

# Day Ahead Market Generator LBMP

		--- LBMP \$								--- Marginal Cost of Losses								--- Marginal Cost of Congestion										
Generator Data		10/05/2025																										
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00			
59TH STREET_GT_1	24138	39.84	35.04	31.07	28.91	29.11	30.13	33.66	34.87	30.23	27.74	28.00	30.22	33.83	35.82	38.60	45.31	59.19	87.07	93.93	83.85	66.43	48.82	44.16	37.88			
		1.93	1.85	1.60	1.46	1.44	1.39	1.60	1.79	1.58	1.69	1.86	2.08	2.42	2.53	2.77	2.92	3.66	5.70	6.18	4.62	3.49	2.53	2.61	2.35			
		-0.72	-0.68	-0.45	0.00	-0.06	-0.86	0.00	0.00	-0.51	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.46			
74TH STREET_GT_1	24260	39.92	35.11	31.12	28.97	29.17	30.19	33.72	34.94	30.29	27.79	28.05	30.28	33.90	35.92	38.67	45.39	59.30	87.23	94.10	84.00	66.55	48.91	44.28	37.98			
		2.01	1.92	1.65	1.51	1.49	1.45	1.67	1.85	1.63	1.74	1.91	2.14	2.48	2.63	2.84	3.01	3.78	5.86	6.35	4.78	3.61	2.62	2.73	2.45			
		-0.72	-0.68	-0.45	0.00	-0.06	-0.86	0.00	0.00	-0.51	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.46			
74TH STREET_GT_2	24261	39.92	35.11	31.12	28.97	29.17	30.19	33.72	34.94	30.29	27.79	28.05	30.28	33.90	35.92	38.67	45.39	59.30	87.23	94.10	84.00	66.55	48.91	44.28	37.98			
		2.01	1.92	1.65	1.51	1.49	1.45	1.67	1.85	1.63	1.74	1.91	2.14	2.48	2.63	2.84	3.01	3.78	5.86	6.35	4.78	3.61	2.62	2.73	2.45			
		-0.72	-0.68	-0.45	0.00	-0.06	-0.86	0.00	0.00	-0.51	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.46			
ADK HUDSON___FALLS	24011	43.41	38.31	33.22	28.58	29.23	34.74	33.27	34.17	32.17	26.41	26.22	28.25	31.48	33.33	35.66	42.98	57.47	91.60	109.76	95.46	69.58	54.63	47.94	39.57			
		1.41	1.24	1.16	1.13	1.19	1.09	1.22	1.09	0.62	0.36	0.08	0.11	0.06	0.03	0.32	0.59	1.94	4.01	4.74	3.70	2.68	1.85	1.75	1.40			
		-4.81	-4.57	-3.04	0.00	-0.43	-5.77	0.00	0.00	-3.41	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	-7.30	-20.30	-14.74	-4.66	-7.63	-5.45	-3.11			
ADK RESOURCE___RCVRY	23798	43.38	38.24	33.21	28.64	29.28	34.66	45.95	49.43	32.10	26.38	26.17	28.19	31.41	33.29	35.63	42.98	57.58	91.67	109.74	95.59	69.67	54.55	47.90	39.54			
		1.49	1.27	1.22	1.18	1.24	1.14	1.22	1.03	0.62	0.34	0.03	0.06	0.00	0.00	0.28	0.59	2.06	4.25	5.17	4.16	2.86	1.94	1.83	1.44			
		-4.70	-4.46	-2.98	0.00	-0.43	-5.64	-12.68	-15.32	-3.33	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	-7.14	-19.85	-14.41	-4.56	-7.46	-5.33	-3.04			
ADK S GLENS___FALLS	24028	43.41	38.31	33.22	28.58	29.23	34.74	33.27	34.17	32.17	26.41	26.22	28.25	31.48	33.33	35.66	42.98	57.47	91.60	109.76	95.46	69.58	54.63	47.94	39.57			
		1.41	1.24	1.16	1.13	1.19	1.09	1.22	1.09	0.62	0.36	0.08	0.11	0.06	0.03	0.32	0.59	1.94	4.01	4.74	3.70	2.68	1.85	1.75	1.40			
		-4.81	-4.57	-3.04	0.00	-0.43	-5.77	0.00	0.00	-3.41	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	-7.30	-20.30	-14.74	-4.66	-7.63	-5.45	-3.11			
ADK_NYS___DAM	23527	46.24	40.99	35.04	28.80	29.64	37.88	53.16	58.30	34.64	27.27	27.27	29.32	32.67	34.53	36.44	44.12	58.02	95.58	119.86	102.92	71.98	58.82	51.07	41.62			
		1.82	1.62	1.45	1.35	1.38	1.34	1.63	1.69	1.38	1.22	1.12	1.18	1.26	1.23	1.35	1.74	2.50	4.33	4.66	3.77	2.74	2.21	2.16	1.89			
		-7.23	-6.86	-4.57	0.00	-0.65	-8.67	-19.48	-23.53	-5.12	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.00	-10.97	-30.49	-22.13	-7.00	-11.46	-8.18	-4.67			
AIR_PRODUCTS___DRP	24190	29.67	25.40	24.35	27.62	27.08	18.80	32.47	33.51	22.75	26.02	26.09	28.08	31.35	33.16	35.38	42.30	55.63	69.23	52.89	53.59	54.79	33.20	32.43	30.44			
		0.19	0.20	0.20	0.16	0.17	0.17	0.42	0.43	0.06	-0.03	-0.05	-0.06	-0.06	-0.13	0.00	-0.08	0.11	0.64	0.68	0.15	0.00	0.27	0.41	0.35			
		7.70	7.31	4.87	0.00	0.70	9.24	0.00	0.00	5.45	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	11.69	32.50	23.59	7.46	12.22	8.72	4.98			
AKWESSNE_115KV_BK	355683	37.45	32.74	29.22	27.62	27.78	28.10	32.31	33.25	28.32	26.20	26.35	28.45	31.73	33.56	35.68	42.60	55.75	80.20	84.37	77.64	62.81	45.42	40.98	35.10			
		0.26	0.23	0.20	0.16	0.17	0.22	0.26	0.17	0.17	0.16	0.21	0.31	0.31	0.27	0.14	0.21	0.22	-0.08	-0.34	0.62	0.56	0.27	0.24	0.04			
		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
ALBANY_1_SOLAR	323833	29.49	25.21	24.27	27.67	27.17	18.55	10.84	7.25	22.34	25.65	25.63	27.59	30.80	32.61	34.94	41.19	55.30	68.85	52.21	53.33	54.85	32.92	32.17	30.30			
		0.26	0.26	0.29	0.22	0.28	0.22	0.26	0.10	-0.17	-0.39	-0.50	-0.54	-0.60	-0.67	-0.50	-0.51	-0.22	0.80	1.10	0.69	0.31	0.41	0.45	0.39			
		7.96	7.56	5.04	0.00	0.72	9.55	21.47	25.94	5.64	0.00	0.02	0.02	0.02	0.02	0.10	0.69	0.00	12.23	33.60	24.39	7.71	12.63	9.01	5.14			
ALBANY_2_SOLAR	323834	29.50	25.22	24.25	27.65	27.14	18.54	10.88	7.29	22.35	25.65	25.63	27.59	30.80	32.61	34.94	41.14	55.30	68.87	52.27	53.29	54.86	32.90	32.15	30.28			
		0.26	0.26	0.26	0.19	0.25	0.20	0.26	0.10	-0.17	-0.39	-0.50	-0.54	-0.60	-0.67	-0.50	-0.55	-0.22	0.80	1.10	0.61	0.31	0.36	0.41	0.35			
		7.95	7.54	5.03	0.00	0.72	9.54	21.43	25.89	5.63	0.00	0.01	0.01	0.01	0.01	0.10	0.69	0.00	12.21	33.54	24.34	7.70	12.61	9.00	5.14			
ALBANY___1	23571	29.67	25.40	24.35	27.62	27.08	18.80	32.47	33.51	22.75	26.02	26.09	28.08	31.35	33.16	35.38	42.30	55.63	69.23	52.89	53.59	54.79	33.20	32.43	30.44			
		0.19	0.20	0.20	0.16	0.17	0.17	0.42	0.43	0.06	-0.03	-0.05	-0.06	-0.06	-0.13	0.00	-0.08	0.11	0.64	0.68	0.15	0.00	0.27	0.41	0.35			
		7.70	7.31	4.87	0.00	0.70	9.24	0.00	0.00	5.45	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	11.69	32.50	23.59	7.46	12.22	8.72	4.98			



ALBANY___2 23572	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.16 0.00	27.08 0.17 0.70	18.80 0.17 9.24	32.47 0.42 0.00	33.51 0.43 0.00	22.75 0.06 5.45	26.02 -0.03 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.63 0.11 0.00	69.23 0.64 11.69	52.89 0.68 32.50	53.59 0.15 23.59	54.79 0.00 7.46	33.20 0.27 12.22	32.43 0.41 8.72	30.44 0.35 4.98
ALBANY___3 23573	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.16 0.00	27.08 0.17 0.70	18.80 0.17 9.24	32.47 0.42 0.00	33.51 0.43 0.00	22.75 0.06 5.45	26.02 -0.03 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.63 0.11 0.00	69.23 0.64 11.69	52.89 0.68 32.50	53.59 0.15 23.59	54.79 0.00 7.46	33.20 0.27 12.22	32.43 0.41 8.72	30.44 0.35 4.98
ALBANY___4 23574	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.16 0.00	27.08 0.17 0.70	18.80 0.17 9.24	32.47 0.42 0.00	33.51 0.43 0.00	22.75 0.06 5.45	26.02 -0.03 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.63 0.11 0.00	69.23 0.64 11.69	52.89 0.68 32.50	53.59 0.15 23.59	54.79 0.00 7.46	33.20 0.27 12.22	32.43 0.41 8.72	30.44 0.35 4.98
ALBANY___LFGE 323615	40.13 0.56 -2.38	35.25 0.49 -2.26	30.98 0.46 -1.50	27.87 0.41 0.00	28.27 0.44 -0.21	31.12 0.39 -2.85	39.01 0.54 -6.41	41.26 0.43 -7.74	30.08 0.25 -1.68	26.20 0.16 0.00	26.25 0.10 0.00	28.28 0.14 0.00	31.54 0.13 0.00	33.39 0.10 0.00	35.61 0.25 0.18	42.64 0.26 0.00	56.14 0.61 0.00	85.41 1.52 -3.61	96.44 1.69 -10.03	85.38 1.08 -7.28	65.17 0.62 -2.30	49.60 0.68 -3.77	44.16 0.73 -2.69	37.23 0.63 -1.54
ALCOA_PA_115KV_PL-6C 55860	37.60 0.41 0.00	32.87 0.36 0.00	29.36 0.35 0.00	27.76 0.30 0.00	27.89 0.28 0.00	28.21 0.33 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.91 0.39 0.00	80.52 0.24 0.00	84.88 0.17 0.00	78.03 1.00 0.00	63.18 0.93 0.00	45.69 0.54 0.00	41.19 0.45 0.00	35.24 0.18 0.00
ALCOA_RYNLDS___DRP 24188	37.60 0.41 0.00	32.87 0.36 0.00	29.36 0.35 0.00	27.76 0.30 0.00	27.89 0.28 0.00	28.21 0.33 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.91 0.39 0.00	80.52 0.24 0.00	84.88 0.17 0.00	78.03 1.00 0.00	63.18 0.93 0.00	45.69 0.54 0.00	41.19 0.45 0.00	35.24 0.18 0.00
ALCOA___DSASP 323711	37.60 0.41 0.00	32.87 0.36 0.00	29.36 0.35 0.00	27.76 0.30 0.00	27.89 0.28 0.00	28.21 0.34 0.00	32.44 0.39 0.00	33.41 0.33 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.68 0.30 0.00	55.92 0.39 0.00	80.52 0.24 0.00	84.63 -0.08 0.00	77.72 0.69 0.00	63.24 0.99 0.00	45.69 0.54 0.00	41.19 0.45 0.00	35.24 0.18 0.00
ALLEGHENY___COGEN 23514	37.71 0.52 0.00	32.74 0.23 0.00	29.13 0.12 0.00	27.67 0.22 0.00	27.80 0.19 0.00	28.16 0.28 0.00	32.37 0.32 0.00	33.45 0.36 0.00	28.43 0.28 0.00	26.07 0.03 0.00	26.04 -0.10 0.00	27.83 -0.31 0.00	31.10 -0.31 0.00	33.23 -0.07 0.00	35.43 -0.11 0.00	42.55 0.17 0.00	55.36 -0.17 0.00	82.94 1.28 -1.38	91.86 3.82 -3.33	84.16 2.85 -4.28	63.89 1.24 -0.40	45.32 0.72 0.54	40.32 0.16 0.58	34.81 0.35 0.60
ALTAMONT_115KV_TB 2 55880	32.53 0.41 5.07	28.09 0.39 4.81	26.19 0.38 3.21	27.81 0.36 0.00	27.51 0.36 0.46	22.10 0.31 6.08	32.50 0.45 0.00	33.55 0.46 0.00	24.81 0.25 3.59	26.28 0.23 0.00	26.38 0.24 0.00	28.36 0.23 0.00	31.70 0.28 0.00	33.56 0.27 0.00	35.80 0.36 0.10	42.78 0.34 -0.05	56.13 0.61 0.00	73.80 1.20 7.68	64.60 1.27 21.39	62.20 0.69 15.52	57.84 0.50 4.91	37.65 0.54 8.04	35.65 0.65 5.74	32.35 0.56 3.27
ALTONA_WT_PWR 323606	38.49 1.30 0.00	33.61 1.11 0.00	30.03 1.02 0.00	28.36 0.90 0.00	28.47 0.86 0.00	28.85 0.98 0.00	33.24 1.19 0.00	34.17 1.09 0.00	29.16 1.01 0.00	27.03 0.99 0.00	27.27 1.12 0.00	29.60 1.46 0.00	32.92 1.51 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.28 0.89 0.00	54.80 -0.72 0.00	78.68 -1.60 0.00	82.77 -1.95 0.00	76.18 -0.85 0.00	61.81 -0.43 0.00	45.28 0.14 0.00	41.96 1.22 0.00	35.34 0.28 0.00
AMERICAN_REF_FUEL 24010	35.55 -1.64 0.00	30.30 -2.21 0.00	27.54 -1.48 0.00	26.14 -1.32 0.00	26.31 -1.30 0.00	26.57 -1.31 0.00	30.39 -1.67 0.00	30.93 -2.15 0.00	26.68 -1.46 0.00	24.79 -1.25 0.00	24.97 -1.18 0.00	26.70 -1.43 0.00	29.78 -1.63 0.00	31.73 -1.56 0.00	33.69 -1.85 0.00	39.93 -2.46 0.00	50.69 -4.83 0.00	74.71 -6.82 -1.26	81.64 -6.10 -3.03	74.45 -6.47 -3.90	56.30 -6.04 -0.09	40.36 -4.06 0.73	36.59 -3.42 0.72	32.22 -2.14 0.70
ARKWRIGHT___SUMMIT_WT_PWR 323751	35.66 -1.53 0.00	30.88 -1.62 0.00	27.59 -1.42 0.00	26.17 -1.29 0.00	26.29 -1.32 0.00	26.51 -1.37 0.00	30.39 -1.67 0.00	31.30 -1.79 0.00	27.16 -0.99 0.00	25.49 -0.55 0.00	25.80 -0.34 0.00	27.74 -0.39 0.00	31.04 -0.38 0.00	33.13 -0.17 0.00	35.33 -0.21 0.00	41.92 -0.47 0.00	53.47 -2.05 0.00	78.93 -2.65 -1.30	86.48 -1.36 -3.13	78.35 -2.70 -4.02	58.94 -3.55 -0.24	41.76 -2.76 0.63	37.53 -2.57 0.64	32.63 -1.79 0.64
ARTHUR KILL_GT_1 23520	39.63 1.71 -0.73	34.99 1.79 -0.69	31.07 1.60 -0.46	28.95 1.48 -0.01	29.15 1.46 -0.07	30.25 1.51 -0.87	33.72 1.67 0.00	34.87 1.79 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.98 1.83 0.00	30.22 2.08 0.00	33.72 2.29 -0.01	35.76 2.46 -0.01	38.43 2.59 -0.29	44.67 2.29 0.00	58.63 3.11 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	82.92 3.70 -2.20	65.68 2.74 -0.70	48.37 2.08 -1.14	43.91 2.36 -0.81	37.92 2.38 -0.47
ARTHUR_KILL_2 23512	39.55 1.63 -0.73	34.89 1.69 -0.69	30.99 1.51 -0.46	28.86 1.40 -0.01	29.06 1.38 -0.07	30.17 1.42 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.06 1.41 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.14 2.00 0.00	33.62 2.20 -0.01	35.66 2.36 -0.01	38.32 2.49 -0.29	44.46 2.08 0.00	58.41 2.89 0.00	85.86 4.49 -1.09	92.66 4.91 -3.03	82.85 3.62 -2.20	65.43 2.49 -0.70	48.14 1.85 -1.14	43.71 2.16 -0.81	37.67 2.14 -0.47
ARTHUR_KILL_3 23513	39.51 1.60 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.69 1.24 0.00	28.89 1.21 -0.06	29.88 1.14 -0.86	35.27 1.28 -1.94	36.91 1.49 -2.33	29.98 1.32 -0.51	27.53 1.48 0.00	27.74 1.60 0.00	30.00 1.86 0.00	33.55 2.14 0.00	35.56 2.27 0.00	38.28 2.45 -0.29	44.84 2.46 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	93.09 5.34 -3.03	83.30 4.08 -2.20	65.75 2.80 -0.70	48.32 2.03 -1.14	43.70 2.16 -0.81	37.56 2.03 -0.46



ARTHUR_KILL_COGEN 323718	39.63 1.71 -0.73	34.98 1.79 -0.69	31.07 1.59 -0.46	28.95 1.48 -0.01	29.15 1.46 -0.07	30.25 1.50 -0.87	35.59 1.60 -1.94	37.14 1.72 -2.34	30.15 1.49 -0.51	27.68 1.64 0.00	27.92 1.78 0.00	30.22 2.08 0.00	33.69 2.26 -0.01	35.76 2.46 -0.01	38.42 2.59 -0.29	44.59 2.20 0.00	58.63 3.11 0.00	86.11 4.74 -1.09	93.00 5.25 -3.03	83.15 3.93 -2.20	65.62 2.67 -0.70	48.27 1.98 -1.14	43.87 2.32 -0.81	37.78 2.25 -0.47
ASHOKAN____ 23654	33.32 2.01 5.88	28.81 1.88 5.58	26.95 1.65 3.72	28.36 0.90 0.00	28.60 1.52 0.53	22.27 1.45 7.05	17.87 1.67 15.85	15.68 1.75 19.15	25.25 1.27 4.16	26.41 0.36 0.00	27.10 0.97 0.02	29.16 1.04 0.02	32.56 1.16 0.02	34.04 0.77 0.02	37.53 1.99 0.00	44.21 2.59 0.76	57.69 2.16 0.00	78.42 7.23 9.08	67.86 7.96 24.81	65.41 6.39 18.01	61.16 4.61 5.70	39.08 3.25 9.33	36.85 2.77 6.66	33.58 2.31 3.80
ASTORIA_EAST_ENERGY_CC1 323581	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.19 1.45 -0.87	35.40 1.41 -1.94	37.04 1.62 -2.33	30.06 1.41 -0.50	27.62 1.59 0.01	27.86 1.73 0.01	30.13 2.00 0.01	33.70 2.29 0.01	35.75 2.46 0.01	38.45 2.63 -0.28	44.88 2.50 0.01	58.68 3.16 0.01	86.34 4.98 -1.08	93.16 5.43 -3.02	83.37 4.16 -2.19	65.80 2.86 -0.69	48.31 2.03 -1.13	44.08 2.53 -0.81	37.95 2.42 -0.47
ASTORIA_EAST_ENERGY_CC2 323582	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.19 1.45 -0.87	35.40 1.41 -1.94	37.04 1.62 -2.33	30.06 1.41 -0.50	27.62 1.59 0.01	27.86 1.73 0.01	30.13 2.00 0.01	33.70 2.29 0.01	35.75 2.46 0.01	38.45 2.63 -0.28	44.88 2.50 0.01	58.68 3.16 0.01	86.34 4.98 -1.08	93.16 5.43 -3.02	83.37 4.16 -2.19	65.80 2.86 -0.69	48.31 2.03 -1.13	44.08 2.53 -0.81	37.95 2.42 -0.47
ASTORIA_GT2_1 24094	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT2_2 24095	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT2_3 24096	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT2_4 24097	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT3_1 24098	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT3_2 24099	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT3_3 24100	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT3_4 24101	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT4_1 24102	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT4_2 24103	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT4_3 24104	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47



ASTORIA_GT4_4 24105	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.37 2.08 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT_1 23523	40.15 2.23 -0.73	35.18 1.98 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.22 1.48 -0.87	33.59 1.54 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.79 2.39 0.01	35.81 2.53 0.01	38.53 2.70 -0.29	45.05 2.67 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.46 2.17 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
ASTORIA_GT_10 24110	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.55 2.26 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT_11 24225	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.55 2.26 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT_12 24226	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.55 2.26 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT_13 24227	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.55 2.26 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA_GT_5 24106	40.15 2.23 -0.73	35.18 1.98 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.22 1.48 -0.87	33.59 1.54 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.79 2.39 0.01	35.81 2.53 0.01	38.53 2.70 -0.29	45.05 2.67 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.46 2.17 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
ASTORIA_GT_7 24107	40.15 2.23 -0.73	35.18 1.98 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.22 1.48 -0.87	33.59 1.54 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.79 2.39 0.01	35.81 2.53 0.01	38.53 2.70 -0.29	45.05 2.67 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.46 2.17 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
ASTORIA_GT_8 24108	40.15 2.23 -0.73	35.18 1.98 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.22 1.48 -0.87	33.59 1.54 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.79 2.39 0.01	35.81 2.53 0.01	38.53 2.70 -0.29	45.05 2.67 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.46 2.17 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
ASTORIA___2 24149	40.07 2.16 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.19 1.45 -0.87	35.40 1.41 -1.94	37.04 1.62 -2.33	30.06 1.41 -0.50	27.62 1.59 0.01	27.86 1.73 0.01	30.13 2.00 0.01	33.70 2.29 0.01	35.75 2.46 0.01	38.45 2.63 -0.28	44.88 2.50 0.01	58.68 3.16 0.01	86.34 4.98 -1.08	93.16 5.43 -3.02	83.37 4.16 -2.19	65.80 2.86 -0.69	48.31 2.03 -1.13	44.08 2.53 -0.81	37.95 2.42 -0.47
ASTORIA___3 23516	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.19 1.45 -0.87	35.53 1.54 -1.94	37.18 1.75 -2.34	30.18 1.52 -0.51	27.73 1.69 0.00	27.95 1.80 0.00	30.22 2.08 0.00	33.81 2.39 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.06 2.67 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.50 2.21 -1.14	44.08 2.53 -0.81	37.92 2.39 -0.47
ASTORIA___4 23517	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.55 2.26 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
ASTORIA___5 23518	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.19 1.45 -0.87	35.53 1.54 -1.94	37.18 1.75 -2.34	30.18 1.52 -0.51	27.73 1.69 0.00	27.95 1.80 0.00	30.22 2.08 0.00	33.81 2.39 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.50 2.21 -1.14	44.08 2.53 -0.81	37.92 2.39 -0.47
AST_ENERGY_2_CC3 323677	25.14 1.79 13.83	22.96 1.59 11.14	22.96 1.36 7.42	22.96 1.26 5.76	22.96 1.24 5.89	22.96 1.17 6.09	22.96 1.09 10.18	22.96 1.29 11.41	22.96 1.13 6.32	22.96 1.33 4.41	24.98 1.44 2.60	24.98 1.72 4.88	24.98 1.98 8.41	24.98 2.13 10.45	24.98 2.28 12.84	24.98 2.08 19.48	34.53 2.61 23.60	65.86 4.17 18.59	72.70 4.57 16.59	62.80 3.39 17.61	45.24 2.30 19.31	26.87 1.58 19.85	29.83 2.16 13.07	25.46 2.07 11.67
AST_ENERGY_2_CC4 323678	25.14 1.79 13.83	22.96 1.59 11.14	22.96 1.36 7.42	22.96 1.26 5.76	22.96 1.24 5.89	22.96 1.17 6.09	22.96 1.09 10.18	22.96 1.29 11.41	22.96 1.13 6.32	22.96 1.33 4.41	24.98 1.44 2.60	24.98 1.72 4.88	24.98 1.98 8.41	24.98 2.13 10.45	24.98 2.28 12.84	24.98 2.08 19.48	34.53 2.61 23.60	65.86 4.17 18.59	72.70 4.57 16.59	62.80 3.39 17.61	45.24 2.30 19.31	26.87 1.58 19.85	29.83 2.16 13.07	25.46 2.07 11.67



ATHENS_STG_1 23668	38.05 0.86 0.00	33.32 0.81 0.00	29.77 0.75 0.00	28.17 0.71 0.00	28.33 0.72 0.00	28.52 0.64 0.00	32.76 0.70 0.00	33.84 0.76 0.00	28.80 0.65 0.00	26.75 0.70 0.00	26.85 0.71 0.00	28.93 0.79 0.00	32.33 0.91 0.00	34.26 0.97 0.00	36.81 1.10 -0.17	43.53 1.14 0.00	57.08 1.55 0.00	82.93 2.65 0.00	87.42 2.71 0.00	78.95 1.93 0.00	63.61 1.37 0.00	46.28 1.13 0.00	41.92 1.18 0.00	36.11 1.05 0.00
ATHENS_STG_2 23670	38.05 0.86 0.00	33.32 0.81 0.00	29.77 0.75 0.00	28.17 0.71 0.00	28.33 0.72 0.00	28.52 0.64 0.00	32.76 0.70 0.00	33.84 0.76 0.00	28.80 0.65 0.00	26.75 0.70 0.00	26.85 0.71 0.00	28.93 0.79 0.00	32.33 0.91 0.00	34.26 0.97 0.00	36.81 1.10 -0.17	43.53 1.14 0.00	57.08 1.55 0.00	82.93 2.65 0.00	87.42 2.71 0.00	78.95 1.93 0.00	63.61 1.37 0.00	46.28 1.13 0.00	41.92 1.18 0.00	36.11 1.05 0.00
ATHENS_STG_3 23677	38.05 0.86 0.00	33.32 0.81 0.00	29.77 0.75 0.00	28.17 0.71 0.00	28.33 0.72 0.00	28.52 0.64 0.00	32.76 0.70 0.00	33.84 0.76 0.00	28.80 0.65 0.00	26.75 0.70 0.00	26.85 0.71 0.00	28.93 0.79 0.00	32.33 0.91 0.00	34.26 0.97 0.00	36.81 1.10 -0.17	43.53 1.14 0.00	57.08 1.55 0.00	82.93 2.65 0.00	87.42 2.71 0.00	78.95 1.93 0.00	63.61 1.37 0.00	46.28 1.13 0.00	41.92 1.18 0.00	36.11 1.05 0.00
AUBURN____LFGE 323710	37.08 -0.11 0.00	32.35 -0.16 0.00	28.84 -0.17 0.00	27.29 -0.16 0.00	27.47 -0.14 0.00	27.76 -0.11 0.00	31.86 -0.19 0.00	32.95 -0.13 0.00	28.09 -0.06 0.00	25.96 -0.08 0.00	25.99 -0.16 0.00	27.97 -0.17 0.00	31.26 -0.16 0.00	33.23 -0.07 0.00	35.50 -0.04 0.00	42.43 0.04 0.00	55.52 0.00 0.00	83.62 0.64 -2.70	92.66 1.44 -6.50	86.09 0.69 -8.37	65.58 0.37 -2.96	46.06 0.14 -0.78	41.01 -0.16 -0.44	35.10 -0.04 -0.07
BABYLON_RES_REC 323704	39.43 1.53 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.90 0.00	28.45 0.77 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.68 1.26 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.71 1.57 0.00	30.05 1.91 0.00	33.71 2.29 0.00	35.80 2.50 -0.01	38.54 2.70 -0.30	44.98 2.59 -0.01	58.19 2.67 0.00	84.89 3.53 -1.08	90.34 3.90 -1.72	81.61 2.85 -1.73	64.42 2.05 -0.12	47.87 1.58 -1.14	43.30 1.75 -0.81	37.45 1.93 -0.46
BALL_HILL_WT_PWR 323825	35.74 -1.45 0.00	30.95 -1.56 0.00	27.71 -1.31 0.00	26.28 -1.18 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.55 -1.51 0.00	31.43 -1.65 0.00	27.22 -0.93 0.00	25.39 -0.65 0.00	25.59 -0.55 0.00	27.44 -0.70 0.00	30.63 -0.78 0.00	32.66 -0.63 0.00	34.79 -0.75 0.00	41.28 -1.10 0.00	52.63 -2.89 0.00	77.71 -3.85 -1.28	85.17 -2.63 -3.09	77.38 -3.62 -3.97	58.51 -3.92 -0.19	41.69 -2.80 0.66	37.62 -2.44 0.67	32.86 -1.54 0.66
BARON_WINDS____WT_PWR 323822	36.45 -0.74 0.00	31.66 -0.85 0.00	28.26 -0.75 0.00	26.80 -0.66 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	31.22 -0.83 0.00	32.19 -0.89 0.00	27.56 -0.59 0.00	25.47 -0.57 0.00	25.59 -0.55 0.00	27.46 -0.68 0.00	30.66 -0.75 0.00	32.63 -0.67 0.00	34.79 -0.75 0.00	41.41 -0.97 0.00	53.53 -2.00 0.00	79.66 -2.09 -1.47	87.66 -0.59 -3.53	79.88 -1.69 -4.55	60.84 -2.18 -0.77	43.19 -1.67 0.28	38.70 -1.67 0.36	33.54 -1.09 0.44
BARRETT_IC_1 23704	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_10 23701	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_11 23702	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_12 23703	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_2 23705	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_3 23706	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_4 23707	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_5 23708	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46



BARRETT_IC_6 23709	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_7 23710	39.21 1.30 -0.72	34.46 1.27 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	33.02 0.96 0.00	34.08 0.99 0.00	29.53 0.87 -0.51	27.08 1.04 0.00	27.69 1.54 0.00	29.97 1.83 0.00	33.61 2.20 0.00	35.57 2.26 -0.01	38.22 2.38 -0.30	44.77 2.37 -0.01	57.97 2.44 0.00	84.65 3.29 -1.08	89.72 3.47 -1.53	81.53 2.31 -2.19	64.93 1.99 -0.69	47.78 1.49 -1.14	43.39 1.83 -0.81	37.35 1.82 -0.46
BARRETT_IC_8 23711	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT_IC_9 23700	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT___1 23545	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BARRETT___2 23546	39.21 1.30 -0.72	34.42 1.23 -0.68	30.54 1.07 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.55 1.13 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.58 2.17 0.00	35.57 2.27 -0.01	38.22 2.38 -0.30	44.72 2.33 -0.01	57.96 2.44 0.00	84.49 3.13 -1.08	89.72 3.47 -1.53	81.61 2.39 -2.19	64.87 1.93 -0.69	47.73 1.44 -1.14	43.10 1.55 -0.81	37.28 1.75 -0.46
BATAVIA__115KV_TB1 55881	36.48 -0.71 0.00	31.57 -0.94 0.00	28.23 -0.78 0.00	26.85 -0.60 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	30.90 -1.15 0.00	31.79 -1.29 0.00	27.47 -0.68 0.00	25.60 -0.44 0.00	25.54 -0.60 0.00	27.52 -0.62 0.00	30.63 -0.79 0.00	32.79 -0.50 0.00	34.79 -0.75 0.00	41.28 -1.10 0.00	52.86 -2.67 0.00	78.40 -3.13 -1.25	85.78 -1.95 -3.01	77.21 -3.70 -3.88	59.41 -2.86 -0.03	42.16 -2.21 0.78	37.86 -2.12 0.76	33.10 -1.23 0.73
BAYONEEC___CTG1 323682	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG10 323750	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG2 323683	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG3 323684	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG4 323685	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG5 323686	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG6 323687	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG7 323688	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46



BAYONEEC___CTG8 323689	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BAYONEEC___CTG9 323749	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.85 3.33 0.00	86.59 5.22 -1.09	93.51 5.76 -3.03	83.61 4.39 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	43.91 2.36 -0.81	37.70 2.17 -0.46
BEACON___LESR 323632	22.73 0.67 15.13	18.74 0.59 14.35	19.99 0.55 9.57	27.95 0.49 0.00	26.77 0.52 1.37	10.20 0.47 18.15	-8.08 0.64 40.78	-15.63 0.56 49.27	17.75 0.31 10.71	26.25 0.21 0.00	26.28 0.13 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.43 0.13 0.00	35.65 0.28 0.17	42.69 0.34 0.04	56.36 0.83 0.00	59.16 1.85 22.97	22.99 2.12 63.84	32.15 1.46 46.33	48.53 0.94 14.65	22.01 0.86 23.99	24.51 0.90 17.12	26.06 0.77 9.77
BEAVER RIVER___HYD 24048	37.93 0.74 0.00	33.19 0.68 0.00	29.51 0.49 0.00	27.81 0.36 0.00	27.91 0.30 0.00	28.07 0.20 0.00	32.31 0.26 0.00	33.38 0.30 0.00	28.18 0.03 0.00	25.76 -0.29 0.00	25.99 -0.16 0.00	28.03 -0.11 0.00	31.38 -0.03 0.00	33.19 -0.10 0.00	35.36 -0.18 0.00	42.47 0.08 0.00	55.86 0.34 0.00	83.37 1.76 -1.32	90.44 2.54 -3.19	83.52 2.39 -4.10	65.13 1.43 -1.45	46.52 0.99 -0.38	41.48 0.53 -0.21	35.27 0.18 -0.03
BEEBEE_GT_13 23619	36.48 -0.71 0.00	31.70 -0.81 0.00	28.29 -0.73 0.00	26.88 -0.58 0.00	26.97 -0.64 0.00	27.29 -0.59 0.00	31.16 -0.90 0.00	32.22 -0.86 0.00	27.70 -0.45 0.00	25.76 -0.29 0.00	25.78 -0.37 0.00	27.74 -0.39 0.00	30.97 -0.44 0.00	33.03 -0.27 0.00	35.08 -0.46 0.00	41.83 -0.55 0.00	54.14 -1.39 0.00	79.97 -1.53 -1.21	87.05 -0.59 -2.92	79.02 -1.77 -3.77	60.74 -1.37 0.14	43.12 -1.13 0.90	38.69 -1.18 0.86	33.52 -0.74 0.81
BENSHRST_27_KV_BENSHRST_1 355998	39.89 1.97 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	29.00 1.54 -0.01	29.20 1.52 -0.07	30.25 1.51 -0.87	33.72 1.67 0.00	34.90 1.82 0.00	30.26 1.60 -0.51	27.76 1.72 0.00	28.05 1.91 0.00	30.31 2.17 0.00	33.90 2.48 -0.01	35.93 2.63 -0.01	38.67 2.84 -0.29	45.14 2.75 0.00	59.08 3.55 0.00	86.91 5.54 -1.09	93.76 6.01 -3.03	83.69 4.47 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
BETHLEHEM___GRP 23843	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.16 0.00	27.08 0.17 0.70	18.80 0.17 9.24	32.47 0.42 0.00	33.51 0.43 0.00	22.75 0.06 5.45	26.02 -0.03 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.63 0.11 0.00	69.23 0.64 11.69	52.89 0.68 32.50	53.59 0.15 23.59	54.79 0.00 7.46	33.20 0.27 12.22	32.43 0.41 8.72	30.44 0.35 4.98
BETHLEHEM___GS1 323560	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.17 0.00	27.08 0.17 0.70	18.78 0.14 9.24	11.55 0.26 20.76	8.20 0.20 25.08	22.72 0.03 5.45	26.02 -0.03 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.58 0.06 0.00	69.23 0.64 11.69	52.89 0.67 32.50	53.67 0.23 23.59	54.79 0.00 7.46	33.16 0.23 12.22	32.35 0.32 8.72	30.40 0.31 4.98
BETHLEHEM___GS2 323561	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.17 0.00	27.08 0.17 0.70	18.78 0.14 9.24	11.55 0.26 20.76	8.20 0.20 25.08	22.72 0.03 5.45	26.02 -0.03 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.58 0.06 0.00	69.23 0.64 11.69	52.89 0.67 32.50	53.67 0.23 23.59	54.79 0.00 7.46	33.16 0.23 12.22	32.35 0.32 8.72	30.40 0.31 4.98
BETHLEHEM___GS3 323562	29.67 0.19 7.70	25.40 0.20 7.31	24.35 0.20 4.87	27.62 0.17 0.00	27.08 0.17 0.70	18.78 0.14 9.24	11.55 0.26 20.76	8.20 0.20 25.08	22.72 0.03 5.45	26.02 -0.03 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.16 -0.13 0.00	35.38 0.00 0.16	42.30 -0.08 0.00	55.58 0.06 0.00	69.23 0.64 11.69	52.89 0.67 32.50	53.67 0.23 23.59	54.79 0.00 7.46	33.16 0.23 12.22	32.35 0.32 8.72	30.40 0.31 4.98
BETHLEHEM___STEEL 23779	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.10 -1.98 0.00	27.08 -1.07 0.00	25.37 -0.68 0.00	25.36 -0.78 0.00	27.38 -0.76 0.00	30.44 -0.97 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	40.99 -1.40 0.00	52.14 -3.39 0.00	77.15 -4.42 -1.28	84.41 -3.39 -3.09	75.61 -5.39 -3.98	58.26 -4.17 -0.19	41.32 -3.16 0.67	37.25 -2.81 0.67	32.72 -1.68 0.66
BETHLHEM_115KV_TB1 79974	30.15 0.26 7.30	25.84 0.26 6.93	24.66 0.26 4.62	27.68 0.22 0.00	27.17 0.22 0.66	19.31 0.20 8.76	32.47 0.42 0.00	33.51 0.43 0.00	23.09 0.11 5.17	26.09 0.05 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.45 0.03 0.00	33.26 -0.03 0.00	35.46 0.07 0.15	42.43 0.04 0.00	55.75 0.22 0.00	70.00 0.80 11.08	54.76 0.85 30.80	54.98 0.31 22.36	55.30 0.12 7.07	33.93 0.36 11.58	32.96 0.49 8.26	30.77 0.42 4.72
BETHPAGE_CC_5 323564	39.13 1.23 -0.72	34.26 1.07 -0.68	30.46 0.99 -0.45	28.25 0.80 0.00	28.37 0.69 -0.06	29.35 0.61 -0.86	34.60 0.61 -1.94	36.48 1.06 -2.34	29.42 0.76 -0.51	27.06 1.01 0.00	27.61 1.46 0.00	29.97 1.83 0.00	33.49 2.07 0.00	35.53 2.23 -0.01	38.26 2.42 -0.30	44.68 2.29 -0.01	57.85 2.33 0.00	84.58 3.21 -1.08	90.09 3.56 -1.82	81.63 2.46 -2.14	64.62 1.74 -0.63	47.60 1.31 -1.14	43.02 1.46 -0.81	37.18 1.65 -0.46
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	35.81 -1.38 0.00	31.01 -1.50 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.13 -1.95 0.00	27.11 -1.04 0.00	25.39 -0.65 0.00	25.41 -0.73 0.00	27.41 -0.73 0.00	30.50 -0.91 0.00	32.66 -0.63 0.00	34.76 -0.78 0.00	41.07 -1.31 0.00	52.30 -3.22 0.00	77.39 -4.17 -1.29	84.68 -3.13 -3.10	75.85 -5.16 -3.99	58.40 -4.05 -0.20	41.38 -3.12 0.66	37.30 -2.77 0.66	32.72 -1.68 0.66
BINGHAMTON___COGEN 23790	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.58 -0.03 0.00	27.82 -0.06 0.00	31.83 -0.22 0.00	32.92 -0.17 0.00	28.12 -0.03 0.00	26.07 0.03 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.41 0.00 0.00	33.36 0.07 0.00	35.69 0.11 -0.05	42.47 0.08 0.00	55.47 -0.06 0.00	82.30 0.48 -1.54	89.53 1.10 -3.71	81.96 0.15 -4.78	63.59 0.00 -1.34	45.25 -0.05 -0.15	40.57 -0.16 0.00	34.90 0.00 0.16



