.12 0.09 0.00	24.82 0.02 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.22 0.15 0.00	19.32 0.19 0.00	18.52 0.15 0.00	21.12 0.19 0.00	22.03 0.28 0.00	22.53 0.31 0.00	19.91 0.22 0.00	27.66 0.22 0.00	19.53 -0.12 0.00	13.44 -0.22 0.00	10.13 -0.22 0.00	12.82 -0.37 0.00
FAR ROCKAWAY__4 23548	22.48 1.73 -2.39	20.19 1.40 -3.68	18.86 1.34 -2.75	18.43 1.31 -2.68	18.96 1.33 -3.14	23.31 1.34 -7.27	33.55 2.33 -6.68	39.50 2.60 -10.39	34.33 2.30 -9.00	29.53 2.55 -2.18	28.03 2.42 -2.38	27.16 2.39 -2.63	25.72 2.28 -2.38	27.16 2.03 -6.01	27.25 1.93 -6.94	28.91 2.14 -5.85	30.11 2.20 -6.16	36.44 2.00 -12.23	47.93 1.85 -26.39	38.31 2.52 -8.34	31.16 1.96 -9.55	30.05 1.28 -15.10	29.16 1.05 -17.77	22.40 1.32 -7.90
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	19.58 1.18 -0.04	18.59 0.95 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.83 1.93 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.08 1.86 -0.09	23.17 1.81 -0.30	23.20 1.61 -2.47	23.19 1.53 -3.28	23.66 1.63 -1.09	28.07 1.63 -4.68	36.02 1.58 -12.23	47.54 1.46 -26.39	37.65 1.87 -8.34	30.61 1.41 -9.55	26.23 0.87 -11.69	23.02 0.70 -11.97	19.85 0.91 -5.76



FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	19.58 1.18 -0.04	18.59 0.95 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.70 0.91 -2.30	20.53 0.90 -4.94	29.26 1.62 -3.10	38.83 1.93 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.08 1.86 -0.09	23.17 1.81 -0.30	23.20 1.61 -2.47	23.19 1.53 -3.28	23.66 1.63 -1.09	28.07 1.63 -4.68	36.02 1.58 -12.23	47.54 1.46 -26.39	37.68 1.89 -8.34	30.61 1.41 -9.55	26.23 0.87 -11.69	23.04 0.71 -11.97	19.85 0.91 -5.76
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	19.56 1.16 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.81 1.91 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.06 1.84 -0.09	23.15 1.79 -0.30	23.18 1.59 -2.47	23.17 1.51 -3.28	23.63 1.61 -1.09	28.07 1.63 -4.68	36.00 1.56 -12.23	47.52 1.44 -26.39	37.65 1.87 -8.34	30.59 1.39 -9.55	26.21 0.86 -11.69	23.02 0.70 -11.97	19.84 0.90 -5.76
FARRAGUT___LBMP 323566	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.78 1.88 -10.39	33.73 1.70 -9.00	26.94 1.83 -0.31	25.18 1.81 -0.13	24.04 1.81 -0.09	23.13 1.77 -0.30	23.16 1.57 -2.47	23.15 1.49 -3.28	23.61 1.59 -1.09	28.05 1.61 -4.68	36.00 1.56 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.01 0.69 -11.97	19.84 0.90 -5.76
FENNER___WINDPWR 24204	18.83 0.46 -0.01	15.96 0.35 -0.51	15.41 0.34 -0.31	15.14 0.33 -0.37	15.32 0.36 -0.46	16.07 0.38 -0.99	25.87 0.71 -0.62	29.51 0.87 -2.13	25.49 0.64 -1.83	25.48 0.64 -0.04	23.86 0.63 0.00	22.66 0.53 0.00	21.57 0.46 -0.04	20.01 0.40 -0.48	19.42 0.39 -0.65	21.64 0.50 -0.20	23.25 0.54 -0.95	25.27 0.62 -2.44	25.49 0.59 -5.21	29.92 0.88 -1.60	22.17 0.63 -1.89	16.45 0.42 -2.37	13.09 0.30 -2.44	14.75 0.40 -1.17
FIBERTEK___ENERGY 23856	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
FITZPATRICK____ 23598	18.00 -0.37 0.00	15.18 -0.30 -0.38	14.71 -0.28 -0.23	14.43 -0.27 -0.28	14.57 -0.26 -0.34	15.17 -0.26 -0.73	24.45 -0.54 -0.45	27.46 -0.58 -1.54	23.83 -0.51 -1.32	24.30 -0.52 -0.03	22.75 -0.49 0.00	21.67 -0.47 0.00	20.64 -0.46 -0.03	19.07 -0.40 -0.35	18.46 -0.39 -0.47	20.64 -0.44 -0.15	21.98 -0.46 -0.69	23.49 -0.49 -1.76	23.03 -0.41 -3.75	28.05 -0.55 -1.15	20.66 -0.35 -1.37	15.17 -0.19 -1.71	11.96 -0.14 -1.76	13.85 -0.18 -0.85
FLOWRFLD_69_KV_BK1 356044	22.73 1.98 -2.39	20.40 1.62 -3.68	19.08 1.56 -2.75	18.64 1.53 -2.68	19.18 1.55 -3.14	23.53 1.56 -7.27	37.98 2.87 -10.57	41.88 2.92 -12.46	37.32 2.72 -11.58	38.14 3.12 -10.22	28.58 2.90 -2.44	27.66 2.83 -2.69	26.14 2.70 -2.38	27.62 2.43 -6.07	31.92 2.33 -11.21	34.23 2.60 -10.70	38.80 2.57 -14.48	76.04 2.24 -51.58	81.61 2.05 -59.87	125.86 2.80 -95.61	86.38 2.16 -64.58	69.81 1.52 -54.64	36.66 1.23 -25.08	34.63 1.61 -19.83
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	19.59 1.19 -0.03	18.54 0.95 -2.49	17.16 0.89 -1.51	17.14 0.88 -1.83	17.61 0.86 -2.26	20.34 0.79 -4.85	28.98 1.45 -2.99	38.42 1.64 -10.27	33.35 1.45 -8.87	26.58 1.54 -0.25	24.74 1.44 -0.07	23.60 1.44 -0.03	22.74 1.43 -0.24	22.79 1.30 -2.36	22.79 1.25 -3.17	23.30 1.38 -0.98	27.79 1.44 -4.60	35.70 1.49 -11.99	46.88 1.36 -25.83	37.33 1.78 -8.10	30.28 1.28 -9.36	26.03 0.86 -11.51	22.73 0.66 -11.72	19.68 0.84 -5.65
FORT ORANGE____ 23900	18.91 0.51 -0.03	18.52 0.39 -3.03	17.01 0.41 -1.84	17.06 0.40 -2.22	17.61 0.38 -2.74	20.97 0.37 -5.90	28.91 0.74 -3.64	39.72 0.72 -12.50	34.17 0.58 -10.57	25.68 0.69 -0.19	23.73 0.58 0.09	22.64 0.55 0.04	21.82 0.55 -0.21	22.35 0.46 -2.76	22.62 0.46 -3.78	22.67 0.54 -1.20	27.91 0.59 -5.57	36.82 0.69 -13.91	49.87 0.65 -29.53	37.17 0.90 -8.82	31.09 0.65 -10.79	27.79 0.42 -13.71	24.90 0.29 -14.26	20.43 0.37 -6.87
FORT_DRUM_COGEN 23780	18.33 -0.04 0.00	15.36 -0.03 -0.29	14.87 -0.07 -0.18	14.59 -0.06 -0.21	14.76 0.00 -0.26	15.29 0.03 -0.56	25.52 0.64 -0.35	28.55 0.85 -1.19	24.46 0.41 -1.02	25.02 0.20 -0.02	23.38 0.14 0.00	22.13 0.00 -0.02	21.05 -0.04 -0.02	19.32 -0.08 -0.27	18.69 -0.06 -0.36	21.07 0.02 -0.11	22.37 0.09 -0.53	23.87 0.29 -1.36	22.97 0.37 -2.91	29.00 0.66 -0.89	21.12 0.41 -1.06	15.25 0.27 -1.32	11.90 0.19 -1.36	14.09 0.25 -0.66
FPL_FAR_ROCK_GT1 24212	22.48 1.73 -2.39	20.19 1.40 -3.68	18.88 1.36 -2.75	18.43 1.31 -2.68	18.96 1.33 -3.14	23.31 1.34 -7.27	33.56 2.33 -6.69	39.50 2.60 -10.40	34.34 2.30 -9.01	29.53 2.55 -2.18	28.03 2.42 -2.38	27.16 2.39 -2.63	25.72 2.28 -2.38	27.16 2.03 -6.01	27.25 1.93 -6.94	28.92 2.14 -5.85	30.11 2.20 -6.16	36.45 2.00 -12.23	47.95 1.85 -26.41	38.32 2.52 -8.35	31.18 1.96 -9.56	30.05 1.28 -15.11	29.17 1.05 -17.77	22.40 1.32 -7.90
FPL_FAR_ROCK_GT2 23815	22.48 1.73 -2.39	20.19 1.40 -3.68	18.88 1.36 -2.75	18.43 1.31 -2.68	18.96 1.33 -3.14	23.31 1.34 -7.27	33.56 2.33 -6.69	39.50 2.60 -10.40	34.34 2.30 -9.01	29.53 2.55 -2.18	28.03 2.42 -2.38	27.16 2.39 -2.63	25.72 2.28 -2.38	27.16 2.03 -6.01	27.25 1.93 -6.94	28.92 2.14 -5.85	30.11 2.20 -6.16	36.45 2.00 -12.23	47.95 1.85 -26.41	38.32 2.52 -8.35	31.18 1.96 -9.56	30.05 1.28 -15.11	29.17 1.05 -17.77	22.40 1.32 -7.90
FRANKLIN_FALL_HYD 24054	18.33 -0.04 0.00	15.07 -0.03 0.00	14.72 -0.04 0.00	14.37 -0.06 0.00	14.41 -0.09 0.00	14.61 -0.09 0.00	24.47 -0.07 0.00	26.40 -0.11 0.00	22.93 -0.09 0.00	24.55 -0.25 0.00	23.05 -0.19 0.00	21.87 -0.27 0.00	20.88 -0.19 0.00	19.01 -0.11 0.00	18.23 -0.15 0.00	20.79 -0.15 0.00	21.69 -0.07 0.00	22.17 -0.04 0.00	19.61 -0.08 0.00	27.28 -0.16 0.00	19.29 -0.35 0.00	13.32 -0.34 0.00	10.07 -0.28 0.00	12.75 -0.44 0.00
FREEPORT_EQUS_GT1 23764	22.39 1.63 -2.39	20.13 1.34 -3.68	18.82 1.30 -2.75	18.37 1.25 -2.68	18.91 1.28 -3.14	23.25 1.28 -7.27	33.48 2.26 -6.69	39.34 2.44 -10.40	34.25 2.21 -9.01	29.45 2.48 -2.18	27.87 2.25 -2.38	27.00 2.23 -2.63	25.57 2.13 -2.38	27.11 1.97 -6.01	27.20 1.88 -6.94	28.85 2.07 -5.85	30.02 2.11 -6.16	36.41 1.96 -12.23	47.91 1.81 -26.41	38.27 2.47 -8.35	31.06 1.85 -9.56	29.98 1.22 -15.11	29.12 0.99 -17.77	22.35 1.27 -7.90
FREEPORT___CT2 23818	22.39 1.63 -2.39	20.13 1.34 -3.68	18.82 1.30 -2.75	18.37 1.25 -2.68	18.91 1.28 -3.14	23.25 1.28 -7.27	33.48 2.26 -6.69	39.34 2.44 -10.40	34.25 2.21 -9.01	29.45 2.48 -2.18	27.87 2.25 -2.38	27.00 2.23 -2.63	25.57 2.13 -2.38	27.11 1.97 -6.01	27.20 1.88 -6.94	28.85 2.07 -5.85	30.02 2.11 -6.16	36.41 1.96 -12.23	47.91 1.81 -26.41	38.27 2.47 -8.35	31.06 1.85 -9.56	29.98 1.22 -15.11	29.12 0.99 -17.77	22.35 1.27 -7.90



FRESHKLS_33_KV_LOAD 356253	19.64 1.23 -0.04	18.66 1.03 -2.53	17.23 0.93 -1.54	17.20 0.91 -1.86	17.73 0.94 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.59 1.70 -10.39	33.52 1.50 -9.00	26.76 1.66 -0.31	25.04 1.67 -0.13	23.95 1.73 -0.09	23.11 1.75 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	28.00 1.57 -4.69	35.91 1.47 -12.23	47.46 1.38 -26.39	37.48 1.70 -8.34	30.55 1.36 -9.55	26.17 0.82 -11.69	23.07 0.75 -11.97	19.85 0.91 -5.76
FULTON COGEN____ 23766	18.26 -0.11 -0.01	15.48 -0.09 -0.47	14.97 -0.07 -0.28	14.70 -0.07 -0.34	14.86 -0.06 -0.42	15.56 -0.04 -0.91	25.71 0.61 -0.56	29.20 0.77 -1.93	25.29 0.62 -1.65	25.53 0.69 -0.04	23.89 0.65 0.00	22.73 0.60 0.00	21.63 0.53 -0.04	20.02 0.46 -0.43	19.41 0.44 -0.59	21.68 0.57 -0.18	23.20 0.59 -0.86	25.04 0.62 -2.20	24.96 0.57 -4.70	29.76 0.88 -1.44	22.03 0.67 -1.71	16.23 0.44 -2.14	12.88 0.33 -2.20	14.68 0.44 -1.06
FULTON____LFGE 323630	19.83 1.43 -0.04	19.41 1.16 -3.14	17.82 1.15 -1.91	17.90 1.15 -2.31	18.43 1.09 -2.85	22.03 1.21 -6.13	30.65 2.33 -3.78	42.03 2.54 -12.97	36.12 2.10 -11.00	27.24 2.23 -0.21	25.00 1.84 0.07	23.74 1.64 0.03	22.83 1.54 -0.23	23.48 1.47 -2.88	23.69 1.38 -3.94	23.89 1.72 -1.24	29.34 1.80 -5.79	38.84 2.09 -14.53	52.56 1.99 -30.89	39.55 2.83 -9.28	32.89 1.96 -11.28	29.24 1.31 -14.27	26.00 0.85 -14.80	21.36 1.04 -7.13
G.F.CEMENT____DRP 24184	19.34 0.94 -0.04	18.96 0.74 -3.12	17.38 0.72 -1.89	17.46 0.74 -2.29	18.12 0.80 -2.83	21.64 0.85 -6.09	30.03 1.74 -3.75	41.49 2.09 -12.89	35.68 1.75 -10.91	26.88 1.88 -0.20	24.82 1.67 0.09	23.64 1.55 0.04	22.53 1.24 -0.22	23.13 1.15 -2.85	23.40 1.12 -3.90	23.49 1.32 -1.23	28.74 1.24 -5.74	37.98 1.42 -14.34	51.48 1.36 -30.43	38.50 1.98 -9.08	32.15 1.38 -11.13	28.67 0.87 -14.13	25.65 0.60 -14.70	21.01 0.74 -7.09
GARDENVILLE____LBMP 24039	18.47 0.09 -0.01	15.78 -0.06 -0.74	15.26 0.04 -0.45	15.03 0.06 -0.54	15.19 0.03 -0.67	16.20 0.06 -1.44	25.13 -0.29 -0.89	28.95 -0.61 -3.05	25.31 -0.32 -2.61	24.85 0.00 -0.06	23.63 0.40 0.00	22.55 0.42 0.00	21.15 0.02 -0.06	19.76 -0.06 -0.69	19.27 -0.04 -0.93	21.12 -0.10 -0.29	22.92 -0.20 -1.36	25.33 -0.38 -3.49	26.87 -0.28 -7.45	29.37 -0.36 -2.28	22.34 -0.02 -2.71	17.28 0.23 -3.39	14.05 0.22 -3.49	15.17 0.30 -1.68
GARDNVLA_35_KV_LD 355827	18.56 0.18 -0.01	15.84 0.00 -0.74	15.32 0.10 -0.45	15.09 0.12 -0.54	15.24 0.07 -0.67	16.26 0.12 -1.44	25.23 -0.20 -0.89	29.06 -0.50 -3.05	25.41 -0.23 -2.61	24.95 0.10 -0.06	23.75 0.51 0.00	22.69 0.55 0.00	21.23 0.11 -0.06	19.83 0.02 -0.69	19.35 0.04 -0.93	21.20 -0.02 -0.29	23.01 -0.11 -1.36	25.41 -0.29 -3.48	26.96 -0.18 -7.45	29.48 -0.25 -2.28	22.42 0.06 -2.71	17.35 0.30 -3.39	14.10 0.27 -3.48	15.23 0.37 -1.68
GELCKHM__115KV_LOAD 80723	18.41 0.04 -0.01	15.67 0.03 -0.54	15.14 0.04 -0.33	14.87 0.04 -0.40	15.04 0.06 -0.49	15.84 0.09 -1.06	25.39 0.20 -0.65	28.98 0.24 -2.24	25.14 0.21 -1.91	25.11 0.27 -0.04	23.49 0.26 0.00	22.38 0.24 0.00	21.30 0.19 -0.04	19.80 0.17 -0.50	19.23 0.17 -0.68	21.38 0.23 -0.21	22.97 0.22 -1.00	24.99 0.22 -2.55	25.36 0.22 -5.45	29.45 0.33 -1.67	21.93 0.29 -1.98	16.36 0.22 -2.48	13.07 0.17 -2.55	14.64 0.22 -1.23
GENERAL____MILLS 23808	18.52 0.15 -0.01	15.81 -0.03 -0.74	15.29 0.07 -0.45	15.06 0.09 -0.54	15.21 0.04 -0.67	16.23 0.09 -1.44	25.18 -0.25 -0.89	29.00 -0.56 -3.05	25.36 -0.28 -2.61	24.90 0.05 -0.06	23.70 0.46 0.00	22.64 0.51 0.00	21.19 0.06 -0.06	19.80 -0.02 -0.69	19.31 0.00 -0.93	21.16 -0.06 -0.29	22.96 -0.15 -1.36	25.37 -0.33 -3.48	26.92 -0.22 -7.45	29.43 -0.30 -2.28	22.38 0.02 -2.71	17.30 0.26 -3.39	14.08 0.25 -3.48	15.19 0.33 -1.68
GE_PLASTICS____DRP 24183	18.97 0.57 -0.03	18.57 0.44 -3.03	17.06 0.46 -1.84	17.09 0.43 -2.23	17.68 0.43 -2.75	21.04 0.43 -5.92	28.97 0.79 -3.65	39.83 0.80 -12.52	34.34 0.69 -10.62	25.79 0.79 -0.21	23.86 0.70 0.07	22.79 0.69 0.03	21.94 0.65 -0.22	22.50 0.59 -2.78	22.75 0.57 -3.80	22.78 0.65 -1.20	28.01 0.67 -5.58	36.93 0.71 -14.01	50.08 0.63 -29.76	37.28 0.91 -8.93	31.17 0.65 -10.87	27.85 0.42 -13.76	24.95 0.31 -14.29	20.47 0.40 -6.89
GILBOA____1 23756	19.07 0.68 -0.03	18.16 0.54 -2.51	16.82 0.53 -1.52	16.80 0.52 -1.85	17.29 0.52 -2.28	20.12 0.53 -4.90	28.49 0.93 -3.02	37.83 0.95 -10.37	32.79 0.90 -8.87	25.99 0.99 -0.21	24.19 0.95 0.00	23.06 0.93 0.00	22.14 0.86 -0.21	22.25 0.78 -2.34	22.30 0.75 -3.17	22.76 0.84 -0.99	27.26 0.87 -4.63	34.92 0.87 -11.84	45.69 0.69 -25.31	36.27 1.07 -7.76	29.64 0.79 -9.21	25.68 0.52 -11.50	22.59 0.40 -11.84	19.40 0.51 -5.70
GILBOA____2 23757	19.07 0.68 -0.03	18.16 0.54 -2.51	16.82 0.53 -1.52	16.80 0.52 -1.85	17.29 0.52 -2.28	20.12 0.53 -4.90	28.49 0.93 -3.02	37.83 0.95 -10.37	32.79 0.90 -8.87	25.99 0.99 -0.21	24.19 0.95 0.00	23.06 0.93 0.00	22.14 0.86 -0.21	22.25 0.78 -2.34	22.30 0.75 -3.17	22.76 0.84 -0.99	27.26 0.87 -4.63	34.92 0.87 -11.84	45.69 0.69 -25.31	36.27 1.07 -7.76	29.64 0.79 -9.21	25.68 0.52 -11.50	22.59 0.40 -11.84	19.40 0.51 -5.70
GILBOA____3 23758	19.07 0.68 -0.03	18.16 0.54 -2.51	16.82 0.53 -1.52	16.80 0.52 -1.85	17.29 0.52 -2.28	20.12 0.53 -4.90	28.49 0.93 -3.02	37.83 0.95 -10.37	32.79 0.90 -8.87	25.99 0.99 -0.21	24.19 0.95 0.00	23.06 0.93 0.00	22.14 0.86 -0.21	22.25 0.78 -2.34	22.30 0.75 -3.17	22.76 0.84 -0.99	27.26 0.87 -4.63	34.92 0.87 -11.84	45.69 0.69 -25.31	36.27 1.07 -7.76	29.64 0.79 -9.21	25.68 0.52 -11.50	22.59 0.40 -11.84	19.40 0.51 -5.70
GILBOA____4 23759	19.07 0.68 -0.03	18.16 0.54 -2.51	16.82 0.53 -1.52	16.80 0.52 -1.85	17.29 0.52 -2.28	20.12 0.53 -4.90	28.49 0.93 -3.02	37.83 0.95 -10.37	32.79 0.90 -8.87	25.99 0.99 -0.21	24.19 0.95 0.00	23.06 0.93 0.00	22.14 0.86 -0.21	22.25 0.78 -2.34	22.30 0.75 -3.17	22.76 0.84 -0.99	27.26 0.87 -4.63	34.92 0.87 -11.84	45.69 0.69 -25.31	36.27 1.07 -7.76	29.64 0.79 -9.21	25.68 0.52 -11.50	22.59 0.40 -11.84	19.40 0.51 -5.70
GILBOA____ 23599	19.07 0.68 -0.03	18.16 0.54 -2.51	16.82 0.53 -1.52	16.80 0.52 -1.85	17.29 0.52 -2.28	20.12 0.53 -4.90	28.49 0.93 -3.02	37.83 0.95 -10.37	32.79 0.90 -8.87	25.99 0.99 -0.21	24.19 0.95 0.00	23.06 0.93 0.00	22.14 0.86 -0.21	22.25 0.78 -2.34	22.30 0.75 -3.17	22.76 0.84 -0.99	27.25 0.87 -4.63	34.91 0.87 -11.83	45.68 0.69 -25.30	36.27 1.07 -7.75	29.64 0.79 -9.21	25.67 0.52 -11.50	22.58 0.40 -11.83	19.40 0.51 -5.70
GINNA____ 23603	17.55 -0.83 -0.01	15.12 -0.59 -0.61	14.60 -0.53 -0.37	14.33 -0.55 -0.45	14.54 -0.51 -0.55	15.43 -0.46 -1.19	24.37 -0.91 -0.74	28.03 -1.01 -2.53	24.43 -0.76 -2.17	24.08 -0.77 -0.05	22.45 -0.79 0.00	21.40 -0.73 0.00	20.36 -0.76 -0.05	18.99 -0.71 -0.57	18.51 -0.64 -0.77	20.49 -0.69 -0.24	22.19 -0.70 -1.13	24.35 -0.76 -2.89	25.26 -0.61 -6.18	28.46 -0.88 -1.89	21.33 -0.57 -2.25	16.13 -0.34 -2.81	12.98 -0.26 -2.89	14.26 -0.32 -1.39



GLEN PARK____ 23778	18.41 0.04 0.00	15.42 0.02 -0.30	14.92 -0.03 -0.18	14.64 -0.01 -0.22	14.81 0.04 -0.27	15.35 0.07 -0.59	25.69 0.76 -0.39	28.86 1.01 -1.35	24.69 0.51 -1.16	25.12 0.30 -0.03	23.44 0.21 0.00	22.20 0.07 0.00	21.12 0.02 -0.03	19.41 -0.02 -0.30	18.79 0.00 -0.41	21.15 0.08 -0.13	22.53 0.17 -0.60	24.16 0.40 -1.54	23.46 0.47 -3.30	29.31 0.85 -1.01	21.38 0.53 -1.20	15.51 0.35 -1.50	12.13 0.24 -1.54	14.24 0.32 -0.74
GLENDALDE_27_KV_LOAD 356172	19.55 1.14 -0.04	18.59 0.95 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.83 1.93 -10.39	33.73 1.70 -9.00	26.96 1.86 -0.31	25.21 1.84 -0.13	24.08 1.86 -0.09	23.22 1.85 -0.30	23.24 1.64 -2.47	23.22 1.56 -3.28	23.64 1.61 -1.09	28.09 1.65 -4.69	36.04 1.60 -12.23	47.56 1.48 -26.39	37.65 1.87 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.04 0.71 -11.97	19.83 0.88 -5.76
GLENWOOD_IC_1_G5 23712	22.18 1.43 -2.39	19.95 1.16 -3.68	18.64 1.12 -2.75	18.21 1.10 -2.68	18.75 1.12 -3.14	23.07 1.10 -7.27	33.21 1.99 -6.68	39.13 2.23 -10.39	34.01 1.98 -9.00	29.16 2.18 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.93 1.80 -6.01	27.03 1.71 -6.94	28.66 1.88 -5.85	29.82 1.91 -6.16	36.27 1.82 -12.23	47.76 1.67 -26.39	38.03 2.25 -8.34	30.87 1.67 -9.55	29.86 1.09 -15.10	28.99 0.87 -17.77	22.19 1.11 -7.90
GLENWOOD_IC_2_G1 23688	22.07 1.32 -2.39	19.86 1.07 -3.68	18.55 1.03 -2.75	18.12 1.01 -2.68	18.66 1.03 -3.14	22.98 1.01 -7.27	33.07 1.84 -6.69	38.94 2.04 -10.40	33.88 1.84 -9.01	29.01 2.03 -2.18	27.57 1.95 -2.38	26.71 1.95 -2.63	25.32 1.87 -2.38	26.82 1.68 -6.01	26.92 1.60 -6.94	28.52 1.74 -5.85	29.67 1.76 -6.16	36.14 1.69 -12.23	47.65 1.56 -26.41	37.86 2.06 -8.35	30.74 1.53 -9.56	29.76 1.00 -15.11	28.93 0.81 -17.77	22.10 1.02 -7.90
GLENWOOD_IC_3_G1 23689	22.07 1.32 -2.39	19.86 1.07 -3.68	18.55 1.03 -2.75	18.12 1.01 -2.68	18.66 1.03 -3.14	22.98 1.01 -7.27	33.07 1.84 -6.69	38.94 2.04 -10.40	33.88 1.84 -9.01	29.01 2.03 -2.18	27.57 1.95 -2.38	26.71 1.95 -2.63	25.32 1.87 -2.38	26.82 1.68 -6.01	26.92 1.60 -6.94	28.52 1.74 -5.85	29.67 1.76 -6.16	36.14 1.69 -12.23	47.65 1.56 -26.41	37.86 2.06 -8.35	30.74 1.53 -9.56	29.76 1.00 -15.11	28.93 0.81 -17.77	22.10 1.02 -7.90
GLENWOOD____4 23550	22.18 1.43 -2.39	19.95 1.16 -3.68	18.64 1.12 -2.75	18.21 1.10 -2.68	18.75 1.12 -3.14	23.07 1.10 -7.27	33.21 1.99 -6.68	39.13 2.23 -10.39	34.01 1.98 -9.00	29.16 2.18 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.93 1.80 -6.01	27.03 1.71 -6.94	28.66 1.88 -5.85	29.82 1.91 -6.16	36.27 1.82 -12.23	47.76 1.67 -26.39	38.03 2.25 -8.34	30.87 1.67 -9.55	29.86 1.09 -15.10	28.99 0.87 -17.77	22.19 1.11 -7.90
GLENWOOD____5 23614	22.18 1.43 -2.39	19.95 1.16 -3.68	18.64 1.12 -2.75	18.21 1.10 -2.68	18.75 1.12 -3.14	23.07 1.10 -7.27	33.21 1.99 -6.68	39.13 2.23 -10.39	34.01 1.98 -9.00	29.16 2.18 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.93 1.80 -6.01	27.03 1.71 -6.94	28.66 1.88 -5.85	29.82 1.91 -6.16	36.27 1.82 -12.23	47.76 1.67 -26.39	38.03 2.25 -8.34	30.87 1.67 -9.55	29.86 1.09 -15.10	28.99 0.87 -17.77	22.19 1.11 -7.90
GLOBAL GREEN_PORT_GT1 23814	23.47 2.72 -2.39	21.02 2.23 -3.68	19.72 2.20 -2.75	19.27 2.15 -2.68	19.79 2.16 -3.14	24.11 2.15 -7.27	38.66 3.83 -10.29	42.89 4.08 -12.30	40.57 3.68 -13.86	38.65 4.14 -9.71	29.55 3.86 -2.46	28.54 3.70 -2.71	26.93 3.48 -2.39	28.39 3.18 -6.09	32.40 3.07 -10.95	34.79 3.45 -10.40	39.32 3.61 -13.96	74.58 3.40 -48.97	80.46 3.07 -57.70	121.48 4.20 -89.84	83.81 3.18 -60.98	67.86 2.14 -52.05	36.66 1.69 -24.62	34.33 2.12 -19.03
GLOBE____DSASP 323697	17.75 -0.62 -0.01	15.39 -0.42 -0.71	14.90 -0.30 -0.43	14.68 -0.27 -0.52	14.82 -0.32 -0.65	15.79 -0.29 -1.39	24.46 -0.93 -0.86	28.04 -1.40 -2.94	24.57 -0.97 -2.51	24.06 -0.79 -0.06	22.70 -0.53 0.00	21.69 -0.44 0.00	20.54 -0.59 -0.06	19.23 -0.55 -0.66	18.78 -0.50 -0.90	20.59 -0.63 -0.28	22.30 -0.76 -1.31	24.59 -0.98 -3.35	26.03 -0.83 -7.17	28.49 -1.15 -2.20	21.74 -0.51 -2.61	16.83 -0.08 -3.26	13.70 0.00 -3.35	14.87 0.07 -1.62
GOETHSLN____LBMP 323567	19.49 1.08 -0.04	18.51 0.88 -2.53	17.15 0.84 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.46 0.82 -4.94	29.08 1.45 -3.10	38.62 1.72 -10.39	33.59 1.57 -9.00	26.79 1.69 -0.31	25.07 1.70 -0.13	23.95 1.73 -0.09	23.05 1.69 -0.30	23.09 1.49 -2.47	23.06 1.40 -3.28	23.51 1.49 -1.09	27.94 1.50 -4.68	35.84 1.40 -12.23	47.38 1.30 -26.39	37.46 1.67 -8.34	30.49 1.30 -9.55	26.13 0.78 -11.69	22.95 0.63 -11.97	19.79 0.84 -5.76
GOLAH____69_KV_TB 1_2 80279	18.50 0.13 -0.01	15.95 0.23 -0.62	15.41 0.27 -0.38	15.15 0.26 -0.46	15.32 0.26 -0.57	16.25 0.34 -1.22	25.56 0.27 -0.75	29.22 0.13 -2.58	25.55 0.32 -2.20	25.27 0.42 -0.05	23.63 0.40 0.00	22.51 0.38 0.00	21.39 0.27 -0.05	19.94 0.23 -0.58	19.42 0.26 -0.79	21.47 0.29 -0.25	23.21 0.30 -1.15	25.36 0.20 -2.94	26.22 0.24 -6.29	29.70 0.33 -1.93	22.33 0.39 -2.29	16.91 0.40 -2.86	13.63 0.34 -2.94	15.05 0.45 -1.42
GOODYEAR_LAKE_HYD 323669	19.28 0.90 -0.02	17.36 0.71 -1.54	16.38 0.68 -0.94	16.23 0.66 -1.14	16.59 0.70 -1.40	18.41 0.71 -3.01	27.75 1.35 -1.86	34.42 1.54 -6.38	29.75 1.27 -5.45	26.24 1.31 -0.13	24.54 1.30 0.00	23.33 1.20 0.00	22.29 1.10 -0.13	21.52 0.96 -1.44	21.26 0.94 -1.95	22.63 1.09 -0.61	25.73 1.13 -2.85	30.69 1.20 -7.28	36.31 1.06 -15.56	33.81 1.59 -4.77	26.45 1.14 -5.66	21.48 0.75 -7.07	18.19 0.56 -7.28	17.42 0.73 -3.51
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	18.91 0.53 -0.01	16.58 0.35 -1.12	15.82 0.37 -0.68	15.62 0.36 -0.83	15.89 0.38 -1.02	17.26 0.37 -2.19	26.51 0.61 -1.35	31.81 0.66 -4.64	27.62 0.62 -3.97	25.63 0.74 -0.09	24.07 0.84 0.00	22.93 0.80 0.00	21.77 0.61 -0.09	20.69 0.52 -1.05	20.29 0.50 -1.42	21.96 0.59 -0.44	24.41 0.59 -2.07	28.12 0.60 -5.30	31.55 0.53 -11.33	31.71 0.80 -3.47	24.42 0.65 -4.12	19.27 0.46 -5.15	16.01 0.36 -5.30	16.23 0.49 -2.55
GOUDEY____7 23579	18.93 0.55 -0.01	16.59 0.36 -1.12	15.82 0.37 -0.68	15.63 0.38 -0.83	15.91 0.39 -1.02	17.27 0.38 -2.19	26.53 0.64 -1.35	31.84 0.69 -4.64	27.64 0.64 -3.97	25.68 0.79 -0.09	24.10 0.86 0.00	22.95 0.82 0.00	21.79 0.63 -0.09	20.71 0.54 -1.05	20.31 0.51 -1.42	22.01 0.63 -0.44	24.44 0.61 -2.07	28.14 0.62 -5.30	31.59 0.57 -11.33	31.77 0.85 -3.47	24.44 0.67 -4.12	19.29 0.48 -5.15	16.01 0.36 -5.30	16.24 0.50 -2.55
GOUDEY____8 23580	18.91 0.53 -0.01	16.58 0.35 -1.12	15.82 0.37 -0.68	15.62 0.36 -0.83	15.89 0.38 -1.02	17.26 0.37 -2.19	26.51 0.61 -1.35	31.81 0.66 -4.64	27.62 0.62 -3.97	25.63 0.74 -0.09	24.07 0.84 0.00	22.93 0.80 0.00	21.77 0.61 -0.09	20.69 0.52 -1.05	20.29 0.50 -1.42	21.96 0.59 -0.44	24.41 0.59 -2.07	28.12 0.60 -5.30	31.55 0.53 -11.33	31.71 0.80 -3.47	24.42 0.65 -4.12	19.27 0.46 -5.15	16.01 0.36 -5.30	16.23 0.49 -2.55



GOWANUS_GT1_1 24077	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_2 24078	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_3 24079	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_4 24080	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_5 24084	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_6 24111	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_7 24112	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT1_8 24113	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT2_1 24114	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_2 24115	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_3 24116	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_4 24117	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_5 24118	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_6 24119	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT2_7 24120	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76



GOWANUS_GT2_8 24121	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_1 24122	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_2 24123	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_3 24124	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_4 24125	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_5 24126	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_6 24127	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_7 24128	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT3_8 24129	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
GOWANUS_GT4_1 24130	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_2 24131	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_3 24132	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_4 24133	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_5 24134	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_6 24135	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76



GOWANUS_GT4_7 24136	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GOWANUS_GT4_8 24137	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GREENBSH_115KV_TB3 55895	18.84 0.44 -0.03	18.49 0.35 -3.04	16.99 0.38 -1.84	17.03 0.36 -2.24	17.58 0.33 -2.76	20.95 0.32 -5.93	28.83 0.64 -3.66	39.67 0.61 -12.55	34.16 0.53 -10.61	25.58 0.60 -0.19	23.65 0.51 0.10	22.57 0.49 0.05	21.76 0.48 -0.20	22.34 0.44 -2.77	22.60 0.42 -3.80	22.64 0.50 -1.20	27.87 0.52 -5.59	36.74 0.60 -13.92	49.75 0.55 -29.51	37.02 0.80 -8.77	31.01 0.57 -10.80	27.77 0.37 -13.75	24.93 0.26 -14.32	20.42 0.33 -6.90
GREENDGE_115KV_TB5 80291	18.85 0.48 -0.01	16.24 0.32 -0.81	15.61 0.35 -0.49	15.39 0.36 -0.60	15.62 0.39 -0.74	16.71 0.43 -1.59	26.21 0.69 -0.98	30.69 0.82 -3.36	26.64 0.74 -2.88	25.75 0.89 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.79 0.65 -0.07	20.44 0.55 -0.76	19.94 0.53 -1.03	21.93 0.67 -0.32	23.97 0.72 -1.50	26.77 0.71 -3.84	28.61 0.71 -8.21	30.98 1.02 -2.52	23.42 0.79 -2.99	17.94 0.55 -3.73	14.59 0.40 -3.84	15.58 0.54 -1.85
GREENIDGE___3 23582	18.85 0.48 -0.01	16.24 0.32 -0.81	15.61 0.35 -0.49	15.39 0.36 -0.60	15.62 0.39 -0.74	16.71 0.43 -1.59	26.21 0.69 -0.98	30.69 0.82 -3.36	26.64 0.74 -2.88	25.75 0.89 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.79 0.65 -0.07	20.44 0.55 -0.76	19.94 0.53 -1.03	21.93 0.67 -0.32	23.97 0.72 -1.50	26.77 0.71 -3.84	28.61 0.71 -8.21	30.98 1.02 -2.52	23.42 0.79 -2.99	17.94 0.55 -3.73	14.59 0.40 -3.84	15.58 0.54 -1.85
GREENIDGE___4 23583	18.85 0.48 -0.01	16.24 0.32 -0.81	15.61 0.35 -0.49	15.39 0.36 -0.60	15.62 0.39 -0.74	16.71 0.43 -1.59	26.21 0.69 -0.99	30.72 0.82 -3.39	26.66 0.74 -2.90	25.75 0.89 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.79 0.65 -0.07	20.45 0.56 -0.76	19.95 0.53 -1.04	21.93 0.67 -0.32	23.98 0.72 -1.51	26.79 0.71 -3.87	28.66 0.71 -8.27	30.99 1.02 -2.53	23.44 0.79 -3.01	17.96 0.55 -3.76	14.62 0.40 -3.87	15.59 0.54 -1.86
GREENLWN_69_KV_BK 3 55738	22.40 1.65 -2.39	20.13 1.34 -3.68	18.80 1.28 -2.75	18.38 1.27 -2.68	18.91 1.28 -3.14	23.26 1.29 -7.27	33.51 2.40 -6.57	39.24 2.41 -10.33	33.59 2.21 -8.35	29.26 2.48 -1.98	27.93 2.30 -2.39	27.08 2.30 -2.65	25.66 2.21 -2.38	27.08 1.93 -6.02	27.02 1.80 -6.84	28.65 1.99 -5.73	29.71 2.00 -5.95	35.13 1.73 -11.18	46.83 1.61 -25.53	35.68 2.20 -6.04	29.48 1.71 -8.12	28.91 1.17 -14.08	28.92 0.98 -17.59	22.05 1.29 -7.57
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76
GRISSOM___SOLAR 323813	19.83 1.43 -0.04	19.41 1.16 -3.14	17.82 1.15 -1.91	17.90 1.15 -2.31	18.43 1.09 -2.85	22.03 1.21 -6.13	30.65 2.33 -3.78	42.03 2.54 -12.97	36.12 2.10 -11.00	27.24 2.23 -0.21	25.00 1.84 0.07	23.74 1.64 0.03	22.83 1.54 -0.23	23.48 1.47 -2.88	23.69 1.38 -3.94	23.89 1.72 -1.24	29.34 1.80 -5.79	38.84 2.09 -14.53	52.56 1.99 -30.89	39.55 2.83 -9.28	32.89 1.96 -11.28	29.24 1.31 -14.27	26.00 0.85 -14.80	21.36 1.04 -7.13
GROVEVILLE___HYD 323602	19.59 1.19 -0.03	18.54 0.95 -2.49	17.16 0.89 -1.51	17.14 0.88 -1.83	17.61 0.86 -2.26	20.34 0.79 -4.85	28.98 1.45 -2.99	38.42 1.64 -10.27	33.35 1.45 -8.87	26.58 1.54 -0.25	24.74 1.44 -0.07	23.60 1.44 -0.03	22.74 1.43 -0.24	22.79 1.30 -2.36	22.79 1.25 -3.17	23.30 1.38 -0.98	27.79 1.44 -4.60	35.70 1.49 -11.99	46.88 1.36 -25.83	37.33 1.78 -8.10	30.28 1.28 -9.36	26.03 0.86 -11.51	22.73 0.66 -11.72	19.68 0.84 -5.65
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
HAMLTNNY_34_KV_TB 80303	18.67 0.29 -0.01	15.93 0.23 -0.60	15.38 0.25 -0.37	15.12 0.25 -0.44	15.32 0.28 -0.55	16.18 0.31 -1.18	25.80 0.54 -0.73	29.66 0.66 -2.49	25.73 0.58 -2.13	25.51 0.67 -0.05	23.86 0.63 0.00	22.73 0.60 0.00	21.62 0.51 -0.05	20.13 0.44 -0.56	19.58 0.44 -0.76	21.74 0.57 -0.24	23.43 0.57 -1.11	25.66 0.60 -2.84	26.32 0.55 -6.08	30.13 0.82 -1.86	22.49 0.63 -2.21	16.86 0.44 -2.76	13.52 0.33 -2.84	14.99 0.44 -1.37
HAMPSHIRE___PAPER_HYD 323593	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.63 -0.22 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.70 -0.02 -0.19	27.20 0.05 -0.64	23.46 -0.11 -0.55	24.44 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.77 -0.50 -0.14	18.10 -0.48 -0.20	20.49 -0.50 -0.06	21.54 -0.50 -0.29	22.55 -0.40 -0.73	20.94 -0.32 -1.57	27.57 -0.36 -0.48	19.90 -0.32 -0.57	14.19 -0.18 -0.71	10.96 -0.12 -0.73	13.37 -0.17 -0.35
HARDSCRABBLE_WT_PWR 323673	18.62 0.26 0.00	15.38 0.21 -0.06	14.99 0.19 -0.04	14.66 0.19 -0.05	14.74 0.19 -0.06	15.01 0.19 -0.12	24.84 0.22 -0.08	27.01 0.24 -0.27	23.42 0.16 -0.23	24.97 0.17 -0.01	23.44 0.21 0.00	22.29 0.16 0.00	21.20 0.13 -0.01	19.24 0.06 -0.06	18.44 -0.02 -0.08	20.94 -0.02 -0.03	21.85 -0.02 -0.12	22.52 0.00 -0.30	20.30 -0.04 -0.65	27.56 -0.08 -0.20	19.79 -0.10 -0.24	13.93 -0.03 -0.30	10.63 -0.02 -0.30	13.32 -0.01 -0.15
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	19.51 1.12 -0.03	18.26 0.89 -2.27	16.98 0.84 -1.37	16.92 0.82 -1.67	17.35 0.80 -2.06	19.87 0.75 -4.42	28.59 1.33 -2.72	37.40 1.54 -9.35	32.47 1.36 -8.09	26.49 1.46 -0.24	24.70 1.39 -0.07	23.56 1.39 -0.03	22.68 1.39 -0.22	22.52 1.24 -2.15	22.46 1.19 -2.89	23.15 1.32 -0.90	27.31 1.37 -4.19	34.58 1.40 -10.96	44.59 1.28 -23.62	36.55 1.67 -7.43	29.40 1.20 -8.55	24.95 0.79 -10.50	21.65 0.62 -10.67	19.12 0.79 -5.14