BIXINCNT_115KV_LOAD 355685	35.74 -1.45 0.00	30.95 -1.56 0.00	27.65 -1.36 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.65 -1.23 0.00	30.13 -1.92 0.00	31.10 -1.98 0.00	27.08 -1.07 0.00	25.42 -0.63 0.00	25.47 -0.68 0.00	27.49 -0.65 0.00	30.60 -0.82 0.00	32.76 -0.53 0.00	34.90 -0.64 0.00	41.28 -1.10 0.00	52.69 -2.83 0.00	78.06 -3.53 -1.31	85.58 -2.29 -3.15	76.54 -4.54 -4.06	58.66 -3.86 -0.28	41.34 -3.21 0.61	37.10 -3.01 0.62	32.44 -2.00 0.63
BLACK RIVER___HYD 24047	38.16 0.97 0.00	33.39 0.88 0.00	29.71 0.70 0.00	28.00 0.55 0.00	28.13 0.52 0.00	28.35 0.47 0.00	32.66 0.61 0.00	33.78 0.70 0.00	28.43 0.28 0.00	25.94 -0.10 0.00	26.09 -0.05 0.00	28.11 -0.03 0.00	31.51 0.09 0.00	33.33 0.03 0.00	35.54 0.00 0.00	42.72 0.34 0.00	56.30 0.78 0.00	85.29 2.89 -2.12	93.98 4.15 -5.12	87.46 3.85 -6.59	67.13 2.55 -2.33	47.48 1.72 -0.61	42.10 1.02 -0.34	35.71 0.60 -0.05
BLACKRVR_115KV_TB2 79977	38.16 0.97 0.00	33.39 0.88 0.00	29.71 0.70 0.00	28.01 0.55 0.00	28.13 0.52 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.61 0.53 0.00	28.40 0.25 0.00	25.94 -0.10 0.00	26.09 -0.05 0.00	28.11 -0.03 0.00	31.48 0.06 0.00	33.33 0.03 0.00	35.54 0.00 0.00	42.72 0.34 0.00	56.30 0.78 0.00	85.29 2.89 -2.12	93.98 4.15 -5.12	87.31 3.70 -6.59	67.13 2.55 -2.33	47.48 1.72 -0.61	42.10 1.02 -0.34	35.71 0.60 -0.05
BLDWN_LI_69_KV_BK4 356085	39.43 1.52 -0.72	34.56 1.37 -0.68	30.63 1.16 -0.45	28.42 0.96 0.00	28.56 0.88 -0.06	29.52 0.78 -0.86	33.11 1.06 0.00	34.21 1.12 0.00	29.61 0.96 -0.51	27.19 1.15 0.00	27.79 1.65 0.00	30.11 1.97 0.00	33.77 2.36 0.00	35.77 2.46 -0.01	38.51 2.67 -0.30	45.15 2.75 -0.01	58.47 2.94 0.00	85.14 3.77 -1.08	90.76 4.07 -1.98	82.05 2.85 -2.18	65.41 2.49 -0.67	48.14 1.85 -1.14	43.71 2.16 -0.81	37.56 2.03 -0.46
BLISS_WT_PWR 323608	35.74 -1.45 0.00	30.92 -1.59 0.00	27.62 -1.39 0.00	26.19 -1.26 0.00	26.34 -1.27 0.00	26.65 -1.23 0.00	30.52 -1.54 0.00	31.43 -1.65 0.00	27.22 -0.93 0.00	25.39 -0.65 0.00	25.62 -0.52 0.00	27.49 -0.65 0.00	30.69 -0.72 0.00	32.79 -0.50 0.00	34.94 -0.60 0.00	41.49 -0.89 0.00	52.91 -2.61 0.00	78.22 -3.37 -1.31	85.83 -2.03 -3.15	77.92 -3.16 -4.06	58.60 -3.92 -0.28	41.47 -3.07 0.61	37.26 -2.85 0.62	32.51 -1.93 0.63
BLUESTONE___WT_PWR 323821	38.45 1.27 0.00	33.65 1.14 0.00	30.03 1.02 0.00	28.39 0.93 0.00	28.58 0.97 0.00	28.82 0.95 0.00	33.14 1.09 0.00	34.34 1.26 0.00	29.05 0.90 0.00	26.61 0.57 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.17 0.75 0.00	34.06 0.77 0.00	36.37 0.78 -0.05	43.65 1.27 0.00	57.41 1.89 0.00	86.02 4.41 -1.33	93.60 5.68 -3.21	85.85 4.70 -4.13	66.88 3.17 -1.46	47.66 2.12 -0.39	42.50 1.55 -0.22	36.32 1.23 -0.03
BLUE_CIRC_CHEM_DRP 24182	29.52 -0.07 7.59	25.27 -0.03 7.21	24.21 0.00 4.80	27.43 -0.03 0.00	26.92 0.00 0.69	18.71 -0.06 9.11	32.09 0.03 0.00	33.05 -0.03 0.00	22.49 -0.28 5.38	25.63 -0.42 0.00	25.66 -0.47 0.01	27.62 -0.51 0.01	30.83 -0.57 0.01	32.61 -0.67 0.01	34.90 -0.53 0.10	41.09 -0.64 0.66	55.02 -0.50 0.00	68.62 0.00 11.66	52.84 0.17 32.05	53.46 -0.31 23.26	54.58 -0.31 7.36	33.06 -0.05 12.04	32.22 0.08 8.60	30.23 0.07 4.91
BOC_GAS_DRP 24189	32.49 0.37 5.07	28.09 0.39 4.81	26.16 0.35 3.21	27.79 0.33 0.00	27.48 0.33 0.46	22.08 0.28 6.08	32.47 0.42 0.00	33.55 0.46 0.00	24.81 0.25 3.59	26.28 0.23 0.00	26.38 0.24 0.00	28.36 0.23 0.00	31.67 0.25 0.00	33.53 0.23 0.00	35.76 0.32 0.10	42.78 0.34 -0.05	56.08 0.56 0.00	73.72 1.12 7.68	64.51 1.19 21.39	62.12 0.62 15.52	57.77 0.44 4.91	37.61 0.50 8.04	35.61 0.61 5.74	32.31 0.53 3.27
BOONVILLE_115KV_TB1 79983	37.90 0.71 0.00	33.16 0.65 0.00	29.51 0.49 0.00	27.87 0.41 0.00	28.00 0.39 0.00	28.18 0.31 0.00	32.41 0.35 0.00	33.45 0.36 0.00	28.35 0.20 0.00	26.04 0.00 0.00	26.20 0.05 0.00	28.22 0.08 0.00	31.60 0.19 0.00	33.46 0.17 0.00	35.68 0.14 0.00	42.81 0.42 0.00	56.25 0.72 0.00	83.14 2.09 -0.77	89.29 2.71 -1.87	81.66 2.23 -2.40	64.53 1.43 -0.85	46.32 0.95 -0.22	41.48 0.61 -0.13	35.47 0.39 -0.02
BORALEX_4TH_BRANCH 23824	46.24 1.82 -7.23	40.99 1.63 -6.86	35.04 1.45 -4.57	28.77 1.32 0.00	29.64 1.38 -0.65	37.91 1.37 -8.67	33.75 1.70 0.00	34.87 1.79 0.00	34.67 1.41 -5.12	27.27 1.22 0.00	27.27 1.12 0.00	29.32 1.18 0.00	32.67 1.26 0.00	34.52 1.23 0.00	36.44 1.35 0.45	44.16 1.78 0.00	58.08 2.55 0.00	95.58 4.34 -10.97	119.86 4.66 -30.49	102.69 3.54 -22.13	71.98 2.74 -7.00	58.87 2.26 -11.46	51.12 2.20 -8.18	41.66 1.93 -4.67
BOWLINE___1 23526	39.17 1.30 -0.68	34.45 1.30 -0.64	30.57 1.13 -0.43	28.50 1.04 0.00	28.69 1.02 -0.06	29.66 0.98 -0.81	34.93 1.06 -1.82	36.54 1.26 -2.20	29.70 1.07 -0.48	27.24 1.20 0.00	27.43 1.28 0.00	29.60 1.46 0.00	33.08 1.66 0.00	35.09 1.80 0.00	37.81 1.99 -0.28	44.42 2.03 0.00	58.19 2.67 0.00	85.64 4.33 -1.03	92.31 4.74 -2.85	82.72 3.62 -2.07	65.39 2.49 -0.65	48.07 1.85 -1.07	43.38 1.87 -0.77	37.18 1.68 -0.44
BOWLINE___2 23595	39.17 1.30 -0.68	34.45 1.30 -0.64	30.57 1.13 -0.43	28.50 1.04 0.00	28.69 1.02 -0.06	29.66 0.98 -0.81	34.93 1.06 -1.82	36.54 1.26 -2.20	29.70 1.07 -0.48	27.24 1.20 0.00	27.43 1.28 0.00	29.60 1.46 0.00	33.08 1.66 0.00	35.09 1.80 0.00	37.81 1.99 -0.28	44.42 2.03 0.00	58.19 2.67 0.00	85.64 4.33 -1.03	92.31 4.74 -2.85	82.64 3.55 -2.07	65.33 2.43 -0.65	48.07 1.85 -1.07	43.38 1.87 -0.77	37.18 1.68 -0.44
BRADY___115KV_TB2 356060	37.90 0.71 0.00	33.16 0.65 0.00	29.62 0.61 0.00	27.98 0.52 0.00	28.11 0.50 0.00	28.43 0.56 0.00	32.73 0.67 0.00	33.61 0.53 0.00	28.54 0.39 0.00	26.30 0.26 0.00	26.48 0.34 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.73 0.43 0.00	35.82 0.28 0.00	42.85 0.47 0.00	56.13 0.61 0.00	81.24 0.96 0.00	85.90 1.19 0.00	79.10 2.08 0.00	63.93 1.68 0.00	46.23 1.08 0.00	41.55 0.81 0.00	35.48 0.42 0.00
BRANSCOMB___SOLAR 323811	44.31 1.41 -5.71	39.16 1.23 -5.42	33.76 1.13 -3.61	28.56 1.10 0.00	29.26 1.13 -0.52	35.79 1.06 -6.85	48.64 1.19 -15.40	52.78 1.09 -18.60	32.92 0.73 -4.04	26.51 0.47 0.00	26.41 0.26 0.00	28.42 0.28 0.00	31.66 0.25 0.00	33.56 0.27 0.00	35.78 0.46 0.22	43.10 0.72 0.00	57.25 1.72 0.00	92.40 3.45 -8.67	112.97 4.15 -24.10	97.99 3.47 -17.49	70.20 2.43 -5.53	55.97 1.76 -9.06	48.87 1.67 -6.47	40.16 1.40 -3.69
BRDGHMPT_69_KV_BK1 55812	39.54 1.64 -0.72	34.52 1.33 -0.68	30.57 1.10 -0.45	28.36 0.91 0.00	28.45 0.77 -0.06	29.44 0.70 -0.86	33.24 1.19 0.00	34.41 1.32 0.00	29.64 0.99 -0.51	27.21 1.17 0.00	28.03 1.88 0.00	30.36 2.22 0.00	34.12 2.70 0.00	36.40 3.10 -0.01	39.07 3.23 -0.30	45.66 3.26 -0.01	58.58 3.05 0.00	85.46 4.09 -1.08	90.35 4.32 -1.32	72.41 2.85 7.46	52.81 1.87 11.30	47.87 1.58 -1.14	43.63 2.08 -0.81	37.49 1.96 -0.46



BRENTWOD_69_KV_W. BRTWOOD 56703	39.84 1.93 -0.72	34.82 1.63 -0.68	30.83 1.36 -0.45	28.58 1.13 0.00	28.70 1.02 -0.06	29.63 0.89 -0.86	33.30 1.25 0.00	34.44 1.36 0.00	29.73 1.07 -0.51	27.29 1.25 0.00	27.98 1.83 0.00	30.33 2.19 0.00	34.08 2.67 0.00	36.23 2.93 -0.01	39.00 3.16 -0.30	45.49 3.09 -0.01	58.63 3.11 0.00	84.73 3.37 -1.08	89.63 3.30 -1.61	80.70 2.54 -1.13	63.93 2.30 0.62	48.23 1.94 -1.14	44.04 2.49 -0.81	37.88 2.35 -0.46
BRISTLHL_115KV_TB1 79998	36.59 -0.60 0.00	31.96 -0.55 0.00	28.52 -0.49 0.00	26.99 -0.47 0.00	27.14 -0.47 0.00	27.46 -0.42 0.00	31.51 -0.54 0.00	32.59 -0.50 0.00	27.75 -0.39 0.00	25.65 -0.39 0.00	25.73 -0.42 0.00	27.66 -0.48 0.00	30.88 -0.53 0.00	32.79 -0.50 0.00	35.01 -0.53 0.00	41.83 -0.55 0.00	54.75 -0.78 0.00	84.00 -0.72 -4.44	95.07 -0.34 -10.70	90.10 -0.69 -13.77	67.42 -0.68 -5.86	46.73 -0.54 -2.12	41.48 -0.69 -1.43	35.25 -0.49 -0.68
BROOKHAVEN___DRP 24191	39.10 1.19 -0.72	34.17 0.98 -0.68	30.22 0.75 -0.45	28.01 0.55 0.00	28.12 0.44 -0.06	29.07 0.33 -0.86	32.79 0.74 0.00	33.91 0.83 0.00	29.22 0.56 -0.51	26.82 0.78 0.00	27.56 1.41 0.00	29.83 1.69 0.00	33.49 2.07 0.00	35.63 2.33 -0.01	38.26 2.42 -0.30	44.64 2.25 -0.01	57.30 1.78 0.00	83.61 2.25 -1.08	88.40 2.37 -1.31	70.86 1.31 7.47	51.74 0.81 11.31	47.15 0.86 -1.14	43.14 1.59 -0.81	37.03 1.51 -0.46
BROOKLYN_NAVY_YARD 23515	39.69 1.79 -0.72	34.88 1.69 -0.68	30.95 1.48 -0.45	28.80 1.35 0.00	29.00 1.33 -0.06	30.02 1.28 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.87 1.73 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.72 2.43 0.00	38.50 2.67 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.75 5.38 -1.09	93.59 5.84 -3.03	83.77 4.54 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	43.95 2.40 -0.81	37.70 2.17 -0.46
BROOKLYN___ARMY_DRP 323595	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
BROOME_2_LFGE 323671	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.58 -0.03 0.00	27.82 -0.06 0.00	31.93 -0.13 0.00	33.02 -0.07 0.00	28.15 0.00 0.00	26.07 0.03 0.00	26.17 0.03 0.00	28.14 0.00 0.00	31.41 0.00 0.00	33.36 0.07 0.00	35.69 0.11 -0.05	42.51 0.13 0.00	55.47 -0.06 0.00	82.31 0.48 -1.54	89.53 1.10 -3.71	82.35 0.54 -4.78	63.53 -0.06 -1.34	45.25 -0.05 -0.15	40.61 -0.12 0.00	34.90 0.00 0.16
BROOME___LFGE 323600	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.58 -0.03 0.00	27.82 -0.06 0.00	31.93 -0.13 0.00	33.02 -0.07 0.00	28.15 0.00 0.00	26.07 0.03 0.00	26.17 0.03 0.00	28.14 0.00 0.00	31.41 0.00 0.00	33.36 0.07 0.00	35.69 0.11 -0.05	42.51 0.13 0.00	55.47 -0.06 0.00	82.31 0.48 -1.54	89.53 1.10 -3.71	82.35 0.54 -4.78	63.53 -0.06 -1.34	45.25 -0.05 -0.15	40.61 -0.12 0.00	34.90 0.00 0.16
BROWNFLS_115KV_TB_3_5 80003	37.86 0.67 0.00	33.13 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.53 1.61 -2.21	81.79 1.93 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
BROWNSV1_27_KV_LOAD 356125	39.99 2.08 -0.72	35.14 1.95 -0.68	31.15 1.68 -0.45	28.99 1.54 0.00	29.19 1.52 -0.06	30.22 1.48 -0.86	33.79 1.73 0.00	35.00 1.92 0.00	30.35 1.69 -0.51	27.84 1.80 0.00	28.11 1.96 0.00	30.33 2.19 0.00	33.96 2.54 0.00	35.99 2.70 0.00	38.75 2.91 -0.29	45.48 3.09 0.00	59.41 3.89 0.00	87.47 6.10 -1.09	94.35 6.61 -3.03	84.23 5.01 -2.20	66.68 3.73 -0.70	49.00 2.71 -1.14	44.36 2.81 -0.81	38.05 2.52 -0.46
BURROWS___LYONSDAL 23803	37.90 0.71 0.00	33.16 0.65 0.00	29.51 0.49 0.00	27.81 0.36 0.00	27.94 0.33 0.00	28.10 0.22 0.00	32.34 0.29 0.00	33.35 0.26 0.00	28.26 0.11 0.00	25.94 -0.10 0.00	26.12 -0.03 0.00	28.14 0.00 0.00	31.51 0.09 0.00	33.36 0.07 0.00	35.57 0.04 0.00	42.68 0.30 0.00	56.13 0.61 0.00	83.09 1.93 -0.88	89.47 2.63 -2.13	81.92 2.16 -2.74	64.58 1.37 -0.97	46.31 0.90 -0.26	41.41 0.53 -0.14	35.37 0.28 -0.02
CAITHNESS_CC_1 323624	39.10 1.19 -0.72	34.13 0.94 -0.68	30.22 0.75 -0.45	28.03 0.58 0.00	28.12 0.44 -0.06	29.07 0.34 -0.86	34.34 0.35 -1.94	36.58 1.16 -2.34	29.19 0.53 -0.51	26.82 0.78 0.00	27.50 1.36 0.00	29.83 1.69 0.00	33.45 2.04 0.00	35.63 2.33 -0.01	38.26 2.42 -0.30	44.55 2.16 -0.01	57.25 1.72 0.00	83.37 2.01 -1.08	88.32 2.29 -1.31	70.85 1.31 7.48	51.67 0.75 11.32	47.05 0.77 -1.14	42.73 1.18 -0.81	36.97 1.44 -0.46
CALPINE BETH_PAGE_GT4 24209	39.10 1.19 -0.72	34.23 1.04 -0.68	30.46 0.99 -0.45	28.25 0.80 0.00	28.39 0.72 -0.06	29.35 0.61 -0.86	32.89 0.83 0.00	34.01 0.93 0.00	29.45 0.79 -0.51	27.03 0.99 0.00	27.66 1.52 0.00	29.94 1.80 0.00	33.46 2.04 0.00	35.47 2.16 -0.01	38.22 2.38 -0.30	44.73 2.33 -0.01	57.86 2.33 0.00	84.66 3.29 -1.08	90.19 3.56 -1.92	81.57 2.39 -2.16	64.64 1.74 -0.66	47.69 1.40 -1.14	43.34 1.79 -0.81	37.21 1.68 -0.46
CALPINE_BETH_PAGE_GT_4 323586	39.10 1.19 -0.72	34.23 1.04 -0.68	30.46 0.99 -0.45	28.28 0.82 0.00	28.39 0.72 -0.06	29.35 0.61 -0.86	34.63 0.64 -1.94	36.51 1.09 -2.34	29.42 0.76 -0.51	27.03 0.99 0.00	27.61 1.46 0.00	29.94 1.80 0.00	33.43 2.01 0.00	35.47 2.16 -0.01	38.22 2.38 -0.30	44.68 2.29 -0.01	57.85 2.33 0.00	84.58 3.21 -1.08	90.19 3.56 -1.92	81.65 2.46 -2.16	64.64 1.74 -0.66	47.60 1.31 -1.14	43.02 1.46 -0.81	37.14 1.61 -0.46
CALPINE_BP_GT1 23823	39.10 1.19 -0.72	34.23 1.04 -0.68	30.46 0.99 -0.45	28.28 0.82 0.00	28.39 0.72 -0.06	29.35 0.61 -0.86	34.63 0.64 -1.94	36.51 1.09 -2.34	29.42 0.76 -0.51	27.03 0.99 0.00	27.61 1.46 0.00	29.94 1.80 0.00	33.43 2.01 0.00	35.47 2.16 -0.01	38.22 2.38 -0.30	44.68 2.29 -0.01	57.85 2.33 0.00	84.58 3.21 -1.08	90.19 3.56 -1.92	81.65 2.46 -2.16	64.64 1.74 -0.66	47.60 1.31 -1.14	43.02 1.46 -0.81	37.14 1.61 -0.46
CALSPAN___DRP 24200	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.10 -1.98 0.00	27.08 -1.07 0.00	25.37 -0.68 0.00	25.36 -0.78 0.00	27.38 -0.76 0.00	30.44 -0.97 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	40.99 -1.40 0.00	52.14 -3.39 0.00	77.15 -4.42 -1.28	84.41 -3.39 -3.09	75.61 -5.39 -3.98	58.26 -4.17 -0.19	41.32 -3.16 0.67	37.25 -2.81 0.67	32.72 -1.68 0.66



CALVERTON___SOLAR 323806	39.13 1.23 -0.72	34.16 0.97 -0.68	30.25 0.78 -0.45	28.06 0.60 0.00	28.14 0.47 -0.06	29.10 0.36 -0.86	34.38 0.39 -1.94	36.68 1.26 -2.34	29.22 0.56 -0.51	26.85 0.81 0.00	27.53 1.38 0.00	29.86 1.72 0.00	33.52 2.11 0.00	35.70 2.40 -0.01	38.33 2.49 -0.30	44.68 2.29 -0.01	57.41 1.89 0.00	83.69 2.33 -1.08	88.66 2.63 -1.31	71.17 1.62 7.48	51.80 0.87 11.31	47.14 0.86 -1.14	42.77 1.22 -0.81	37.00 1.47 -0.46
CANDIGU_WT_PWR 323617	36.45 -0.74 0.00	31.66 -0.85 0.00	28.26 -0.75 0.00	26.80 -0.66 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	31.22 -0.83 0.00	32.19 -0.89 0.00	27.56 -0.59 0.00	25.47 -0.57 0.00	25.59 -0.55 0.00	27.46 -0.68 0.00	30.66 -0.75 0.00	32.63 -0.67 0.00	34.79 -0.75 0.00	41.41 -0.97 0.00	53.53 -2.00 0.00	79.66 -2.09 -1.47	87.66 -0.59 -3.53	79.88 -1.69 -4.55	60.84 -2.18 -0.77	43.19 -1.67 0.28	38.70 -1.67 0.36	33.54 -1.09 0.44
CARR STREET_E_SYR 24060	36.82 -0.37 0.00	32.15 -0.36 0.00	28.67 -0.35 0.00	27.13 -0.33 0.00	27.31 -0.30 0.00	27.60 -0.28 0.00	31.73 -0.32 0.00	32.78 -0.30 0.00	27.89 -0.25 0.00	25.81 -0.23 0.00	25.88 -0.26 0.00	27.83 -0.31 0.00	31.10 -0.31 0.00	32.99 -0.30 0.00	35.25 -0.29 0.00	42.00 -0.38 0.00	54.97 -0.56 0.00	82.06 -0.40 -2.18	89.96 0.00 -5.25	83.55 -0.23 -6.76	63.53 -0.50 -1.79	44.86 -0.41 -0.12	40.13 -0.53 0.08	34.49 -0.28 0.29
CARTHAGE___PAPER 23857	38.05 0.86 0.00	33.29 0.78 0.00	29.63 0.61 0.00	27.89 0.44 0.00	28.02 0.41 0.00	28.21 0.34 0.00	32.47 0.42 0.00	33.58 0.50 0.00	28.29 0.14 0.00	25.86 -0.18 0.00	26.04 -0.10 0.00	28.08 -0.06 0.00	31.41 0.00 0.00	33.26 -0.03 0.00	35.43 -0.11 0.00	42.60 0.21 0.00	56.08 0.56 0.00	84.34 2.24 -1.81	92.38 3.30 -4.37	85.73 3.08 -5.63	66.29 2.05 -1.99	47.03 1.35 -0.52	41.81 0.77 -0.29	35.50 0.39 -0.05
CASSADAGA_WT_PWR 323784	35.78 -1.41 0.00	30.98 -1.53 0.00	27.68 -1.33 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.62 -1.25 0.00	30.48 -1.57 0.00	31.43 -1.65 0.00	27.28 -0.87 0.00	25.62 -0.42 0.00	25.93 -0.21 0.00	27.91 -0.23 0.00	31.20 -0.22 0.00	33.33 0.03 0.00	35.54 0.00 0.00	42.22 -0.17 0.00	53.86 -1.66 0.00	79.58 -2.00 -1.30	87.17 -0.68 -3.13	78.90 -2.16 -4.04	59.33 -3.17 -0.25	42.04 -2.48 0.62	37.74 -2.36 0.64	32.74 -1.68 0.64
CE_DUNWOOD___DRP 24194	39.47 1.56 -0.72	34.72 1.53 -0.68	30.77 1.31 -0.45	28.66 1.21 0.00	28.86 1.19 -0.06	29.85 1.12 -0.86	33.37 1.31 0.00	34.54 1.46 0.00	29.92 1.27 -0.51	27.42 1.38 0.00	27.66 1.52 0.00	29.83 1.69 0.00	33.36 1.95 0.00	35.36 2.06 0.00	38.11 2.27 -0.29	44.80 2.42 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	92.91 5.17 -3.03	83.07 3.85 -2.20	65.80 2.86 -0.69	48.41 2.12 -1.14	43.75 2.20 -0.81	37.49 1.96 -0.46
CE_MILLWOOD___DRP 24193	39.39 1.49 -0.71	34.65 1.46 -0.68	30.71 1.25 -0.45	28.61 1.15 0.00	28.81 1.13 -0.06	29.79 1.06 -0.86	33.30 1.25 0.00	34.47 1.39 0.00	29.86 1.21 -0.51	27.34 1.30 0.00	27.58 1.44 0.00	29.74 1.60 0.00	33.27 1.85 0.00	35.26 1.96 0.00	38.00 2.17 -0.29	44.67 2.29 0.00	58.41 2.89 0.00	86.02 4.66 -1.08	92.72 5.00 -3.01	82.91 3.70 -2.19	65.61 2.68 -0.69	48.31 2.03 -1.13	43.66 2.12 -0.81	37.42 1.89 -0.46
CE_NYC2_DRP 24202	39.92 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	28.97 1.51 -0.01	29.17 1.49 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	44.16 2.61 -0.81	37.95 2.42 -0.47
CE_NYC_DRP 24195	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.16 2.03 0.00	33.74 2.32 0.00	35.76 2.46 0.00	38.50 2.67 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
CHAFFEE___LFGE 323603	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.30 -1.15 0.00	26.48 -1.13 0.00	26.73 -1.14 0.00	30.61 -1.44 0.00	31.46 -1.62 0.00	27.25 -0.90 0.00	25.39 -0.65 0.00	25.57 -0.58 0.00	27.41 -0.73 0.00	30.60 -0.82 0.00	32.66 -0.63 0.00	34.76 -0.78 0.00	41.28 -1.10 0.00	52.58 -2.94 0.00	77.64 -3.93 -1.30	85.12 -2.71 -3.12	77.42 -3.62 -4.02	58.56 -3.92 -0.23	41.76 -2.76 0.64	37.73 -2.36 0.65	32.98 -1.44 0.65
CHATEAUG_35_KV_LOAD 355732	37.97 0.78 0.00	33.16 0.65 0.00	29.60 0.58 0.00	27.98 0.52 0.00	28.08 0.47 0.00	28.46 0.59 0.00	32.76 0.71 0.00	33.65 0.71 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.16 0.87 0.00	36.21 0.68 0.00	42.94 0.55 0.00	55.41 -0.11 0.00	79.88 -0.40 0.00	84.29 -0.42 0.00	77.64 0.62 0.00	62.68 0.44 0.00	45.51 0.36 0.00	41.43 0.69 0.00	35.10 0.04 0.00
CHATEAUG_WT_PWR 323614	37.93 0.74 0.00	33.16 0.65 0.00	29.59 0.58 0.00	27.95 0.49 0.00	28.08 0.47 0.00	28.43 0.56 0.00	32.73 0.67 0.00	33.71 0.63 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.19 0.90 0.00	36.25 0.71 0.00	42.90 0.51 0.00	55.19 -0.33 0.00	79.40 -0.88 0.00	83.53 -1.19 0.00	76.79 -0.23 0.00	62.37 0.12 0.00	45.33 0.18 0.00	41.43 0.69 0.00	35.10 0.04 0.00
CHAT_HIGH_FALL_HYD 323578	37.97 0.78 0.00	33.16 0.65 0.00	29.60 0.58 0.00	27.98 0.52 0.00	28.08 0.47 0.00	28.46 0.59 0.00	32.76 0.71 0.00	33.65 0.56 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.16 0.87 0.00	36.21 0.68 0.00	42.94 0.55 0.00	55.41 -0.11 0.00	79.88 -0.40 0.00	84.29 -0.42 0.00	77.64 0.62 0.00	62.68 0.44 0.00	45.51 0.36 0.00	41.43 0.69 0.00	35.10 0.04 0.00
CHAUTAUQUA___LFGE 323629	35.81 -1.38 0.00	31.05 -1.46 0.00	27.74 -1.28 0.00	26.33 -1.13 0.00	26.45 -1.16 0.00	26.71 -1.17 0.00	30.58 -1.47 0.00	31.50 -1.59 0.00	27.30 -0.84 0.00	25.55 -0.50 0.00	25.80 -0.34 0.00	27.69 -0.45 0.00	30.91 -0.50 0.00	32.99 -0.30 0.00	35.15 -0.39 0.00	41.75 -0.63 0.00	53.24 -2.28 0.00	78.60 -2.97 -1.29	86.21 -1.61 -3.11	78.26 -2.77 -4.00	58.98 -3.48 -0.22	41.93 -2.57 0.64	37.76 -2.32 0.66	32.90 -1.51 0.65
CHERRYST_13_KV_LD 356241	39.84 1.93 -0.72	35.04 1.85 -0.68	31.07 1.60 -0.45	28.94 1.48 0.00	29.14 1.46 -0.06	30.13 1.39 -0.86	33.69 1.63 0.00	34.90 1.82 0.00	30.26 1.60 -0.51	27.76 1.72 0.00	28.00 1.86 0.00	30.25 2.11 0.00	33.83 2.42 0.00	35.86 2.56 0.00	38.64 2.81 -0.29	45.31 2.92 0.00	59.19 3.66 0.00	87.07 5.70 -1.09	93.93 6.18 -3.03	83.85 4.62 -2.20	66.43 3.49 -0.70	48.82 2.53 -1.14	44.20 2.65 -0.81	37.91 2.38 -0.46



CHESTROR_138KV_BK263 355645	38.92 1.12 -0.61	34.23 1.14 -0.58	30.39 0.99 -0.39	28.36 0.91 0.00	28.58 0.91 -0.06	29.45 0.84 -0.73	33.02 0.96 0.00	34.14 1.06 0.00	29.48 0.90 -0.43	27.03 0.99 0.00	27.22 1.07 0.00	29.32 1.18 0.00	32.80 1.38 0.00	34.76 1.46 0.00	37.47 1.67 -0.26	44.16 1.78 0.00	57.86 2.33 0.00	85.14 3.93 -0.93	91.62 4.32 -2.58	81.98 3.08 -1.88	65.08 2.24 -0.59	47.84 1.72 -0.97	43.14 1.71 -0.69	37.00 1.54 -0.40
CH_MIDHUDSON___DRP 24192	39.18 1.38 -0.61	34.46 1.37 -0.58	30.56 1.16 -0.39	28.55 1.10 0.00	28.74 1.08 -0.06	29.62 1.00 -0.74	33.24 1.19 0.00	34.37 1.29 0.00	29.65 1.07 -0.44	27.16 1.12 0.00	27.35 1.20 0.00	29.43 1.29 0.00	32.92 1.51 0.00	34.92 1.63 0.00	37.58 1.81 -0.23	44.42 2.03 0.00	58.24 2.72 0.00	85.71 4.50 -0.93	92.05 4.74 -2.59	82.45 3.54 -1.88	65.46 2.61 -0.60	48.11 1.99 -0.97	43.43 2.00 -0.70	37.21 1.75 -0.40
CH_MISC_IPPS 23765	39.28 1.53 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	34.83 1.25 -1.53	36.32 1.39 -1.85	29.68 1.13 -0.40	27.27 1.22 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.02 -0.24	44.63 2.24 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.50 -2.39	83.07 4.31 -1.74	65.78 2.99 -0.55	48.30 2.26 -0.90	43.54 2.16 -0.64	37.29 1.86 -0.37
CH_RES_BVR_FALLS 23983	37.08 -0.11 0.00	32.38 -0.13 0.00	28.84 -0.17 0.00	27.24 -0.22 0.00	27.36 -0.25 0.00	27.62 -0.25 0.00	31.77 -0.29 0.00	32.78 -0.30 0.00	27.95 -0.20 0.00	25.91 -0.13 0.00	26.09 -0.05 0.00	28.14 0.00 0.00	31.41 0.00 -0.03	33.26 -0.03 0.00	35.47 -0.07 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	79.96 -0.32 0.00	84.12 -0.59 0.00	76.40 -0.62 0.00	61.56 -0.68 0.00	44.42 -0.72 0.00	40.01 -0.73 0.00	34.32 -0.74 0.00
CH_RES_NIAGARA 23895	34.85 -2.34 0.00	30.07 -2.44 0.00	27.01 -2.00 0.00	25.70 -1.76 0.00	25.82 -1.79 0.00	26.04 -1.84 0.00	29.33 -2.72 0.00	30.24 -2.85 0.00	26.37 -1.77 0.00	24.69 -1.35 0.00	24.65 -1.49 0.00	26.59 -1.55 0.00	29.53 -1.88 0.00	31.59 -1.70 0.00	33.55 -1.99 0.00	39.54 -2.84 0.00	50.08 -5.44 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.01	72.27 -8.63 -3.87	55.85 -6.47 -0.07	39.71 -4.70 0.74	36.01 -3.99 0.73	32.29 -2.07 0.71
CH_RES_SYRACUSE 23985	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.24 -0.22 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.86 -0.19 0.00	32.92 -0.16 0.00	28.04 -0.11 0.00	25.91 -0.13 0.00	25.99 -0.16 0.00	27.91 -0.23 0.00	31.23 -0.19 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	83.53 0.24 -3.01	92.72 0.76 -7.25	86.82 0.46 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.03 -0.10 -0.08
CLINTON_WT_PWR 323605	37.93 0.74 0.00	33.16 0.65 0.00	29.59 0.58 0.00	27.95 0.49 0.00	28.08 0.47 0.00	28.43 0.56 0.00	32.73 0.67 0.00	33.71 0.63 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.19 0.90 0.00	36.25 0.71 0.00	42.90 0.51 0.00	55.19 -0.33 0.00	79.40 -0.88 0.00	83.53 -1.19 0.00	76.79 -0.23 0.00	62.37 0.12 0.00	45.33 0.18 0.00	41.43 0.69 0.00	35.10 0.04 0.00
CLINTON___LFGE 323618	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.94 1.06 0.00	33.30 1.25 0.00	34.24 1.16 0.00	29.19 1.04 0.00	27.03 0.99 0.00	27.27 1.12 0.00	29.60 1.46 0.00	32.95 1.54 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.36 0.98 0.00	55.30 -0.22 0.00	79.64 -0.65 0.00	83.87 -0.85 0.00	77.26 0.23 0.00	62.62 0.38 0.00	45.69 0.54 0.00	42.12 1.39 0.00	35.52 0.45 0.00
COBBLENY_34_KV_TB1 80064	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.10 -1.98 0.00	27.11 -1.04 0.00	25.39 -0.65 0.00	25.39 -0.76 0.00	27.41 -0.73 0.00	30.50 -0.91 0.00	32.66 -0.63 0.00	34.76 -0.78 0.00	41.11 -1.27 0.00	52.30 -3.22 0.00	77.48 -4.09 -1.30	84.79 -3.05 -3.12	75.96 -5.08 -4.02	58.49 -3.98 -0.23	41.44 -3.07 0.64	37.36 -2.73 0.65	32.77 -1.65 0.65
COFFEEN___115KV_TB3 355620	38.31 1.12 0.00	33.52 1.01 0.00	29.83 0.81 0.00	28.11 0.66 0.00	28.24 0.64 0.00	28.49 0.61 0.00	32.76 0.71 0.00	33.74 0.66 0.00	28.51 0.37 0.00	25.99 -0.05 0.00	26.14 0.00 0.00	28.17 0.03 0.00	31.54 0.13 0.00	33.39 0.10 0.00	35.57 0.04 0.00	42.85 0.47 0.00	56.52 1.00 0.00	85.75 3.29 -2.18	94.79 4.83 -5.25	88.02 4.24 -6.76	67.62 2.99 -2.39	47.77 1.99 -0.63	42.31 1.22 -0.35	35.85 0.74 -0.06
COLDSPRG_115KV_BK1 355956	35.96 -1.23 0.00	31.18 -1.33 0.00	27.88 -1.13 0.00	26.47 -0.99 0.00	26.56 -1.05 0.00	26.82 -1.06 0.00	30.32 -1.73 0.00	31.33 -1.75 0.00	27.36 -0.79 0.00	25.78 -0.26 0.00	25.86 -0.29 0.00	27.94 -0.20 0.00	31.13 -0.28 0.00	33.33 0.03 0.00	35.57 0.04 0.00	42.13 -0.25 0.00	53.80 -1.72 0.00	79.75 -1.85 -1.32	87.38 -0.51 -3.18	78.11 -3.00 -4.09	59.88 -2.68 -0.31	42.26 -2.30 0.59	37.89 -2.24 0.61	32.97 -1.47 0.62
COLONIE_LFGE___ 323577	46.35 1.23 -7.93	41.11 1.07 -7.53	35.02 0.99 -5.02	28.39 0.93 0.00	29.29 0.97 -0.72	38.31 0.92 -9.52	54.49 1.06 -21.38	59.98 1.06 -25.84	34.55 0.79 -5.62	26.69 0.65 0.00	26.69 0.55 0.00	28.73 0.59 0.00	32.04 0.63 0.00	33.92 0.63 0.00	36.06 0.78 0.26	43.36 0.98 0.00	57.19 1.66 0.00	95.45 3.13 -12.04	121.66 3.47 -33.48	104.01 2.69 -24.29	71.86 1.93 -7.68	59.27 1.54 -12.58	51.18 1.46 -8.98	41.49 1.30 -5.13
COOPERNY_115KV_TB1 80082	38.08 0.89 0.00	33.42 0.91 0.00	29.83 0.81 0.00	28.20 0.74 0.00	28.36 0.75 0.00	28.55 0.67 0.00	32.82 0.77 0.00	33.94 0.86 0.00	28.88 0.73 0.00	26.85 0.81 0.00	27.03 0.89 0.00	29.12 0.98 0.00	32.55 1.13 0.00	34.49 1.20 0.00	37.10 1.35 -0.21	43.83 1.44 0.00	57.41 1.89 0.00	83.49 3.21 0.00	88.19 3.47 0.00	79.41 2.39 0.00	63.99 1.74 0.00	46.50 1.35 0.00	42.12 1.39 0.00	36.29 1.23 0.00
COPENHAGEN_WT_PWR 323753	38.01 0.82 0.00	33.26 0.75 0.00	29.59 0.58 0.00	27.92 0.47 0.00	28.05 0.44 0.00	28.27 0.39 0.00	32.54 0.48 0.00	33.65 0.56 0.00	28.35 0.20 0.00	25.91 -0.13 0.00	26.07 -0.08 0.00	28.05 -0.08 0.00	31.41 0.00 0.00	33.26 -0.03 0.00	35.47 -0.07 0.00	42.64 0.26 0.00	56.14 0.61 0.00	85.05 2.49 -2.28	93.92 3.72 -5.48	87.47 3.39 -7.06	66.98 2.24 -2.50	47.29 1.49 -0.66	41.96 0.86 -0.37	35.61 0.49 -0.06
CORNELL_____ 23752	37.56 0.37 0.00	32.77 0.26 0.00	29.22 0.20 0.00	27.65 0.19 0.00	27.83 0.22 0.00	28.10 0.22 0.00	32.21 0.16 0.00	33.31 0.23 0.00	28.37 0.23 0.00	26.17 0.13 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.43 0.13 0.00	35.75 0.21 0.00	42.77 0.38 0.00	56.02 0.50 0.00	83.86 1.61 -1.98	92.02 2.54 -4.76	84.77 1.62 -6.13	65.19 1.12 -1.82	46.10 0.68 -0.28	41.13 0.33 -0.07	35.30 0.39 0.15



CORONA__69_KV_TB1 355595	39.54 1.64 -0.72	34.69 1.50 -0.68	30.75 1.28 -0.45	28.53 1.07 0.00	28.67 0.99 -0.06	29.63 0.89 -0.86	33.21 1.15 0.00	34.34 1.26 0.00	29.73 1.07 -0.51	27.27 1.22 0.00	27.87 1.73 0.00	30.16 2.03 0.00	33.86 2.45 0.00	35.84 2.53 -0.02	38.58 2.74 -0.31	45.28 2.88 -0.02	58.69 3.16 0.00	86.02 4.66 -1.08	92.59 5.00 -2.87	82.91 3.70 -2.19	65.74 2.80 -0.69	48.37 2.08 -1.14	43.87 2.32 -0.81	37.67 2.14 -0.46
CORTLAND__115KV_TB3 80093	37.78 0.60 0.00	32.96 0.46 0.00	29.39 0.38 0.00	27.81 0.36 0.00	28.00 0.39 0.00	28.27 0.39 0.00	32.47 0.42 0.00	33.58 0.50 0.00	28.54 0.39 0.00	26.28 0.23 0.00	26.33 0.18 0.00	28.34 0.20 0.00	31.73 0.31 0.00	33.66 0.37 0.00	35.97 0.43 0.00	43.11 0.72 0.00	56.58 1.05 0.00	84.50 2.25 -1.97	92.52 3.05 -4.75	85.61 2.46 -6.12	65.75 1.74 -1.76	46.51 1.13 -0.23	41.42 0.65 -0.03	35.48 0.60 0.18
COXSACKIE__GT 23611	30.52 1.49 8.16	26.10 1.33 7.75	25.04 1.19 5.16	28.39 0.93 0.00	27.98 1.11 0.74	19.14 1.06 9.79	11.30 1.25 22.01	7.68 1.19 26.59	22.99 0.62 5.78	26.20 0.16 0.00	26.20 0.08 0.02	28.20 0.08 0.02	31.52 0.13 0.02	33.34 0.07 0.02	36.04 0.57 0.07	42.42 1.06 1.02	57.30 1.78 0.00	72.65 4.98 12.61	56.03 5.76 34.45	56.57 4.54 25.00	57.57 3.23 7.91	34.55 2.35 12.95	33.45 1.96 9.24	31.37 1.58 5.27
CPV__VALLEY__CC1 323721	38.64 0.89 -0.56	33.95 0.91 -0.53	30.18 0.81 -0.35	28.22 0.77 0.00	28.41 0.75 -0.05	29.21 0.67 -0.67	34.26 0.70 -1.50	35.76 0.86 -1.82	29.27 0.73 -0.40	26.90 0.86 0.00	27.06 0.91 0.00	29.18 1.04 0.00	32.58 1.16 0.00	34.56 1.26 0.00	37.21 1.42 -0.24	43.87 1.48 0.00	57.47 1.94 0.00	84.42 3.29 -0.85	90.71 3.64 -2.35	81.35 2.62 -1.71	64.53 1.74 -0.54	47.39 1.35 -0.89	42.76 1.39 -0.63	36.65 1.23 -0.36
CPV__VALLEY__CC2 323722	38.64 0.89 -0.56	33.95 0.91 -0.53	30.18 0.81 -0.35	28.22 0.77 0.00	28.41 0.75 -0.05	29.21 0.67 -0.67	34.26 0.70 -1.50	35.76 0.86 -1.82	29.27 0.73 -0.40	26.90 0.86 0.00	27.06 0.91 0.00	29.18 1.04 0.00	32.58 1.16 0.00	34.56 1.26 0.00	37.21 1.42 -0.24	43.87 1.48 0.00	57.47 1.94 0.00	84.42 3.29 -0.85	90.71 3.64 -2.35	81.35 2.62 -1.71	64.53 1.74 -0.54	47.39 1.35 -0.89	42.76 1.39 -0.63	36.65 1.23 -0.36
CRESCENT__HYD 24018	46.35 1.23 -7.93	41.11 1.07 -7.53	35.02 0.99 -5.02	28.39 0.93 0.00	29.29 0.97 -0.72	38.31 0.92 -9.52	54.49 1.06 -21.38	59.98 1.06 -25.84	34.55 0.79 -5.62	26.69 0.65 0.00	26.69 0.55 0.00	28.73 0.59 0.00	32.04 0.63 0.00	33.92 0.63 0.00	36.06 0.78 0.26	43.36 0.98 0.00	57.19 1.66 0.00	95.45 3.13 -12.04	121.66 3.47 -33.48	104.01 2.69 -24.29	71.86 1.93 -7.68	59.27 1.54 -12.58	51.18 1.46 -8.98	41.49 1.30 -5.13
CRICKET__VALLEY_CC1 323756	39.44 1.04 -1.21	34.66 1.01 -1.15	30.68 0.90 -0.76	28.31 0.85 0.00	28.58 0.86 -0.11	30.08 0.75 -1.45	36.21 0.90 -3.26	38.01 0.99 -3.94	29.82 0.82 -0.86	26.93 0.89 0.00	27.06 0.91 0.00	29.15 1.01 0.00	32.51 1.10 0.00	34.46 1.16 0.00	33.85 1.28 2.97	43.78 1.40 0.00	57.35 1.83 0.00	85.24 3.13 -1.83	93.20 3.39 -5.10	83.26 2.54 -3.70	65.10 1.68 -1.17	48.47 1.40 -1.92	43.57 1.46 -1.37	37.18 1.33 -0.78
CRICKET__VALLEY_CC2 323757	39.44 1.04 -1.21	34.66 1.01 -1.15	30.68 0.90 -0.76	28.31 0.85 0.00	28.58 0.86 -0.11	30.08 0.75 -1.45	36.21 0.90 -3.26	38.01 0.99 -3.94	29.82 0.82 -0.86	26.93 0.89 0.00	27.06 0.91 0.00	29.15 1.01 0.00	32.51 1.10 0.00	34.46 1.16 0.00	33.85 1.28 2.97	43.78 1.40 0.00	57.35 1.83 0.00	85.24 3.13 -1.83	93.20 3.39 -5.10	83.26 2.54 -3.70	65.10 1.68 -1.17	48.47 1.40 -1.92	43.57 1.46 -1.37	37.18 1.33 -0.78
CRICKET__VALLEY_CC3 323758	39.44 1.04 -1.21	34.66 1.01 -1.15	30.68 0.90 -0.76	28.31 0.85 0.00	28.58 0.86 -0.11	30.08 0.75 -1.45	36.21 0.90 -3.26	38.01 0.99 -3.94	29.82 0.82 -0.86	26.93 0.89 0.00	27.06 0.91 0.00	29.15 1.01 0.00	32.51 1.10 0.00	34.46 1.16 0.00	33.85 1.28 2.97	43.78 1.40 0.00	57.35 1.83 0.00	85.24 3.13 -1.83	93.20 3.39 -5.10	83.26 2.54 -3.70	65.10 1.68 -1.17	48.47 1.40 -1.92	43.57 1.46 -1.37	37.18 1.33 -0.78
CRUCIBLE__METL_DRP 24180	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
DAHOWA__HYDRO 323763	44.01 1.45 -5.37	38.87 1.27 -5.09	33.57 1.16 -3.40	28.58 1.13 0.00	29.25 1.16 -0.49	35.40 1.09 -6.44	47.74 1.22 -14.47	51.66 1.09 -17.49	32.68 0.73 -3.80	26.51 0.47 0.00	26.35 0.21 0.00	28.39 0.25 0.00	31.64 0.22 0.00	33.53 0.23 0.00	35.79 0.46 0.21	43.10 0.72 0.00	57.35 1.83 0.00	92.20 3.77 -8.15	111.86 4.49 -22.66	97.16 3.70 -16.44	70.00 2.55 -5.20	55.52 1.85 -8.52	48.57 1.75 -6.08	39.97 1.44 -3.47
DANC__LFGE 323619	37.45 0.26 0.00	32.74 0.23 0.00	29.16 0.15 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.93 0.06 0.00	32.15 0.10 0.00	33.25 0.17 0.00	28.12 -0.03 0.00	25.81 -0.23 0.00	25.91 -0.24 0.00	27.88 -0.25 0.00	31.20 -0.22 0.00	33.06 -0.23 0.00	35.25 -0.29 0.00	42.26 -0.13 0.00	55.52 0.00 0.00	84.21 1.12 -2.81	93.51 2.03 -6.77	87.51 1.77 -8.71	66.38 1.06 -3.08	46.68 0.72 -0.81	41.48 0.29 -0.46	35.24 0.11 -0.07
DANSKAMMER__1 23586	39.28 1.53 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	34.83 1.25 -1.53	36.32 1.39 -1.85	29.68 1.13 -0.40	27.27 1.22 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.02 -0.24	44.63 2.24 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.50 -2.39	83.07 4.31 -1.74	65.78 2.99 -0.55	48.30 2.26 -0.90	43.54 2.16 -0.64	37.29 1.86 -0.37
DANSKAMMER__2 23589	39.28 1.53 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	34.83 1.25 -1.53	36.32 1.39 -1.85	29.68 1.13 -0.40	27.27 1.22 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.02 -0.24	44.63 2.24 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.50 -2.39	83.07 4.31 -1.74	65.78 2.99 -0.55	48.30 2.26 -0.90	43.54 2.16 -0.64	37.29 1.86 -0.37
DANSKAMMER__3 23590	39.28 1.53 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	34.83 1.25 -1.53	36.32 1.39 -1.85	29.68 1.13 -0.40	27.27 1.22 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.02 -0.24	44.63 2.24 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.50 -2.39	83.07 4.31 -1.74	65.78 2.99 -0.55	48.30 2.26 -0.90	43.54 2.16 -0.64	37.29 1.86 -0.37



DANSKAMMER___4 23591	39.28 1.53 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	34.83 1.25 -1.53	36.32 1.39 -1.85	29.68 1.13 -0.40	27.27 1.22 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.02 -0.24	44.63 2.24 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.50 -2.39	83.07 4.31 -1.74	65.78 2.99 -0.55	48.30 2.26 -0.90	43.54 2.16 -0.64	37.29 1.86 -0.37
DANSKAMMER___DIESEL 23592	39.28 1.52 -0.57	34.54 1.50 -0.54	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.67 1.12 -0.68	33.34 1.28 0.00	34.51 1.42 0.00	29.70 1.15 -0.40	27.27 1.22 0.00	27.43 1.28 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.81 2.03 -0.24	44.67 2.29 0.00	58.58 3.05 0.00	86.20 5.06 -0.86	92.61 5.51 -2.39	82.84 4.08 -1.74	65.85 3.05 -0.55	48.35 2.30 -0.90	43.58 2.20 -0.64	37.36 1.93 -0.37
DARBY___SOLAR 323810	44.26 1.38 -5.70	39.12 1.20 -5.40	33.75 1.13 -3.60	28.53 1.07 0.00	29.23 1.11 -0.51	35.74 1.03 -6.83	48.56 1.15 -15.35	52.69 1.06 -18.55	32.88 0.70 -4.03	26.51 0.47 0.00	26.38 0.23 0.00	28.39 0.25 0.00	31.64 0.22 0.00	33.53 0.23 0.00	35.78 0.46 0.22	43.10 0.72 0.00	57.25 1.72 0.00	92.45 3.53 -8.64	112.98 4.23 -24.03	97.85 3.39 -17.44	70.19 2.43 -5.52	55.94 1.76 -9.03	48.86 1.67 -6.45	40.15 1.40 -3.68
DASHVILLE___HYD 23610	37.27 1.52 1.45	32.63 1.50 1.37	29.37 1.28 0.92	28.50 1.04 0.00	28.67 1.19 0.13	27.25 1.12 1.74	33.08 1.03 0.00	34.21 1.12 0.00	28.28 1.15 1.03	27.03 0.99 0.00	27.39 1.25 0.01	29.48 1.35 0.01	32.98 1.57 0.01	34.85 1.56 0.01	37.73 2.03 -0.16	44.42 2.29 0.25	58.13 2.61 0.00	83.17 5.14 2.25	84.11 5.51 6.11	76.75 4.16 4.44	63.96 3.11 1.40	45.15 2.30 2.30	41.30 2.20 1.64	36.02 1.89 0.94
DELAWARE___LFGE 323621	38.01 0.82 0.00	33.26 0.75 0.00	29.71 0.70 0.00	28.14 0.69 0.00	28.30 0.69 0.00	28.49 0.61 0.00	32.73 0.67 0.00	33.78 0.69 0.00	28.74 0.59 0.00	26.56 0.52 0.00	26.69 0.55 0.00	28.73 0.59 0.00	32.11 0.69 0.00	34.03 0.73 0.00	36.41 0.82 -0.05	43.36 0.97 0.00	56.86 1.33 0.00	83.74 2.65 -0.81	89.71 3.05 -1.94	81.60 2.08 -2.50	64.75 1.62 -0.88	46.60 1.22 -0.23	41.97 1.10 -0.13	36.03 0.95 -0.02
DERFIELD_115KV_TB7 355931	37.26 0.07 0.00	32.61 0.10 0.00	29.10 0.09 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.18 0.10 0.00	28.20 0.06 0.00	26.07 0.03 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.45 0.03 0.00	33.33 0.03 0.00	35.61 0.07 0.00	42.47 0.08 0.00	55.69 0.17 0.00	80.76 0.48 0.00	85.31 0.59 0.00	77.33 0.31 0.00	62.37 0.12 0.00	45.28 0.14 0.00	40.86 0.12 0.00	35.17 0.11 0.00
DOGLEVILLE___HYD 23807	37.08 -0.11 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.35 -0.11 0.00	27.50 -0.11 0.00	27.76 -0.11 0.00	31.93 -0.13 0.00	32.95 -0.13 0.00	27.98 -0.17 0.00	25.83 -0.21 0.00	25.94 -0.21 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.17 -0.21 0.00	55.36 -0.17 0.00	80.44 0.16 0.00	85.05 0.34 0.00	77.02 0.00 0.00	62.12 -0.12 0.00	45.06 -0.09 0.00	40.62 -0.12 0.00	34.89 -0.18 0.00
DUNKIRK___115KV_TB_200 55889	35.81 -1.38 0.00	31.01 -1.50 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.16 -1.89 0.00	31.13 -1.95 0.00	27.19 -0.96 0.00	25.55 -0.49 0.00	25.60 -0.55 0.00	27.66 -0.48 0.00	30.79 -0.63 0.00	32.93 -0.37 0.00	35.08 -0.46 0.00	41.49 -0.89 0.00	52.91 -2.61 0.00	78.36 -3.21 -1.29	85.70 -2.12 -3.11	76.71 -4.31 -4.00	58.97 -3.49 -0.21	41.66 -2.84 0.65	37.47 -2.61 0.66	32.76 -1.65 0.65
DUNKIRK___1 23563	35.81 -1.38 0.00	31.01 -1.50 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.16 -1.89 0.00	31.13 -1.95 0.00	27.19 -0.96 0.00	25.55 -0.49 0.00	25.60 -0.55 0.00	27.66 -0.48 0.00	30.79 -0.63 0.00	32.93 -0.37 0.00	35.08 -0.46 0.00	41.49 -0.89 0.00	52.91 -2.61 0.00	78.36 -3.21 -1.29	85.70 -2.12 -3.11	76.71 -4.31 -4.00	58.97 -3.49 -0.21	41.66 -2.84 0.65	37.47 -2.61 0.66	32.76 -1.65 0.65
DUNKIRK___2 23564	35.81 -1.38 0.00	31.01 -1.50 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.16 -1.89 0.00	31.13 -1.95 0.00	27.19 -0.96 0.00	25.55 -0.49 0.00	25.60 -0.55 0.00	27.66 -0.48 0.00	30.79 -0.63 0.00	32.93 -0.37 0.00	35.08 -0.46 0.00	41.49 -0.89 0.00	52.91 -2.61 0.00	78.36 -3.21 -1.29	85.70 -2.12 -3.11	76.71 -4.31 -4.00	58.97 -3.49 -0.21	41.66 -2.84 0.65	37.47 -2.61 0.66	32.76 -1.65 0.65
DUNKIRK___3 23565	35.74 -1.45 0.00	30.98 -1.53 0.00	27.71 -1.31 0.00	26.33 -1.13 0.00	26.45 -1.16 0.00	26.68 -1.20 0.00	30.16 -1.89 0.00	31.10 -1.98 0.00	27.11 -1.04 0.00	25.44 -0.60 0.00	25.47 -0.68 0.00	27.52 -0.62 0.00	30.60 -0.82 0.00	32.73 -0.57 0.00	34.86 -0.68 0.00	41.20 -1.19 0.00	52.53 -3.00 0.00	77.79 -3.77 -1.28	85.18 -2.63 -3.09	76.23 -4.78 -3.98	58.65 -3.80 -0.20	41.51 -2.98 0.66	37.34 -2.73 0.66	32.69 -1.72 0.66
DUNKIRK___4 23566	35.74 -1.45 0.00	30.98 -1.53 0.00	27.71 -1.31 0.00	26.33 -1.13 0.00	26.45 -1.16 0.00	26.68 -1.20 0.00	30.16 -1.89 0.00	31.10 -1.98 0.00	27.11 -1.04 0.00	25.44 -0.60 0.00	25.47 -0.68 0.00	27.52 -0.62 0.00	30.60 -0.82 0.00	32.73 -0.57 0.00	34.86 -0.68 0.00	41.20 -1.19 0.00	52.53 -3.00 0.00	77.79 -3.77 -1.28	85.18 -2.63 -3.09	76.23 -4.78 -3.98	58.65 -3.80 -0.20	41.51 -2.98 0.66	37.34 -2.73 0.66	32.69 -1.72 0.66
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	39.54 1.64 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.72 1.26 0.00	28.92 1.24 -0.06	29.91 1.17 -0.86	33.46 1.41 0.00	34.64 1.55 0.00	30.01 1.35 -0.51	27.50 1.46 0.00	27.77 1.62 0.00	29.94 1.80 0.00	33.49 2.07 0.00	35.52 2.23 0.00	38.28 2.45 -0.29	44.93 2.54 0.00	58.74 3.22 0.00	86.43 5.06 -1.09	93.25 5.51 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.55 2.26 -1.14	43.87 2.32 -0.81	37.60 2.07 -0.46
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	39.02 1.34 -0.50	34.28 1.30 -0.47	30.46 1.13 -0.31	28.50 1.04 0.00	28.70 1.05 -0.04	29.45 0.98 -0.60	33.18 1.12 0.00	34.31 1.22 0.00	29.54 1.04 -0.35	27.16 1.12 0.00	27.35 1.20 0.00	29.43 1.29 0.00	32.92 1.51 0.00	34.92 1.63 0.00	37.63 1.85 -0.25	44.42 2.03 0.00	58.24 2.72 0.00	85.53 4.50 -0.75	91.72 4.91 -2.09	82.09 3.54 -1.52	65.34 2.61 -0.48	47.92 1.99 -0.79	43.26 1.96 -0.56	37.10 1.72 -0.32
E179THST_138_KV_TB4_REV_LBMP_J 345001	40.07 2.16 -0.73	35.15 1.95 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.20 1.45 -0.87	33.59 1.54 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.92 1.78 0.00	30.14 2.00 0.00	33.73 2.32 0.01	35.75 2.46 0.01	38.46 2.63 -0.29	44.97 2.59 0.00	58.74 3.22 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.23 4.01 -2.20	65.87 2.93 -0.70	48.41 2.12 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47



E179THST_13_KV_LOAD 356214	40.22 2.31 -0.73	35.28 2.08 -0.69	31.28 1.80 -0.46	29.14 1.67 -0.01	29.31 1.63 -0.07	30.31 1.56 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.26 1.60 -0.51	27.74 1.69 0.00	28.03 1.88 0.00	30.28 2.14 0.00	33.89 2.48 0.01	35.91 2.63 0.01	38.64 2.81 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.64 2.35 -1.14	44.36 2.81 -0.81	38.16 2.63 -0.47
EAST HAMPTON___GT 23717	39.69 1.79 -0.72	34.65 1.46 -0.68	30.72 1.25 -0.45	28.53 1.07 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	35.02 1.03 -1.94	37.41 1.98 -2.34	29.84 1.18 -0.51	27.45 1.41 0.00	28.26 2.12 0.00	30.64 2.50 0.00	34.43 3.02 0.00	36.76 3.46 -0.01	39.47 3.63 -0.30	46.08 3.69 -0.01	59.19 3.66 0.00	86.18 4.82 -1.08	91.11 5.08 -1.32	73.18 3.62 7.46	53.12 2.18 11.30	48.00 1.72 -1.14	43.34 1.79 -0.81	37.56 2.03 -0.46
EAST RIVER___6 23660	39.73 1.82 -0.72	34.94 1.75 -0.68	31.01 1.54 -0.45	28.88 1.43 0.00	29.05 1.38 -0.06	30.08 1.34 -0.86	35.47 1.48 -1.94	37.14 1.72 -2.34	30.18 1.52 -0.51	27.68 1.64 0.00	27.92 1.78 0.00	30.19 2.05 0.00	33.74 2.32 0.00	35.79 2.50 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.67 5.93 -3.03	83.77 4.54 -2.20	66.18 3.23 -0.70	48.63 2.35 -1.14	44.04 2.49 -0.81	37.74 2.21 -0.46
EAST RIVER___7 23524	39.73 1.82 -0.72	34.94 1.75 -0.68	31.01 1.54 -0.45	28.88 1.43 0.00	29.05 1.38 -0.06	30.08 1.34 -0.86	35.47 1.48 -1.94	37.14 1.72 -2.34	30.18 1.52 -0.51	27.68 1.64 0.00	27.92 1.78 0.00	30.19 2.05 0.00	33.74 2.32 0.00	35.79 2.50 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.67 5.93 -3.03	83.77 4.54 -2.20	66.18 3.23 -0.70	48.63 2.35 -1.14	44.04 2.49 -0.81	37.74 2.21 -0.46
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	39.47 1.56 -0.72	34.72 1.53 -0.68	30.77 1.31 -0.45	28.66 1.21 0.00	28.86 1.19 -0.06	29.85 1.12 -0.86	33.37 1.31 0.00	34.54 1.46 0.00	29.92 1.27 -0.51	27.42 1.38 0.00	27.66 1.52 0.00	29.83 1.69 0.00	33.36 1.95 0.00	35.36 2.06 0.00	38.11 2.27 -0.29	44.80 2.42 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	92.91 5.17 -3.03	83.07 3.85 -2.20	65.80 2.86 -0.69	48.41 2.12 -1.14	43.75 2.20 -0.81	37.49 1.96 -0.46
EAST_HAMPTON___DIESEL 23722	39.69 1.79 -0.72	34.62 1.43 -0.68	30.69 1.22 -0.45	28.50 1.04 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	35.02 1.03 -1.94	37.41 1.98 -2.34	29.84 1.18 -0.51	27.45 1.41 0.00	28.26 2.12 0.00	30.64 2.50 0.00	34.43 3.02 0.00	36.76 3.46 -0.01	39.47 3.63 -0.30	46.08 3.69 -0.01	59.19 3.66 0.00	86.18 4.82 -1.08	91.03 5.00 -1.32	73.11 3.55 7.46	53.06 2.12 11.30	47.96 1.67 -1.14	43.30 1.75 -0.81	37.52 2.00 -0.46
EAST_POINT___SOLAR 323840	42.47 2.75 -2.53	37.28 2.37 -2.40	32.79 2.18 -1.60	29.52 2.06 0.00	29.94 2.10 -0.23	33.00 2.09 -3.03	41.17 2.31 -6.81	43.09 1.79 -8.23	30.22 0.28 -1.79	25.62 -0.42 0.00	25.41 -0.73 0.00	27.46 -0.68 0.00	30.69 -0.72 0.00	32.53 -0.76 0.00	34.82 -0.60 0.12	41.96 -0.42 0.00	56.63 1.11 0.00	89.49 5.38 -3.83	104.26 8.89 -10.66	92.39 7.63 -7.73	70.30 5.60 -2.45	52.95 3.79 -4.01	46.90 3.30 -2.86	39.39 2.70 -1.63
EAST_PULASKI___ESR 323781	36.97 -0.22 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.21 -0.25 0.00	27.36 -0.25 0.00	27.65 -0.22 0.00	31.80 -0.26 0.00	32.89 -0.20 0.00	27.89 -0.25 0.00	25.70 -0.34 0.00	25.80 -0.34 0.00	27.74 -0.39 0.00	31.00 -0.41 0.00	32.89 -0.40 0.00	35.11 -0.42 0.00	41.96 -0.42 0.00	54.97 -0.56 0.00	84.03 -0.08 -3.83	94.54 0.60 -9.23	89.29 0.39 -11.88	67.18 0.00 -4.93	46.83 -0.05 -1.73	41.61 -0.28 -1.15	35.34 -0.24 -0.52
EAST_RIVER___1 323558	39.77 1.86 -0.72	34.94 1.75 -0.68	31.01 1.54 -0.45	28.88 1.43 0.00	29.05 1.38 -0.06	30.08 1.34 -0.86	35.47 1.48 -1.94	37.14 1.72 -2.34	30.15 1.49 -0.51	27.68 1.64 0.00	27.90 1.75 0.00	30.17 2.03 0.00	33.71 2.29 0.00	35.76 2.46 0.00	38.50 2.67 -0.29	45.14 2.75 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.67 5.93 -3.03	83.85 4.62 -2.20	66.18 3.23 -0.70	48.63 2.35 -1.14	44.00 2.44 -0.81	37.77 2.25 -0.46
EAST_RIVER___2 323559	39.73 1.82 -0.72	34.94 1.75 -0.68	31.01 1.54 -0.45	28.88 1.43 0.00	29.05 1.38 -0.06	30.08 1.34 -0.86	35.47 1.48 -1.94	37.14 1.72 -2.34	30.18 1.52 -0.51	27.68 1.64 0.00	27.92 1.78 0.00	30.19 2.05 0.00	33.74 2.32 0.00	35.79 2.50 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.67 5.93 -3.03	83.77 4.54 -2.20	66.18 3.23 -0.70	48.63 2.35 -1.14	44.04 2.49 -0.81	37.74 2.21 -0.46
EAST___DELAWARE_HYD 23607	38.53 1.34 0.00	33.81 1.30 0.00	30.18 1.16 0.00	28.53 1.07 0.00	28.66 1.05 0.00	28.85 0.98 0.00	33.11 1.06 0.00	34.31 1.22 0.00	29.11 0.96 0.00	27.06 1.01 0.00	27.16 1.02 0.00	29.29 1.15 0.00	32.76 1.35 0.00	34.79 1.50 0.00	37.49 1.74 -0.21	44.29 1.99 0.08	58.35 2.83 0.00	85.24 4.98 0.02	90.22 5.50 0.00	81.33 4.31 0.00	65.23 2.99 0.00	47.32 2.17 0.00	42.69 1.96 0.00	36.75 1.68 0.00
EIGHT_POINT___WT_PWR 323820	36.75 -0.44 0.00	31.86 -0.65 0.00	28.43 -0.58 0.00	26.91 -0.55 0.00	27.11 -0.50 0.00	27.40 -0.47 0.00	31.41 -0.64 0.00	32.39 -0.70 0.00	27.73 -0.42 0.00	25.62 -0.42 0.00	25.70 -0.44 0.00	27.60 -0.54 0.00	30.82 -0.60 0.00	32.83 -0.47 0.00	35.04 -0.50 0.00	41.70 -0.68 0.00	53.97 -1.55 0.00	80.40 -1.37 -1.49	88.56 0.25 -3.59	80.49 -1.15 -4.62	61.07 -1.93 -0.76	43.25 -1.58 0.32	38.55 -1.79 0.39	33.37 -1.23 0.46
ELBRIDGE_115KV_TB2 80188	36.82 -0.37 0.00	32.12 -0.39 0.00	28.64 -0.38 0.00	27.13 -0.33 0.00	27.28 -0.33 0.00	27.60 -0.28 0.00	31.67 -0.38 0.00	32.72 -0.36 0.00	27.89 -0.25 0.00	25.78 -0.26 0.00	25.86 -0.29 0.00	27.80 -0.34 0.00	31.04 -0.38 0.00	32.96 -0.33 0.00	35.22 -0.32 0.00	42.05 -0.34 0.00	55.02 -0.50 0.00	83.08 -0.32 -3.12	92.39 0.17 -7.51	86.38 -0.31 -9.67	65.29 -0.37 -3.42	45.69 -0.36 -0.90	40.76 -0.49 -0.51	34.83 -0.32 -0.08
ELEC_TRO_TEK 24086	39.32 1.41 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.91 0.00	28.50 0.83 -0.06	29.49 0.75 -0.86	33.05 0.99 0.00	34.17 1.09 0.00	29.59 0.93 -0.51	27.14 1.09 0.00	27.71 1.57 0.00	30.00 1.86 0.00	33.61 2.20 0.00	35.57 2.26 -0.02	38.30 2.45 -0.31	44.90 2.50 -0.02	58.19 2.67 0.00	85.38 4.01 -1.08	91.69 4.32 -2.66	82.22 3.00 -2.19	65.18 2.24 -0.69	48.00 1.72 -1.14	43.55 2.00 -0.81	37.42 1.89 -0.46
ELLENBURG_WT_PWR 323604	37.93 0.74 0.00	33.16 0.65 0.00	29.59 0.58 0.00	27.95 0.49 0.00	28.08 0.47 0.00	28.43 0.56 0.00	32.73 0.67 0.00	33.71 0.63 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.19 0.90 0.00	36.25 0.71 0.00	42.90 0.51 0.00	55.19 -0.33 0.00	79.40 -0.88 0.00	83.53 -1.19 0.00	76.79 -0.23 0.00	62.37 0.12 0.00	45.33 0.18 0.00	41.43 0.69 0.00	35.10 0.04 0.00



ELM_ST_23_KV_LD_REV_LBMP_A 345012	35.66 -1.52 0.00	30.85 -1.66 0.00	27.62 -1.39 0.00	26.28 -1.18 0.00	26.40 -1.21 0.00	26.62 -1.25 0.00	30.07 -1.99 0.00	30.97 -2.12 0.00	26.97 -1.18 0.00	25.26 -0.78 0.00	25.26 -0.89 0.00	27.27 -0.87 0.00	30.31 -1.10 0.00	32.43 -0.87 0.00	34.47 -1.07 0.00	40.73 -1.65 0.00	51.80 -3.72 0.00	76.57 -4.98 -1.26	83.78 -3.98 -3.05	75.01 -5.93 -3.92	57.83 -4.54 -0.13	41.02 -3.43 0.70	37.02 -3.01 0.70	32.59 -1.79 0.68
EMPIRE_CC_1 323656	46.77 1.04 -8.54	41.56 0.94 -8.11	35.26 0.84 -5.41	28.25 0.80 0.00	29.18 0.80 -0.77	38.88 0.75 -10.25	56.02 0.93 -23.03	61.84 0.93 -27.83	34.90 0.70 -6.05	26.67 0.62 0.00	26.72 0.57 0.00	28.76 0.62 0.00	32.07 0.66 0.00	33.96 0.67 0.00	35.95 0.75 0.33	43.32 0.93 0.00	56.85 1.33 0.00	95.82 2.57 -12.97	123.56 2.79 -36.06	105.27 2.08 -26.17	71.96 1.43 -8.28	59.96 1.26 -13.55	51.67 1.26 -9.67	41.71 1.12 -5.52
EMPIRE_CC_2 323658	46.77 1.04 -8.54	41.56 0.94 -8.11	35.26 0.84 -5.41	28.25 0.80 0.00	29.18 0.80 -0.77	38.88 0.75 -10.25	56.02 0.93 -23.03	61.84 0.93 -27.83	34.90 0.70 -6.05	26.67 0.62 0.00	26.72 0.57 0.00	28.76 0.62 0.00	32.07 0.66 0.00	33.96 0.67 0.00	35.95 0.75 0.33	43.32 0.93 0.00	56.85 1.33 0.00	95.82 2.57 -12.97	123.56 2.79 -36.06	105.27 2.08 -26.17	71.96 1.43 -8.28	59.96 1.26 -13.55	51.67 1.26 -9.67	41.71 1.12 -5.52
ENORWICH_115KV_TB1 80156	38.90 1.71 0.00	34.00 1.50 0.00	30.32 1.31 0.00	28.66 1.21 0.00	28.85 1.24 0.00	29.13 1.25 0.00	33.40 1.35 0.00	34.47 1.39 0.00	29.25 1.10 0.00	26.64 0.60 0.00	26.64 0.50 0.00	28.70 0.56 0.00	32.20 0.79 0.00	34.06 0.77 0.00	36.40 0.82 -0.04	43.87 1.48 0.00	57.80 2.28 0.00	87.36 5.54 -1.54	95.63 7.20 -3.71	87.43 5.62 -4.78	68.11 4.17 -1.69	48.30 2.71 -0.45	42.82 1.83 -0.25	36.54 1.44 -0.04
ERIE_ST__34_KV_TB1-2 80199	35.70 -1.49 0.00	30.95 -1.56 0.00	27.68 -1.33 0.00	26.30 -1.15 0.00	26.42 -1.19 0.00	26.65 -1.23 0.00	30.13 -1.92 0.00	31.07 -2.02 0.00	27.05 -1.10 0.00	25.37 -0.68 0.00	25.36 -0.78 0.00	27.38 -0.76 0.00	30.47 -0.94 0.00	32.59 -0.70 0.00	34.72 -0.82 0.00	41.07 -1.31 0.00	52.36 -3.16 0.00	77.55 -4.01 -1.29	84.85 -2.96 -3.10	76.00 -5.01 -3.99	58.52 -3.92 -0.20	41.42 -3.07 0.66	37.34 -2.73 0.67	32.65 -1.75 0.66
ERIE_WT_PWR 323693	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.33 -1.13 0.00	26.48 -1.13 0.00	26.73 -1.14 0.00	30.61 -1.44 0.00	31.46 -1.62 0.00	27.22 -0.93 0.00	25.39 -0.65 0.00	25.57 -0.58 0.00	27.38 -0.76 0.00	30.57 -0.85 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	41.15 -1.23 0.00	52.42 -3.11 0.00	77.38 -4.18 -1.28	84.84 -2.97 -3.09	77.15 -3.85 -3.98	58.32 -4.11 -0.19	41.64 -2.84 0.67	37.62 -2.44 0.67	32.93 -1.47 0.66
ESPRGFLD_115KV_TB1 80157	40.91 1.93 -1.79	35.90 1.69 -1.70	31.69 1.54 -1.13	28.94 1.48 0.00	29.26 1.49 -0.16	31.47 1.45 -2.15	33.62 1.57 0.00	34.57 1.49 0.00	30.29 0.87 -1.27	26.62 0.57 0.00	26.62 0.47 0.00	28.67 0.53 0.00	32.04 0.63 0.00	33.96 0.67 0.00	36.30 0.82 0.06	43.57 1.19 0.00	57.74 2.22 0.00	88.52 5.14 -3.11	99.90 6.69 -8.49	89.11 5.39 -6.69	68.45 4.05 -2.16	50.86 2.75 -2.95	45.19 2.36 -2.09	38.19 1.96 -1.17
ETNA_115_KV_TB1_REV_LBMP_C 345029	37.49 0.30 0.00	32.70 0.20 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.80 0.19 0.00	28.07 0.20 0.00	32.18 0.13 0.00	33.28 0.20 0.00	28.35 0.20 0.00	26.15 0.10 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.48 0.06 0.00	33.43 0.13 0.00	35.72 0.18 0.00	42.72 0.34 0.00	55.97 0.44 0.00	83.73 1.45 -2.01	91.93 2.37 -4.84	84.72 1.46 -6.23	65.13 1.00 -1.88	46.09 0.63 -0.31	41.12 0.29 -0.09	35.28 0.35 0.13
ETNA____115KV_TB2 80207	37.49 0.30 0.00	32.70 0.20 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.80 0.19 0.00	28.07 0.20 0.00	32.18 0.13 0.00	33.28 0.20 0.00	28.35 0.20 0.00	26.15 0.10 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.48 0.06 0.00	33.43 0.13 0.00	35.72 0.18 0.00	42.72 0.34 0.00	55.97 0.44 0.00	83.73 1.45 -2.01	91.93 2.37 -4.84	84.72 1.46 -6.23	65.13 1.00 -1.88	46.09 0.63 -0.31	41.12 0.29 -0.09	35.28 0.35 0.13
EUCLID__115KV_TB2 356179	36.71 -0.48 0.00	32.02 -0.49 0.00	28.58 -0.44 0.00	27.04 -0.41 0.00	27.22 -0.39 0.00	27.49 -0.39 0.00	31.57 -0.48 0.00	32.62 -0.46 0.00	27.81 -0.34 0.00	25.73 -0.31 0.00	25.78 -0.37 0.00	27.72 -0.42 0.00	30.97 -0.44 0.00	32.86 -0.43 0.00	35.11 -0.43 0.00	41.88 -0.51 0.00	54.80 -0.72 0.00	81.72 -0.64 -2.08	89.48 -0.25 -5.02	82.79 -0.69 -6.46	63.08 -0.68 -1.52	44.56 -0.54 0.04	39.88 -0.65 0.21	34.26 -0.42 0.38
E_CANADA_CAP_HY 24051	42.08 2.56 -2.33	36.96 2.24 -2.21	32.55 2.06 -1.47	29.41 1.95 0.00	29.81 1.99 -0.21	32.62 1.95 -2.79	40.47 2.15 -6.27	42.57 1.92 -7.57	30.67 0.87 -1.65	26.43 0.39 0.00	26.28 0.13 0.00	28.31 0.17 0.00	31.60 0.19 0.00	33.53 0.23 0.00	35.90 0.46 0.10	43.23 0.85 0.00	57.91 2.39 0.00	89.83 6.02 -3.53	102.83 8.31 -9.81	91.23 7.08 -7.12	69.66 5.16 -2.25	52.40 3.57 -3.69	46.46 3.09 -2.63	39.12 2.56 -1.50
E_CANADA_MHWK_HY 24050	37.08 -0.11 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.35 -0.11 0.00	27.50 -0.11 0.00	27.77 -0.11 0.00	31.93 -0.13 0.00	32.98 -0.10 0.00	27.98 -0.17 0.00	25.83 -0.21 0.00	25.93 -0.21 0.00	27.91 -0.23 0.00	31.20 -0.22 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.17 -0.21 0.00	55.36 -0.17 0.00	80.44 0.16 0.00	85.05 0.34 0.00	77.10 0.08 0.00	62.12 -0.12 0.00	45.01 -0.14 0.00	40.58 -0.16 0.00	34.89 -0.17 0.00
E_FISHKILL__LBMP 23776	39.16 1.23 -0.74	34.41 1.20 -0.70	30.56 1.07 -0.47	28.44 0.99 0.00	28.64 0.97 -0.07	29.66 0.89 -0.89	33.14 1.09 0.00	34.27 1.19 0.00	29.69 1.01 -0.52	27.11 1.07 0.00	27.30 1.15 0.00	29.40 1.27 0.00	32.89 1.48 0.00	34.86 1.56 0.00	37.54 1.71 -0.30	44.21 1.82 0.00	57.91 2.39 0.00	85.26 3.85 -1.12	91.99 4.15 -3.12	82.29 3.00 -2.27	65.14 2.18 -0.72	48.04 1.72 -1.17	43.37 1.79 -0.84	37.15 1.61 -0.48
FALCON__SEABRD_CC1 323796	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.55 0.94 0.00	28.91 1.03 0.00	33.30 1.25 0.00	34.27 1.19 0.00	29.22 1.07 0.00	27.06 1.01 0.00	27.29 1.15 0.00	29.63 1.49 0.00	32.98 1.57 0.00	34.82 1.53 0.00	36.86 1.32 0.00	43.23 0.85 0.00	54.53 -1.00 0.00	78.19 -2.09 0.00	82.25 -2.46 0.00	75.79 -1.24 0.00	61.50 -0.74 0.00	45.19 0.05 0.00	42.08 1.34 0.00	35.49 0.42 0.00
FALCON__SEABRD_CC2 323797	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.55 0.94 0.00	28.91 1.03 0.00	33.30 1.25 0.00	34.27 1.19 0.00	29.22 1.07 0.00	27.06 1.01 0.00	27.29 1.15 0.00	29.63 1.49 0.00	32.98 1.57 0.00	34.82 1.53 0.00	36.86 1.32 0.00	43.23 0.85 0.00	54.53 -1.00 0.00	78.19 -2.09 0.00	82.25 -2.46 0.00	75.79 -1.24 0.00	61.50 -0.74 0.00	45.19 0.05 0.00	42.08 1.34 0.00	35.49 0.42 0.00



FAR ROCKAWAY___4 23548	39.81 1.90 -0.72	34.88 1.69 -0.68	30.89 1.42 -0.45	28.66 1.21 0.00	28.81 1.13 -0.06	29.77 1.03 -0.86	33.37 1.31 0.00	34.51 1.42 0.00	29.87 1.21 -0.51	27.42 1.38 0.00	28.05 1.91 0.00	30.39 2.25 0.00	34.12 2.70 0.00	36.14 2.83 -0.01	38.90 3.06 -0.31	45.66 3.26 -0.01	59.19 3.66 0.00	86.74 5.38 -1.08	93.44 5.85 -2.88	83.61 4.39 -2.19	66.24 3.30 -0.69	48.73 2.44 -1.14	44.16 2.61 -0.81	37.95 2.42 -0.46
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.59 1.54 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.14 2.00 0.00	33.74 2.32 0.00	35.76 2.46 0.00	38.50 2.67 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.16 2.03 0.00	33.74 2.32 0.00	35.76 2.46 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.05 1.31 -0.86	33.59 1.54 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.66 1.61 0.00	27.92 1.78 0.00	30.14 2.00 0.00	33.74 2.32 0.00	35.72 2.43 0.00	38.50 2.67 -0.29	45.14 2.75 0.00	58.97 3.44 0.00	86.75 5.38 -1.09	93.59 5.85 -3.03	83.54 4.31 -2.20	66.18 3.24 -0.70	48.68 2.39 -1.14	44.04 2.49 -0.81	37.81 2.28 -0.46
FARRAGUT___LBMP 323566	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 0.00	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.72 2.43 0.00	38.46 2.63 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
FENNER___WINDPWR 24204	37.82 0.63 0.00	33.06 0.55 0.00	29.48 0.46 0.00	27.87 0.41 0.00	28.05 0.44 0.00	28.32 0.44 0.00	32.57 0.51 0.00	33.68 0.60 0.00	28.54 0.39 0.00	26.25 0.21 0.00	26.35 0.21 0.00	28.36 0.22 0.00	31.73 0.31 0.00	33.63 0.33 0.00	35.93 0.39 0.00	43.06 0.68 0.00	56.52 1.00 0.00	84.10 2.24 -1.57	91.47 2.96 -3.79	84.53 2.62 -4.88	65.30 1.68 -1.37	46.43 1.13 -0.15	41.47 0.73 0.00	35.49 0.60 0.16
FIBERTEK___ENERGY 23856	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
FITZPATRICK___ 23598	36.15 -1.04 0.00	31.56 -0.94 0.00	28.17 -0.84 0.00	26.66 -0.80 0.00	26.84 -0.77 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.22 -0.86 0.00	27.42 -0.73 0.00	25.37 -0.68 0.00	25.46 -0.68 0.00	27.35 -0.79 0.00	30.53 -0.88 0.00	32.40 -0.90 0.00	34.58 -0.96 0.00	41.28 -1.10 0.00	54.03 -1.50 0.00	62.00 -1.93 16.35	43.61 -1.69 39.41	24.53 -1.77 50.73	42.63 -1.68 17.94	39.20 -1.22 4.73	36.90 -1.18 2.66	33.70 -0.95 0.42
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	39.38 1.60 -0.59	34.60 1.53 -0.56	30.73 1.33 -0.38	28.69 1.24 0.00	28.88 1.21 -0.05	29.73 1.14 -0.71	33.40 1.35 0.00	34.54 1.46 0.00	29.75 1.18 -0.42	27.29 1.25 0.00	27.45 1.31 0.00	29.55 1.41 0.00	33.08 1.66 0.00	35.12 1.83 0.00	37.85 2.06 -0.25	44.76 2.37 0.00	58.69 3.16 0.00	86.40 5.22 -0.90	92.90 5.68 -2.51	83.08 4.24 -1.82	65.93 3.11 -0.58	48.44 2.35 -0.94	43.69 2.28 -0.67	37.41 1.96 -0.38
FORT ORANGE___ 23900	23.43 0.48 14.25	19.45 0.45 13.52	20.44 0.44 9.01	27.81 0.36 0.00	26.71 0.39 1.29	11.15 0.36 17.09	-5.86 0.48 38.40	-12.92 0.40 46.40	18.26 0.20 10.09	26.12 0.08 0.00	26.17 0.03 0.00	28.19 0.06 0.00	31.44 0.03 0.00	33.29 0.00 0.00	35.56 0.18 0.16	42.39 0.17 0.16	55.97 0.44 0.00	60.07 1.45 21.65	26.29 1.69 60.12	34.47 1.08 43.63	49.07 0.62 13.80	23.23 0.68 22.60	25.31 0.69 16.12	26.45 0.60 9.20
FORT_DRUM_COGEN 23780	38.12 0.93 0.00	33.35 0.85 0.00	29.68 0.67 0.00	27.98 0.52 0.00	28.11 0.50 0.00	28.32 0.45 0.00	32.57 0.51 0.00	33.55 0.46 0.00	28.37 0.23 0.00	25.91 -0.13 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.48 0.06 0.00	33.29 0.00 0.00	35.50 -0.04 0.00	42.68 0.30 0.00	56.25 0.72 0.00	85.07 2.73 -2.07	93.67 3.98 -4.98	86.97 3.54 -6.41	66.94 2.43 -2.27	47.37 1.63 -0.60	42.01 0.94 -0.34	35.64 0.53 -0.05
FOX_HILLS___ESR 323835	39.66 1.75 -0.73	34.95 1.76 -0.69	31.02 1.54 -0.46	28.89 1.43 -0.01	29.09 1.41 -0.07	30.17 1.42 -0.87	33.62 1.57 0.00	34.77 1.69 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.92 1.78 0.00	30.16 2.03 0.00	33.68 2.26 -0.01	35.73 2.43 -0.01	38.43 2.59 -0.29	44.76 2.37 0.00	58.63 3.11 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	83.00 3.77 -2.20	65.74 2.80 -0.70	48.37 2.08 -1.14	43.91 2.36 -0.81	37.85 2.31 -0.47
FPL_FAR_ROCK_GT1 24212	39.80 1.90 -0.72	34.88 1.69 -0.68	30.89 1.42 -0.45	28.69 1.24 0.00	28.81 1.13 -0.06	29.77 1.03 -0.86	35.14 1.15 -1.94	36.98 1.56 -2.34	29.84 1.18 -0.51	27.42 1.38 0.00	28.00 1.86 0.00	30.39 2.25 0.00	34.08 2.67 0.00	36.14 2.83 -0.01	38.90 3.06 -0.31	45.62 3.22 -0.01	59.19 3.66 0.00	86.66 5.30 -1.08	93.36 5.76 -2.88	83.76 4.54 -2.19	66.23 3.30 -0.69	48.68 2.39 -1.14	43.87 2.32 -0.81	37.88 2.35 -0.46
FPL_FAR_ROCK_GT2 23815	39.80 1.90 -0.72	34.88 1.69 -0.68	30.89 1.42 -0.45	28.69 1.24 0.00	28.81 1.13 -0.06	29.77 1.03 -0.86	35.14 1.15 -1.94	36.98 1.56 -2.34	29.84 1.18 -0.51	27.42 1.38 0.00	28.00 1.86 0.00	30.39 2.25 0.00	34.08 2.67 0.00	36.14 2.83 -0.01	38.90 3.06 -0.31	45.62 3.22 -0.01	59.19 3.66 0.00	86.66 5.30 -1.08	93.36 5.76 -2.88	83.76 4.54 -2.19	66.23 3.30 -0.69	48.68 2.39 -1.14	43.87 2.32 -0.81	37.88 2.35 -0.46
FRANKLIN_FALL_HYD 24054	38.27 1.08 0.00	33.45 0.94 0.00	29.86 0.84 0.00	28.22 0.77 0.00	28.33 0.72 0.00	28.74 0.86 0.00	33.08 1.03 0.00	33.94 0.86 0.00	28.96 0.82 0.00	26.77 0.73 0.00	27.03 0.89 0.00	29.29 1.15 0.00	32.61 1.19 0.00	34.42 1.13 0.00	36.43 0.89 0.00	43.32 0.93 0.00	56.19 0.67 0.00	81.24 0.96 0.00	85.90 1.19 0.00	79.10 2.08 0.00	63.86 1.62 0.00	46.23 1.08 0.00	41.88 1.14 0.00	35.48 0.42 0.00



FREEPORT_EQUS_GT1 23764	39.43 1.53 -0.72	34.52 1.33 -0.68	30.63 1.16 -0.45	28.44 0.99 0.00	28.56 0.88 -0.06	29.52 0.78 -0.86	34.82 0.83 -1.94	36.71 1.29 -2.34	29.58 0.93 -0.51	27.19 1.14 0.00	27.77 1.62 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.77 2.46 -0.01	38.54 2.70 -0.30	45.11 2.71 -0.01	58.46 2.94 0.00	84.89 3.53 -1.08	90.65 3.90 -2.04	82.05 2.85 -2.17	65.34 2.43 -0.67	48.05 1.76 -1.14	43.43 1.87 -0.81	37.49 1.96 -0.46
FREEPORT___CT2 23818	39.43 1.53 -0.72	34.52 1.33 -0.68	30.63 1.16 -0.45	28.44 0.99 0.00	28.56 0.88 -0.06	29.52 0.78 -0.86	34.82 0.83 -1.94	36.71 1.29 -2.34	29.58 0.93 -0.51	27.19 1.14 0.00	27.77 1.62 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.77 2.46 -0.01	38.54 2.70 -0.30	45.11 2.71 -0.01	58.46 2.94 0.00	84.89 3.53 -1.08	90.65 3.90 -2.04	82.05 2.85 -2.17	65.34 2.43 -0.67	48.05 1.76 -1.14	43.43 1.87 -0.81	37.49 1.96 -0.46
FRESHKLS_33_KV_LOAD 356253	39.63 1.71 -0.73	34.99 1.79 -0.69	31.07 1.60 -0.46	28.95 1.48 -0.01	29.15 1.46 -0.07	30.25 1.51 -0.87	33.72 1.67 0.00	34.87 1.79 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.98 1.83 0.00	30.22 2.08 0.00	33.72 2.29 -0.01	35.76 2.46 -0.01	38.43 2.59 -0.29	44.67 2.29 0.00	58.63 3.11 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	82.92 3.70 -2.20	65.68 2.74 -0.70	48.37 2.08 -1.14	43.91 2.36 -0.81	37.92 2.38 -0.47
FULTON COGEN____ 23766	36.59 -0.60 0.00	31.96 -0.55 0.00	28.52 -0.49 0.00	26.99 -0.47 0.00	27.14 -0.47 0.00	27.46 -0.42 0.00	31.51 -0.54 0.00	32.59 -0.50 0.00	27.75 -0.39 0.00	25.65 -0.39 0.00	25.73 -0.42 0.00	27.66 -0.48 0.00	30.88 -0.53 0.00	32.79 -0.50 0.00	35.01 -0.53 0.00	41.83 -0.55 0.00	54.75 -0.78 0.00	84.00 -0.72 -4.44	95.07 -0.34 -10.70	90.10 -0.69 -13.77	67.42 -0.68 -5.86	46.73 -0.54 -2.12	41.48 -0.69 -1.43	35.25 -0.49 -0.68
FULTON___LFGE 323630	42.14 2.38 -2.57	37.03 2.08 -2.44	32.56 1.91 -1.63	29.27 1.81 0.00	29.69 1.85 -0.23	32.77 1.81 -3.08	40.97 1.99 -6.93	43.21 1.75 -8.37	30.67 0.70 -1.82	26.23 0.18 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.42 0.00 0.12	42.81 0.42 0.00	57.58 2.06 0.00	89.80 5.62 -3.90	103.27 7.71 -10.85	91.44 6.54 -7.87	69.53 4.79 -2.49	52.48 3.25 -4.08	46.54 2.89 -2.91	39.07 2.35 -1.66
G.F.CEMENT___DRP 24184	43.41 1.41 -4.81	38.31 1.24 -4.57	33.22 1.16 -3.04	28.58 1.13 0.00	29.23 1.19 -0.43	34.74 1.09 -5.77	33.27 1.22 0.00	34.17 1.09 0.00	32.17 0.62 -3.41	26.41 0.36 0.00	26.22 0.08 0.00	28.25 0.11 0.00	31.48 0.06 0.00	33.33 0.03 0.00	35.66 0.32 0.20	42.98 0.59 0.00	57.47 1.94 0.00	91.60 4.01 -7.30	109.76 4.74 -20.30	95.46 3.70 -14.74	69.58 2.68 -4.66	54.63 1.85 -7.63	47.94 1.75 -5.45	39.57 1.40 -3.11
GARDENVILLE___LBMP 24039	35.78 -1.41 0.00	30.95 -1.56 0.00	27.71 -1.31 0.00	26.33 -1.13 0.00	26.45 -1.16 0.00	26.68 -1.20 0.00	30.16 -1.89 0.00	31.07 -2.02 0.00	26.99 -1.15 0.00	25.26 -0.78 0.00	25.26 -0.89 0.00	27.27 -0.87 0.00	30.31 -1.10 0.00	32.43 -0.87 0.00	34.51 -1.03 0.00	40.77 -1.61 0.00	51.97 -3.55 0.00	76.93 -4.66 -1.30	84.30 -3.56 -3.14	75.53 -5.55 -4.05	58.21 -4.30 -0.25	41.23 -3.30 0.62	37.17 -2.93 0.64	32.64 -1.79 0.64
GARDNVLA_35_KV_LD 355827	35.93 -1.26 0.00	31.08 -1.43 0.00	27.83 -1.19 0.00	26.44 -1.02 0.00	26.53 -1.08 0.00	26.79 -1.09 0.00	30.26 -1.80 0.00	31.20 -1.89 0.00	27.16 -0.99 0.00	25.47 -0.57 0.00	25.47 -0.68 0.00	27.49 -0.65 0.00	30.60 -0.82 0.00	32.73 -0.57 0.00	34.83 -0.71 0.00	41.20 -1.19 0.00	52.41 -3.11 0.00	77.54 -4.01 -1.28	84.83 -2.96 -3.08	75.98 -5.01 -3.96	58.56 -3.86 -0.17	41.50 -2.98 0.67	37.41 -2.65 0.68	32.82 -1.58 0.67
GELCKHM___115KV_LOAD 80723	36.82 -0.37 0.00	32.12 -0.39 0.00	28.67 -0.35 0.00	27.13 -0.33 0.00	27.28 -0.33 0.00	27.57 -0.31 0.00	31.67 -0.38 0.00	32.72 -0.36 0.00	27.89 -0.25 0.00	25.78 -0.26 0.00	25.86 -0.29 0.00	27.80 -0.34 0.00	31.07 -0.35 0.00	32.96 -0.33 0.00	35.22 -0.32 0.00	42.05 -0.34 0.00	55.02 -0.50 0.00	82.38 -0.32 -2.42	90.64 0.08 -5.84	84.15 -0.39 -7.51	64.02 -0.37 -2.14	45.05 -0.36 -0.26	40.27 -0.49 -0.02	34.52 -0.32 0.23
GENERAL___MILLS 23808	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.10 -1.98 0.00	27.08 -1.07 0.00	25.37 -0.68 0.00	25.36 -0.78 0.00	27.38 -0.76 0.00	30.44 -0.97 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	40.99 -1.40 0.00	52.14 -3.39 0.00	77.15 -4.42 -1.28	84.41 -3.39 -3.09	75.61 -5.39 -3.98	58.26 -4.17 -0.19	41.32 -3.16 0.67	37.25 -2.81 0.67	32.72 -1.68 0.66
GE_PLASTICS___DRP 24183	28.52 0.11 8.78	24.31 0.13 8.33	23.61 0.15 5.55	27.57 0.11 0.00	26.95 0.14 0.79	17.43 0.08 10.53	32.28 0.22 0.00	33.31 0.23 0.00	21.93 0.00 6.22	25.99 -0.05 0.00	26.05 -0.05 0.04	28.04 -0.06 0.04	31.31 -0.06 0.04	33.12 -0.13 0.04	35.38 -0.04 0.12	40.22 -0.13 2.04	55.52 0.00 0.00	66.85 0.32 13.75	48.09 0.42 37.05	50.06 -0.08 26.89	53.62 -0.12 8.50	31.41 0.18 13.92	31.13 0.33 9.94	29.67 0.28 5.67
GILBOA___1 23756	37.82 0.63 0.00	33.12 0.62 0.00	29.59 0.58 0.00	28.09 0.63 0.00	28.25 0.64 0.00	28.35 0.47 0.00	32.60 0.54 0.00	33.68 0.60 0.00	28.63 0.48 0.00	26.54 0.49 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.04 0.63 0.00	33.96 0.67 0.00	36.39 0.78 -0.07	43.23 0.85 0.00	56.69 1.17 0.00	82.20 1.92 0.00	86.41 1.69 0.00	78.10 1.08 0.00	63.00 0.75 0.00	45.96 0.81 0.00	41.63 0.90 0.00	35.87 0.81 0.00
GILBOA___2 23757	37.82 0.63 0.00	33.12 0.62 0.00	29.59 0.58 0.00	28.09 0.63 0.00	28.25 0.64 0.00	28.35 0.47 0.00	32.60 0.54 0.00	33.68 0.60 0.00	28.63 0.48 0.00	26.54 0.49 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.04 0.63 0.00	33.96 0.67 0.00	36.39 0.78 -0.07	43.23 0.85 0.00	56.69 1.17 0.00	82.20 1.92 0.00	86.41 1.69 0.00	78.10 1.08 0.00	63.00 0.75 0.00	45.96 0.81 0.00	41.63 0.90 0.00	35.87 0.81 0.00
GILBOA___3 23758	37.82 0.63 0.00	33.12 0.62 0.00	29.59 0.58 0.00	28.09 0.63 0.00	28.25 0.64 0.00	28.35 0.47 0.00	32.60 0.54 0.00	33.68 0.60 0.00	28.63 0.48 0.00	26.54 0.49 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.04 0.63 0.00	33.96 0.67 0.00	36.39 0.78 -0.07	43.23 0.85 0.00	56.69 1.17 0.00	82.20 1.92 0.00	86.41 1.69 0.00	78.10 1.08 0.00	63.00 0.75 0.00	45.96 0.81 0.00	41.63 0.90 0.00	35.87 0.81 0.00
GILBOA___4 23759	37.82 0.63 0.00	33.12 0.62 0.00	29.59 0.58 0.00	28.09 0.63 0.00	28.25 0.64 0.00	28.35 0.47 0.00	32.60 0.54 0.00	33.68 0.60 0.00	28.63 0.48 0.00	26.54 0.49 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.04 0.63 0.00	33.96 0.67 0.00	36.39 0.78 -0.07	43.23 0.85 0.00	56.69 1.17 0.00	82.20 1.92 0.00	86.41 1.69 0.00	78.10 1.08 0.00	63.00 0.75 0.00	45.96 0.81 0.00	41.63 0.90 0.00	35.87 0.81 0.00