HARSNRAD_115KV_TB1 81005	18.21 -0.17 -0.01	15.73 -0.08 -0.70	15.22 0.03 -0.43	15.00 0.06 -0.52	15.13 0.00 -0.64	16.11 0.04 -1.37	24.97 -0.42 -0.84	28.58 -0.82 -2.90	25.04 -0.46 -2.48	24.60 -0.25 -0.06	23.24 0.00 0.00	22.20 0.07 0.00	20.96 -0.17 -0.06	19.59 -0.19 -0.65	19.12 -0.15 -0.88	21.00 -0.21 -0.28	22.72 -0.33 -1.29	25.01 -0.51 -3.30	26.34 -0.41 -7.07	29.06 -0.55 -2.16	22.10 -0.12 -2.57	17.05 0.18 -3.21	13.84 0.19 -3.30	15.04 0.26 -1.59
HARZA MOOSE__RIVER 24016	18.55 0.18 0.00	15.43 0.15 -0.17	14.99 0.12 -0.11	14.67 0.12 -0.13	14.81 0.16 -0.16	15.21 0.18 -0.34	25.26 0.52 -0.21	27.88 0.66 -0.71	24.00 0.37 -0.61	25.08 0.27 -0.01	23.47 0.23 0.00	22.24 0.11 0.00	21.17 0.08 -0.01	19.35 0.06 -0.16	18.65 0.06 -0.22	21.13 0.13 -0.07	22.25 0.17 -0.32	23.32 0.29 -0.82	21.75 0.32 -1.74	28.50 0.52 -0.53	20.62 0.33 -0.63	14.67 0.22 -0.79	11.31 0.14 -0.82	13.78 0.20 -0.39
HDSNBRDG_115KV_BRDG_TB1 355580	18.43 0.06 -0.01	15.69 0.05 -0.54	15.14 0.04 -0.33	14.89 0.06 -0.40	15.06 0.07 -0.49	15.84 0.09 -1.06	25.34 0.15 -0.65	28.96 0.21 -2.24	25.12 0.18 -1.91	25.06 0.22 -0.05	23.47 0.23 0.00	22.35 0.22 0.00	21.28 0.17 -0.05	19.78 0.15 -0.50	19.23 0.17 -0.68	21.36 0.21 -0.21	22.95 0.20 -1.00	24.97 0.20 -2.55	25.33 0.18 -5.46	29.42 0.30 -1.67	21.89 0.26 -1.99	16.34 0.20 -2.48	13.06 0.16 -2.55	14.63 0.21 -1.23
HELLGATE_13_KV_LD 55870	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.11 1.75 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.13 0.78 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	19.47 1.07 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.09 0.79 -1.86	17.62 0.83 -2.30	20.42 0.78 -4.94	29.06 1.42 -3.10	38.70 1.80 -10.39	33.59 1.57 -9.00	26.81 1.71 -0.31	25.07 1.70 -0.13	23.97 1.75 -0.09	23.11 1.75 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.28	23.53 1.51 -1.09	27.96 1.52 -4.69	35.91 1.47 -12.23	47.44 1.36 -26.39	37.48 1.70 -8.34	30.45 1.26 -9.55	26.13 0.78 -11.69	22.99 0.66 -11.97	19.76 0.82 -5.76
HEMPSTEAD____ 23647	22.22 1.47 -2.39	19.98 1.19 -3.68	18.67 1.15 -2.75	18.24 1.13 -2.68	18.77 1.14 -3.14	23.12 1.15 -7.27	33.29 2.06 -6.69	39.13 2.23 -10.40	34.04 2.00 -9.01	29.23 2.26 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.95 1.82 -6.01	27.05 1.73 -6.94	28.68 1.90 -5.85	29.83 1.91 -6.16	36.23 1.78 -12.23	47.75 1.65 -26.41	38.02 2.22 -8.35	30.88 1.67 -9.56	29.86 1.09 -15.11	29.01 0.89 -17.77	22.22 1.13 -7.90
HEWLETT__69_KV_BK3 55828	22.39 1.63 -2.39	20.13 1.34 -3.68	18.80 1.28 -2.75	18.37 1.26 -2.68	18.91 1.28 -3.14	23.25 1.28 -7.27	33.46 2.23 -6.68	39.36 2.47 -10.39	34.24 2.21 -9.00	29.40 2.43 -2.18	27.92 2.30 -2.38	27.05 2.28 -2.63	25.64 2.19 -2.38	27.09 1.95 -6.01	27.18 1.86 -6.94	28.83 2.05 -5.85	30.00 2.09 -6.16	36.38 1.93 -12.23	47.88 1.79 -26.39	38.23 2.44 -8.34	31.06 1.87 -9.55	29.98 1.22 -15.10	29.11 0.99 -17.77	22.34 1.25 -7.90
HICKLING__1 23621	19.02 0.64 -0.01	16.44 0.38 -0.95	15.76 0.41 -0.58	15.55 0.42 -0.70	15.79 0.43 -0.87	17.00 0.44 -1.86	26.42 0.74 -1.15	31.53 1.09 -3.94	27.38 0.99 -3.37	26.14 1.26 -0.08	24.68 1.44 0.00	23.50 1.37 0.00	22.16 1.01 -0.08	20.86 0.84 -0.89	20.39 0.81 -1.20	22.27 0.96 -0.38	24.49 0.98 -1.76	27.65 0.93 -4.50	30.17 0.87 -9.61	31.65 1.26 -2.95	24.15 1.00 -3.50	18.75 0.72 -4.37	15.41 0.56 -4.50	16.10 0.75 -2.17
HICKLING__2 23622	19.02 0.64 -0.01	16.44 0.38 -0.95	15.76 0.41 -0.58	15.55 0.42 -0.70	15.79 0.43 -0.87	17.00 0.44 -1.86	26.42 0.74 -1.15	31.53 1.09 -3.94	27.38 0.99 -3.37	26.14 1.26 -0.08	24.68 1.44 0.00	23.50 1.37 0.00	22.16 1.01 -0.08	20.86 0.84 -0.89	20.39 0.81 -1.20	22.27 0.96 -0.38	24.49 0.98 -1.76	27.65 0.93 -4.50	30.17 0.87 -9.61	31.65 1.26 -2.95	24.15 1.00 -3.50	18.75 0.72 -4.37	15.41 0.56 -4.50	16.10 0.75 -2.17
HIGH FALLS__HY 23754	19.64 1.25 -0.03	18.52 0.97 -2.45	17.15 0.90 -1.49	17.11 0.88 -1.80	17.56 0.84 -2.23	20.26 0.78 -4.79	28.84 1.35 -2.95	38.20 1.56 -10.13	33.09 1.36 -8.70	26.48 1.46 -0.23	24.69 1.42 -0.03	23.56 1.42 -0.02	22.72 1.43 -0.22	22.68 1.24 -2.31	22.66 1.18 -3.11	23.20 1.30 -0.97	27.65 1.37 -4.53	35.34 1.42 -11.70	46.10 1.30 -25.11	36.99 1.76 -7.79	29.96 1.20 -9.12	25.76 0.81 -11.29	22.55 0.64 -11.55	19.57 0.82 -5.57
HILLBURN__GT 23639	19.51 1.12 -0.03	18.29 0.89 -2.29	17.01 0.86 -1.39	16.95 0.84 -1.69	17.40 0.83 -2.08	19.94 0.78 -4.47	28.65 1.35 -2.76	37.59 1.62 -9.47	32.64 1.43 -8.19	26.60 1.56 -0.24	24.82 1.51 -0.07	23.67 1.51 -0.03	22.77 1.47 -0.23	22.62 1.32 -2.18	22.55 1.25 -2.92	23.22 1.38 -0.91	27.39 1.39 -4.24	34.71 1.40 -11.09	44.89 1.28 -23.92	36.65 1.67 -7.53	29.53 1.22 -8.66	25.07 0.79 -10.62	21.77 0.62 -10.80	19.17 0.78 -5.21
HILLSIDE_115KV_TB1 80332	18.85 0.48 -0.01	16.31 0.23 -0.98	15.62 0.27 -0.59	15.42 0.27 -0.72	15.66 0.28 -0.89	16.87 0.26 -1.91	26.06 0.34 -1.17	30.86 0.32 -4.03	26.82 0.35 -3.45	25.44 0.57 -0.08	24.00 0.77 0.00	22.88 0.75 0.00	21.59 0.44 -0.08	20.36 0.33 -0.91	19.92 0.31 -1.23	21.70 0.38 -0.39	23.90 0.35 -1.80	27.13 0.31 -4.60	29.84 0.32 -9.84	30.95 0.49 -3.01	23.68 0.45 -3.58	18.49 0.36 -4.47	15.23 0.28 -4.60	15.81 0.41 -2.22
HISHELDN_WT_PWR 323625	18.47 0.09 -0.01	15.86 -0.02 -0.77	15.32 0.09 -0.47	15.09 0.09 -0.57	15.25 0.06 -0.70	16.29 0.09 -1.51	25.28 -0.20 -0.93	29.29 -0.43 -3.21	25.56 -0.21 -2.74	24.96 0.10 -0.06	23.65 0.42 0.00	22.60 0.47 0.00	21.22 0.08 -0.06	19.85 0.00 -0.72	19.36 0.00 -0.98	21.20 -0.04 -0.31	23.08 -0.11 -1.43	25.64 -0.24 -3.66	27.36 -0.16 -7.83	29.62 -0.22 -2.40	22.55 0.06 -2.85	17.46 0.25 -3.56	14.23 0.22 -3.66	15.25 0.30 -1.76
HOLTSVILLE_IC_1 23690	22.70 1.95 -2.39	20.38 1.60 -3.68	19.07 1.55 -2.75	18.63 1.51 -2.68	19.15 1.52 -3.14	23.50 1.53 -7.27	37.58 2.70 -10.34	41.57 2.73 -12.33	39.51 2.56 -13.93	37.60 2.97 -9.83	28.46 2.76 -2.46	27.52 2.68 -2.71	26.00 2.55 -2.39	27.53 2.31 -6.09	31.63 2.24 -11.01	33.89 2.49 -10.47	38.29 2.46 -14.08	73.91 2.18 -49.51	79.83 1.97 -58.17	121.19 2.69 -91.05	83.47 2.08 -61.75	67.70 1.43 -52.61	36.25 1.17 -24.73	33.89 1.52 -19.19
HOLTSVILLE_IC_10 23699	22.81 2.06 -2.39	20.46 1.68 -3.68	19.16 1.64 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.59 1.62 -7.27	37.53 2.89 -10.10	41.65 2.94 -12.20	39.36 2.74 -13.60	37.25 3.17 -9.28	28.61 2.93 -2.45	27.69 2.86 -2.70	26.15 2.70 -2.38	27.65 2.45 -6.08	31.47 2.37 -10.72	33.71 2.64 -10.14	37.90 2.63 -13.51	71.46 2.33 -46.91	77.75 2.13 -55.94	115.63 2.91 -85.28	79.97 2.24 -58.09	65.18 1.54 -49.97	35.84 1.25 -24.23	33.22 1.62 -18.41



HOLTSVILLE_IC_2 23691	22.70 1.95 -2.39	20.38 1.60 -3.68	19.07 1.55 -2.75	18.63 1.51 -2.68	19.15 1.52 -3.14	23.50 1.53 -7.27	37.58 2.70 -10.34	41.57 2.73 -12.33	39.51 2.56 -13.93	37.60 2.97 -9.83	28.46 2.76 -2.46	27.52 2.68 -2.71	26.00 2.55 -2.39	27.53 2.31 -6.09	31.63 2.24 -11.01	33.89 2.49 -10.47	38.29 2.46 -14.08	73.91 2.18 -49.51	79.83 1.97 -58.17	121.19 2.69 -91.05	83.47 2.08 -61.75	67.70 1.43 -52.61	36.25 1.17 -24.73	33.89 1.52 -19.19
HOLTSVILLE_IC_3 23692	22.70 1.95 -2.39	20.38 1.60 -3.68	19.07 1.55 -2.75	18.63 1.51 -2.68	19.15 1.52 -3.14	23.50 1.53 -7.27	37.58 2.70 -10.34	41.57 2.73 -12.33	39.51 2.56 -13.93	37.60 2.97 -9.83	28.46 2.76 -2.46	27.52 2.68 -2.71	26.00 2.55 -2.39	27.53 2.31 -6.09	31.63 2.24 -11.01	33.89 2.49 -10.47	38.29 2.46 -14.08	73.91 2.18 -49.51	79.83 1.97 -58.17	121.19 2.69 -91.05	83.47 2.08 -61.75	67.70 1.43 -52.61	36.25 1.17 -24.73	33.89 1.52 -19.19
HOLTSVILLE_IC_4 23693	22.70 1.95 -2.39	20.38 1.60 -3.68	19.07 1.55 -2.75	18.63 1.51 -2.68	19.15 1.52 -3.14	23.50 1.53 -7.27	37.58 2.70 -10.34	41.57 2.73 -12.33	39.51 2.56 -13.93	37.60 2.97 -9.83	28.46 2.76 -2.46	27.52 2.68 -2.71	26.00 2.55 -2.39	27.53 2.31 -6.09	31.63 2.24 -11.01	33.89 2.49 -10.47	38.29 2.46 -14.08	73.91 2.18 -49.51	79.83 1.97 -58.17	121.19 2.69 -91.05	83.47 2.08 -61.75	67.70 1.43 -52.61	36.25 1.17 -24.73	33.89 1.52 -19.19
HOLTSVILLE_IC_5 23694	22.70 1.95 -2.39	20.38 1.60 -3.68	19.07 1.55 -2.75	18.63 1.51 -2.68	19.15 1.52 -3.14	23.50 1.53 -7.27	37.58 2.70 -10.34	41.57 2.73 -12.33	39.51 2.56 -13.93	37.60 2.97 -9.83	28.46 2.76 -2.46	27.52 2.68 -2.71	26.00 2.55 -2.39	27.53 2.31 -6.09	31.63 2.24 -11.01	33.89 2.49 -10.47	38.29 2.46 -14.08	73.91 2.18 -49.51	79.83 1.97 -58.17	121.19 2.69 -91.05	83.47 2.08 -61.75	67.70 1.43 -52.61	36.25 1.17 -24.73	33.89 1.52 -19.19
HOLTSVILLE_IC_6 23695	22.81 2.06 -2.39	20.46 1.68 -3.68	19.16 1.64 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.59 1.62 -7.27	37.53 2.89 -10.10	41.65 2.94 -12.20	39.36 2.74 -13.60	37.25 3.17 -9.28	28.61 2.93 -2.45	27.69 2.86 -2.70	26.15 2.70 -2.38	27.65 2.45 -6.08	31.47 2.37 -10.72	33.71 2.64 -10.14	37.90 2.63 -13.51	71.46 2.33 -46.91	77.75 2.13 -55.94	115.63 2.91 -85.28	79.97 2.24 -58.09	65.18 1.54 -49.97	35.84 1.25 -24.23	33.22 1.62 -18.41
HOLTSVILLE_IC_7 23696	22.81 2.06 -2.39	20.46 1.68 -3.68	19.16 1.64 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.59 1.62 -7.27	37.53 2.89 -10.10	41.65 2.94 -12.20	39.36 2.74 -13.60	37.25 3.17 -9.28	28.61 2.93 -2.45	27.69 2.86 -2.70	26.15 2.70 -2.38	27.65 2.45 -6.08	31.47 2.37 -10.72	33.71 2.64 -10.14	37.90 2.63 -13.51	71.46 2.33 -46.91	77.75 2.13 -55.94	115.63 2.91 -85.28	79.97 2.24 -58.09	65.18 1.54 -49.97	35.84 1.25 -24.23	33.22 1.62 -18.41
HOLTSVILLE_IC_8 23697	22.81 2.06 -2.39	20.46 1.68 -3.68	19.16 1.64 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.59 1.62 -7.27	37.53 2.89 -10.10	41.65 2.94 -12.20	39.36 2.74 -13.60	37.25 3.17 -9.28	28.61 2.93 -2.45	27.69 2.86 -2.70	26.15 2.70 -2.38	27.65 2.45 -6.08	31.47 2.37 -10.72	33.71 2.64 -10.14	37.90 2.63 -13.51	71.46 2.33 -46.91	77.75 2.13 -55.94	115.63 2.91 -85.28	79.97 2.24 -58.09	65.18 1.54 -49.97	35.84 1.25 -24.23	33.22 1.62 -18.41
HOLTSVILLE_IC_9 23698	22.81 2.06 -2.39	20.46 1.68 -3.68	19.16 1.64 -2.75	18.70 1.59 -2.68	19.24 1.61 -3.14	23.59 1.62 -7.27	37.53 2.89 -10.10	41.65 2.94 -12.20	39.36 2.74 -13.60	37.25 3.17 -9.28	28.61 2.93 -2.45	27.69 2.86 -2.70	26.15 2.70 -2.38	27.65 2.45 -6.08	31.47 2.37 -10.72	33.71 2.64 -10.14	37.90 2.63 -13.51	71.46 2.33 -46.91	77.75 2.13 -55.94	115.63 2.91 -85.28	79.97 2.24 -58.09	65.18 1.54 -49.97	35.84 1.25 -24.23	33.22 1.62 -18.41
HOMER_HL_115KV_TB2 355744	18.85 0.48 -0.01	15.66 -0.23 -0.78	15.11 -0.13 -0.48	14.89 -0.12 -0.58	15.07 -0.13 -0.71	16.08 -0.15 -1.53	24.97 -0.52 -0.94	29.11 -0.64 -3.24	25.38 -0.41 -2.77	24.96 0.10 -0.07	24.12 0.88 0.00	23.00 0.86 0.00	21.13 0.00 -0.07	19.63 -0.23 -0.73	19.13 -0.24 -0.99	20.93 -0.31 -0.31	22.78 -0.41 -1.45	25.40 -0.51 -3.69	27.21 -0.37 -7.90	29.34 -0.52 -2.42	22.30 -0.22 -2.87	17.29 0.04 -3.59	14.10 0.05 -3.69	15.08 0.12 -1.78
HOWARD_WT_PWR 323690	18.98 0.61 -0.01	16.28 0.33 -0.85	15.69 0.41 -0.51	15.46 0.40 -0.62	15.67 0.41 -0.77	16.78 0.44 -1.65	26.18 0.61 -1.02	30.65 0.64 -3.51	26.65 0.62 -3.00	25.81 0.94 -0.07	24.44 1.21 0.00	23.28 1.15 0.00	21.86 0.72 -0.07	20.45 0.53 -0.79	19.95 0.50 -1.07	21.88 0.61 -0.34	23.93 0.61 -1.57	26.80 0.58 -4.00	28.83 0.57 -8.56	30.87 0.80 -2.62	23.43 0.67 -3.12	18.08 0.53 -3.89	14.76 0.40 -4.00	15.67 0.55 -1.93
HQ_GEN_CEDARS 23644	18.13 -0.24 0.00	14.92 -0.18 0.00	14.57 -0.19 0.00	14.24 -0.19 0.00	14.28 -0.22 0.00	14.47 -0.22 0.00	24.17 -0.37 0.00	26.11 -0.40 0.00	22.63 -0.39 0.00	24.25 -0.55 0.00	22.68 -0.56 0.00	21.53 -0.60 0.00	20.54 -0.53 0.00	18.69 -0.44 0.00	17.94 -0.44 0.00	20.43 -0.50 0.00	21.25 -0.50 0.00	21.73 -0.49 0.00	19.26 -0.43 0.00	26.84 -0.60 0.00	19.16 -0.49 0.00	13.32 -0.34 0.00	10.10 -0.25 0.00	12.86 -0.33 0.00
HQ_GEN_CEDARS_PROXY 323590	18.13 -0.24 0.00	14.92 -0.18 0.00	14.56 -0.21 0.00	14.24 -0.19 0.00	14.28 -0.22 0.00	14.48 -0.22 0.00	24.17 -0.37 0.00	26.11 -0.40 0.00	22.63 -0.39 0.00	24.25 -0.55 0.00	22.68 -0.56 0.00	21.54 -0.60 0.00	20.54 -0.53 0.00	18.69 -0.44 0.00	17.94 -0.44 0.00	20.43 -0.50 0.00	21.25 -0.50 0.00	21.73 -0.49 0.00	19.26 -0.43 0.00	26.84 -0.60 0.00	19.16 -0.49 0.00	13.32 -0.34 0.00	10.10 -0.25 0.00	12.86 -0.33 0.00
HQ_GEN_IMPORT 323601	18.13 -0.24 0.00	14.91 -0.20 0.00	14.57 -0.19 0.00	14.24 -0.19 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.68 -0.34 0.00	24.40 -0.40 0.00	22.86 -0.37 0.00	21.76 -0.38 0.00	20.73 -0.34 0.00	18.84 -0.29 0.00	18.08 -0.29 0.00	20.60 -0.34 0.00	21.43 -0.33 0.00	21.89 -0.33 0.00	19.40 -0.29 0.00	27.03 -0.41 0.00	19.31 -0.33 0.00	13.41 -0.25 0.00	10.17 -0.19 0.00	12.95 -0.24 0.00
HQ_GEN_WHEEL 23651	18.13 -0.24 0.00	14.91 -0.20 0.00	14.57 -0.19 0.00	14.24 -0.19 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.68 -0.34 0.00	24.40 -0.40 0.00	22.86 -0.37 0.00	21.76 -0.38 0.00	20.73 -0.34 0.00	18.84 -0.29 0.00	18.08 -0.29 0.00	20.60 -0.34 0.00	21.43 -0.33 0.00	21.89 -0.33 0.00	19.40 -0.29 0.00	27.03 -0.41 0.00	19.31 -0.33 0.00	13.41 -0.25 0.00	10.17 -0.19 0.00	12.95 -0.24 0.00
HUDSON_AVE_GT_3 23810	19.58 1.18 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.83 1.93 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.06 1.84 -0.09	23.15 1.79 -0.29	23.20 1.61 -2.46	23.16 1.51 -3.28	23.63 1.61 -1.08	28.07 1.63 -4.68	36.02 1.58 -12.23	47.54 1.46 -26.39	37.65 1.87 -8.34	30.61 1.41 -9.55	26.23 0.87 -11.69	23.02 0.70 -11.97	19.84 0.90 -5.76



HUDSON AVE_GT_4 23540	19.58 1.18 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.83 1.93 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.06 1.84 -0.09	23.15 1.79 -0.29	23.20 1.61 -2.46	23.16 1.51 -3.28	23.63 1.61 -1.08	28.07 1.63 -4.68	36.02 1.58 -12.23	47.54 1.46 -26.39	37.65 1.87 -8.34	30.61 1.41 -9.55	26.23 0.87 -11.69	23.02 0.70 -11.97	19.84 0.90 -5.76
HUDSON AVE_GT_5 23657	19.58 1.18 -0.04	18.57 0.94 -2.53	17.21 0.90 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.52 0.88 -4.94	29.26 1.62 -3.10	38.83 1.93 -10.39	33.75 1.73 -9.00	26.96 1.86 -0.31	25.20 1.84 -0.13	24.06 1.84 -0.09	23.15 1.79 -0.29	23.20 1.61 -2.46	23.16 1.51 -3.28	23.63 1.61 -1.08	28.07 1.63 -4.68	36.02 1.58 -12.23	47.54 1.46 -26.39	37.65 1.87 -8.34	30.61 1.41 -9.55	26.23 0.87 -11.69	23.02 0.70 -11.97	19.84 0.90 -5.76
HUDSON_AVE_10 24168	19.51 1.10 -0.04	18.51 0.88 -2.53	17.13 0.83 -1.54	17.10 0.81 -1.86	17.63 0.84 -2.30	20.44 0.82 -4.92	29.16 1.52 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.84 1.74 -0.31	25.06 1.72 -0.10	23.91 1.73 -0.06	23.02 1.69 -0.27	23.05 1.51 -2.42	23.02 1.42 -3.23	23.48 1.53 -1.02	27.94 1.52 -4.66	35.95 1.51 -12.23	47.48 1.40 -26.39	37.57 1.78 -8.34	30.53 1.34 -9.55	26.16 0.81 -11.69	22.97 0.65 -11.97	19.79 0.84 -5.76
HUDSON___115KV_TB 4 355613	19.15 0.75 -0.03	18.58 0.51 -2.97	17.10 0.53 -1.80	17.13 0.52 -2.18	17.63 0.45 -2.69	20.92 0.44 -5.79	29.02 0.91 -3.57	39.66 0.90 -12.25	34.15 0.74 -10.39	25.91 0.92 -0.20	23.94 0.77 0.07	22.81 0.71 0.03	22.00 0.72 -0.21	22.40 0.55 -2.72	22.65 0.55 -3.72	22.78 0.67 -1.17	27.95 0.74 -5.46	36.83 0.91 -13.70	49.68 0.87 -29.12	37.53 1.34 -8.74	31.11 0.83 -10.64	27.67 0.55 -13.47	24.69 0.36 -13.98	20.38 0.46 -6.74
HUNTER MOUNT___DRP 323613	19.23 0.83 -0.03	18.49 0.50 -2.88	17.03 0.52 -1.75	17.04 0.49 -2.12	17.52 0.41 -2.62	20.71 0.38 -5.63	28.84 0.83 -3.47	39.24 0.82 -11.91	33.82 0.67 -10.13	25.92 0.92 -0.21	23.94 0.74 0.04	22.78 0.66 0.02	22.00 0.72 -0.22	22.25 0.46 -2.66	22.48 0.48 -3.62	22.66 0.59 -1.14	27.74 0.67 -5.32	36.54 0.91 -13.41	49.12 0.87 -28.56	37.56 1.48 -8.63	30.85 0.79 -10.42	27.32 0.53 -13.13	24.27 0.33 -13.59	20.17 0.44 -6.55
HUNTINGTON_RES_REC 323705	22.55 1.80 -2.39	20.25 1.46 -3.68	18.94 1.42 -2.75	18.50 1.39 -2.68	19.02 1.39 -3.14	23.38 1.41 -7.27	33.23 2.63 -6.07	39.18 2.62 -10.05	33.64 2.42 -8.20	28.58 2.78 -1.01	28.22 2.58 -2.41	27.34 2.54 -2.66	25.89 2.44 -2.38	27.32 2.16 -6.04	26.76 2.04 -6.34	28.37 2.28 -5.16	28.98 2.28 -4.95	30.52 2.00 -6.30	42.93 1.81 -21.43	25.18 2.50 4.76	22.95 1.95 -1.36	24.22 1.34 -9.22	28.17 1.11 -16.71	20.70 1.44 -6.08
HUNTLEY___63 23557	18.32 -0.06 -0.01	15.77 -0.05 -0.72	15.27 0.07 -0.43	15.04 0.09 -0.53	15.19 0.04 -0.65	16.18 0.09 -1.40	25.08 -0.32 -0.86	28.77 -0.69 -2.96	25.19 -0.37 -2.53	24.73 -0.12 -0.06	23.38 0.14 0.00	22.33 0.20 0.00	21.06 -0.06 -0.06	19.72 -0.08 -0.67	19.23 -0.06 -0.90	21.09 -0.13 -0.28	22.86 -0.22 -1.32	25.17 -0.42 -3.37	26.59 -0.32 -7.21	29.24 -0.41 -2.21	22.23 -0.04 -2.62	17.18 0.25 -3.28	13.96 0.24 -3.37	15.15 0.34 -1.63
HUNTLEY___64 23558	18.32 -0.06 -0.01	15.77 -0.05 -0.72	15.27 0.07 -0.43	15.04 0.09 -0.53	15.19 0.04 -0.65	16.18 0.09 -1.40	25.08 -0.32 -0.86	28.77 -0.69 -2.96	25.19 -0.37 -2.53	24.73 -0.12 -0.06	23.38 0.14 0.00	22.33 0.20 0.00	21.06 -0.06 -0.06	19.72 -0.08 -0.67	19.23 -0.06 -0.90	21.09 -0.13 -0.28	22.86 -0.22 -1.32	25.17 -0.42 -3.37	26.59 -0.32 -7.21	29.24 -0.41 -2.21	22.23 -0.04 -2.62	17.18 0.25 -3.28	13.96 0.24 -3.37	15.15 0.34 -1.63
HUNTLEY___65 23559	18.32 -0.06 -0.01	15.77 -0.05 -0.72	15.27 0.07 -0.43	15.04 0.09 -0.53	15.19 0.04 -0.65	16.18 0.09 -1.40	25.08 -0.32 -0.86	28.77 -0.69 -2.96	25.19 -0.37 -2.53	24.73 -0.12 -0.06	23.38 0.14 0.00	22.33 0.20 0.00	21.06 -0.06 -0.06	19.72 -0.08 -0.67	19.23 -0.06 -0.90	21.09 -0.13 -0.28	22.86 -0.22 -1.32	25.17 -0.42 -3.37	26.59 -0.32 -7.21	29.24 -0.41 -2.21	22.23 -0.04 -2.62	17.18 0.25 -3.28	13.96 0.24 -3.37	15.15 0.34 -1.63
HUNTLEY___66 23560	18.32 -0.06 -0.01	15.77 -0.05 -0.72	15.27 0.07 -0.43	15.04 0.09 -0.53	15.19 0.04 -0.65	16.18 0.09 -1.40	25.08 -0.32 -0.86	28.77 -0.69 -2.96	25.19 -0.37 -2.53	24.73 -0.12 -0.06	23.38 0.14 0.00	22.33 0.20 0.00	21.06 -0.06 -0.06	19.72 -0.08 -0.67	19.23 -0.06 -0.90	21.09 -0.13 -0.28	22.86 -0.22 -1.32	25.17 -0.42 -3.37	26.59 -0.32 -7.21	29.24 -0.41 -2.21	22.23 -0.04 -2.62	17.18 0.25 -3.28	13.96 0.24 -3.37	15.15 0.34 -1.63
HUNTLEY___67 23561	18.25 -0.13 -0.01	15.71 -0.12 -0.73	15.19 -0.01 -0.44	14.96 0.00 -0.53	15.11 -0.04 -0.66	16.10 -0.01 -1.42	24.97 -0.44 -0.87	28.68 -0.82 -3.00	25.13 -0.46 -2.56	24.66 -0.20 -0.06	23.33 0.09 0.00	22.29 0.15 0.00	21.00 -0.13 -0.06	19.63 -0.17 -0.68	19.16 -0.13 -0.92	21.01 -0.21 -0.29	22.79 -0.30 -1.34	25.13 -0.51 -3.42	26.61 -0.39 -7.31	29.14 -0.55 -2.24	22.19 -0.12 -2.66	17.16 0.18 -3.32	13.96 0.19 -3.42	15.10 0.26 -1.65
HUNTLEY___68 23562	18.25 -0.13 -0.01	15.71 -0.12 -0.73	15.19 -0.01 -0.44	14.96 0.00 -0.53	15.11 -0.04 -0.66	16.10 -0.01 -1.42	24.97 -0.44 -0.87	28.68 -0.82 -3.00	25.13 -0.46 -2.56	24.66 -0.20 -0.06	23.33 0.09 0.00	22.29 0.15 0.00	21.00 -0.13 -0.06	19.63 -0.17 -0.68	19.16 -0.13 -0.92	21.01 -0.21 -0.29	22.79 -0.30 -1.34	25.13 -0.51 -3.42	26.61 -0.39 -7.31	29.14 -0.55 -2.24	22.19 -0.12 -2.66	17.16 0.18 -3.32	13.96 0.19 -3.42	15.10 0.26 -1.65
HYLAND___LFGE 323620	19.22 0.85 -0.01	16.54 0.68 -0.75	15.96 0.74 -0.46	15.69 0.71 -0.55	15.93 0.75 -0.68	17.04 0.88 -1.47	26.97 1.52 -0.91	31.27 1.64 -3.12	27.12 1.43 -2.67	26.29 1.44 -0.06	24.58 1.35 0.00	23.35 1.22 0.00	22.06 0.93 -0.06	20.58 0.75 -0.70	20.03 0.70 -0.95	22.17 0.94 -0.30	24.28 1.13 -1.39	27.07 1.29 -3.56	28.69 1.38 -7.62	31.78 2.00 -2.33	23.91 1.49 -2.77	18.21 1.09 -3.46	14.72 0.81 -3.56	15.96 1.06 -1.72
INDECK___CORINTH 23802	19.23 0.83 -0.04	18.88 0.65 -3.12	17.31 0.65 -1.90	17.38 0.65 -2.30	18.08 0.75 -2.83	21.60 0.81 -6.09	29.94 1.64 -3.76	41.45 2.04 -12.90	35.68 1.73 -10.92	26.86 1.86 -0.20	24.80 1.65 0.08	23.62 1.53 0.04	22.46 1.18 -0.22	23.09 1.11 -2.86	23.37 1.08 -3.91	23.42 1.26 -1.24	28.66 1.15 -5.75	37.94 1.33 -14.39	51.51 1.26 -30.56	38.43 1.84 -9.14	32.09 1.28 -11.17	28.63 0.81 -14.17	25.61 0.54 -14.72	20.95 0.67 -7.09
INDECK___ILION 23567	18.55 0.18 0.00	15.32 0.15 -0.06	14.93 0.13 -0.04	14.61 0.13 -0.05	14.69 0.14 -0.06	14.95 0.13 -0.12	24.81 0.20 -0.07	26.97 0.21 -0.26	23.38 0.14 -0.22	24.95 0.15 -0.01	23.40 0.16 0.00	22.26 0.13 0.00	21.20 0.13 -0.01	19.26 0.08 -0.06	18.49 0.04 -0.08	21.00 0.04 -0.02	21.93 0.07 -0.11	22.58 0.07 -0.29	20.37 0.06 -0.62	27.72 0.08 -0.19	19.91 0.04 -0.23	13.98 0.04 -0.28	10.67 0.03 -0.29	13.37 0.04 -0.14



INDECK___OLEAN 23982	18.85 0.48 -0.01	15.66 -0.23 -0.78	15.14 -0.10 -0.48	14.89 -0.12 -0.58	15.07 -0.13 -0.71	16.08 -0.15 -1.53	24.97 -0.52 -0.95	29.13 -0.64 -3.26	25.40 -0.41 -2.79	24.96 0.10 -0.07	24.12 0.88 0.00	22.99 0.86 0.00	21.13 0.00 -0.07	19.63 -0.23 -0.73	19.13 -0.24 -1.00	20.93 -0.31 -0.31	22.79 -0.41 -1.46	25.42 -0.51 -3.72	27.26 -0.37 -7.95	29.36 -0.52 -2.44	22.32 -0.22 -2.89	17.31 0.04 -3.61	14.11 0.04 -3.72	15.10 0.12 -1.79
INDECK___OSWEGO 23783	18.08 -0.29 0.00	15.32 -0.23 -0.44	14.81 -0.22 -0.27	14.54 -0.22 -0.32	14.69 -0.20 -0.40	15.36 -0.19 -0.86	25.94 0.79 -0.62	29.61 0.98 -2.12	25.60 0.76 -1.82	25.65 0.82 -0.04	24.00 0.77 0.00	22.82 0.69 0.00	21.72 0.61 -0.04	20.14 0.53 -0.48	19.54 0.51 -0.65	21.79 0.65 -0.20	23.40 0.70 -0.95	25.37 0.73 -2.42	25.56 0.69 -5.18	30.08 1.04 -1.59	22.32 0.79 -1.89	16.53 0.52 -2.35	13.16 0.38 -2.42	14.85 0.50 -1.17
INDECK___YERKES 23781	18.32 -0.05 -0.01	15.79 -0.03 -0.72	15.30 0.10 -0.43	15.06 0.10 -0.53	15.20 0.06 -0.65	16.20 0.10 -1.40	25.11 -0.29 -0.86	28.80 -0.66 -2.95	25.20 -0.34 -2.52	24.75 -0.10 -0.06	23.40 0.16 0.00	22.35 0.22 0.00	21.09 -0.04 -0.06	19.73 -0.06 -0.67	19.24 -0.04 -0.90	21.11 -0.10 -0.28	22.87 -0.20 -1.32	25.19 -0.40 -3.37	26.59 -0.29 -7.20	29.24 -0.41 -2.21	22.25 -0.02 -2.62	17.19 0.26 -3.27	13.96 0.24 -3.37	15.16 0.36 -1.62
INDIAN POINT_GT_1 24139	19.48 1.08 -0.03	18.47 0.89 -2.47	17.11 0.84 -1.50	17.07 0.82 -1.82	17.58 0.84 -2.24	20.33 0.81 -4.83	28.99 1.47 -2.97	38.42 1.70 -10.21	33.37 1.50 -8.84	26.72 1.66 -0.26	24.92 1.60 -0.09	23.77 1.59 -0.04	22.85 1.54 -0.25	22.86 1.38 -2.36	22.84 1.30 -3.15	23.36 1.44 -0.98	27.78 1.46 -4.58	35.65 1.42 -12.01	46.91 1.30 -25.92	37.33 1.70 -8.18	30.30 1.28 -9.38	25.96 0.82 -11.48	22.65 0.65 -11.65	19.63 0.83 -5.62
INDIAN POINT_GT_2 23659	19.48 1.08 -0.03	18.47 0.89 -2.47	17.11 0.84 -1.50	17.07 0.82 -1.82	17.58 0.84 -2.24	20.33 0.81 -4.83	28.99 1.47 -2.97	38.42 1.70 -10.21	33.37 1.50 -8.84	26.72 1.66 -0.26	24.92 1.60 -0.09	23.77 1.59 -0.04	22.85 1.54 -0.25	22.86 1.38 -2.36	22.84 1.30 -3.15	23.36 1.44 -0.98	27.78 1.46 -4.58	35.65 1.42 -12.01	46.91 1.30 -25.92	37.33 1.70 -8.18	30.30 1.28 -9.38	25.96 0.82 -11.48	22.65 0.65 -11.65	19.63 0.83 -5.62
INDIAN POINT_GT_3 24019	19.48 1.08 -0.03	18.47 0.89 -2.47	17.11 0.84 -1.50	17.07 0.82 -1.82	17.58 0.84 -2.24	20.33 0.81 -4.83	28.99 1.47 -2.97	38.42 1.70 -10.21	33.37 1.50 -8.84	26.72 1.66 -0.26	24.92 1.60 -0.09	23.77 1.59 -0.04	22.85 1.54 -0.25	22.86 1.38 -2.36	22.84 1.30 -3.15	23.36 1.44 -0.98	27.78 1.46 -4.58	35.65 1.42 -12.01	46.91 1.30 -25.92	37.33 1.70 -8.18	30.30 1.28 -9.38	25.96 0.82 -11.48	22.65 0.65 -11.65	19.63 0.83 -5.62
INDIAN POINT___2 23530	19.48 1.08 -0.03	18.37 0.88 -2.39	17.06 0.84 -1.45	17.01 0.82 -1.76	17.49 0.83 -2.17	20.16 0.79 -4.67	28.87 1.45 -2.88	38.06 1.67 -9.88	33.05 1.47 -8.55	26.68 1.64 -0.25	24.90 1.58 -0.08	23.74 1.57 -0.04	22.82 1.52 -0.24	22.76 1.36 -2.28	22.71 1.29 -3.05	23.30 1.42 -0.95	27.61 1.44 -4.43	35.22 1.40 -11.60	46.00 1.28 -25.03	37.04 1.70 -7.89	29.97 1.26 -9.06	25.58 0.82 -11.10	22.28 0.65 -11.28	19.45 0.83 -5.43
INDIAN POINT___3 23531	19.50 1.10 -0.03	18.53 0.89 -2.53	17.16 0.86 -1.54	17.13 0.84 -1.86	17.65 0.86 -2.30	20.48 0.84 -4.95	29.11 1.52 -3.05	38.69 1.72 -10.47	33.61 1.52 -9.07	26.75 1.69 -0.27	24.95 1.63 -0.09	23.81 1.64 -0.04	22.90 1.58 -0.26	22.94 1.40 -2.42	22.95 1.34 -3.23	23.40 1.47 -1.00	27.92 1.48 -4.69	35.96 1.42 -12.32	47.58 1.30 -26.60	37.55 1.70 -8.40	30.55 1.28 -9.62	26.25 0.82 -11.77	22.95 0.66 -11.94	19.78 0.84 -5.75
INGHAM_C_115KV_TB7 356103	18.68 0.31 0.00	15.41 0.24 -0.06	15.02 0.22 -0.04	14.69 0.22 -0.05	14.78 0.23 -0.06	15.05 0.24 -0.12	24.91 0.29 -0.07	27.08 0.32 -0.26	23.45 0.21 -0.22	25.02 0.22 -0.01	23.47 0.23 0.00	22.33 0.20 0.00	21.24 0.17 -0.01	19.28 0.10 -0.06	18.47 0.02 -0.08	20.98 0.02 -0.02	21.89 0.02 -0.11	22.55 0.04 -0.29	20.33 0.02 -0.62	27.64 0.00 -0.19	19.85 -0.02 -0.23	13.97 0.03 -0.28	10.66 0.02 -0.29	13.37 0.04 -0.14
IP CORINTH___1 23988	19.23 0.83 -0.04	18.88 0.65 -3.12	17.31 0.65 -1.90	17.38 0.65 -2.30	18.08 0.75 -2.83	21.60 0.81 -6.09	29.94 1.64 -3.76	41.45 2.04 -12.90	35.67 1.73 -10.92	26.86 1.86 -0.20	24.80 1.65 0.08	23.62 1.53 0.04	22.46 1.18 -0.22	23.09 1.11 -2.86	23.37 1.08 -3.91	23.42 1.26 -1.24	28.65 1.15 -5.75	37.92 1.33 -14.37	51.45 1.26 -30.49	38.39 1.84 -9.11	32.07 1.28 -11.15	28.62 0.81 -14.15	25.62 0.55 -14.72	20.95 0.67 -7.09
IP___TICONDEROGA 23804	19.94 1.54 -0.04	19.45 1.22 -3.12	17.87 1.21 -1.89	17.94 1.21 -2.30	18.57 1.25 -2.83	22.12 1.34 -6.09	30.99 2.70 -3.75	42.60 3.21 -12.89	36.63 2.69 -10.91	27.90 2.90 -0.20	25.68 2.53 0.09	24.42 2.32 0.04	22.97 1.69 -0.22	23.55 1.57 -2.85	23.81 1.53 -3.90	24.01 1.84 -1.23	29.24 1.74 -5.75	38.61 2.04 -14.35	52.12 1.97 -30.46	39.75 3.21 -9.09	33.02 2.24 -11.13	29.23 1.43 -14.14	26.03 0.97 -14.71	21.47 1.20 -7.09
ISLIP_RES_REC 323679	22.88 2.13 -2.39	20.54 1.75 -3.68	19.22 1.70 -2.75	18.77 1.66 -2.68	19.31 1.68 -3.14	23.64 1.67 -7.27	37.37 3.02 -9.81	41.66 3.10 -12.05	39.11 2.88 -13.21	36.78 3.30 -8.69	28.74 3.07 -2.44	27.79 2.97 -2.69	26.25 2.80 -2.38	27.76 2.56 -6.07	31.24 2.46 -10.40	33.45 2.74 -9.78	37.41 2.76 -12.90	68.69 2.47 -44.00	75.39 2.24 -53.46	109.34 3.07 -78.82	76.02 2.36 -54.01	62.33 1.62 -47.05	35.35 1.30 -23.69	32.40 1.69 -17.53
JAMAICA__27_KV_LOAD 355505	19.49 1.08 -0.04	18.48 0.85 -2.53	17.10 0.80 -1.54	17.09 0.79 -1.86	17.60 0.81 -2.30	20.39 0.78 -4.92	29.13 1.50 -3.10	38.97 2.07 -10.39	33.87 1.84 -9.00	26.79 1.69 -0.31	25.01 1.67 -0.10	23.87 1.68 -0.06	22.98 1.64 -0.27	23.00 1.45 -2.42	22.99 1.38 -3.23	23.42 1.47 -1.02	27.90 1.48 -4.66	36.04 1.60 -12.23	47.56 1.48 -26.39	37.68 1.89 -8.34	30.57 1.38 -9.55	26.14 0.79 -11.69	22.96 0.64 -11.97	19.76 0.82 -5.76
JANIS___SOLAR 323808	19.39 1.01 -0.01	16.89 0.77 -1.02	16.13 0.75 -0.62	15.92 0.74 -0.75	16.22 0.80 -0.92	17.52 0.84 -1.99	27.42 1.64 -1.23	32.65 1.91 -4.23	28.05 1.40 -3.62	26.22 1.34 -0.09	24.47 1.23 0.00	23.17 1.04 0.00	22.04 0.88 -0.09	20.83 0.75 -0.95	20.44 0.77 -1.29	22.38 1.05 -0.41	24.84 1.20 -1.89	28.45 1.40 -4.83	31.34 1.32 -10.33	32.59 1.98 -3.16	24.80 1.40 -3.76	19.25 0.90 -4.69	15.83 0.65 -4.83	16.37 0.86 -2.33
JARVIS____ 23743	18.40 0.04 0.00	15.20 0.03 -0.06	14.83 0.03 -0.04	14.51 0.03 -0.05	14.58 0.03 -0.06	14.85 0.03 -0.12	24.67 0.05 -0.08	26.83 0.05 -0.27	23.28 0.02 -0.23	24.82 0.02 -0.01	23.28 0.05 0.00	22.15 0.02 0.00	21.09 0.02 -0.01	19.21 0.02 -0.06	18.48 0.02 -0.08	20.98 0.02 -0.03	21.87 0.00 -0.12	22.54 0.02 -0.30	20.34 0.00 -0.65	27.64 0.00 -0.20	19.88 0.00 -0.24	13.95 0.00 -0.30	10.66 0.00 -0.30	13.33 0.00 -0.15