GILBOA____ 23599	37.82 0.63 0.00	33.13 0.62 0.00	29.60 0.58 0.00	28.09 0.63 0.00	28.24 0.64 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.71 0.63 0.00	28.65 0.51 0.00	26.54 0.49 0.00	26.67 0.52 0.00	28.70 0.56 0.00	32.07 0.66 0.00	33.96 0.67 0.00	36.40 0.78 -0.07	43.23 0.85 0.00	56.69 1.17 0.00	82.21 1.93 0.00	86.32 1.61 0.00	77.95 0.92 0.00	63.06 0.81 0.00	45.96 0.81 0.00	41.68 0.94 0.00	35.90 0.84 0.00
GINNA____ 23603	34.88 -2.31 0.00	30.33 -2.18 0.00	27.01 -2.00 0.00	25.67 -1.78 0.00	25.79 -1.82 0.00	26.09 -1.78 0.00	30.00 -2.05 0.00	31.00 -2.08 0.00	26.54 -1.60 0.00	24.61 -1.43 0.00	24.71 -1.44 0.00	26.51 -1.63 0.00	29.66 -1.76 0.00	31.56 -1.73 0.00	33.55 -1.99 0.00	40.14 -2.25 0.00	52.19 -3.33 0.00	77.15 -4.42 -1.28	84.08 -3.73 -3.09	77.16 -3.85 -3.98	58.56 -3.67 0.02	41.60 -2.71 0.84	37.27 -2.65 0.82	32.18 -2.10 0.78
GLEN PARK____ 23778	38.27 1.08 0.00	33.48 0.97 0.00	29.80 0.78 0.00	28.09 0.63 0.00	28.22 0.61 0.00	28.46 0.59 0.00	32.76 0.70 0.00	33.88 0.79 0.00	28.49 0.34 0.00	25.99 -0.05 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.54 0.13 0.00	33.36 0.07 0.00	35.57 0.04 0.00	42.81 0.42 0.00	56.47 0.94 0.00	85.66 3.21 -2.16	94.58 4.66 -5.21	87.97 4.23 -6.71	67.49 2.86 -2.37	47.71 1.94 -0.63	42.27 1.18 -0.35	35.82 0.70 -0.06
GLENDALE_27_KV_LOAD 356172	40.04 2.12 -0.73	35.21 2.02 -0.69	31.22 1.74 -0.46	29.06 1.59 -0.01	29.26 1.57 -0.07	30.28 1.53 -0.87	33.79 1.73 0.00	34.97 1.89 0.00	30.35 1.69 -0.51	27.84 1.80 0.00	28.11 1.96 0.00	30.36 2.22 0.00	34.00 2.58 -0.01	36.00 2.70 -0.01	38.75 2.91 -0.29	45.35 2.97 0.00	59.19 3.66 0.00	87.15 5.78 -1.09	93.93 6.18 -3.03	83.85 4.62 -2.20	66.43 3.49 -0.70	48.77 2.48 -1.14	44.32 2.77 -0.81	38.09 2.56 -0.47
GLENWOOD_IC_1_G5 23712	39.58 1.67 -0.72	34.72 1.53 -0.68	30.78 1.31 -0.45	28.61 1.15 0.00	28.78 1.10 -0.06	29.74 1.00 -0.86	33.30 1.25 0.00	34.47 1.39 0.00	29.84 1.18 -0.51	27.37 1.33 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.74 2.43 -0.31	38.51 2.67 -0.31	45.20 2.80 -0.02	58.36 2.83 0.00	85.70 4.34 -1.09	91.88 4.66 -2.51	82.61 3.39 -2.19	65.43 2.49 -0.69	48.46 2.17 -1.14	43.87 2.32 -0.81	37.67 2.14 -0.46
GLENWOOD_IC_2_G1 23688	39.51 1.60 -0.72	34.69 1.50 -0.68	30.74 1.28 -0.45	28.61 1.15 0.00	28.78 1.11 -0.06	29.77 1.03 -0.86	35.14 1.15 -1.94	36.85 1.42 -2.34	29.81 1.15 -0.51	27.37 1.33 0.00	27.71 1.57 0.00	29.97 1.83 0.00	33.55 2.14 0.00	35.56 2.27 0.00	38.32 2.49 -0.29	44.93 2.54 0.00	58.52 3.00 0.00	85.94 4.57 -1.09	92.74 5.00 -3.03	83.07 3.85 -2.20	65.62 2.67 -0.70	48.27 1.98 -1.14	43.63 2.08 -0.81	37.49 1.96 -0.46
GLENWOOD_IC_3_G1 23689	39.51 1.60 -0.72	34.69 1.50 -0.68	30.74 1.28 -0.45	28.61 1.15 0.00	28.78 1.11 -0.06	29.77 1.03 -0.86	35.14 1.15 -1.94	36.85 1.42 -2.34	29.81 1.15 -0.51	27.37 1.33 0.00	27.71 1.57 0.00	29.97 1.83 0.00	33.55 2.14 0.00	35.56 2.27 0.00	38.32 2.49 -0.29	44.93 2.54 0.00	58.52 3.00 0.00	85.94 4.57 -1.09	92.74 5.00 -3.03	83.07 3.85 -2.20	65.62 2.67 -0.70	48.27 1.98 -1.14	43.63 2.08 -0.81	37.49 1.96 -0.46
GLENWOOD____4 23550	39.58 1.67 -0.72	34.72 1.53 -0.68	30.78 1.31 -0.45	28.61 1.15 0.00	28.78 1.10 -0.06	29.74 1.00 -0.86	33.30 1.25 0.00	34.47 1.39 0.00	29.84 1.18 -0.51	27.37 1.33 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.74 2.43 -0.02	38.51 2.67 -0.31	45.20 2.80 -0.02	58.52 3.00 0.00	85.94 4.58 -1.09	92.13 4.91 -2.51	82.76 3.54 -2.19	65.55 2.61 -0.69	48.46 2.17 -1.14	43.87 2.32 -0.81	37.67 2.14 -0.46
GLENWOOD____5 23614	39.58 1.67 -0.72	34.72 1.53 -0.68	30.78 1.31 -0.45	28.61 1.15 0.00	28.78 1.10 -0.06	29.74 1.00 -0.86	33.30 1.25 0.00	34.47 1.39 0.00	29.84 1.18 -0.51	27.37 1.33 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.74 2.43 -0.02	38.51 2.67 -0.31	45.20 2.80 -0.02	58.52 3.00 0.00	85.94 4.58 -1.09	92.13 4.91 -2.51	82.76 3.54 -2.19	65.55 2.61 -0.69	48.46 2.17 -1.14	43.87 2.32 -0.81	37.67 2.14 -0.46
GLOBAL GREEN_PORT_GT1 23814	39.77 1.86 -0.72	34.69 1.50 -0.68	30.74 1.28 -0.45	28.53 1.07 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	34.99 0.99 -1.94	37.41 1.98 -2.34	29.81 1.15 -0.51	27.42 1.38 0.00	28.24 2.09 0.00	30.62 2.48 0.00	34.40 2.99 -0.01	36.73 3.43 -0.30	39.43 3.59 -0.01	46.08 3.69 -0.01	59.19 3.66 0.00	86.26 4.90 -1.08	91.20 5.17 -1.32	73.34 3.77 7.46	53.25 2.30 11.30	48.14 1.85 -1.14	43.47 1.92 -0.81	37.63 2.10 -0.46
GLOBE____DSASP 323697	34.74 -2.45 0.00	30.00 -2.50 0.00	26.95 -2.06 0.00	25.64 -1.81 0.00	25.76 -1.85 0.00	25.98 -1.90 0.00	29.27 -2.79 0.00	30.14 -2.94 0.00	26.32 -1.83 0.00	24.64 -1.41 0.00	24.60 -1.54 0.00	26.53 -1.60 0.00	29.47 -1.95 0.00	31.49 -1.80 0.00	33.44 -2.10 0.00	39.42 -2.97 0.00	49.97 -5.55 0.00	73.74 -7.79 -1.25	80.69 -7.03 -3.00	72.11 -8.78 -3.87	55.66 -6.66 -0.07	39.62 -4.79 0.74	35.89 -4.11 0.73	32.25 -2.10 0.71
GOETHSLN____LBMP 323567	39.51 1.60 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.69 1.24 0.00	28.89 1.21 -0.06	29.88 1.14 -0.86	33.40 1.35 0.00	34.61 1.52 0.00	30.01 1.35 -0.51	27.53 1.48 0.00	27.79 1.65 0.00	30.00 1.86 0.00	33.58 2.17 0.00	35.56 2.26 0.00	38.28 2.45 -0.29	44.89 2.50 0.00	58.63 3.11 0.00	86.27 4.90 -1.09	93.08 5.34 -3.03	83.08 3.85 -2.20	65.81 2.86 -0.70	48.36 2.08 -1.14	43.78 2.24 -0.81	37.63 2.10 -0.46
GOLAH____69_KV_TB 1_2 80279	36.52 -0.67 0.00	31.73 -0.78 0.00	28.32 -0.70 0.00	26.91 -0.55 0.00	27.00 -0.61 0.00	27.32 -0.56 0.00	31.16 -0.90 0.00	32.16 -0.93 0.00	27.64 -0.51 0.00	25.70 -0.34 0.00	25.70 -0.44 0.00	27.66 -0.48 0.00	30.85 -0.57 0.00	32.86 -0.43 0.00	34.90 -0.64 0.00	41.54 -0.85 0.00	53.75 -1.78 0.00	79.35 -2.17 -1.24	86.34 -1.36 -2.99	78.48 -2.39 -3.84	60.30 -1.87 0.08	42.80 -1.49 0.86	38.48 -1.43 0.84	33.47 -0.81 0.79
GOODYEAR_LAKE_HYD 323669	39.16 1.19 -0.78	34.32 1.07 -0.74	30.50 0.99 -0.50	28.39 0.93 0.00	28.62 0.94 -0.07	29.71 0.89 -0.94	33.02 0.96 0.00	34.08 0.99 0.00	29.43 0.73 -0.55	26.64 0.60 0.00	26.75 0.60 0.00	28.81 0.68 0.00	32.20 0.79 0.00	34.12 0.83 0.00	36.46 0.92 0.00	43.57 1.19 0.00	57.30 1.78 0.00	85.83 3.69 -1.85	94.03 4.41 -4.91	84.80 3.31 -4.46	66.29 2.55 -1.49	48.34 1.76 -1.43	43.28 1.55 -0.99	36.88 1.30 -0.52
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.55 -0.06 0.00	27.79 -0.08 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.12 -0.03 0.00	26.07 0.03 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.38 -0.03 0.00	33.33 0.03 0.00	35.69 0.11 -0.05	42.47 0.08 0.00	55.41 -0.11 0.00	82.22 0.40 -1.54	89.44 1.02 -3.71	81.88 0.08 -4.78	63.52 -0.06 -1.33	45.20 -0.09 -0.14	40.53 -0.20 0.01	34.86 -0.04 0.17



GOUDEY___7 23579	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.55 -0.06 0.00	27.79 -0.08 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.12 -0.03 0.00	26.07 0.03 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.38 -0.03 0.00	33.33 0.03 0.00	35.69 0.11 -0.05	42.47 0.08 0.00	55.41 -0.11 0.00	82.22 0.40 -1.54	89.44 1.02 -3.71	81.88 0.08 -4.78	63.52 -0.06 -1.33	45.20 -0.09 -0.14	40.53 -0.20 0.01	34.86 -0.04 0.17
GOUDEY___8 23580	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.55 -0.06 0.00	27.79 -0.08 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.12 -0.03 0.00	26.07 0.03 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.38 -0.03 0.00	33.33 0.03 0.00	35.69 0.11 -0.05	42.47 0.08 0.00	55.41 -0.11 0.00	82.22 0.40 -1.54	89.44 1.02 -3.71	81.88 0.08 -4.78	63.52 -0.06 -1.33	45.20 -0.09 -0.14	40.53 -0.20 0.01	34.86 -0.04 0.17
GOWANUS_GT1_1 24077	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_2 24078	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_3 24079	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_4 24080	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_5 24084	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_6 24111	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_7 24112	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT1_8 24113	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT2_1 24114	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_2 24115	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_3 24116	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_4 24117	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_5 24118	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47



GOWANUS_GT2_6 24119	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_7 24120	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT2_8 24121	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_1 24122	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_2 24123	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_3 24124	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_4 24125	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_5 24126	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_6 24127	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_7 24128	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT3_8 24129	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
GOWANUS_GT4_1 24130	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_2 24131	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_3 24132	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_4 24133	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47



GOWANUS_GT4_5 24134	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_6 24135	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_7 24136	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GOWANUS_GT4_8 24137	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GREATVRV_69_KV_BK1 356245	39.99 2.08 -0.72	34.91 1.72 -0.68	30.92 1.45 -0.45	28.66 1.21 0.00	28.75 1.08 -0.06	29.71 0.98 -0.86	33.40 1.35 0.00	34.51 1.42 0.00	29.81 1.15 -0.51	27.34 1.30 0.00	28.08 1.93 0.00	30.45 2.31 0.00	34.24 2.83 0.00	36.46 3.16 -0.01	39.22 3.38 -0.30	45.83 3.43 -0.01	59.08 3.55 0.00	85.94 4.58 -1.08	90.63 4.41 -1.51	78.39 3.62 2.25	60.28 2.86 4.83	48.54 2.26 -1.14	44.28 2.73 -0.81	37.98 2.45 -0.46
GREENBSH_115KV_TB3 55895	22.40 0.33 15.13	18.48 0.33 14.35	19.76 0.32 9.57	27.73 0.27 0.00	26.52 0.28 1.37	9.98 0.25 18.15	32.57 0.51 0.00	33.58 0.50 0.00	17.60 0.17 10.71	26.12 0.08 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.29 0.00 0.00	35.47 0.11 0.17	42.43 0.08 0.04	55.86 0.33 0.00	58.28 0.96 22.97	21.98 1.10 63.84	31.16 0.46 46.33	47.84 0.25 14.65	21.61 0.45 23.99	24.19 0.57 17.12	25.78 0.49 9.77
GREENDGE_115KV_TB5 80291	37.00 -0.19 0.00	32.18 -0.33 0.00	28.72 -0.29 0.00	27.21 -0.25 0.00	27.39 -0.22 0.00	27.68 -0.20 0.00	31.64 -0.42 0.00	32.69 -0.40 0.00	27.98 -0.17 0.00	25.89 -0.16 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.09 -0.20 0.00	35.36 -0.18 0.00	41.96 -0.42 0.00	54.69 -0.83 0.00	81.41 -0.56 -1.69	89.46 0.68 -4.07	81.49 -0.77 -5.24	62.91 -0.44 -1.10	44.41 -0.59 0.15	39.57 -0.90 0.27	34.36 -0.32 0.39
GREENIDGE___3 23582	37.00 -0.19 0.00	32.18 -0.33 0.00	28.72 -0.29 0.00	27.21 -0.25 0.00	27.39 -0.22 0.00	27.68 -0.20 0.00	31.64 -0.42 0.00	32.69 -0.40 0.00	27.98 -0.17 0.00	25.89 -0.16 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.09 -0.20 0.00	35.36 -0.18 0.00	41.96 -0.42 0.00	54.69 -0.83 0.00	81.41 -0.56 -1.69	89.46 0.68 -4.07	81.49 -0.77 -5.24	62.91 -0.44 -1.10	44.41 -0.59 0.15	39.57 -0.90 0.27	34.36 -0.32 0.39
GREENIDGE___4 23583	37.00 -0.19 0.00	32.21 -0.29 0.00	28.72 -0.29 0.00	27.21 -0.25 0.00	27.39 -0.22 0.00	27.68 -0.19 0.00	31.80 -0.26 0.00	32.85 -0.23 0.00	28.04 -0.11 0.00	25.89 -0.16 0.00	25.93 -0.21 0.00	27.86 -0.28 0.00	31.13 -0.28 0.00	33.09 -0.20 0.00	35.36 -0.18 0.00	42.00 -0.38 0.00	54.75 -0.78 0.00	81.49 -0.48 -1.69	89.54 0.76 -4.07	82.11 -0.15 -5.24	62.92 -0.43 -1.10	44.50 -0.50 0.15	39.70 -0.78 0.27	34.43 -0.24 0.39
GREENLWN_69_KV_BK 3 55738	38.80 0.89 -0.72	33.97 0.78 -0.68	30.08 0.61 -0.45	27.90 0.44 0.00	28.01 0.33 -0.06	28.99 0.25 -0.86	32.50 0.45 0.00	33.65 0.56 0.00	29.11 0.45 -0.51	26.69 0.65 0.00	27.35 1.20 0.00	29.63 1.49 0.00	33.27 1.85 0.00	35.30 2.00 -0.01	38.01 2.17 -0.30	44.08 1.70 0.00	57.02 1.50 0.00	83.61 2.25 -1.08	88.85 2.46 -1.68	81.53 1.39 -3.12	64.90 0.81 -1.85	46.96 0.68 -1.14	42.81 1.26 -0.81	36.93 1.40 -0.46
GREENWD_138_KV_38B11_REV_LBMP_J 345004	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47
GRISSOM___SOLAR 323813	42.00 2.19 -2.62	36.91 1.92 -2.49	32.44 1.77 -1.66	29.13 1.68 0.00	29.56 1.71 -0.24	32.69 1.67 -3.14	40.94 1.83 -7.06	43.24 1.62 -8.54	30.65 0.65 -1.86	26.15 0.10 0.00	25.88 -0.26 0.00	27.77 -0.37 0.00	30.94 -0.47 0.00	32.83 -0.47 0.00	35.24 -0.18 0.12	42.64 0.26 0.00	57.35 1.83 0.00	89.40 5.14 -3.98	102.89 7.12 -11.06	90.98 5.93 -8.03	69.14 4.36 -2.54	52.28 2.98 -4.16	46.35 2.65 -2.97	38.93 2.17 -1.69
GROVEVILLE___HYD 323602	39.38 1.60 -0.59	34.60 1.53 -0.56	30.73 1.33 -0.38	28.69 1.24 0.00	28.88 1.21 -0.05	29.73 1.14 -0.71	33.40 1.35 0.00	34.54 1.46 0.00	29.75 1.18 -0.42	27.29 1.25 0.00	27.45 1.31 0.00	29.55 1.41 0.00	33.08 1.66 0.00	35.12 1.83 0.00	37.85 2.06 -0.25	44.76 2.37 0.00	58.69 3.16 0.00	86.40 5.22 -0.90	92.90 5.68 -2.51	83.08 4.24 -1.82	65.93 3.11 -0.58	48.44 2.35 -0.94	43.69 2.28 -0.67	37.41 1.96 -0.38
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
HAMLTNNY_34_KV_TB 80303	36.97 -0.22 0.00	32.25 -0.26 0.00	28.75 -0.26 0.00	27.24 -0.22 0.00	27.39 -0.22 0.00	27.68 -0.20 0.00	31.77 -0.29 0.00	32.85 -0.23 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.16 -0.13 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.53 0.24 -3.01	92.72 0.76 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.94 -0.29 -0.49	35.00 -0.14 -0.08



HAMPSHIRE___PAPER_HYD 323593	37.86 0.67 0.00	33.12 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.39 0.00	33.45 0.36 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.45 1.53 -2.21	81.64 1.77 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
HARDSCRABBLE_WT_PWR 323673	37.15 -0.04 0.00	32.51 0.00 0.00	29.01 0.00 0.00	27.43 -0.03 0.00	27.58 -0.03 0.00	27.82 -0.06 0.00	32.02 -0.03 0.00	33.05 -0.03 0.00	28.06 -0.08 0.00	25.91 -0.13 0.00	26.01 -0.13 0.00	28.00 -0.14 0.00	31.29 -0.13 0.00	33.13 -0.17 0.00	35.36 -0.18 0.00	42.30 -0.08 0.00	55.52 0.00 0.00	80.68 0.40 0.00	85.31 0.60 0.00	77.33 0.31 0.00	62.25 0.00 0.00	45.15 0.00 0.00	40.70 -0.04 0.00	34.99 -0.07 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	39.19 1.38 -0.63	34.47 1.37 -0.60	30.60 1.19 -0.40	28.55 1.10 0.00	28.74 1.08 -0.06	29.63 1.00 -0.75	33.21 1.15 0.00	34.37 1.29 0.00	29.69 1.10 -0.44	27.21 1.17 0.00	27.40 1.25 0.00	29.52 1.38 0.00	33.05 1.63 0.00	35.06 1.76 0.00	37.80 1.99 -0.27	44.59 2.20 0.00	58.41 2.89 0.00	86.05 4.82 -0.95	92.62 5.25 -2.65	82.80 3.85 -1.92	65.66 2.80 -0.61	48.27 2.12 -1.00	43.53 2.08 -0.71	37.29 1.82 -0.41
HARSNRAD_115KV_TB1 81005	35.74 -1.45 0.00	30.88 -1.63 0.00	27.65 -1.36 0.00	26.30 -1.15 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.13 -1.92 0.00	30.90 -2.18 0.00	26.83 -1.32 0.00	25.08 -0.96 0.00	25.05 -1.10 0.00	27.01 -1.13 0.00	30.00 -1.41 0.00	32.13 -1.17 0.00	34.12 -1.42 0.00	40.14 -2.25 0.00	51.03 -4.50 0.00	75.35 -6.18 -1.26	82.40 -5.34 -3.03	73.83 -7.09 -3.90	56.97 -5.35 -0.08	40.43 -3.97 0.74	36.58 -3.42 0.73	32.21 -2.14 0.71
HARZA MOOSE___RIVER 24016	37.90 0.71 0.00	33.16 0.65 0.00	29.51 0.49 0.00	27.81 0.36 0.00	27.94 0.33 0.00	28.10 0.22 0.00	32.34 0.29 0.00	33.35 0.26 0.00	28.26 0.11 0.00	25.94 -0.10 0.00	26.12 -0.03 0.00	28.14 0.00 0.00	31.51 0.09 0.00	33.36 0.07 0.00	35.57 0.04 0.00	42.68 0.30 0.00	56.13 0.61 0.00	83.09 1.93 -0.88	89.47 2.63 -2.13	81.92 2.16 -2.74	64.58 1.37 -0.97	46.31 0.90 -0.26	41.41 0.53 -0.14	35.37 0.28 -0.02
HDSNBRDG_115KV_BRDG_TB1 355580	36.82 -0.37 0.00	32.12 -0.39 0.00	28.67 -0.35 0.00	27.13 -0.33 0.00	27.31 -0.30 0.00	27.60 -0.28 0.00	31.67 -0.38 0.00	32.72 -0.36 0.00	27.89 -0.25 0.00	25.78 -0.26 0.00	25.86 -0.29 0.00	27.80 -0.34 0.00	31.07 -0.35 0.00	32.99 -0.30 0.00	35.22 -0.32 0.00	42.05 -0.34 0.00	55.02 -0.50 0.00	82.14 -0.32 -2.18	90.05 0.08 -5.26	83.41 -0.39 -6.77	63.59 -0.44 -1.78	44.90 -0.36 -0.11	40.12 -0.53 0.09	34.45 -0.32 0.29
HELLGATE_13_KV_LD 55870	40.11 2.19 -0.73	35.28 2.08 -0.69	31.28 1.80 -0.46	29.11 1.65 -0.01	29.31 1.63 -0.07	30.31 1.56 -0.87	33.82 1.76 0.00	35.00 1.92 0.00	30.35 1.69 -0.51	27.84 1.80 0.00	28.13 1.99 0.00	30.36 2.22 0.00	34.03 2.61 -0.01	36.03 2.73 -0.01	38.75 2.91 -0.29	45.35 2.97 0.00	59.19 3.66 0.00	87.15 5.78 -1.09	93.93 6.18 -3.03	83.85 4.62 -2.20	66.43 3.49 -0.70	48.77 2.48 -1.14	44.36 2.81 -0.81	38.13 2.59 -0.47
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	40.11 2.19 -0.73	35.28 2.08 -0.69	31.28 1.80 -0.46	29.11 1.65 -0.01	29.31 1.63 -0.07	30.31 1.56 -0.87	33.82 1.76 0.00	35.00 1.92 0.00	30.35 1.69 -0.51	27.84 1.80 0.00	28.13 1.99 0.00	30.36 2.22 0.00	34.03 2.61 -0.01	36.03 2.73 -0.01	38.75 2.91 -0.29	45.35 2.97 0.00	59.19 3.66 0.00	87.15 5.78 -1.09	93.93 6.18 -3.03	83.85 4.62 -2.20	66.43 3.49 -0.70	48.77 2.48 -1.14	44.36 2.81 -0.81	38.13 2.59 -0.47
HEMPSTEAD___ 23647	39.25 1.34 -0.72	34.39 1.20 -0.68	30.51 1.04 -0.45	28.33 0.88 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.76 0.77 -1.94	36.58 1.16 -2.34	29.50 0.84 -0.51	27.11 1.07 0.00	27.63 1.49 0.00	29.94 1.80 0.00	33.52 2.11 -0.01	35.57 2.27 -0.31	38.30 2.45 -0.01	44.86 2.46 -0.01	58.13 2.61 0.00	84.98 3.62 -1.09	90.92 3.98 -2.23	82.14 2.93 -2.19	64.99 2.05 -0.69	47.82 1.54 -1.14	43.26 1.71 -0.81	37.31 1.79 -0.46
HICKLING___1 23621	36.82 -0.37 0.00	32.05 -0.46 0.00	28.61 -0.41 0.00	27.10 -0.36 0.00	27.28 -0.33 0.00	27.51 -0.36 0.00	31.38 -0.67 0.00	32.42 -0.66 0.00	27.84 -0.31 0.00	25.81 -0.23 0.00	25.83 -0.31 0.00	27.83 -0.31 0.00	31.04 -0.38 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.00 -0.38 0.00	54.52 -1.00 0.00	81.29 -0.56 -1.57	89.10 0.59 -3.79	81.05 -0.85 -4.88	62.54 -0.81 -1.11	44.26 -0.81 0.07	39.57 -0.98 0.19	34.22 -0.53 0.31
HICKLING___2 23622	36.82 -0.37 0.00	32.05 -0.46 0.00	28.61 -0.41 0.00	27.10 -0.36 0.00	27.28 -0.33 0.00	27.51 -0.36 0.00	31.38 -0.67 0.00	32.42 -0.66 0.00	27.84 -0.31 0.00	25.81 -0.23 0.00	25.83 -0.31 0.00	27.83 -0.31 0.00	31.04 -0.38 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.00 -0.38 0.00	54.52 -1.00 0.00	81.29 -0.56 -1.57	89.10 0.59 -3.79	81.05 -0.85 -4.88	62.54 -0.81 -1.11	44.26 -0.81 0.07	39.57 -0.98 0.19	34.22 -0.53 0.31
HIGH FALLS___HY 23754	38.02 1.75 0.92	33.32 1.69 0.87	29.91 1.48 0.58	28.83 1.37 0.00	28.88 1.35 0.08	28.03 1.25 1.10	33.46 1.41 0.00	34.64 1.55 0.00	28.82 1.32 0.65	27.47 1.43 0.00	27.63 1.49 0.00	29.74 1.60 0.00	33.29 1.88 0.00	35.39 2.10 0.00	38.07 2.35 -0.18	44.91 2.71 0.19	59.19 3.66 0.00	84.94 6.10 1.44	87.43 6.61 3.89	79.21 5.01 2.82	65.09 3.73 0.89	46.40 2.71 1.46	42.22 2.53 1.04	36.64 2.17 0.60
HIGH_RIVER___SOLAR 323847	41.87 2.01 -2.67	36.77 1.72 -2.54	32.30 1.59 -1.69	28.97 1.51 0.00	29.40 1.55 -0.24	32.59 1.50 -3.21	40.93 1.67 -7.21	43.22 1.42 -8.71	30.55 0.51 -1.89	26.23 0.18 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.35 -0.06 0.00	33.23 -0.07 0.00	35.55 0.14 0.13	42.81 0.42 0.00	57.13 1.61 0.00	88.75 4.41 -4.06	102.36 6.36 -11.29	90.53 5.31 -8.19	68.70 3.86 -2.59	52.10 2.71 -4.24	46.17 2.40 -3.03	38.79 2.00 -1.73
HILLBURN___GT 23639	39.22 1.38 -0.65	34.49 1.37 -0.62	30.62 1.19 -0.41	28.56 1.10 0.00	28.74 1.08 -0.06	29.69 1.03 -0.78	34.93 1.12 -1.75	36.49 1.29 -2.11	29.70 1.10 -0.46	27.29 1.25 0.00	27.48 1.33 0.00	29.66 1.52 0.00	33.14 1.73 0.00	35.16 1.86 0.00	37.91 2.10 -0.27	44.55 2.16 0.00	58.35 2.83 0.00	85.84 4.57 -0.98	92.54 5.08 -2.74	82.86 3.85 -1.99	65.55 2.67 -0.63	48.16 1.98 -1.03	43.47 2.00 -0.73	37.23 1.75 -0.42
HILLSIDE_115KV_TB1 80332	36.45 -0.74 0.00	31.76 -0.75 0.00	28.35 -0.67 0.00	26.88 -0.58 0.00	27.03 -0.58 0.00	27.26 -0.61 0.00	31.12 -0.93 0.00	32.12 -0.96 0.00	27.61 -0.53 0.00	25.63 -0.42 0.00	25.67 -0.47 0.00	27.66 -0.48 0.00	30.82 -0.60 0.00	32.76 -0.53 0.00	35.08 -0.50 -0.04	41.66 -0.72 0.00	54.08 -1.44 0.00	80.49 -1.36 -1.57	88.17 -0.34 -3.79	80.29 -1.62 -4.88	61.96 -1.43 -1.15	43.94 -1.17 0.04	39.31 -1.26 0.16	33.97 -0.81 0.29



HISHELDN_WT_PWR 323625	35.93 -1.26 0.00	31.11 -1.40 0.00	27.82 -1.19 0.00	26.36 -1.10 0.00	26.53 -1.08 0.00	26.79 -1.09 0.00	30.68 -1.38 0.00	31.53 -1.55 0.00	27.14 -1.01 0.00	25.21 -0.83 0.00	25.36 -0.78 0.00	27.18 -0.96 0.00	30.31 -1.10 0.00	32.36 -0.93 0.00	34.44 -1.10 0.00	40.86 -1.52 0.00	52.30 -3.22 0.00	77.53 -4.09 -1.34	85.16 -2.79 -3.24	77.58 -3.62 -4.17	58.76 -3.86 -0.38	41.85 -2.76 0.54	37.64 -2.53 0.58	32.89 -1.58 0.59
HOLTSVILLE_IC_1 23690	39.21 1.30 -0.72	34.26 1.07 -0.68	30.34 0.87 -0.45	28.14 0.69 0.00	28.23 0.55 -0.06	29.18 0.44 -0.86	34.47 0.48 -1.94	36.65 1.22 -2.34	29.30 0.65 -0.51	26.93 0.89 0.00	27.58 1.44 0.00	29.91 1.77 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.64 2.24 -0.01	57.41 1.89 0.00	83.53 2.17 -1.08	88.48 2.46 -1.31	70.99 1.46 7.50	51.84 0.94 11.34	47.19 0.90 -1.14	42.86 1.30 -0.81	37.11 1.58 -0.46
HOLTSVILLE_IC_10 23699	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.58 2.74 -0.30	44.94 2.54 -0.01	57.75 2.22 0.00	84.01 2.65 -1.08	89.01 2.96 -1.34	71.81 1.93 7.14	52.59 1.24 10.90	47.46 1.17 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
HOLTSVILLE_IC_2 23691	39.21 1.30 -0.72	34.26 1.07 -0.68	30.34 0.87 -0.45	28.14 0.69 0.00	28.23 0.55 -0.06	29.18 0.44 -0.86	34.47 0.48 -1.94	36.65 1.22 -2.34	29.30 0.65 -0.51	26.93 0.89 0.00	27.58 1.44 0.00	29.91 1.77 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.64 2.24 -0.01	57.41 1.89 0.00	83.53 2.17 -1.08	88.48 2.46 -1.31	70.99 1.46 7.50	51.84 0.94 11.34	47.19 0.90 -1.14	42.86 1.30 -0.81	37.11 1.58 -0.46
HOLTSVILLE_IC_3 23692	39.21 1.30 -0.72	34.26 1.07 -0.68	30.34 0.87 -0.45	28.14 0.69 0.00	28.23 0.55 -0.06	29.18 0.44 -0.86	34.47 0.48 -1.94	36.65 1.22 -2.34	29.30 0.65 -0.51	26.93 0.89 0.00	27.58 1.44 0.00	29.91 1.77 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.64 2.24 -0.01	57.41 1.89 0.00	83.53 2.17 -1.08	88.48 2.46 -1.31	70.99 1.46 7.50	51.84 0.94 11.34	47.19 0.90 -1.14	42.86 1.30 -0.81	37.11 1.58 -0.46
HOLTSVILLE_IC_4 23693	39.21 1.30 -0.72	34.26 1.07 -0.68	30.34 0.87 -0.45	28.14 0.69 0.00	28.23 0.55 -0.06	29.18 0.44 -0.86	34.47 0.48 -1.94	36.65 1.22 -2.34	29.30 0.65 -0.51	26.93 0.89 0.00	27.58 1.44 0.00	29.91 1.77 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.64 2.24 -0.01	57.41 1.89 0.00	83.53 2.17 -1.08	88.48 2.46 -1.31	70.99 1.46 7.50	51.84 0.94 11.34	47.19 0.90 -1.14	42.86 1.30 -0.81	37.11 1.58 -0.46
HOLTSVILLE_IC_5 23694	39.21 1.30 -0.72	34.26 1.07 -0.68	30.34 0.87 -0.45	28.14 0.69 0.00	28.23 0.55 -0.06	29.18 0.44 -0.86	34.47 0.48 -1.94	36.65 1.22 -2.34	29.30 0.65 -0.51	26.93 0.89 0.00	27.58 1.44 0.00	29.91 1.77 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.64 2.24 -0.01	57.41 1.89 0.00	83.53 2.17 -1.08	88.48 2.46 -1.31	70.99 1.46 7.50	51.84 0.94 11.34	47.19 0.90 -1.14	42.86 1.30 -0.81	37.11 1.58 -0.46
HOLTSVILLE_IC_6 23695	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.58 2.74 -0.30	44.94 2.54 -0.01	57.75 2.22 0.00	84.01 2.65 -1.08	89.01 2.96 -1.34	71.81 1.93 7.14	52.59 1.24 10.90	47.46 1.17 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
HOLTSVILLE_IC_7 23696	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.58 2.74 -0.30	44.94 2.54 -0.01	57.75 2.22 0.00	84.01 2.65 -1.08	89.01 2.96 -1.34	71.81 1.93 7.14	52.59 1.24 10.90	47.46 1.17 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
HOLTSVILLE_IC_8 23697	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.58 2.74 -0.30	44.94 2.54 -0.01	57.75 2.22 0.00	84.01 2.65 -1.08	89.01 2.96 -1.34	71.81 1.93 7.14	52.59 1.24 10.90	47.46 1.17 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
HOLTSVILLE_IC_9 23698	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.58 2.74 -0.30	44.94 2.54 -0.01	57.75 2.22 0.00	84.01 2.65 -1.08	89.01 2.96 -1.34	71.81 1.93 7.14	52.59 1.24 10.90	47.46 1.17 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
HOMER_HL_115KV_TB2 355744	35.26 -1.93 0.00	30.66 -1.85 0.00	27.42 -1.60 0.00	26.03 -1.43 0.00	26.17 -1.44 0.00	26.40 -1.48 0.00	29.87 -2.18 0.00	30.83 -2.25 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.28 -0.86 0.00	27.24 -0.90 0.00	30.28 -1.13 0.00	32.33 -0.97 0.00	34.51 -1.03 0.00	40.86 -1.53 0.00	52.30 -3.22 0.00	77.68 -3.93 -1.33	85.22 -2.71 -3.21	76.46 -4.70 -4.14	58.68 -3.92 -0.35	41.52 -3.07 0.56	37.30 -2.85 0.58	32.47 -2.00 0.60
HOWARD_WT_PWR 323690	36.71 -0.48 0.00	31.86 -0.65 0.00	28.40 -0.61 0.00	26.91 -0.55 0.00	27.08 -0.53 0.00	27.38 -0.50 0.00	31.41 -0.64 0.00	32.39 -0.70 0.00	27.73 -0.42 0.00	25.62 -0.42 0.00	25.73 -0.42 0.00	27.60 -0.54 0.00	30.85 -0.56 0.00	32.86 -0.43 0.00	35.08 -0.46 0.00	41.75 -0.63 0.00	53.97 -1.55 0.00	80.42 -1.37 -1.51	88.69 0.34 -3.64	80.63 -1.08 -4.68	61.12 -1.93 -0.81	43.28 -1.58 0.28	38.58 -1.79 0.37	33.39 -1.23 0.45
HQ_GEN_CEDARS 23644	37.64 0.45 0.00	32.90 0.39 0.00	29.39 0.38 0.00	27.76 0.30 0.00	27.91 0.30 0.00	28.24 0.36 0.00	32.47 0.42 0.00	33.38 0.30 0.00	28.43 0.28 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.85 0.44 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.33 0.00	80.60 0.32 0.00	84.88 0.17 0.00	78.10 1.08 0.00	63.24 1.00 0.00	45.74 0.59 0.00	41.19 0.45 0.00	35.24 0.18 0.00
HQ_GEN_CEDARS_PROXY 323590	37.64 0.45 0.00	32.90 0.39 0.00	29.39 0.38 0.00	27.76 0.30 0.00	27.91 0.30 0.00	28.24 0.36 0.00	32.47 0.42 0.00	33.41 0.33 0.00	28.43 0.28 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.85 0.44 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.34 0.00	80.52 0.24 0.00	84.71 0.00 0.00	77.79 0.77 0.00	63.24 0.99 0.00	45.73 0.59 0.00	41.19 0.45 0.00	35.24 0.18 0.00



HQ_GEN_IMPORT 323601	37.34 0.15 0.00	32.64 0.13 0.00	29.13 0.12 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.99 0.11 0.00	32.18 0.13 0.00	33.18 0.10 0.00	28.26 0.11 0.00	26.15 0.10 0.00	26.28 0.13 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.46 0.17 0.00	35.65 0.11 0.00	42.51 0.13 0.00	58.65 0.11 -3.01	76.87 -0.40 3.01	84.03 -0.68 0.00	76.87 -0.15 0.00	62.50 0.25 0.00	45.24 0.09 0.00	40.82 0.08 0.00	35.06 0.00 0.00
HQ_GEN_WHEEL 23651	37.34 0.15 0.00	32.64 0.13 0.00	29.13 0.12 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.99 0.11 0.00	32.18 0.13 0.00	33.18 0.10 0.00	28.26 0.11 0.00	26.15 0.10 0.00	26.28 0.13 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.46 0.17 0.00	35.65 0.11 0.00	42.51 0.13 0.00	58.65 0.11 -3.01	76.87 -0.40 3.01	84.03 -0.68 0.00	76.87 -0.15 0.00	62.50 0.25 0.00	45.24 0.09 0.00	40.82 0.08 0.00	35.06 0.00 0.00
HUDSON AVE_GT_3 23810	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.84 1.75 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.16 2.03 0.00	33.77 2.36 0.00	35.76 2.46 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.69 4.47 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
HUDSON AVE_GT_4 23540	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.84 1.75 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.16 2.03 0.00	33.77 2.36 0.00	35.76 2.46 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.69 4.47 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
HUDSON AVE_GT_5 23657	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.84 1.75 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.16 2.03 0.00	33.77 2.36 0.00	35.76 2.46 0.00	38.53 2.70 -0.29	45.18 2.80 0.00	59.02 3.50 0.00	86.83 5.46 -1.09	93.68 5.93 -3.03	83.69 4.47 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
HUDSON_AVE_10 24168	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.80 1.35 0.00	29.00 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.66 1.61 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.74 2.32 0.00	35.72 2.43 0.00	38.50 2.67 -0.29	45.14 2.75 0.00	58.97 3.44 0.00	86.75 5.38 -1.09	93.59 5.85 -3.03	83.54 4.31 -2.20	66.18 3.24 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
HUDSON___115KV_TB 4 355613	27.50 0.89 10.59	23.27 0.81 10.05	23.07 0.75 6.70	28.06 0.60 0.00	27.37 0.72 0.96	15.84 0.67 12.70	32.86 0.80 0.00	33.84 0.76 0.00	21.05 0.39 7.50	26.15 0.10 0.00	26.21 0.08 0.01	28.21 0.08 0.01	31.49 0.09 0.01	33.28 0.00 0.01	35.74 0.32 0.12	42.21 0.51 0.68	56.52 1.00 0.00	66.88 2.81 16.21	43.26 3.22 44.68	46.91 2.31 32.42	53.67 1.68 10.25	29.71 1.35 16.79	30.02 1.26 11.98	29.24 1.02 6.84
HUNTER MOUNT___DRP 323613	30.03 1.00 8.16	25.67 0.91 7.75	24.66 0.81 5.16	28.03 0.58 0.00	27.65 0.77 0.74	18.81 0.72 9.79	32.79 0.74 0.00	33.78 0.69 0.00	22.76 0.39 5.78	26.02 -0.03 0.00	26.12 0.00 0.02	28.12 0.00 0.02	31.39 0.00 0.02	33.14 -0.13 0.02	35.79 0.32 0.07	41.91 0.55 1.02	56.47 0.94 0.00	70.89 3.21 12.61	54.08 3.81 34.45	54.80 2.77 25.00	56.33 1.99 7.91	33.78 1.58 12.95	32.88 1.39 9.24	30.91 1.12 5.27
HUNTINGTON_RES_REC 323705	39.06 1.15 -0.72	34.13 0.94 -0.68	30.22 0.75 -0.45	28.03 0.58 0.00	28.14 0.47 -0.06	29.10 0.36 -0.86	34.38 0.39 -1.94	36.38 0.96 -2.34	29.19 0.53 -0.51	26.82 0.78 0.00	27.48 1.33 0.00	29.80 1.66 0.00	33.49 2.07 0.00	35.60 2.30 -0.01	38.29 2.45 -0.30	44.47 2.08 -0.01	57.35 1.83 0.00	83.77 2.41 -1.08	88.43 2.63 -1.09	63.35 1.69 15.37	42.12 0.99 21.12	47.19 0.90 -1.14	42.69 1.14 -0.81	37.07 1.54 -0.46
HUNTLEY___63 23557	35.66 -1.52 0.00	30.82 -1.69 0.00	27.62 -1.39 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.03 -2.02 0.00	30.90 -2.18 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.18 -0.97 0.00	27.15 -0.98 0.00	30.19 -1.23 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.53 -4.00 0.00	76.16 -5.38 -1.26	83.26 -4.49 -3.04	74.46 -6.47 -3.91	57.44 -4.92 -0.11	40.77 -3.66 0.72	36.84 -3.18 0.72	32.65 -1.72 0.70
HUNTLEY___64 23558	35.66 -1.52 0.00	30.82 -1.69 0.00	27.62 -1.39 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.03 -2.02 0.00	30.90 -2.18 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.18 -0.97 0.00	27.15 -0.98 0.00	30.19 -1.23 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.53 -4.00 0.00	76.16 -5.38 -1.26	83.26 -4.49 -3.04	74.46 -6.47 -3.91	57.44 -4.92 -0.11	40.77 -3.66 0.72	36.84 -3.18 0.72	32.65 -1.72 0.70
HUNTLEY___65 23559	35.66 -1.52 0.00	30.82 -1.69 0.00	27.62 -1.39 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.03 -2.02 0.00	30.90 -2.18 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.18 -0.97 0.00	27.15 -0.98 0.00	30.19 -1.23 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.53 -4.00 0.00	76.16 -5.38 -1.26	83.26 -4.49 -3.04	74.46 -6.47 -3.91	57.44 -4.92 -0.11	40.77 -3.66 0.72	36.84 -3.18 0.72	32.65 -1.72 0.70
HUNTLEY___66 23560	35.66 -1.52 0.00	30.82 -1.69 0.00	27.62 -1.39 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.03 -2.02 0.00	30.90 -2.18 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.18 -0.97 0.00	27.15 -0.98 0.00	30.19 -1.23 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.53 -4.00 0.00	76.16 -5.38 -1.26	83.26 -4.49 -3.04	74.46 -6.47 -3.91	57.44 -4.92 -0.11	40.77 -3.66 0.72	36.84 -3.18 0.72	32.65 -1.72 0.70
HUNTLEY___67 23561	35.52 -1.67 0.00	30.72 -1.79 0.00	27.54 -1.48 0.00	26.17 -1.29 0.00	26.28 -1.33 0.00	26.51 -1.37 0.00	29.94 -2.12 0.00	30.83 -2.25 0.00	26.88 -1.27 0.00	25.16 -0.89 0.00	25.15 -0.99 0.00	27.13 -1.01 0.00	30.16 -1.26 0.00	32.23 -1.07 0.00	34.26 -1.28 0.00	40.43 -1.95 0.00	51.41 -4.11 0.00	76.00 -5.54 -1.26	83.08 -4.66 -3.03	74.45 -6.47 -3.90	57.44 -4.92 -0.11	40.73 -3.70 0.71	36.85 -3.18 0.71	32.44 -1.93 0.69
HUNTLEY___68 23562	35.52 -1.67 0.00	30.72 -1.79 0.00	27.54 -1.48 0.00	26.17 -1.29 0.00	26.28 -1.33 0.00	26.51 -1.37 0.00	29.94 -2.12 0.00	30.83 -2.25 0.00	26.88 -1.27 0.00	25.16 -0.89 0.00	25.15 -0.99 0.00	27.13 -1.01 0.00	30.16 -1.26 0.00	32.23 -1.07 0.00	34.26 -1.28 0.00	40.43 -1.95 0.00	51.41 -4.11 0.00	76.00 -5.54 -1.26	83.08 -4.66 -3.03	74.45 -6.47 -3.90	57.44 -4.92 -0.11	40.73 -3.70 0.71	36.85 -3.18 0.71	32.44 -1.93 0.69



HYLAND___LFGE 323620	37.86	32.83	29.25	27.79	27.91	28.27	32.54	33.58	28.51	26.07	26.01	27.80	31.07	33.19	35.40	42.55	55.47	83.27	92.36	84.69	64.27	45.60	40.53	34.95
	0.67	0.33	0.23	0.33	0.30	0.39	0.48	0.50	0.36	0.03	-0.13	-0.34	-0.34	-0.10	-0.14	0.17	-0.06	1.60	4.32	3.39	1.62	0.99	0.37	0.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.38	-3.33	-4.28	-0.40	0.54	0.58	0.60
INDECK___CORINTH 23802	42.64	37.58	32.63	28.25	28.85	34.00	44.95	48.34	31.60	26.09	25.93	27.94	31.10	32.93	35.24	42.47	56.74	90.03	107.35	93.64	68.43	53.54	47.04	38.89
	0.93	0.78	0.75	0.80	0.83	0.70	0.70	0.53	0.25	0.05	-0.21	-0.20	-0.31	-0.37	-0.11	0.08	1.22	2.89	3.56	2.77	1.81	1.22	1.18	0.91
	-4.52	-4.29	-2.86	0.00	-0.41	-5.42	-12.19	-14.73	-3.20	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	-6.86	-19.08	-13.85	-4.38	-7.17	-5.12	-2.92
INDECK___ILION 23567	37.23	32.57	29.07	27.48	27.64	27.90	32.09	33.12	28.15	25.99	26.09	28.08	31.38	33.26	35.50	42.43	55.63	80.84	85.39	77.41	62.43	45.28	40.82	35.10
	0.04	0.07	0.06	0.03	0.03	0.03	0.03	0.03	0.00	-0.05	-0.05	-0.06	-0.03	-0.03	-0.04	0.04	0.11	0.56	0.68	0.39	0.19	0.14	0.08	0.04
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
INDECK___OLEAN 23982	35.25	30.66	27.42	26.00	26.15	26.43	30.26	31.26	27.02	25.21	25.39	27.24	30.35	32.33	34.51	40.94	52.47	77.68	85.47	77.62	58.62	41.70	37.55	32.54
	-1.94	-1.85	-1.60	-1.46	-1.46	-1.45	-1.79	-1.82	-1.13	-0.83	-0.76	-0.90	-1.07	-0.97	-1.03	-1.44	-3.05	-3.93	-2.46	-3.54	-3.99	-2.89	-2.61	-1.93
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.33	-3.21	-4.14	-0.35	0.56	0.58	0.60
INDECK___OSWEGO 23783	36.45	31.82	28.38	26.85	27.03	27.32	31.41	32.45	27.61	25.52	25.59	27.49	30.72	32.59	34.79	41.54	54.41	84.50	96.93	92.92	68.90	47.45	42.03	35.54
	-0.74	-0.68	-0.64	-0.60	-0.58	-0.56	-0.64	-0.63	-0.54	-0.52	-0.55	-0.65	-0.69	-0.70	-0.75	-0.85	-1.11	-1.20	-0.85	-0.92	-1.06	-0.77	-0.86	-0.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.42	-13.06	-16.81	-7.71	-3.07	-2.15	-1.15
INDECK___YERKES 23781	35.66	31.01	27.62	26.25	26.40	26.65	30.48	31.23	27.05	25.21	25.39	27.18	30.35	32.36	34.40	40.82	51.86	76.49	83.69	76.16	57.56	41.23	37.29	32.96
	-1.53	-1.49	-1.39	-1.21	-1.21	-1.23	-1.57	-1.85	-1.10	-0.83	-0.76	-0.96	-1.07	-0.93	-1.14	-1.57	-3.67	-5.06	-4.06	-4.78	-4.79	-3.20	-2.73	-1.40
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.26	-3.04	-3.91	-0.11	0.72	0.72	0.70
INDIAN POINT_GT_1 24139	39.35	34.61	30.71	28.58	28.78	29.76	33.27	34.44	29.83	27.32	27.56	29.71	33.24	35.22	37.96	44.63	58.41	85.93	92.69	82.81	65.61	48.30	43.62	37.38
	1.45	1.43	1.25	1.13	1.10	1.03	1.22	1.36	1.18	1.28	1.41	1.58	1.82	1.93	2.13	2.25	2.89	4.58	5.00	3.62	2.68	2.03	2.08	1.86
	-0.71	-0.67	-0.45	0.00	-0.06	-0.85	0.00	0.00	-0.50	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.07	-2.98	-2.16	-0.68	-1.12	-0.80	-0.46
INDIAN POINT_GT_2 23659	39.35	34.61	30.71	28.58	28.78	29.76	33.27	34.44	29.83	27.32	27.56	29.71	33.24	35.22	37.96	44.63	58.41	85.93	92.69	82.81	65.61	48.30	43.62	37.38
	1.45	1.43	1.25	1.13	1.10	1.03	1.22	1.36	1.18	1.28	1.41	1.58	1.82	1.93	2.13	2.25	2.89	4.58	5.00	3.62	2.68	2.03	2.08	1.86
	-0.71	-0.67	-0.45	0.00	-0.06	-0.85	0.00	0.00	-0.50	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.07	-2.98	-2.16	-0.68	-1.12	-0.80	-0.46
INDIAN POINT_GT_3 24019	39.35	34.61	30.71	28.58	28.78	29.76	33.27	34.44	29.83	27.32	27.56	29.71	33.24	35.22	37.96	44.63	58.41	85.93	92.69	82.81	65.61	48.30	43.62	37.38
	1.45	1.43	1.25	1.13	1.10	1.03	1.22	1.36	1.18	1.28	1.41	1.58	1.82	1.93	2.13	2.25	2.89	4.58	5.00	3.62	2.68	2.03	2.08	1.86
	-0.71	-0.67	-0.45	0.00	-0.06	-0.85	0.00	0.00	-0.50	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.07	-2.98	-2.16	-0.68	-1.12	-0.80	-0.46
INDIAN POINT___2 23530	39.25	34.52	30.64	28.56	28.75	29.73	35.02	36.64	29.76	27.29	27.50	29.69	33.17	35.19	37.92	44.55	58.30	85.81	92.51	82.82	65.46	48.13	43.47	37.26
	1.38	1.37	1.19	1.10	1.08	1.03	1.12	1.32	1.13	1.25	1.36	1.55	1.76	1.90	2.10	2.16	2.78	4.49	4.91	3.70	2.55	1.90	1.96	1.75
	-0.68	-0.65	-0.43	0.00	-0.06	-0.82	-1.84	-2.23	-0.48	0.00	0.00	0.00	0.00	0.00	-0.28	0.00	0.00	-1.04	-2.89	-2.10	-0.66	-1.09	-0.77	-0.44
INDIAN POINT___3 23531	39.31	34.58	30.65	28.55	28.75	29.76	33.24	34.41	29.80	27.29	27.53	29.66	33.17	35.16	37.93	44.55	58.30	85.85	92.53	82.73	65.55	48.26	43.58	37.34
	1.41	1.40	1.19	1.10	1.08	1.03	1.19	1.32	1.15	1.25	1.39	1.52	1.76	1.86	2.10	2.16	2.78	4.50	4.83	3.54	2.61	1.99	2.04	1.82
	-0.71	-0.67	-0.45	0.00	-0.06	-0.85	0.00	0.00	-0.50	0.00	0.00	0.00	0.00	0.00	-0.29	0.00	0.00	-1.07	-2.99	-2.17	-0.69	-1.12	-0.80	-0.46
INGHAM_C_115KV_TB7 356103	37.08	32.41	28.93	27.35	27.50	27.76	31.93	32.95	27.98	25.83	25.94	27.91	31.19	33.03	35.29	42.17	55.36	80.44	85.05	77.02	62.12	45.06	40.62	34.89
	-0.11	-0.10	-0.09	-0.11	-0.11	-0.11	-0.13	-0.13	-0.17	-0.21	-0.21	-0.23	-0.22	-0.27	-0.25	-0.21	-0.17	0.16	0.34	0.00	-0.12	-0.09	-0.12	-0.18
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
IP CORINTH___1 23988	42.83	37.77	32.80	28.39	28.98	34.17	33.02	33.88	31.77	26.22	26.07	28.08	31.29	33.13	35.42	42.72	57.08	90.51	107.86	93.95	68.80	53.81	47.28	39.11
	1.12	0.98	0.93	0.93	0.97	0.86	0.96	0.79	0.42	0.18	-0.08	-0.06	-0.13	-0.17	0.07	0.34	1.55	3.37	4.07	3.08	2.18	1.49	1.43	1.12
	-4.52	-4.29	-2.86	0.00	-0.41	-5.42	0.00	0.00	-3.20	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	-6.86	-19.08	-13.85	-4.38	-7.17	-5.12	-2.92
IP___TICONDEROGA 23804	44.42	39.12	33.99	29.41	30.05	35.44	34.14	34.94	32.58	26.72	26.43	28.48	31.70	33.63	36.09	43.66	58.97	94.24	112.70	98.06	71.72	55.91	49.04	40.49
	2.53	2.15	2.00	1.95	2.02	1.92	2.08	1.85	1.10	0.68	0.29	0.34	0.28	0.33	0.75	1.27	3.44	6.82	8.13	6.62	4.92	3.30	2.97	2.38
	-4.70	-4.46	-2.98	0.00	-0.43	-5.64	0.00	0.00	-3.33	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	-7.14	-19.85	-14.41	-4.56	-7.46	-5.33	-3.04
ISLIP_RES_REC 323679	39.54	34.52	30.54	28.33	28.42	29.38	34.70	36.88	29.47	27.09	27.79	30.17	33.87	36.10	38.76	45.19	58.08	84.41	89.48	73.29	54.23	47.73	43.26	37.42
	1.63	1.33	1.07	0.88	0.75	0.64	0.70	1.45	0.82	1.04	1.65	2.03	2.45	2.80	2.91	2.80	2.56	3.05	3.39	2.39	1.62	1.44	1.71	1.89
	-0.72	-0.68	-0.45	0.00	-0.06	-0.86	-1.94	-2.34	-0.51	0.00	0.00	0.00	0.00	-0.01	-0.30	-0.01	0.00	-1.08	-1.38	6.12	9.64	-1.14	-0.81	-0.46



JAMAICA__27_KV_LOAD 355505	39.92 2.01 -0.72	35.08 1.89 -0.68	31.07 1.60 -0.45	28.91 1.46 0.00	29.11 1.44 -0.06	30.16 1.42 -0.86	33.79 1.73 0.00	35.04 1.95 0.00	30.40 1.75 -0.51	27.89 1.85 0.00	28.11 1.96 0.00	30.33 2.19 0.00	34.02 2.61 0.00	36.02 2.73 0.00	38.82 2.99 -0.29	45.44 3.05 0.00	59.41 3.89 0.00	87.47 6.10 -1.09	94.44 6.69 -3.03	84.23 5.01 -2.20	66.74 3.80 -0.70	48.91 2.62 -1.14	44.28 2.73 -0.81	38.05 2.52 -0.46
JANIS__SOLAR 323808	38.19 1.00 0.00	33.32 0.81 0.00	29.74 0.73 0.00	28.11 0.66 0.00	28.30 0.69 0.00	28.60 0.72 0.00	32.86 0.80 0.00	34.01 0.93 0.00	28.74 0.59 0.00	26.23 0.18 0.00	26.20 0.05 0.00	28.14 0.00 0.00	31.51 0.09 0.00	33.43 0.13 0.00	35.76 0.18 -0.04	42.98 0.59 0.00	56.69 1.17 0.00	85.40 3.37 -1.75	93.85 4.91 -4.22	86.54 4.08 -5.43	66.53 2.67 -1.61	47.11 1.72 -0.24	41.90 1.10 -0.06	35.84 0.91 0.13
JARVIS____ 23743	37.26 0.07 0.00	32.61 0.10 0.00	29.10 0.09 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.15 0.07 0.00	28.18 0.03 0.00	26.07 0.03 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.45 0.03 0.00	33.33 0.03 0.00	35.61 0.07 0.00	42.47 0.08 0.00	55.69 0.17 0.00	80.76 0.48 0.00	85.31 0.60 0.00	77.41 0.39 0.00	62.37 0.12 0.00	45.28 0.14 0.00	40.86 0.12 0.00	35.17 0.11 0.00
JENNISON____1 23625	38.34 1.15 0.00	33.55 1.04 0.00	29.94 0.93 0.00	28.31 0.85 0.00	28.47 0.86 0.00	28.74 0.86 0.00	32.95 0.90 0.00	34.04 0.96 0.00	28.94 0.79 0.00	26.56 0.52 0.00	26.59 0.44 0.00	28.64 0.51 0.00	32.07 0.66 0.00	33.96 0.67 0.00	36.30 0.71 -0.05	43.53 1.14 0.00	57.19 1.67 0.00	85.63 4.01 -1.33	93.09 5.17 -3.21	85.01 3.85 -4.13	66.57 2.86 -1.46	47.43 1.90 -0.39	42.30 1.34 -0.22	36.18 1.09 -0.03
JENNISON____2 23626	38.34 1.15 0.00	33.55 1.04 0.00	29.94 0.93 0.00	28.31 0.85 0.00	28.47 0.86 0.00	28.74 0.86 0.00	32.95 0.90 0.00	34.04 0.96 0.00	28.94 0.79 0.00	26.56 0.52 0.00	26.59 0.44 0.00	28.64 0.51 0.00	32.07 0.66 0.00	33.96 0.67 0.00	36.30 0.71 -0.05	43.53 1.14 0.00	57.19 1.67 0.00	85.63 4.01 -1.33	93.09 5.17 -3.21	85.01 3.85 -4.13	66.57 2.86 -1.46	47.43 1.90 -0.39	42.30 1.34 -0.22	36.18 1.09 -0.03
JERICOHO_RISE_WT_PWR 323719	37.89 0.70 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.92 0.47 0.00	28.02 0.41 0.00	28.38 0.50 0.00	32.66 0.61 0.00	33.65 0.56 0.00	28.66 0.51 0.00	26.54 0.49 0.00	26.75 0.60 0.00	28.98 0.84 0.00	32.29 0.88 0.00	34.13 0.83 0.00	36.18 0.64 0.00	42.90 0.51 0.00	55.36 -0.17 0.00	79.56 -0.72 0.00	83.70 -1.01 0.00	76.95 -0.08 0.00	62.50 0.25 0.00	45.38 0.23 0.00	41.35 0.61 0.00	35.03 -0.04 0.00
KATONAH__115KV_46KV_TB4 355592	39.55 1.64 -0.73	34.79 1.59 -0.69	30.84 1.36 -0.46	28.72 1.26 0.00	28.89 1.21 -0.07	29.92 1.17 -0.87	33.43 1.38 0.00	34.61 1.52 0.00	29.96 1.29 -0.52	27.42 1.38 0.00	27.71 1.57 0.00	29.85 1.72 0.00	33.46 2.04 0.00	35.39 2.10 0.00	38.21 2.38 -0.29	44.97 2.59 0.00	58.80 3.28 0.00	86.52 5.14 -1.11	93.30 5.51 -3.08	83.41 4.16 -2.23	65.94 2.99 -0.71	48.65 2.35 -1.16	43.89 2.32 -0.82	37.60 2.07 -0.47
KCE_NY_1 323755	43.64 1.49 -4.96	38.52 1.30 -4.71	33.34 1.19 -3.14	28.61 1.15 0.00	29.22 1.16 -0.45	34.95 1.12 -5.95	46.65 1.22 -13.38	50.37 1.13 -16.16	32.45 0.79 -3.51	26.61 0.57 0.00	26.54 0.39 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.72 0.43 0.00	36.01 0.67 0.20	43.36 0.98 0.00	57.52 2.00 0.00	91.66 3.85 -7.53	110.14 4.49 -20.94	95.84 3.62 -15.20	69.61 2.55 -4.81	54.87 1.85 -7.87	48.11 1.75 -5.62	39.74 1.47 -3.21
KCE_NY_6_ESR 323823	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.33 -1.13 0.00	26.48 -1.13 0.00	26.73 -1.14 0.00	30.61 -1.44 0.00	31.46 -1.62 0.00	27.22 -0.93 0.00	25.39 -0.65 0.00	25.57 -0.58 0.00	27.38 -0.76 0.00	30.57 -0.85 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	41.15 -1.23 0.00	52.42 -3.11 0.00	77.38 -4.18 -1.28	84.84 -2.97 -3.09	77.15 -3.85 -3.98	58.32 -4.11 -0.19	41.64 -2.84 0.67	37.62 -2.44 0.67	32.93 -1.47 0.66
KEDC_PORT_JEFF_GT2 24210	39.32 1.41 -0.72	34.36 1.17 -0.68	30.43 0.96 -0.45	28.20 0.74 0.00	28.28 0.61 -0.06	29.24 0.50 -0.86	34.54 0.54 -1.94	36.71 1.29 -2.34	29.36 0.70 -0.51	26.98 0.94 0.00	27.66 1.52 0.00	30.00 1.86 0.00	33.71 2.29 0.00	35.87 2.56 -0.01	38.51 2.67 -0.30	44.81 2.41 -0.01	57.46 1.94 0.00	83.21 1.85 -1.08	88.13 2.12 -1.30	70.01 1.16 8.17	50.81 0.75 12.18	47.33 1.04 -1.14	42.94 1.39 -0.81	37.18 1.65 -0.46
KEDC_PORT_JEFF_GT3 24211	39.32 1.41 -0.72	34.36 1.17 -0.68	30.43 0.96 -0.45	28.20 0.74 0.00	28.28 0.61 -0.06	29.24 0.50 -0.86	34.54 0.54 -1.94	36.71 1.29 -2.34	29.36 0.70 -0.51	26.98 0.94 0.00	27.66 1.52 0.00	30.00 1.86 0.00	33.71 2.29 0.00	35.87 2.56 -0.01	38.51 2.67 -0.30	44.81 2.41 -0.01	57.46 1.94 0.00	83.21 1.85 -1.08	88.13 2.12 -1.30	70.01 1.16 8.17	50.81 0.75 12.18	47.33 1.04 -1.14	42.94 1.39 -0.81	37.18 1.65 -0.46
KEDC_GLWD_GT4 24219	39.58 1.68 -0.72	34.72 1.53 -0.68	30.78 1.31 -0.45	28.61 1.15 0.00	28.78 1.11 -0.06	29.74 1.00 -0.86	35.11 1.12 -1.94	36.88 1.45 -2.34	29.81 1.15 -0.51	27.37 1.33 0.00	27.79 1.65 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.74 2.43 -0.02	38.51 2.67 -0.31	45.15 2.75 -0.02	58.35 2.83 0.00	85.62 4.25 -1.09	91.88 4.66 -2.51	82.76 3.55 -2.19	65.36 2.43 -0.69	48.05 1.76 -1.14	43.67 2.12 -0.81	37.60 2.07 -0.46
KEDC_GLWD_GT5 24220	39.58 1.68 -0.72	34.72 1.53 -0.68	30.78 1.31 -0.45	28.61 1.15 0.00	28.78 1.11 -0.06	29.74 1.00 -0.86	35.11 1.12 -1.94	36.88 1.45 -2.34	29.81 1.15 -0.51	27.37 1.33 0.00	27.79 1.65 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.74 2.43 -0.02	38.51 2.67 -0.31	45.15 2.75 -0.02	58.35 2.83 0.00	85.62 4.25 -1.09	91.88 4.66 -2.51	82.76 3.55 -2.19	65.36 2.43 -0.69	48.05 1.76 -1.14	43.67 2.12 -0.81	37.60 2.07 -0.46
KENSICO____ 23655	39.47 1.56 -0.72	34.72 1.53 -0.68	30.77 1.31 -0.45	28.66 1.21 0.00	28.86 1.19 -0.06	29.85 1.12 -0.86	33.37 1.31 0.00	34.54 1.46 0.00	29.92 1.27 -0.51	27.42 1.38 0.00	27.66 1.52 0.00	29.83 1.69 0.00	33.36 1.95 0.00	35.36 2.06 0.00	38.11 2.27 -0.29	44.80 2.42 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	92.91 5.17 -3.03	83.07 3.85 -2.20	65.80 2.86 -0.69	48.41 2.12 -1.14	43.75 2.20 -0.81	37.49 1.96 -0.46
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	38.83 1.64 0.00	34.10 1.59 0.00	30.41 1.39 0.00	28.75 1.29 0.00	28.88 1.27 0.00	29.07 1.20 0.00	33.40 1.35 0.00	34.54 1.46 0.00	29.39 1.24 0.00	27.32 1.28 0.00	27.48 1.33 0.00	29.57 1.44 0.00	33.11 1.70 0.00	35.15 1.86 0.00	37.84 2.10 -0.20	44.72 2.46 0.13	58.86 3.33 0.00	85.95 5.70 0.03	90.98 6.27 0.00	81.72 4.70 0.00	65.79 3.55 0.00	47.72 2.57 0.00	43.10 2.36 0.00	37.10 2.03 0.00



KIAC_JFK_GT1 23816	39.69 1.79 -0.72	34.91 1.72 -0.68	30.92 1.45 -0.45	28.77 1.32 0.00	28.97 1.30 -0.06	30.02 1.28 -0.86	33.62 1.57 0.00	34.87 1.79 0.00	30.26 1.60 -0.51	27.76 1.72 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.83 2.42 0.00	35.86 2.56 0.00	38.60 2.77 -0.29	45.05 2.67 0.00	58.86 3.33 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.50 2.21 -1.14	43.91 2.36 -0.81	37.84 2.31 -0.46
KIAC_JFK_GT2 23817	39.69 1.79 -0.72	34.91 1.72 -0.68	30.92 1.45 -0.45	28.77 1.32 0.00	28.97 1.30 -0.06	30.02 1.28 -0.86	33.62 1.57 0.00	34.87 1.79 0.00	30.26 1.60 -0.51	27.76 1.72 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.83 2.42 0.00	35.86 2.56 0.00	38.60 2.77 -0.29	45.05 2.67 0.00	58.86 3.33 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.50 2.21 -1.14	43.91 2.36 -0.81	37.84 2.31 -0.46
KIAC_JFK____ 323774	39.69 1.79 -0.72	34.88 1.69 -0.68	30.92 1.45 -0.45	28.77 1.32 0.00	28.97 1.30 -0.06	30.02 1.28 -0.86	35.47 1.48 -1.94	37.18 1.75 -2.34	30.20 1.55 -0.51	27.76 1.72 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.80 2.39 0.00	35.86 2.56 0.00	38.61 2.77 -0.29	44.97 2.59 0.00	58.85 3.33 0.00	86.67 5.30 -1.09	93.59 5.84 -3.03	83.69 4.47 -2.20	66.12 3.17 -0.70	48.46 2.17 -1.14	43.83 2.28 -0.81	37.77 2.25 -0.46
KINTIGH__24_KV_GSU 356498	35.59 -1.60 0.00	30.88 -1.62 0.00	27.59 -1.42 0.00	26.22 -1.24 0.00	26.37 -1.24 0.00	26.62 -1.25 0.00	30.48 -1.57 0.00	31.30 -1.79 0.00	27.08 -1.07 0.00	25.18 -0.86 0.00	25.36 -0.78 0.00	27.13 -1.01 0.00	30.25 -1.16 0.00	32.19 -1.10 0.00	34.23 -1.31 0.00	40.61 -1.78 0.00	51.86 -3.67 0.00	76.34 -5.14 -1.20	83.37 -4.23 -2.89	76.04 -4.70 -3.72	57.64 -4.54 0.07	41.25 -3.07 0.83	37.33 -2.61 0.80	32.76 -1.54 0.76
KINTIGH____ 23543	35.59 -1.60 0.00	30.82 -1.69 0.00	27.59 -1.42 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.13 -1.92 0.00	31.03 -2.05 0.00	26.97 -1.18 0.00	25.18 -0.86 0.00	25.18 -0.97 0.00	27.13 -1.01 0.00	30.16 -1.26 0.00	32.19 -1.10 0.00	34.22 -1.31 0.00	40.43 -1.95 0.00	51.58 -3.94 0.00	76.18 -5.30 -1.20	83.11 -4.49 -2.89	74.66 -6.08 -3.72	57.64 -4.54 0.07	40.93 -3.39 0.83	37.00 -2.93 0.80	32.55 -1.75 0.76
KNTFSRNC_46_KV_46KV_LOAD 80397	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.94 1.06 0.00	33.30 1.25 0.00	34.17 1.09 0.00	29.19 1.04 0.00	27.03 0.99 0.00	27.30 1.15 0.00	29.60 1.46 0.00	32.92 1.51 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.36 0.97 0.00	55.30 -0.22 0.00	79.72 -0.56 0.00	84.29 -0.42 0.00	77.56 0.54 0.00	62.62 0.37 0.00	45.69 0.54 0.00	42.12 1.39 0.00	35.52 0.46 0.00
LACHUTE____HYDRO 323717	44.42 2.53 -4.70	39.12 2.15 -4.46	33.99 2.00 -2.98	29.41 1.95 0.00	30.05 2.01 -0.43	35.44 1.92 -5.64	46.79 2.05 -12.68	50.16 1.75 -15.32	32.55 1.07 -3.33	26.72 0.68 0.00	26.41 0.26 0.00	28.48 0.34 0.00	31.70 0.28 0.00	33.63 0.33 0.00	36.09 0.75 0.20	43.65 1.27 0.00	58.97 3.44 0.00	94.24 6.82 -7.14	112.78 8.21 -19.85	98.28 6.85 -14.41	71.66 4.86 -4.56	55.86 3.25 -7.46	49.00 2.93 -5.33	40.45 2.35 -3.04
LAWRNCV_115KV_TB1 80681	37.78 0.60 0.00	33.06 0.55 0.00	29.51 0.49 0.00	27.87 0.41 0.00	28.00 0.39 0.00	28.32 0.45 0.00	32.57 0.51 0.00	33.48 0.40 0.00	28.49 0.34 0.00	26.28 0.23 0.00	26.46 0.31 0.00	28.62 0.48 0.00	31.89 0.47 0.00	33.69 0.40 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.33 0.00	81.19 0.48 -0.43	86.25 0.51 -1.03	79.81 1.46 -1.32	63.90 1.18 -0.47	46.08 0.81 -0.12	41.46 0.65 -0.07	35.32 0.25 -0.01
LEDERLE____ 23769	39.38 1.52 -0.67	34.64 1.50 -0.64	30.74 1.31 -0.42	28.64 1.18 0.00	28.83 1.16 -0.06	29.79 1.12 -0.80	33.34 1.28 0.00	34.51 1.42 0.00	29.83 1.21 -0.47	27.37 1.33 0.00	27.58 1.44 0.00	29.74 1.60 0.00	33.27 1.85 0.00	35.26 1.96 0.00	38.02 2.20 -0.28	44.76 2.37 0.00	58.58 3.05 0.00	86.27 4.98 -1.02	92.96 5.42 -2.83	83.08 4.01 -2.05	65.82 2.93 -0.65	48.42 2.21 -1.06	43.70 2.20 -0.76	37.46 1.96 -0.43
LIGHTHSE_115KV_TB6 355974	37.08 -0.11 0.00	32.38 -0.13 0.00	28.87 -0.15 0.00	27.29 -0.16 0.00	27.44 -0.17 0.00	27.74 -0.14 0.00	31.86 -0.19 0.00	32.88 -0.20 0.00	27.95 -0.20 0.00	25.76 -0.29 0.00	25.83 -0.31 0.00	27.77 -0.37 0.00	31.07 -0.35 0.00	32.93 -0.37 0.00	35.15 -0.39 0.00	42.05 -0.34 0.00	55.08 -0.44 0.00	83.67 0.16 -3.23	93.33 0.85 -7.77	87.49 0.46 -10.01	66.38 0.25 -3.88	46.51 0.14 -1.22	41.35 -0.16 -0.77	35.16 -0.18 -0.28
LINDEN COGEN____ 23786	39.47 1.56 -0.72	34.75 1.56 -0.68	30.80 1.34 -0.45	28.69 1.24 0.00	28.89 1.21 -0.06	29.88 1.14 -0.86	35.24 1.25 -1.94	36.87 1.45 -2.33	29.95 1.30 -0.51	27.53 1.48 0.00	27.71 1.57 0.00	29.97 1.83 0.00	33.55 2.14 0.00	35.52 2.23 0.00	38.25 2.42 -0.29	44.80 2.41 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	83.23 4.00 -2.20	65.68 2.74 -0.70	48.32 2.03 -1.14	43.70 2.16 -0.81	37.52 2.00 -0.46
LINDHRST_69_KV_BK1 356055	39.66 1.75 -0.72	34.69 1.50 -0.68	30.75 1.28 -0.45	28.50 1.04 0.00	28.61 0.94 -0.06	29.57 0.84 -0.86	33.21 1.15 0.00	34.34 1.26 0.00	29.67 1.01 -0.51	27.24 1.20 0.00	27.92 1.78 0.00	30.28 2.14 0.00	33.96 2.54 0.00	36.07 2.76 -0.01	38.83 2.99 -0.30	45.40 3.01 -0.01	58.69 3.16 0.00	85.62 4.25 -1.08	90.95 4.49 -1.74	81.94 3.31 -1.60	64.76 2.55 0.04	48.27 1.99 -1.14	43.96 2.40 -0.81	37.74 2.21 -0.46
LIPA_MISC_IPP 23656	39.10 1.19 -0.72	34.17 0.98 -0.68	30.22 0.75 -0.45	28.01 0.55 0.00	28.12 0.44 -0.06	29.07 0.33 -0.86	32.79 0.74 0.00	33.91 0.83 0.00	29.22 0.56 -0.51	26.82 0.78 0.00	27.56 1.41 0.00	29.83 1.69 0.00	33.49 2.07 0.00	35.63 2.33 -0.01	38.26 2.42 -0.30	44.64 2.25 -0.01	57.30 1.78 0.00	83.61 2.25 -1.08	88.40 2.37 -1.31	70.86 1.31 7.47	51.74 0.81 11.31	47.15 0.86 -1.14	43.14 1.59 -0.81	37.03 1.51 -0.46
LISF____SOLAR 323691	39.13 1.23 -0.72	34.16 0.97 -0.68	30.25 0.78 -0.45	28.06 0.60 0.00	28.14 0.47 -0.06	29.10 0.36 -0.86	34.38 0.39 -1.94	36.65 1.22 -2.34	29.19 0.53 -0.51	26.82 0.78 0.00	27.53 1.38 0.00	29.83 1.69 0.00	33.49 2.07 0.00	35.67 2.36 -0.01	38.29 2.45 -0.30	44.64 2.24 -0.01	57.35 1.83 0.00	83.61 2.24 -1.08	88.57 2.54 -1.32	71.16 1.54 7.41	51.89 0.87 11.23	47.14 0.86 -1.14	42.77 1.22 -0.81	37.00 1.47 -0.46
LITTLE FALLS____HYD 24013	37.08 -0.11 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.35 -0.11 0.00	27.50 -0.11 0.00	27.76 -0.13 0.00	31.93 -0.13 0.00	32.95 -0.13 0.00	27.98 -0.17 0.00	25.83 -0.21 0.00	25.94 -0.21 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.17 -0.21 0.00	55.36 -0.17 0.00	80.44 0.16 0.00	85.05 0.34 0.00	77.02 0.00 0.00	62.12 -0.12 0.00	45.06 -0.09 0.00	40.62 -0.12 0.00	34.89 -0.18 0.00



LITTLRIV_115KV_TB1 356100	38.08 0.89 0.00	33.32 0.81 0.00	29.77 0.75 0.00	28.09 0.63 0.00	28.22 0.61 0.00	28.57 0.70 0.00	32.86 0.80 0.00	33.74 0.66 0.00	28.63 0.48 0.00	26.36 0.31 0.00	26.54 0.39 0.00	28.70 0.56 0.00	32.01 0.60 0.00	33.79 0.50 0.00	35.86 0.32 0.00	42.94 0.55 0.00	56.19 0.67 0.00	82.02 1.28 -0.46	87.42 1.61 -1.10	80.98 2.54 -1.41	64.80 2.05 -0.50	46.63 1.35 -0.13	41.87 1.06 -0.07	35.64 0.56 -0.01
LI_NEWBRDGE___DRP 323616	39.14 1.23 -0.72	34.30 1.11 -0.68	30.40 0.93 -0.45	28.20 0.74 0.00	28.34 0.66 -0.06	29.30 0.56 -0.86	32.86 0.80 0.00	33.98 0.89 0.00	29.42 0.76 -0.51	26.98 0.94 0.00	27.58 1.44 0.00	29.85 1.72 0.00	33.52 2.10 0.00	35.43 2.13 -0.01	38.19 2.35 -0.30	44.68 2.29 -0.01	57.80 2.28 0.00	84.73 3.37 -1.08	89.86 3.64 -1.51	81.67 2.46 -2.18	64.68 1.74 -0.69	47.64 1.35 -1.14	43.34 1.79 -0.81	37.25 1.72 -0.46
LOCKPORT_115KV_TB60_63_64 80432	35.78 -1.41 0.00	30.92 -1.59 0.00	27.71 -1.31 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.16 -1.89 0.00	30.93 -2.15 0.00	26.83 -1.32 0.00	25.05 -0.99 0.00	25.02 -1.12 0.00	26.98 -1.15 0.00	30.00 -1.41 0.00	32.09 -1.20 0.00	34.08 -1.46 0.00	40.18 -2.20 0.00	51.08 -4.44 0.00	75.51 -6.02 -1.25	82.48 -5.25 -3.02	73.91 -7.01 -3.89	57.02 -5.29 -0.07	40.52 -3.88 0.75	36.62 -3.38 0.74	32.24 -2.10 0.71
LOCKPORT___CC1 323769	35.74 -1.45 0.00	30.66 -1.85 0.00	27.65 -1.36 0.00	26.28 -1.18 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.55 -1.51 0.00	31.20 -1.88 0.00	26.97 -1.18 0.00	25.08 -0.96 0.00	25.23 -0.92 0.00	27.01 -1.13 0.00	30.12 -1.29 0.00	32.13 -1.17 0.00	34.12 -1.42 0.00	40.48 -1.91 0.00	51.47 -4.05 0.00	75.91 -5.62 -1.26	83.08 -4.66 -3.03	75.68 -5.24 -3.90	57.22 -5.10 -0.08	40.97 -3.43 0.74	37.07 -2.93 0.73	32.60 -1.75 0.71
LOCKPORT___CC2 323770	35.74 -1.45 0.00	30.66 -1.85 0.00	27.65 -1.36 0.00	26.28 -1.18 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.55 -1.51 0.00	31.20 -1.88 0.00	26.97 -1.18 0.00	25.08 -0.96 0.00	25.23 -0.92 0.00	27.01 -1.13 0.00	30.12 -1.29 0.00	32.13 -1.17 0.00	34.12 -1.42 0.00	40.48 -1.91 0.00	51.47 -4.05 0.00	75.91 -5.62 -1.26	83.08 -4.66 -3.03	75.68 -5.24 -3.90	57.22 -5.10 -0.08	40.97 -3.43 0.74	37.07 -2.93 0.73	32.60 -1.75 0.71
LOCKPORT___CC3 323771	35.74 -1.45 0.00	30.66 -1.85 0.00	27.65 -1.36 0.00	26.28 -1.18 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.55 -1.51 0.00	31.20 -1.88 0.00	26.97 -1.18 0.00	25.08 -0.96 0.00	25.23 -0.92 0.00	27.01 -1.13 0.00	30.12 -1.29 0.00	32.13 -1.17 0.00	34.12 -1.42 0.00	40.48 -1.91 0.00	51.47 -4.05 0.00	75.91 -5.62 -1.26	83.08 -4.66 -3.03	75.68 -5.24 -3.90	57.22 -5.10 -0.08	40.97 -3.43 0.74	37.07 -2.93 0.73	32.60 -1.75 0.71
LOCUSVLY_69_KV_BK2 55797	39.51 1.60 -0.72	34.65 1.46 -0.68	30.72 1.25 -0.45	28.53 1.07 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	33.21 1.15 0.00	34.34 1.26 0.00	29.75 1.10 -0.51	27.29 1.25 0.00	27.84 1.70 0.00	30.14 2.00 0.00	33.77 2.36 0.00	35.84 2.53 -0.01	38.58 2.74 -0.31	45.20 2.80 -0.01	58.52 3.00 0.00	85.86 4.50 -1.09	91.81 4.83 -2.27	82.68 3.47 -2.19	65.49 2.55 -0.69	48.32 2.03 -1.14	43.79 2.24 -0.81	37.63 2.10 -0.46
LONG_LAKE_PHOENIX 24014	36.59 -0.60 0.00	31.96 -0.55 0.00	28.52 -0.49 0.00	26.99 -0.47 0.00	27.14 -0.47 0.00	27.46 -0.42 0.00	31.51 -0.54 0.00	32.59 -0.50 0.00	27.75 -0.39 0.00	25.65 -0.39 0.00	25.73 -0.42 0.00	27.66 -0.48 0.00	30.88 -0.53 0.00	32.79 -0.50 0.00	35.01 -0.53 0.00	41.83 -0.55 0.00	54.75 -0.78 0.00	84.00 -0.72 -4.44	95.07 -0.34 -10.70	90.10 -0.69 -13.77	67.42 -0.68 -5.86	46.73 -0.54 -2.12	41.48 -0.69 -1.43	35.25 -0.49 -0.68
LOVETT___3 23632	39.25 1.38 -0.68	34.52 1.37 -0.65	30.63 1.19 -0.43	28.55 1.10 0.00	28.75 1.08 -0.06	29.70 1.00 -0.82	33.24 1.19 0.00	34.41 1.32 0.00	29.78 1.15 -0.48	27.29 1.25 0.00	27.53 1.39 0.00	29.66 1.52 0.00	33.17 1.76 0.00	35.16 1.86 0.00	37.92 2.10 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.81 4.50 -1.03	92.41 4.83 -2.87	82.65 3.54 -2.08	65.52 2.61 -0.66	48.21 1.99 -1.08	43.55 2.04 -0.77	37.33 1.82 -0.44
LOVETT___4 23642	39.25 1.38 -0.68	34.52 1.37 -0.65	30.63 1.19 -0.43	28.55 1.10 0.00	28.75 1.08 -0.06	29.70 1.00 -0.82	33.24 1.19 0.00	34.41 1.32 0.00	29.78 1.15 -0.48	27.29 1.25 0.00	27.53 1.39 0.00	29.66 1.52 0.00	33.17 1.76 0.00	35.16 1.86 0.00	37.92 2.10 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.81 4.50 -1.03	92.41 4.83 -2.87	82.65 3.54 -2.08	65.52 2.61 -0.66	48.21 1.99 -1.08	43.55 2.04 -0.77	37.33 1.82 -0.44
LOVETT___5 23593	39.25 1.38 -0.68	34.52 1.37 -0.65	30.63 1.19 -0.43	28.55 1.10 0.00	28.75 1.08 -0.06	29.70 1.00 -0.82	33.24 1.19 0.00	34.41 1.32 0.00	29.78 1.15 -0.48	27.29 1.25 0.00	27.53 1.39 0.00	29.66 1.52 0.00	33.17 1.76 0.00	35.16 1.86 0.00	37.92 2.10 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.81 4.50 -1.03	92.41 4.83 -2.87	82.65 3.54 -2.08	65.52 2.61 -0.66	48.21 1.99 -1.08	43.55 2.04 -0.77	37.33 1.82 -0.44
LOWER RAQUET___HYD 24057	37.82 0.63 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.89 0.44 0.00	28.02 0.41 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.58 0.50 0.00	28.49 0.34 0.00	26.28 0.23 0.00	26.46 0.31 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.72 0.43 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.34 0.00	81.33 0.57 -0.48	86.30 0.43 -1.16	79.75 1.23 -1.50	64.09 1.31 -0.53	46.19 0.90 -0.14	41.51 0.69 -0.08	35.35 0.28 -0.01
LOWER___HUDSON 24059	46.35 1.23 -7.93	41.11 1.07 -7.53	35.02 0.99 -5.02	28.39 0.93 0.00	29.29 0.97 -0.72	38.31 0.92 -9.52	54.49 1.06 -21.38	59.98 1.06 -25.84	34.55 0.79 -5.62	26.69 0.65 0.00	26.69 0.55 0.00	28.73 0.59 0.00	32.04 0.63 0.00	33.92 0.63 0.00	36.06 0.78 0.26	43.36 0.98 0.00	57.19 1.66 0.00	95.45 3.13 -12.04	121.66 3.47 -33.48	104.01 2.69 -24.29	71.86 1.93 -7.68	59.27 1.54 -12.58	51.18 1.46 -8.98	41.49 1.30 -5.13
LOWVILLE_115KV_TB2 356335	38.01 0.82 0.00	33.26 0.75 0.00	29.51 0.49 0.00	27.81 0.36 0.00	27.89 0.28 0.00	28.02 0.14 0.00	32.21 0.16 0.00	33.22 0.13 0.00	28.09 -0.06 0.00	25.73 -0.31 0.00	25.96 -0.18 0.00	28.03 -0.11 0.00	31.38 -0.03 0.00	33.23 -0.07 0.00	35.43 -0.11 0.00	42.51 0.13 0.00	55.97 0.44 0.00	83.31 1.93 -1.11	90.01 2.63 -2.67	82.69 2.23 -3.43	64.71 1.24 -1.21	46.28 0.81 -0.32	41.33 0.41 -0.18	35.20 0.11 -0.03
LUTHERFT_115KV_GLOB_FND_222 355753	43.60 1.45 -4.96	38.48 1.27 -4.71	33.34 1.19 -3.14	28.58 1.13 0.00	29.22 1.16 -0.45	34.92 1.09 -5.95	33.30 1.25 0.00	34.27 1.19 0.00	32.45 0.79 -3.51	26.62 0.57 0.00	26.54 0.39 0.00	28.56 0.42 0.00	31.85 0.44 0.00	33.73 0.43 0.00	36.01 0.68 0.20	43.32 0.93 0.00	57.52 2.00 0.00	91.58 3.77 -7.53	110.06 4.41 -20.94	95.61 3.39 -15.20	69.60 2.55 -4.81	54.87 1.85 -7.87	48.11 1.75 -5.62	39.74 1.47 -3.21