JENNISON___1 23625	19.50 1.12 -0.01	17.21 0.86 -1.24	16.35 0.83 -0.76	16.15 0.81 -0.92	16.49 0.87 -1.13	18.01 0.88 -2.43	27.80 1.77 -1.50	33.69 2.04 -5.14	28.96 1.54 -4.40	26.43 1.54 -0.10	24.75 1.51 0.00	23.46 1.33 0.00	22.33 1.16 -0.10	21.26 0.98 -1.16	20.92 0.97 -1.57	22.66 1.24 -0.49	25.38 1.33 -2.30	29.57 1.49 -5.87	33.61 1.38 -12.54	33.32 2.03 -3.84	25.65 1.43 -4.56	20.32 0.96 -5.70	16.91 0.69 -5.87	16.92 0.91 -2.83
JENNISON___2 23626	19.50 1.12 -0.01	17.21 0.86 -1.24	16.35 0.83 -0.76	16.15 0.81 -0.92	16.49 0.87 -1.13	18.01 0.88 -2.43	27.80 1.77 -1.50	33.69 2.04 -5.14	28.96 1.54 -4.40	26.43 1.54 -0.10	24.75 1.51 0.00	23.46 1.33 0.00	22.33 1.16 -0.10	21.26 0.98 -1.16	20.92 0.97 -1.57	22.66 1.24 -0.49	25.38 1.33 -2.30	29.57 1.49 -5.87	33.61 1.38 -12.54	33.32 2.03 -3.84	25.65 1.43 -4.56	20.32 0.96 -5.70	16.91 0.69 -5.87	16.92 0.91 -2.83
JERICHO_RISE_WT_PWR 323719	18.26 -0.11 0.00	15.01 -0.09 0.00	14.63 -0.13 0.00	14.30 -0.13 0.00	14.32 -0.17 0.00	14.52 -0.18 0.00	24.32 -0.22 0.00	26.22 -0.29 0.00	22.77 -0.25 0.00	24.47 -0.32 0.00	23.00 -0.23 0.00	21.89 -0.24 0.00	20.90 -0.17 0.00	19.01 -0.11 0.00	18.25 -0.13 0.00	20.81 -0.12 0.00	21.71 -0.04 0.00	22.17 -0.04 0.00	19.59 -0.10 0.00	27.25 -0.19 0.00	19.25 -0.39 0.00	13.25 -0.41 0.00	10.00 -0.35 0.00	12.63 -0.55 0.00
KATONAH___115KV_46KV_TB4 355592	19.59 1.19 -0.03	18.61 0.97 -2.54	17.22 0.92 -1.54	17.21 0.91 -1.87	17.74 0.94 -2.31	20.57 0.91 -4.96	29.27 1.67 -3.06	38.94 1.93 -10.50	33.82 1.70 -9.09	26.92 1.86 -0.27	25.07 1.74 -0.09	23.92 1.75 -0.04	22.95 1.62 -0.26	23.02 1.47 -2.42	23.02 1.40 -3.24	23.49 1.55 -1.01	28.02 1.57 -4.71	36.12 1.56 -12.35	47.81 1.48 -26.64	37.75 1.89 -8.41	30.72 1.43 -9.64	26.37 0.92 -11.80	23.06 0.72 -11.98	19.84 0.88 -5.77
KCE_NY_1 323755	19.34 0.94 -0.04	18.98 0.75 -3.12	17.41 0.75 -1.89	17.46 0.74 -2.29	18.08 0.75 -2.83	21.57 0.79 -6.09	29.84 1.55 -3.75	41.14 1.75 -12.88	35.40 1.47 -10.90	26.58 1.59 -0.20	24.57 1.42 0.09	23.42 1.33 0.04	22.46 1.18 -0.22	23.05 1.07 -2.85	23.33 1.05 -3.90	23.40 1.23 -1.23	28.73 1.24 -5.74	37.93 1.36 -14.36	51.42 1.26 -30.47	38.36 1.81 -9.11	32.06 1.28 -11.14	28.62 0.82 -14.14	25.63 0.58 -14.70	21.01 0.74 -7.08
KCE_NY_6_ESR 323823	18.52 0.15 -0.01	15.83 -0.02 -0.74	15.32 0.10 -0.45	15.08 0.10 -0.54	15.22 0.06 -0.67	16.24 0.10 -1.44	25.19 -0.25 -0.90	29.05 -0.53 -3.08	25.40 -0.25 -2.63	24.93 0.07 -0.06	23.72 0.49 0.00	22.66 0.53 0.00	21.21 0.08 -0.06	19.82 0.00 -0.69	19.32 0.00 -0.94	21.19 -0.04 -0.29	22.98 -0.15 -1.37	25.42 -0.31 -3.51	26.98 -0.22 -7.51	29.44 -0.30 -2.30	22.42 0.04 -2.73	17.34 0.27 -3.41	14.11 0.25 -3.51	15.22 0.34 -1.69
KEDC_PORT_JEFF_GT2 24210	22.75 2.00 -2.39	20.43 1.65 -3.68	19.11 1.59 -2.75	18.67 1.56 -2.68	19.20 1.57 -3.14	23.54 1.57 -7.27	37.70 2.80 -10.37	41.64 2.78 -12.35	39.61 2.62 -13.96	37.68 3.05 -9.84	28.52 2.83 -2.45	27.60 2.77 -2.70	26.09 2.63 -2.38	27.59 2.39 -6.08	31.69 2.30 -11.01	33.96 2.55 -10.47	38.32 2.48 -14.09	73.98 2.11 -49.65	79.88 1.93 -58.26	121.42 2.64 -91.34	83.60 2.04 -61.91	67.82 1.45 -52.72	36.28 1.19 -24.74	33.99 1.57 -19.24
KEDC_PORT_JEFF_GT3 24211	22.75 2.00 -2.39	20.43 1.65 -3.68	19.11 1.59 -2.75	18.67 1.56 -2.68	19.20 1.57 -3.14	23.54 1.57 -7.27	37.70 2.80 -10.37	41.64 2.78 -12.35	39.61 2.62 -13.96	37.68 3.05 -9.84	28.52 2.83 -2.45	27.60 2.77 -2.70	26.09 2.63 -2.38	27.59 2.39 -6.08	31.69 2.30 -11.01	33.96 2.55 -10.47	38.32 2.48 -14.09	73.98 2.11 -49.65	79.88 1.93 -58.26	121.42 2.64 -91.34	83.60 2.04 -61.91	67.82 1.45 -52.72	36.28 1.19 -24.74	33.99 1.57 -19.24
KEDC_GLWD_GT4 24219	22.18 1.43 -2.39	19.95 1.16 -3.68	18.64 1.12 -2.75	18.21 1.10 -2.68	18.75 1.12 -3.14	23.07 1.10 -7.27	33.21 1.99 -6.69	39.13 2.23 -10.40	34.02 1.98 -9.01	29.16 2.18 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.93 1.80 -6.01	27.03 1.71 -6.94	28.66 1.88 -5.85	29.83 1.91 -6.16	36.27 1.82 -12.23	47.77 1.67 -26.41	38.05 2.25 -8.35	30.88 1.67 -9.56	29.86 1.09 -15.11	28.99 0.87 -17.77	22.19 1.11 -7.90
KEDC_GLWD_GT5 24220	22.18 1.43 -2.39	19.95 1.16 -3.68	18.64 1.12 -2.75	18.21 1.10 -2.68	18.75 1.12 -3.14	23.07 1.10 -7.27	33.21 1.99 -6.69	39.13 2.23 -10.40	34.02 1.98 -9.01	29.16 2.18 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.45 2.00 -2.38	26.93 1.80 -6.01	27.03 1.71 -6.94	28.66 1.88 -5.85	29.83 1.91 -6.16	36.27 1.82 -12.23	47.77 1.67 -26.41	38.05 2.25 -8.35	30.88 1.67 -9.56	29.86 1.09 -15.11	28.99 0.87 -17.77	22.19 1.11 -7.90
KENSICO____ 23655	19.53 1.14 -0.03	18.54 0.92 -2.51	17.16 0.87 -1.52	17.13 0.85 -1.85	17.64 0.87 -2.28	20.47 0.87 -4.90	29.13 1.57 -3.02	38.66 1.78 -10.38	33.60 1.59 -8.99	26.82 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.94 1.62 -0.25	22.98 1.45 -2.40	22.96 1.38 -3.21	23.43 1.51 -0.99	27.92 1.52 -4.65	35.89 1.47 -12.21	47.40 1.36 -26.35	37.55 1.78 -8.32	30.52 1.34 -9.54	26.18 0.86 -11.66	22.87 0.68 -11.84	19.76 0.87 -5.71
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	19.64 1.25 -0.03	18.38 0.97 -2.31	17.07 0.90 -1.40	17.02 0.89 -1.70	17.44 0.86 -2.10	19.98 0.78 -4.51	28.72 1.40 -2.78	37.63 1.59 -9.54	32.61 1.38 -8.21	26.48 1.46 -0.22	24.69 1.42 -0.04	23.57 1.42 -0.02	22.69 1.41 -0.21	22.55 1.24 -2.18	22.50 1.19 -2.93	23.17 1.32 -0.91	27.41 1.39 -4.27	34.73 1.47 -11.05	44.77 1.34 -23.74	36.62 1.78 -7.39	29.50 1.24 -8.61	25.14 0.83 -10.65	21.88 0.65 -10.88	19.26 0.83 -5.24
KIAC_JFK_GT1 23816	19.44 1.03 -0.04	18.43 0.80 -2.53	17.07 0.77 -1.54	17.06 0.76 -1.86	17.56 0.77 -2.30	20.36 0.75 -4.92	29.08 1.45 -3.10	38.91 2.01 -10.39	33.80 1.77 -9.00	26.74 1.64 -0.31	24.96 1.63 -0.10	23.83 1.64 -0.06	22.93 1.60 -0.27	22.96 1.42 -2.42	22.95 1.34 -3.23	23.38 1.42 -1.02	27.85 1.44 -4.66	35.98 1.53 -12.23	47.50 1.42 -26.39	37.59 1.81 -8.34	30.53 1.34 -9.55	26.12 0.76 -11.69	22.94 0.62 -11.97	19.75 0.80 -5.76
KIAC_JFK_GT2 23817	19.44 1.03 -0.04	18.43 0.80 -2.53	17.07 0.77 -1.54	17.06 0.76 -1.86	17.56 0.77 -2.30	20.36 0.75 -4.92	29.08 1.45 -3.10	38.91 2.01 -10.39	33.80 1.77 -9.00	26.74 1.64 -0.31	24.96 1.63 -0.10	23.83 1.64 -0.06	22.93 1.60 -0.27	22.96 1.42 -2.42	22.95 1.34 -3.23	23.38 1.42 -1.02	27.85 1.44 -4.66	35.98 1.53 -12.23	47.50 1.42 -26.39	37.59 1.81 -8.34	30.53 1.34 -9.55	26.12 0.76 -11.69	22.94 0.62 -11.97	19.75 0.80 -5.76
KIAC_JFK____ 323774	19.44 1.03 -0.04	18.45 0.82 -2.53	17.09 0.78 -1.54	17.06 0.76 -1.86	17.57 0.78 -2.30	20.36 0.75 -4.92	28.99 1.35 -3.10	38.92 2.01 -10.39	33.80 1.77 -9.00	26.74 1.64 -0.31	24.96 1.63 -0.10	23.83 1.64 -0.06	22.93 1.60 -0.27	22.96 1.42 -2.42	22.95 1.34 -3.23	23.38 1.42 -1.02	27.85 1.44 -4.67	35.98 1.53 -12.23	47.51 1.42 -26.40	37.60 1.81 -8.34	30.54 1.34 -9.55	26.12 0.76 -11.70	22.95 0.62 -11.97	19.75 0.80 -5.76



KINTIGH____ 23543	18.10 -0.28 -0.01	15.72 -0.06 -0.68	15.22 0.04 -0.41	14.99 0.06 -0.50	15.12 0.01 -0.62	16.07 0.04 -1.33	25.06 -0.29 -0.82	28.68 -0.64 -2.81	25.13 -0.30 -2.40	24.68 -0.17 -0.06	23.14 -0.09 0.00	22.09 -0.04 0.00	21.02 -0.11 -0.06	19.68 -0.08 -0.63	19.18 -0.06 -0.86	21.12 -0.08 -0.27	22.83 -0.17 -1.25	25.06 -0.36 -3.20	26.28 -0.26 -6.85	29.19 -0.36 -2.10	22.14 0.00 -2.49	16.99 0.22 -3.11	13.77 0.22 -3.20	15.03 0.30 -1.54
KNTFSRNC_46_KV_46KV_LOAD 80397	18.49 0.13 0.00	15.21 0.11 0.00	14.84 0.07 0.00	14.49 0.06 0.00	14.51 0.01 0.00	14.71 0.01 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.33 0.09 0.00	22.15 0.02 0.00	21.17 0.11 0.00	19.28 0.15 0.00	18.49 0.11 0.00	21.08 0.15 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.49 -0.16 0.00	13.41 -0.25 0.00	10.11 -0.24 0.00	12.79 -0.40 0.00
LACHUTE__HYDRO 323717	19.94 1.54 -0.04	19.45 1.22 -3.12	17.87 1.21 -1.89	17.94 1.21 -2.30	18.57 1.25 -2.83	22.12 1.34 -6.09	30.99 2.70 -3.76	42.61 3.21 -12.89	36.63 2.69 -10.91	27.89 2.90 -0.20	25.68 2.53 0.09	24.41 2.32 0.04	22.97 1.69 -0.22	23.55 1.57 -2.85	23.81 1.52 -3.91	24.01 1.84 -1.23	29.24 1.74 -5.75	38.64 2.04 -14.38	52.18 1.97 -30.52	39.78 3.21 -9.13	33.04 2.24 -11.15	29.25 1.43 -14.15	26.03 0.97 -14.71	21.47 1.20 -7.09
LAWRNCV_115KV_TB1 80681	18.05 -0.31 0.00	14.93 -0.24 -0.07	14.55 -0.25 -0.04	14.24 -0.25 -0.05	14.30 -0.26 -0.06	14.57 -0.26 -0.14	24.25 -0.37 -0.08	26.42 -0.37 -0.29	22.86 -0.41 -0.25	24.10 -0.69 -0.01	22.45 -0.79 0.00	21.31 -0.82 0.00	20.27 -0.80 -0.01	18.50 -0.69 -0.06	17.78 -0.68 -0.09	20.21 -0.75 -0.03	21.08 -0.80 -0.13	21.79 -0.76 -0.33	19.74 -0.65 -0.70	26.78 -0.88 -0.21	19.19 -0.71 -0.25	13.54 -0.44 -0.32	10.39 -0.29 -0.33	12.95 -0.40 -0.16
LEDERLE____ 23769	19.55 1.16 -0.03	18.33 0.92 -2.30	17.03 0.87 -1.40	16.98 0.85 -1.69	17.44 0.86 -2.09	20.00 0.81 -4.50	28.76 1.45 -2.77	37.72 1.70 -9.52	32.75 1.50 -8.23	26.67 1.64 -0.24	24.86 1.56 -0.07	23.74 1.57 -0.03	22.83 1.54 -0.23	22.69 1.38 -2.19	22.64 1.32 -2.94	23.29 1.44 -0.91	27.49 1.48 -4.26	34.86 1.49 -11.15	45.10 1.36 -24.05	36.80 1.78 -7.57	29.67 1.32 -8.71	25.20 0.86 -10.68	21.88 0.67 -10.86	19.27 0.86 -5.23
LIGHTHSE_115KV_TB6 355974	18.28 -0.09 0.00	15.45 -0.08 -0.42	14.93 -0.09 -0.25	14.67 -0.07 -0.31	14.83 -0.04 -0.38	15.50 -0.01 -0.82	25.61 0.56 -0.50	28.95 0.72 -1.73	24.96 0.46 -1.48	25.25 0.42 -0.03	23.63 0.40 0.00	22.44 0.31 0.00	21.36 0.25 -0.03	19.73 0.21 -0.39	19.11 0.20 -0.53	21.37 0.27 -0.17	22.83 0.30 -0.77	24.57 0.38 -1.97	24.30 0.39 -4.22	29.40 0.66 -1.29	21.65 0.47 -1.53	15.92 0.34 -1.92	12.58 0.26 -1.97	14.48 0.34 -0.95
LINDEN COGEN____ 23786	19.49 1.08 -0.04	18.51 0.88 -2.53	17.15 0.84 -1.54	17.10 0.81 -1.86	17.63 0.84 -2.30	20.46 0.82 -4.94	29.06 1.42 -3.10	38.60 1.70 -10.39	33.60 1.57 -9.00	26.79 1.69 -0.31	25.06 1.70 -0.13	23.93 1.70 -0.09	23.03 1.66 -0.30	23.07 1.47 -2.47	23.04 1.38 -3.28	23.49 1.46 -1.09	27.92 1.48 -4.69	35.85 1.40 -12.23	47.37 1.28 -26.40	37.43 1.65 -8.34	30.48 1.28 -9.55	26.14 0.78 -11.70	22.96 0.63 -11.97	19.77 0.83 -5.76
LINDHRST_69_KV_BK1 356055	22.61 1.85 -2.39	20.31 1.53 -3.68	18.98 1.46 -2.75	18.54 1.43 -2.68	19.08 1.45 -3.14	23.42 1.45 -7.27	34.12 2.58 -7.00	39.77 2.70 -10.56	34.63 2.49 -9.12	30.47 2.83 -2.85	28.25 2.63 -2.39	27.34 2.57 -2.64	25.89 2.44 -2.38	27.34 2.20 -6.02	27.81 2.13 -7.30	29.55 2.37 -6.25	31.00 2.39 -6.85	39.87 2.16 -15.49	50.84 1.97 -29.18	45.72 2.69 -15.59	35.82 2.04 -14.13	33.44 1.39 -18.39	29.86 1.13 -18.38	23.51 1.44 -8.89
LIPA_MISC_IPP 23656	22.86 2.11 -2.39	20.51 1.72 -3.68	19.19 1.67 -2.75	18.75 1.63 -2.68	19.28 1.65 -3.14	23.63 1.66 -7.27	37.77 2.92 -10.31	41.81 3.00 -12.31	36.19 2.79 -10.38	37.74 3.20 -9.75	28.65 2.95 -2.46	27.72 2.88 -2.71	26.16 2.72 -2.38	27.70 2.49 -6.09	31.75 2.41 -10.97	34.03 2.68 -10.42	38.42 2.68 -13.99	73.74 2.40 -49.13	79.70 2.19 -57.83	120.63 2.99 -90.19	83.14 2.30 -61.20	67.45 1.57 -52.22	36.28 1.27 -24.65	33.89 1.64 -19.07
LISF__SOLAR 323691	22.90 2.15 -2.39	20.54 1.75 -3.68	19.23 1.71 -2.75	18.77 1.66 -2.68	19.31 1.68 -3.14	23.66 1.69 -7.27	37.77 2.97 -10.26	41.82 3.02 -12.29	39.65 2.81 -13.82	37.66 3.22 -9.65	28.67 2.97 -2.46	27.74 2.90 -2.71	26.19 2.74 -2.39	27.72 2.50 -6.09	31.72 2.43 -10.91	34.00 2.70 -10.36	38.34 2.70 -13.89	73.32 2.44 -48.66	79.35 2.22 -57.44	119.62 3.02 -89.15	82.53 2.34 -60.54	67.00 1.60 -51.74	36.20 1.28 -24.57	33.78 1.66 -18.93
LITTLE FALLS__HYD 24013	18.68 0.31 0.00	15.41 0.24 -0.06	15.02 0.22 -0.04	14.69 0.22 -0.05	14.78 0.23 -0.06	15.05 0.24 -0.12	24.91 0.29 -0.07	27.08 0.32 -0.26	23.45 0.21 -0.22	25.02 0.22 -0.01	23.47 0.23 0.00	22.33 0.20 0.00	21.24 0.17 -0.01	19.28 0.10 -0.06	18.47 0.02 -0.08	20.98 0.02 -0.02	21.89 0.02 -0.11	22.55 0.04 -0.29	20.33 0.02 -0.62	27.64 0.00 -0.19	19.85 -0.02 -0.23	13.97 0.03 -0.28	10.66 0.02 -0.29	13.37 0.04 -0.14
LITTLRIV_115KV_TB1 356100	18.18 -0.18 0.00	15.04 -0.14 -0.07	14.65 -0.16 -0.04	14.33 -0.16 -0.05	14.40 -0.16 -0.07	14.68 -0.16 -0.14	24.46 -0.17 -0.09	26.71 -0.11 -0.31	23.03 -0.25 -0.26	24.25 -0.55 -0.01	22.61 -0.63 0.00	21.42 -0.71 0.00	20.38 -0.70 -0.01	18.58 -0.61 -0.07	17.88 -0.59 -0.09	20.31 -0.65 -0.03	21.21 -0.67 -0.14	21.99 -0.58 -0.35	19.94 -0.49 -0.75	27.02 -0.66 -0.23	19.37 -0.55 -0.27	13.67 -0.33 -0.34	10.46 -0.24 -0.35	13.02 -0.33 -0.17
LI_NEWBRDGE__DRP 323616	22.24 1.49 -2.39	20.01 1.22 -3.68	18.68 1.17 -2.75	18.25 1.14 -2.68	18.79 1.16 -3.14	23.15 1.18 -7.27	33.31 2.09 -6.68	39.15 2.25 -10.39	34.08 2.05 -9.00	29.26 2.28 -2.18	27.75 2.14 -2.38	26.89 2.12 -2.63	25.49 2.04 -2.38	26.95 1.82 -6.01	27.07 1.75 -6.94	28.68 1.90 -5.85	29.82 1.91 -6.16	36.18 1.73 -12.23	47.72 1.63 -26.39	37.98 2.20 -8.34	30.85 1.65 -9.55	29.86 1.09 -15.10	29.02 0.90 -17.77	22.24 1.16 -7.90
LOCKPORT_115KV_TB60_63_64 80432	18.23 -0.15 -0.01	15.73 -0.08 -0.70	15.23 0.04 -0.42	15.02 0.07 -0.51	15.14 0.01 -0.63	16.12 0.06 -1.36	24.96 -0.42 -0.84	28.57 -0.82 -2.88	25.03 -0.46 -2.46	24.60 -0.25 -0.06	23.24 0.00 0.00	22.18 0.04 0.00	20.94 -0.19 -0.06	19.59 -0.19 -0.65	19.09 -0.17 -0.88	20.98 -0.23 -0.28	22.71 -0.33 -1.29	24.99 -0.51 -3.29	26.31 -0.41 -7.03	29.05 -0.55 -2.15	22.09 -0.12 -2.56	17.03 0.18 -3.19	13.82 0.19 -3.29	15.03 0.26 -1.58
LOCKPORT__CC1 323769	18.21 -0.17 -0.01	15.73 -0.08 -0.70	15.25 0.06 -0.43	15.00 0.06 -0.52	15.13 0.00 -0.64	16.11 0.04 -1.37	24.95 -0.44 -0.85	28.59 -0.82 -2.91	25.05 -0.46 -2.49	24.60 -0.25 -0.06	23.24 0.00 0.00	22.20 0.07 0.00	20.96 -0.17 -0.06	19.59 -0.19 -0.66	19.12 -0.15 -0.89	21.00 -0.21 -0.28	22.73 -0.33 -1.30	25.03 -0.51 -3.32	26.37 -0.41 -7.09	29.04 -0.58 -2.17	22.11 -0.12 -2.58	17.06 0.18 -3.22	13.85 0.19 -3.32	15.05 0.26 -1.60



LOCKPORT___CC2 323770	18.21 -0.17 -0.01	15.73 -0.08 -0.70	15.25 0.06 -0.43	15.00 0.06 -0.52	15.13 0.00 -0.64	16.11 0.04 -1.37	24.95 -0.44 -0.85	28.59 -0.82 -2.91	25.05 -0.46 -2.49	24.60 -0.25 -0.06	23.24 0.00 0.00	22.20 0.07 0.00	20.96 -0.17 -0.06	19.59 -0.19 -0.66	19.12 -0.15 -0.89	21.00 -0.21 -0.28	22.73 -0.33 -1.30	25.03 -0.51 -3.32	26.37 -0.41 -7.09	29.04 -0.58 -2.17	22.11 -0.12 -2.58	17.06 0.18 -3.22	13.85 0.19 -3.32	15.05 0.26 -1.60
LOCKPORT___CC3 323771	18.21 -0.17 -0.01	15.73 -0.08 -0.70	15.25 0.06 -0.43	15.00 0.06 -0.52	15.13 0.00 -0.64	16.11 0.04 -1.37	24.95 -0.44 -0.85	28.59 -0.82 -2.91	25.05 -0.46 -2.49	24.60 -0.25 -0.06	23.24 0.00 0.00	22.20 0.07 0.00	20.96 -0.17 -0.06	19.59 -0.19 -0.66	19.12 -0.15 -0.89	21.00 -0.21 -0.28	22.73 -0.33 -1.30	25.03 -0.51 -3.32	26.37 -0.41 -7.09	29.04 -0.58 -2.17	22.11 -0.12 -2.58	17.06 0.18 -3.22	13.85 0.19 -3.32	15.05 0.26 -1.60
LONG_LAKE_PHOENIX 24014	18.26 -0.11 -0.01	15.48 -0.09 -0.47	14.97 -0.07 -0.28	14.70 -0.07 -0.34	14.86 -0.06 -0.42	15.56 -0.04 -0.91	25.71 0.61 -0.56	29.20 0.77 -1.93	25.29 0.62 -1.65	25.53 0.69 -0.04	23.89 0.65 0.00	22.73 0.60 0.00	21.63 0.53 -0.04	20.02 0.46 -0.43	19.41 0.44 -0.59	21.68 0.57 -0.18	23.20 0.59 -0.86	25.04 0.62 -2.20	24.96 0.57 -4.70	29.76 0.88 -1.44	22.03 0.67 -1.71	16.23 0.44 -2.14	12.88 0.33 -2.20	14.68 0.44 -1.06
LOVETT___3 23632	19.46 1.07 -0.03	18.27 0.86 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.38 0.80 -2.09	19.95 0.75 -4.50	28.69 1.37 -2.78	37.65 1.62 -9.53	32.69 1.43 -8.24	26.60 1.56 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.75 1.45 -0.23	22.62 1.30 -2.19	22.57 1.25 -2.94	23.21 1.36 -0.91	27.41 1.39 -4.27	34.76 1.38 -11.17	45.03 1.26 -24.08	36.67 1.65 -7.58	29.59 1.22 -8.72	25.16 0.81 -10.69	21.85 0.63 -10.87	19.23 0.80 -5.24
LOVETT___4 23642	19.46 1.07 -0.03	18.27 0.86 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.38 0.80 -2.09	19.95 0.75 -4.50	28.69 1.37 -2.78	37.65 1.62 -9.53	32.69 1.43 -8.24	26.60 1.56 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.75 1.45 -0.23	22.62 1.30 -2.19	22.57 1.25 -2.94	23.21 1.36 -0.91	27.41 1.39 -4.27	34.76 1.38 -11.17	45.03 1.26 -24.08	36.67 1.65 -7.58	29.59 1.22 -8.72	25.16 0.81 -10.69	21.85 0.63 -10.87	19.23 0.80 -5.24
LOVETT___5 23593	19.46 1.07 -0.03	18.27 0.86 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.38 0.80 -2.09	19.95 0.75 -4.50	28.69 1.37 -2.78	37.65 1.62 -9.53	32.69 1.43 -8.24	26.60 1.56 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.75 1.45 -0.23	22.62 1.30 -2.19	22.57 1.25 -2.94	23.21 1.36 -0.91	27.41 1.39 -4.27	34.76 1.38 -11.17	45.03 1.26 -24.08	36.67 1.65 -7.58	29.59 1.22 -8.72	25.16 0.81 -10.69	21.85 0.63 -10.87	19.23 0.80 -5.24
LOWER RAQUET___HYD 24057	18.04 -0.33 0.00	14.92 -0.26 -0.08	14.52 -0.30 -0.05	14.21 -0.27 -0.06	14.28 -0.29 -0.07	14.55 -0.29 -0.15	24.27 -0.37 -0.10	26.48 -0.37 -0.35	22.91 -0.41 -0.30	24.06 -0.74 -0.01	22.38 -0.86 0.00	21.22 -0.91 0.00	20.19 -0.88 -0.01	18.44 -0.77 -0.08	17.73 -0.75 -0.11	20.13 -0.84 -0.03	21.02 -0.89 -0.16	21.77 -0.84 -0.40	19.81 -0.73 -0.85	26.72 -0.99 -0.26	19.19 -0.77 -0.31	13.58 -0.46 -0.39	10.44 -0.31 -0.40	12.97 -0.41 -0.19
LOWER___HUDSON 24059	19.14 0.74 -0.03	18.77 0.59 -3.08	17.23 0.59 -1.87	17.29 0.59 -2.27	17.89 0.59 -2.80	21.33 0.62 -6.02	29.40 1.15 -3.71	40.49 1.25 -12.74	34.83 1.06 -10.74	26.11 1.14 -0.18	24.14 1.02 0.11	23.05 0.97 0.05	22.15 0.88 -0.20	22.73 0.80 -2.80	23.01 0.79 -3.85	23.07 0.92 -1.22	28.36 0.93 -5.67	37.33 1.02 -14.09	50.45 0.93 -29.83	37.60 1.32 -8.84	31.51 0.94 -10.92	28.19 0.60 -13.93	25.31 0.43 -14.53	20.74 0.55 -7.00
LOWVILLE_115KV_TB2 356335	18.44 0.07 0.00	15.35 0.06 -0.19	14.91 0.03 -0.12	14.60 0.03 -0.14	14.74 0.07 -0.17	15.15 0.09 -0.37	25.26 0.49 -0.23	27.93 0.64 -0.78	24.02 0.32 -0.67	24.96 0.15 -0.02	23.33 0.09 0.00	22.11 -0.02 0.00	21.02 -0.06 -0.02	19.23 -0.08 -0.18	18.56 -0.06 -0.24	21.01 0.00 -0.08	22.15 0.04 -0.35	23.31 0.20 -0.89	21.84 0.24 -1.91	28.47 0.44 -0.59	20.60 0.26 -0.70	14.71 0.18 -0.87	11.36 0.11 -0.89	13.76 0.15 -0.43
LUTHERFT_115KV_GLOB_FND_222 355753	19.34 0.94 -0.04	18.96 0.74 -3.12	17.39 0.74 -1.89	17.46 0.74 -2.29	18.08 0.75 -2.83	21.56 0.78 -6.09	29.81 1.52 -3.75	41.11 1.72 -12.88	35.37 1.45 -10.90	26.58 1.59 -0.20	24.54 1.39 0.09	23.40 1.31 0.04	22.44 1.16 -0.21	23.05 1.07 -2.85	23.31 1.03 -3.90	23.38 1.21 -1.23	28.71 1.22 -5.74	37.88 1.33 -14.33	51.33 1.24 -30.40	38.30 1.78 -9.07	32.02 1.26 -11.11	28.59 0.81 -14.12	25.62 0.58 -14.69	20.99 0.73 -7.08
LUTHERNY_35_KV_BK2 355980	19.34 0.94 -0.04	18.98 0.76 -3.12	17.39 0.74 -1.89	17.46 0.74 -2.29	18.08 0.75 -2.83	21.57 0.79 -6.09	29.84 1.55 -3.75	41.13 1.75 -12.88	35.40 1.47 -10.90	26.58 1.59 -0.20	24.57 1.42 0.09	23.42 1.33 0.04	22.46 1.18 -0.21	23.05 1.07 -2.85	23.32 1.05 -3.90	23.40 1.24 -1.23	28.73 1.24 -5.74	37.90 1.36 -14.33	51.35 1.26 -30.40	38.33 1.81 -9.07	32.04 1.28 -11.11	28.60 0.82 -14.12	25.62 0.58 -14.69	21.01 0.74 -7.08
LWR___OSWEGATCHIE_HYD 23850	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.64 -0.21 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.69 -0.02 -0.17	27.15 0.05 -0.60	23.42 -0.12 -0.51	24.43 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.76 -0.50 -0.13	18.08 -0.48 -0.18	20.49 -0.50 -0.06	21.52 -0.50 -0.27	22.50 -0.40 -0.68	20.83 -0.32 -1.45	27.53 -0.36 -0.44	19.86 -0.31 -0.53	14.14 -0.18 -0.66	10.91 -0.12 -0.68	13.34 -0.17 -0.33
LYONS_FALL_HYD 23570	18.55 0.18 0.00	15.43 0.15 -0.17	14.99 0.12 -0.11	14.67 0.11 -0.13	14.81 0.16 -0.16	15.21 0.18 -0.34	25.28 0.52 -0.22	27.92 0.66 -0.76	24.04 0.37 -0.65	25.08 0.27 -0.02	23.47 0.23 0.00	22.24 0.11 0.00	21.17 0.08 -0.02	19.35 0.06 -0.17	18.66 0.06 -0.23	21.13 0.13 -0.07	22.26 0.17 -0.34	23.37 0.29 -0.86	21.85 0.31 -1.84	28.53 0.52 -0.56	20.65 0.33 -0.67	14.71 0.22 -0.84	11.36 0.14 -0.86	13.80 0.20 -0.42
MADISON___COUNTY_LFGE 323628	18.88 0.51 0.00	15.78 0.41 -0.27	15.31 0.38 -0.16	15.00 0.38 -0.19	15.15 0.42 -0.24	15.65 0.44 -0.52	25.69 0.83 -0.32	28.61 1.01 -1.09	24.67 0.71 -0.94	25.48 0.67 -0.02	23.89 0.65 0.00	22.69 0.55 0.00	21.57 0.48 -0.02	19.79 0.42 -0.25	19.12 0.40 -0.33	21.56 0.52 -0.10	22.81 0.57 -0.49	24.16 0.69 -1.25	23.01 0.65 -2.67	29.25 0.99 -0.82	21.31 0.69 -0.97	15.32 0.45 -1.21	11.92 0.32 -1.25	14.21 0.42 -0.60
MALONE___115KV_TB1 356076	18.33 -0.04 0.00	15.07 -0.03 0.00	14.72 -0.04 0.00	14.37 -0.06 0.00	14.41 -0.09 0.00	14.61 -0.09 0.00	24.47 -0.07 0.00	26.40 -0.11 0.00	22.93 -0.09 0.00	24.55 -0.25 0.00	23.05 -0.19 0.00	21.87 -0.27 0.00	20.88 -0.19 0.00	19.01 -0.11 0.00	18.23 -0.15 0.00	20.79 -0.15 0.00	21.69 -0.07 0.00	22.17 -0.04 0.00	19.61 -0.08 0.00	27.28 -0.16 0.00	19.29 -0.35 0.00	13.32 -0.34 0.00	10.07 -0.28 0.00	12.75 -0.44 0.00