LUTHERNY_35_KV_BK2 355980	43.64 1.49 -4.96	38.52 1.30 -4.71	33.34 1.19 -3.14	28.58 1.13 0.00	29.22 1.16 -0.45	34.94 1.12 -5.95	33.34 1.28 0.00	34.31 1.22 0.00	32.45 0.79 -3.51	26.62 0.57 0.00	26.54 0.39 0.00	28.56 0.42 0.00	31.85 0.44 0.00	33.73 0.43 0.00	36.01 0.68 0.20	43.36 0.97 0.00	57.58 2.05 0.00	91.66 3.85 -7.53	110.06 4.41 -20.94	95.69 3.47 -15.20	69.67 2.61 -4.81	54.91 1.90 -7.87	48.15 1.79 -5.62	39.78 1.51 -3.21
LWR___OSWEGATCHIE_HYD 23850	37.86 0.67 0.00	33.13 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.53 1.61 -2.21	81.79 1.93 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
LYONS_FALL_HYD 23570	37.89 0.70 0.00	33.16 0.65 0.00	29.51 0.49 0.00	27.81 0.36 0.00	27.94 0.33 0.00	28.10 0.22 0.00	32.34 0.29 0.00	33.45 0.36 0.00	28.26 0.11 0.00	25.94 -0.10 0.00	26.12 -0.03 0.00	28.14 0.00 0.00	31.51 0.09 0.00	33.36 0.07 0.00	35.57 0.04 0.00	42.68 0.30 0.00	56.14 0.61 0.00	83.17 2.01 -0.88	89.47 2.63 -2.13	82.00 2.24 -2.74	64.58 1.37 -0.97	46.31 0.90 -0.26	41.41 0.53 -0.14	35.36 0.28 -0.02
MADISON___COUNTY_LFGE 323628	37.86 0.67 0.00	33.13 0.62 0.00	29.54 0.52 0.00	27.92 0.47 0.00	28.08 0.47 0.00	28.35 0.47 0.00	32.57 0.51 0.00	33.65 0.56 0.00	28.54 0.39 0.00	26.25 0.21 0.00	26.33 0.18 0.00	28.36 0.23 0.00	31.73 0.31 0.00	33.63 0.33 0.00	35.89 0.36 0.00	43.02 0.64 0.00	56.52 1.00 0.00	83.77 2.33 -1.16	90.57 3.05 -2.81	83.10 2.46 -3.61	64.95 1.74 -0.96	46.39 1.17 -0.07	41.48 0.77 0.04	35.55 0.63 0.15
MALONE___115KV_TB1 356076	38.27 1.08 0.00	33.45 0.94 0.00	29.86 0.84 0.00	28.22 0.77 0.00	28.33 0.72 0.00	28.74 0.86 0.00	33.08 1.03 0.00	33.94 0.86 0.00	28.96 0.82 0.00	26.77 0.73 0.00	27.03 0.89 0.00	29.29 1.15 0.00	32.61 1.19 0.00	34.42 1.13 0.00	36.43 0.89 0.00	43.32 0.93 0.00	56.19 0.67 0.00	81.24 0.96 0.00	85.90 1.19 0.00	79.10 2.08 0.00	63.86 1.62 0.00	46.23 1.08 0.00	41.88 1.14 0.00	35.48 0.42 0.00
MAPLEWOD_115KV_TB3 80458	46.99 0.89 -8.91	41.74 0.78 -8.45	35.38 0.73 -5.63	28.11 0.66 0.00	29.11 0.69 -0.80	39.20 0.64 -10.69	32.95 0.90 0.00	33.98 0.89 0.00	34.96 0.51 -6.31	26.43 0.39 0.00	26.48 0.34 0.00	28.50 0.37 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.88 0.53 0.20	43.02 0.64 0.00	56.75 1.22 0.00	96.13 2.33 -13.52	124.84 2.54 -37.59	106.07 1.77 -27.28	72.18 1.31 -8.63	60.40 1.13 -14.13	51.96 1.14 -10.08	41.80 0.98 -5.75
MAPLE_RIDGE_WT_1 323574	37.04 -0.15 0.00	32.31 -0.19 0.00	28.78 -0.23 0.00	27.18 -0.27 0.00	27.28 -0.33 0.00	27.54 -0.33 0.00	31.67 -0.38 0.00	32.69 -0.40 0.00	27.89 -0.25 0.00	25.89 -0.16 0.00	26.07 -0.08 0.00	28.11 -0.03 0.00	31.38 -0.03 0.00	33.23 -0.07 0.00	35.47 -0.07 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	80.04 -0.24 0.00	84.21 -0.51 0.00	76.33 -0.69 0.00	61.37 -0.87 0.00	44.29 -0.86 0.00	39.84 -0.90 0.00	34.19 -0.88 0.00
MAPLE_RIDGE_WT_2 323611	37.04 -0.15 0.00	32.31 -0.19 0.00	28.78 -0.23 0.00	27.18 -0.27 0.00	27.28 -0.33 0.00	27.54 -0.33 0.00	31.67 -0.38 0.00	32.69 -0.40 0.00	27.89 -0.25 0.00	25.89 -0.16 0.00	26.07 -0.08 0.00	28.11 -0.03 0.00	31.38 -0.03 0.00	33.23 -0.07 0.00	35.47 -0.07 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	80.04 -0.24 0.00	84.21 -0.51 0.00	76.33 -0.69 0.00	61.37 -0.87 0.00	44.29 -0.86 0.00	39.84 -0.90 0.00	34.19 -0.88 0.00
MARBLE_RIVER_WT_PWR 323696	38.45 1.27 0.00	33.58 1.07 0.00	29.97 0.96 0.00	28.33 0.88 0.00	28.41 0.80 0.00	28.79 0.92 0.00	33.18 1.12 0.00	34.14 1.06 0.00	29.11 0.96 0.00	26.98 0.94 0.00	27.24 1.10 0.00	29.57 1.43 0.00	32.92 1.51 0.00	34.76 1.46 0.00	36.78 1.24 0.00	43.23 0.85 0.00	54.75 -0.78 0.00	78.59 -1.69 0.00	82.68 -2.03 0.00	76.10 -0.92 0.00	61.75 -0.50 0.00	45.19 0.05 0.00	41.84 1.10 0.00	35.17 0.11 0.00
MARSHVLE_115KV_TB1 80742	42.17 2.60 -2.38	37.04 2.28 -2.26	32.58 2.06 -1.51	29.43 1.98 0.00	29.81 1.99 -0.22	32.71 1.98 -2.86	34.23 2.18 0.00	34.97 1.89 0.00	30.65 0.82 -1.69	26.36 0.31 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.51 0.09 0.00	33.39 0.10 0.00	35.75 0.32 0.10	43.11 0.72 0.00	57.86 2.33 0.00	89.92 6.02 -3.61	103.15 8.39 -10.05	91.25 6.93 -7.29	69.84 5.29 -2.31	52.54 3.61 -3.78	46.57 3.14 -2.70	39.16 2.56 -1.54
MARSH_HILL_WT_PWR 323713	36.75 -0.44 0.00	31.86 -0.65 0.00	28.43 -0.58 0.00	26.91 -0.55 0.00	27.11 -0.50 0.00	27.40 -0.47 0.00	31.41 -0.64 0.00	32.39 -0.70 0.00	27.73 -0.42 0.00	25.60 -0.44 0.00	25.70 -0.44 0.00	27.60 -0.54 0.00	30.82 -0.60 0.00	32.83 -0.47 0.00	35.04 -0.50 0.00	41.70 -0.68 0.00	53.91 -1.61 0.00	80.40 -1.37 -1.49	88.56 0.25 -3.59	80.49 -1.15 -4.62	61.07 -1.93 -0.76	43.25 -1.58 0.32	38.55 -1.79 0.39	33.37 -1.23 0.46
MCINTYRE_115KV_TB2 80467	38.16 0.97 0.00	33.42 0.91 0.00	29.83 0.81 0.00	28.17 0.71 0.00	28.30 0.69 0.00	28.66 0.78 0.00	32.95 0.90 0.00	33.81 0.73 0.00	28.68 0.53 0.00	26.36 0.31 0.00	26.54 0.39 0.00	28.70 0.56 0.00	31.98 0.57 0.00	33.79 0.50 0.00	35.86 0.32 0.00	42.98 0.59 0.00	56.36 0.83 0.00	82.22 1.53 -0.41	87.65 1.95 -0.99	81.22 2.93 -1.27	65.06 2.37 -0.45	46.76 1.49 -0.12	41.99 1.18 -0.07	35.74 0.67 -0.01
MECO_____69_KV_BK1 80468	42.50 2.75 -2.56	37.31 2.37 -2.43	32.81 2.18 -1.62	29.52 2.06 0.00	29.94 2.10 -0.23	33.01 2.06 -3.07	34.33 2.28 0.00	35.10 2.02 0.00	30.86 0.90 -1.81	26.38 0.34 0.00	26.12 -0.03 0.00	28.08 -0.06 0.00	31.29 -0.13 0.00	33.19 -0.10 0.00	35.67 0.25 0.12	43.15 0.76 0.00	58.19 2.67 0.00	90.67 6.50 -3.89	104.25 8.73 -10.81	92.03 7.16 -7.85	70.21 5.48 -2.48	52.91 3.70 -4.06	46.94 3.30 -2.90	39.38 2.66 -1.66
MENANDS___115KV_TB5 355628	45.86 0.67 -8.00	40.71 0.62 -7.59	34.65 0.58 -5.06	27.98 0.52 0.00	28.88 0.55 -0.72	37.97 0.50 -9.59	32.82 0.77 0.00	33.84 0.76 0.00	34.23 0.42 -5.66	26.36 0.31 0.00	26.41 0.26 0.00	28.42 0.28 0.00	31.73 0.31 0.00	33.56 0.27 0.00	35.77 0.43 0.20	42.85 0.47 0.00	56.41 0.89 0.00	94.26 1.85 -12.14	120.41 1.95 -33.75	102.75 1.23 -24.49	70.86 0.87 -7.75	58.74 0.90 -12.68	50.73 0.94 -9.05	41.04 0.81 -5.17
MG INDUSTRY___DRP 24185	29.52 -0.07 7.59	25.27 -0.03 7.21	24.21 0.00 4.80	27.43 -0.03 0.00	26.92 0.00 0.69	18.71 -0.06 9.11	32.09 0.03 0.00	33.05 -0.03 0.00	22.49 -0.28 5.38	25.63 -0.42 0.00	25.66 -0.47 0.01	27.62 -0.51 0.01	30.83 -0.57 0.01	32.61 -0.67 0.01	34.90 -0.53 0.10	41.09 -0.64 0.66	55.02 -0.50 0.00	68.62 0.00 11.66	52.84 0.17 32.05	53.46 -0.31 23.26	54.58 -0.31 7.36	33.06 -0.05 12.04	32.22 0.08 8.60	30.23 0.07 4.91



MID___OSWEGATCHIE_HYD 23849	37.86 0.67 0.00	33.13 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.53 1.61 -2.21	81.79 1.93 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
MID___RAQUETTE_HYD 23851	37.82 0.63 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.90 0.44 0.00	28.02 0.41 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.51 0.43 0.00	28.51 0.37 0.00	26.28 0.23 0.00	26.48 0.34 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.73 0.43 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.33 0.00	81.33 0.56 -0.48	86.56 0.68 -1.16	80.14 1.62 -1.50	64.08 1.31 -0.53	46.19 0.90 -0.14	41.51 0.69 -0.08	35.36 0.28 -0.01
MILLIKEN___1 23584	37.52 0.33 0.00	32.74 0.23 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.80 0.19 0.00	28.07 0.20 0.00	32.21 0.16 0.00	33.31 0.23 0.00	28.35 0.20 0.00	26.17 0.13 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.46 0.17 0.00	35.75 0.21 0.00	42.77 0.38 0.00	56.02 0.50 0.00	83.99 1.53 -2.18	92.34 2.37 -5.25	85.33 1.54 -6.76	65.70 1.06 -2.39	46.41 0.63 -0.63	41.42 0.33 -0.35	35.47 0.35 -0.06
MILLIKEN___2 23585	37.52 0.33 0.00	32.74 0.23 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.80 0.19 0.00	28.07 0.20 0.00	32.21 0.16 0.00	33.31 0.23 0.00	28.35 0.20 0.00	26.17 0.13 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.46 0.17 0.00	35.75 0.21 0.00	42.77 0.38 0.00	56.02 0.50 0.00	83.99 1.53 -2.18	92.34 2.37 -5.25	85.33 1.54 -6.76	65.70 1.06 -2.39	46.41 0.63 -0.63	41.42 0.33 -0.35	35.47 0.35 -0.06
MILLIKEN___DIESEL 23629	37.52 0.33 0.00	32.74 0.23 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.80 0.19 0.00	28.07 0.20 0.00	32.21 0.16 0.00	33.31 0.23 0.00	28.35 0.20 0.00	26.17 0.13 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.46 0.17 0.00	35.75 0.21 0.00	42.77 0.38 0.00	56.02 0.50 0.00	83.99 1.53 -2.18	92.34 2.37 -5.25	85.33 1.54 -6.76	65.70 1.06 -2.39	46.41 0.63 -0.63	41.42 0.33 -0.35	35.47 0.35 -0.06
MILLSEAT___LFGE 323607	36.30 -0.89 0.00	31.14 -1.36 0.00	28.06 -0.96 0.00	26.69 -0.77 0.00	26.81 -0.80 0.00	27.10 -0.78 0.00	31.09 -0.96 0.00	31.83 -1.26 0.00	27.42 -0.73 0.00	25.44 -0.60 0.00	25.57 -0.58 0.00	27.35 -0.79 0.00	30.57 -0.85 0.00	32.59 -0.70 0.00	34.62 -0.92 0.00	41.20 -1.19 0.00	52.69 -2.83 0.00	77.92 -3.61 -1.25	85.36 -2.37 -3.02	77.82 -3.08 -3.88	58.87 -3.42 -0.04	42.08 -2.30 0.77	37.90 -2.08 0.76	33.14 -1.19 0.73
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	39.39 1.49 -0.71	34.65 1.46 -0.68	30.71 1.25 -0.45	28.61 1.15 0.00	28.81 1.13 -0.06	29.79 1.06 -0.86	33.30 1.25 0.00	34.47 1.39 0.00	29.86 1.21 -0.51	27.34 1.30 0.00	27.58 1.44 0.00	29.74 1.60 0.00	33.27 1.85 0.00	35.26 1.96 0.00	38.00 2.17 -0.29	44.67 2.29 0.00	58.41 2.89 0.00	86.02 4.66 -1.08	92.72 5.00 -3.01	82.91 3.70 -2.19	65.61 2.68 -0.69	48.31 2.03 -1.13	43.66 2.12 -0.81	37.42 1.89 -0.46
MILLWOOD_13_KV_LOAD 356217	39.43 1.52 -0.71	34.68 1.50 -0.68	30.77 1.31 -0.45	28.66 1.21 0.00	28.83 1.16 -0.06	29.85 1.12 -0.86	33.34 1.28 0.00	34.54 1.46 0.00	29.89 1.24 -0.51	27.37 1.33 0.00	27.64 1.49 0.00	29.80 1.66 0.00	33.33 1.92 0.00	35.32 2.03 0.00	38.10 2.27 -0.29	44.80 2.42 0.00	58.58 3.05 0.00	86.18 4.82 -1.08	92.98 5.25 -3.01	83.06 3.85 -2.19	65.74 2.80 -0.69	48.45 2.17 -1.13	43.75 2.20 -0.81	37.49 1.96 -0.46
MODEL_CITY_ENERGY 24167	35.63 -1.56 0.00	30.36 -2.15 0.00	27.56 -1.45 0.00	26.19 -1.26 0.00	26.37 -1.24 0.00	26.62 -1.25 0.00	30.45 -1.60 0.00	31.00 -2.08 0.00	26.74 -1.41 0.00	24.84 -1.20 0.00	25.02 -1.12 0.00	26.76 -1.38 0.00	29.84 -1.57 0.00	31.80 -1.50 0.00	33.80 -1.74 0.00	40.05 -2.33 0.00	50.86 -4.66 0.00	75.03 -6.50 -1.25	82.06 -5.67 -3.02	74.75 -6.16 -3.89	56.54 -5.79 -0.08	40.53 -3.88 0.74	36.71 -3.30 0.73	32.29 -2.07 0.71
MODERN_LFGE___ 323580	35.63 -1.56 0.00	30.36 -2.15 0.00	27.56 -1.45 0.00	26.19 -1.26 0.00	26.37 -1.24 0.00	26.62 -1.25 0.00	30.45 -1.60 0.00	31.00 -2.08 0.00	26.74 -1.41 0.00	24.84 -1.20 0.00	25.02 -1.12 0.00	26.76 -1.38 0.00	29.84 -1.57 0.00	31.80 -1.50 0.00	33.80 -1.74 0.00	40.05 -2.33 0.00	50.86 -4.66 0.00	75.03 -6.50 -1.25	82.06 -5.67 -3.02	74.75 -6.16 -3.89	56.54 -5.79 -0.08	40.53 -3.88 0.74	36.71 -3.30 0.73	32.29 -2.07 0.71
MOHAWK_PAPER___DRP 24187	46.99 0.89 -8.91	41.74 0.78 -8.45	35.38 0.73 -5.63	28.11 0.66 0.00	29.11 0.69 -0.80	39.20 0.64 -10.69	32.95 0.90 0.00	33.98 0.89 0.00	34.96 0.51 -6.31	26.43 0.39 0.00	26.48 0.34 0.00	28.50 0.37 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.88 0.53 0.20	43.02 0.64 0.00	56.75 1.22 0.00	96.13 2.33 -13.52	124.84 2.54 -37.59	106.07 1.77 -27.28	72.18 1.31 -8.63	60.40 1.13 -14.13	51.96 1.14 -10.08	41.80 0.98 -5.75
MOHICAN___35_KV_115KV_LD 80490	43.41 1.41 -4.81	38.31 1.24 -4.57	33.22 1.16 -3.04	28.58 1.13 0.00	29.23 1.19 -0.43	34.74 1.09 -5.77	33.27 1.22 0.00	34.17 1.09 0.00	32.17 0.62 -3.41	26.41 0.36 0.00	26.22 0.08 0.00	28.25 0.11 0.00	31.48 0.06 0.00	33.33 0.03 0.00	35.66 0.32 0.20	42.98 0.59 0.00	57.47 1.94 0.00	91.60 4.01 -7.30	109.76 4.74 -20.30	95.46 3.70 -14.74	69.58 2.68 -4.66	54.63 1.85 -7.63	47.94 1.75 -5.45	39.57 1.40 -3.11
MONGAUP___HYD 23641	39.20 1.41 -0.60	34.44 1.37 -0.57	30.58 1.19 -0.38	28.58 1.13 0.00	28.77 1.11 -0.05	29.63 1.03 -0.72	34.79 1.12 -1.62	36.29 1.26 -1.95	29.53 0.96 -0.42	27.03 0.99 0.00	27.14 0.99 0.00	29.23 1.10 0.00	32.70 1.29 0.00	34.72 1.43 0.00	37.43 1.64 -0.26	44.25 1.86 0.00	58.24 2.72 0.00	86.09 4.90 -0.91	92.83 5.59 -2.53	83.17 4.31 -1.84	65.88 3.05 -0.58	48.27 2.17 -0.95	43.45 2.04 -0.68	37.20 1.75 -0.39
MONTAUK___DIESEL 23721	39.69 1.79 -0.72	34.65 1.46 -0.68	30.72 1.25 -0.45	28.50 1.04 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	33.46 1.41 0.00	34.67 1.59 0.00	29.87 1.21 -0.51	27.45 1.41 0.00	28.29 2.14 0.00	30.64 2.50 0.00	34.46 3.05 0.00	36.76 3.46 -0.01	39.47 3.63 -0.30	46.12 3.73 -0.01	59.19 3.66 0.00	86.34 4.98 -1.08	91.11 5.08 -1.32	73.03 3.47 7.46	53.19 2.24 11.30	48.09 1.81 -1.14	43.75 2.20 -0.81	37.63 2.10 -0.46
MOONROAD_115KV_HARTFLD_TB1-2 355988	35.78 -1.41 0.00	30.95 -1.56 0.00	27.68 -1.33 0.00	26.28 -1.18 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.07 -1.99 0.00	31.07 -2.02 0.00	27.13 -1.01 0.00	25.63 -0.42 0.00	25.78 -0.37 0.00	27.91 -0.23 0.00	31.10 -0.31 0.00	33.33 0.03 0.00	35.54 0.00 0.00	42.09 -0.30 0.00	53.64 -1.89 0.00	79.49 -2.09 -1.30	86.92 -0.93 -3.13	77.52 -3.54 -4.04	59.32 -3.17 -0.25	41.77 -2.75 0.62	37.41 -2.69 0.64	32.57 -1.86 0.64



MORRIS_RIDGE___SOLAR 323848	36.26 -0.93 0.00	31.47 -1.04 0.00	28.12 -0.90 0.00	26.63 -0.82 0.00	26.81 -0.80 0.00	27.07 -0.81 0.00	31.03 -1.03 0.00	31.92 -1.16 0.00	27.33 -0.82 0.00	25.26 -0.78 0.00	25.39 -0.76 0.00	27.21 -0.93 0.00	30.38 -1.04 0.00	32.40 -0.90 0.00	34.51 -1.03 0.00	40.99 -1.40 0.00	52.80 -2.72 0.00	78.73 -2.97 -1.41	86.76 -1.36 -3.41	79.02 -2.39 -4.39	60.04 -2.80 -0.59	42.67 -2.08 0.41	38.24 -2.04 0.46	33.25 -1.30 0.51
MORTIMER_115KV_TB3 55949	36.45 -0.74 0.00	31.66 -0.85 0.00	28.26 -0.75 0.00	26.82 -0.63 0.00	26.95 -0.66 0.00	27.26 -0.61 0.00	31.12 -0.93 0.00	32.16 -0.93 0.00	27.67 -0.48 0.00	25.70 -0.34 0.00	25.75 -0.39 0.00	27.69 -0.45 0.00	30.91 -0.50 0.00	32.96 -0.33 0.00	35.04 -0.50 0.00	41.75 -0.64 0.00	54.08 -1.44 0.00	79.91 -1.61 -1.24	86.94 -0.76 -2.98	79.02 -1.85 -3.84	60.67 -1.49 0.09	43.06 -1.22 0.87	38.63 -1.26 0.84	33.50 -0.77 0.79
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.80 1.35 0.00	29.00 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.61 1.56 0.00	27.87 1.73 0.00	30.05 1.91 0.00	33.64 2.23 0.00	35.66 2.36 0.00	38.39 2.56 -0.29	45.05 2.67 0.00	58.86 3.33 0.00	86.59 5.22 -1.09	93.42 5.68 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	44.00 2.44 -0.81	37.74 2.21 -0.46
MUNSVILLE_WIND_PWR 323609	39.05 1.86 0.00	34.13 1.62 0.00	30.47 1.45 0.00	28.75 1.29 0.00	28.94 1.33 0.00	29.24 1.37 0.00	33.62 1.57 0.00	34.87 1.79 0.00	29.36 1.21 0.00	26.72 0.68 0.00	26.75 0.60 0.00	28.79 0.65 0.00	32.33 0.91 0.00	34.19 0.90 0.00	36.51 0.92 -0.04	44.04 1.65 0.00	58.08 2.56 0.00	87.85 6.02 -1.54	96.22 7.79 -3.71	88.35 6.54 -4.78	68.42 4.48 -1.69	48.53 2.93 -0.45	43.02 2.04 -0.25	36.64 1.54 -0.04
N SALMON___HYD 24042	38.27 1.08 0.00	33.45 0.94 0.00	29.86 0.84 0.00	28.22 0.77 0.00	28.33 0.72 0.00	28.74 0.87 0.00	33.08 1.03 0.00	34.04 0.96 0.00	28.96 0.82 0.00	26.77 0.73 0.00	27.01 0.86 0.00	29.29 1.15 0.00	32.61 1.19 0.00	34.43 1.13 0.00	36.43 0.89 0.00	43.32 0.93 0.00	56.19 0.67 0.00	81.25 0.97 0.00	85.56 0.85 0.00	78.80 1.77 0.00	63.93 1.68 0.00	46.23 1.08 0.00	41.88 1.14 0.00	35.49 0.42 0.00
N.AKRON__115KV_KNAPP 355671	36.26 -0.93 0.00	31.34 -1.17 0.00	28.03 -0.99 0.00	26.69 -0.77 0.00	26.78 -0.83 0.00	27.04 -0.84 0.00	30.64 -1.41 0.00	31.46 -1.62 0.00	27.25 -0.90 0.00	25.42 -0.63 0.00	25.36 -0.78 0.00	27.32 -0.82 0.00	30.41 -1.01 0.00	32.56 -0.73 0.00	34.54 -1.00 0.00	40.86 -1.53 0.00	52.19 -3.33 0.00	77.28 -4.25 -1.25	84.60 -3.13 -3.02	75.98 -4.93 -3.89	58.50 -3.80 -0.05	41.54 -2.84 0.76	37.38 -2.61 0.75	32.79 -1.54 0.73
N.E_GEN_SANDY PD 24062	43.11 1.23 -4.69	38.10 1.14 -4.45	33.00 1.02 -2.97	28.39 0.93 0.00	29.00 0.97 -0.42	34.40 0.89 -5.63	45.80 1.09 -12.66	49.50 1.13 -15.29	32.40 0.93 -3.32	26.93 0.89 0.00	27.01 0.86 0.00	29.07 0.93 0.00	32.42 1.00 0.00	34.29 1.00 0.00	35.20 1.14 1.48	43.70 1.32 0.00	57.30 1.78 0.00	90.62 3.21 -7.13	108.00 3.47 -19.81	94.02 2.62 -14.38	68.60 1.81 -4.55	54.13 1.54 -7.45	47.60 1.55 -5.31	39.50 1.40 -3.03
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	39.28 1.41 -0.67	34.54 1.40 -0.64	30.66 1.22 -0.43	28.55 1.10 0.00	28.75 1.08 -0.06	29.72 1.03 -0.81	33.24 1.19 0.00	34.41 1.32 0.00	29.78 1.15 -0.48	27.29 1.25 0.00	27.53 1.39 0.00	29.66 1.52 0.00	33.17 1.76 0.00	35.19 1.90 0.00	37.92 2.10 -0.28	44.59 2.20 0.00	58.41 2.89 0.00	85.96 4.66 -1.02	92.55 5.00 -2.84	82.78 3.70 -2.06	65.58 2.68 -0.65	48.25 2.03 -1.07	43.58 2.08 -0.76	37.36 1.86 -0.44
N.QUEENS_27_KV_LOAD 356247	40.15 2.23 -0.73	35.18 1.98 -0.69	31.19 1.71 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.22 1.48 -0.87	33.59 1.54 0.00	34.77 1.69 0.00	30.18 1.52 -0.51	27.68 1.64 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.79 2.39 0.01	35.81 2.53 0.01	38.53 2.70 -0.29	45.05 2.67 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.99 3.05 -0.70	48.46 2.17 -1.14	44.24 2.69 -0.81	38.06 2.52 -0.47
N.TROY___115KV_TB1 355778	46.35 1.23 -7.93	41.14 1.11 -7.53	35.02 0.99 -5.02	28.39 0.93 0.00	29.29 0.97 -0.72	38.31 0.92 -9.52	33.21 1.15 0.00	34.24 1.16 0.00	34.58 0.82 -5.62	26.69 0.65 0.00	26.72 0.58 0.00	28.73 0.59 0.00	32.04 0.63 0.00	33.93 0.63 0.00	36.06 0.78 0.26	43.40 1.02 0.00	57.24 1.72 0.00	95.45 3.13 -12.04	121.58 3.39 -33.48	103.86 2.54 -24.29	71.86 1.93 -7.68	59.27 1.54 -12.58	51.22 1.51 -8.98	41.49 1.30 -5.13
NARROWS_GT1_1 24228	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_2 24229	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_3 24230	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_4 24231	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_5 24232	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47



NARROWS_GT1_6 24233	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_7 24234	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT1_8 24235	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_1 24236	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_2 24237	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_3 24238	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_4 24239	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_5 24240	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_6 24241	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_7 24242	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NARROWS_GT2_8 24243	39.77 1.86 -0.73	34.98 1.79 -0.69	31.04 1.57 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.08 1.65 -2.34	30.12 1.46 -0.51	27.66 1.62 0.00	27.90 1.75 0.00	30.19 2.05 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.88 2.50 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.46 4.23 -2.20	65.93 2.99 -0.70	48.41 2.12 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	30.03 1.00 8.16	25.67 0.91 7.75	24.66 0.81 5.16	28.03 0.58 0.00	27.65 0.77 0.74	18.81 0.72 9.79	32.79 0.74 0.00	33.78 0.69 0.00	22.76 0.39 5.78	26.02 -0.03 0.00	26.12 0.00 0.02	28.12 0.00 0.02	31.39 0.00 0.02	33.14 -0.13 0.02	35.79 0.32 0.07	41.91 0.55 1.02	56.47 0.94 0.00	70.89 3.21 12.61	54.08 3.81 34.45	54.80 2.77 25.00	56.33 1.99 7.91	33.78 1.58 12.95	32.88 1.39 9.24	30.91 1.12 5.27
NCHELSEA_115KV_TR2 355582	39.33 1.56 -0.58	34.55 1.50 -0.55	30.68 1.31 -0.36	28.66 1.21 0.00	28.85 1.19 -0.05	29.68 1.12 -0.69	33.37 1.31 0.00	34.51 1.42 0.00	29.71 1.15 -0.41	27.27 1.22 0.00	27.43 1.28 0.00	29.52 1.38 0.00	33.08 1.66 0.00	35.09 1.80 0.00	37.81 2.03 -0.25	44.67 2.29 0.00	58.58 3.05 0.00	86.29 5.14 -0.87	92.65 5.51 -2.43	82.87 4.08 -1.76	65.85 3.05 -0.56	48.36 2.30 -0.91	43.59 2.20 -0.65	37.36 1.93 -0.37
NEG CAPITAL___MECHNVIL 23645	44.54 1.56 -5.79	39.37 1.37 -5.49	33.93 1.25 -3.66	28.64 1.18 0.00	29.35 1.21 -0.52	35.99 1.17 -6.95	48.95 1.28 -15.61	53.17 1.22 -18.86	33.09 0.84 -4.10	26.69 0.65 0.00	26.62 0.47 0.00	28.67 0.53 0.00	31.95 0.53 0.00	33.86 0.57 0.00	36.10 0.78 0.22	43.48 1.10 0.00	57.69 2.16 0.00	93.16 4.09 -8.79	113.81 4.66 -24.44	98.53 3.77 -17.73	70.53 2.67 -5.61	56.27 1.94 -9.18	49.13 1.83 -6.55	40.35 1.54 -3.74
NEG CENTRAL_HIGH_ACRES 23767	35.89 -1.30 0.00	31.21 -1.30 0.00	27.82 -1.19 0.00	26.38 -1.07 0.00	26.53 -1.08 0.00	26.85 -1.03 0.00	30.87 -1.19 0.00	31.86 -1.22 0.00	27.30 -0.84 0.00	25.29 -0.76 0.00	25.39 -0.76 0.00	27.24 -0.90 0.00	30.47 -0.94 0.00	32.43 -0.87 0.00	34.47 -1.07 0.00	41.24 -1.14 0.00	53.58 -1.94 0.00	79.40 -2.33 -1.45	86.69 -1.52 -3.49	79.67 -1.85 -4.50	60.50 -2.05 -0.31	42.94 -1.54 0.67	38.46 -1.59 0.69	33.21 -1.16 0.70



NEG CENTRAL___DRP 24199	37.00 -0.19 0.00	32.25 -0.26 0.00	28.75 -0.26 0.00	27.24 -0.22 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.73 -0.32 0.00	32.82 -0.26 0.00	28.04 -0.11 0.00	25.91 -0.13 0.00	25.94 -0.21 0.00	27.91 -0.23 0.00	31.16 -0.25 0.00	33.16 -0.13 0.00	35.40 -0.14 0.00	42.22 -0.17 0.00	55.19 -0.33 0.00	82.79 0.16 -2.35	91.47 1.10 -5.65	84.38 0.08 -7.28	64.33 0.00 -2.08	45.23 -0.18 -0.26	40.31 -0.45 -0.02	34.67 -0.18 0.22
NEG CENTRAL___INDECK 23768	37.45 0.26 0.00	32.48 -0.03 0.00	28.96 -0.06 0.00	27.48 0.03 0.00	27.61 0.00 0.00	27.96 0.08 0.00	32.12 0.06 0.00	33.18 0.10 0.00	28.29 0.14 0.00	26.04 0.00 0.00	26.07 -0.08 0.00	27.91 -0.23 0.00	31.20 -0.22 0.00	33.29 0.00 0.00	35.47 -0.07 0.00	42.47 0.08 0.00	55.19 -0.33 0.00	82.38 0.72 -1.38	90.83 2.79 -3.33	83.15 1.85 -4.28	63.15 0.50 -0.41	44.83 0.23 0.54	39.96 -0.20 0.58	34.53 0.07 0.60
NEG CENTRAL___SENECA 23627	37.04 -0.15 0.00	32.25 -0.26 0.00	28.75 -0.26 0.00	27.24 -0.22 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.67 -0.38 0.00	32.79 -0.30 0.00	28.04 -0.11 0.00	25.94 -0.10 0.00	25.94 -0.21 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.19 -0.10 0.00	35.43 -0.11 0.00	42.17 -0.21 0.00	55.02 -0.50 0.00	82.18 0.08 -1.82	90.29 1.19 -4.39	82.60 -0.08 -5.66	63.32 -0.06 -1.14	44.67 -0.27 0.21	39.80 -0.61 0.33	34.41 -0.21 0.45
NEG CENTRAL___STATE_STREET 24147	37.08 -0.11 0.00	32.35 -0.16 0.00	28.84 -0.17 0.00	27.29 -0.16 0.00	27.47 -0.14 0.00	27.76 -0.11 0.00	31.86 -0.19 0.00	32.95 -0.13 0.00	28.09 -0.06 0.00	25.96 -0.08 0.00	25.99 -0.16 0.00	27.97 -0.17 0.00	31.26 -0.16 0.00	33.23 -0.07 0.00	35.50 -0.04 0.00	42.43 0.04 0.00	55.52 0.00 0.00	83.62 0.64 -2.70	92.66 1.44 -6.50	86.09 0.69 -8.37	65.58 0.37 -2.96	46.06 0.14 -0.78	41.01 -0.16 -0.44	35.10 -0.04 -0.07
NEG MILLWOOD___DRP 24198	39.53 1.67 -0.66	34.80 1.66 -0.63	30.86 1.42 -0.42	28.77 1.32 0.00	28.94 1.27 -0.06	29.87 1.20 -0.80	33.46 1.41 0.00	34.64 1.55 0.00	29.91 1.29 -0.47	27.40 1.35 0.00	27.66 1.52 0.00	29.77 1.63 0.00	33.39 1.98 0.00	35.36 2.06 0.00	38.15 2.35 -0.27	45.05 2.67 0.00	58.91 3.39 0.00	86.75 5.46 -1.01	93.37 5.85 -2.81	83.45 4.39 -2.04	66.07 3.17 -0.64	48.69 2.48 -1.05	43.89 2.40 -0.75	37.60 2.10 -0.43
NEG NORTH_FLCN_SEA 23793	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.55 0.94 0.00	28.91 1.03 0.00	33.30 1.25 0.00	34.17 1.09 0.00	29.22 1.07 0.00	27.06 1.02 0.00	27.32 1.18 0.00	29.63 1.49 0.00	32.98 1.57 0.00	34.82 1.53 0.00	36.85 1.31 0.00	43.23 0.85 0.00	54.52 -1.00 0.00	78.27 -2.01 0.00	82.68 -2.03 0.00	76.10 -0.92 0.00	61.44 -0.81 0.00	45.19 0.05 0.00	42.08 1.34 0.00	35.48 0.42 0.00
NEG NORTH_KES_CHATEGAY 23792	37.97 0.78 0.00	33.16 0.65 0.00	29.60 0.58 0.00	27.98 0.52 0.00	28.08 0.47 0.00	28.46 0.59 0.00	32.76 0.71 0.00	33.65 0.56 0.00	28.71 0.56 0.00	26.59 0.55 0.00	26.80 0.65 0.00	29.01 0.87 0.00	32.33 0.91 0.00	34.16 0.87 0.00	36.21 0.68 0.00	42.94 0.55 0.00	55.41 -0.11 0.00	79.88 -0.40 0.00	84.29 -0.42 0.00	77.64 0.62 0.00	62.68 0.44 0.00	45.51 0.36 0.00	41.43 0.69 0.00	35.10 0.04 0.00
NEG NORTH___ALICE_FALLS 23915	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.94 1.06 0.00	33.30 1.25 0.00	34.17 1.09 0.00	29.19 1.04 0.00	27.03 0.99 0.00	27.30 1.15 0.00	29.60 1.46 0.00	32.92 1.51 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.36 0.97 0.00	55.30 -0.22 0.00	79.72 -0.56 0.00	84.29 -0.42 0.00	77.56 0.54 0.00	62.62 0.37 0.00	45.69 0.54 0.00	42.12 1.39 0.00	35.52 0.46 0.00
NEG NORTH___LWR_SARANAC 23913	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.94 1.06 0.00	33.30 1.25 0.00	34.17 1.09 0.00	29.19 1.04 0.00	27.03 0.99 0.00	27.30 1.15 0.00	29.60 1.46 0.00	32.92 1.51 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.36 0.97 0.00	55.30 -0.22 0.00	79.72 -0.56 0.00	84.29 -0.42 0.00	77.56 0.54 0.00	62.62 0.37 0.00	45.69 0.54 0.00	42.12 1.39 0.00	35.52 0.46 0.00
NEG NORTH___PLATTSBURG 23628	38.57 1.38 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.94 1.06 0.00	33.30 1.25 0.00	34.24 1.16 0.00	29.19 1.04 0.00	27.03 0.99 0.00	27.27 1.12 0.00	29.60 1.46 0.00	32.95 1.54 0.00	34.79 1.50 0.00	36.82 1.28 0.00	43.36 0.98 0.00	55.30 -0.22 0.00	79.64 -0.65 0.00	83.87 -0.85 0.00	77.26 0.23 0.00	62.62 0.38 0.00	45.69 0.54 0.00	42.12 1.39 0.00	35.52 0.45 0.00
NEG WEST_LEA_LOCKPORT 23791	35.74 -1.45 0.00	30.88 -1.63 0.00	27.65 -1.36 0.00	26.30 -1.15 0.00	26.42 -1.19 0.00	26.68 -1.20 0.00	30.13 -1.92 0.00	30.90 -2.18 0.00	26.83 -1.32 0.00	25.08 -0.96 0.00	25.05 -1.10 0.00	27.01 -1.13 0.00	30.00 -1.41 0.00	32.13 -1.17 0.00	34.12 -1.42 0.00	40.14 -2.25 0.00	51.03 -4.50 0.00	75.35 -6.18 -1.26	82.40 -5.34 -3.03	73.83 -7.09 -3.90	56.97 -5.35 -0.08	40.43 -3.97 0.74	36.58 -3.42 0.73	32.21 -2.14 0.71
NEG WEST___LANCASTER 23811	35.37 -1.82 0.00	30.66 -1.85 0.00	27.45 -1.57 0.00	26.06 -1.40 0.00	26.20 -1.41 0.00	26.43 -1.45 0.00	29.87 -2.18 0.00	30.87 -2.22 0.00	26.88 -1.27 0.00	25.18 -0.86 0.00	25.20 -0.94 0.00	27.18 -0.96 0.00	30.22 -1.19 0.00	32.33 -0.97 0.00	34.44 -1.10 0.00	40.73 -1.65 0.00	52.03 -3.50 0.00	77.08 -4.50 -1.30	84.46 -3.39 -3.13	75.74 -5.31 -4.03	58.26 -4.23 -0.25	41.23 -3.30 0.62	37.13 -2.97 0.64	32.43 -2.00 0.64
NEG_PENN_ALLEGHNY 23528	37.23 0.04 0.00	32.48 -0.03 0.00	28.99 -0.03 0.00	27.46 0.00 0.00	27.64 0.03 0.00	27.88 0.00 0.00	32.02 -0.03 0.00	33.08 0.00 0.00	28.23 0.08 0.00	26.12 0.08 0.00	26.22 0.08 0.00	28.22 0.08 0.00	31.51 0.09 0.00	33.43 0.13 0.00	35.80 0.21 -0.05	42.64 0.26 0.00	55.63 0.11 0.00	82.54 0.72 -1.54	89.87 1.44 -3.71	82.57 0.77 -4.78	63.77 0.19 -1.34	45.39 0.09 -0.15	40.69 -0.04 0.00	35.01 0.11 0.16
NEG___GEN_MONROE 24207	36.52 -0.67 0.00	31.73 -0.78 0.00	28.32 -0.70 0.00	26.91 -0.55 0.00	27.00 -0.61 0.00	27.32 -0.56 0.00	31.16 -0.90 0.00	32.16 -0.93 0.00	27.64 -0.51 0.00	25.70 -0.34 0.00	25.70 -0.44 0.00	27.66 -0.48 0.00	30.85 -0.57 0.00	32.86 -0.43 0.00	34.90 -0.64 0.00	41.54 -0.85 0.00	53.75 -1.78 0.00	79.35 -2.17 -1.24	86.34 -1.36 -2.99	78.48 -2.39 -3.84	60.30 -1.87 0.08	42.80 -1.49 0.86	38.48 -1.43 0.84	33.47 -0.81 0.79
NEPA___ENERGY 23901	35.66 -1.52 0.00	30.98 -1.53 0.00	27.71 -1.31 0.00	26.33 -1.13 0.00	26.45 -1.16 0.00	26.68 -1.20 0.00	30.16 -1.89 0.00	31.13 -1.95 0.00	27.13 -1.01 0.00	25.42 -0.63 0.00	25.49 -0.65 0.00	27.49 -0.65 0.00	30.57 -0.85 0.00	32.66 -0.63 0.00	34.83 -0.71 0.00	41.16 -1.23 0.00	52.58 -2.94 0.00	77.96 -3.61 -1.30	85.29 -2.54 -3.12	76.50 -4.54 -4.02	58.82 -3.67 -0.24	41.68 -2.84 0.63	37.49 -2.61 0.64	32.74 -1.68 0.64



NEVERSINK___HYD 23608	38.60 1.41 0.00	33.87 1.37 0.00	30.20 1.19 0.00	28.58 1.13 0.00	28.72 1.11 0.00	28.88 1.00 0.00	33.18 1.12 0.00	34.37 1.29 0.00	29.16 1.01 0.00	27.11 1.07 0.00	27.22 1.07 0.00	29.32 1.18 0.00	32.83 1.41 0.00	34.86 1.57 0.00	37.56 1.81 -0.21	44.38 2.08 0.08	58.46 2.94 0.00	85.41 5.14 0.02	90.39 5.68 0.00	81.49 4.47 0.00	65.36 3.11 0.00	47.40 2.26 0.00	42.77 2.04 0.00	36.82 1.75 0.00
NEWKRMKL_115KV_TB1 55635	36.46 0.45 1.18	31.81 0.42 1.12	28.68 0.41 0.74	27.79 0.33 0.00	27.86 0.36 0.11	26.80 0.33 1.41	32.63 0.58 0.00	33.68 0.60 0.00	27.51 0.20 0.83	26.15 0.10 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.48 0.06 0.00	33.33 0.03 0.00	35.54 0.18 0.17	42.55 0.17 0.00	56.02 0.50 0.00	79.78 1.28 1.79	81.10 1.36 4.97	74.11 0.69 3.61	61.54 0.44 1.14	43.87 0.59 1.87	40.10 0.69 1.33	34.86 0.56 0.76
NEWTON___FALLS_HYD 23847	37.86 0.67 0.00	33.13 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.38 0.00	33.35 0.26 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.53 1.61 -2.21	81.79 1.93 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
NGRID_A1_DSASP 323792	34.85 -2.34 0.00	30.72 -1.79 0.00	27.01 -2.00 0.00	25.67 -1.78 0.00	25.82 -1.79 0.00	26.06 -1.81 0.00	29.78 -2.28 0.00	30.54 -2.55 0.00	26.51 -1.63 0.00	24.69 -1.36 0.00	24.86 -1.28 0.00	26.59 -1.55 0.00	29.66 -1.76 0.00	31.60 -1.70 0.00	33.55 -1.99 0.00	39.72 -2.67 0.00	50.36 -5.16 0.00	74.14 -7.38 -1.25	81.03 -6.69 -3.01	73.88 -7.01 -3.87	55.91 -6.41 -0.07	40.12 -4.29 0.74	36.38 -3.63 0.73	32.57 -1.79 0.71
NGRID_A2_DSASP 323793	34.85 -2.34 0.00	30.72 -1.79 0.00	27.01 -2.00 0.00	25.67 -1.78 0.00	25.82 -1.79 0.00	26.06 -1.81 0.00	29.78 -2.28 0.00	30.54 -2.55 0.00	26.51 -1.63 0.00	24.69 -1.36 0.00	24.86 -1.28 0.00	26.59 -1.55 0.00	29.66 -1.76 0.00	31.60 -1.70 0.00	33.55 -1.99 0.00	39.72 -2.67 0.00	50.36 -5.16 0.00	74.14 -7.38 -1.25	81.03 -6.69 -3.01	73.88 -7.01 -3.87	55.91 -6.41 -0.07	40.12 -4.29 0.74	36.38 -3.63 0.73	32.57 -1.79 0.71
NGRID_A4_DSASP 323807	34.85 -2.34 0.00	30.72 -1.79 0.00	27.01 -2.00 0.00	25.67 -1.78 0.00	25.82 -1.79 0.00	26.06 -1.81 0.00	29.78 -2.28 0.00	30.54 -2.55 0.00	26.51 -1.63 0.00	24.69 -1.36 0.00	24.86 -1.28 0.00	26.59 -1.55 0.00	29.66 -1.76 0.00	31.60 -1.70 0.00	33.55 -1.99 0.00	39.72 -2.67 0.00	50.36 -5.16 0.00	74.14 -7.38 -1.25	81.03 -6.69 -3.01	73.88 -7.01 -3.87	55.91 -6.41 -0.07	40.12 -4.29 0.74	36.38 -3.63 0.73	32.57 -1.79 0.71
NIAGARA_115E_LBMP 323715	35.55 -1.64 0.00	30.20 -2.31 0.00	27.50 -1.51 0.00	26.14 -1.32 0.00	26.31 -1.30 0.00	26.57 -1.31 0.00	30.39 -1.67 0.00	30.90 -2.18 0.00	26.63 -1.52 0.00	24.74 -1.30 0.00	24.89 -1.25 0.00	26.62 -1.52 0.00	29.69 -1.73 0.00	31.63 -1.66 0.00	33.62 -1.92 0.00	39.80 -2.59 0.00	50.53 -5.00 0.00	74.47 -7.07 -1.25	81.47 -6.27 -3.02	74.21 -6.70 -3.89	56.11 -6.22 -0.09	40.26 -4.15 0.73	36.51 -3.50 0.73	32.11 -2.24 0.70
NIAGARA_115W_LBMP 323714	34.73 -2.46 0.00	30.69 -1.82 0.00	26.96 -2.06 0.00	25.62 -1.84 0.00	25.76 -1.85 0.00	26.01 -1.87 0.00	29.72 -2.34 0.00	30.47 -2.61 0.00	26.46 -1.69 0.00	24.64 -1.41 0.00	24.81 -1.33 0.00	26.54 -1.60 0.00	29.56 -1.85 0.00	31.49 -1.80 0.00	33.44 -2.10 0.00	39.59 -2.80 0.00	50.25 -5.28 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.00	73.65 -7.24 -3.87	55.72 -6.60 -0.07	39.99 -4.42 0.74	36.30 -3.71 0.73	32.53 -1.82 0.71
NIAGARA_230_LBMP 323716	35.29 -1.90 0.00	30.59 -1.92 0.00	27.36 -1.65 0.00	25.97 -1.48 0.00	26.15 -1.46 0.00	26.40 -1.48 0.00	30.19 -1.86 0.00	30.97 -2.12 0.00	26.85 -1.29 0.00	24.97 -1.07 0.00	25.15 -0.99 0.00	26.90 -1.24 0.00	30.00 -1.41 0.00	31.93 -1.37 0.00	33.91 -1.63 0.00	40.14 -2.25 0.00	51.03 -4.50 0.00	75.17 -6.34 -1.24	82.27 -5.42 -2.98	75.01 -5.86 -3.84	56.76 -5.54 -0.05	40.65 -3.75 0.75	36.86 -3.14 0.74	32.49 -1.86 0.72
NIAGARA___115KV_198_GIBSON 55903	34.74 -2.45 0.00	30.00 -2.50 0.00	26.95 -2.06 0.00	25.64 -1.81 0.00	25.76 -1.85 0.00	25.98 -1.90 0.00	29.27 -2.79 0.00	30.14 -2.94 0.00	26.32 -1.83 0.00	24.64 -1.41 0.00	24.60 -1.54 0.00	26.53 -1.60 0.00	29.47 -1.95 0.00	31.49 -1.80 0.00	33.44 -2.10 0.00	39.42 -2.97 0.00	49.97 -5.55 0.00	73.74 -7.79 -1.25	80.69 -7.03 -3.00	72.11 -8.78 -3.87	55.66 -6.66 -0.07	39.62 -4.79 0.74	35.89 -4.11 0.73	32.25 -2.10 0.71
NIAGARA____ 23760	35.29 -1.90 0.00	30.59 -1.92 0.00	27.36 -1.65 0.00	25.97 -1.48 0.00	26.15 -1.46 0.00	26.40 -1.48 0.00	30.19 -1.86 0.00	30.97 -2.12 0.00	26.85 -1.29 0.00	24.97 -1.07 0.00	25.15 -0.99 0.00	26.90 -1.24 0.00	30.00 -1.41 0.00	31.93 -1.37 0.00	33.91 -1.63 0.00	40.14 -2.25 0.00	51.03 -4.50 0.00	75.18 -6.34 -1.24	82.29 -5.42 -3.00	75.03 -5.86 -3.86	56.78 -5.54 -0.07	40.66 -3.75 0.74	36.87 -3.14 0.73	32.50 -1.86 0.71
NINE_MILE_1 23575	36.15 -1.04 0.00	31.56 -0.94 0.00	28.17 -0.84 0.00	26.66 -0.80 0.00	26.84 -0.77 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.22 -0.86 0.00	27.42 -0.73 0.00	25.37 -0.68 0.00	25.46 -0.68 0.00	27.35 -0.79 0.00	30.53 -0.88 0.00	32.40 -0.90 0.00	34.58 -0.96 0.00	41.28 -1.10 0.00	54.03 -1.50 0.00	61.83 -1.93 16.52	43.20 -1.69 39.82	24.00 -1.77 51.26	22.88 -1.68 37.69	22.53 -1.22 21.40	22.75 -1.18 16.80	22.53 -0.95 11.59
NINE_MILE_2 23744	36.15 -1.04 0.00	31.56 -0.94 0.00	28.17 -0.84 0.00	26.66 -0.80 0.00	26.84 -0.77 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.22 -0.86 0.00	27.42 -0.73 0.00	25.37 -0.68 0.00	25.46 -0.68 0.00	27.35 -0.79 0.00	30.53 -0.88 0.00	32.40 -0.90 0.00	34.58 -0.96 0.00	41.28 -1.10 0.00	54.03 -1.50 0.00	61.55 -1.93 16.81	42.52 -1.69 40.50	23.12 -1.77 52.13	22.28 -1.68 38.29	22.21 -1.22 21.72	22.50 -1.18 17.06	22.36 -0.95 11.76
NM_CAPITAL___DRP 24208	43.94 0.60 -6.16	38.90 0.55 -5.84	33.43 0.52 -3.90	27.90 0.44 0.00	28.64 0.47 -0.56	35.71 0.45 -7.39	32.76 0.71 0.00	33.78 0.69 0.00	32.85 0.34 -4.36	26.30 0.26 0.00	26.35 0.21 0.00	28.36 0.23 0.00	31.67 0.25 0.00	33.49 0.20 0.00	35.66 0.32 0.19	42.77 0.38 0.00	56.25 0.72 0.00	91.23 1.61 -9.35	112.40 1.69 -25.99	96.89 1.00 -18.86	68.90 0.68 -5.97	55.69 0.77 -9.77	48.57 0.86 -6.97	39.78 0.74 -3.98
NM_CENTRAL___DRP 24181	36.85 -0.33 0.00	32.15 -0.36 0.00	28.70 -0.32 0.00	27.15 -0.30 0.00	27.33 -0.28 0.00	27.60 -0.28 0.00	31.70 -0.35 0.00	32.75 -0.33 0.00	27.89 -0.25 0.00	25.81 -0.23 0.00	25.88 -0.26 0.00	27.83 -0.31 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.26 -0.28 0.00	42.09 -0.30 0.00	55.08 -0.44 0.00	82.21 -0.24 -2.17	90.11 0.17 -5.23	83.44 -0.31 -6.73	63.67 -0.37 -1.80	44.96 -0.32 -0.13	40.18 -0.49 0.07	34.50 -0.28 0.28



NM_FRONTIER___DRP 24179	34.74 -2.45 0.00	30.00 -2.50 0.00	26.95 -2.06 0.00	25.64 -1.81 0.00	25.76 -1.85 0.00	25.98 -1.90 0.00	29.27 -2.79 0.00	30.14 -2.94 0.00	26.32 -1.83 0.00	24.64 -1.41 0.00	24.60 -1.54 0.00	26.53 -1.60 0.00	29.47 -1.95 0.00	31.49 -1.80 0.00	33.44 -2.10 0.00	39.42 -2.97 0.00	49.97 -5.55 0.00	73.74 -7.79 -1.25	80.69 -7.03 -3.00	72.11 -8.78 -3.87	55.66 -6.66 -0.07	39.62 -4.79 0.74	35.89 -4.11 0.73	32.25 -2.10 0.71
NM_ST_REGIS___HYD 24053	37.97 0.78 0.00	33.19 0.68 0.00	29.65 0.64 0.00	28.01 0.55 0.00	28.13 0.52 0.00	28.46 0.59 0.00	32.76 0.71 0.00	33.65 0.56 0.00	28.63 0.48 0.00	26.41 0.36 0.00	26.64 0.50 0.00	28.81 0.68 0.00	32.11 0.69 0.00	33.93 0.63 0.00	35.97 0.43 0.00	42.89 0.51 0.00	55.97 0.44 0.00	81.36 0.64 -0.44	86.62 0.85 -1.06	80.16 1.77 -1.36	64.16 1.43 -0.48	46.22 0.95 -0.13	41.67 0.86 -0.07	35.39 0.32 -0.01
NORTHPORT___1 23551	39.47 1.56 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.90 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.76 0.77 -1.94	36.78 1.36 -2.34	29.53 0.87 -0.51	27.14 1.09 0.00	27.77 1.62 0.00	30.11 1.97 0.00	33.77 2.36 0.00	35.87 2.56 -0.01	38.58 2.74 -0.30	44.72 2.33 -0.01	57.58 2.06 0.00	83.93 2.57 -1.08	89.10 2.79 -1.59	80.99 1.85 -2.12	64.03 1.18 -0.61	47.33 1.04 -1.14	43.06 1.51 -0.81	37.42 1.89 -0.46
NORTHPORT___2 23552	39.47 1.56 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.90 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.76 0.77 -1.94	36.78 1.36 -2.34	29.53 0.87 -0.51	27.14 1.09 0.00	27.77 1.62 0.00	30.11 1.97 0.00	33.77 2.36 0.00	35.87 2.56 -0.01	38.58 2.74 -0.30	44.72 2.33 -0.01	57.58 2.06 0.00	83.93 2.57 -1.08	89.10 2.79 -1.59	80.99 1.85 -2.12	64.03 1.18 -0.61	47.33 1.04 -1.14	43.06 1.51 -0.81	37.42 1.89 -0.46
NORTHPORT___3 23553	38.65 0.74 -0.72	33.84 0.65 -0.68	29.96 0.49 -0.45	27.81 0.36 0.00	27.89 0.22 -0.06	28.88 0.14 -0.86	34.12 0.13 -1.94	36.02 0.60 -2.34	28.94 0.28 -0.51	26.59 0.55 0.00	27.19 1.05 0.00	29.52 1.38 0.00	33.11 1.70 0.00	35.13 1.83 -0.01	37.83 1.99 -0.30	43.74 1.36 0.00	56.68 1.17 0.01	83.04 1.69 -1.07	88.17 1.86 -1.59	80.03 1.00 -2.01	63.16 0.44 -0.47	46.64 0.36 -1.13	42.20 0.65 -0.81	36.72 1.19 -0.46
NORTHPORT___4 23650	38.65 0.74 -0.72	33.84 0.65 -0.68	29.96 0.49 -0.45	27.81 0.36 0.00	27.89 0.22 -0.06	28.88 0.14 -0.86	34.12 0.13 -1.94	36.02 0.60 -2.34	28.94 0.28 -0.51	26.59 0.55 0.00	27.19 1.05 0.00	29.52 1.38 0.00	33.11 1.70 0.00	35.13 1.83 -0.01	37.83 1.99 -0.30	43.74 1.36 0.00	56.68 1.17 0.01	83.04 1.69 -1.07	88.17 1.86 -1.59	80.03 1.00 -2.01	63.16 0.44 -0.47	46.64 0.36 -1.13	42.20 0.65 -0.81	36.72 1.19 -0.46
NORTHPORT___IC 23718	39.47 1.56 -0.72	34.52 1.33 -0.68	30.57 1.10 -0.45	28.36 0.91 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	33.08 1.03 0.00	34.21 1.12 0.00	29.56 0.90 -0.51	27.14 1.09 0.00	27.79 1.65 0.00	30.11 1.97 0.00	33.80 2.39 0.00	35.86 2.56 -0.01	38.58 2.74 -0.30	44.77 2.37 -0.01	57.58 2.05 0.00	84.01 2.65 -1.08	89.18 2.88 -1.59	80.84 1.69 -2.12	64.10 1.24 -0.61	47.42 1.13 -1.14	43.51 1.96 -0.81	37.49 1.96 -0.46
NORTH___COUNTRY_ESR 323785	37.89 0.70 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.92 0.47 0.00	28.02 0.41 0.00	28.38 0.50 0.00	32.66 0.61 0.00	33.65 0.56 0.00	28.66 0.51 0.00	26.54 0.49 0.00	26.75 0.60 0.00	28.98 0.84 0.00	32.29 0.88 0.00	34.13 0.83 0.00	36.18 0.64 0.00	42.90 0.51 0.00	55.36 -0.17 0.00	79.56 -0.72 0.00	83.70 -1.01 0.00	76.95 -0.08 0.00	62.50 0.25 0.00	45.38 0.23 0.00	41.35 0.61 0.00	35.03 -0.04 0.00
NPX_GEN_1385_PROXY 323591	39.47 1.56 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.90 0.00	28.48 0.80 -0.06	29.44 0.70 -0.86	34.76 0.77 -1.94	36.78 1.36 -2.34	29.53 0.87 -0.51	27.14 1.09 0.00	27.77 1.62 0.00	30.11 1.97 0.00	33.77 2.36 0.00	35.87 2.56 -0.01	38.58 2.74 -0.30	44.72 2.33 -0.01	57.58 2.06 0.00	83.93 2.57 -1.08	89.10 2.79 -1.59	80.99 1.85 -2.12	64.03 1.18 -0.61	47.33 1.04 -1.14	43.06 1.51 -0.81	37.42 1.89 -0.46
NPX_GEN_CSC 323557	38.95 1.04 -0.72	34.00 0.81 -0.68	30.11 0.64 -0.45	27.89 0.44 0.00	28.01 0.33 -0.06	28.96 0.22 -0.86	34.22 0.23 -1.94	36.58 1.16 -2.34	29.08 0.42 -0.51	26.72 0.68 0.00	27.40 1.25 0.00	29.71 1.57 0.00	33.36 1.95 0.00	35.53 2.23 -0.01	38.15 2.31 -0.30	44.43 2.03 -0.01	57.13 1.61 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.69 1.16 7.49	51.47 0.56 11.33	46.92 0.63 -1.14	42.57 1.02 -0.81	36.83 1.30 -0.46
NSINS_S_GLNS_FALLS 23858	43.23 1.34 -4.70	38.14 1.17 -4.46	33.09 1.10 -2.97	28.53 1.07 0.00	29.17 1.13 -0.42	34.55 1.03 -5.64	33.18 1.12 0.00	34.08 0.99 0.00	32.04 0.56 -3.33	26.36 0.31 0.00	26.20 0.05 0.00	28.19 0.06 0.00	31.41 0.00 0.00	33.26 -0.03 0.00	35.59 0.25 0.20	42.94 0.55 0.00	57.36 1.83 0.00	91.27 3.85 -7.13	109.13 4.57 -19.84	94.96 3.54 -14.40	69.35 2.55 -4.55	54.37 1.76 -7.46	47.73 1.67 -5.32	39.43 1.33 -3.04
NUCOR_STEEL___DRP 24197	37.15 -0.04 0.00	32.41 -0.10 0.00	28.90 -0.12 0.00	27.37 -0.08 0.00	27.53 -0.08 0.00	27.82 -0.06 0.00	31.93 -0.13 0.00	33.02 -0.07 0.00	28.12 -0.03 0.00	25.99 -0.05 0.00	26.04 -0.10 0.00	28.00 -0.14 0.00	31.29 -0.13 0.00	33.26 -0.03 0.00	35.50 -0.04 0.00	42.47 0.08 0.00	55.58 0.06 0.00	83.73 0.64 -2.81	92.84 1.36 -6.77	86.35 0.62 -8.71	65.70 0.37 -3.08	46.14 0.18 -0.81	41.11 -0.08 -0.46	35.17 0.04 -0.07
NUMBER_THREE_WT_PWR 323818	37.97 0.78 0.00	33.22 0.71 0.00	29.48 0.46 0.00	27.79 0.33 0.00	27.86 0.25 0.00	27.99 0.11 0.00	32.18 0.13 0.00	33.28 0.20 0.00	28.06 -0.08 0.00	25.70 -0.34 0.00	25.96 -0.18 0.00	28.00 -0.14 0.00	31.38 -0.03 0.00	33.19 -0.10 0.00	35.40 -0.14 0.00	42.51 0.13 0.00	55.97 0.44 0.00	83.26 1.85 -1.13	89.98 2.54 -2.72	82.77 2.24 -3.51	64.67 1.18 -1.24	46.29 0.81 -0.33	41.29 0.37 -0.18	35.16 0.07 -0.03
NYISO_LBMP_REFERENCE 24008	37.19 0.00 0.00	32.51 0.00 0.00	29.01 0.00 0.00	27.46 0.00 0.00	27.61 0.00 0.00	27.88 0.00 0.00	32.05 0.00 0.00	33.08 0.00 0.00	28.15 0.00 0.00	26.04 0.00 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.41 0.00 0.00	33.29 0.00 0.00	35.54 0.00 0.00	42.38 0.00 0.00	55.52 0.00 0.00	80.28 0.00 0.00	84.71 0.00 0.00	77.02 0.00 0.00	62.25 0.00 0.00	45.15 0.00 0.00	40.74 0.00 0.00	35.06 0.00 0.00
NYPA_BRENTWD____GT 24164	39.84 1.93 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.58 1.13 0.00	28.70 1.02 -0.06	29.63 0.89 -0.86	34.99 0.99 -1.94	36.98 1.56 -2.34	29.70 1.04 -0.51	27.29 1.25 0.00	27.95 1.80 0.00	30.33 2.20 0.00	34.05 2.64 0.00	36.23 2.93 -0.01	39.00 3.16 -0.30	45.45 3.05 -0.01	58.63 3.11 0.00	84.25 2.89 -1.08	89.46 3.14 -1.61	80.62 2.46 -1.13	63.87 2.24 0.62	48.14 1.85 -1.14	43.63 2.08 -0.81	37.80 2.28 -0.46



NYPA_GOWANUS____GT5 24156	39.77	34.98	31.04	28.92	29.12	30.14	35.50	37.08	30.12	27.66	27.90	30.19	33.75	35.80	38.50	44.88	58.80	86.51	93.34	83.46	65.93	48.41	44.00	37.81
	1.86	1.79	1.57	1.45	1.43	1.39	1.51	1.65	1.46	1.62	1.75	2.05	2.32	2.50	2.67	2.50	3.28	5.14	5.59	4.23	2.99	2.12	2.44	2.28
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA_GOWANUS____GT6 24157	39.77	34.98	31.04	28.92	29.12	30.14	35.50	37.08	30.12	27.66	27.90	30.19	33.75	35.80	38.50	44.88	58.80	86.51	93.34	83.46	65.93	48.41	44.00	37.81
	1.86	1.79	1.57	1.45	1.43	1.39	1.51	1.65	1.46	1.62	1.75	2.05	2.32	2.50	2.67	2.50	3.28	5.14	5.59	4.23	2.99	2.12	2.44	2.28
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA_HARLEM__RVR__GT1 24160	40.07	35.12	31.16	29.00	29.20	30.19	35.43	37.04	30.08	27.62	27.86	30.13	33.70	35.75	38.45	44.88	58.68	86.26	93.16	83.30	65.80	48.31	44.08	37.95
	2.16	1.92	1.68	1.54	1.52	1.45	1.44	1.62	1.43	1.59	1.73	2.00	2.29	2.46	2.63	2.50	3.16	4.90	5.43	4.08	2.86	2.03	2.53	2.42
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.33	-0.50	0.01	0.01	0.01	0.01	0.01	-0.28	0.01	0.01	-1.08	-3.02	-2.19	-0.69	-1.13	-0.81	-0.47
NYPA_HARLEM__RVR__GT2 24161	40.07	35.12	31.16	29.00	29.20	30.19	35.43	37.04	30.08	27.62	27.86	30.13	33.70	35.75	38.45	44.88	58.68	86.26	93.16	83.30	65.80	48.31	44.08	37.95
	2.16	1.92	1.68	1.54	1.52	1.45	1.44	1.62	1.43	1.59	1.73	2.00	2.29	2.46	2.63	2.50	3.16	4.90	5.43	4.08	2.86	2.03	2.53	2.42
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.33	-0.50	0.01	0.01	0.01	0.01	0.01	-0.28	0.01	0.01	-1.08	-3.02	-2.19	-0.69	-1.13	-0.81	-0.47
NYPA_KENT____GT 24152	39.85	35.05	31.07	28.95	29.15	30.17	35.53	37.14	30.15	27.71	27.92	30.22	33.78	35.83	38.53	44.97	58.85	86.59	93.51	83.54	65.99	48.50	44.04	37.85
	1.93	1.85	1.59	1.48	1.46	1.42	1.54	1.72	1.49	1.67	1.78	2.08	2.36	2.53	2.70	2.59	3.33	5.22	5.76	4.31	3.05	2.21	2.49	2.31
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA_POUCH1____GT 24155	39.66	34.92	31.01	28.89	29.09	30.17	35.50	37.08	30.09	27.63	27.87	30.17	33.69	35.73	38.42	44.67	58.63	86.19	93.09	83.15	65.68	48.27	43.87	37.75
	1.75	1.72	1.54	1.43	1.41	1.42	1.51	1.65	1.43	1.59	1.73	2.03	2.26	2.43	2.59	2.29	3.11	4.82	5.34	3.93	2.74	1.98	2.32	2.21
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA_VERNON____GT2 24162	39.92	35.08	31.13	28.97	29.17	30.20	35.56	37.18	30.18	27.73	27.95	30.22	33.81	35.87	38.57	45.06	58.91	86.67	93.59	83.69	66.12	48.54	44.08	37.89
	2.01	1.88	1.65	1.51	1.49	1.45	1.57	1.75	1.52	1.69	1.80	2.08	2.39	2.56	2.74	2.67	3.39	5.30	5.84	4.47	3.17	2.26	2.53	2.35
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA_VERNON____GT3 24163	39.92	35.08	31.13	28.97	29.17	30.20	35.56	37.18	30.18	27.73	27.95	30.22	33.81	35.87	38.57	45.06	58.91	86.67	93.59	83.69	66.12	48.54	44.08	37.89
	2.01	1.88	1.65	1.51	1.49	1.45	1.57	1.75	1.52	1.69	1.80	2.08	2.39	2.56	2.74	2.67	3.39	5.30	5.84	4.47	3.17	2.26	2.53	2.35
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA____ASTORIA_CC1 323568	39.92	35.12	31.13	29.00	29.20	30.19	35.53	37.18	30.18	27.73	27.95	30.22	33.81	35.86	38.57	45.06	58.91	86.67	93.51	83.61	66.05	48.50	44.08	37.92
	2.01	1.92	1.65	1.54	1.52	1.45	1.54	1.75	1.52	1.69	1.80	2.08	2.39	2.56	2.74	2.67	3.39	5.30	5.76	4.39	3.11	2.21	2.53	2.39
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA____ASTORIA_CC2 323569	39.92	35.12	31.13	29.00	29.20	30.19	35.53	37.18	30.18	27.73	27.95	30.22	33.81	35.86	38.57	45.06	58.91	86.67	93.51	83.61	66.05	48.50	44.08	37.92
	2.01	1.92	1.65	1.54	1.52	1.45	1.54	1.75	1.52	1.69	1.80	2.08	2.39	2.56	2.74	2.67	3.39	5.30	5.76	4.39	3.11	2.21	2.53	2.39
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.34	-0.51	0.00	0.00	0.00	-0.01	-0.01	-0.29	0.00	0.00	-1.09	-3.03	-2.20	-0.70	-1.14	-0.81	-0.47
NYPA____HOLTSVILL 23794	39.21	34.26	30.34	28.14	28.23	29.18	34.47	36.65	29.30	26.93	27.58	29.91	33.58	35.73	38.33	44.64	57.35	83.53	88.48	70.99	51.78	47.19	42.82	37.07
	1.30	1.07	0.87	0.69	0.55	0.44	0.48	1.22	0.65	0.89	1.44	1.77	2.17	2.43	2.49	2.24	1.83	2.17	2.46	1.46	0.87	0.90	1.26	1.54
	-0.72	-0.68	-0.45	0.00	-0.06	-0.86	-1.94	-2.34	-0.51	0.00	0.00	0.00	0.00	-0.01	-0.30	-0.01	0.00	-1.08	-1.31	7.50	11.34	-1.14	-0.81	-0.46
NYPA____HELLGATE_GT1 24158	40.07	35.12	31.16	29.00	29.20	30.19	35.43	37.04	30.08	27.62	27.86	30.13	33.70	35.75	38.45	44.88	58.68	86.26	93.16	83.30	65.80	48.31	44.08	37.95
	2.16	1.92	1.68	1.54	1.52	1.45	1.44	1.62	1.43	1.59	1.73	2.00	2.29	2.46	2.63	2.50	3.16	4.90	5.43	4.08	2.86	2.03	2.53	2.42
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.33	-0.50	0.01	0.01	0.01	0.01	0.01	-0.28	0.01	0.01	-1.08	-3.02	-2.19	-0.69	-1.13	-0.81	-0.47
NYPA____HELLGATE_GT2 24159	40.07	35.12	31.16	29.00	29.20	30.19	35.43	37.04	30.08	27.62	27.86	30.13	33.70	35.75	38.45	44.88	58.68	86.26	93.16	83.30	65.80	48.31	44.08	37.95
	2.16	1.92	1.68	1.54	1.52	1.45	1.44	1.62	1.43	1.59	1.73	2.00	2.29	2.46	2.63	2.50	3.16	4.90	5.43	4.08	2.86	2.03	2.53	2.42
	-0.73	-0.69	-0.46	-0.01	-0.07	-0.87	-1.94	-2.33	-0.50	0.01	0.01	0.01	0.01	0.01	-0.28	0.01	0.01	-1.08	-3.02	-2.19	-0.69	-1.13	-0.81	-0.47
NYS_BARGE____HYD 23848	35.78	30.66	27.71	26.33	26.48	26.73	30.61	31.23	26.97	25.05	25.23	26.98	30.10	32.10	34.08	40.44	51.47	75.91	83.08	75.68	57.21	40.97	37.06	32.60
	-1.41	-1.85	-1.31	-1.13	-1.13	-1.14	-1.44	-1.85	-1.18	-0.99	-0.92	-1.15	-1.32	-1.20	-1.46	-1.95	-4.05	-5.62	-4.66	-5.24	-5.10	-3.43	-2.93	-1.75
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.25	-3.02	-3.89	-0.07	0.75	0.74	0.71
OAK ORCHARD____HYD 24046	36.45	31.70	28.26	26.83	26.95	27.26	31.32	32.32	27.73	25.70	25.83	27.69	30.97	32.96	35.04	41.83	54.19	79.99	87.11	79.79	60.67	43.24	38.84	33.60
	-0.74	-0.81	-0.75	-0.63	-0.66	-0.61	-0.74	-0.76	-0.42	-0.34	-0.31	-0.45	-0.44	-0.33	-0.50	-0.55	-1.33	-1.53	-0.59	-1.08	-1.49	-1.04	-1.06	-0.67
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.24	-2.98	-3.84	0.09	0.87	0.84	0.79



OAKDALE___35_KV_LOAD 356122	37.08 -0.11 0.00	32.38 -0.13 0.00	28.90 -0.12 0.00	27.37 -0.08 0.00	27.53 -0.08 0.00	27.76 -0.11 0.00	31.80 -0.26 0.00	32.85 -0.23 0.00	28.09 -0.06 0.00	26.04 0.00 0.00	26.12 -0.03 0.00	28.11 -0.03 0.00	31.38 -0.03 0.00	33.33 0.03 0.00	35.66 0.07 -0.05	42.43 0.04 0.00	55.36 -0.17 0.00	82.13 0.32 -1.52	89.23 0.85 -3.67	81.67 -0.08 -4.73	63.43 -0.12 -1.31	45.14 -0.14 -0.13	40.48 -0.24 0.02	34.86 -0.04 0.17
OCC_CHEM___DRP 24175	34.85 -2.34 0.00	30.07 -2.44 0.00	27.01 -2.00 0.00	25.70 -1.76 0.00	25.82 -1.79 0.00	26.04 -1.84 0.00	29.33 -2.72 0.00	30.24 -2.85 0.00	26.37 -1.77 0.00	24.69 -1.35 0.00	24.65 -1.49 0.00	26.59 -1.55 0.00	29.53 -1.88 0.00	31.59 -1.70 0.00	33.55 -1.99 0.00	39.54 -2.84 0.00	50.08 -5.44 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.01	72.27 -8.63 -3.87	55.85 -6.47 -0.07	39.71 -4.70 0.74	36.01 -3.99 0.73	32.29 -2.07 0.71
OH_GEN_PROXY 24063	35.29 -1.90 0.00	30.59 -1.92 0.00	27.36 -1.65 0.00	26.00 -1.46 0.00	26.15 -1.46 0.00	26.40 -1.48 0.00	30.19 -1.86 0.00	31.00 -2.08 0.00	26.85 -1.29 0.00	25.00 -1.04 0.00	25.18 -0.97 0.00	26.93 -1.21 0.00	30.03 -1.38 0.00	31.96 -1.33 0.00	33.94 -1.60 0.00	40.22 -2.16 0.00	51.14 -4.39 0.00	75.34 -6.18 -1.24	82.44 -5.25 -2.98	75.16 -5.70 -3.84	56.94 -5.35 -0.05	40.74 -3.66 0.75	36.94 -3.06 0.74	32.49 -1.86 0.71
OLIN_CORP_DRP 24177	35.55 -1.64 0.00	30.72 -1.79 0.00	27.54 -1.48 0.00	26.19 -1.26 0.00	26.31 -1.30 0.00	26.54 -1.34 0.00	29.97 -2.08 0.00	30.60 -2.48 0.00	26.54 -1.60 0.00	24.79 -1.25 0.00	24.76 -1.39 0.00	26.70 -1.44 0.00	29.65 -1.76 0.00	31.73 -1.56 0.00	33.69 -1.85 0.00	39.71 -2.67 0.00	50.36 -5.16 0.00	74.39 -7.14 -1.26	81.22 -6.52 -3.03	72.83 -8.09 -3.90	56.24 -6.10 -0.09	39.95 -4.47 0.73	36.19 -3.83 0.72	31.91 -2.45 0.70
OLIN_CORP_DSASP 323712	34.85 -2.34 0.00	30.72 -1.79 0.00	27.01 -2.00 0.00	25.67 -1.78 0.00	25.82 -1.79 0.00	26.06 -1.81 0.00	29.78 -2.28 0.00	30.54 -2.55 0.00	26.51 -1.63 0.00	24.69 -1.36 0.00	24.86 -1.28 0.00	26.59 -1.55 0.00	29.66 -1.76 0.00	31.60 -1.70 0.00	33.55 -1.99 0.00	39.72 -2.67 0.00	50.36 -5.16 0.00	74.14 -7.38 -1.25	81.03 -6.69 -3.01	73.88 -7.01 -3.87	55.91 -6.41 -0.07	40.12 -4.29 0.74	36.38 -3.63 0.73	32.57 -1.79 0.71
ONEIDA_HERK_LFGE 323681	37.86 0.67 0.00	33.12 0.62 0.00	29.48 0.46 0.00	27.84 0.38 0.00	27.97 0.36 0.00	28.18 0.31 0.00	32.41 0.35 0.00	33.51 0.43 0.00	28.35 0.20 0.00	26.04 0.00 0.00	26.20 0.05 0.00	28.22 0.08 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.68 0.14 0.00	42.77 0.38 0.00	56.24 0.72 0.00	83.02 2.01 -0.73	89.10 2.63 -1.76	81.52 2.24 -2.27	64.42 1.37 -0.80	46.31 0.95 -0.21	41.47 0.61 -0.12	35.47 0.39 -0.02
ONEIDA___115KV_TB4 55905	37.86 0.67 0.00	33.13 0.62 0.00	29.54 0.52 0.00	27.92 0.47 0.00	28.08 0.47 0.00	28.35 0.47 0.00	32.57 0.51 0.00	33.65 0.56 0.00	28.54 0.39 0.00	26.25 0.21 0.00	26.33 0.18 0.00	28.36 0.23 0.00	31.73 0.31 0.00	33.63 0.33 0.00	35.89 0.36 0.00	43.02 0.64 0.00	56.52 1.00 0.00	83.77 2.33 -1.16	90.57 3.05 -2.81	83.10 2.46 -3.61	64.95 1.74 -0.96	46.39 1.17 -0.07	41.48 0.77 0.04	35.55 0.63 0.15
ONONDAGA_REF_OCCRA 23987	37.04 -0.15 0.00	32.31 -0.20 0.00	28.81 -0.20 0.00	27.29 -0.16 0.00	27.44 -0.17 0.00	27.74 -0.14 0.00	31.83 -0.22 0.00	32.92 -0.17 0.00	28.04 -0.11 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.94 -0.20 0.00	31.23 -0.19 0.00	33.16 -0.13 0.00	35.43 -0.11 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	82.95 0.32 -2.35	91.22 0.85 -5.66	84.62 0.31 -7.28	64.50 0.12 -2.13	45.45 0.00 -0.30	40.60 -0.20 -0.06	34.76 -0.11 0.19
ONONDAGA___COGEN 23986	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
ONTARIO___LFGE 23819	37.04 -0.15 0.00	32.25 -0.26 0.00	28.75 -0.26 0.00	27.24 -0.22 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.83 -0.22 0.00	32.92 -0.16 0.00	28.09 -0.06 0.00	25.94 -0.10 0.00	25.99 -0.16 0.00	27.91 -0.23 0.00	31.23 -0.19 0.00	33.19 -0.10 0.00	35.43 -0.11 0.00	42.26 -0.13 0.00	55.14 -0.39 0.00	82.18 0.08 -1.82	90.38 1.27 -4.39	83.15 0.46 -5.66	63.32 -0.06 -1.14	44.72 -0.22 0.21	39.92 -0.49 0.33	34.48 -0.14 0.45
ORANGEVILLE_WT_PWR 323706	36.04 -1.15 0.00	31.21 -1.30 0.00	27.88 -1.13 0.00	26.44 -1.02 0.00	26.59 -1.02 0.00	26.85 -1.03 0.00	30.74 -1.32 0.00	31.63 -1.45 0.00	27.19 -0.96 0.00	25.21 -0.83 0.00	25.36 -0.78 0.00	27.18 -0.96 0.00	30.35 -1.07 0.00	32.36 -0.93 0.00	34.44 -1.10 0.00	40.90 -1.48 0.00	52.47 -3.05 0.00	77.87 -3.77 -1.36	85.63 -2.37 -3.29	77.95 -3.31 -4.23	59.07 -3.61 -0.44	42.02 -2.62 0.51	37.79 -2.40 0.54	32.95 -1.54 0.57
ORANGEVILLE___ESR 323794	36.04 -1.15 0.00	31.21 -1.30 0.00	27.88 -1.13 0.00	26.44 -1.02 0.00	26.59 -1.02 0.00	26.85 -1.03 0.00	30.74 -1.32 0.00	31.63 -1.45 0.00	27.19 -0.96 0.00	25.21 -0.83 0.00	25.36 -0.78 0.00	27.18 -0.96 0.00	30.35 -1.07 0.00	32.36 -0.93 0.00	34.44 -1.10 0.00	40.90 -1.48 0.00	52.47 -3.05 0.00	77.87 -3.77 -1.36	85.63 -2.37 -3.29	77.95 -3.31 -4.23	59.07 -3.61 -0.44	42.02 -2.62 0.51	37.79 -2.40 0.54	32.95 -1.54 0.57
OSWEGATCHIE___HYD 24044	37.86 0.67 0.00	33.12 0.62 0.00	29.51 0.49 0.00	27.84 0.38 0.00	27.94 0.33 0.00	28.18 0.31 0.00	32.44 0.39 0.00	33.45 0.36 0.00	28.32 0.17 0.00	25.99 -0.05 0.00	26.20 0.05 0.00	28.28 0.14 0.00	31.60 0.19 0.00	33.43 0.13 0.00	35.54 0.00 0.00	42.51 0.13 0.00	55.80 0.28 0.00	82.32 1.12 -0.92	88.45 1.53 -2.21	81.64 1.77 -2.84	64.56 1.31 -1.01	46.36 0.95 -0.27	41.46 0.57 -0.15	35.30 0.21 -0.02
OSWEGO___5 23606	36.41 -0.78 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.85 -0.60 0.00	27.00 -0.61 0.00	27.32 -0.56 0.00	31.41 -0.64 0.00	32.42 -0.66 0.00	27.61 -0.54 0.00	25.52 -0.52 0.00	25.62 -0.52 0.00	27.52 -0.62 0.00	30.75 -0.66 0.00	32.63 -0.67 0.00	34.83 -0.71 0.00	41.58 -0.81 0.00	54.41 -1.11 0.00	87.63 -1.37 -8.71	104.60 -1.10 -20.99	102.89 -1.15 -27.02	74.71 -1.18 -13.65	50.24 -0.90 -5.99	44.21 -0.90 -4.37	36.92 -0.70 -2.56
OSWEGO___6 23613	36.41 -0.78 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.85 -0.60 0.00	27.00 -0.61 0.00	27.32 -0.56 0.00	31.41 -0.64 0.00	32.42 -0.66 0.00	27.61 -0.54 0.00	25.52 -0.52 0.00	25.62 -0.52 0.00	27.52 -0.62 0.00	30.75 -0.66 0.00	32.63 -0.67 0.00	34.83 -0.71 0.00	41.58 -0.81 0.00	54.41 -1.11 0.00	87.63 -1.37 -8.71	104.60 -1.10 -20.99	102.89 -1.15 -27.02	74.71 -1.18 -13.65	50.24 -0.90 -5.99	44.21 -0.90 -4.37	36.92 -0.70 -2.56



OUTOKUMPU-AB___DRP 24206	35.66 -1.52 0.00	30.82 -1.69 0.00	27.62 -1.39 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.03 -2.02 0.00	30.90 -2.18 0.00	26.91 -1.24 0.00	25.21 -0.83 0.00	25.18 -0.97 0.00	27.15 -0.98 0.00	30.19 -1.23 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.53 -4.00 0.00	76.16 -5.38 -1.26	83.26 -4.49 -3.04	74.46 -6.47 -3.91	57.44 -4.92 -0.11	40.77 -3.66 0.72	36.84 -3.18 0.72	32.65 -1.72 0.70
OXBOW___BTM 323836	35.29 -1.90 0.00	30.92 -1.59 0.00	27.33 -1.68 0.00	25.97 -1.48 0.00	26.12 -1.49 0.00	26.37 -1.51 0.00	30.16 -1.89 0.00	30.90 -2.18 0.00	26.80 -1.35 0.00	24.97 -1.07 0.00	25.15 -0.99 0.00	26.93 -1.21 0.00	30.03 -1.38 0.00	32.03 -1.27 0.00	34.01 -1.53 0.00	40.35 -2.03 0.00	51.19 -4.33 0.00	75.43 -6.10 -1.25	82.48 -5.25 -3.02	75.14 -5.78 -3.89	56.80 -5.54 -0.09	40.72 -3.70 0.73	36.88 -3.14 0.72	32.82 -1.54 0.70
OXBOW___ 24026	35.29 -1.90 0.00	30.49 -2.02 0.00	27.33 -1.68 0.00	26.00 -1.46 0.00	26.12 -1.49 0.00	26.34 -1.53 0.00	29.71 -2.34 0.00	30.60 -2.48 0.00	26.68 -1.46 0.00	24.97 -1.07 0.00	24.94 -1.20 0.00	26.93 -1.21 0.00	29.91 -1.51 0.00	32.03 -1.27 0.00	34.01 -1.53 0.00	40.14 -2.25 0.00	50.92 -4.61 0.00	75.19 -6.34 -1.25	82.23 -5.51 -3.02	73.52 -7.39 -3.89	56.74 -5.60 -0.09	40.31 -4.11 0.73	36.47 -3.54 0.72	32.54 -1.82 0.70
OXY_CHEM_DSASP 323612	34.85 -2.34 0.00	30.07 -2.44 0.00	27.01 -2.00 0.00	25.70 -1.76 0.00	25.82 -1.79 0.00	26.04 -1.84 0.00	29.33 -2.72 0.00	30.24 -2.85 0.00	26.37 -1.77 0.00	24.69 -1.35 0.00	24.65 -1.49 0.00	26.59 -1.55 0.00	29.53 -1.88 0.00	31.59 -1.70 0.00	33.55 -1.99 0.00	39.54 -2.84 0.00	50.08 -5.44 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.01	72.27 -8.63 -3.87	55.85 -6.47 -0.07	39.71 -4.70 0.74	36.01 -3.99 0.73	32.29 -2.07 0.71
OZONE_PARK_ESR 323760	39.99 2.08 -0.72	35.17 1.98 -0.68	31.15 1.68 -0.45	29.02 1.56 0.00	29.22 1.55 -0.06	30.22 1.48 -0.86	33.79 1.73 0.00	35.00 1.92 0.00	30.35 1.69 -0.51	27.84 1.80 0.00	28.11 1.96 0.00	30.33 2.19 0.00	33.96 2.54 0.00	35.99 2.70 0.00	38.78 2.95 -0.29	45.48 3.09 0.00	59.47 3.94 0.00	87.47 6.10 -1.09	94.35 6.61 -3.03	84.23 5.01 -2.20	66.74 3.80 -0.70	49.04 2.75 -1.14	44.36 2.81 -0.81	38.05 2.52 -0.46
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	34.85 -2.34 0.00	30.07 -2.44 0.00	27.01 -2.00 0.00	25.70 -1.76 0.00	25.82 -1.79 0.00	26.04 -1.84 0.00	29.33 -2.72 0.00	30.24 -2.85 0.00	26.37 -1.77 0.00	24.69 -1.35 0.00	24.65 -1.49 0.00	26.59 -1.55 0.00	29.53 -1.88 0.00	31.59 -1.70 0.00	33.55 -1.99 0.00	39.54 -2.84 0.00	50.08 -5.44 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.01	72.27 -8.63 -3.87	55.85 -6.47 -0.07	39.71 -4.70 0.74	36.01 -3.99 0.73	32.29 -2.07 0.71
PACKARD___115KV_DUPONT_184 80571	34.85 -2.34 0.00	30.07 -2.44 0.00	27.01 -2.00 0.00	25.70 -1.76 0.00	25.82 -1.79 0.00	26.04 -1.84 0.00	29.33 -2.72 0.00	30.24 -2.85 0.00	26.37 -1.77 0.00	24.69 -1.35 0.00	24.65 -1.49 0.00	26.59 -1.55 0.00	29.53 -1.88 0.00	31.59 -1.70 0.00	33.55 -1.99 0.00	39.54 -2.84 0.00	50.08 -5.44 0.00	73.98 -7.55 -1.25	80.86 -6.86 -3.01	72.27 -8.63 -3.87	55.85 -6.47 -0.07	39.71 -4.70 0.74	36.01 -3.99 0.73	32.29 -2.07 0.71
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	40.07 2.16 -0.73	35.15 1.95 -0.69	31.16 1.68 -0.46	29.03 1.56 -0.01	29.23 1.55 -0.07	30.20 1.45 -0.87	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.70 2.29 0.01	35.71 2.43 0.01	38.43 2.59 -0.29	44.97 2.59 0.00	58.69 3.16 0.00	86.35 4.98 -1.09	93.17 5.42 -3.03	83.15 3.93 -2.20	65.87 2.93 -0.70	48.41 2.12 -1.14	44.16 2.61 -0.81	37.99 2.45 -0.47
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	40.45 2.53 -0.73	35.51 2.31 -0.69	31.48 2.00 -0.46	29.30 1.84 -0.01	29.51 1.82 -0.07	30.50 1.76 -0.87	33.91 1.86 0.00	35.07 1.98 0.00	30.40 1.75 -0.51	27.87 1.82 0.00	28.13 1.99 0.00	30.36 2.22 0.00	34.01 2.61 0.01	36.01 2.73 0.01	38.78 2.95 -0.29	45.35 2.97 0.00	59.24 3.72 0.00	87.15 5.78 -1.09	94.01 6.27 -3.03	83.92 4.70 -2.20	66.49 3.55 -0.70	48.82 2.53 -1.14	44.57 3.01 -0.81	38.34 2.81 -0.47
PATROON___115KV_TB1 80586	40.13 0.56 -2.38	35.25 0.49 -2.26	30.98 0.46 -1.50	27.87 0.41 0.00	28.27 0.44 -0.21	31.15 0.42 -2.85	32.73 0.67 0.00	33.74 0.66 0.00	30.09 0.25 -1.68	26.20 0.16 0.00	26.25 0.10 0.00	28.28 0.14 0.00	31.54 0.13 0.00	33.39 0.10 0.00	35.61 0.25 0.18	42.64 0.25 0.00	56.19 0.67 0.00	85.41 1.53 -3.61	96.44 1.69 -10.03	85.31 1.00 -7.28	65.23 0.68 -2.30	49.64 0.72 -3.77	44.20 0.77 -2.69	37.27 0.67 -1.54
PATTRSNVILLE___SOLAR 323815	41.48 1.49 -2.80	36.47 1.30 -2.66	31.98 1.19 -1.77	28.58 1.13 0.00	29.02 1.16 -0.25	32.35 1.12 -3.36	40.83 1.22 -7.55	43.30 1.09 -9.13	30.67 0.53 -1.98	26.36 0.31 0.00	26.28 0.13 0.00	28.28 0.14 0.00	31.54 0.13 0.00	33.46 0.17 0.00	35.72 0.32 0.14	42.93 0.55 0.00	57.02 1.50 0.00	88.06 3.53 -4.25	101.20 4.66 -11.83	89.46 3.85 -8.58	67.76 2.80 -2.71	51.58 1.98 -4.45	45.70 1.79 -3.17	38.38 1.51 -1.81
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	35.59 -1.60 0.00	30.85 -1.66 0.00	27.59 -1.42 0.00	26.22 -1.24 0.00	26.34 -1.27 0.00	26.57 -1.31 0.00	30.03 -2.02 0.00	30.97 -2.12 0.00	26.99 -1.15 0.00	25.29 -0.76 0.00	25.28 -0.86 0.00	27.29 -0.84 0.00	30.38 -1.04 0.00	32.49 -0.80 0.00	34.62 -0.92 0.00	40.94 -1.44 0.00	52.19 -3.33 0.00	77.31 -4.25 -1.29	84.60 -3.22 -3.10	75.78 -5.24 -4.00	58.35 -4.11 -0.21	41.34 -3.16 0.65	37.23 -2.85 0.66	32.55 -1.86 0.65
PAWLING_115_KV_BK3_REV_LBMP_H 345028	39.53 1.67 -0.66	34.80 1.66 -0.63	30.86 1.42 -0.42	28.77 1.32 0.00	28.94 1.27 -0.06	29.87 1.20 -0.80	33.46 1.41 0.00	34.64 1.55 0.00	29.91 1.29 -0.47	27.40 1.35 0.00	27.66 1.52 0.00	29.77 1.63 0.00	33.39 1.98 0.00	35.36 2.06 0.00	38.15 2.35 -0.27	45.05 2.67 0.00	58.91 3.39 0.00	86.75 5.46 -1.01	93.37 5.85 -2.81	83.45 4.39 -2.04	66.07 3.17 -0.64	48.69 2.48 -1.05	43.89 2.40 -0.75	37.60 2.10 -0.43
PEEKSKILL___ 23653	39.35 1.45 -0.71	34.61 1.43 -0.67	30.71 1.25 -0.45	28.61 1.15 0.00	28.78 1.11 -0.06	29.76 1.03 -0.85	35.11 1.15 -1.90	36.74 1.36 -2.30	29.80 1.15 -0.50	27.32 1.28 0.00	27.53 1.38 0.00	29.71 1.57 0.00	33.20 1.79 0.00	35.22 1.93 0.00	37.96 2.13 -0.29	44.59 2.20 0.00	58.41 2.89 0.00	85.93 4.57 -1.07	92.69 5.00 -2.98	82.96 3.77 -2.16	65.54 2.61 -0.68	48.25 1.98 -1.12	43.53 2.00 -0.80	37.34 1.82 -0.46
PGE MADISON___WINDPWR 24146	39.05 1.86 0.00	34.13 1.63 0.00	30.47 1.45 0.00	28.75 1.29 0.00	28.94 1.33 0.00	29.24 1.37 0.00	33.53 1.47 0.00	34.61 1.52 0.00	29.33 1.18 0.00	26.72 0.68 0.00	26.72 0.58 0.00	28.79 0.65 0.00	32.29 0.88 0.00	34.19 0.90 0.00	36.51 0.92 -0.04	44.04 1.65 0.00	58.08 2.55 0.00	87.84 6.02 -1.54	96.14 7.71 -3.71	87.89 6.08 -4.78	68.48 4.54 -1.69	48.48 2.89 -0.45	42.94 1.96 -0.25	36.61 1.51 -0.04