MAPLEWOD_115KV_TB3 80458	18.97 0.57 -0.03	18.61 0.45 -3.05	17.10 0.49 -1.85	17.14 0.46 -2.24	17.71 0.45 -2.77	21.11 0.46 -5.96	29.07 0.86 -3.67	39.99 0.87 -12.60	34.41 0.74 -10.64	25.82 0.84 -0.18	23.85 0.72 0.10	22.77 0.69 0.05	21.94 0.67 -0.20	22.52 0.61 -2.78	22.78 0.59 -3.81	22.83 0.69 -1.21	28.08 0.72 -5.61	36.97 0.80 -13.95	49.97 0.73 -29.56	37.26 1.04 -8.77	31.31 0.84 -10.82	27.98 0.53 -13.79	25.11 0.38 -14.38	20.60 0.49 -6.93
MAPLE_RIDGE_WT_1 323574	17.93 -0.44 0.00	14.70 -0.41 0.00	14.34 -0.43 0.00	14.03 -0.40 0.00	14.09 -0.41 0.00	14.25 -0.44 0.00	23.73 -0.81 0.00	25.61 -0.90 0.00	22.27 -0.76 0.00	24.17 -0.62 0.00	22.82 -0.42 0.00	21.73 -0.40 0.00	20.65 -0.42 0.00	18.67 -0.46 0.00	17.90 -0.48 0.00	20.37 -0.56 0.00	21.14 -0.61 0.00	21.55 -0.67 0.00	18.98 -0.71 0.00	26.24 -1.21 0.00	18.61 -1.04 0.00	12.91 -0.75 0.00	9.77 -0.58 0.00	12.43 -0.75 0.00
MAPLE_RIDGE_WT_2 323611	17.93 -0.44 0.00	14.70 -0.41 0.00	14.34 -0.43 0.00	14.03 -0.40 0.00	14.09 -0.41 0.00	14.25 -0.44 0.00	23.73 -0.81 0.00	25.61 -0.90 0.00	22.27 -0.76 0.00	24.17 -0.62 0.00	22.82 -0.42 0.00	21.73 -0.40 0.00	20.65 -0.42 0.00	18.67 -0.46 0.00	17.90 -0.48 0.00	20.37 -0.56 0.00	21.14 -0.61 0.00	21.55 -0.67 0.00	18.98 -0.71 0.00	26.24 -1.21 0.00	18.61 -1.04 0.00	12.91 -0.75 0.00	9.77 -0.58 0.00	12.43 -0.75 0.00
MARBLE_RIVER_WT_PWR 323696	18.31 -0.05 0.00	15.06 -0.05 0.00	14.68 -0.09 0.00	14.34 -0.09 0.00	14.38 -0.12 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.29 -0.21 0.00	22.84 -0.19 0.00	24.55 -0.25 0.00	23.10 -0.14 0.00	21.95 -0.18 0.00	20.98 -0.08 0.00	19.09 -0.04 0.00	18.32 -0.05 0.00	20.89 -0.04 0.00	21.77 0.02 0.00	22.26 0.04 0.00	19.67 -0.02 0.00	27.34 -0.11 0.00	19.31 -0.33 0.00	13.29 -0.37 0.00	10.03 -0.32 0.00	12.68 -0.50 0.00
MARSHVLE_115KV_TB1 80742	19.54 1.14 -0.04	19.17 0.92 -3.14	17.57 0.90 -1.91	17.65 0.91 -2.31	18.21 0.87 -2.85	21.78 0.96 -6.13	30.40 2.09 -3.78	41.78 2.31 -12.97	35.91 1.89 -11.00	26.99 1.98 -0.21	24.82 1.65 0.07	23.60 1.50 0.03	22.66 1.37 -0.23	23.29 1.28 -2.88	23.43 1.12 -3.94	23.58 1.40 -1.24	29.02 1.48 -5.78	38.48 1.76 -14.51	52.23 1.71 -30.83	39.11 2.42 -9.25	32.60 1.69 -11.26	29.08 1.16 -14.26	25.93 0.78 -14.80	21.25 0.94 -7.13
MARSH_HILL_WT_PWR 323713	18.98 0.61 -0.01	16.29 0.35 -0.84	15.68 0.41 -0.51	15.45 0.40 -0.62	15.66 0.41 -0.76	16.77 0.44 -1.63	26.14 0.59 -1.01	30.62 0.64 -3.48	26.60 0.60 -2.97	25.78 0.92 -0.07	24.42 1.18 0.00	23.26 1.13 0.00	21.85 0.72 -0.07	20.45 0.53 -0.78	19.94 0.50 -1.06	21.85 0.59 -0.33	23.89 0.59 -1.55	26.74 0.56 -3.97	28.73 0.55 -8.49	30.81 0.77 -2.60	23.40 0.67 -3.09	18.05 0.53 -3.86	14.73 0.41 -3.97	15.65 0.55 -1.91
MCINTYRE_115KV_TB2 80467	18.26 -0.11 0.00	15.09 -0.08 -0.07	14.70 -0.10 -0.04	14.38 -0.10 -0.05	14.45 -0.10 -0.06	14.72 -0.10 -0.13	24.55 -0.07 -0.08	26.78 0.00 -0.28	23.08 -0.18 -0.24	24.38 -0.42 -0.01	22.75 -0.49 0.00	21.56 -0.58 0.00	20.53 -0.55 -0.01	18.71 -0.48 -0.06	18.00 -0.46 -0.08	20.46 -0.50 -0.03	21.38 -0.50 -0.12	22.16 -0.38 -0.32	20.05 -0.32 -0.68	27.27 -0.38 -0.21	19.52 -0.37 -0.25	13.72 -0.25 -0.31	10.46 -0.21 -0.32	13.06 -0.28 -0.15
MECO____69_KV_BK1 80468	19.83 1.43 -0.04	19.41 1.16 -3.14	17.81 1.14 -1.91	17.90 1.15 -2.31	18.43 1.09 -2.85	22.03 1.21 -6.13	30.65 2.33 -3.78	42.02 2.54 -12.97	36.12 2.10 -11.00	27.24 2.23 -0.21	25.00 1.84 0.07	23.74 1.64 0.03	22.83 1.54 -0.23	23.48 1.47 -2.88	23.69 1.38 -3.94	23.89 1.72 -1.24	29.34 1.81 -5.78	38.82 2.09 -14.51	52.51 1.99 -30.83	39.52 2.83 -9.25	32.87 1.96 -11.26	29.23 1.31 -14.26	26.01 0.86 -14.80	21.36 1.04 -7.13
MENANDS__115KV_TB5 355628	18.93 0.53 -0.03	18.59 0.44 -3.05	17.07 0.46 -1.85	17.11 0.43 -2.24	17.68 0.42 -2.77	21.08 0.43 -5.96	29.04 0.83 -3.67	39.93 0.82 -12.60	34.36 0.69 -10.64	25.77 0.79 -0.18	23.81 0.67 0.10	22.72 0.64 0.05	21.90 0.63 -0.20	22.48 0.57 -2.78	22.74 0.55 -3.81	22.79 0.65 -1.21	28.04 0.67 -5.61	36.93 0.76 -13.95	49.94 0.69 -29.56	37.17 0.96 -8.77	31.21 0.75 -10.82	27.92 0.46 -13.79	25.06 0.33 -14.38	20.54 0.42 -6.93
MG INDUSTRY__DRP 24185	19.06 0.66 -0.03	18.63 0.53 -3.00	17.13 0.55 -1.82	17.17 0.53 -2.21	17.72 0.51 -2.72	21.06 0.51 -5.85	29.10 0.96 -3.61	39.85 0.95 -12.39	34.37 0.83 -10.52	25.92 0.92 -0.21	23.99 0.81 0.06	22.88 0.77 0.03	22.03 0.74 -0.22	22.55 0.67 -2.76	22.80 0.66 -3.76	22.89 0.77 -1.19	28.08 0.80 -5.52	36.95 0.84 -13.89	50.00 0.77 -29.54	37.43 1.10 -8.89	31.22 0.79 -10.78	27.79 0.51 -13.63	24.84 0.36 -14.13	20.47 0.47 -6.81
MID__OSWEGATCHIE_HYD 23849	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.64 -0.21 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.69 -0.02 -0.17	27.15 0.05 -0.60	23.42 -0.12 -0.51	24.43 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.76 -0.50 -0.13	18.08 -0.48 -0.18	20.49 -0.50 -0.06	21.52 -0.50 -0.27	22.50 -0.40 -0.68	20.83 -0.32 -1.45	27.53 -0.36 -0.44	19.86 -0.31 -0.53	14.14 -0.18 -0.66	10.91 -0.12 -0.68	13.34 -0.17 -0.33
MID__RAQUETTE_HYD 23851	18.04 -0.33 0.00	14.92 -0.26 -0.08	14.55 -0.27 -0.05	14.21 -0.27 -0.06	14.27 -0.29 -0.07	14.55 -0.29 -0.15	24.27 -0.37 -0.09	26.46 -0.37 -0.32	22.89 -0.41 -0.28	24.06 -0.74 -0.01	22.38 -0.86 0.00	21.22 -0.91 0.00	20.19 -0.88 -0.01	18.43 -0.77 -0.07	17.72 -0.75 -0.10	20.13 -0.84 -0.03	21.00 -0.89 -0.14	21.74 -0.84 -0.37	19.75 -0.73 -0.79	26.70 -0.99 -0.24	19.17 -0.77 -0.29	13.55 -0.46 -0.36	10.41 -0.31 -0.37	12.95 -0.41 -0.18
MILLIKEN__1 23584	19.00 0.62 -0.01	16.40 0.47 -0.83	15.74 0.47 -0.50	15.50 0.46 -0.61	15.75 0.51 -0.75	16.84 0.53 -1.62	26.49 0.96 -1.00	31.07 1.14 -3.42	26.89 0.94 -2.92	25.88 1.02 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.90 0.76 -0.07	20.55 0.65 -0.77	20.07 0.64 -1.04	22.08 0.82 -0.33	24.15 0.87 -1.53	27.05 0.93 -3.90	28.92 0.89 -8.34	31.29 1.29 -2.56	23.65 0.96 -3.04	18.09 0.64 -3.79	14.73 0.48 -3.90	15.69 0.62 -1.88
MILLIKEN__2 23585	19.00 0.62 -0.01	16.40 0.47 -0.83	15.74 0.47 -0.50	15.50 0.46 -0.61	15.75 0.51 -0.75	16.84 0.53 -1.62	26.49 0.96 -1.00	31.07 1.14 -3.42	26.89 0.94 -2.92	25.88 1.02 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.90 0.76 -0.07	20.55 0.65 -0.77	20.07 0.64 -1.04	22.08 0.82 -0.33	24.15 0.87 -1.53	27.05 0.93 -3.90	28.92 0.89 -8.34	31.29 1.29 -2.56	23.65 0.96 -3.04	18.09 0.64 -3.79	14.73 0.48 -3.90	15.69 0.62 -1.88
MILLIKEN__DIESEL 23629	19.00 0.62 -0.01	16.40 0.47 -0.83	15.74 0.47 -0.50	15.50 0.46 -0.61	15.75 0.51 -0.75	16.84 0.53 -1.62	26.49 0.96 -1.00	31.07 1.14 -3.42	26.89 0.94 -2.92	25.88 1.02 -0.07	24.19 0.95 0.00	23.02 0.89 0.00	21.90 0.76 -0.07	20.55 0.65 -0.77	20.07 0.64 -1.04	22.08 0.82 -0.33	24.15 0.87 -1.53	27.05 0.93 -3.90	28.92 0.89 -8.34	31.29 1.29 -2.56	23.65 0.96 -3.04	18.09 0.64 -3.79	14.73 0.48 -3.90	15.69 0.62 -1.88



MILLSEAT___LFGE 323607	18.45 0.07 -0.01	15.91 0.12 -0.68	15.43 0.25 -0.42	15.16 0.23 -0.50	15.33 0.22 -0.62	16.31 0.28 -1.34	25.37 0.00 -0.83	29.08 -0.27 -2.84	25.47 0.02 -2.43	25.07 0.22 -0.06	23.58 0.35 0.00	22.51 0.38 0.00	21.25 0.13 -0.06	19.84 0.08 -0.64	19.36 0.11 -0.87	21.31 0.11 -0.27	23.09 0.07 -1.27	25.39 -0.07 -3.24	26.61 0.00 -6.92	29.59 0.03 -2.12	22.40 0.24 -2.52	17.19 0.38 -3.15	13.91 0.32 -3.24	15.18 0.43 -1.56
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	19.50 1.10 -0.03	18.51 0.91 -2.50	17.14 0.86 -1.52	17.11 0.84 -1.84	17.62 0.86 -2.27	20.41 0.84 -4.88	29.07 1.52 -3.01	38.55 1.72 -10.32	33.51 1.54 -8.94	26.75 1.69 -0.27	24.95 1.63 -0.09	23.81 1.64 -0.04	22.88 1.56 -0.25	22.91 1.40 -2.38	22.91 1.34 -3.19	23.39 1.47 -0.99	27.85 1.48 -4.62	35.78 1.42 -12.14	47.21 1.32 -26.20	37.45 1.73 -8.28	30.43 1.30 -9.48	26.09 0.83 -11.60	22.79 0.66 -11.77	19.70 0.84 -5.67
MILLWOOD_13_KV_LOAD 356217	19.55 1.16 -0.03	18.54 0.94 -2.50	17.17 0.89 -1.52	17.13 0.87 -1.84	17.66 0.90 -2.27	20.44 0.87 -4.88	29.14 1.60 -3.01	38.63 1.80 -10.32	33.58 1.61 -8.94	26.82 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.92 1.60 -0.25	22.96 1.45 -2.38	22.94 1.38 -3.19	23.43 1.51 -0.99	27.90 1.52 -4.62	35.85 1.49 -12.14	47.29 1.40 -26.20	37.53 1.81 -8.28	30.48 1.36 -9.48	26.13 0.87 -11.60	22.82 0.69 -11.77	19.73 0.87 -5.67
MODEL_CITY_ENERGY 24167	18.04 -0.33 -0.01	15.61 -0.20 -0.71	15.13 -0.06 -0.43	14.91 -0.04 -0.52	15.03 -0.10 -0.64	16.01 -0.06 -1.38	24.71 -0.69 -0.85	28.32 -1.11 -2.93	24.82 -0.71 -2.50	24.33 -0.52 -0.06	22.96 -0.28 0.00	21.95 -0.18 0.00	20.73 -0.40 -0.06	19.40 -0.38 -0.66	18.92 -0.35 -0.90	20.77 -0.44 -0.28	22.52 -0.54 -1.31	24.81 -0.76 -3.34	26.19 -0.65 -7.15	28.76 -0.88 -2.19	21.93 -0.32 -2.60	16.95 0.04 -3.25	13.78 0.08 -3.34	14.93 0.13 -1.61
MODERN_LFGE___ 323580	18.04 -0.33 -0.01	15.61 -0.20 -0.71	15.13 -0.06 -0.43	14.91 -0.04 -0.52	15.03 -0.10 -0.64	16.01 -0.06 -1.38	24.71 -0.69 -0.85	28.32 -1.11 -2.93	24.82 -0.71 -2.50	24.33 -0.52 -0.06	22.96 -0.28 0.00	21.95 -0.18 0.00	20.73 -0.40 -0.06	19.40 -0.38 -0.66	18.92 -0.35 -0.90	20.77 -0.44 -0.28	22.52 -0.54 -1.31	24.81 -0.76 -3.34	26.19 -0.65 -7.15	28.76 -0.88 -2.19	21.93 -0.32 -2.60	16.95 0.04 -3.25	13.78 0.08 -3.34	14.93 0.13 -1.61
MOHAWK_PAPER___DRP 24187	18.97 0.57 -0.03	18.61 0.45 -3.05	17.10 0.49 -1.85	17.14 0.46 -2.24	17.71 0.45 -2.77	21.11 0.46 -5.96	29.07 0.86 -3.67	39.99 0.87 -12.60	34.41 0.74 -10.64	25.82 0.84 -0.18	23.85 0.72 0.10	22.77 0.69 0.05	21.94 0.67 -0.20	22.52 0.61 -2.78	22.78 0.59 -3.81	22.83 0.69 -1.21	28.08 0.72 -5.61	36.97 0.80 -13.95	49.97 0.73 -29.56	37.26 1.04 -8.77	31.31 0.84 -10.82	27.98 0.53 -13.79	25.11 0.38 -14.38	20.60 0.49 -6.93
MOHICAN___35_KV_115KV_LD 80490	19.34 0.94 -0.04	18.96 0.74 -3.12	17.38 0.72 -1.89	17.46 0.74 -2.29	18.12 0.80 -2.83	21.64 0.85 -6.09	30.03 1.74 -3.75	41.49 2.09 -12.89	35.68 1.75 -10.91	26.88 1.88 -0.20	24.82 1.67 0.09	23.64 1.55 0.04	22.53 1.24 -0.22	23.13 1.15 -2.85	23.40 1.12 -3.90	23.49 1.32 -1.23	28.74 1.24 -5.74	37.98 1.42 -14.34	51.48 1.36 -30.43	38.50 1.98 -9.08	32.15 1.38 -11.13	28.67 0.87 -14.13	25.65 0.60 -14.70	21.01 0.74 -7.09
MONGAUP___HYD 23641	19.47 1.08 -0.02	18.15 0.85 -2.20	16.90 0.80 -1.34	16.83 0.78 -1.62	17.22 0.72 -2.00	19.66 0.66 -4.30	28.42 1.23 -2.65	36.73 1.11 -9.11	31.98 1.08 -7.87	26.28 1.26 -0.23	24.53 1.23 -0.06	23.38 1.22 -0.03	22.48 1.20 -0.22	22.29 1.07 -2.10	22.22 1.03 -2.81	22.96 1.15 -0.87	27.03 1.20 -4.08	34.01 1.13 -10.66	43.64 0.96 -22.98	36.07 1.40 -7.22	29.07 1.10 -8.32	24.61 0.74 -10.22	21.31 0.57 -10.39	18.95 0.75 -5.01
MONTAUK___DIESEL 23721	23.54 2.79 -2.39	21.08 2.30 -3.68	19.75 2.23 -2.75	19.31 2.19 -2.68	19.85 2.22 -3.14	24.16 2.19 -7.27	38.78 3.95 -10.29	43.02 4.21 -12.30	37.26 3.82 -10.41	38.77 4.26 -9.72	29.67 3.97 -2.46	28.65 3.81 -2.71	27.03 3.58 -2.38	28.48 3.27 -6.09	32.49 3.16 -10.95	34.89 3.56 -10.40	39.43 3.72 -13.96	74.72 3.53 -48.97	80.55 3.17 -57.69	121.65 4.36 -89.84	83.90 3.28 -60.97	67.94 2.23 -52.05	36.71 1.74 -24.62	34.40 2.19 -19.03
MOONROAD_115KV_HARTFLD_TB1-2 355988	18.71 0.33 -0.01	15.87 0.00 -0.76	15.32 0.09 -0.46	15.06 0.07 -0.56	15.24 0.06 -0.69	16.30 0.12 -1.49	25.31 -0.15 -0.92	29.32 -0.34 -3.15	25.54 -0.18 -2.70	25.08 0.22 -0.06	23.98 0.74 0.00	22.88 0.75 0.00	21.30 0.17 -0.06	19.86 0.02 -0.71	19.32 -0.02 -0.96	21.19 -0.04 -0.30	23.03 -0.13 -1.41	25.53 -0.29 -3.60	27.19 -0.20 -7.70	29.47 -0.33 -2.36	22.33 -0.12 -2.80	17.29 0.14 -3.50	14.05 0.10 -3.60	15.06 0.15 -1.73
MORTIMER_115KV_TB3 55949	18.41 0.04 -0.01	15.86 0.14 -0.62	15.32 0.18 -0.38	15.06 0.17 -0.46	15.25 0.19 -0.56	16.16 0.25 -1.21	25.53 0.25 -0.75	29.23 0.16 -2.56	25.54 0.32 -2.19	25.27 0.42 -0.05	23.61 0.37 0.00	22.51 0.38 0.00	21.41 0.29 -0.05	19.95 0.25 -0.58	19.44 0.28 -0.78	21.51 0.33 -0.25	23.25 0.35 -1.15	25.41 0.27 -2.92	26.22 0.28 -6.25	29.75 0.38 -1.92	22.32 0.39 -2.28	16.88 0.38 -2.84	13.58 0.30 -2.92	14.99 0.40 -1.41
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.14	24.00 1.77 -0.09	23.09 1.73 -0.30	23.13 1.53 -2.47	23.13 1.47 -3.29	23.60 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
MUNSVILLE_WIND_PWR 323609	19.85 1.47 -0.01	17.37 1.13 -1.13	16.53 1.08 -0.69	16.32 1.05 -0.83	16.67 1.14 -1.03	18.08 1.18 -2.21	28.26 2.36 -1.37	33.99 2.78 -4.70	29.02 1.98 -4.02	26.75 1.86 -0.09	25.02 1.79 0.00	23.62 1.48 0.00	22.47 1.31 -0.09	21.29 1.11 -1.06	20.91 1.10 -1.44	22.85 1.46 -0.45	25.48 1.63 -2.10	29.49 1.91 -5.36	32.92 1.77 -11.46	33.59 2.64 -3.51	25.60 1.79 -4.17	20.03 1.16 -5.21	16.52 0.81 -5.36	16.85 1.08 -2.58
N SALMON___HYD 24042	18.33 -0.04 0.00	15.07 -0.03 0.00	14.69 -0.07 0.00	14.37 -0.06 0.00	14.41 -0.09 0.00	14.61 -0.09 0.00	24.53 -0.07 -0.06	26.61 -0.11 -0.21	23.11 -0.09 -0.18	24.55 -0.25 0.00	23.05 -0.19 0.00	21.87 -0.26 0.00	20.88 -0.19 0.00	19.06 -0.11 -0.05	18.29 -0.15 -0.06	20.81 -0.15 -0.02	21.78 -0.07 -0.09	22.41 -0.04 -0.23	20.11 -0.08 -0.50	27.44 -0.16 -0.15	19.48 -0.35 -0.18	13.55 -0.34 -0.23	10.31 -0.28 -0.23	12.86 -0.43 -0.11
N.AKRON___115KV_KNAPP 355671	18.47 0.09 -0.01	15.93 0.14 -0.69	15.42 0.24 -0.42	15.18 0.25 -0.51	15.33 0.22 -0.62	16.32 0.28 -1.34	25.37 0.00 -0.83	29.05 -0.29 -2.84	25.45 0.00 -2.43	25.05 0.20 -0.06	23.58 0.35 0.00	22.51 0.38 0.00	21.25 0.13 -0.06	19.84 0.08 -0.64	19.35 0.11 -0.87	21.31 0.10 -0.27	23.09 0.07 -1.27	25.37 -0.09 -3.24	26.60 -0.02 -6.93	29.57 0.00 -2.12	22.38 0.22 -2.52	17.19 0.38 -3.15	13.91 0.32 -3.24	15.18 0.44 -1.56



N.BELMOR_69_KV_BK1 55787	22.35 1.60 -2.39	20.10 1.31 -3.68	18.77 1.25 -2.75	18.34 1.23 -2.68	18.88 1.25 -3.14	23.22 1.25 -7.27	33.46 2.23 -6.68	39.31 2.41 -10.39	34.21 2.19 -9.00	29.40 2.43 -2.18	27.85 2.23 -2.38	26.98 2.21 -2.63	25.57 2.13 -2.38	27.07 1.93 -6.01	27.18 1.86 -6.94	28.83 2.05 -5.85	29.98 2.07 -6.16	36.36 1.91 -12.23	47.86 1.77 -26.39	38.20 2.42 -8.34	31.01 1.81 -9.55	29.95 1.19 -15.10	29.09 0.97 -17.77	22.32 1.24 -7.90
N.E_GEN_SANDY PD 24062	19.19 0.79 -0.03	18.54 0.65 -2.79	17.09 0.63 -1.69	17.10 0.62 -2.05	17.66 0.64 -2.53	20.78 0.65 -5.44	29.00 1.11 -3.36	39.22 1.19 -11.52	32.90 1.04 -8.84	25.63 1.14 0.30	23.50 1.05 0.78	22.80 1.04 0.37	21.90 0.99 0.16	22.12 0.88 -2.11	22.43 0.85 -3.21	23.00 0.96 -1.10	27.78 1.00 -5.03	33.10 0.98 -9.91	39.60 0.89 -19.02	32.29 1.21 -3.64	27.92 0.88 -7.39	25.59 0.55 -11.38	23.93 0.43 -13.14	20.09 0.57 -6.34
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	19.49 1.10 -0.03	18.28 0.88 -2.31	17.00 0.84 -1.40	16.95 0.82 -1.70	17.40 0.81 -2.09	19.96 0.76 -4.50	28.71 1.40 -2.77	37.65 1.62 -9.52	32.71 1.45 -8.24	26.60 1.56 -0.24	24.82 1.51 -0.07	23.67 1.50 -0.03	22.77 1.47 -0.23	22.64 1.32 -2.19	22.58 1.27 -2.94	23.23 1.38 -0.91	27.43 1.41 -4.26	34.80 1.42 -11.16	45.06 1.30 -24.07	36.72 1.70 -7.58	29.60 1.24 -8.71	25.16 0.82 -10.69	21.86 0.64 -10.86	19.24 0.82 -5.24
N.QUEENS_27_KV_LOAD 356247	19.42 1.01 -0.04	18.53 0.89 -2.53	17.12 0.81 -1.54	17.07 0.78 -1.86	17.59 0.80 -2.30	20.41 0.79 -4.92	29.13 1.50 -3.10	38.73 1.83 -10.39	33.48 1.45 -9.00	26.83 1.76 -0.27	25.07 1.74 -0.09	23.97 1.79 -0.05	23.12 1.79 -0.26	23.11 1.57 -2.41	23.11 1.51 -3.22	23.50 1.55 -1.01	27.95 1.54 -4.66	35.82 1.38 -12.23	47.34 1.26 -26.39	37.35 1.56 -8.34	30.36 1.16 -9.55	26.13 0.78 -11.69	23.01 0.69 -11.96	19.79 0.86 -5.75
N.TROY___115KV_TB1 355778	19.14 0.73 -0.03	18.79 0.60 -3.08	17.24 0.61 -1.87	17.29 0.59 -2.27	17.89 0.59 -2.80	21.33 0.62 -6.02	29.40 1.15 -3.71	40.48 1.25 -12.73	34.82 1.06 -10.74	26.11 1.14 -0.18	24.14 1.02 0.11	23.05 0.97 0.05	22.15 0.88 -0.20	22.73 0.80 -2.80	23.01 0.79 -3.84	23.07 0.92 -1.22	28.36 0.94 -5.67	37.30 1.02 -14.06	50.36 0.93 -29.74	37.53 1.29 -8.80	31.48 0.94 -10.89	28.17 0.60 -13.91	25.31 0.43 -14.53	20.74 0.55 -7.00
NARROWS_GT1_1 24228	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_2 24229	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_3 24230	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_4 24231	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_5 24232	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_6 24233	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_7 24234	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT1_8 24235	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_1 24236	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_2 24237	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76



NARROWS_GT2_3 24238	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_4 24239	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_5 24240	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_6 24241	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_7 24242	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NARROWS_GT2_8 24243	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	19.23 0.83 -0.03	18.49 0.50 -2.88	17.03 0.52 -1.75	17.04 0.49 -2.12	17.52 0.41 -2.62	20.71 0.38 -5.63	28.84 0.83 -3.47	39.24 0.82 -11.91	33.82 0.67 -10.13	25.92 0.92 -0.21	23.94 0.74 0.04	22.78 0.66 0.02	22.00 0.72 -0.22	22.25 0.46 -2.66	22.48 0.48 -3.62	22.66 0.59 -1.14	27.74 0.67 -5.32	36.54 0.91 -13.41	49.12 0.87 -28.56	37.56 1.48 -8.63	30.85 0.79 -10.42	27.32 0.53 -13.13	24.27 0.33 -13.59	20.17 0.44 -6.55
NCHELSEA_115KV_TR2 355582	19.57 1.18 -0.03	18.52 0.94 -2.48	17.15 0.89 -1.51	17.12 0.87 -1.82	17.59 0.84 -2.25	20.33 0.79 -4.84	28.97 1.45 -2.98	38.39 1.64 -10.24	33.30 1.43 -8.84	26.56 1.51 -0.25	24.74 1.44 -0.06	23.60 1.44 -0.03	22.74 1.43 -0.24	22.76 1.28 -2.35	22.76 1.23 -3.16	23.27 1.36 -0.98	27.75 1.41 -4.59	35.64 1.47 -11.96	46.78 1.34 -25.75	37.27 1.76 -8.07	30.26 1.28 -9.33	25.98 0.85 -11.47	22.69 0.65 -11.69	19.65 0.83 -5.63
NEG CAPITAL___MECHNVIL 23645	19.36 0.95 -0.04	18.97 0.75 -3.11	17.40 0.75 -1.89	17.47 0.75 -2.29	18.07 0.75 -2.82	21.56 0.79 -6.07	29.80 1.52 -3.74	41.05 1.70 -12.84	35.31 1.43 -10.86	26.55 1.56 -0.19	24.53 1.39 0.09	23.39 1.31 0.05	22.44 1.16 -0.21	23.03 1.07 -2.84	23.31 1.05 -3.89	23.40 1.23 -1.23	28.71 1.24 -5.72	37.86 1.36 -14.29	51.27 1.28 -30.30	38.29 1.81 -9.04	32.00 1.28 -11.08	28.55 0.81 -14.08	25.58 0.58 -14.65	20.99 0.74 -7.06
NEG CENTRAL_HIGH_ACRES 23767	18.06 -0.31 -0.01	15.54 -0.18 -0.61	15.02 -0.12 -0.37	14.75 -0.13 -0.45	14.93 -0.12 -0.56	15.83 -0.06 -1.20	25.06 -0.22 -0.74	28.79 -0.27 -2.55	25.07 -0.14 -2.18	24.77 -0.07 -0.05	23.12 -0.12 0.00	22.04 -0.09 0.00	20.97 -0.15 -0.05	19.57 -0.13 -0.58	19.05 -0.11 -0.78	21.09 -0.08 -0.24	22.80 -0.09 -1.14	25.00 -0.13 -2.91	25.83 -0.08 -6.22	29.27 -0.08 -1.91	21.93 0.02 -2.26	16.56 0.07 -2.83	13.30 0.04 -2.91	14.67 0.08 -1.40
NEG CENTRAL___DRP 24199	18.72 0.35 -0.01	16.00 0.24 -0.65	15.43 0.27 -0.40	15.18 0.27 -0.48	15.39 0.30 -0.59	16.32 0.35 -1.27	25.91 0.59 -0.78	29.92 0.72 -2.69	25.97 0.64 -2.30	25.59 0.74 -0.05	23.98 0.74 0.00	22.82 0.69 0.00	21.67 0.55 -0.05	20.19 0.46 -0.61	19.64 0.44 -0.82	21.76 0.57 -0.26	23.56 0.61 -1.20	25.91 0.62 -3.07	26.87 0.61 -6.57	30.36 0.91 -2.01	22.73 0.69 -2.39	17.11 0.46 -2.99	13.78 0.35 -3.07	15.14 0.47 -1.48
NEG CENTRAL___INDECK 23768	19.05 0.68 -0.01	16.40 0.54 -0.75	15.83 0.61 -0.46	15.56 0.58 -0.55	15.80 0.62 -0.68	16.88 0.72 -1.47	26.55 1.11 -0.91	30.80 1.16 -3.12	26.78 1.08 -2.67	26.05 1.19 -0.06	24.42 1.18 0.00	23.26 1.13 0.00	21.97 0.84 -0.06	20.52 0.69 -0.70	19.99 0.66 -0.95	22.09 0.86 -0.30	24.08 0.93 -1.40	26.76 0.98 -3.56	28.34 1.02 -7.62	31.23 1.45 -2.34	23.56 1.14 -2.77	17.98 0.86 -3.46	14.56 0.64 -3.56	15.75 0.84 -1.72
NEG CENTRAL___SENECA 23627	18.80 0.42 -0.01	16.09 0.30 -0.68	15.50 0.32 -0.41	15.27 0.33 -0.50	15.48 0.36 -0.62	16.44 0.41 -1.33	26.00 0.64 -0.82	30.12 0.80 -2.82	26.15 0.71 -2.41	25.69 0.84 -0.06	24.10 0.86 0.00	22.93 0.80 0.00	21.74 0.61 -0.06	20.28 0.52 -0.64	19.74 0.50 -0.86	21.83 0.63 -0.27	23.69 0.67 -1.26	26.13 0.69 -3.22	27.25 0.67 -6.89	30.54 0.99 -2.11	22.90 0.75 -2.51	17.29 0.51 -3.13	13.95 0.38 -3.22	15.25 0.51 -1.55
NEG CENTRAL___STATE_STREET 24147	18.74 0.37 -0.01	16.04 0.29 -0.65	15.45 0.30 -0.39	15.18 0.27 -0.48	15.40 0.32 -0.59	16.31 0.35 -1.26	26.13 0.81 -0.78	30.19 1.01 -2.67	26.16 0.85 -2.28	25.81 0.97 -0.05	24.12 0.88 0.00	22.97 0.84 0.00	21.84 0.72 -0.05	20.36 0.63 -0.60	19.82 0.62 -0.82	21.96 0.77 -0.26	23.75 0.80 -1.19	26.11 0.84 -3.05	27.02 0.81 -6.52	30.62 1.18 -2.00	22.90 0.88 -2.37	17.22 0.60 -2.96	13.85 0.46 -3.05	15.23 0.58 -1.47
NEG MILLWOOD___DRP 24198	19.63 1.23 -0.03	18.62 1.00 -2.52	17.24 0.94 -1.53	17.23 0.94 -1.86	17.73 0.94 -2.29	20.52 0.90 -4.93	29.24 1.67 -3.04	38.84 1.91 -10.42	33.69 1.66 -9.01	26.84 1.79 -0.26	24.98 1.67 -0.07	23.85 1.68 -0.04	22.90 1.58 -0.25	22.96 1.43 -2.40	22.95 1.36 -3.22	23.44 1.51 -1.00	27.96 1.54 -4.67	36.02 1.60 -12.20	47.51 1.52 -26.30	37.63 1.92 -8.27	30.61 1.43 -9.53	26.29 0.94 -11.69	22.97 0.72 -11.89	19.80 0.88 -5.73



NEG NORTH_FLCN_SEA 23793	18.53 0.17 0.00	15.22 0.12 0.00	14.87 0.10 0.00	14.50 0.07 0.00	14.54 0.04 0.00	14.72 0.03 0.00	24.69 0.15 0.00	26.59 0.08 0.00	23.12 0.09 0.00	24.82 0.02 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.22 0.15 0.00	19.32 0.19 0.00	18.52 0.15 0.00	21.12 0.19 0.00	22.03 0.28 0.00	22.53 0.31 0.00	19.91 0.22 0.00	27.67 0.22 0.00	19.53 -0.12 0.00	13.44 -0.22 0.00	10.13 -0.22 0.00	12.82 -0.37 0.00
NEG NORTH_KES_CHATEGAY 23792	18.31 -0.06 0.00	15.06 -0.05 0.00	14.69 -0.07 0.00	14.34 -0.09 0.00	14.36 -0.13 0.00	14.56 -0.13 0.00	24.39 -0.15 0.00	26.27 -0.24 0.00	22.84 -0.18 0.00	24.52 -0.27 0.00	23.07 -0.16 0.00	21.93 -0.20 0.00	20.94 -0.13 0.00	19.07 -0.06 0.00	18.30 -0.07 0.00	20.85 -0.08 0.00	21.77 0.02 0.00	22.24 0.02 0.00	19.67 -0.02 0.00	27.34 -0.11 0.00	19.29 -0.35 0.00	13.29 -0.37 0.00	10.02 -0.33 0.00	12.67 -0.51 0.00
NEG NORTH___ALICE_FALLS 23915	18.49 0.13 0.00	15.21 0.11 0.00	14.84 0.07 0.00	14.49 0.06 0.00	14.51 0.01 0.00	14.71 0.01 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.33 0.09 0.00	22.15 0.02 0.00	21.17 0.11 0.00	19.28 0.15 0.00	18.49 0.11 0.00	21.08 0.15 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.49 -0.16 0.00	13.41 -0.25 0.00	10.11 -0.24 0.00	12.79 -0.40 0.00
NEG NORTH___LWR_SARANAC 23913	18.49 0.13 0.00	15.21 0.11 0.00	14.84 0.07 0.00	14.49 0.06 0.00	14.51 0.01 0.00	14.71 0.01 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.33 0.09 0.00	22.15 0.02 0.00	21.17 0.11 0.00	19.28 0.15 0.00	18.49 0.11 0.00	21.08 0.15 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.49 -0.16 0.00	13.41 -0.25 0.00	10.11 -0.24 0.00	12.79 -0.40 0.00
NEG NORTH___PLATTSBURG 23628	18.50 0.13 0.00	15.21 0.11 0.00	14.81 0.04 0.00	14.49 0.06 0.00	14.51 0.01 0.00	14.71 0.01 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.33 0.09 0.00	22.15 0.02 0.00	21.17 0.11 0.00	19.28 0.15 0.00	18.49 0.11 0.00	21.08 0.15 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.49 -0.16 0.00	13.41 -0.25 0.00	10.11 -0.24 0.00	12.79 -0.40 0.00
NEG WEST_LEA_LOCKPORT 23791	18.21 -0.17 -0.01	15.73 -0.08 -0.70	15.22 0.03 -0.43	15.00 0.06 -0.52	15.13 0.00 -0.64	16.11 0.04 -1.37	24.97 -0.42 -0.84	28.58 -0.82 -2.90	25.04 -0.46 -2.48	24.60 -0.25 -0.06	23.24 0.00 0.00	22.20 0.07 0.00	20.96 -0.17 -0.06	19.59 -0.19 -0.65	19.12 -0.15 -0.88	21.00 -0.21 -0.28	22.72 -0.33 -1.29	25.01 -0.51 -3.30	26.34 -0.41 -7.07	29.06 -0.55 -2.16	22.10 -0.12 -2.57	17.05 0.18 -3.21	13.84 0.19 -3.30	15.04 0.26 -1.59
NEG WEST___LANCASTR 23811	18.67 0.29 -0.01	15.47 -0.39 -0.76	14.93 -0.30 -0.46	14.71 -0.27 -0.56	14.88 -0.30 -0.69	15.88 -0.29 -1.48	24.64 -0.81 -0.91	28.58 -1.06 -3.13	24.94 -0.76 -2.68	24.63 -0.22 -0.06	23.84 0.60 0.00	22.75 0.62 0.00	20.88 -0.25 -0.06	19.37 -0.46 -0.71	18.89 -0.44 -0.96	20.69 -0.54 -0.30	22.50 -0.65 -1.40	24.99 -0.80 -3.57	26.68 -0.65 -7.64	28.91 -0.88 -2.34	21.98 -0.45 -2.78	17.04 -0.10 -3.47	13.88 -0.04 -3.57	14.89 -0.01 -1.72
NEG_PENN_ALLEGHNY 23528	18.95 0.57 -0.01	16.61 0.38 -1.13	15.85 0.40 -0.69	15.65 0.39 -0.83	15.92 0.41 -1.02	17.31 0.41 -2.20	26.59 0.69 -1.36	31.96 0.77 -4.68	27.72 0.69 -4.00	25.73 0.84 -0.09	24.14 0.91 0.00	22.99 0.86 0.00	21.86 0.69 -0.09	20.76 0.57 -1.06	20.38 0.57 -1.43	22.05 0.67 -0.45	24.52 0.68 -2.09	28.25 0.69 -5.34	31.72 0.61 -11.42	31.85 0.90 -3.50	24.51 0.71 -4.15	19.35 0.51 -5.19	16.07 0.38 -5.34	16.29 0.53 -2.57
NEG___GEN_MONROE 24207	18.50 0.13 -0.01	15.95 0.23 -0.62	15.41 0.27 -0.38	15.15 0.26 -0.46	15.32 0.26 -0.57	16.25 0.34 -1.22	25.56 0.27 -0.75	29.22 0.13 -2.58	25.55 0.32 -2.20	25.27 0.42 -0.05	23.63 0.40 0.00	22.51 0.38 0.00	21.39 0.27 -0.05	19.94 0.23 -0.58	19.42 0.26 -0.79	21.47 0.29 -0.25	23.21 0.30 -1.15	25.36 0.20 -2.94	26.22 0.24 -6.29	29.70 0.33 -1.93	22.33 0.39 -2.29	16.91 0.40 -2.86	13.63 0.34 -2.94	15.05 0.45 -1.42
NEPA___ENERGY 23901	18.72 0.35 -0.01	15.94 0.08 -0.76	15.39 0.16 -0.46	15.17 0.17 -0.56	15.33 0.14 -0.69	16.33 0.15 -1.49	25.41 -0.05 -0.92	29.40 -0.27 -3.16	25.68 -0.05 -2.70	25.18 0.32 -0.06	23.98 0.74 0.00	22.88 0.75 0.00	21.41 0.27 -0.06	19.97 0.13 -0.71	19.47 0.13 -0.96	21.36 0.13 -0.30	23.18 0.02 -1.41	25.71 -0.11 -3.60	27.35 -0.04 -7.70	29.78 -0.03 -2.36	22.61 0.16 -2.80	17.49 0.33 -3.50	14.23 0.28 -3.60	15.33 0.41 -1.74
NEVERSINK___HYD 23608	19.64 1.25 -0.02	18.25 0.97 -2.18	17.00 0.92 -1.32	16.93 0.90 -1.61	17.32 0.84 -1.98	19.73 0.78 -4.26	28.54 1.37 -2.63	37.12 1.59 -9.02	32.15 1.36 -7.77	26.42 1.41 -0.21	24.62 1.35 -0.04	23.50 1.35 -0.02	22.62 1.35 -0.20	22.39 1.21 -2.06	22.31 1.16 -2.77	23.07 1.28 -0.86	27.14 1.35 -4.04	34.11 1.42 -10.46	43.48 1.30 -22.49	36.18 1.73 -7.01	29.03 1.22 -8.16	24.56 0.82 -10.08	21.29 0.64 -10.29	18.96 0.82 -4.96
NEWKRMKL_115KV_TB1 55635	18.84 0.44 -0.03	18.51 0.35 -3.05	17.02 0.40 -1.85	17.04 0.36 -2.25	17.61 0.35 -2.77	20.99 0.34 -5.96	28.90 0.69 -3.67	39.76 0.64 -12.62	34.24 0.55 -10.67	25.63 0.64 -0.19	23.68 0.53 0.09	22.57 0.49 0.04	21.78 0.51 -0.21	22.37 0.46 -2.79	22.64 0.44 -3.82	22.66 0.52 -1.21	27.92 0.54 -5.62	36.86 0.64 -14.00	49.96 0.59 -29.68	37.13 0.85 -8.83	31.11 0.61 -10.86	27.88 0.40 -13.82	25.01 0.27 -14.39	20.48 0.36 -6.94
NEWTON___FALLS_HYD 23847	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.64 -0.21 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.69 -0.02 -0.17	27.15 0.05 -0.60	23.42 -0.12 -0.51	24.43 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.76 -0.50 -0.13	18.08 -0.48 -0.18	20.49 -0.50 -0.06	21.52 -0.50 -0.27	22.50 -0.40 -0.68	20.83 -0.32 -1.45	27.53 -0.36 -0.44	19.86 -0.31 -0.53	14.14 -0.18 -0.66	10.91 -0.12 -0.68	13.34 -0.17 -0.33
NGRID_A1_DSASP 323792	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.96 -0.24 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.10 -1.35 -2.95	24.65 -0.90 -2.52	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.56 -0.28	22.37 -0.70 -1.32	24.65 -0.93 -3.36	26.09 -0.79 -7.19	28.55 -1.10 -2.20	21.81 -0.45 -2.62	16.87 -0.05 -3.27	13.73 0.02 -3.36	14.90 0.09 -1.62
NGRID_A2_DSASP 323793	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.96 -0.24 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.10 -1.35 -2.95	24.65 -0.90 -2.52	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.56 -0.28	22.37 -0.70 -1.32	24.65 -0.93 -3.36	26.09 -0.79 -7.19	28.55 -1.10 -2.20	21.81 -0.45 -2.62	16.87 -0.05 -3.27	13.73 0.02 -3.36	14.90 0.09 -1.62



NGRID_A4_DSASP 323807	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.96 -0.24 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.10 -1.35 -2.95	24.65 -0.90 -2.52	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.56 -0.28	22.37 -0.70 -1.32	24.65 -0.93 -3.36	26.09 -0.79 -7.19	28.55 -1.10 -2.20	21.81 -0.45 -2.62	16.87 -0.05 -3.27	13.73 0.02 -3.36	14.90 0.09 -1.62
NIAGARA_115E_LBMP 323715	17.97 -0.40 -0.01	15.56 -0.26 -0.71	15.08 -0.12 -0.43	14.87 -0.09 -0.52	14.98 -0.16 -0.64	15.95 -0.13 -1.39	24.56 -0.83 -0.86	28.16 -1.30 -2.95	24.69 -0.85 -2.52	24.18 -0.67 -0.06	22.82 -0.42 0.00	21.82 -0.31 0.00	20.62 -0.51 -0.06	19.29 -0.50 -0.66	18.84 -0.44 -0.90	20.65 -0.56 -0.28	22.39 -0.67 -1.32	24.69 -0.89 -3.36	26.09 -0.79 -7.19	28.61 -1.04 -2.20	21.83 -0.43 -2.62	16.89 -0.04 -3.27	13.75 0.03 -3.36	14.87 0.07 -1.62
NIAGARA_115W_LBMP 323714	17.75 -0.62 -0.01	15.39 -0.42 -0.71	14.93 -0.27 -0.43	14.68 -0.27 -0.52	14.82 -0.32 -0.65	15.79 -0.29 -1.39	24.46 -0.93 -0.86	28.05 -1.41 -2.95	24.58 -0.97 -2.52	24.06 -0.79 -0.06	22.70 -0.53 0.00	21.69 -0.44 0.00	20.54 -0.59 -0.06	19.24 -0.56 -0.66	18.78 -0.50 -0.90	20.59 -0.63 -0.28	22.31 -0.76 -1.32	24.60 -0.98 -3.36	26.05 -0.83 -7.19	28.47 -1.18 -2.20	21.75 -0.51 -2.61	16.84 -0.08 -3.27	13.71 0.00 -3.36	14.87 0.07 -1.62
NIAGARA_230_LBMP 323716	18.02 -0.35 -0.01	15.59 -0.23 -0.71	15.12 -0.07 -0.43	14.88 -0.07 -0.52	15.01 -0.13 -0.64	15.97 -0.10 -1.38	24.78 -0.61 -0.86	28.38 -1.06 -2.94	24.89 -0.64 -2.51	24.38 -0.47 -0.06	23.00 -0.23 0.00	22.00 -0.13 0.00	20.81 -0.32 -0.06	19.48 -0.31 -0.66	19.00 -0.28 -0.90	20.86 -0.36 -0.28	22.59 -0.48 -1.31	24.88 -0.69 -3.35	26.29 -0.57 -7.17	28.85 -0.80 -2.20	22.00 -0.26 -2.61	17.00 0.08 -3.26	13.83 0.12 -3.35	14.99 0.18 -1.62
NIAGARA__115KV_198_GIBSON 55903	17.75 -0.62 -0.01	15.39 -0.42 -0.71	14.90 -0.30 -0.43	14.68 -0.27 -0.52	14.82 -0.32 -0.65	15.79 -0.29 -1.39	24.46 -0.93 -0.86	28.04 -1.40 -2.94	24.57 -0.97 -2.51	24.06 -0.79 -0.06	22.70 -0.53 0.00	21.69 -0.44 0.00	20.54 -0.59 -0.06	19.23 -0.55 -0.66	18.78 -0.50 -0.90	20.59 -0.63 -0.28	22.30 -0.76 -1.31	24.59 -0.98 -3.35	26.03 -0.83 -7.17	28.49 -1.15 -2.20	21.74 -0.51 -2.61	16.83 -0.08 -3.26	13.70 0.00 -3.35	14.87 0.07 -1.62
NIAGARA____ 23760	18.02 -0.35 -0.01	15.59 -0.23 -0.71	15.12 -0.07 -0.43	14.88 -0.07 -0.52	15.01 -0.13 -0.65	15.98 -0.10 -1.39	24.78 -0.61 -0.86	28.39 -1.06 -2.94	24.90 -0.64 -2.52	24.38 -0.47 -0.06	23.00 -0.23 0.00	22.00 -0.13 0.00	20.81 -0.32 -0.06	19.48 -0.31 -0.66	19.00 -0.28 -0.90	20.86 -0.36 -0.28	22.59 -0.48 -1.32	24.89 -0.69 -3.36	26.30 -0.57 -7.18	28.85 -0.80 -2.20	22.00 -0.26 -2.61	17.01 0.08 -3.27	13.84 0.12 -3.36	14.99 0.18 -1.62
NINE_MILE_1 23575	18.00 -0.37 0.00	15.19 -0.30 -0.39	14.72 -0.28 -0.24	14.44 -0.27 -0.29	14.59 -0.26 -0.35	15.20 -0.25 -0.76	24.49 -0.52 -0.46	27.51 -0.58 -1.59	23.90 -0.48 -1.36	24.30 -0.52 -0.03	22.75 -0.49 0.00	21.67 -0.47 0.00	20.66 -0.44 -0.03	19.08 -0.40 -0.36	18.48 -0.39 -0.49	20.64 -0.44 -0.15	22.00 -0.46 -0.71	23.56 -0.47 -1.81	23.16 -0.41 -3.88	28.09 -0.55 -1.19	20.71 -0.35 -1.41	15.23 -0.19 -1.76	12.02 -0.14 -1.81	13.88 -0.18 -0.87
NINE_MILE_2 23744	18.00 -0.37 0.00	15.19 -0.30 -0.39	14.72 -0.28 -0.23	14.44 -0.27 -0.28	14.58 -0.26 -0.35	15.20 -0.25 -0.76	24.48 -0.52 -0.46	27.51 -0.58 -1.58	23.87 -0.51 -1.35	24.30 -0.52 -0.03	22.75 -0.49 0.00	21.67 -0.47 0.00	20.66 -0.44 -0.03	19.08 -0.40 -0.36	18.47 -0.39 -0.48	20.64 -0.44 -0.15	22.00 -0.46 -0.71	23.56 -0.47 -1.81	23.14 -0.41 -3.86	28.08 -0.55 -1.18	20.70 -0.35 -1.41	15.22 -0.19 -1.76	12.01 -0.14 -1.81	13.87 -0.18 -0.87
NM_CAPITAL____DRP 24208	18.90 0.50 -0.03	18.56 0.41 -3.05	17.04 0.43 -1.85	17.08 0.40 -2.24	17.65 0.39 -2.76	21.04 0.40 -5.95	28.96 0.76 -3.66	39.83 0.74 -12.58	34.30 0.64 -10.63	25.69 0.72 -0.18	23.76 0.63 0.10	22.68 0.60 0.05	21.84 0.57 -0.20	22.42 0.52 -2.77	22.70 0.51 -3.80	22.75 0.61 -1.21	27.99 0.63 -5.61	36.86 0.71 -13.93	49.84 0.65 -29.50	37.10 0.91 -8.75	31.13 0.69 -10.80	27.87 0.44 -13.77	25.02 0.31 -14.36	20.50 0.40 -6.92
NM_CENTRAL____DRP 24181	18.43 0.06 -0.01	15.68 0.05 -0.53	15.13 0.04 -0.32	14.88 0.06 -0.39	15.05 0.07 -0.48	15.83 0.10 -1.03	25.35 0.17 -0.64	28.93 0.24 -2.18	25.10 0.21 -1.87	25.09 0.25 -0.04	23.49 0.26 0.00	22.38 0.24 0.00	21.30 0.19 -0.04	19.79 0.17 -0.49	19.21 0.17 -0.67	21.37 0.23 -0.21	22.94 0.22 -0.98	24.93 0.22 -2.49	25.21 0.20 -5.33	29.41 0.33 -1.63	21.86 0.28 -1.94	16.30 0.22 -2.42	13.01 0.17 -2.49	14.61 0.22 -1.20
NM_FRONTIER____DRP 24179	17.75 -0.62 -0.01	15.39 -0.42 -0.71	14.90 -0.30 -0.43	14.68 -0.27 -0.52	14.82 -0.32 -0.65	15.79 -0.29 -1.39	24.46 -0.93 -0.86	28.04 -1.40 -2.94	24.57 -0.97 -2.51	24.06 -0.79 -0.06	22.70 -0.53 0.00	21.69 -0.44 0.00	20.54 -0.59 -0.06	19.23 -0.55 -0.66	18.78 -0.50 -0.90	20.59 -0.63 -0.28	22.30 -0.76 -1.31	24.59 -0.98 -3.35	26.03 -0.83 -7.17	28.49 -1.15 -2.20	21.74 -0.51 -2.61	16.83 -0.08 -3.26	13.70 0.00 -3.35	14.87 0.07 -1.62
NM_ST_REGIS____HYD 24053	18.09 -0.28 0.00	14.96 -0.21 -0.07	14.59 -0.22 -0.04	14.25 -0.23 -0.05	14.31 -0.25 -0.07	14.59 -0.25 -0.14	24.31 -0.32 -0.09	26.48 -0.32 -0.30	22.93 -0.35 -0.25	24.18 -0.62 -0.01	22.54 -0.70 0.00	21.38 -0.75 0.00	20.36 -0.72 -0.01	18.58 -0.61 -0.07	17.86 -0.61 -0.09	20.27 -0.69 -0.03	21.19 -0.70 -0.13	21.91 -0.64 -0.34	19.84 -0.57 -0.72	26.87 -0.80 -0.22	19.24 -0.67 -0.26	13.55 -0.44 -0.33	10.38 -0.31 -0.34	12.91 -0.44 -0.16
NORTHPORT____1 23551	22.39 1.63 -2.39	20.14 1.36 -3.68	18.83 1.31 -2.75	18.39 1.27 -2.68	18.92 1.29 -3.14	23.28 1.31 -7.27	33.32 2.13 -6.64	38.92 2.04 -10.38	34.01 2.03 -8.96	29.38 2.50 -2.09	27.91 2.30 -2.38	27.02 2.26 -2.63	25.60 2.15 -2.38	27.10 1.97 -6.01	27.20 1.93 -6.89	28.84 2.11 -5.79	29.86 2.04 -6.06	35.70 1.69 -11.79	47.24 1.52 -26.03	36.88 2.06 -7.38	30.26 1.67 -8.94	29.47 1.15 -14.66	28.99 0.95 -17.69	22.19 1.24 -7.77
NORTHPORT____2 23552	22.39 1.63 -2.39	20.14 1.36 -3.68	18.83 1.31 -2.75	18.39 1.27 -2.68	18.92 1.29 -3.14	23.28 1.31 -7.27	33.32 2.13 -6.64	38.92 2.04 -10.38	34.01 2.03 -8.96	29.38 2.50 -2.09	27.91 2.30 -2.38	27.02 2.26 -2.63	25.60 2.15 -2.38	27.10 1.97 -6.01	27.20 1.93 -6.89	28.84 2.11 -5.79	29.86 2.04 -6.06	35.70 1.69 -11.79	47.24 1.52 -26.03	36.88 2.06 -7.38	30.26 1.67 -8.94	29.47 1.15 -14.66	28.99 0.95 -17.69	22.19 1.24 -7.77
NORTHPORT____3 23553	22.40 1.65 -2.39	20.13 1.34 -3.68	18.82 1.30 -2.75	18.39 1.27 -2.68	18.91 1.28 -3.14	23.26 1.29 -7.27	33.63 2.45 -6.64	39.29 2.41 -10.37	34.16 2.19 -8.95	29.34 2.46 -2.10	27.90 2.28 -2.39	27.07 2.30 -2.64	25.66 2.21 -2.38	27.07 1.93 -6.01	27.04 1.76 -6.90	28.70 1.97 -5.80	29.78 1.96 -6.07	35.67 1.67 -11.79	47.26 1.54 -26.04	36.93 2.11 -7.37	30.27 1.67 -8.95	29.49 1.16 -14.67	29.03 0.98 -17.70	22.25 1.31 -7.76



NORTHPORT___4 23650	22.40 1.65 -2.39	20.13 1.34 -3.68	18.82 1.30 -2.75	18.39 1.27 -2.68	18.91 1.28 -3.14	23.26 1.29 -7.27	33.63 2.45 -6.64	39.29 2.41 -10.37	34.16 2.19 -8.95	29.34 2.46 -2.10	27.90 2.28 -2.39	27.07 2.30 -2.64	25.66 2.21 -2.38	27.07 1.93 -6.01	27.04 1.76 -6.90	28.70 1.97 -5.80	29.78 1.96 -6.07	35.67 1.67 -11.79	47.26 1.54 -26.04	36.93 2.11 -7.37	30.27 1.67 -8.95	29.49 1.16 -14.67	29.03 0.98 -17.70	22.25 1.31 -7.76
NORTHPORT___IC 23718	22.39 1.63 -2.39	20.14 1.36 -3.68	18.83 1.31 -2.75	18.39 1.27 -2.68	18.92 1.29 -3.14	23.28 1.31 -7.27	33.32 2.13 -6.64	38.92 2.04 -10.38	34.01 2.03 -8.96	29.38 2.50 -2.09	27.91 2.30 -2.38	27.02 2.26 -2.63	25.60 2.15 -2.38	27.10 1.97 -6.01	27.20 1.93 -6.89	28.84 2.11 -5.79	29.86 2.04 -6.06	35.70 1.69 -11.79	47.24 1.52 -26.03	36.88 2.06 -7.38	30.26 1.67 -8.94	29.47 1.15 -14.66	28.99 0.95 -17.69	22.19 1.24 -7.77
NORTH___COUNTRY_ESR 323785	18.26 -0.11 0.00	15.01 -0.09 0.00	14.63 -0.13 0.00	14.30 -0.13 0.00	14.32 -0.17 0.00	14.52 -0.18 0.00	24.32 -0.22 0.00	26.22 -0.29 0.00	22.77 -0.25 0.00	24.47 -0.32 0.00	23.00 -0.23 0.00	21.89 -0.24 0.00	20.90 -0.17 0.00	19.01 -0.11 0.00	18.25 -0.13 0.00	20.81 -0.12 0.00	21.71 -0.04 0.00	22.17 -0.04 0.00	19.59 -0.10 0.00	27.25 -0.19 0.00	19.25 -0.39 0.00	13.25 -0.41 0.00	10.00 -0.35 0.00	12.63 -0.55 0.00
NPX_GEN_1385_PROXY 323591	22.15 1.40 -2.39	20.01 1.22 -3.68	18.70 1.18 -2.75	18.25 1.14 -2.68	18.79 1.16 -3.14	23.22 1.25 -7.27	33.00 1.82 -6.64	38.42 1.54 -10.38	33.57 1.59 -8.96	28.59 1.71 -2.09	26.90 1.39 -2.27	26.20 1.44 -2.63	24.90 1.45 -2.38	25.23 1.23 -4.88	24.97 1.23 -5.36	27.34 1.32 -5.09	29.34 1.52 -6.06	35.23 1.22 -11.79	43.50 0.79 -23.02	36.00 1.18 -7.38	29.75 1.16 -8.94	28.32 0.63 -14.03	26.40 0.56 -15.49	21.80 0.84 -7.77
NPX_GEN_CSC 323557	22.94 2.18 -2.39	20.57 1.78 -3.68	19.26 1.74 -2.75	18.82 1.70 -2.68	19.34 1.71 -3.14	23.69 1.72 -7.27	37.89 3.04 -10.31	41.94 3.13 -12.31	39.79 2.88 -13.88	37.87 3.32 -9.75	28.76 3.07 -2.46	27.83 2.99 -2.71	26.28 2.82 -2.39	27.78 2.56 -6.09	31.83 2.48 -10.97	34.14 2.78 -10.42	38.56 2.81 -14.00	73.89 2.53 -49.14	79.84 2.30 -57.85	120.80 3.13 -90.23	83.29 2.42 -61.23	67.54 1.65 -52.23	36.33 1.33 -24.66	33.97 1.70 -19.08
NSINS_S_GLNS_FALLS 23858	19.34 0.94 -0.04	18.96 0.74 -3.12	17.38 0.72 -1.89	17.46 0.74 -2.30	18.14 0.81 -2.83	21.65 0.87 -6.09	30.04 1.74 -3.75	41.52 2.12 -12.89	35.73 1.80 -10.91	26.93 1.93 -0.20	24.85 1.70 0.09	23.66 1.57 0.04	22.53 1.24 -0.22	23.15 1.17 -2.85	23.42 1.14 -3.90	23.49 1.32 -1.23	28.74 1.24 -5.75	37.99 1.42 -14.35	51.51 1.36 -30.46	38.51 1.98 -9.09	32.16 1.38 -11.13	28.67 0.87 -14.14	25.66 0.60 -14.71	21.01 0.74 -7.09
NUCOR_STEEL___DRP 24197	18.78 0.40 -0.01	16.06 0.32 -0.63	15.47 0.32 -0.39	15.22 0.32 -0.47	15.42 0.35 -0.58	16.32 0.38 -1.24	25.97 0.66 -0.76	29.92 0.80 -2.62	25.96 0.69 -2.24	25.61 0.77 -0.05	23.96 0.72 0.00	22.80 0.66 0.00	21.71 0.59 -0.05	20.21 0.50 -0.59	19.69 0.51 -0.80	21.81 0.63 -0.25	23.58 0.65 -1.17	25.90 0.69 -2.99	26.73 0.65 -6.39	30.39 0.99 -1.96	22.72 0.75 -2.33	17.08 0.52 -2.91	13.73 0.39 -2.99	15.13 0.50 -1.44
NUMBER_THREE_WT_PWR 323818	18.42 0.06 0.00	15.33 0.03 -0.19	14.88 0.00 -0.12	14.57 0.00 -0.14	14.71 0.04 -0.17	15.14 0.07 -0.37	25.25 0.47 -0.25	27.96 0.61 -0.85	24.05 0.30 -0.72	24.94 0.12 -0.02	23.31 0.07 0.00	22.09 -0.04 0.00	21.00 -0.08 -0.02	19.22 -0.10 -0.19	18.56 -0.07 -0.26	20.97 -0.04 -0.08	22.15 0.02 -0.38	23.36 0.18 -0.97	21.97 0.22 -2.06	28.49 0.41 -0.63	20.63 0.24 -0.75	14.76 0.16 -0.94	11.42 0.10 -0.97	13.78 0.13 -0.47
NYISO_LBMP_REFERENCE 24008	18.37 0.00 0.00	15.10 0.00 0.00	14.76 0.00 0.00	14.43 0.00 0.00	14.49 0.00 0.00	14.70 0.00 0.00	24.54 0.00 0.00	26.51 0.00 0.00	23.03 0.00 0.00	24.79 0.00 0.00	23.24 0.00 0.00	22.13 0.00 0.00	21.07 0.00 0.00	19.13 0.00 0.00	18.38 0.00 0.00	20.93 0.00 0.00	21.75 0.00 0.00	22.22 0.00 0.00	19.69 0.00 0.00	27.45 0.00 0.00	19.65 0.00 0.00	13.66 0.00 0.00	10.35 0.00 0.00	13.19 0.00 0.00
NYPA_BRENTWD___GT 24164	22.66 1.91 -2.39	20.34 1.56 -3.68	19.04 1.52 -2.75	18.59 1.47 -2.68	19.12 1.49 -3.14	23.47 1.50 -7.27	34.67 2.60 -7.53	40.00 2.65 -10.84	35.66 2.49 -10.15	31.64 2.90 -3.95	28.33 2.69 -2.40	27.40 2.61 -2.65	25.93 2.48 -2.38	27.41 2.26 -6.03	28.45 2.19 -7.88	30.28 2.43 -6.92	32.18 2.44 -7.99	45.06 2.00 -20.84	55.24 1.81 -33.74	57.36 2.47 -27.45	43.19 1.93 -21.62	38.84 1.41 -23.77	30.88 1.15 -19.38	25.17 1.48 -10.51
NYPA_GOWANUS___GT5 24156	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NYPA_GOWANUS___GT6 24157	19.57 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.48 0.85 -4.94	29.20 1.57 -3.09	38.78 1.88 -10.40	33.69 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.21 1.61 -2.47	23.21 1.54 -3.29	23.61 1.59 -1.09	28.07 1.63 -4.69	36.03 1.58 -12.23	47.55 1.46 -26.40	37.63 1.84 -8.34	30.57 1.37 -9.55	26.20 0.85 -11.69	23.06 0.74 -11.98	19.84 0.90 -5.76
NYPA_HARLEM__RVR_GT1 24160	19.39 0.99 -0.03	18.49 0.86 -2.52	17.09 0.80 -1.53	17.04 0.75 -1.86	17.57 0.78 -2.29	20.37 0.76 -4.91	29.15 1.47 -3.14	38.68 1.78 -10.40	33.47 1.45 -9.00	26.75 1.69 -0.27	25.00 1.67 -0.09	23.91 1.73 -0.05	23.05 1.73 -0.26	23.05 1.51 -2.41	23.05 1.45 -3.22	23.43 1.49 -1.01	27.89 1.48 -4.66	35.80 1.36 -12.22	47.35 1.26 -26.40	37.34 1.56 -8.33	30.35 1.16 -9.55	26.10 0.75 -11.69	22.91 0.67 -11.89	19.78 0.82 -5.78
NYPA_HARLEM__RVR_GT2 24161	19.39 0.99 -0.03	18.49 0.86 -2.52	17.09 0.80 -1.53	17.04 0.75 -1.86	17.57 0.78 -2.29	20.37 0.76 -4.91	29.15 1.47 -3.14	38.68 1.78 -10.40	33.47 1.45 -9.00	26.75 1.69 -0.27	25.00 1.67 -0.09	23.91 1.73 -0.05	23.05 1.73 -0.26	23.05 1.51 -2.41	23.05 1.45 -3.22	23.43 1.49 -1.01	27.89 1.48 -4.66	35.80 1.36 -12.22	47.35 1.26 -26.40	37.34 1.56 -8.33	30.35 1.16 -9.55	26.10 0.75 -11.69	22.91 0.67 -11.89	19.78 0.82 -5.78
NYPA_KENT___GT 24152	19.53 1.12 -0.04	18.57 0.94 -2.53	17.18 0.87 -1.54	17.13 0.84 -1.86	17.66 0.87 -2.30	20.45 0.82 -4.94	29.15 1.52 -3.09	38.76 1.85 -10.40	33.66 1.63 -9.00	26.89 1.79 -0.31	25.14 1.77 -0.13	24.04 1.82 -0.09	23.15 1.79 -0.30	23.18 1.59 -2.47	23.19 1.52 -3.29	23.60 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.51 1.42 -26.40	37.57 1.78 -8.34	30.53 1.34 -9.55	26.17 0.82 -11.69	23.03 0.70 -11.98	19.81 0.87 -5.76



NYPA_POUCH1____GT 24155	19.60	18.62	17.21	17.18	17.71	20.50	29.23	38.81	33.71	26.94	25.18	24.09	23.22	23.24	23.22	23.64	28.09	36.07	47.59	37.65	30.59	26.21	23.07	19.85
	1.19	0.98	0.90	0.88	0.91	0.87	1.59	1.91	1.68	1.83	1.81	1.86	1.85	1.65	1.56	1.61	1.65	1.62	1.50	1.87	1.40	0.86	0.75	0.91
	-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.09	-10.40	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.29	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.69	-11.98	-5.76
NYPA_VERNON____GT2 24162	19.49	18.54	17.15	17.12	17.63	20.44	29.10	38.73	33.64	26.86	25.11	24.00	23.13	23.15	23.15	23.55	27.98	35.96	47.47	37.52	30.49	26.14	23.01	19.79
	1.08	0.91	0.84	0.82	0.84	0.81	1.47	1.83	1.61	1.76	1.74	1.77	1.77	1.55	1.49	1.53	1.54	1.51	1.38	1.73	1.30	0.79	0.68	0.84
	-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.09	-10.40	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.29	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.69	-11.98	-5.76
NYPA_VERNON____GT3 24163	19.49	18.54	17.15	17.12	17.63	20.44	29.10	38.73	33.64	26.86	25.11	24.00	23.13	23.15	23.15	23.55	27.98	35.96	47.47	37.52	30.49	26.14	23.01	19.79
	1.08	0.91	0.84	0.82	0.84	0.81	1.47	1.83	1.61	1.76	1.74	1.77	1.77	1.55	1.49	1.53	1.54	1.51	1.38	1.73	1.30	0.79	0.68	0.84
	-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.09	-10.40	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.29	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.69	-11.98	-5.76
NYPA____ASTORIA_CC1 323568	19.47	18.52	17.13	17.09	17.62	20.41	29.05	38.71	33.60	26.81	25.07	23.97	23.09	23.13	23.13	23.53	27.96	35.92	47.45	37.49	30.45	26.11	23.00	19.76
	1.06	0.89	0.83	0.79	0.83	0.78	1.42	1.80	1.57	1.71	1.70	1.75	1.73	1.53	1.47	1.51	1.52	1.47	1.36	1.70	1.26	0.76	0.67	0.82
	-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.09	-10.40	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.29	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.69	-11.98	-5.76
NYPA____ASTORIA_CC2 323569	19.47	18.52	17.13	17.09	17.62	20.41	29.05	38.71	33.60	26.81	25.07	23.97	23.09	23.13	23.13	23.53	27.96	35.92	47.45	37.49	30.45	26.11	23.00	19.76
	1.06	0.89	0.83	0.79	0.83	0.78	1.42	1.80	1.57	1.71	1.70	1.75	1.73	1.53	1.47	1.51	1.52	1.47	1.36	1.70	1.26	0.76	0.67	0.82
	-0.04	-2.53	-1.54	-1.86	-2.30	-4.94	-3.09	-10.40	-9.00	-0.31	-0.13	-0.09	-0.30	-2.47	-3.29	-1.09	-4.69	-12.23	-26.40	-8.34	-9.55	-11.69	-11.98	-5.76
NYPA____HOLTSVILL 23794	22.70	20.38	19.07	18.63	19.15	23.50	37.58	41.57	39.51	37.60	28.46	27.52	26.00	27.53	31.63	33.89	38.29	73.91	79.83	121.19	83.47	67.70	36.25	33.89
	1.95	1.60	1.55	1.51	1.52	1.53	2.70	2.73	2.56	2.97	2.76	2.68	2.55	2.31	2.24	2.49	2.46	2.18	1.97	2.69	2.08	1.43	1.17	1.52
	-2.39	-3.68	-2.75	-2.68	-3.14	-7.27	-10.34	-12.33	-13.93	-9.83	-2.46	-2.71	-2.39	-6.09	-11.01	-10.47	-14.08	-49.51	-58.17	-91.05	-61.75	-52.61	-24.73	-19.19
NYPA____HELLGATE_GT1 24158	19.39	18.49	17.09	17.04	17.57	20.37	29.06	38.68	33.47	26.75	25.00	23.91	23.05	23.05	23.05	23.43	27.89	35.77	47.33	37.31	30.33	26.10	23.07	19.73
	0.99	0.86	0.80	0.75	0.78	0.76	1.47	1.78	1.45	1.69	1.67	1.73	1.73	1.51	1.45	1.49	1.48	1.33	1.24	1.54	1.14	0.75	0.67	0.82
	-0.03	-2.52	-1.53	-1.86	-2.29	-4.91	-3.04	-10.40	-9.00	-0.27	-0.09	-0.05	-0.26	-2.41	-3.22	-1.01	-4.66	-12.22	-26.40	-8.33	-9.55	-11.69	-12.05	-5.72
NYPA____HELLGATE_GT2 24159	19.39	18.49	17.09	17.04	17.57	20.37	29.06	38.68	33.47	26.75	25.00	23.91	23.05	23.05	23.05	23.43	27.89	35.77	47.33	37.31	30.33	26.10	23.07	19.73
	0.99	0.86	0.80	0.75	0.78	0.76	1.47	1.78	1.45	1.69	1.67	1.73	1.73	1.51	1.45	1.49	1.48	1.33	1.24	1.54	1.14	0.75	0.67	0.82
	-0.03	-2.52	-1.53	-1.86	-2.29	-4.91	-3.04	-10.40	-9.00	-0.27	-0.09	-0.05	-0.26	-2.41	-3.22	-1.01	-4.66	-12.22	-26.40	-8.33	-9.55	-11.69	-12.05	-5.72
NYS_BARGE____HYD 23848	18.21	15.73	15.25	15.02	15.14	16.12	24.94	28.58	25.04	24.60	23.24	22.20	20.94	19.59	19.10	20.98	22.72	25.01	26.33	29.03	22.10	17.04	13.83	15.03
	-0.17	-0.08	0.06	0.07	0.01	0.06	-0.44	-0.82	-0.46	-0.25	0.00	0.07	-0.19	-0.19	-0.17	-0.23	-0.33	-0.51	-0.41	-0.58	-0.12	0.18	0.18	0.25
	-0.01	-0.70	-0.42	-0.51	-0.63	-1.36	-0.84	-2.89	-2.47	-0.06	0.00	0.00	-0.06	-0.65	-0.88	-0.28	-1.29	-3.30	-7.06	-2.16	-2.57	-3.21	-3.30	-1.59
OAK ORCHARD____HYD 24046	18.41	15.86	15.33	15.06	15.24	16.16	25.54	29.25	25.55	25.27	23.61	22.51	21.41	19.96	19.44	21.51	23.25	25.43	26.26	29.76	22.33	16.90	13.58	15.00
	0.04	0.14	0.19	0.17	0.19	0.25	0.25	0.16	0.32	0.42	0.37	0.38	0.29	0.25	0.28	0.33	0.35	0.27	0.28	0.38	0.39	0.38	0.29	0.40
	-0.01	-0.62	-0.38	-0.46	-0.56	-1.21	-0.75	-2.58	-2.21	-0.05	0.00	0.00	-0.05	-0.58	-0.79	-0.25	-1.15	-2.94	-6.29	-1.93	-2.29	-2.86	-2.94	-1.42
OAKDALE__35_KV_LOAD 356122	18.87	16.56	15.79	15.61	15.86	17.25	26.46	31.80	27.58	25.61	24.03	22.88	21.75	20.67	20.28	21.94	24.40	28.08	31.56	31.69	24.39	19.26	16.00	16.21
	0.50	0.33	0.34	0.35	0.35	0.35	0.56	0.64	0.58	0.72	0.79	0.75	0.59	0.50	0.48	0.57	0.57	0.56	0.51	0.77	0.61	0.44	0.34	0.46
	-0.01	-1.13	-0.68	-0.83	-1.02	-2.20	-1.36	-4.65	-3.98	-0.09	0.00	0.00	-0.09	-1.05	-1.42	-0.45	-2.08	-5.31	-11.35	-3.48	-4.13	-5.16	-5.31	-2.56
OCC_CHEM____DRP 24175	17.80	15.44	14.94	14.72	14.85	15.82	24.54	28.09	24.64	24.13	22.75	21.76	20.58	19.29	18.82	20.65	22.37	24.64	26.07	28.54	21.80	16.86	13.74	14.89
	-0.57	-0.38	-0.25	-0.23	-0.29	-0.26	-0.86	-1.35	-0.90	-0.72	-0.49	-0.38	-0.55	-0.50	-0.46	-0.57	-0.70	-0.93	-0.79	-1.10	-0.45	-0.05	0.03	0.09
	-0.01	-0.71	-0.43	-0.52	-0.65	-1.39	-0.86	-2.94	-2.51	-0.06	0.00	0.00	-0.06	-0.66	-0.90	-0.28	-1.31	-3.35	-7.17	-2.20	-2.61	-3.26	-3.35	-1.62
OH_GEN_PROXY 24063	18.04	15.60	15.12	14.88	15.02	15.98	24.81	28.44	24.94	24.45	23.05	22.04	20.85	19.52	19.04	20.90	22.63	24.95	26.35	28.90	22.04	17.01	13.84	15.00
	-0.33	-0.21	-0.07	-0.07	-0.12	-0.10	-0.59	-1.01	-0.60	-0.40	-0.19	-0.09	-0.27	-0.27	-0.24	-0.31	-0.43	-0.62	-0.51	-0.74	-0.22	0.10	0.13	0.20
	-0.01	-0.71	-0.43	-0.52	-0.64	-1.38	-0.86	-2.94	-2.51	-0.06	0.00	0.00	-0.06	-0.66	-0.90	-0.28	-1.31	-3.35	-7.17	-2.20	-2.61	-3.26	-3.35	-1.62
OLIN_CORP_DRP 24177	17.99	15.59	15.09	14.88	15.00	15.97	24.61	28.23	24.74	24.23	22.86	21.84	20.66	19.35	18.87	20.71	22.44	24.73	26.15	28.69	21.87	16.91	13.77	14.90
	-0.39	-0.23	-0.10	-0.07	-0.14	-0.12	-0.79	-1.22	-0.81	-0.62	-0.37	-0.29	-0.46	-0.44	-0.40	-0.50	-0.63	-0.84	-0.73	-0.96	-0.39	-0.01	0.06	0.09
	-0.01	-0.71	-0.43	-0.52	-0.65	-1.39	-0.86	-2.94	-2.52	-0.06	0.00	0.00	-0.06	-0.66	-0.90	-0.28	-1.32	-3.36	-7.18	-2.20	-2.61	-3.27	-3.36	-1.62
OLIN_CORP_DSASP 323712	17.80	15.44	14.96	14.72	14.85	15.82	24.54	28.10	24.65	24.13	22.75	21.76	20.58	19.29	18.82	20.65	22.37	24.65	26.09	28.55	21.81	16.87	13.73	14.90
	-0.57	-0.38	-0.24	-0.23	-0.29	-0.26	-0.86	-1.35	-0.90	-0.72	-0.49	-0.38	-0.55	-0.50	-0.46	-0.56	-0.70	-0.93	-0.79	-1.10	-0.45	-0.05	0.02	0.09
	-0.01	-0.71	-0.43	-0.52	-0.65	-1.39	-0.86	-2.95	-2.52	-0.06	0.00	0.00	-0.06	-0.66	-0.90	-0.28	-1.32	-3.36	-7.19	-2.20	-2.62	-3.27	-3.36	-1.62



ONEIDA_HERK_LFGE 323681	18.62 0.26 0.00	15.46 0.20 -0.16	15.04 0.18 -0.10	14.72 0.17 -0.12	14.86 0.22 -0.14	15.24 0.23 -0.31	25.28 0.54 -0.20	27.88 0.69 -0.69	24.03 0.41 -0.59	25.13 0.32 -0.01	23.54 0.30 0.00	22.33 0.20 0.00	21.25 0.17 -0.01	19.42 0.13 -0.16	18.72 0.13 -0.21	21.21 0.21 -0.07	22.30 0.24 -0.31	23.36 0.35 -0.78	21.72 0.35 -1.68	28.54 0.58 -0.51	20.63 0.37 -0.61	14.67 0.25 -0.76	11.30 0.17 -0.78	13.79 0.22 -0.38
ONEIDA___115KV_TB4 55905	18.88 0.51 0.00	15.78 0.41 -0.27	15.31 0.38 -0.16	15.00 0.38 -0.19	15.15 0.42 -0.24	15.65 0.44 -0.52	25.69 0.83 -0.32	28.61 1.01 -1.09	24.67 0.71 -0.94	25.48 0.67 -0.02	23.89 0.65 0.00	22.69 0.55 0.00	21.57 0.48 -0.02	19.79 0.42 -0.25	19.12 0.40 -0.33	21.56 0.52 -0.10	22.81 0.57 -0.49	24.16 0.69 -1.25	23.01 0.65 -2.67	29.25 0.99 -0.82	21.31 0.69 -0.97	15.32 0.45 -1.21	11.92 0.32 -1.25	14.21 0.42 -0.60
ONONDAGA_REF_OCCRA 23987	18.54 0.17 -0.01	15.81 0.12 -0.59	15.24 0.12 -0.36	14.99 0.13 -0.43	15.17 0.14 -0.53	16.00 0.16 -1.14	25.56 0.32 -0.70	29.32 0.40 -2.42	25.44 0.35 -2.07	25.24 0.40 -0.05	23.63 0.40 0.00	22.51 0.38 0.00	21.43 0.32 -0.05	19.94 0.27 -0.55	19.39 0.28 -0.74	21.50 0.33 -0.23	23.18 0.35 -1.08	25.33 0.36 -2.76	25.91 0.32 -5.90	29.78 0.52 -1.81	22.21 0.41 -2.15	16.63 0.29 -2.68	13.33 0.22 -2.76	14.81 0.29 -1.33
ONONDAGA___COGEN 23986	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
ONTARIO___LFGE 23819	18.80 0.42 -0.01	16.09 0.30 -0.68	15.52 0.34 -0.41	15.27 0.33 -0.50	15.48 0.36 -0.62	16.44 0.41 -1.33	26.01 0.64 -0.83	30.15 0.79 -2.85	26.18 0.71 -2.44	25.69 0.84 -0.06	24.10 0.86 0.00	22.93 0.80 0.00	21.74 0.61 -0.06	20.29 0.52 -0.64	19.74 0.50 -0.87	21.83 0.63 -0.27	23.70 0.68 -1.27	26.16 0.69 -3.25	27.31 0.67 -6.95	30.54 0.96 -2.13	22.92 0.75 -2.53	17.33 0.51 -3.16	13.99 0.38 -3.25	15.27 0.51 -1.57
ORANGEVILLE_WT_PWR 323706	18.52 0.15 -0.01	15.89 0.00 -0.79	15.35 0.10 -0.48	15.11 0.10 -0.58	15.28 0.07 -0.71	16.34 0.10 -1.54	25.37 -0.12 -0.95	29.46 -0.32 -3.27	25.71 -0.11 -2.80	25.03 0.17 -0.07	23.72 0.49 0.00	22.64 0.51 0.00	21.26 0.13 -0.07	19.90 0.04 -0.74	19.39 0.02 -1.00	21.27 0.02 -0.31	23.17 -0.04 -1.46	25.80 -0.15 -3.73	27.57 -0.10 -7.98	29.75 -0.14 -2.44	22.67 0.12 -2.90	17.54 0.26 -3.63	14.30 0.22 -3.73	15.30 0.32 -1.80
ORANGEVILLE___ESR 323794	18.52 0.15 -0.01	15.89 0.00 -0.79	15.35 0.10 -0.48	15.11 0.10 -0.58	15.28 0.07 -0.71	16.34 0.10 -1.54	25.37 -0.12 -0.95	29.46 -0.32 -3.27	25.71 -0.11 -2.80	25.03 0.17 -0.07	23.72 0.49 0.00	22.64 0.51 0.00	21.26 0.13 -0.07	19.90 0.04 -0.74	19.39 0.02 -1.00	21.27 0.02 -0.31	23.17 -0.04 -1.46	25.80 -0.15 -3.73	27.57 -0.10 -7.98	29.75 -0.14 -2.44	22.67 0.12 -2.90	17.54 0.26 -3.63	14.30 0.22 -3.73	15.30 0.32 -1.80
OSWEGATCHIE___HYD 24044	18.13 -0.24 0.00	15.05 -0.20 -0.14	14.63 -0.22 -0.09	14.32 -0.22 -0.11	14.44 -0.19 -0.13	14.80 -0.18 -0.28	24.70 -0.02 -0.19	27.20 0.05 -0.64	23.46 -0.11 -0.55	24.44 -0.37 -0.01	22.77 -0.46 0.00	21.58 -0.55 0.00	20.53 -0.55 -0.01	18.77 -0.50 -0.14	18.10 -0.48 -0.20	20.49 -0.50 -0.06	21.54 -0.50 -0.29	22.55 -0.40 -0.73	20.94 -0.32 -1.57	27.57 -0.36 -0.48	19.90 -0.32 -0.57	14.19 -0.18 -0.71	10.96 -0.12 -0.73	13.37 -0.17 -0.35
OSWEGO___5 23606	18.08 -0.29 0.00	15.26 -0.23 -0.39	14.78 -0.22 -0.23	14.50 -0.22 -0.28	14.64 -0.20 -0.35	15.26 -0.19 -0.75	24.57 -0.42 -0.45	27.59 -0.48 -1.55	23.96 -0.39 -1.33	24.40 -0.42 -0.03	22.84 -0.40 0.00	21.76 -0.38 0.00	20.74 -0.36 -0.03	19.15 -0.33 -0.35	18.54 -0.31 -0.48	20.73 -0.36 -0.15	22.08 -0.37 -0.69	23.61 -0.38 -1.77	23.15 -0.33 -3.79	28.17 -0.44 -1.16	20.75 -0.28 -1.38	15.23 -0.15 -1.72	12.01 -0.11 -1.77	13.91 -0.13 -0.85
OSWEGO___6 23613	18.08 -0.29 0.00	15.26 -0.23 -0.39	14.78 -0.22 -0.23	14.50 -0.22 -0.28	14.64 -0.20 -0.35	15.26 -0.19 -0.75	24.57 -0.42 -0.45	27.59 -0.48 -1.55	23.96 -0.39 -1.33	24.40 -0.42 -0.03	22.84 -0.40 0.00	21.76 -0.38 0.00	20.74 -0.36 -0.03	19.15 -0.33 -0.35	18.54 -0.31 -0.48	20.73 -0.36 -0.15	22.08 -0.37 -0.69	23.61 -0.38 -1.77	23.15 -0.33 -3.79	28.17 -0.44 -1.16	20.75 -0.28 -1.38	15.23 -0.15 -1.72	12.01 -0.11 -1.77	13.91 -0.13 -0.85
OUTOKUMPU-AB___DRP 24206	18.32 -0.06 -0.01	15.77 -0.05 -0.72	15.27 0.07 -0.43	15.04 0.09 -0.53	15.19 0.04 -0.65	16.18 0.09 -1.40	25.08 -0.32 -0.86	28.77 -0.69 -2.96	25.19 -0.37 -2.53	24.73 -0.12 -0.06	23.38 0.14 0.00	22.33 0.20 0.00	21.06 -0.06 -0.06	19.72 -0.08 -0.67	19.23 -0.06 -0.90	21.09 -0.13 -0.28	22.86 -0.22 -1.32	25.17 -0.42 -3.37	26.59 -0.32 -7.21	29.24 -0.41 -2.21	22.23 -0.04 -2.62	17.18 0.25 -3.28	13.96 0.24 -3.37	15.15 0.34 -1.63
OXBOW___ 24026	18.10 -0.27 -0.01	15.64 -0.18 -0.71	15.15 -0.04 -0.43	14.91 -0.04 -0.53	15.06 -0.09 -0.65	16.04 -0.04 -1.39	24.86 -0.54 -0.86	28.50 -0.95 -2.95	24.97 -0.57 -2.52	24.48 -0.37 -0.06	23.14 -0.09 0.00	22.11 -0.02 0.00	20.88 -0.25 -0.06	19.54 -0.25 -0.66	19.08 -0.20 -0.90	20.92 -0.29 -0.28	22.66 -0.41 -1.32	24.96 -0.62 -3.36	26.39 -0.49 -7.19	28.94 -0.71 -2.20	22.07 -0.20 -2.62	17.06 0.14 -3.27	13.87 0.16 -3.36	15.06 0.25 -1.62
OXY_CHEM_DSASP 323612	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.94 -0.25 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.09 -1.35 -2.94	24.64 -0.90 -2.51	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.57 -0.28	22.37 -0.70 -1.31	24.64 -0.93 -3.35	26.07 -0.79 -7.17	28.54 -1.10 -2.20	21.80 -0.45 -2.61	16.86 -0.05 -3.26	13.74 0.03 -3.35	14.89 0.09 -1.62
OZONE_PARK_ESR 323760	19.67 1.27 -0.04	18.66 1.03 -2.53	17.28 0.97 -1.54	17.25 0.95 -1.86	17.76 0.97 -2.30	20.61 0.97 -4.94	29.40 1.77 -3.10	39.02 2.12 -10.39	33.91 1.89 -9.00	27.13 2.03 -0.31	25.37 2.00 -0.13	24.24 2.01 -0.09	23.32 1.96 -0.30	23.34 1.74 -2.47	23.31 1.65 -3.28	23.78 1.76 -1.09	28.22 1.78 -4.68	36.20 1.76 -12.23	47.69 1.61 -26.39	37.87 2.09 -8.34	30.75 1.55 -9.55	26.32 0.97 -11.69	23.10 0.78 -11.97	19.93 0.99 -5.76
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.94 -0.25 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.09 -1.35 -2.94	24.64 -0.90 -2.51	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.57 -0.28	22.37 -0.70 -1.31	24.64 -0.93 -3.35	26.07 -0.79 -7.17	28.54 -1.10 -2.20	21.80 -0.45 -2.61	16.86 -0.05 -3.26	13.74 0.03 -3.35	14.89 0.09 -1.62



PACKARD__115KV_DUPONT_184 80571	17.80 -0.57 -0.01	15.44 -0.38 -0.71	14.94 -0.25 -0.43	14.72 -0.23 -0.52	14.85 -0.29 -0.65	15.82 -0.26 -1.39	24.54 -0.86 -0.86	28.09 -1.35 -2.94	24.64 -0.90 -2.51	24.13 -0.72 -0.06	22.75 -0.49 0.00	21.76 -0.38 0.00	20.58 -0.55 -0.06	19.29 -0.50 -0.66	18.82 -0.46 -0.90	20.65 -0.57 -0.28	22.37 -0.70 -1.31	24.64 -0.93 -3.35	26.07 -0.79 -7.17	28.54 -1.10 -2.20	21.80 -0.45 -2.61	16.86 -0.05 -3.26	13.74 0.03 -3.35	14.89 0.09 -1.62
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	19.38 0.97 -0.04	18.45 0.82 -2.53	17.06 0.75 -1.54	17.03 0.74 -1.86	17.56 0.77 -2.30	20.33 0.72 -4.92	28.91 1.33 -3.05	38.65 1.75 -10.39	33.50 1.47 -9.00	26.68 1.61 -0.27	24.93 1.60 -0.09	23.82 1.64 -0.05	22.97 1.64 -0.26	22.99 1.45 -2.41	22.98 1.38 -3.22	23.35 1.40 -1.01	27.85 1.44 -4.66	35.82 1.38 -12.23	47.36 1.28 -26.39	37.37 1.59 -8.34	30.38 1.18 -9.55	26.06 0.71 -11.69	22.84 0.61 -11.88	19.66 0.75 -5.72
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.17 0.88 -1.86	17.70 0.91 -2.30	20.48 0.87 -4.92	29.08 1.50 -3.05	38.83 1.93 -10.39	33.64 1.61 -9.00	26.80 1.74 -0.27	25.05 1.72 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.09 1.55 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.95 1.54 -4.66	35.93 1.49 -12.23	47.48 1.40 -26.39	37.51 1.73 -8.34	30.49 1.30 -9.55	26.15 0.79 -11.69	22.91 0.68 -11.88	19.73 0.83 -5.72
PATROON__115KV_TB1 80586	18.90 0.50 -0.03	18.56 0.39 -3.06	17.05 0.43 -1.86	17.09 0.40 -2.25	17.66 0.39 -2.78	21.05 0.38 -5.97	28.98 0.76 -3.68	39.89 0.74 -12.64	34.33 0.62 -10.69	25.70 0.72 -0.19	23.74 0.60 0.10	22.66 0.58 0.05	21.84 0.57 -0.21	22.43 0.52 -2.79	22.70 0.50 -3.82	22.73 0.59 -1.21	27.99 0.61 -5.63	36.96 0.71 -14.03	50.07 0.65 -29.73	37.22 0.93 -8.84	31.19 0.67 -10.88	27.94 0.44 -13.85	25.07 0.30 -14.42	20.52 0.38 -6.95
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	18.65 0.28 -0.01	15.62 -0.23 -0.75	15.10 -0.12 -0.45	14.88 -0.10 -0.55	15.04 -0.13 -0.68	16.05 -0.10 -1.46	24.90 -0.54 -0.90	28.80 -0.80 -3.08	25.16 -0.51 -2.64	24.81 -0.05 -0.06	23.86 0.63 0.00	22.77 0.64 0.00	21.05 -0.08 -0.06	19.57 -0.25 -0.70	19.10 -0.22 -0.94	20.91 -0.31 -0.30	22.72 -0.41 -1.38	25.16 -0.58 -3.52	26.78 -0.43 -7.53	29.18 -0.58 -2.31	22.17 -0.22 -2.74	17.16 0.08 -3.42	13.96 0.09 -3.52	15.04 0.16 -1.70
PAWLING_115_KV_BK3_REV_LBMP_H 345028	19.63 1.23 -0.03	18.62 1.00 -2.52	17.24 0.94 -1.53	17.23 0.94 -1.86	17.73 0.94 -2.29	20.52 0.90 -4.93	29.24 1.67 -3.04	38.84 1.91 -10.42	33.69 1.66 -9.01	26.84 1.79 -0.26	24.98 1.67 -0.07	23.85 1.68 -0.04	22.90 1.58 -0.25	22.96 1.43 -2.40	22.95 1.36 -3.22	23.44 1.51 -1.00	27.96 1.54 -4.67	36.02 1.60 -12.20	47.51 1.52 -26.30	37.63 1.92 -8.27	30.61 1.43 -9.53	26.29 0.94 -11.69	22.97 0.72 -11.89	19.80 0.88 -5.73
PEEKSKILL____ 23653	19.48 1.08 -0.03	18.47 0.89 -2.47	17.12 0.86 -1.50	17.07 0.82 -1.82	17.58 0.84 -2.24	20.33 0.81 -4.83	28.99 1.47 -2.98	38.42 1.70 -10.22	33.37 1.50 -8.85	26.72 1.66 -0.26	24.92 1.60 -0.09	23.77 1.59 -0.04	22.85 1.54 -0.25	22.86 1.38 -2.36	22.84 1.30 -3.16	23.35 1.44 -0.98	27.79 1.46 -4.58	35.66 1.42 -12.01	46.92 1.30 -25.93	37.33 1.70 -8.19	30.31 1.28 -9.38	25.96 0.82 -11.48	22.67 0.66 -11.66	19.63 0.83 -5.62
PGE MADISON__WINDPWR 24146	19.85 1.47 -0.01	17.37 1.13 -1.13	16.53 1.08 -0.69	16.32 1.05 -0.83	16.67 1.14 -1.03	18.08 1.18 -2.21	28.26 2.36 -1.37	33.99 2.78 -4.70	29.02 1.98 -4.02	26.75 1.86 -0.09	25.02 1.79 0.00	23.62 1.48 0.00	22.47 1.31 -0.09	21.29 1.11 -1.06	20.91 1.10 -1.44	22.85 1.46 -0.45	25.48 1.63 -2.10	29.49 1.91 -5.36	32.92 1.77 -11.46	33.59 2.64 -3.51	25.60 1.79 -4.17	20.03 1.16 -5.21	16.52 0.81 -5.36	16.85 1.08 -2.58
PIERCEFIELD__HYD 23852	18.04 -0.33 0.00	14.92 -0.26 -0.08	14.55 -0.27 -0.05	14.21 -0.27 -0.06	14.27 -0.29 -0.07	14.55 -0.29 -0.15	24.27 -0.37 -0.09	26.46 -0.37 -0.32	22.89 -0.41 -0.28	24.06 -0.74 -0.01	22.38 -0.86 0.00	21.22 -0.91 0.00	20.19 -0.88 -0.01	18.43 -0.77 -0.07	17.72 -0.75 -0.10	20.13 -0.84 -0.03	21.00 -0.89 -0.14	21.74 -0.84 -0.37	19.75 -0.73 -0.79	26.70 -0.99 -0.24	19.17 -0.77 -0.29	13.55 -0.46 -0.36	10.41 -0.31 -0.37	12.95 -0.41 -0.18
PINELAWN_CC_1 323563	22.50 1.75 -2.39	20.22 1.44 -3.68	18.91 1.39 -2.75	18.46 1.34 -2.68	18.99 1.36 -3.14	23.35 1.38 -7.27	33.94 2.45 -6.95	39.61 2.57 -10.53	34.74 2.35 -9.37	30.18 2.65 -2.73	28.11 2.49 -2.39	27.21 2.43 -2.64	25.77 2.32 -2.38	27.23 2.09 -6.02	27.62 2.00 -7.24	29.35 2.24 -6.18	30.72 2.24 -6.73	39.15 2.02 -14.91	50.25 1.87 -28.69	44.26 2.52 -14.29	34.89 1.93 -13.31	32.77 1.31 -17.80	29.70 1.08 -18.27	23.27 1.37 -8.71
PJM_GEN_HTP_PROXY 323702	19.58 1.18 -0.04	18.59 0.95 -2.53	17.22 0.92 -1.54	17.17 0.88 -1.86	17.69 0.90 -2.30	20.53 0.90 -4.94	29.26 1.62 -3.10	38.81 1.91 -10.39	33.73 1.70 -9.00	26.93 1.83 -0.31	25.20 1.84 -0.13	24.06 1.84 -0.09	23.15 1.79 -0.29	23.18 1.59 -2.47	23.17 1.51 -3.28	23.63 1.61 -1.09	28.05 1.61 -4.69	36.00 1.55 -12.23	47.53 1.44 -26.40	37.65 1.87 -8.34	30.60 1.40 -9.55	26.23 0.87 -11.70	23.03 0.70 -11.97	19.84 0.90 -5.76
PJM_GEN_KEystone 24065	18.97 0.59 -0.02	17.11 0.38 -1.63	16.17 0.41 -0.99	16.03 0.40 -1.20	16.37 0.39 -1.48	18.23 0.35 -3.18	27.02 0.52 -1.96	33.81 0.56 -6.75	29.43 0.58 -5.83	25.73 0.77 -0.17	24.21 0.93 -0.04	23.10 0.95 -0.02	21.96 0.74 -0.16	21.29 0.61 -1.55	21.04 0.59 -2.08	22.21 0.63 -0.65	25.36 0.59 -3.02	30.63 0.53 -7.88	37.17 0.51 -16.97	33.43 0.66 -5.32	26.39 0.59 -6.15	21.68 0.46 -7.56	18.43 0.38 -7.70	17.41 0.51 -3.71
PJM_GEN_NEPTUNE_PROXY 323594	22.24 1.49 -2.39	19.99 1.21 -3.68	18.68 1.17 -2.75	18.24 1.13 -2.68	18.77 1.14 -3.14	23.13 1.16 -7.27	33.31 2.08 -6.69	39.13 2.23 -10.40	34.07 2.03 -9.01	29.25 2.28 -2.18	27.73 2.11 -2.38	26.87 2.10 -2.63	25.47 2.02 -2.38	26.95 1.82 -6.01	27.05 1.73 -6.94	28.66 1.88 -5.85	29.80 1.89 -6.16	36.19 1.73 -12.23	47.71 1.61 -26.41	37.99 2.20 -8.35	30.84 1.63 -9.56	29.85 1.08 -15.11	29.01 0.89 -17.77	22.23 1.15 -7.90
PJM_GEN_VFT_PROXY 323633	19.49 1.08 -0.04	18.51 0.88 -2.53	17.15 0.84 -1.54	17.10 0.81 -1.86	17.63 0.84 -2.30	20.46 0.82 -4.94	29.06 1.42 -3.10	38.60 1.70 -10.39	33.60 1.57 -9.00	26.79 1.69 -0.31	25.06 1.70 -0.13	23.93 1.70 -0.09	23.03 1.66 -0.30	23.07 1.47 -2.47	23.04 1.38 -3.28	23.49 1.46 -1.09	27.92 1.48 -4.69	35.85 1.40 -12.23	47.37 1.28 -26.40	37.43 1.65 -8.34	30.48 1.28 -9.55	26.14 0.78 -11.70	22.96 0.63 -11.97	19.77 0.83 -5.76
PLATSBURG_115KV_PMLD1 355749	18.51 0.15 0.00	15.22 0.12 0.00	14.85 0.09 0.00	14.49 0.06 0.00	14.52 0.03 0.00	14.72 0.03 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.19 0.13 0.00	19.30 0.17 0.00	18.51 0.13 0.00	21.10 0.17 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.51 -0.14 0.00	13.43 -0.23 0.00	10.13 -0.22 0.00	12.80 -0.38 0.00



PLEASANTVLY___LBMP 24000	19.37 0.97 -0.03	18.50 0.79 -2.62	17.10 0.75 -1.59	17.09 0.74 -1.92	17.62 0.75 -2.37	20.55 0.75 -5.10	29.01 1.33 -3.15	38.79 1.48 -10.80	33.70 1.31 -9.37	26.52 1.44 -0.29	24.73 1.39 -0.10	23.57 1.39 -0.05	22.68 1.35 -0.27	22.83 1.20 -2.50	22.86 1.14 -3.34	23.22 1.26 -1.03	27.85 1.26 -4.84	36.18 1.22 -12.74	48.33 1.12 -27.52	37.64 1.48 -8.71	30.72 1.12 -9.95	26.52 0.71 -12.15	23.24 0.57 -12.32	19.86 0.74 -5.94
PLSNTVLE_13_KV_13.8KVDIST 80602	19.51 1.12 -0.03	18.55 0.92 -2.53	17.17 0.87 -1.53	17.14 0.85 -1.86	17.66 0.87 -2.29	20.50 0.87 -4.93	29.15 1.57 -3.04	38.75 1.80 -10.44	33.68 1.61 -9.05	26.83 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.95 1.62 -0.26	22.97 1.43 -2.41	22.98 1.38 -3.23	23.44 1.51 -1.00	27.95 1.52 -4.68	35.99 1.49 -12.29	47.57 1.36 -26.52	37.61 1.78 -8.38	30.58 1.34 -9.60	26.26 0.86 -11.74	22.95 0.68 -11.91	19.80 0.87 -5.74
PLSNTVLE_13_KV_13KVDSA_REV_LBMP_I 345020	19.51 1.12 -0.03	18.55 0.92 -2.53	17.17 0.87 -1.53	17.14 0.85 -1.86	17.66 0.87 -2.29	20.50 0.87 -4.93	29.15 1.57 -3.04	38.75 1.80 -10.44	33.68 1.61 -9.05	26.83 1.76 -0.27	25.02 1.70 -0.09	23.88 1.70 -0.04	22.95 1.62 -0.26	22.97 1.43 -2.41	22.98 1.38 -3.23	23.44 1.51 -1.00	27.95 1.52 -4.68	35.99 1.49 -12.29	47.57 1.36 -26.52	37.61 1.78 -8.38	30.58 1.34 -9.60	26.26 0.86 -11.74	22.95 0.68 -11.91	19.80 0.87 -5.74
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	19.48 1.08 -0.03	18.51 0.86 -2.55	17.12 0.81 -1.55	17.11 0.81 -1.88	17.59 0.78 -2.31	20.42 0.75 -4.98	28.96 1.35 -3.07	38.55 1.51 -10.53	33.32 1.34 -8.96	26.39 1.41 -0.19	24.55 1.35 0.04	23.47 1.35 0.02	22.61 1.35 -0.19	22.68 1.20 -2.35	22.74 1.16 -3.20	23.22 1.28 -1.01	27.76 1.31 -4.70	35.42 1.33 -11.87	46.19 1.22 -25.28	36.71 1.62 -7.65	30.03 1.16 -9.22	26.04 0.76 -11.61	22.97 0.60 -12.01	19.74 0.76 -5.79
POLETTI____ 23519	16.74 1.10 2.73	16.74 0.91 -0.73	16.74 0.86 -1.12	16.74 0.84 -1.47	16.74 0.86 -1.39	16.74 0.84 -1.21	16.76 1.52 9.30	18.06 1.83 10.28	17.99 1.66 6.70	17.94 1.79 8.64	18.27 1.74 6.71	18.27 1.77 5.63	18.27 1.73 4.53	18.02 1.53 2.64	19.02 1.45 0.81	19.05 1.55 3.43	19.14 1.57 4.18	19.26 1.51 4.47	19.26 1.38 1.81	19.27 1.78 9.96	19.21 1.34 1.77	18.99 0.82 -4.51	18.35 0.67 -7.32	18.02 0.86 -3.98
POMONA___ESR 323819	19.49 1.10 -0.03	18.28 0.88 -2.31	17.00 0.84 -1.40	16.95 0.82 -1.70	17.40 0.81 -2.09	19.96 0.76 -4.50	28.71 1.40 -2.77	37.65 1.62 -9.53	32.72 1.45 -8.24	26.60 1.56 -0.24	24.82 1.51 -0.07	23.67 1.51 -0.03	22.77 1.47 -0.23	22.64 1.32 -2.19	22.58 1.27 -2.94	23.23 1.38 -0.91	27.43 1.41 -4.27	34.81 1.42 -11.17	45.07 1.30 -24.08	36.73 1.70 -7.58	29.60 1.24 -8.72	25.17 0.82 -10.69	21.86 0.64 -10.87	19.24 0.82 -5.24
PORT_JEFF_3 23555	22.72 1.97 -2.39	20.40 1.62 -3.68	19.08 1.56 -2.75	18.64 1.53 -2.68	19.17 1.54 -3.14	23.51 1.54 -7.27	37.60 2.72 -10.34	41.51 2.68 -12.33	39.48 2.53 -13.92	37.60 3.00 -9.81	28.48 2.79 -2.46	27.54 2.70 -2.71	26.02 2.57 -2.39	27.55 2.33 -6.09	31.64 2.26 -11.00	33.88 2.49 -10.46	38.20 2.39 -14.06	73.71 2.07 -49.43	79.67 1.89 -58.09	120.88 2.58 -90.86	83.27 2.00 -61.62	67.57 1.39 -52.51	36.21 1.15 -24.71	33.88 1.53 -19.17
PORT_JEFF_4 23616	22.72 1.97 -2.39	20.40 1.62 -3.68	19.08 1.56 -2.75	18.64 1.53 -2.68	19.17 1.54 -3.14	23.51 1.54 -7.27	37.60 2.72 -10.34	41.51 2.68 -12.33	39.48 2.53 -13.92	37.60 3.00 -9.81	28.48 2.79 -2.46	27.54 2.70 -2.71	26.02 2.57 -2.39	27.55 2.33 -6.09	31.64 2.26 -11.00	33.88 2.49 -10.46	38.20 2.39 -14.06	73.71 2.07 -49.43	79.67 1.89 -58.09	120.88 2.58 -90.86	83.27 2.00 -61.62	67.57 1.39 -52.51	36.21 1.15 -24.71	33.88 1.53 -19.17
PORT_JEFF_IC 23713	22.75 2.00 -2.39	20.43 1.65 -3.68	19.11 1.59 -2.75	18.67 1.56 -2.68	19.20 1.57 -3.14	23.54 1.57 -7.27	37.70 2.80 -10.37	41.64 2.78 -12.35	39.61 2.62 -13.96	37.68 3.05 -9.84	28.52 2.83 -2.45	27.60 2.77 -2.70	26.09 2.63 -2.38	27.59 2.39 -6.08	31.69 2.30 -11.01	33.96 2.55 -10.47	38.32 2.48 -14.09	73.98 2.11 -49.65	79.88 1.93 -58.26	121.42 2.64 -91.34	83.60 2.04 -61.91	67.82 1.45 -52.72	36.28 1.19 -24.74	33.99 1.57 -19.24
PPL PILGRIM_ST_GT1 24216	22.66 1.91 -2.39	20.34 1.56 -3.68	19.04 1.52 -2.75	18.59 1.47 -2.68	19.12 1.49 -3.14	23.47 1.50 -7.27	34.67 2.60 -7.53	40.00 2.65 -10.84	35.66 2.49 -10.15	31.64 2.90 -3.95	28.33 2.69 -2.40	27.40 2.61 -2.65	25.93 2.48 -2.38	27.41 2.26 -6.03	28.45 2.19 -7.88	30.28 2.43 -6.92	32.18 2.44 -7.99	45.06 2.00 -20.84	55.24 1.81 -33.74	57.36 2.47 -27.45	43.19 1.93 -21.62	38.84 1.41 -23.77	30.88 1.15 -19.38	25.17 1.48 -10.51
PPL PILGRIM_ST_GT2 24217	22.66 1.91 -2.39	20.34 1.56 -3.68	19.04 1.52 -2.75	18.59 1.47 -2.68	19.12 1.49 -3.14	23.47 1.50 -7.27	34.67 2.60 -7.53	40.00 2.65 -10.84	35.66 2.49 -10.15	31.64 2.90 -3.95	28.33 2.69 -2.40	27.40 2.61 -2.65	25.93 2.48 -2.38	27.41 2.26 -6.03	28.45 2.19 -7.88	30.28 2.43 -6.92	32.18 2.44 -7.99	45.06 2.00 -20.84	55.24 1.81 -33.74	57.36 2.47 -27.45	43.19 1.93 -21.62	38.84 1.41 -23.77	30.88 1.15 -19.38	25.17 1.48 -10.51
PPL_SHRM_GT3 24213	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.70 1.73 -7.27	37.87 3.04 -10.29	41.94 3.13 -12.30	39.76 2.88 -13.86	37.79 3.30 -9.70	28.76 3.07 -2.46	27.81 2.97 -2.71	26.26 2.80 -2.39	27.77 2.56 -6.08	31.80 2.48 -10.94	34.09 2.76 -10.39	38.48 2.78 -13.94	73.66 2.53 -48.91	79.64 2.30 -57.65	120.32 3.15 -89.72	82.96 2.42 -60.90	67.31 1.65 -51.99	36.29 1.33 -24.61	33.90 1.70 -19.01
PPL_SHRM_GT4 24214	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.70 1.73 -7.27	37.87 3.04 -10.29	41.94 3.13 -12.30	39.76 2.88 -13.86	37.79 3.30 -9.70	28.76 3.07 -2.46	27.81 2.97 -2.71	26.26 2.80 -2.39	27.77 2.56 -6.08	31.80 2.48 -10.94	34.09 2.76 -10.39	38.48 2.78 -13.94	73.66 2.53 -48.91	79.64 2.30 -57.65	120.32 3.15 -89.72	82.96 2.42 -60.90	67.31 1.65 -51.99	36.29 1.33 -24.61	33.90 1.70 -19.01
PROJECT___ORANGE 1 24174	18.45 0.07 -0.01	15.70 0.06 -0.53	15.15 0.06 -0.32	14.90 0.07 -0.39	15.06 0.09 -0.48	15.85 0.12 -1.04	25.38 0.20 -0.64	28.95 0.24 -2.20	25.14 0.23 -1.88	25.11 0.27 -0.04	23.51 0.28 0.00	22.40 0.27 0.00	21.32 0.21 -0.04	19.81 0.19 -0.50	19.25 0.20 -0.67	21.40 0.25 -0.21	22.98 0.24 -0.98	24.98 0.24 -2.51	25.28 0.22 -5.37	29.45 0.36 -1.65	21.90 0.29 -1.96	16.33 0.23 -2.44	13.04 0.18 -2.51	14.63 0.24 -1.21
PROJECT___ORANGE 2 24166	18.45 0.07 -0.01	15.70 0.06 -0.53	15.15 0.06 -0.32	14.90 0.07 -0.39	15.06 0.09 -0.48	15.85 0.12 -1.04	25.38 0.20 -0.64	28.95 0.24 -2.20	25.14 0.23 -1.88	25.11 0.27 -0.04	23.51 0.28 0.00	22.40 0.27 0.00	21.32 0.21 -0.04	19.81 0.19 -0.50	19.25 0.20 -0.67	21.40 0.25 -0.21	22.98 0.24 -0.98	24.98 0.24 -2.51	25.28 0.22 -5.37	29.45 0.36 -1.65	21.90 0.29 -1.96	16.33 0.23 -2.44	13.04 0.18 -2.51	14.63 0.24 -1.21



PUCKETT___SOLAR 323809	19.13 0.75 -0.01	16.81 0.54 -1.17	16.02 0.55 -0.71	15.84 0.55 -0.86	16.13 0.58 -1.06	17.56 0.59 -2.28	27.02 1.08 -1.41	32.56 1.22 -4.83	28.12 0.97 -4.13	25.88 0.99 -0.10	24.23 1.00 0.00	23.02 0.89 0.00	21.88 0.72 -0.10	20.83 0.61 -1.09	20.48 0.63 -1.48	22.21 0.82 -0.46	24.78 0.87 -2.16	28.69 0.95 -5.51	32.37 0.89 -11.79	32.37 1.32 -3.61	24.92 0.98 -4.29	19.69 0.67 -5.36	16.36 0.50 -5.51	16.50 0.66 -2.66
PYRITES___HYD 24023	18.24 -0.13 0.00	15.09 -0.09 -0.07	14.69 -0.12 -0.04	14.37 -0.12 -0.05	14.44 -0.12 -0.07	14.72 -0.12 -0.14	24.55 -0.07 -0.09	26.81 0.00 -0.30	23.10 -0.18 -0.26	24.35 -0.45 -0.01	22.68 -0.56 0.00	21.49 -0.64 0.00	20.46 -0.61 -0.01	18.66 -0.54 -0.07	17.94 -0.53 -0.09	20.38 -0.59 -0.03	21.30 -0.59 -0.13	22.07 -0.49 -0.34	20.03 -0.39 -0.73	27.15 -0.52 -0.22	19.44 -0.47 -0.27	13.71 -0.29 -0.33	10.48 -0.22 -0.34	13.06 -0.29 -0.17
QUAKERRD_115KV_BK1 80622	17.99 -0.39 -0.01	15.49 -0.23 -0.61	14.94 -0.19 -0.37	14.69 -0.19 -0.45	14.87 -0.17 -0.55	15.77 -0.12 -1.19	24.93 -0.34 -0.73	28.60 -0.42 -2.52	24.93 -0.25 -2.15	24.62 -0.22 -0.05	22.98 -0.26 0.00	21.91 -0.22 0.00	20.87 -0.25 -0.05	19.45 -0.25 -0.57	18.93 -0.22 -0.77	20.97 -0.21 -0.24	22.66 -0.22 -1.13	24.83 -0.27 -2.88	25.64 -0.20 -6.15	29.05 -0.27 -1.88	21.77 -0.12 -2.24	16.44 -0.01 -2.79	13.23 0.00 -2.88	14.58 0.01 -1.39
QUENSBRY_115KV_TB8 356137	19.32 0.92 -0.04	18.95 0.72 -3.12	17.37 0.71 -1.89	17.45 0.72 -2.30	18.14 0.81 -2.83	21.66 0.87 -6.09	30.09 1.79 -3.76	41.60 2.20 -12.89	35.78 1.84 -10.92	27.00 2.01 -0.20	24.92 1.77 0.08	23.71 1.62 0.04	22.57 1.29 -0.22	23.17 1.19 -2.86	23.44 1.16 -3.91	23.53 1.36 -1.24	28.76 1.26 -5.75	38.05 1.47 -14.36	51.57 1.40 -30.48	38.58 2.03 -9.10	32.20 1.41 -11.14	28.69 0.89 -14.15	25.67 0.61 -14.71	21.03 0.75 -7.09
RAMAPO___LBMP 323565	19.44 1.05 -0.03	18.26 0.85 -2.31	16.96 0.80 -1.40	16.91 0.78 -1.70	17.37 0.78 -2.10	19.95 0.75 -4.51	28.67 1.35 -2.78	37.64 1.59 -9.54	32.68 1.40 -8.25	26.57 1.54 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.73 1.43 -0.23	22.61 1.28 -2.20	22.55 1.23 -2.95	23.19 1.34 -0.91	27.40 1.37 -4.27	34.76 1.36 -11.19	45.06 1.24 -24.13	36.69 1.65 -7.59	29.58 1.20 -8.74	25.16 0.79 -10.71	21.86 0.62 -10.89	19.22 0.79 -5.25
RANKINE____ 23646	18.52 0.15 -0.01	15.81 -0.03 -0.74	15.29 0.07 -0.45	15.06 0.09 -0.54	15.21 0.04 -0.67	16.23 0.09 -1.44	25.18 -0.25 -0.89	29.00 -0.56 -3.05	25.36 -0.28 -2.61	24.90 0.05 -0.06	23.70 0.46 0.00	22.64 0.51 0.00	21.19 0.06 -0.06	19.80 -0.02 -0.69	19.31 0.00 -0.93	21.16 -0.06 -0.29	22.96 -0.15 -1.36	25.37 -0.33 -3.48	26.92 -0.22 -7.45	29.43 -0.30 -2.28	22.38 0.02 -2.71	17.30 0.26 -3.39	14.08 0.25 -3.48	15.19 0.33 -1.68
RAVENSWOOD_GT2_1 24244	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT2_2 24245	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT2_3 24246	19.56 1.16 -0.04	18.56 0.92 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.29	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT2_4 24247	19.56 1.16 -0.04	18.56 0.92 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.29	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT3_1 24248	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT3_2 24249	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT3_3 24250	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.81 1.91 -10.39	33.73 1.70 -9.00	26.94 1.83 -0.31	25.18 1.81 -0.13	24.04 1.81 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.62 1.59 -1.09	28.05 1.61 -4.69	36.00 1.56 -12.23	47.52 1.44 -26.39	37.65 1.87 -8.34	30.59 1.39 -9.55	26.21 0.86 -11.69	23.03 0.70 -11.97	19.84 0.90 -5.76
RAVENSWOOD_GT3_4 24251	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.81 1.91 -10.39	33.73 1.70 -9.00	26.94 1.83 -0.31	25.18 1.81 -0.13	24.04 1.81 -0.09	23.13 1.77 -0.30	23.17 1.57 -2.47	23.15 1.49 -3.28	23.62 1.59 -1.09	28.05 1.61 -4.69	36.00 1.56 -12.23	47.52 1.44 -26.39	37.65 1.87 -8.34	30.59 1.39 -9.55	26.21 0.86 -11.69	23.03 0.70 -11.97	19.84 0.90 -5.76
RAVENSWOOD_GT_1 23729	19.49 1.08 -0.04	18.54 0.91 -2.53	17.13 0.83 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.45 0.81 -4.94	29.11 1.47 -3.10	38.73 1.83 -10.39	33.64 1.61 -9.00	26.84 1.74 -0.31	25.11 1.74 -0.13	24.00 1.77 -0.09	23.13 1.77 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.28	23.55 1.53 -1.09	27.98 1.54 -4.69	35.95 1.51 -12.23	47.46 1.38 -26.39	37.51 1.73 -8.34	30.49 1.30 -9.55	26.15 0.79 -11.69	23.00 0.67 -11.97	19.79 0.84 -5.76



RAVENSWOOD_GT_10 24258	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT_11 24259	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT_4 24252	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT_5 24254	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT_6 24253	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT_7 24255	19.56 1.16 -0.04	18.57 0.94 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.23 1.60 -3.10	38.78 1.88 -10.39	33.71 1.68 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.50 1.42 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.21 0.86 -11.69	23.02 0.69 -11.97	19.83 0.88 -5.76
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD_GT_9 24257	19.55 1.14 -0.04	18.56 0.92 -2.53	17.18 0.87 -1.54	17.15 0.85 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.21 1.57 -3.10	38.75 1.86 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.28	23.59 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.48 1.40 -26.39	37.59 1.81 -8.34	30.55 1.36 -9.55	26.20 0.85 -11.69	23.02 0.69 -11.97	19.81 0.87 -5.76
RAVENSWOOD___1 23533	19.49 1.08 -0.04	18.54 0.91 -2.53	17.15 0.84 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.44 0.81 -4.94	29.10 1.47 -3.09	38.73 1.83 -10.40	33.64 1.61 -9.00	26.86 1.76 -0.31	25.11 1.74 -0.13	24.00 1.77 -0.09	23.13 1.77 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.29	23.55 1.53 -1.09	27.98 1.54 -4.69	35.96 1.51 -12.23	47.47 1.38 -26.40	37.52 1.73 -8.34	30.49 1.30 -9.55	26.14 0.79 -11.69	23.01 0.68 -11.98	19.79 0.84 -5.76
RAVENSWOOD___2 23534	19.49 1.08 -0.04	18.54 0.91 -2.53	17.15 0.84 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.44 0.81 -4.94	29.10 1.47 -3.09	38.73 1.83 -10.40	33.64 1.61 -9.00	26.86 1.76 -0.31	25.11 1.74 -0.13	24.00 1.77 -0.09	23.13 1.77 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.29	23.55 1.53 -1.09	27.98 1.54 -4.69	35.96 1.51 -12.23	47.47 1.38 -26.40	37.52 1.73 -8.34	30.49 1.30 -9.55	26.14 0.79 -11.69	23.01 0.68 -11.98	19.79 0.84 -5.76
RAVENSWOOD___3 23535	19.55 1.14 -0.04	18.56 0.92 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.68 0.88 -2.30	20.51 0.87 -4.94	29.19 1.55 -3.10	38.76 1.85 -10.40	33.71 1.68 -9.00	26.91 1.81 -0.31	25.14 1.77 -0.13	24.02 1.79 -0.09	23.11 1.75 -0.30	23.15 1.55 -2.47	23.13 1.47 -3.29	23.60 1.57 -1.09	28.03 1.59 -4.69	35.98 1.53 -12.23	47.49 1.40 -26.40	37.60 1.81 -8.34	30.56 1.35 -9.55	26.21 0.85 -11.70	23.02 0.69 -11.98	19.83 0.88 -5.76
RAVENSWOOD___4 23820	19.49 1.08 -0.04	18.54 0.91 -2.53	17.15 0.84 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.44 0.81 -4.94	29.10 1.47 -3.09	38.73 1.83 -10.40	33.64 1.61 -9.00	26.86 1.76 -0.31	25.11 1.74 -0.13	24.00 1.77 -0.09	23.13 1.77 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.29	23.55 1.53 -1.09	27.98 1.54 -4.69	35.96 1.51 -12.23	47.47 1.38 -26.40	37.52 1.73 -8.34	30.49 1.30 -9.55	26.14 0.79 -11.69	23.01 0.68 -11.98	19.79 0.84 -5.76
RCPL_TRUST___DRP 24196	19.60 1.19 -0.04	18.60 0.97 -2.53	17.22 0.92 -1.54	17.19 0.89 -1.86	17.72 0.93 -2.30	20.55 0.91 -4.94	29.30 1.67 -3.10	38.86 1.96 -10.39	33.78 1.75 -9.00	26.98 1.88 -0.31	25.25 1.88 -0.13	24.10 1.88 -0.09	23.20 1.83 -0.29	23.22 1.63 -2.47	23.20 1.54 -3.28	23.70 1.67 -1.09	28.09 1.65 -4.68	36.04 1.60 -12.23	47.56 1.48 -26.39	37.70 1.92 -8.34	30.63 1.43 -9.55	26.24 0.89 -11.69	23.04 0.72 -11.97	19.86 0.92 -5.76
RED___ROCHESTER 323720	18.50 0.13 -0.01	15.92 0.20 -0.62	15.40 0.27 -0.38	15.12 0.23 -0.45	15.30 0.25 -0.56	16.22 0.32 -1.21	25.66 0.37 -0.75	29.39 0.32 -2.57	25.68 0.46 -2.20	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.53 0.37 -0.78	21.64 0.46 -0.25	23.38 0.48 -1.15	25.55 0.40 -2.93	26.37 0.41 -6.27	29.94 0.58 -1.92	22.44 0.51 -2.28	16.96 0.45 -2.85	13.63 0.35 -2.93	15.06 0.46 -1.41
REGAN___SOLAR 323812	19.83 1.43 -0.04	19.41 1.16 -3.14	17.82 1.15 -1.91	17.90 1.15 -2.31	18.43 1.09 -2.85	22.03 1.21 -6.13	30.65 2.33 -3.78	42.03 2.54 -12.97	36.12 2.10 -11.00	27.24 2.23 -0.21	25.00 1.84 0.07	23.74 1.64 0.03	22.83 1.54 -0.23	23.48 1.47 -2.88	23.69 1.38 -3.94	23.89 1.72 -1.24	29.34 1.80 -5.79	38.84 2.09 -14.53	52.56 1.99 -30.89	39.55 2.83 -9.28	32.89 1.96 -11.28	29.24 1.31 -14.27	26.00 0.85 -14.80	21.36 1.04 -7.13



RENSSELAER___COGEN 23796	18.84 0.44 -0.03	18.47 0.33 -3.04	16.96 0.35 -1.84	17.03 0.36 -2.24	17.59 0.33 -2.76	20.95 0.32 -5.93	28.83 0.64 -3.66	39.67 0.61 -12.56	34.17 0.53 -10.61	25.57 0.59 -0.19	23.65 0.51 0.10	22.57 0.49 0.05	21.76 0.48 -0.20	22.34 0.44 -2.77	22.60 0.42 -3.80	22.64 0.50 -1.20	27.87 0.52 -5.59	36.78 0.60 -13.96	49.85 0.55 -29.61	37.04 0.77 -8.83	31.04 0.57 -10.83	27.79 0.37 -13.76	24.93 0.26 -14.32	20.42 0.33 -6.90
REPUBLIC_115KV_BARTNBRK 55605	20.05 1.65 -0.04	19.52 1.30 -3.12	17.94 1.28 -1.89	18.03 1.30 -2.30	18.64 1.32 -2.83	22.21 1.43 -6.09	31.12 2.82 -3.75	42.76 3.37 -12.89	36.77 2.83 -10.91	28.04 3.05 -0.20	25.80 2.65 0.09	24.53 2.43 0.04	23.07 1.79 -0.22	23.64 1.66 -2.85	23.90 1.62 -3.90	24.11 1.95 -1.23	29.35 1.85 -5.75	38.75 2.18 -14.35	52.25 2.11 -30.46	39.94 3.40 -9.09	33.14 2.36 -11.13	29.30 1.50 -14.14	26.08 1.02 -14.71	21.54 1.27 -7.09
REVERE_CPPR_DRP 24186	18.94 0.57 0.00	15.79 0.45 -0.23	15.32 0.41 -0.14	15.01 0.40 -0.17	15.17 0.46 -0.21	15.63 0.48 -0.45	25.78 0.96 -0.28	28.60 1.14 -0.96	24.63 0.78 -0.82	25.53 0.72 -0.02	23.93 0.70 0.00	22.69 0.55 0.00	21.59 0.51 -0.02	19.74 0.40 -0.22	19.07 0.40 -0.29	21.57 0.54 -0.09	22.79 0.61 -0.43	24.04 0.73 -1.09	22.74 0.71 -2.34	29.26 1.10 -0.72	21.22 0.73 -0.85	15.21 0.49 -1.06	11.79 0.34 -1.09	14.16 0.45 -0.53
REYNOLDS_115KV_TB3 80639	18.97 0.57 -0.03	18.61 0.47 -3.04	17.10 0.49 -1.84	17.14 0.48 -2.24	17.72 0.46 -2.76	21.10 0.47 -5.93	29.08 0.88 -3.66	39.97 0.90 -12.56	34.38 0.76 -10.59	25.81 0.84 -0.18	23.87 0.74 0.11	22.79 0.71 0.05	21.94 0.67 -0.20	22.50 0.61 -2.76	22.76 0.59 -3.79	22.83 0.69 -1.20	28.08 0.74 -5.59	36.89 0.80 -13.87	49.77 0.73 -29.35	37.14 1.02 -8.68	31.16 0.77 -10.74	27.86 0.48 -13.73	25.03 0.35 -14.33	20.54 0.45 -6.91
RIVERBAY____ 323610	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.17 0.88 -1.86	17.70 0.91 -2.30	20.48 0.87 -4.92	29.08 1.50 -3.05	38.83 1.93 -10.39	33.64 1.61 -9.00	26.80 1.74 -0.27	25.05 1.72 -0.09	23.93 1.75 -0.05	23.07 1.75 -0.26	23.09 1.55 -2.41	23.07 1.47 -3.22	23.45 1.51 -1.01	27.95 1.54 -4.66	35.93 1.49 -12.23	47.48 1.40 -26.39	37.51 1.73 -8.34	30.49 1.30 -9.55	26.15 0.79 -11.69	22.91 0.68 -11.88	19.73 0.83 -5.72
RIVERSDE_115KV_TB3 55908	18.90 0.50 -0.03	18.56 0.41 -3.05	17.04 0.43 -1.85	17.08 0.40 -2.24	17.65 0.39 -2.76	21.04 0.40 -5.95	28.96 0.76 -3.66	39.83 0.74 -12.58	34.30 0.64 -10.63	25.69 0.72 -0.18	23.76 0.63 0.10	22.68 0.60 0.05	21.84 0.57 -0.20	22.42 0.52 -2.77	22.70 0.51 -3.80	22.75 0.61 -1.21	27.99 0.63 -5.61	36.86 0.71 -13.93	49.84 0.65 -29.50	37.10 0.91 -8.75	31.13 0.69 -10.80	27.87 0.44 -13.77	25.02 0.31 -14.36	20.50 0.40 -6.92
ROARING___BROOK_WT_PWR 323790	17.93 -0.44 0.00	14.70 -0.41 0.00	14.34 -0.43 0.00	14.03 -0.40 0.00	14.09 -0.41 0.00	14.25 -0.44 0.00	23.73 -0.81 0.00	25.61 -0.90 0.00	22.27 -0.76 0.00	24.17 -0.62 0.00	22.82 -0.42 0.00	21.73 -0.40 0.00	20.65 -0.42 0.00	18.67 -0.46 0.00	17.90 -0.48 0.00	20.37 -0.56 0.00	21.14 -0.61 0.00	21.55 -0.67 0.00	18.98 -0.71 0.00	26.24 -1.21 0.00	18.61 -1.04 0.00	12.91 -0.75 0.00	9.77 -0.58 0.00	12.43 -0.75 0.00
ROCHESRG_115KV_T4 355643	18.34 -0.04 -0.01	15.79 0.08 -0.62	15.26 0.12 -0.37	15.00 0.12 -0.45	15.18 0.13 -0.56	16.07 0.18 -1.20	25.40 0.12 -0.74	29.07 0.03 -2.54	25.38 0.18 -2.17	25.12 0.27 -0.05	23.47 0.23 0.00	22.38 0.24 0.00	21.31 0.19 -0.05	19.85 0.15 -0.57	19.34 0.18 -0.78	21.41 0.23 -0.24	23.10 0.22 -1.14	25.25 0.13 -2.90	26.07 0.18 -6.20	29.59 0.25 -1.90	22.20 0.29 -2.26	16.79 0.31 -2.82	13.50 0.25 -2.90	14.91 0.33 -1.40
ROCHESTER_9_IC 23652	18.43 0.06 -0.01	15.87 0.15 -0.62	15.33 0.19 -0.38	15.07 0.19 -0.45	15.26 0.20 -0.56	16.17 0.26 -1.21	25.55 0.27 -0.74	29.25 0.19 -2.55	25.55 0.35 -2.18	25.29 0.45 -0.05	23.63 0.40 0.00	22.53 0.40 0.00	21.44 0.32 -0.05	19.97 0.27 -0.58	19.45 0.29 -0.78	21.53 0.36 -0.24	23.26 0.37 -1.14	25.42 0.29 -2.91	26.23 0.32 -6.23	29.79 0.44 -1.91	22.33 0.41 -2.27	16.87 0.38 -2.83	13.56 0.30 -2.91	15.00 0.41 -1.40
ROCKVIEW_13_KV_LD 356306	19.59 1.19 -0.03	18.59 0.97 -2.52	17.21 0.92 -1.53	17.18 0.89 -1.85	17.69 0.91 -2.28	20.52 0.91 -4.91	29.26 1.69 -3.03	38.81 1.91 -10.39	33.73 1.70 -9.00	26.95 1.88 -0.27	25.14 1.81 -0.09	24.01 1.84 -0.04	23.05 1.73 -0.25	23.08 1.55 -2.40	23.08 1.49 -3.21	23.54 1.61 -1.00	28.04 1.63 -4.66	36.02 1.58 -12.22	47.54 1.46 -26.39	37.68 1.89 -8.34	30.63 1.43 -9.55	26.25 0.92 -11.68	22.94 0.73 -11.85	19.82 0.92 -5.71
ROME____115KV_TB2 80656	18.94 0.57 0.00	15.79 0.45 -0.23	15.32 0.41 -0.14	15.01 0.40 -0.17	15.17 0.46 -0.21	15.63 0.48 -0.45	25.78 0.96 -0.28	28.60 1.14 -0.96	24.63 0.78 -0.82	25.53 0.72 -0.02	23.93 0.70 0.00	22.69 0.55 0.00	21.59 0.51 -0.02	19.74 0.40 -0.22	19.07 0.40 -0.29	21.57 0.54 -0.09	22.79 0.61 -0.43	24.04 0.73 -1.09	22.74 0.71 -2.34	29.26 1.10 -0.72	21.22 0.73 -0.85	15.21 0.49 -1.06	11.79 0.34 -1.09	14.16 0.45 -0.53
ROSETON___1 23587	19.37 0.97 -0.03	18.38 0.80 -2.48	17.04 0.77 -1.51	17.01 0.75 -1.83	17.50 0.75 -2.25	20.27 0.73 -4.84	28.85 1.32 -2.99	38.24 1.48 -10.25	33.21 1.31 -8.87	26.49 1.44 -0.26	24.71 1.39 -0.08	23.56 1.40 -0.04	22.66 1.35 -0.25	22.69 1.21 -2.36	22.70 1.16 -3.16	23.17 1.26 -0.98	27.63 1.28 -4.59	35.49 1.24 -12.02	46.76 1.14 -25.93	37.12 1.51 -8.16	30.15 1.12 -9.39	25.89 0.72 -11.51	22.63 0.58 -11.70	19.56 0.74 -5.64
ROSETON___2 23588	19.37 0.97 -0.03	18.38 0.80 -2.48	17.04 0.77 -1.51	17.01 0.75 -1.83	17.50 0.75 -2.25	20.27 0.73 -4.84	28.85 1.32 -2.99	38.24 1.48 -10.25	33.21 1.31 -8.87	26.49 1.44 -0.26	24.71 1.39 -0.08	23.56 1.40 -0.04	22.66 1.35 -0.25	22.69 1.21 -2.36	22.70 1.16 -3.16	23.17 1.26 -0.98	27.63 1.28 -4.59	35.49 1.24 -12.02	46.76 1.14 -25.93	37.12 1.51 -8.16	30.15 1.12 -9.39	25.89 0.72 -11.51	22.63 0.58 -11.70	19.56 0.74 -5.64
ROTTTRDAM_115KV_TB3 80664	19.14 0.73 -0.04	18.83 0.59 -3.14	17.25 0.58 -1.91	17.32 0.58 -2.31	17.92 0.58 -2.85	21.43 0.60 -6.13	29.42 1.10 -3.78	40.70 1.22 -12.97	35.08 1.06 -11.00	26.15 1.14 -0.21	24.19 1.02 0.07	23.07 0.97 0.03	22.20 0.91 -0.23	22.83 0.82 -2.88	23.10 0.79 -3.94	23.10 0.92 -1.24	28.47 0.94 -5.78	37.73 1.00 -14.51	51.43 0.91 -30.83	37.99 1.29 -9.25	31.81 0.90 -11.26	28.49 0.57 -14.26	25.57 0.42 -14.80	20.86 0.54 -7.13
RUSSELL___1 23602	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40



RUSSELL___2 23532	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40
RUSSELL___3 23549	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40
RUSSELL___4 23556	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40
RUSSELL___STATION 23914	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40
S SALMON___HYD 24043	18.28 -0.09 0.00	15.45 -0.08 -0.42	14.94 -0.07 -0.25	14.67 -0.07 -0.31	14.83 -0.04 -0.38	15.50 -0.01 -0.82	25.63 0.54 -0.55	29.12 0.72 -1.90	25.11 0.46 -1.62	25.25 0.42 -0.04	23.63 0.39 0.00	22.44 0.31 0.00	21.36 0.25 -0.04	19.77 0.21 -0.43	19.16 0.20 -0.58	21.39 0.27 -0.18	22.91 0.30 -0.85	24.76 0.38 -2.17	24.72 0.39 -4.64	29.52 0.66 -1.42	21.80 0.47 -1.69	16.11 0.34 -2.11	12.78 0.26 -2.17	14.57 0.34 -1.04
S.PERRY___115KV_TB1 80734	19.05 0.68 -0.01	16.41 0.56 -0.75	15.81 0.59 -0.46	15.56 0.58 -0.55	15.80 0.62 -0.68	16.88 0.72 -1.47	26.55 1.10 -0.90	30.78 1.17 -3.11	26.76 1.08 -2.66	26.05 1.19 -0.06	24.42 1.19 0.00	23.24 1.11 0.00	21.97 0.84 -0.06	20.52 0.69 -0.70	19.99 0.66 -0.95	22.09 0.86 -0.30	24.08 0.94 -1.39	26.74 0.98 -3.54	28.29 1.02 -7.58	31.25 1.48 -2.32	23.54 1.14 -2.76	17.96 0.86 -3.44	14.54 0.64 -3.54	15.74 0.84 -1.71
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	18.30 -0.07 -0.01	15.74 -0.09 -0.73	15.23 0.03 -0.44	15.01 0.04 -0.53	15.15 0.00 -0.66	16.14 0.03 -1.42	25.04 -0.37 -0.87	28.76 -0.74 -3.00	25.20 -0.39 -2.56	24.70 -0.15 -0.06	23.40 0.16 0.00	22.35 0.22 0.00	21.06 -0.06 -0.06	19.69 -0.11 -0.68	19.20 -0.09 -0.92	21.07 -0.15 -0.29	22.83 -0.26 -1.34	25.19 -0.44 -3.42	26.67 -0.33 -7.31	29.22 -0.47 -2.24	22.25 -0.06 -2.66	17.20 0.22 -3.32	13.99 0.22 -3.42	15.14 0.30 -1.65
SAWYER___23_KV_LOAD 55526	18.30 -0.07 -0.01	15.74 -0.09 -0.73	15.23 0.03 -0.44	15.01 0.04 -0.53	15.15 0.00 -0.66	16.14 0.03 -1.42	25.04 -0.37 -0.87	28.76 -0.74 -3.00	25.20 -0.39 -2.56	24.70 -0.15 -0.06	23.40 0.16 0.00	22.35 0.22 0.00	21.06 -0.06 -0.06	19.69 -0.11 -0.68	19.20 -0.09 -0.92	21.07 -0.15 -0.29	22.83 -0.26 -1.34	25.19 -0.44 -3.42	26.67 -0.33 -7.31	29.22 -0.47 -2.24	22.25 -0.06 -2.66	17.20 0.22 -3.32	13.99 0.22 -3.42	15.14 0.30 -1.65
SELKIRK___I 23801	19.06 0.66 -0.03	18.63 0.53 -3.00	17.13 0.55 -1.82	17.17 0.53 -2.21	17.72 0.51 -2.72	21.06 0.51 -5.85	29.10 0.96 -3.61	39.85 0.95 -12.39	34.37 0.83 -10.52	25.92 0.92 -0.21	23.99 0.81 0.06	22.88 0.77 0.03	22.02 0.74 -0.22	22.55 0.67 -2.76	22.80 0.66 -3.76	22.89 0.77 -1.19	28.08 0.81 -5.53	36.96 0.84 -13.89	50.01 0.77 -29.55	37.44 1.10 -8.89	31.22 0.79 -10.79	27.80 0.51 -13.63	24.85 0.36 -14.13	20.47 0.47 -6.81
SELKIRK___II 23799	18.95 0.55 -0.03	18.57 0.44 -3.03	17.05 0.44 -1.84	17.09 0.43 -2.23	17.68 0.43 -2.75	21.04 0.43 -5.92	28.97 0.79 -3.65	39.83 0.79 -12.53	34.34 0.69 -10.62	25.79 0.79 -0.21	23.86 0.70 0.07	22.79 0.69 0.03	21.94 0.65 -0.22	22.50 0.59 -2.78	22.75 0.57 -3.80	22.78 0.65 -1.20	28.01 0.68 -5.59	36.94 0.71 -14.01	50.10 0.63 -29.78	37.29 0.90 -8.94	31.17 0.65 -10.88	27.85 0.42 -13.77	24.95 0.31 -14.29	20.47 0.40 -6.89
SENECA OSWGO___HYD 24041	18.26 -0.11 -0.01	15.48 -0.09 -0.47	14.97 -0.07 -0.28	14.70 -0.07 -0.34	14.86 -0.06 -0.42	15.56 -0.04 -0.91	25.78 0.61 -0.63	29.44 0.77 -2.16	25.50 0.62 -1.85	25.53 0.69 -0.04	23.89 0.65 0.00	22.73 0.60 0.00	21.64 0.53 -0.04	20.07 0.46 -0.49	19.48 0.44 -0.66	21.71 0.57 -0.21	23.31 0.59 -0.97	25.31 0.62 -2.47	25.54 0.57 -5.28	29.94 0.88 -1.62	22.24 0.67 -1.92	16.50 0.44 -2.40	13.15 0.33 -2.47	14.81 0.43 -1.19
SENECA___115KV_TB3 355854	18.54 0.17 -0.01	15.84 0.00 -0.74	15.32 0.10 -0.45	15.09 0.12 -0.54	15.24 0.07 -0.67	16.26 0.12 -1.44	25.23 -0.20 -0.89	29.06 -0.50 -3.05	25.41 -0.23 -2.61	24.95 0.10 -0.06	23.75 0.51 0.00	22.66 0.53 0.00	21.23 0.11 -0.06	19.83 0.02 -0.69	19.33 0.02 -0.93	21.20 -0.02 -0.29	22.99 -0.13 -1.36	25.41 -0.29 -3.48	26.94 -0.20 -7.45	29.48 -0.25 -2.28	22.42 0.06 -2.71	17.33 0.29 -3.39	14.09 0.26 -3.48	15.22 0.36 -1.68
SENECA___ENERGY 23797	18.58 0.20 -0.01	15.90 0.15 -0.65	15.34 0.18 -0.39	15.08 0.17 -0.48	15.29 0.20 -0.59	16.20 0.23 -1.27	25.75 0.42 -0.79	29.73 0.50 -2.73	25.82 0.46 -2.33	25.39 0.54 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.50 0.38 -0.05	20.05 0.31 -0.61	19.52 0.31 -0.83	21.59 0.40 -0.26	23.40 0.43 -1.22	25.77 0.44 -3.11	26.79 0.45 -6.65	30.17 0.69 -2.04	22.60 0.53 -2.42	17.05 0.37 -3.02	13.74 0.28 -3.11	15.05 0.37 -1.50
SHOEMAKER___GT 23640	19.33 0.94 -0.02	18.05 0.74 -2.20	16.81 0.71 -1.34	16.75 0.69 -1.62	17.18 0.68 -2.00	19.64 0.65 -4.30	28.42 1.23 -2.65	36.97 1.35 -9.11	32.10 1.20 -7.87	26.31 1.29 -0.23	24.55 1.25 -0.06	23.40 1.24 -0.03	22.48 1.20 -0.22	22.31 1.09 -2.10	22.22 1.03 -2.81	22.96 1.15 -0.87	27.01 1.17 -4.08	34.08 1.20 -10.66	43.76 1.08 -22.98	36.12 1.45 -7.22	29.03 1.06 -8.32	24.59 0.71 -10.22	21.30 0.56 -10.39	18.91 0.71 -5.01
SHOEMAKR_138KV_BK 111 55601	19.33 0.94 -0.02	18.03 0.74 -2.19	16.80 0.71 -1.33	16.73 0.69 -1.61	17.16 0.68 -1.99	19.62 0.65 -4.27	28.38 1.20 -2.63	36.90 1.35 -9.04	32.04 1.20 -7.82	26.31 1.29 -0.23	24.55 1.25 -0.06	23.40 1.24 -0.03	22.48 1.20 -0.21	22.30 1.09 -2.08	22.21 1.05 -2.79	22.95 1.15 -0.87	26.98 1.17 -4.05	34.00 1.20 -10.58	43.58 1.08 -22.81	36.07 1.45 -7.17	28.97 1.06 -8.26	24.50 0.70 -10.14	21.22 0.55 -10.32	18.86 0.70 -4.97



SHOREHAM_IC_1 23715	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.70 1.73 -7.27	37.87 3.04 -10.29	41.94 3.13 -12.30	39.76 2.88 -13.86	37.79 3.30 -9.70	28.76 3.07 -2.46	27.81 2.97 -2.71	26.26 2.80 -2.39	27.77 2.56 -6.08	31.80 2.48 -10.94	34.09 2.76 -10.39	38.48 2.78 -13.94	73.66 2.53 -48.91	79.64 2.30 -57.65	120.32 3.15 -89.72	82.96 2.42 -60.90	67.31 1.65 -51.99	36.29 1.33 -24.61	33.90 1.70 -19.01
SHOREHAM_IC_2 23716	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.70 1.73 -7.27	37.87 3.04 -10.29	41.94 3.13 -12.30	39.76 2.88 -13.86	37.79 3.30 -9.70	28.76 3.07 -2.46	27.81 2.97 -2.71	26.26 2.80 -2.39	27.77 2.56 -6.08	31.80 2.48 -10.94	34.09 2.76 -10.39	38.48 2.78 -13.94	73.66 2.53 -48.91	79.64 2.30 -57.65	120.32 3.15 -89.72	82.96 2.42 -60.90	67.31 1.65 -51.99	36.29 1.33 -24.61	33.90 1.70 -19.01
SISSONVILLE____ 23735	18.04 -0.33 0.00	14.92 -0.26 -0.08	14.55 -0.27 -0.05	14.21 -0.27 -0.06	14.27 -0.29 -0.07	14.55 -0.29 -0.15	24.27 -0.37 -0.09	26.46 -0.37 -0.32	22.89 -0.41 -0.28	24.06 -0.74 -0.01	22.38 -0.86 0.00	21.22 -0.91 0.00	20.19 -0.88 -0.01	18.43 -0.77 -0.07	17.72 -0.75 -0.10	20.13 -0.84 -0.03	21.00 -0.89 -0.14	21.74 -0.84 -0.37	19.75 -0.73 -0.79	26.70 -0.99 -0.24	19.17 -0.77 -0.29	13.55 -0.46 -0.36	10.41 -0.31 -0.37	12.95 -0.41 -0.18
SITHE_IND_GS1 24169	18.02 -0.35 0.00	15.23 -0.27 -0.40	14.74 -0.27 -0.24	14.46 -0.26 -0.29	14.61 -0.25 -0.36	15.23 -0.24 -0.77	24.50 -0.52 -0.47	27.55 -0.58 -1.62	23.93 -0.48 -1.39	24.33 -0.50 -0.03	22.77 -0.46 0.00	21.69 -0.44 0.00	20.66 -0.44 -0.03	19.09 -0.40 -0.37	18.51 -0.37 -0.50	20.67 -0.42 -0.16	22.02 -0.46 -0.73	23.60 -0.47 -1.85	23.24 -0.41 -3.96	28.11 -0.55 -1.21	20.75 -0.33 -1.44	15.28 -0.18 -1.80	12.07 -0.13 -1.85	13.92 -0.16 -0.89
SITHE_IND_GS2 24170	18.02 -0.35 0.00	15.23 -0.27 -0.40	14.74 -0.27 -0.24	14.46 -0.26 -0.29	14.61 -0.25 -0.36	15.23 -0.24 -0.77	24.50 -0.52 -0.47	27.55 -0.58 -1.62	23.93 -0.48 -1.39	24.33 -0.50 -0.03	22.77 -0.46 0.00	21.69 -0.44 0.00	20.66 -0.44 -0.03	19.09 -0.40 -0.37	18.51 -0.37 -0.50	20.67 -0.42 -0.16	22.02 -0.46 -0.73	23.60 -0.47 -1.85	23.24 -0.41 -3.96	28.11 -0.55 -1.21	20.75 -0.33 -1.44	15.28 -0.18 -1.80	12.07 -0.13 -1.85	13.92 -0.16 -0.89
SITHE_IND_GS3 24171	18.02 -0.35 0.00	15.23 -0.27 -0.40	14.74 -0.27 -0.24	14.46 -0.26 -0.29	14.61 -0.25 -0.36	15.23 -0.24 -0.77	24.50 -0.52 -0.47	27.55 -0.58 -1.62	23.93 -0.48 -1.39	24.33 -0.50 -0.03	22.77 -0.46 0.00	21.69 -0.44 0.00	20.66 -0.44 -0.03	19.09 -0.40 -0.37	18.51 -0.37 -0.50	20.67 -0.42 -0.16	22.02 -0.46 -0.73	23.60 -0.47 -1.85	23.24 -0.41 -3.96	28.11 -0.55 -1.21	20.75 -0.33 -1.44	15.28 -0.18 -1.80	12.07 -0.13 -1.85	13.92 -0.16 -0.89
SITHE_IND_GS4 24172	18.02 -0.35 0.00	15.23 -0.27 -0.40	14.74 -0.27 -0.24	14.46 -0.26 -0.29	14.61 -0.25 -0.36	15.23 -0.24 -0.77	24.50 -0.52 -0.47	27.55 -0.58 -1.62	23.93 -0.48 -1.39	24.33 -0.50 -0.03	22.77 -0.46 0.00	21.69 -0.44 0.00	20.66 -0.44 -0.03	19.09 -0.40 -0.37	18.51 -0.37 -0.50	20.67 -0.42 -0.16	22.02 -0.46 -0.73	23.60 -0.47 -1.85	23.24 -0.41 -3.96	28.11 -0.55 -1.21	20.75 -0.33 -1.44	15.28 -0.18 -1.80	12.07 -0.13 -1.85	13.92 -0.16 -0.89
SITHE____BATAVIA 24024	18.59 0.22 -0.01	16.03 0.26 -0.67	15.53 0.35 -0.41	15.26 0.33 -0.50	15.44 0.33 -0.61	16.42 0.41 -1.31	25.62 0.27 -0.81	29.35 0.05 -2.79	25.69 0.28 -2.39	25.32 0.47 -0.06	23.79 0.56 0.00	22.71 0.57 0.00	21.42 0.29 -0.06	20.00 0.25 -0.63	19.49 0.26 -0.85	21.52 0.31 -0.27	23.31 0.30 -1.25	25.58 0.18 -3.19	26.75 0.24 -6.82	29.89 0.36 -2.09	22.58 0.45 -2.48	17.26 0.51 -3.10	13.94 0.40 -3.19	15.26 0.54 -1.54
SITHE____INDEPEND 23800	18.02 -0.35 0.00	15.23 -0.27 -0.40	14.74 -0.27 -0.24	14.46 -0.26 -0.29	14.61 -0.25 -0.36	15.23 -0.24 -0.77	24.50 -0.52 -0.48	27.56 -0.58 -1.64	23.94 -0.48 -1.40	24.33 -0.50 -0.03	22.77 -0.46 0.00	21.69 -0.44 0.00	20.66 -0.44 -0.03	19.09 -0.40 -0.37	18.51 -0.37 -0.50	20.67 -0.42 -0.16	22.03 -0.46 -0.73	23.62 -0.47 -1.87	23.27 -0.41 -3.99	28.12 -0.55 -1.22	20.77 -0.33 -1.45	15.30 -0.18 -1.81	12.08 -0.13 -1.87	13.93 -0.16 -0.90
SITHE____MASSENA 23902	18.15 -0.22 0.00	14.94 -0.17 0.00	14.57 -0.19 0.00	14.26 -0.17 0.00	14.29 -0.20 0.00	14.49 -0.21 0.00	24.20 -0.34 0.00	26.14 -0.37 0.00	22.66 -0.37 0.00	24.30 -0.50 0.00	22.72 -0.51 0.00	21.60 -0.53 0.00	20.58 -0.48 0.00	18.72 -0.40 0.00	17.99 -0.39 0.00	20.47 -0.46 0.00	21.32 -0.43 0.00	21.80 -0.42 0.00	19.32 -0.37 0.00	26.90 -0.55 0.00	19.20 -0.45 0.00	13.33 -0.33 0.00	10.11 -0.24 0.00	12.87 -0.32 0.00
SITHE____OGDNSBRG 24021	18.24 -0.13 0.00	15.09 -0.08 -0.06	14.70 -0.10 -0.04	14.38 -0.10 -0.05	14.43 -0.12 -0.06	14.70 -0.12 -0.12	24.52 -0.10 -0.07	26.71 -0.05 -0.26	23.04 -0.21 -0.22	24.38 -0.42 -0.01	22.75 -0.49 0.00	21.56 -0.58 0.00	20.55 -0.53 -0.01	18.73 -0.46 -0.06	18.01 -0.44 -0.08	20.46 -0.50 -0.02	21.39 -0.48 -0.11	22.13 -0.38 -0.29	20.00 -0.32 -0.63	27.25 -0.38 -0.19	19.50 -0.37 -0.23	13.70 -0.25 -0.28	10.44 -0.21 -0.29	13.05 -0.28 -0.14
SITHE____STERLING 23777	18.88 0.51 0.00	15.78 0.41 -0.27	15.31 0.38 -0.16	15.00 0.37 -0.19	15.15 0.42 -0.24	15.65 0.44 -0.52	25.70 0.83 -0.33	28.64 1.01 -1.13	24.70 0.71 -0.96	25.49 0.67 -0.02	23.89 0.65 0.00	22.69 0.55 0.00	21.58 0.48 -0.02	19.80 0.42 -0.25	19.12 0.40 -0.34	21.56 0.52 -0.11	22.82 0.56 -0.50	24.19 0.69 -1.28	23.08 0.65 -2.75	29.27 0.99 -0.84	21.33 0.69 -1.00	15.36 0.45 -1.25	11.96 0.32 -1.28	14.23 0.42 -0.62
SLEIGHT__34_KV_TB1 80719	18.34 -0.04 -0.01	15.73 0.02 -0.62	15.20 0.06 -0.37	14.94 0.06 -0.45	15.14 0.09 -0.56	16.04 0.15 -1.20	25.45 0.17 -0.74	29.26 0.21 -2.54	25.45 0.25 -2.17	25.17 0.32 -0.05	23.51 0.28 0.00	22.40 0.27 0.00	21.31 0.19 -0.05	19.85 0.15 -0.57	19.32 0.17 -0.78	21.43 0.25 -0.24	23.15 0.26 -1.14	25.34 0.22 -2.90	26.15 0.26 -6.20	29.73 0.38 -1.90	22.24 0.33 -2.26	16.74 0.26 -2.82	13.45 0.20 -2.90	14.85 0.26 -1.40
SOUTH CAIRO____GT 23612	19.37 0.97 -0.03	18.58 0.59 -2.88	17.11 0.59 -1.75	17.14 0.59 -2.12	17.57 0.46 -2.62	20.74 0.41 -5.63	28.97 0.96 -3.47	39.38 0.95 -11.92	33.92 0.76 -10.13	25.97 0.97 -0.21	23.96 0.77 0.04	22.82 0.71 0.02	22.07 0.78 -0.22	22.30 0.52 -2.66	22.53 0.53 -3.62	22.74 0.67 -1.14	27.85 0.78 -5.32	36.73 1.09 -13.43	49.33 1.04 -28.60	37.49 1.40 -8.65	30.98 0.90 -10.43	27.43 0.63 -13.14	24.34 0.39 -13.60	20.25 0.51 -6.55
SOUTH HAMPTN____IC 23720	23.27 2.52 -2.39	20.85 2.07 -3.68	19.54 2.02 -2.75	19.08 1.96 -2.68	19.62 1.99 -3.14	23.95 1.98 -7.27	38.39 3.56 -10.29	42.55 3.74 -12.30	40.27 3.39 -13.86	38.35 3.84 -9.72	29.27 3.58 -2.46	28.29 3.45 -2.71	26.70 3.24 -2.39	28.18 2.96 -6.09	32.19 2.87 -10.95	34.56 3.22 -10.40	39.04 3.33 -13.96	74.29 3.09 -48.98	80.20 2.79 -57.71	121.13 3.81 -89.87	83.55 2.91 -61.00	67.69 1.97 -52.07	36.54 1.56 -24.63	34.19 1.98 -19.03



SOUTHDOW_115KV_TB1 355954	19.07 0.70 -0.01	16.10 0.23 -0.77	15.54 0.31 -0.47	15.30 0.30 -0.57	15.48 0.29 -0.70	16.57 0.37 -1.50	25.76 0.29 -0.93	29.87 0.19 -3.18	26.02 0.28 -2.72	25.58 0.72 -0.06	24.51 1.28 0.00	23.37 1.24 0.00	21.70 0.57 -0.06	20.21 0.36 -0.72	19.66 0.31 -0.97	21.55 0.31 -0.30	23.39 0.22 -1.42	25.94 0.09 -3.63	27.61 0.16 -7.76	30.02 0.19 -2.38	22.73 0.26 -2.83	17.60 0.41 -3.53	14.29 0.31 -3.63	15.37 0.44 -1.75
SOUTHOLD_69_KV_BK 2 55809	23.49 2.74 -2.39	21.02 2.24 -3.68	19.70 2.19 -2.75	19.27 2.15 -2.68	19.79 2.16 -3.14	24.11 2.15 -7.27	38.66 3.83 -10.29	42.89 4.08 -12.30	37.14 3.71 -10.41	38.65 4.14 -9.71	29.55 3.86 -2.46	28.54 3.70 -2.71	26.92 3.48 -2.38	28.39 3.17 -6.09	32.39 3.07 -10.95	34.79 3.45 -10.40	39.32 3.61 -13.96	74.58 3.40 -48.96	80.45 3.07 -57.69	121.47 4.20 -89.82	83.79 3.18 -60.96	67.85 2.14 -52.05	36.65 1.68 -24.62	34.33 2.12 -19.02
SOUTHOLD___IC 23719	23.47 2.72 -2.39	21.02 2.23 -3.68	19.72 2.20 -2.75	19.27 2.15 -2.68	19.79 2.16 -3.14	24.11 2.15 -7.27	38.66 3.83 -10.29	42.89 4.08 -12.30	40.57 3.68 -13.86	38.65 4.14 -9.71	29.55 3.86 -2.46	28.54 3.70 -2.71	26.93 3.48 -2.39	28.39 3.18 -6.09	32.40 3.07 -10.95	34.79 3.45 -10.40	39.32 3.61 -13.96	74.58 3.40 -48.97	80.46 3.07 -57.70	121.48 4.20 -89.84	83.81 3.18 -60.98	67.86 2.14 -52.05	36.66 1.69 -24.62	34.33 2.12 -19.03
SPIERFLS_115KV_TB 1 80737	19.23 0.83 -0.04	18.88 0.65 -3.12	17.31 0.65 -1.90	17.38 0.65 -2.30	18.08 0.75 -2.83	21.60 0.81 -6.09	29.94 1.64 -3.76	41.45 2.04 -12.90	35.67 1.73 -10.92	26.86 1.86 -0.20	24.80 1.65 0.08	23.62 1.53 0.04	22.46 1.18 -0.22	23.09 1.11 -2.86	23.37 1.08 -3.91	23.42 1.26 -1.24	28.65 1.15 -5.75	37.92 1.33 -14.37	51.45 1.26 -30.49	38.39 1.84 -9.11	32.07 1.28 -11.15	28.62 0.81 -14.15	25.62 0.55 -14.72	20.95 0.67 -7.09
ST LAWRENCE____ 23600	17.98 -0.39 0.00	14.80 -0.30 0.00	14.45 -0.31 0.00	14.13 -0.30 0.00	14.16 -0.33 0.00	14.36 -0.34 0.00	23.98 -0.56 0.00	25.90 -0.61 0.00	22.47 -0.55 0.00	24.15 -0.64 0.00	22.59 -0.65 0.00	21.49 -0.64 0.00	20.50 -0.57 0.00	18.63 -0.50 0.00	17.90 -0.48 0.00	20.37 -0.56 0.00	21.19 -0.57 0.00	21.66 -0.55 0.00	19.20 -0.49 0.00	26.73 -0.71 0.00	19.10 -0.55 0.00	13.25 -0.41 0.00	10.04 -0.31 0.00	12.78 -0.41 0.00
STATE_CA_115KV_115_LB 55624	18.90 0.50 -0.03	18.56 0.39 -3.06	17.05 0.43 -1.86	17.09 0.40 -2.25	17.66 0.39 -2.78	21.05 0.38 -5.98	28.98 0.76 -3.68	39.90 0.74 -12.65	34.34 0.62 -10.69	25.70 0.72 -0.19	23.74 0.60 0.10	22.66 0.58 0.05	21.84 0.57 -0.21	22.44 0.52 -2.79	22.70 0.50 -3.83	22.73 0.59 -1.21	28.00 0.61 -5.64	36.96 0.71 -14.04	50.09 0.65 -29.75	37.23 0.93 -8.85	31.22 0.69 -10.88	27.95 0.44 -13.85	25.08 0.30 -14.43	20.52 0.38 -6.95
STATE_ST_34_KV_LOAD 55959	18.74 0.37 -0.01	16.04 0.29 -0.65	15.45 0.30 -0.39	15.18 0.27 -0.48	15.40 0.32 -0.59	16.31 0.35 -1.26	26.13 0.81 -0.78	30.19 1.01 -2.67	26.16 0.85 -2.28	25.81 0.97 -0.05	24.12 0.88 0.00	22.97 0.84 0.00	21.84 0.72 -0.05	20.36 0.63 -0.60	19.82 0.62 -0.82	21.96 0.77 -0.26	23.75 0.80 -1.19	26.11 0.84 -3.05	27.02 0.81 -6.52	30.62 1.18 -2.00	22.90 0.88 -2.37	17.22 0.60 -2.96	13.85 0.46 -3.05	15.23 0.58 -1.47
STATION 5_MISC_HYD 23604	18.43 0.06 -0.01	15.87 0.15 -0.62	15.35 0.21 -0.38	15.07 0.19 -0.45	15.26 0.20 -0.56	16.17 0.26 -1.21	25.56 0.27 -0.75	29.26 0.19 -2.57	25.57 0.35 -2.20	25.29 0.45 -0.05	23.63 0.39 0.00	22.53 0.40 0.00	21.44 0.32 -0.05	19.97 0.27 -0.58	19.46 0.29 -0.78	21.53 0.36 -0.25	23.27 0.37 -1.15	25.44 0.29 -2.93	26.27 0.31 -6.27	29.78 0.41 -1.92	22.34 0.41 -2.28	16.89 0.38 -2.85	13.58 0.30 -2.93	15.01 0.41 -1.41
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	18.59 0.22 -0.01	15.95 0.23 -0.62	15.39 0.25 -0.38	15.14 0.25 -0.46	15.34 0.28 -0.57	16.27 0.35 -1.22	25.76 0.47 -0.75	29.59 0.50 -2.58	25.76 0.53 -2.20	25.49 0.64 -0.05	23.82 0.58 0.00	22.71 0.58 0.00	21.56 0.44 -0.05	20.09 0.38 -0.58	19.55 0.39 -0.79	21.66 0.48 -0.25	23.43 0.52 -1.15	25.67 0.51 -2.94	26.47 0.49 -6.29	30.09 0.71 -1.93	22.50 0.57 -2.29	16.95 0.44 -2.86	13.62 0.33 -2.94	15.04 0.44 -1.42
STA_56_34_KV_BUS2_REV_LBMP_B 345033	18.32 -0.06 -0.01	15.78 0.06 -0.62	15.24 0.10 -0.37	14.97 0.09 -0.45	15.17 0.12 -0.56	16.07 0.18 -1.20	25.40 0.12 -0.74	29.11 0.05 -2.55	25.41 0.21 -2.18	25.14 0.30 -0.05	23.47 0.23 0.00	22.38 0.24 0.00	21.29 0.17 -0.05	19.85 0.15 -0.57	19.32 0.17 -0.78	21.41 0.23 -0.24	23.13 0.24 -1.14	25.30 0.18 -2.91	26.12 0.22 -6.21	29.62 0.27 -1.90	22.20 0.29 -2.26	16.78 0.30 -2.82	13.48 0.23 -2.90	14.89 0.30 -1.40
STA_56___34_KV_BUS2 355983	18.32 -0.06 -0.01	15.78 0.06 -0.62	15.24 0.10 -0.37	14.97 0.09 -0.45	15.17 0.12 -0.56	16.07 0.18 -1.20	25.40 0.12 -0.74	29.11 0.05 -2.55	25.41 0.21 -2.18	25.14 0.30 -0.05	23.47 0.23 0.00	22.38 0.24 0.00	21.29 0.17 -0.05	19.85 0.15 -0.57	19.32 0.17 -0.78	21.41 0.23 -0.24	23.13 0.24 -1.14	25.30 0.18 -2.91	26.12 0.22 -6.21	29.62 0.27 -1.90	22.20 0.29 -2.26	16.78 0.30 -2.82	13.48 0.23 -2.90	14.89 0.30 -1.40
STA_67___115KV_BK2 355882	18.39 0.02 -0.01	15.84 0.12 -0.62	15.32 0.18 -0.37	15.04 0.16 -0.45	15.23 0.17 -0.56	16.14 0.24 -1.21	25.50 0.22 -0.74	29.19 0.13 -2.55	25.48 0.28 -2.18	25.22 0.37 -0.05	23.56 0.33 0.00	22.49 0.35 0.00	21.37 0.25 -0.05	19.93 0.23 -0.58	19.40 0.24 -0.78	21.49 0.31 -0.24	23.20 0.30 -1.14	25.35 0.22 -2.91	26.17 0.26 -6.23	29.71 0.36 -1.91	22.29 0.37 -2.27	16.84 0.36 -2.83	13.54 0.28 -2.91	14.97 0.38 -1.40
STA_7___115KV_9TRANS 80674	18.50 0.13 -0.01	15.92 0.20 -0.62	15.39 0.25 -0.38	15.12 0.23 -0.45	15.32 0.26 -0.56	16.23 0.32 -1.21	25.65 0.37 -0.74	29.38 0.32 -2.55	25.67 0.46 -2.18	25.42 0.57 -0.05	23.75 0.51 0.00	22.64 0.51 0.00	21.54 0.42 -0.05	20.07 0.36 -0.58	19.52 0.37 -0.78	21.64 0.46 -0.24	23.37 0.48 -1.14	25.53 0.40 -2.91	26.33 0.41 -6.23	29.93 0.58 -1.91	22.42 0.51 -2.27	16.94 0.45 -2.83	13.62 0.35 -2.91	15.05 0.46 -1.40
STA_82___115KV_TB1 80780	18.41 0.04 -0.01	15.86 0.14 -0.62	15.32 0.18 -0.38	15.06 0.17 -0.46	15.24 0.19 -0.56	16.14 0.24 -1.21	25.51 0.22 -0.75	29.20 0.13 -2.56	25.51 0.30 -2.19	25.24 0.40 -0.05	23.58 0.35 0.00	22.49 0.35 0.00	21.39 0.27 -0.05	19.95 0.25 -0.58	19.42 0.26 -0.78	21.49 0.31 -0.25	23.22 0.33 -1.14	25.38 0.24 -2.92	26.22 0.28 -6.25	29.74 0.38 -1.91	22.31 0.39 -2.27	16.87 0.37 -2.84	13.56 0.29 -2.92	14.98 0.38 -1.41
STEEL___WIND 323596	18.52 0.15 -0.01	15.83 -0.02 -0.74	15.32 0.10 -0.45	15.08 0.10 -0.54	15.22 0.06 -0.67	16.24 0.10 -1.44	25.19 -0.25 -0.90	29.05 -0.53 -3.08	25.40 -0.25 -2.63	24.93 0.07 -0.06	23.72 0.49 0.00	22.66 0.53 0.00	21.21 0.08 -0.06	19.82 0.00 -0.69	19.32 0.00 -0.94	21.19 -0.04 -0.29	22.98 -0.15 -1.37	25.42 -0.31 -3.51	26.98 -0.22 -7.51	29.44 -0.30 -2.30	22.42 0.04 -2.73	17.34 0.27 -3.41	14.11 0.25 -3.51	15.22 0.34 -1.69



STEPHTWN_115KV_BK_2 55603	19.02 0.62 -0.03	18.63 0.48 -3.04	17.12 0.52 -1.84	17.16 0.49 -2.24	17.72 0.46 -2.76	21.08 0.46 -5.93	29.10 0.91 -3.66	39.96 0.90 -12.55	34.39 0.76 -10.61	25.85 0.87 -0.19	23.86 0.72 0.10	22.75 0.66 0.05	21.93 0.65 -0.20	22.49 0.59 -2.77	22.76 0.59 -3.80	22.83 0.69 -1.20	28.08 0.74 -5.59	37.01 0.87 -13.92	50.01 0.81 -29.51	37.37 1.15 -8.77	31.27 0.83 -10.80	27.92 0.52 -13.75	25.03 0.36 -14.32	20.55 0.46 -6.90
STEUBEN_REC_LFGE 323667	19.06 0.68 -0.01	16.35 0.38 -0.87	15.73 0.44 -0.53	15.52 0.45 -0.64	15.73 0.45 -0.79	16.89 0.50 -1.69	26.32 0.74 -1.04	30.89 0.80 -3.58	26.85 0.76 -3.07	25.93 1.07 -0.07	24.56 1.32 0.00	23.37 1.24 0.00	21.96 0.82 -0.07	20.57 0.63 -0.81	20.04 0.57 -1.10	21.99 0.71 -0.34	24.07 0.72 -1.60	27.00 0.69 -4.09	29.13 0.69 -8.75	31.11 0.99 -2.68	23.64 0.81 -3.18	18.24 0.60 -3.98	14.90 0.46 -4.09	15.78 0.62 -1.97
STILLWATER___SOLAR 323814	19.32 0.92 -0.04	18.94 0.72 -3.11	17.38 0.72 -1.89	17.44 0.72 -2.29	18.04 0.72 -2.83	21.54 0.76 -6.08	29.78 1.50 -3.75	41.07 1.70 -12.86	35.33 1.43 -10.88	26.53 1.54 -0.20	24.49 1.35 0.09	23.37 1.28 0.04	22.40 1.12 -0.21	23.00 1.03 -2.84	23.28 1.01 -3.89	23.34 1.17 -1.23	28.66 1.17 -5.73	37.83 1.31 -14.30	51.24 1.22 -30.33	38.21 1.73 -9.04	31.95 1.22 -11.09	28.54 0.78 -14.10	25.58 0.56 -14.67	20.96 0.70 -7.07
STONY___BROOK 24151	22.74 1.98 -2.39	20.42 1.63 -3.68	19.10 1.58 -2.75	18.66 1.54 -2.68	19.18 1.55 -3.14	23.53 1.56 -7.27	37.91 2.87 -10.50	41.82 2.89 -12.42	39.85 2.69 -14.14	37.99 3.10 -10.09	28.56 2.88 -2.44	27.66 2.83 -2.70	26.13 2.68 -2.38	27.63 2.43 -6.07	31.85 2.33 -11.14	34.13 2.57 -10.62	38.65 2.54 -14.35	75.37 2.22 -50.93	81.06 2.03 -59.34	124.39 2.77 -94.18	85.47 2.14 -63.68	69.15 1.50 -53.99	36.54 1.22 -24.97	34.41 1.59 -19.63
STURGEON_POOL_HYD 23609	19.52 1.12 -0.03	18.43 0.79 -2.54	17.03 0.72 -1.54	17.01 0.71 -1.87	17.50 0.70 -2.31	20.30 0.65 -4.96	28.75 1.15 -3.06	38.33 1.33 -10.49	33.21 1.17 -9.01	26.49 1.46 -0.23	24.68 1.42 -0.03	23.59 1.44 -0.01	22.73 1.43 -0.23	22.62 1.11 -2.39	22.64 1.05 -3.22	23.07 1.13 -1.01	27.64 1.20 -4.69	35.52 1.20 -12.10	46.74 1.08 -25.97	37.13 1.65 -8.04	30.10 1.02 -9.43	26.01 0.66 -11.69	22.86 0.54 -11.97	19.64 0.69 -5.77
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	19.40 1.01 -0.03	18.16 0.80 -2.25	16.90 0.77 -1.37	16.84 0.75 -1.66	17.28 0.74 -2.05	19.80 0.71 -4.40	28.50 1.25 -2.71	37.27 1.46 -9.31	32.34 1.27 -8.05	26.42 1.39 -0.23	24.63 1.32 -0.07	23.49 1.33 -0.03	22.60 1.31 -0.22	22.44 1.17 -2.14	22.37 1.12 -2.87	23.06 1.24 -0.89	27.18 1.26 -4.17	34.39 1.27 -10.90	44.35 1.16 -23.50	36.37 1.54 -7.39	29.28 1.12 -8.51	24.84 0.74 -10.44	21.55 0.58 -10.62	19.04 0.74 -5.12
SWANROAD_115KV_TB1 355699	18.01 -0.37 -0.01	15.58 -0.23 -0.71	15.09 -0.10 -0.43	14.89 -0.06 -0.52	15.01 -0.13 -0.64	15.97 -0.10 -1.38	24.61 -0.79 -0.85	28.21 -1.22 -2.92	24.72 -0.81 -2.50	24.23 -0.62 -0.06	22.89 -0.35 0.00	21.87 -0.27 0.00	20.66 -0.46 -0.06	19.35 -0.44 -0.66	18.87 -0.40 -0.89	20.71 -0.50 -0.28	22.43 -0.63 -1.31	24.71 -0.84 -3.34	26.10 -0.73 -7.13	28.67 -0.96 -2.19	21.85 -0.39 -2.60	16.90 0.00 -3.24	13.74 0.05 -3.34	14.89 0.09 -1.61
SYNERGY___BIOGAS 323694	18.59 0.22 -0.01	16.03 0.26 -0.67	15.53 0.35 -0.41	15.26 0.33 -0.50	15.44 0.33 -0.61	16.42 0.41 -1.31	25.62 0.27 -0.81	29.35 0.05 -2.79	25.69 0.28 -2.39	25.32 0.47 -0.06	23.79 0.56 0.00	22.71 0.57 0.00	21.42 0.29 -0.06	20.00 0.25 -0.63	19.49 0.26 -0.85	21.52 0.31 -0.27	23.31 0.30 -1.25	25.58 0.18 -3.19	26.75 0.24 -6.82	29.89 0.36 -2.09	22.58 0.45 -2.48	17.26 0.51 -3.10	13.94 0.40 -3.19	15.26 0.54 -1.54
SYRACUSE___ENERGY_ST1 323597	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
SYRACUSE___ENERGY_ST2 323598	18.59 0.22 -0.01	15.84 0.17 -0.58	15.28 0.16 -0.35	15.03 0.17 -0.42	15.20 0.19 -0.52	16.04 0.22 -1.12	25.72 0.49 -0.69	29.49 0.61 -2.38	25.56 0.51 -2.03	25.41 0.57 -0.05	23.79 0.56 0.00	22.64 0.51 0.00	21.56 0.44 -0.05	20.06 0.40 -0.54	19.49 0.39 -0.73	21.64 0.48 -0.23	23.31 0.50 -1.06	25.44 0.51 -2.71	25.96 0.47 -5.80	29.94 0.71 -1.78	22.31 0.55 -2.11	16.68 0.38 -2.63	13.35 0.29 -2.71	14.87 0.38 -1.31
SYRACUSE___POWER 24017	18.52 0.15 -0.01	15.79 0.11 -0.58	15.23 0.12 -0.35	14.97 0.12 -0.43	15.16 0.14 -0.52	15.99 0.16 -1.13	25.53 0.29 -0.70	29.27 0.37 -2.39	25.39 0.32 -2.04	25.24 0.40 -0.05	23.61 0.37 0.00	22.49 0.35 0.00	21.41 0.29 -0.05	19.93 0.27 -0.54	19.36 0.26 -0.73	21.50 0.33 -0.23	23.15 0.33 -1.07	25.28 0.33 -2.72	25.83 0.32 -5.83	29.72 0.49 -1.79	22.16 0.39 -2.12	16.59 0.29 -2.65	13.28 0.21 -2.72	14.78 0.28 -1.31
TALLMAN__138KV_BK151 55660	19.49 1.10 -0.03	18.28 0.88 -2.30	16.99 0.83 -1.40	16.93 0.81 -1.69	17.39 0.81 -2.09	19.95 0.76 -4.49	28.71 1.40 -2.77	37.65 1.64 -9.50	32.69 1.45 -8.22	26.62 1.59 -0.24	24.82 1.51 -0.07	23.67 1.50 -0.03	22.77 1.47 -0.23	22.63 1.32 -2.19	22.58 1.27 -2.93	23.22 1.38 -0.91	27.42 1.41 -4.26	34.76 1.40 -11.14	45.01 1.30 -24.02	36.71 1.70 -7.56	29.58 1.24 -8.70	25.14 0.82 -10.66	21.83 0.64 -10.84	19.23 0.82 -5.23
TEALLAVE_115KV_TB7 355573	18.43 0.06 -0.01	15.68 0.05 -0.53	15.13 0.04 -0.32	14.88 0.06 -0.39	15.05 0.07 -0.48	15.83 0.10 -1.03	25.35 0.17 -0.64	28.93 0.24 -2.18	25.10 0.21 -1.87	25.09 0.25 -0.04	23.49 0.26 0.00	22.38 0.24 0.00	21.30 0.19 -0.04	19.79 0.17 -0.49	19.21 0.17 -0.67	21.37 0.23 -0.21	22.94 0.22 -0.98	24.93 0.22 -2.49	25.21 0.20 -5.33	29.41 0.33 -1.63	21.86 0.28 -1.94	16.30 0.22 -2.42	13.01 0.17 -2.49	14.61 0.22 -1.20
TELGRAPH_34_KV_EAST 80808	18.37 0.00 -0.01	15.85 0.06 -0.69	15.34 0.16 -0.42	15.11 0.17 -0.51	15.26 0.14 -0.62	16.24 0.21 -1.34	25.22 -0.15 -0.83	28.89 -0.45 -2.84	25.31 -0.14 -2.43	24.90 0.05 -0.06	23.47 0.23 0.00	22.40 0.27 0.00	21.15 0.02 -0.06	19.77 0.00 -0.64	19.26 0.02 -0.87	21.20 0.00 -0.27	22.98 -0.04 -1.27	25.23 -0.22 -3.24	26.45 -0.16 -6.92	29.37 -0.19 -2.12	22.28 0.12 -2.52	17.10 0.30 -3.14	13.86 0.27 -3.24	15.11 0.37 -1.56
TEMPLE___115KV_TB 2 55572	18.45 0.07 -0.01	15.70 0.06 -0.53	15.15 0.06 -0.32	14.90 0.07 -0.39	15.06 0.09 -0.48	15.85 0.12 -1.04	25.38 0.20 -0.64	28.95 0.24 -2.20	25.14 0.23 -1.88	25.11 0.27 -0.04	23.51 0.28 0.00	22.40 0.27 0.00	21.32 0.21 -0.04	19.81 0.19 -0.50	19.25 0.20 -0.67	21.40 0.25 -0.21	22.98 0.24 -0.98	24.98 0.24 -2.51	25.28 0.22 -5.37	29.45 0.36 -1.65	21.90 0.29 -1.96	16.33 0.23 -2.44	13.04 0.18 -2.51	14.63 0.24 -1.21



TIANA___69_KV_BK 1 55817	23.18 2.42 -2.39	20.78 1.99 -3.68	19.45 1.93 -2.75	19.01 1.89 -2.68	19.54 1.91 -3.14	23.88 1.91 -7.27	38.22 3.39 -10.29	42.36 3.55 -12.30	36.71 3.27 -10.41	38.23 3.72 -9.71	29.13 3.44 -2.46	28.16 3.32 -2.71	26.57 3.12 -2.38	28.06 2.85 -6.09	32.10 2.77 -10.95	34.43 3.10 -10.40	38.88 3.18 -13.96	74.11 2.93 -48.96	80.03 2.66 -57.69	120.89 3.62 -89.83	83.38 2.77 -60.96	67.59 1.88 -52.05	36.46 1.49 -24.62	34.11 1.90 -19.02
TILDEN___115KV_TB1 80814	18.52 0.15 -0.01	15.79 0.11 -0.58	15.23 0.12 -0.35	14.97 0.12 -0.43	15.16 0.14 -0.52	15.99 0.16 -1.13	25.53 0.29 -0.70	29.27 0.37 -2.39	25.39 0.32 -2.04	25.24 0.40 -0.05	23.61 0.37 0.00	22.49 0.35 0.00	21.41 0.29 -0.05	19.93 0.27 -0.54	19.36 0.26 -0.73	21.50 0.33 -0.23	23.15 0.33 -1.07	25.28 0.33 -2.72	25.83 0.32 -5.83	29.72 0.49 -1.79	22.16 0.39 -2.12	16.59 0.29 -2.65	13.28 0.21 -2.72	14.78 0.28 -1.31
TRIGEN___CC 323695	22.24 1.49 -2.39	19.99 1.21 -3.68	18.68 1.17 -2.75	18.25 1.14 -2.68	18.79 1.16 -3.14	23.13 1.16 -7.27	33.31 2.09 -6.68	39.18 2.28 -10.39	34.08 2.05 -9.00	29.26 2.28 -2.18	27.75 2.14 -2.38	26.89 2.12 -2.63	25.49 2.04 -2.38	26.97 1.84 -6.01	27.07 1.75 -6.94	28.68 1.90 -5.85	29.82 1.91 -6.16	36.24 1.80 -12.23	47.76 1.67 -26.39	38.03 2.25 -8.34	30.87 1.67 -9.55	29.87 1.11 -15.10	29.02 0.90 -17.77	22.23 1.15 -7.90
TRINITY___115KV___4 BK 55933	18.84 0.44 -0.03	18.51 0.36 -3.04	17.01 0.40 -1.85	17.03 0.36 -2.24	17.60 0.35 -2.76	20.97 0.34 -5.94	28.89 0.69 -3.66	39.74 0.66 -12.57	34.20 0.55 -10.63	25.62 0.64 -0.19	23.67 0.53 0.10	22.59 0.51 0.05	21.78 0.51 -0.20	22.36 0.46 -2.78	22.62 0.44 -3.80	22.66 0.52 -1.20	27.90 0.54 -5.60	36.81 0.64 -13.94	49.83 0.59 -29.55	37.05 0.82 -8.78	31.07 0.61 -10.81	27.82 0.40 -13.77	24.98 0.28 -14.35	20.46 0.36 -6.91
UNION___PROCESSING_DRP 323587	18.41 0.04 -0.01	15.86 0.14 -0.62	15.32 0.18 -0.38	15.06 0.17 -0.46	15.25 0.19 -0.56	16.16 0.25 -1.21	25.53 0.25 -0.75	29.23 0.16 -2.56	25.54 0.32 -2.19	25.27 0.42 -0.05	23.61 0.37 0.00	22.51 0.38 0.00	21.41 0.29 -0.05	19.95 0.25 -0.58	19.44 0.28 -0.78	21.51 0.33 -0.25	23.25 0.35 -1.15	25.41 0.27 -2.92	26.22 0.28 -6.25	29.75 0.38 -1.92	22.32 0.39 -2.28	16.88 0.38 -2.84	13.58 0.30 -2.92	14.99 0.40 -1.41
UPPER HUDSON___HYD 24058	19.23 0.83 -0.04	18.88 0.65 -3.12	17.31 0.65 -1.90	17.38 0.65 -2.30	18.08 0.75 -2.83	21.60 0.81 -6.09	29.94 1.64 -3.76	41.45 2.04 -12.90	35.68 1.73 -10.92	26.86 1.86 -0.20	24.80 1.65 0.08	23.62 1.53 0.04	22.46 1.18 -0.22	23.09 1.11 -2.86	23.37 1.08 -3.91	23.42 1.26 -1.24	28.66 1.15 -5.75	37.94 1.33 -14.39	51.51 1.26 -30.56	38.43 1.84 -9.14	32.09 1.28 -11.17	28.63 0.81 -14.17	25.61 0.54 -14.72	20.95 0.67 -7.09
UPPER RAQUET___HYD 24056	18.04 -0.33 0.00	14.92 -0.26 -0.08	14.52 -0.30 -0.05	14.21 -0.27 -0.06	14.28 -0.29 -0.07	14.55 -0.29 -0.15	24.27 -0.37 -0.10	26.48 -0.37 -0.35	22.91 -0.41 -0.30	24.06 -0.74 -0.01	22.38 -0.86 0.00	21.22 -0.91 0.00	20.19 -0.88 -0.01	18.44 -0.77 -0.08	17.73 -0.75 -0.11	20.13 -0.84 -0.03	21.02 -0.89 -0.16	21.77 -0.84 -0.40	19.81 -0.73 -0.85	26.72 -0.99 -0.26	19.19 -0.77 -0.31	13.58 -0.46 -0.39	10.44 -0.31 -0.40	12.97 -0.41 -0.19
VALLEY44_115KV_TB2 355964	18.80 0.42 -0.01	15.66 -0.23 -0.78	15.10 -0.13 -0.47	14.89 -0.12 -0.57	15.07 -0.13 -0.71	16.07 -0.15 -1.52	24.96 -0.52 -0.94	29.04 -0.69 -3.22	25.34 -0.44 -2.75	24.93 0.07 -0.06	24.05 0.81 0.00	22.93 0.80 0.00	21.09 -0.04 -0.06	19.60 -0.25 -0.73	19.12 -0.24 -0.98	20.93 -0.31 -0.31	22.78 -0.41 -1.44	25.36 -0.53 -3.67	27.15 -0.39 -7.85	29.33 -0.52 -2.41	22.29 -0.22 -2.86	17.28 0.05 -3.57	14.08 0.06 -3.67	15.09 0.13 -1.77
VALLEY___115KV_TB 1-4 80826	18.61 0.24 0.00	15.36 0.20 -0.06	14.98 0.18 -0.04	14.65 0.17 -0.05	14.72 0.17 -0.06	14.99 0.18 -0.12	24.83 0.22 -0.07	27.00 0.24 -0.26	23.41 0.16 -0.22	24.97 0.17 -0.01	23.42 0.19 0.00	22.29 0.15 0.00	21.20 0.13 -0.01	19.24 0.06 -0.06	18.46 0.00 -0.08	20.96 0.00 -0.02	21.89 0.02 -0.11	22.53 0.02 -0.29	20.31 0.00 -0.62	27.61 -0.03 -0.19	19.83 -0.04 -0.23	13.94 0.00 -0.28	10.64 0.00 -0.29	13.33 0.00 -0.14
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	19.49 1.10 -0.02	17.51 0.88 -1.53	16.52 0.83 -0.93	16.38 0.82 -1.13	16.74 0.86 -1.39	18.55 0.87 -2.99	28.15 1.77 -1.84	34.87 2.04 -6.32	30.04 1.61 -5.40	26.56 1.64 -0.13	24.84 1.60 0.00	23.59 1.46 0.00	22.54 1.35 -0.13	21.74 1.19 -1.42	21.47 1.16 -1.93	22.90 1.36 -0.61	25.99 1.41 -2.82	30.98 1.56 -7.21	36.48 1.38 -15.41	34.20 2.03 -4.72	26.71 1.45 -5.61	21.62 0.96 -7.00	18.26 0.70 -7.21	17.60 0.94 -3.47
VISCHER___FERRY HYD 24020	19.14 0.74 -0.03	18.77 0.59 -3.08	17.23 0.59 -1.87	17.29 0.59 -2.27	17.89 0.59 -2.80	21.33 0.62 -6.02	29.40 1.15 -3.71	40.49 1.25 -12.74	34.83 1.06 -10.74	26.11 1.14 -0.18	24.14 1.02 0.11	23.05 0.97 0.05	22.15 0.88 -0.20	22.73 0.80 -2.80	23.01 0.79 -3.85	23.07 0.92 -1.22	28.36 0.93 -5.67	37.33 1.02 -14.09	50.45 0.93 -29.83	37.60 1.32 -8.84	31.51 0.94 -10.92	28.19 0.60 -13.93	25.31 0.43 -14.53	20.74 0.55 -7.00
V_A_10_SYNC_DSASP 323832	18.10 -0.27 -0.01	15.72 -0.06 -0.68	15.24 0.06 -0.41	14.99 0.06 -0.50	15.12 0.01 -0.62	16.07 0.04 -1.33	25.07 -0.29 -0.82	28.69 -0.64 -2.82	25.14 -0.30 -2.41	24.68 -0.17 -0.06	23.14 -0.09 0.00	22.11 -0.02 0.00	21.02 -0.10 -0.06	19.69 -0.08 -0.64	19.18 -0.05 -0.86	21.12 -0.08 -0.27	22.84 -0.17 -1.26	25.08 -0.36 -3.22	26.31 -0.26 -6.88	29.17 -0.38 -2.11	22.15 0.00 -2.50	17.00 0.22 -3.13	13.79 0.22 -3.22	15.04 0.30 -1.55
V_CMM_10_SYNC_DSASP 323787	18.04 -0.33 0.00	14.85 -0.26 0.00	14.50 -0.27 0.00	14.17 -0.26 0.00	14.22 -0.28 0.00	14.40 -0.29 0.00	24.05 -0.49 0.00	25.98 -0.53 0.00	22.54 -0.48 0.00	24.20 -0.60 0.00	22.66 -0.58 0.00	21.56 -0.58 0.00	20.56 -0.51 0.00	18.69 -0.44 0.00	17.96 -0.42 0.00	20.43 -0.50 0.00	21.27 -0.48 0.00	21.73 -0.49 0.00	19.26 -0.43 0.00	26.82 -0.63 0.00	19.14 -0.51 0.00	13.29 -0.37 0.00	10.07 -0.28 0.00	12.82 -0.37 0.00
V_CMP_10_SYNC_DSASP 323788	18.51 0.15 0.00	15.22 0.12 0.00	14.82 0.06 0.00	14.49 0.06 0.00	14.52 0.03 0.00	14.72 0.03 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.19 0.13 0.00	19.30 0.17 0.00	18.51 0.13 0.00	21.10 0.17 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.51 -0.14 0.00	13.43 -0.23 0.00	10.13 -0.22 0.00	12.80 -0.38 0.00
V_E_10_SYNC_DSASP 323830	19.85 1.47 -0.01	17.37 1.13 -1.13	16.53 1.08 -0.69	16.32 1.05 -0.83	16.67 1.14 -1.03	18.08 1.18 -2.21	28.26 2.36 -1.37	33.99 2.78 -4.70	29.02 1.98 -4.02	26.75 1.86 -0.09	25.02 1.79 0.00	23.62 1.48 0.00	22.47 1.31 -0.09	21.29 1.11 -1.06	20.91 1.10 -1.44	22.85 1.46 -0.45	25.48 1.63 -2.10	29.49 1.91 -5.36	32.92 1.77 -11.46	33.59 2.64 -3.51	25.60 1.79 -4.17	20.03 1.16 -5.21	16.52 0.81 -5.36	16.85 1.08 -2.58



V_F_30_NSYNC___DSASP 323816	19.34 0.94 -0.04	18.96 0.74 -3.12	17.39 0.74 -1.89	17.46 0.74 -2.29	18.08 0.75 -2.83	21.56 0.78 -6.09	29.81 1.52 -3.75	41.11 1.72 -12.88	35.38 1.45 -10.90	26.58 1.59 -0.20	24.54 1.39 0.09	23.40 1.31 0.04	22.44 1.16 -0.22	23.05 1.07 -2.85	23.31 1.03 -3.90	23.38 1.21 -1.23	28.71 1.22 -5.74	37.91 1.33 -14.36	51.40 1.24 -30.47	38.33 1.78 -9.11	32.04 1.26 -11.14	28.60 0.81 -14.14	25.62 0.57 -14.70	20.99 0.72 -7.08
V_F_30_SYNC_DSASP 323786	18.90 0.50 -0.03	18.56 0.39 -3.06	17.05 0.43 -1.86	17.09 0.40 -2.25	17.66 0.39 -2.78	21.05 0.38 -5.97	28.98 0.76 -3.68	39.89 0.74 -12.64	34.33 0.62 -10.69	25.70 0.72 -0.19	23.74 0.60 0.10	22.66 0.58 0.05	21.84 0.57 -0.21	22.43 0.52 -2.79	22.70 0.50 -3.82	22.73 0.59 -1.21	27.99 0.61 -5.63	36.96 0.71 -14.03	50.07 0.65 -29.73	37.22 0.93 -8.84	31.19 0.67 -10.88	27.94 0.44 -13.85	25.07 0.30 -14.42	20.52 0.38 -6.95
V_XM_10_SYNC_DSASP 323789	18.51 0.15 0.00	15.22 0.12 0.00	14.82 0.06 0.00	14.49 0.06 0.00	14.52 0.03 0.00	14.72 0.03 0.00	24.66 0.12 0.00	26.59 0.08 0.00	23.09 0.07 0.00	24.79 0.00 0.00	23.35 0.12 0.00	22.20 0.07 0.00	21.19 0.13 0.00	19.30 0.17 0.00	18.51 0.13 0.00	21.10 0.17 0.00	22.01 0.26 0.00	22.51 0.29 0.00	19.89 0.20 0.00	27.64 0.19 0.00	19.51 -0.14 0.00	13.43 -0.23 0.00	10.13 -0.22 0.00	12.80 -0.38 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	19.53 1.14 -0.03	18.32 0.91 -2.31	17.02 0.86 -1.40	16.96 0.84 -1.70	17.43 0.84 -2.09	19.99 0.79 -4.50	28.74 1.42 -2.77	37.70 1.67 -9.52	32.73 1.47 -8.24	26.65 1.61 -0.24	24.84 1.53 -0.07	23.72 1.55 -0.03	22.81 1.52 -0.23	22.68 1.36 -2.19	22.62 1.30 -2.94	23.27 1.42 -0.91	27.47 1.46 -4.27	34.85 1.47 -11.16	45.10 1.34 -24.07	36.78 1.76 -7.58	29.66 1.30 -8.72	25.19 0.85 -10.69	21.88 0.66 -10.86	19.27 0.84 -5.24
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	19.60 1.19 -0.04	18.60 0.97 -2.53	17.22 0.92 -1.54	17.19 0.89 -1.86	17.72 0.93 -2.30	20.55 0.91 -4.94	29.30 1.67 -3.10	38.86 1.96 -10.39	33.78 1.75 -9.00	26.98 1.88 -0.31	25.25 1.88 -0.13	24.10 1.88 -0.09	23.20 1.83 -0.29	23.22 1.63 -2.47	23.20 1.54 -3.28	23.70 1.67 -1.09	28.09 1.65 -4.68	36.04 1.60 -12.23	47.56 1.48 -26.39	37.70 1.92 -8.34	30.63 1.43 -9.55	26.24 0.89 -11.69	23.04 0.72 -11.97	19.86 0.92 -5.76
W50THST__13_KV_LOAD 356117	19.69 1.29 -0.04	18.68 1.04 -2.53	17.29 0.99 -1.54	17.26 0.97 -1.86	17.78 0.99 -2.30	20.62 0.98 -4.94	29.43 1.79 -3.10	39.02 2.12 -10.39	33.91 1.89 -9.00	27.13 2.03 -0.31	25.39 2.02 -0.13	24.24 2.01 -0.09	23.34 1.98 -0.29	23.35 1.76 -2.47	23.33 1.67 -3.28	23.82 1.80 -1.09	28.22 1.78 -4.68	36.18 1.73 -12.23	47.68 1.59 -26.39	37.87 2.09 -8.34	30.73 1.53 -9.55	26.31 0.96 -11.69	23.09 0.78 -11.97	19.93 0.99 -5.76
WADING RIVER_IC_1 23522	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.69 1.72 -7.27	37.92 3.07 -10.31	41.97 3.15 -12.31	39.81 2.90 -13.88	37.87 3.32 -9.75	28.79 3.09 -2.46	27.83 2.99 -2.71	26.28 2.82 -2.39	27.80 2.58 -6.09	31.85 2.50 -10.97	34.14 2.78 -10.42	38.56 2.81 -14.00	73.92 2.55 -49.15	79.85 2.30 -57.86	120.85 3.15 -90.25	83.30 2.42 -61.24	67.55 1.65 -52.24	36.35 1.34 -24.66	33.98 1.71 -19.08
WADING RIVER_IC_2 23547	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.69 1.72 -7.27	37.92 3.07 -10.31	41.97 3.15 -12.31	39.81 2.90 -13.88	37.87 3.32 -9.75	28.79 3.09 -2.46	27.83 2.99 -2.71	26.28 2.82 -2.39	27.80 2.58 -6.09	31.85 2.50 -10.97	34.14 2.78 -10.42	38.56 2.81 -14.00	73.92 2.55 -49.15	79.85 2.30 -57.86	120.85 3.15 -90.25	83.30 2.42 -61.24	67.55 1.65 -52.24	36.35 1.34 -24.66	33.98 1.71 -19.08
WADING RIVER_IC_3 23601	22.94 2.18 -2.39	20.58 1.80 -3.68	19.27 1.76 -2.75	18.82 1.70 -2.68	19.35 1.72 -3.14	23.69 1.72 -7.27	37.92 3.07 -10.31	41.97 3.15 -12.31	39.81 2.90 -13.88	37.87 3.32 -9.75	28.79 3.09 -2.46	27.83 2.99 -2.71	26.28 2.82 -2.39	27.80 2.58 -6.09	31.85 2.50 -10.97	34.14 2.78 -10.42	38.56 2.81 -14.00	73.92 2.55 -49.15	79.85 2.30 -57.86	120.85 3.15 -90.25	83.30 2.42 -61.24	67.55 1.65 -52.24	36.35 1.34 -24.66	33.98 1.71 -19.08
WALDENNY_12_KV_BK2 80841	18.52 0.15 -0.01	15.84 0.00 -0.74	15.31 0.10 -0.45	15.09 0.12 -0.54	15.23 0.07 -0.67	16.25 0.12 -1.44	25.20 -0.22 -0.89	29.02 -0.53 -3.04	25.39 -0.23 -2.60	24.93 0.07 -0.06	23.70 0.46 0.00	22.62 0.49 0.00	21.21 0.08 -0.06	19.83 0.02 -0.69	19.32 0.02 -0.93	21.20 -0.02 -0.29	22.98 -0.13 -1.36	25.38 -0.31 -3.47	26.91 -0.20 -7.42	29.44 -0.27 -2.27	22.41 0.06 -2.70	17.32 0.29 -3.37	14.08 0.26 -3.47	15.21 0.36 -1.67
WALDEN___HYDRO 24148	19.49 1.10 -0.03	18.35 0.86 -2.39	17.04 0.83 -1.45	16.98 0.79 -1.75	17.44 0.78 -2.16	20.08 0.73 -4.65	28.73 1.32 -2.87	37.90 1.54 -9.85	32.87 1.33 -8.51	26.47 1.44 -0.24	24.67 1.37 -0.06	23.53 1.37 -0.03	22.65 1.35 -0.23	22.59 1.21 -2.26	22.55 1.14 -3.04	23.15 1.28 -0.94	27.49 1.33 -4.41	35.10 1.38 -11.50	45.73 1.26 -24.78	36.86 1.65 -7.77	29.82 1.20 -8.98	25.49 0.79 -11.04	22.22 0.62 -11.24	19.38 0.78 -5.42
WARRENSBURG___ 23737	19.23 0.83 -0.04	18.88 0.65 -3.12	17.31 0.65 -1.90	17.38 0.65 -2.30	18.08 0.75 -2.83	21.60 0.81 -6.09	29.94 1.64 -3.76	41.45 2.04 -12.90	35.68 1.73 -10.92	26.86 1.86 -0.20	24.80 1.65 0.08	23.62 1.53 0.04	22.46 1.18 -0.22	23.09 1.11 -2.86	23.37 1.08 -3.91	23.42 1.26 -1.24	28.66 1.15 -5.75	37.94 1.33 -14.39	51.51 1.26 -30.56	38.43 1.84 -9.14	32.09 1.28 -11.17	28.63 0.81 -14.17	25.61 0.54 -14.72	20.95 0.67 -7.09
WATERSIDE___6 8 9 23538	19.49 1.08 -0.04	18.54 0.91 -2.53	17.13 0.83 -1.54	17.12 0.82 -1.86	17.63 0.84 -2.30	20.45 0.81 -4.94	29.11 1.47 -3.10	38.73 1.83 -10.39	33.64 1.61 -9.00	26.84 1.74 -0.31	25.11 1.74 -0.13	24.00 1.77 -0.09	23.13 1.77 -0.30	23.15 1.55 -2.47	23.15 1.49 -3.28	23.55 1.53 -1.09	27.98 1.54 -4.69	35.95 1.51 -12.23	47.46 1.38 -26.39	37.51 1.73 -8.34	30.49 1.30 -9.55	26.15 0.79 -11.69	23.00 0.67 -11.97	19.79 0.84 -5.76
WATKINRD_115KV_LN8_ILLION 55919	18.55 0.18 0.00	15.32 0.15 -0.06	14.93 0.13 -0.04	14.61 0.13 -0.05	14.69 0.14 -0.06	14.95 0.13 -0.12	24.81 0.20 -0.07	26.97 0.21 -0.26	23.38 0.14 -0.22	24.95 0.15 -0.01	23.40 0.16 0.00	22.26 0.13 0.00	21.20 0.13 -0.01	19.26 0.08 -0.06	18.49 0.04 -0.08	21.00 0.04 -0.02	21.93 0.07 -0.11	22.58 0.07 -0.29	20.37 0.06 -0.62	27.72 0.08 -0.19	19.91 0.04 -0.23	13.98 0.04 -0.28	10.67 0.03 -0.29	13.37 0.04 -0.14
WATSON___69_KV_BK 1 55734	22.83 2.08 -2.39	20.48 1.69 -3.68	19.16 1.64 -2.75	18.72 1.60 -2.68	19.25 1.62 -3.14	23.60 1.63 -7.27	35.84 2.87 -8.43	40.79 2.97 -11.32	35.50 2.74 -9.74	33.77 3.15 -5.83	28.56 2.90 -2.42	27.64 2.83 -2.67	26.12 2.68 -2.38	27.60 2.43 -6.05	29.61 2.35 -8.88	31.60 2.62 -8.05	34.34 2.65 -9.94	54.59 2.33 -30.04	63.38 2.13 -41.56	78.20 2.91 -47.84	56.36 2.24 -34.47	48.24 1.57 -33.01	32.70 1.26 -21.09	28.09 1.61 -13.29



WDELAWARE___HYD 323627	19.64 1.25 -0.02	18.26 0.97 -2.19	17.01 0.92 -1.33	16.94 0.90 -1.61	17.33 0.84 -1.99	19.76 0.78 -4.28	28.55 1.37 -2.64	37.16 1.59 -9.07	32.19 1.36 -7.81	26.42 1.41 -0.21	24.65 1.37 -0.04	23.50 1.35 -0.02	22.62 1.35 -0.20	22.40 1.21 -2.07	22.32 1.16 -2.79	23.08 1.28 -0.87	27.16 1.35 -4.06	34.16 1.42 -10.51	43.59 1.30 -22.60	36.22 1.73 -7.04	29.06 1.22 -8.20	24.60 0.82 -10.13	21.34 0.64 -10.34	18.99 0.82 -4.99
WEST BABYLON___IC 23714	22.70 1.95 -2.39	20.37 1.59 -3.68	19.05 1.54 -2.75	18.62 1.50 -2.68	19.15 1.52 -3.14	23.48 1.51 -7.27	34.35 2.67 -7.14	39.95 2.81 -10.63	34.77 2.58 -9.16	30.84 2.93 -3.12	28.35 2.72 -2.39	27.43 2.66 -2.64	25.98 2.53 -2.38	27.44 2.30 -6.02	28.03 2.21 -7.44	29.80 2.45 -6.42	31.37 2.48 -7.13	41.26 2.22 -16.82	52.03 2.03 -30.31	48.75 2.77 -18.53	37.75 2.12 -15.98	34.85 1.46 -19.73	30.16 1.18 -18.62	23.98 1.50 -9.29
WEST CANADA___HYD 24049	18.40 0.04 0.00	15.20 0.03 -0.06	14.83 0.03 -0.04	14.51 0.03 -0.05	14.58 0.03 -0.06	14.85 0.03 -0.12	24.67 0.05 -0.08	26.83 0.05 -0.27	23.28 0.02 -0.23	24.82 0.02 -0.01	23.28 0.05 0.00	22.15 0.02 0.00	21.09 0.02 -0.01	19.21 0.02 -0.06	18.48 0.02 -0.08	20.98 0.02 -0.03	21.87 0.00 -0.12	22.54 0.02 -0.30	20.34 0.00 -0.65	27.64 0.00 -0.20	19.88 0.00 -0.24	13.95 0.00 -0.30	10.66 0.00 -0.30	13.33 0.00 -0.15
WESTERN_NY_WIND 24143	18.58 0.20 -0.01	16.02 0.24 -0.68	15.50 0.32 -0.41	15.26 0.33 -0.50	15.43 0.32 -0.62	16.42 0.40 -1.32	25.58 0.22 -0.82	29.31 0.00 -2.80	25.68 0.25 -2.40	25.27 0.42 -0.06	23.75 0.51 0.00	22.66 0.53 0.00	21.40 0.27 -0.06	19.97 0.21 -0.63	19.47 0.24 -0.86	21.47 0.27 -0.27	23.27 0.26 -1.25	25.55 0.13 -3.20	26.73 0.20 -6.84	29.84 0.30 -2.10	22.55 0.41 -2.49	17.26 0.49 -3.11	13.94 0.39 -3.20	15.25 0.53 -1.54
WESTOVER___LESR 323668	18.93 0.55 -0.01	16.59 0.36 -1.12	15.82 0.37 -0.68	15.63 0.38 -0.83	15.91 0.39 -1.02	17.27 0.38 -2.19	26.53 0.64 -1.35	31.84 0.69 -4.64	27.64 0.64 -3.97	25.68 0.79 -0.09	24.10 0.86 0.00	22.95 0.82 0.00	21.79 0.63 -0.09	20.71 0.54 -1.05	20.31 0.51 -1.42	22.01 0.63 -0.44	24.44 0.61 -2.07	28.14 0.62 -5.30	31.59 0.57 -11.33	31.77 0.85 -3.47	24.44 0.67 -4.12	19.29 0.48 -5.15	16.01 0.36 -5.30	16.24 0.50 -2.55
WETHRSFD_WT_PWR 323626	18.52 0.15 -0.01	15.91 0.02 -0.79	15.36 0.12 -0.48	15.13 0.11 -0.58	15.30 0.09 -0.72	16.36 0.12 -1.54	25.40 -0.10 -0.96	29.50 -0.29 -3.29	25.72 -0.11 -2.81	25.06 0.20 -0.07	23.75 0.51 0.00	22.66 0.53 0.00	21.28 0.15 -0.07	19.91 0.04 -0.74	19.42 0.04 -1.00	21.27 0.02 -0.31	23.20 -0.02 -1.47	25.81 -0.15 -3.75	27.63 -0.08 -8.02	29.79 -0.11 -2.46	22.68 0.12 -2.92	17.56 0.26 -3.64	14.32 0.22 -3.75	15.31 0.32 -1.81
WHAVSTOR_138KV_BK127 55557	19.46 1.07 -0.03	18.27 0.86 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.38 0.80 -2.09	19.95 0.75 -4.50	28.69 1.37 -2.77	37.62 1.59 -9.53	32.69 1.43 -8.24	26.57 1.54 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.75 1.45 -0.23	22.62 1.30 -2.19	22.55 1.23 -2.94	23.21 1.36 -0.91	27.39 1.37 -4.27	34.76 1.38 -11.17	45.03 1.26 -24.08	36.67 1.65 -7.58	29.58 1.22 -8.72	25.14 0.79 -10.69	21.85 0.63 -10.87	19.23 0.80 -5.24
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	19.46 1.07 -0.03	18.27 0.86 -2.31	16.98 0.81 -1.40	16.92 0.79 -1.70	17.38 0.80 -2.09	19.95 0.75 -4.50	28.69 1.37 -2.77	37.62 1.59 -9.53	32.69 1.43 -8.24	26.57 1.54 -0.24	24.79 1.49 -0.07	23.65 1.48 -0.03	22.75 1.45 -0.23	22.62 1.30 -2.19	22.55 1.23 -2.94	23.21 1.36 -0.91	27.39 1.37 -4.27	34.76 1.38 -11.17	45.03 1.26 -24.08	36.67 1.65 -7.58	29.58 1.22 -8.72	25.14 0.79 -10.69	21.85 0.63 -10.87	19.23 0.80 -5.24
WHITEHAL_115KV_TB1 80871	19.58 1.18 -0.04	19.15 0.92 -3.12	17.57 0.92 -1.89	17.65 0.92 -2.30	18.30 0.97 -2.83	21.84 1.06 -6.09	30.50 2.21 -3.75	42.05 2.65 -12.89	36.17 2.23 -10.91	27.40 2.40 -0.20	25.26 2.11 0.09	24.02 1.93 0.04	22.78 1.50 -0.22	23.36 1.38 -2.85	23.62 1.34 -3.90	23.76 1.59 -1.23	29.00 1.50 -5.75	38.33 1.76 -14.35	51.84 1.69 -30.46	39.15 2.61 -9.09	32.57 1.79 -11.13	28.93 1.13 -14.14	25.83 0.78 -14.71	21.22 0.95 -7.09
WHITEPLN_13_KV_LOAD 356215	19.66 1.27 -0.03	18.64 1.03 -2.51	17.26 0.97 -1.52	17.23 0.95 -1.85	17.76 0.99 -2.28	20.58 0.98 -4.90	29.28 1.72 -3.02	38.87 1.99 -10.38	33.79 1.77 -8.99	27.00 1.93 -0.27	25.21 1.88 -0.09	24.06 1.88 -0.04	23.07 1.75 -0.25	23.09 1.57 -2.40	23.09 1.51 -3.21	23.56 1.63 -0.99	28.08 1.67 -4.65	36.05 1.62 -12.21	47.54 1.50 -26.35	37.75 1.98 -8.32	30.66 1.47 -9.54	26.27 0.94 -11.66	22.93 0.75 -11.84	19.83 0.94 -5.71
WM_FLOYD_69_KV_BK2 356380	22.92 2.17 -2.39	20.57 1.78 -3.68	19.23 1.71 -2.75	18.80 1.69 -2.68	19.34 1.71 -3.14	23.67 1.70 -7.27	37.77 2.99 -10.23	41.85 3.07 -12.27	36.37 2.86 -10.49	37.65 3.27 -9.59	28.71 3.02 -2.46	27.76 2.92 -2.71	26.23 2.78 -2.38	27.73 2.52 -6.08	31.72 2.46 -10.88	34.00 2.74 -10.32	38.32 2.74 -13.82	73.06 2.49 -48.35	79.12 2.26 -57.16	118.99 3.07 -88.47	82.13 2.38 -60.11	66.70 1.61 -51.43	36.16 1.30 -24.50	33.70 1.67 -18.84
WOODARD___115KV_TB2 355635	18.39 0.02 -0.01	15.65 0.02 -0.53	15.12 0.03 -0.32	14.85 0.03 -0.39	15.02 0.04 -0.48	15.79 0.06 -1.04	25.35 0.17 -0.64	28.92 0.21 -2.20	25.09 0.18 -1.88	25.09 0.25 -0.04	23.47 0.23 0.00	22.35 0.22 0.00	21.28 0.17 -0.04	19.78 0.15 -0.50	19.21 0.17 -0.67	21.35 0.21 -0.21	22.95 0.22 -0.98	24.93 0.20 -2.51	25.25 0.20 -5.36	29.42 0.33 -1.64	21.87 0.28 -1.95	16.30 0.20 -2.44	13.01 0.16 -2.51	14.60 0.21 -1.21
YORK___WARBASSE 23770	19.56 1.16 -0.04	18.60 0.97 -2.53	17.19 0.89 -1.54	17.16 0.87 -1.86	17.69 0.90 -2.30	20.49 0.85 -4.94	29.21 1.57 -3.10	38.78 1.88 -10.39	33.68 1.66 -9.00	26.91 1.81 -0.31	25.16 1.79 -0.13	24.06 1.84 -0.09	23.20 1.83 -0.30	23.20 1.61 -2.47	23.21 1.54 -3.28	23.62 1.59 -1.09	28.07 1.63 -4.69	36.02 1.58 -12.23	47.54 1.46 -26.39	37.62 1.84 -8.34	30.57 1.38 -9.55	26.20 0.85 -11.69	23.05 0.72 -11.97	19.83 0.88 -5.76