PIERCEFIELD___HYD 23852	37.82 0.63 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.90 0.44 0.00	28.02 0.41 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.51 0.43 0.00	28.51 0.37 0.00	26.28 0.23 0.00	26.48 0.34 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.73 0.43 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.33 0.00	81.33 0.56 -0.48	86.56 0.68 -1.16	80.14 1.62 -1.50	64.08 1.31 -0.53	46.19 0.90 -0.14	41.51 0.69 -0.08	35.36 0.28 -0.01
PINELAWN_CC_1 323563	39.43 1.53 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.90 0.00	28.45 0.77 -0.06	29.44 0.70 -0.86	34.73 0.74 -1.94	36.68 1.26 -2.34	29.47 0.82 -0.51	27.09 1.04 0.00	27.71 1.57 0.00	30.05 1.91 0.00	33.71 2.29 0.00	35.80 2.50 -0.01	38.54 2.70 -0.30	44.98 2.59 -0.01	58.19 2.67 0.00	84.89 3.53 -1.08	90.34 3.90 -1.72	81.61 2.85 -1.73	64.42 2.05 -0.12	47.87 1.58 -1.14	43.30 1.75 -0.81	37.45 1.93 -0.46
PJM_GEN_HTTP_PROXY 323702	39.66 1.75 -0.72	34.88 1.69 -0.68	30.92 1.45 -0.45	28.80 1.35 0.00	29.00 1.33 -0.06	30.02 1.28 -0.86	35.40 1.41 -1.94	37.04 1.62 -2.34	30.04 1.38 -0.51	27.60 1.56 0.00	27.82 1.67 0.00	30.05 1.91 0.00	33.58 2.17 0.00	35.62 2.33 0.00	38.39 2.56 -0.29	45.01 2.63 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.42 5.68 -3.03	83.61 4.39 -2.20	65.99 3.05 -0.70	48.50 2.21 -1.14	43.87 2.32 -0.81	37.63 2.10 -0.46
PJM_GEN_KEystone 24065	36.92 -0.22 0.05	32.31 -0.19 0.00	28.87 -0.14 0.00	27.32 -0.14 0.00	27.47 -0.14 0.00	27.71 -0.17 0.00	31.77 -0.29 0.00	32.85 -0.23 0.00	28.12 -0.03 0.00	26.20 0.16 0.00	26.41 0.26 0.00	28.42 0.28 0.00	31.70 0.28 0.00	33.66 0.37 0.00	36.13 0.43 -0.16	42.60 0.21 0.00	55.25 -0.28 0.00	81.01 0.00 -0.73	87.24 0.76 -1.77	79.14 -0.15 -2.27	61.67 -0.81 -0.23	44.38 -0.50 0.27	40.16 -0.28 0.29	34.79 0.04 0.31
PJM_GEN_NEPTUNE_PROXY 323594	39.13 1.23 -0.72	34.26 1.07 -0.68	30.37 0.90 -0.45	28.20 0.74 0.00	28.31 0.64 -0.06	29.30 0.56 -0.86	34.57 0.58 -1.94	36.45 1.03 -2.34	29.36 0.70 -0.51	26.98 0.94 0.00	27.53 1.38 0.00	29.86 1.72 0.00	33.45 2.04 0.00	35.43 2.13 -0.01	38.15 2.31 -0.30	44.60 2.20 -0.01	57.75 2.22 0.00	84.58 3.21 -1.08	89.78 3.56 -1.51	81.67 2.46 -2.18	64.62 1.68 -0.69	47.55 1.26 -1.14	42.98 1.43 -0.81	37.18 1.65 -0.46
PJM_GEN_VFT_PROXY 323633	39.47 1.56 -0.72	34.75 1.56 -0.68	30.80 1.34 -0.45	28.69 1.24 0.00	28.89 1.21 -0.06	29.88 1.14 -0.86	35.24 1.25 -1.94	36.87 1.45 -2.33	29.95 1.30 -0.51	27.53 1.48 0.00	27.71 1.57 0.00	29.97 1.83 0.00	33.55 2.14 0.00	35.52 2.23 0.00	38.25 2.42 -0.29	44.80 2.41 0.00	58.58 3.05 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	83.23 4.00 -2.20	65.68 2.74 -0.70	48.32 2.03 -1.14	43.70 2.16 -0.81	37.52 2.00 -0.46
PLATSBURG_115KV_PMLD1 355749	38.57 1.38 0.00	33.68 1.17 0.00	30.06 1.04 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.91 1.03 0.00	33.27 1.22 0.00	34.17 1.09 0.00	29.19 1.04 0.00	27.06 1.02 0.00	27.32 1.18 0.00	29.60 1.46 0.00	32.95 1.54 0.00	34.82 1.53 0.00	36.85 1.31 0.00	43.27 0.89 0.00	54.86 -0.67 0.00	78.84 -1.45 0.00	83.27 -1.44 0.00	76.64 -0.39 0.00	61.87 -0.37 0.00	45.37 0.23 0.00	42.04 1.30 0.00	35.45 0.39 0.00
PLEASANTVLY___LBMP 24000	39.23 1.23 -0.81	34.48 1.20 -0.77	30.57 1.04 -0.51	28.44 0.99 0.00	28.65 0.97 -0.07	29.74 0.89 -0.97	33.14 1.09 0.00	34.27 1.19 0.00	29.71 0.99 -0.57	27.08 1.04 0.00	27.30 1.15 0.00	29.38 1.24 0.00	32.86 1.45 0.00	34.79 1.50 0.00	37.53 1.67 -0.32	44.16 1.78 0.00	57.86 2.33 0.00	85.28 3.77 -1.23	92.20 4.07 -3.42	82.44 2.93 -2.48	65.21 2.18 -0.79	48.15 1.72 -1.29	43.41 1.75 -0.92	37.16 1.58 -0.52
PLSNTVLE_13_KV_13.8KVDIST 80602	39.51 1.60 -0.72	34.75 1.56 -0.69	30.84 1.36 -0.46	28.69 1.24 0.00	28.89 1.21 -0.07	29.91 1.17 -0.87	33.43 1.38 0.00	34.61 1.52 0.00	29.98 1.32 -0.51	27.47 1.43 0.00	27.71 1.57 0.00	29.88 1.74 0.00	33.42 2.01 0.00	35.42 2.13 0.00	38.18 2.35 -0.29	44.84 2.46 0.00	58.69 3.16 0.00	86.35 4.98 -1.10	93.18 5.42 -3.05	83.24 4.01 -2.21	65.93 2.99 -0.70	48.51 2.21 -1.15	43.84 2.28 -0.82	37.56 2.03 -0.47
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	39.51 1.60 -0.72	34.75 1.56 -0.69	30.84 1.36 -0.46	28.69 1.24 0.00	28.89 1.21 -0.07	29.91 1.17 -0.87	33.43 1.38 0.00	34.61 1.52 0.00	29.98 1.32 -0.51	27.47 1.43 0.00	27.71 1.57 0.00	29.88 1.74 0.00	33.42 2.01 0.00	35.42 2.13 0.00	38.18 2.35 -0.29	44.84 2.46 0.00	58.69 3.16 0.00	86.35 4.98 -1.10	93.18 5.42 -3.05	83.24 4.01 -2.21	65.93 2.99 -0.70	48.51 2.21 -1.15	43.84 2.28 -0.82	37.56 2.03 -0.47
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	39.45 1.45 -0.81	34.68 1.40 -0.77	30.75 1.22 -0.51	28.58 1.13 0.00	28.79 1.10 -0.07	29.88 1.03 -0.97	33.27 1.22 0.00	34.44 1.36 0.00	29.82 1.10 -0.58	27.19 1.15 0.00	27.35 1.20 0.00	29.43 1.29 0.00	32.92 1.51 0.00	34.92 1.63 0.00	37.43 1.85 -0.04	44.46 2.08 0.00	58.36 2.83 0.00	86.17 4.66 -1.23	93.14 5.00 -3.43	83.21 3.70 -2.49	65.77 2.74 -0.79	48.51 2.08 -1.29	43.70 2.04 -0.92	37.38 1.79 -0.53
POLETTI____ 23519	25.14 1.79 13.83	22.96 1.59 11.14	22.96 1.36 7.42	22.96 1.26 5.76	22.96 1.24 5.89	22.96 1.17 6.09	21.12 1.19 12.12	20.66 1.32 13.74	23.02 1.18 6.31	22.97 1.33 4.40	25.04 1.49 2.59	24.99 1.72 4.87	25.01 2.01 8.41	24.98 2.13 10.45	24.99 2.27 12.83	25.07 2.16 19.47	34.54 2.61 23.59	65.87 4.17 18.59	72.71 4.57 16.58	62.66 3.23 17.60	45.25 2.30 19.30	26.97 1.67 19.85	29.91 2.24 13.07	25.50 2.10 11.67
POMONA___ESR 323819	39.28 1.41 -0.67	34.51 1.37 -0.64	30.66 1.22 -0.43	28.58 1.13 0.00	28.75 1.08 -0.06	29.72 1.03 -0.81	34.99 1.12 -1.82	36.60 1.32 -2.19	29.75 1.13 -0.48	27.29 1.25 0.00	27.48 1.33 0.00	29.66 1.52 0.00	33.14 1.73 0.00	35.19 1.90 0.00	37.92 2.10 -0.28	44.55 2.16 0.00	58.35 2.83 0.00	85.88 4.57 -1.02	92.64 5.08 -2.84	82.94 3.85 -2.06	65.57 2.67 -0.65	48.20 1.98 -1.07	43.50 2.00 -0.76	37.29 1.79 -0.44
PORT_JEFF_3 23555	39.29 1.38 -0.72	34.33 1.14 -0.68	30.40 0.93 -0.45	28.17 0.71 0.00	28.28 0.61 -0.06	29.24 0.50 -0.86	34.54 0.54 -1.94	36.71 1.29 -2.34	29.33 0.67 -0.51	26.98 0.94 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.64 2.23 0.00	35.80 2.50 -0.01	38.47 2.63 -0.30	44.72 2.33 -0.01	57.30 1.78 0.00	83.21 1.85 -1.08	88.14 2.12 -1.31	70.54 1.16 7.64	51.41 0.69 11.52	47.19 0.90 -1.14	42.89 1.34 -0.81	37.14 1.61 -0.46
PORT_JEFF_4 23616	39.29 1.38 -0.72	34.33 1.14 -0.68	30.40 0.93 -0.45	28.17 0.71 0.00	28.28 0.61 -0.06	29.24 0.50 -0.86	34.54 0.54 -1.94	36.71 1.29 -2.34	29.33 0.67 -0.51	26.98 0.94 0.00	27.63 1.49 0.00	29.97 1.83 0.00	33.64 2.23 0.00	35.80 2.50 -0.01	38.47 2.63 -0.30	44.72 2.33 -0.01	57.30 1.78 0.00	83.21 1.85 -1.08	88.14 2.12 -1.31	70.54 1.16 7.64	51.41 0.69 11.52	47.19 0.90 -1.14	42.89 1.34 -0.81	37.14 1.61 -0.46



PORT_JEFF_IC 23713	39.32 1.41 -0.72	34.36 1.17 -0.68	30.43 0.96 -0.45	28.20 0.74 0.00	28.28 0.61 -0.06	29.24 0.50 -0.86	32.92 0.87 0.00	34.08 0.99 0.00	29.39 0.73 -0.51	26.98 0.94 0.00	27.71 1.57 0.00	30.00 1.86 0.00	33.71 2.29 0.00	35.86 2.56 -0.01	38.51 2.67 -0.30	44.85 2.46 -0.01	57.47 1.94 0.00	83.37 2.01 -1.08	88.13 2.12 -1.30	69.85 1.00 8.17	50.87 0.81 12.18	47.37 1.08 -1.14	43.39 1.83 -0.81	37.25 1.72 -0.46
PPL PILGRIM_ST_GT1 24216	39.84 1.93 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.58 1.13 0.00	28.70 1.02 -0.06	29.63 0.89 -0.86	34.99 0.99 -1.94	36.98 1.56 -2.34	29.70 1.04 -0.51	27.29 1.25 0.00	27.95 1.80 0.00	30.33 2.20 0.00	34.05 2.64 0.00	36.23 2.93 -0.01	39.00 3.16 -0.30	45.45 3.05 -0.01	58.63 3.11 0.00	84.25 2.89 -1.08	89.46 3.14 -1.61	80.62 2.46 -1.13	63.87 2.24 0.62	48.14 1.85 -1.14	43.63 2.08 -0.81	37.80 2.28 -0.46
PPL PILGRIM_ST_GT2 24217	39.84 1.93 -0.72	34.78 1.59 -0.68	30.83 1.36 -0.45	28.58 1.13 0.00	28.70 1.02 -0.06	29.63 0.89 -0.86	34.99 0.99 -1.94	36.98 1.56 -2.34	29.70 1.04 -0.51	27.29 1.25 0.00	27.95 1.80 0.00	30.33 2.20 0.00	34.05 2.64 0.00	36.23 2.93 -0.01	39.00 3.16 -0.30	45.45 3.05 -0.01	58.63 3.11 0.00	84.25 2.89 -1.08	89.46 3.14 -1.61	80.62 2.46 -1.13	63.87 2.24 0.62	48.14 1.85 -1.14	43.63 2.08 -0.81	37.80 2.28 -0.46
PPL_SHRM_GT3 24213	38.91 1.00 -0.72	33.97 0.78 -0.68	30.05 0.58 -0.45	27.87 0.41 0.00	27.95 0.28 -0.06	28.91 0.17 -0.86	34.15 0.16 -1.94	36.58 1.16 -2.34	29.02 0.36 -0.51	26.67 0.62 0.00	27.37 1.23 0.00	29.66 1.52 0.00	33.33 1.92 0.00	35.50 2.20 -0.01	38.12 2.28 -0.30	44.43 2.03 -0.01	57.08 1.55 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.60 1.16 7.58	51.30 0.50 11.44	46.87 0.59 -1.14	42.53 0.98 -0.81	36.79 1.26 -0.46
PPL_SHRM_GT4 24214	38.91 1.00 -0.72	33.97 0.78 -0.68	30.05 0.58 -0.45	27.87 0.41 0.00	27.95 0.28 -0.06	28.91 0.17 -0.86	34.15 0.16 -1.94	36.58 1.16 -2.34	29.02 0.36 -0.51	26.67 0.62 0.00	27.37 1.23 0.00	29.66 1.52 0.00	33.33 1.92 0.00	35.50 2.20 -0.01	38.12 2.28 -0.30	44.43 2.03 -0.01	57.08 1.55 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.60 1.16 7.58	51.30 0.50 11.44	46.87 0.59 -1.14	42.53 0.98 -0.81	36.79 1.26 -0.46
PROJECT___ORANGE 1 24174	36.85 -0.33 0.00	32.15 -0.36 0.00	28.70 -0.32 0.00	27.15 -0.30 0.00	27.33 -0.28 0.00	27.63 -0.25 0.00	31.70 -0.35 0.00	32.75 -0.33 0.00	27.92 -0.23 0.00	25.83 -0.21 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.09 -0.30 0.00	55.08 -0.44 0.00	82.21 -0.24 -2.17	90.21 0.25 -5.24	83.46 -0.31 -6.74	63.73 -0.31 -1.79	44.96 -0.32 -0.12	40.21 -0.45 0.08	34.53 -0.25 0.28
PROJECT___ORANGE 2 24166	36.85 -0.33 0.00	32.15 -0.36 0.00	28.70 -0.32 0.00	27.15 -0.30 0.00	27.33 -0.28 0.00	27.63 -0.25 0.00	31.70 -0.35 0.00	32.75 -0.33 0.00	27.92 -0.23 0.00	25.83 -0.21 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.09 -0.30 0.00	55.08 -0.44 0.00	82.21 -0.24 -2.17	90.21 0.25 -5.24	83.46 -0.31 -6.74	63.73 -0.31 -1.79	44.96 -0.32 -0.12	40.21 -0.45 0.08	34.53 -0.25 0.28
PUCKETT___SOLAR 323809	37.60 0.41 0.00	32.83 0.33 0.00	29.31 0.29 0.00	27.73 0.27 0.00	27.91 0.30 0.00	28.16 0.28 0.00	32.34 0.29 0.00	33.48 0.40 0.00	28.43 0.28 0.00	26.15 0.10 0.00	26.17 0.03 0.00	28.14 0.00 0.00	31.45 0.03 0.00	33.33 0.03 0.00	35.66 0.07 -0.05	42.64 0.26 0.00	55.92 0.39 0.00	83.45 1.69 -1.48	90.98 2.71 -3.56	83.60 2.00 -4.58	64.59 1.06 -1.29	46.02 0.72 -0.15	41.19 0.45 0.00	35.37 0.45 0.15
PYRITES___HYD 24023	38.19 1.00 0.00	33.42 0.91 0.00	29.83 0.81 0.00	28.17 0.71 0.00	28.30 0.69 0.00	28.63 0.75 0.00	32.95 0.90 0.00	33.81 0.73 0.00	28.68 0.53 0.00	26.36 0.31 0.00	26.56 0.42 0.00	28.70 0.56 0.00	32.01 0.60 0.00	33.83 0.53 0.00	35.89 0.36 0.00	42.98 0.59 0.00	56.30 0.78 0.00	82.25 1.53 -0.45	87.74 1.95 -1.08	81.26 2.85 -1.39	65.04 2.30 -0.49	46.81 1.54 -0.13	41.99 1.18 -0.07	35.71 0.63 -0.01
QUAKERRD_115KV_BK1 80622	35.78 -1.41 0.00	31.11 -1.40 0.00	27.77 -1.25 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.76 -1.12 0.00	30.61 -1.44 0.00	31.66 -1.42 0.00	27.16 -0.99 0.00	25.24 -0.81 0.00	25.28 -0.86 0.00	27.18 -0.96 0.00	30.35 -1.07 0.00	32.33 -0.97 0.00	34.40 -1.14 0.00	41.03 -1.36 0.00	53.30 -2.22 0.00	78.77 -2.81 -1.30	85.72 -2.12 -3.13	78.12 -2.93 -4.03	59.89 -2.37 -0.01	42.47 -1.85 0.82	38.06 -1.87 0.81	32.92 -1.37 0.77
QUENSBRY_115KV_TB8 356137	43.10 1.30 -4.60	38.01 1.14 -4.37	33.00 1.07 -2.91	28.53 1.07 0.00	29.13 1.10 -0.42	34.40 1.00 -5.52	33.14 1.09 0.00	34.04 0.96 0.00	31.94 0.53 -3.26	26.30 0.26 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.35 -0.06 0.00	33.23 -0.07 0.00	35.52 0.18 0.19	42.85 0.47 0.00	57.36 1.83 0.00	91.12 3.85 -6.99	108.80 4.66 -19.43	94.67 3.54 -14.10	69.26 2.55 -4.46	54.21 1.76 -7.30	47.58 1.63 -5.21	39.34 1.30 -2.97
RAMAPO___LBMP 323565	39.12 1.26 -0.66	34.40 1.27 -0.63	30.54 1.10 -0.42	28.47 1.02 0.00	28.66 0.99 -0.06	29.59 0.92 -0.79	33.14 1.09 0.00	34.27 1.19 0.00	29.66 1.04 -0.47	27.19 1.15 0.00	27.43 1.28 0.00	29.57 1.44 0.00	33.05 1.63 0.00	35.02 1.73 0.00	37.77 1.95 -0.28	44.42 2.03 0.00	58.13 2.61 0.00	85.54 4.25 -1.00	92.17 4.66 -2.79	82.36 3.31 -2.03	65.32 2.43 -0.64	48.05 1.85 -1.05	43.40 1.91 -0.75	37.21 1.72 -0.43
RANKINE____ 23646	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.36 -1.10 0.00	26.48 -1.13 0.00	26.71 -1.17 0.00	30.20 -1.86 0.00	31.10 -1.98 0.00	27.08 -1.07 0.00	25.37 -0.68 0.00	25.36 -0.78 0.00	27.38 -0.76 0.00	30.44 -0.97 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	40.99 -1.40 0.00	52.14 -3.39 0.00	77.15 -4.42 -1.28	84.41 -3.39 -3.09	75.61 -5.39 -3.98	58.26 -4.17 -0.19	41.32 -3.16 0.67	37.25 -2.81 0.67	32.72 -1.68 0.66
RAVENSWOOD_GT2_1 24244	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
RAVENSWOOD_GT2_2 24245	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46



RAVENSWOOD_GT2_3 24246	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.05 1.31 -0.86	33.59 1.54 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.72 2.43 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.18 3.24 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.81 2.28 -0.46
RAVENSWOOD_GT2_4 24247	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.05 1.31 -0.86	33.59 1.54 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.71 2.29 0.00	35.72 2.43 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.18 3.24 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.81 2.28 -0.46
RAVENSWOOD_GT3_1 24248	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.81 2.28 -0.46
RAVENSWOOD_GT3_2 24249	39.73 1.82 -0.72	34.95 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.81 2.28 -0.46
RAVENSWOOD_GT3_3 24250	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.66 1.61 0.00	27.92 1.78 0.00	30.14 2.00 0.00	33.74 2.32 0.00	35.76 2.46 0.00	38.50 2.67 -0.29	45.18 2.80 0.00	58.97 3.44 0.00	86.83 5.46 -1.09	93.59 5.85 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
RAVENSWOOD_GT3_4 24251	39.77 1.86 -0.72	34.98 1.79 -0.68	31.01 1.54 -0.45	28.86 1.40 0.00	29.06 1.38 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.80 1.72 0.00	30.18 1.52 -0.51	27.66 1.61 0.00	27.92 1.78 0.00	30.14 2.00 0.00	33.74 2.32 0.00	35.76 2.46 0.00	38.50 2.67 -0.29	45.18 2.80 0.00	58.97 3.44 0.00	86.83 5.46 -1.09	93.59 5.85 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
RAVENSWOOD_GT_1 23729	39.93 2.01 -0.73	35.12 1.92 -0.69	31.13 1.65 -0.46	28.98 1.51 -0.01	29.17 1.49 -0.07	30.20 1.45 -0.87	33.69 1.63 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.87 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.75 5.38 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	44.16 2.61 -0.81	37.96 2.42 -0.47
RAVENSWOOD_GT_10 24258	39.73 1.82 -0.72	34.94 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
RAVENSWOOD_GT_11 24259	39.73 1.82 -0.72	34.94 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
RAVENSWOOD_GT_4 24252	39.69 1.79 -0.71	34.91 1.72 -0.68	30.94 1.48 -0.45	28.80 1.35 0.01	28.99 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.61 1.56 0.00	27.87 1.73 0.00	30.08 1.94 0.00	33.64 2.23 0.01	35.65 2.36 0.01	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.73 2.21 -0.46
RAVENSWOOD_GT_5 24254	39.69 1.79 -0.71	34.91 1.72 -0.68	30.94 1.48 -0.45	28.80 1.35 0.01	28.99 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.61 1.56 0.00	27.87 1.73 0.00	30.08 1.94 0.00	33.64 2.23 0.01	35.65 2.36 0.01	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.73 2.21 -0.46
RAVENSWOOD_GT_6 24253	39.69 1.79 -0.71	34.91 1.72 -0.68	30.94 1.48 -0.45	28.80 1.35 0.01	28.99 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.61 1.56 0.00	27.87 1.73 0.00	30.08 1.94 0.00	33.64 2.23 0.01	35.65 2.36 0.01	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.73 2.21 -0.46
RAVENSWOOD_GT_7 24255	39.69 1.79 -0.71	34.91 1.72 -0.68	30.94 1.48 -0.45	28.80 1.35 0.01	28.99 1.33 -0.06	30.02 1.28 -0.86	33.56 1.51 0.00	34.74 1.65 0.00	30.12 1.46 -0.51	27.61 1.56 0.00	27.87 1.73 0.00	30.08 1.94 0.00	33.64 2.23 0.01	35.65 2.36 0.01	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.73 2.21 -0.46
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	39.73 1.82 -0.72	34.94 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46
RAVENSWOOD_GT_9 24257	39.73 1.82 -0.72	34.94 1.76 -0.68	30.98 1.51 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.15 1.49 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.04 2.49 -0.81	37.77 2.24 -0.46



RAVENSWOOD___1 23533	39.92 2.01 -0.73	35.08 1.88 -0.69	31.13 1.65 -0.46	28.97 1.51 -0.01	29.17 1.49 -0.07	30.19 1.45 -0.87	35.53 1.54 -1.94	37.18 1.75 -2.34	30.18 1.52 -0.51	27.73 1.69 0.00	27.95 1.80 0.00	30.22 2.08 0.00	33.81 2.39 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.06 2.67 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.59 5.84 -3.03	83.69 4.47 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	44.08 2.53 -0.81	37.88 2.35 -0.47
RAVENSWOOD___2 23534	39.85 1.93 -0.73	35.02 1.82 -0.69	31.07 1.59 -0.46	28.92 1.45 -0.01	29.12 1.43 -0.07	30.14 1.39 -0.87	35.50 1.51 -1.94	37.11 1.69 -2.34	30.12 1.46 -0.51	27.68 1.64 0.00	27.90 1.75 0.00	30.17 2.03 0.00	33.75 2.32 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.46 2.94 0.00	86.19 4.82 -1.09	93.00 5.25 -3.03	83.23 4.00 -2.20	65.68 2.74 -0.70	48.27 1.98 -1.14	44.00 2.44 -0.81	37.81 2.28 -0.47
RAVENSWOOD___3 23535	39.73 1.82 -0.72	34.91 1.72 -0.68	30.98 1.51 -0.45	28.86 1.40 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	35.43 1.44 -1.94	37.08 1.65 -2.34	30.09 1.43 -0.51	27.63 1.59 0.00	27.84 1.70 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.46 2.63 -0.29	45.06 2.67 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.69 4.47 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	43.95 2.40 -0.81	37.74 2.21 -0.46
RAVENSWOOD___4 23820	39.88 1.97 -0.73	35.08 1.88 -0.69	31.13 1.65 -0.46	28.97 1.51 -0.01	29.17 1.49 -0.07	30.17 1.42 -0.87	35.53 1.54 -1.94	37.18 1.75 -2.34	30.18 1.52 -0.51	27.73 1.69 0.00	27.95 1.80 0.00	30.22 2.08 0.00	33.81 2.39 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.06 2.67 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.69 4.47 -2.20	66.05 3.11 -0.70	48.54 2.26 -1.14	44.08 2.53 -0.81	37.88 2.35 -0.47
RCPL_TRUST___DRP 24196	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.77 2.24 -0.46
RED___ROCHESTER 323720	36.63 -0.56 0.00	31.82 -0.68 0.00	28.38 -0.64 0.00	26.93 -0.52 0.00	27.06 -0.55 0.00	27.38 -0.50 0.00	31.51 -0.55 0.00	32.52 -0.56 0.00	27.87 -0.28 0.00	25.86 -0.18 0.00	25.99 -0.16 0.00	27.86 -0.28 0.00	31.16 -0.25 0.00	33.19 -0.10 0.00	35.25 -0.29 0.00	42.13 -0.25 0.00	54.58 -0.94 0.00	80.45 -1.05 -1.21	87.64 0.00 -2.92	80.25 -0.54 -3.77	61.18 -0.93 0.13	43.58 -0.68 0.89	39.06 -0.81 0.86	33.80 -0.46 0.80
REGAN___SOLAR 323812	42.28 2.49 -2.60	37.12 2.15 -2.47	32.63 1.97 -1.65	29.32 1.87 0.00	29.75 1.90 -0.24	32.89 1.90 -3.12	41.12 2.05 -7.01	43.41 1.85 -8.47	30.72 0.73 -1.84	26.17 0.13 0.00	25.86 -0.29 0.00	27.72 -0.42 0.00	30.88 -0.53 0.00	32.76 -0.53 0.00	35.21 -0.21 0.12	42.68 0.30 0.00	57.69 2.16 0.00	90.08 5.86 -3.95	103.65 7.96 -10.97	91.69 6.70 -7.96	69.68 4.92 -2.52	52.66 3.39 -4.13	46.65 2.97 -2.94	39.20 2.45 -1.68
RENSSELAER___COGEN 23796	22.40 0.33 15.13	18.48 0.33 14.35	19.76 0.32 9.57	27.73 0.27 0.00	26.52 0.28 1.37	9.98 0.25 18.15	-8.34 0.39 40.78	-15.89 0.30 49.27	17.58 0.14 10.71	26.12 0.08 0.00	26.17 0.03 0.00	28.19 0.06 0.00	31.44 0.03 0.00	33.29 0.00 0.00	35.47 0.11 0.17	42.43 0.08 0.04	55.80 0.28 0.00	58.28 0.97 22.97	21.97 1.10 63.84	31.31 0.61 46.33	47.84 0.25 14.65	21.56 0.41 23.99	24.11 0.49 17.12	25.74 0.45 9.77
REPUBLIC_115KV_BARTNBRK 55605	44.68 2.79 -4.70	39.31 2.34 -4.46	34.20 2.21 -2.98	29.57 2.11 0.00	30.24 2.21 -0.43	35.64 2.12 -5.64	34.36 2.31 0.00	35.13 2.05 0.00	32.72 1.24 -3.33	26.82 0.78 0.00	26.51 0.37 0.00	28.56 0.42 0.00	31.79 0.38 0.00	33.73 0.43 0.00	36.23 0.89 0.20	43.87 1.48 0.00	59.41 3.89 0.00	94.89 7.47 -7.14	113.46 8.89 -19.85	98.67 7.24 -14.41	72.16 5.35 -4.56	56.22 3.61 -7.46	49.28 3.22 -5.33	40.70 2.59 -3.04
REVERE_CPPR_DRP 24186	38.08 0.89 0.00	33.32 0.81 0.00	29.71 0.70 0.00	28.06 0.60 0.00	28.22 0.61 0.00	28.46 0.59 0.00	32.70 0.64 0.00	33.74 0.66 0.00	28.60 0.45 0.00	26.25 0.21 0.00	26.35 0.21 0.00	28.39 0.25 0.00	31.82 0.41 0.00	33.69 0.40 0.00	35.97 0.43 0.00	43.15 0.76 0.00	56.75 1.22 0.00	84.21 2.89 -1.04	90.94 3.73 -2.49	83.32 3.08 -3.21	65.56 2.18 -1.14	46.89 1.44 -0.30	41.92 1.02 -0.17	35.86 0.77 -0.03
REYNLDPA_13_KV_LD 356490	37.52 0.33 0.00	32.83 0.33 0.00	29.31 0.29 0.00	27.70 0.25 0.00	27.86 0.25 0.00	28.18 0.31 0.00	32.41 0.35 0.00	33.35 0.26 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.41 0.26 0.00	28.53 0.39 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.68 0.30 0.00	55.86 0.34 0.00	80.44 0.16 0.00	84.54 -0.17 0.00	77.57 0.54 0.00	63.12 0.87 0.00	45.60 0.45 0.00	41.10 0.37 0.00	35.20 0.14 0.00
REYNOLDS_115KV_TB3 80639	50.48 0.78 -12.51	45.09 0.72 -11.87	37.57 0.64 -7.92	28.03 0.58 0.00	29.35 0.61 -1.13	43.47 0.59 -15.01	32.89 0.83 0.00	33.94 0.86 0.00	37.51 0.51 -8.86	26.46 0.42 0.00	26.51 0.37 0.00	28.53 0.39 0.00	31.82 0.41 0.00	33.69 0.40 0.00	35.83 0.50 0.21	42.98 0.59 0.00	56.52 1.00 0.00	101.28 2.01 -18.99	139.63 2.12 -52.80	116.73 1.39 -38.32	75.36 1.00 -12.12	65.99 0.99 -19.84	55.92 1.02 -14.16	44.06 0.91 -8.08
RIVERBAY____ 323610	40.45 2.53 -0.73	35.51 2.31 -0.69	31.48 2.00 -0.46	29.30 1.84 -0.01	29.51 1.82 -0.07	30.50 1.76 -0.87	33.91 1.86 0.00	35.07 1.98 0.00	30.40 1.75 -0.51	27.87 1.82 0.00	28.13 1.99 0.00	30.36 2.22 0.00	34.01 2.61 0.01	36.01 2.73 0.01	38.78 2.95 -0.29	45.35 2.97 0.00	59.24 3.72 0.00	87.15 5.78 -1.09	94.01 6.27 -3.03	83.92 4.70 -2.20	66.49 3.55 -0.70	48.82 2.53 -1.14	44.57 3.01 -0.81	38.34 2.81 -0.47
RIVERSDE_115KV_TB3 55908	43.94 0.60 -6.16	38.90 0.55 -5.84	33.43 0.52 -3.90	27.90 0.44 0.00	28.64 0.47 -0.56	35.71 0.45 -7.39	32.76 0.71 0.00	33.78 0.69 0.00	32.85 0.34 -4.36	26.30 0.26 0.00	26.35 0.21 0.00	28.36 0.23 0.00	31.67 0.25 0.00	33.49 0.20 0.00	35.66 0.32 0.19	42.77 0.38 0.00	56.25 0.72 0.00	91.23 1.61 -9.35	112.40 1.69 -25.99	96.89 1.00 -18.86	68.90 0.68 -5.97	55.69 0.77 -9.77	48.57 0.86 -6.97	39.78 0.74 -3.98
ROARING___BROOK_WT_PWR 323790	37.04 -0.15 0.00	32.31 -0.19 0.00	28.78 -0.23 0.00	27.18 -0.27 0.00	27.28 -0.33 0.00	27.54 -0.33 0.00	31.67 -0.38 0.00	32.69 -0.40 0.00	27.89 -0.25 0.00	25.89 -0.16 0.00	26.07 -0.08 0.00	28.11 -0.03 0.00	31.38 -0.03 0.00	33.23 -0.07 0.00	35.47 -0.07 0.00	42.30 -0.08 0.00	55.41 -0.11 0.00	80.04 -0.24 0.00	84.21 -0.51 0.00	76.33 -0.69 0.00	61.37 -0.87 0.00	44.29 -0.86 0.00	39.84 -0.90 0.00	34.19 -0.88 0.00



ROCHESRG_115KV_T4 355643	36.33 -0.86 0.00	31.57 -0.94 0.00	28.17 -0.84 0.00	26.77 -0.69 0.00	26.89 -0.72 0.00	27.18 -0.70 0.00	31.03 -1.03 0.00	32.06 -1.03 0.00	27.59 -0.56 0.00	25.63 -0.42 0.00	25.67 -0.47 0.00	27.63 -0.51 0.00	30.82 -0.60 0.00	32.83 -0.47 0.00	34.94 -0.60 0.00	41.58 -0.81 0.00	53.86 -1.67 0.00	79.54 -1.93 -1.19	86.39 -1.19 -2.86	78.48 -2.23 -3.69	60.31 -1.74 0.19	42.82 -1.40 0.93	38.47 -1.39 0.89	33.36 -0.88 0.82
ROCHESTER_9_IC 23652	36.48 -0.71 0.00	31.70 -0.81 0.00	28.29 -0.73 0.00	26.88 -0.58 0.00	26.97 -0.64 0.00	27.29 -0.59 0.00	31.16 -0.90 0.00	32.22 -0.86 0.00	27.70 -0.45 0.00	25.76 -0.29 0.00	25.78 -0.37 0.00	27.74 -0.39 0.00	30.97 -0.44 0.00	33.03 -0.27 0.00	35.08 -0.46 0.00	41.83 -0.55 0.00	54.14 -1.39 0.00	79.97 -1.53 -1.21	87.05 -0.59 -2.92	79.02 -1.77 -3.77	60.74 -1.37 0.14	43.12 -1.13 0.90	38.69 -1.18 0.86	33.52 -0.74 0.81
ROCKVIEW_13_KV_LD 356306	39.62 1.71 -0.72	34.85 1.66 -0.68	30.92 1.45 -0.45	28.77 1.32 0.00	28.97 1.30 -0.06	29.99 1.25 -0.86	33.53 1.47 0.00	34.74 1.65 0.00	30.09 1.44 -0.51	27.58 1.54 0.00	27.84 1.70 0.00	30.05 1.91 0.00	33.61 2.20 0.00	35.62 2.33 0.00	38.39 2.56 -0.29	45.10 2.71 0.00	58.97 3.44 0.00	86.75 5.38 -1.09	93.59 5.85 -3.03	83.61 4.39 -2.20	66.24 3.30 -0.70	48.68 2.39 -1.14	44.00 2.44 -0.81	37.70 2.17 -0.46
ROME____115KV_TB2 80656	38.08 0.89 0.00	33.32 0.81 0.00	29.71 0.70 0.00	28.06 0.60 0.00	28.22 0.61 0.00	28.46 0.59 0.00	32.70 0.64 0.00	33.74 0.66 0.00	28.60 0.45 0.00	26.25 0.21 0.00	26.35 0.21 0.00	28.39 0.25 0.00	31.82 0.41 0.00	33.69 0.40 0.00	35.97 0.43 0.00	43.15 0.76 0.00	56.75 1.22 0.00	84.21 2.89 -1.04	90.94 3.73 -2.49	83.32 3.08 -3.21	65.56 2.18 -1.14	46.89 1.44 -0.30	41.92 1.02 -0.17	35.86 0.77 -0.03
ROSETON___1 23587	39.04 1.19 -0.66	34.27 1.14 -0.62	30.44 1.02 -0.41	28.42 0.96 0.00	28.61 0.94 -0.06	29.53 0.87 -0.79	34.78 0.96 -1.77	36.31 1.09 -2.14	29.54 0.93 -0.46	27.09 1.04 0.00	27.24 1.10 0.00	29.38 1.24 0.00	32.79 1.38 0.00	34.79 1.50 0.00	37.49 1.67 -0.28	44.12 1.74 0.00	57.80 2.28 0.00	85.05 3.77 -1.00	91.55 4.07 -2.77	82.12 3.08 -2.01	65.00 2.12 -0.64	47.81 1.62 -1.04	43.15 1.67 -0.74	36.99 1.51 -0.42
ROSETON___2 23588	39.04 1.19 -0.66	34.27 1.14 -0.62	30.44 1.02 -0.41	28.42 0.96 0.00	28.61 0.94 -0.06	29.53 0.87 -0.79	34.78 0.96 -1.77	36.31 1.09 -2.14	29.54 0.93 -0.46	27.09 1.04 0.00	27.24 1.10 0.00	29.38 1.24 0.00	32.79 1.38 0.00	34.79 1.50 0.00	37.49 1.67 -0.28	44.12 1.74 0.00	57.80 2.28 0.00	85.05 3.77 -1.00	91.55 4.07 -2.77	82.12 3.08 -2.01	65.00 2.12 -0.64	47.81 1.62 -1.04	43.15 1.67 -0.74	36.99 1.51 -0.42
ROTRDAM_115KV_TB3 80664	41.05 0.93 -2.93	36.10 0.81 -2.78	31.62 0.75 -1.86	28.17 0.71 0.00	28.62 0.75 -0.27	32.09 0.70 -3.52	32.86 0.80 0.00	33.84 0.76 0.00	30.73 0.51 -2.08	26.46 0.42 0.00	26.48 0.34 0.00	28.50 0.37 0.00	31.79 0.38 0.00	33.69 0.40 0.00	35.92 0.53 0.15	43.11 0.72 0.00	56.80 1.28 0.00	87.22 2.49 -4.45	99.88 2.80 -12.38	88.08 2.08 -8.98	66.64 1.56 -2.84	50.97 1.17 -4.65	45.20 1.14 -3.32	37.94 0.98 -1.89
RUSSELL___1 23602	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
RUSSELL___2 23532	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
RUSSELL___3 23549	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
RUSSELL___4 23556	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
RUSSELL__STATION 23914	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
S SALMON__HYD 24043	37.08 -0.11 0.00	32.38 -0.13 0.00	28.87 -0.14 0.00	27.29 -0.16 0.00	27.45 -0.16 0.00	27.74 -0.14 0.00	31.89 -0.16 0.00	32.98 -0.10 0.00	27.95 -0.20 0.00	25.76 -0.29 0.00	25.86 -0.29 0.00	27.77 -0.37 0.00	31.07 -0.34 0.00	32.93 -0.37 0.00	35.15 -0.39 0.00	42.04 -0.34 0.00	55.08 -0.45 0.00	83.67 0.16 -3.23	93.33 0.85 -7.77	87.72 0.69 -10.01	66.38 0.25 -3.88	46.51 0.14 -1.22	41.39 -0.12 -0.77	35.20 -0.14 -0.28
S.PERRY__115KV_TB1 80734	37.45 0.26 0.00	32.48 -0.03 0.00	28.96 -0.06 0.00	27.48 0.03 0.00	27.61 0.00 0.00	27.93 0.06 0.00	31.86 -0.19 0.00	32.95 -0.13 0.00	28.20 0.06 0.00	26.04 0.00 0.00	25.94 -0.21 0.00	27.91 -0.23 0.00	31.13 -0.28 0.00	33.29 0.00 0.00	35.47 -0.07 0.00	42.38 0.00 0.00	55.02 -0.50 0.00	82.22 0.56 -1.38	90.67 2.63 -3.33	82.16 0.85 -4.28	63.15 0.50 -0.41	44.65 0.05 0.54	39.75 -0.41 0.58	34.39 -0.07 0.60
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	35.59 -1.60 0.00	30.79 -1.72 0.00	27.56 -1.45 0.00	26.22 -1.24 0.00	26.34 -1.27 0.00	26.57 -1.31 0.00	30.00 -2.05 0.00	30.90 -2.18 0.00	26.94 -1.21 0.00	25.21 -0.83 0.00	25.20 -0.94 0.00	27.18 -0.96 0.00	30.22 -1.19 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.58 -3.94 0.00	76.24 -5.30 -1.26	83.34 -4.41 -3.03	74.61 -6.32 -3.90	57.63 -4.73 -0.11	40.87 -3.57 0.71	36.93 -3.10 0.71	32.51 -1.86 0.69



SAWYER___23_KV_LOAD 55526	35.59 -1.60 0.00	30.79 -1.72 0.00	27.56 -1.45 0.00	26.22 -1.24 0.00	26.34 -1.27 0.00	26.57 -1.31 0.00	30.00 -2.05 0.00	30.90 -2.18 0.00	26.94 -1.21 0.00	25.21 -0.83 0.00	25.20 -0.94 0.00	27.18 -0.96 0.00	30.22 -1.19 0.00	32.33 -0.97 0.00	34.37 -1.17 0.00	40.56 -1.82 0.00	51.58 -3.94 0.00	76.24 -5.30 -1.26	83.34 -4.41 -3.03	74.61 -6.32 -3.90	57.63 -4.73 -0.11	40.87 -3.57 0.71	36.93 -3.10 0.71	32.51 -1.86 0.69
SELKIRK___I 23801	29.52 -0.07 7.59	25.27 -0.03 7.21	24.21 0.00 4.80	27.43 -0.03 0.00	26.92 0.00 0.69	18.71 -0.06 9.11	11.55 -0.03 20.47	8.22 -0.13 24.73	22.46 -0.31 5.38	25.62 -0.42 0.00	25.63 -0.50 0.01	27.62 -0.51 0.01	30.80 -0.60 0.01	32.61 -0.67 0.01	34.90 -0.53 0.10	41.09 -0.63 0.66	54.97 -0.56 0.00	68.62 0.00 11.66	52.84 0.17 32.05	53.54 -0.23 23.26	54.58 -0.31 7.36	33.06 -0.05 12.04	32.18 0.04 8.60	30.19 0.04 4.91
SELKIRK___II 23799	28.52 0.11 8.78	24.31 0.13 8.33	23.61 0.15 5.55	27.57 0.11 0.00	26.96 0.14 0.79	17.43 0.08 10.53	8.52 0.13 23.66	4.59 0.10 28.59	21.93 0.00 6.22	25.99 -0.05 0.00	26.02 -0.08 0.04	28.04 -0.06 0.04	31.28 -0.09 0.04	33.12 -0.13 0.04	35.38 -0.04 0.12	40.22 -0.13 2.04	55.47 -0.06 0.00	66.85 0.32 13.75	48.18 0.51 37.05	50.22 0.08 26.89	53.62 -0.12 8.50	31.41 0.18 13.92	31.05 0.25 9.94	29.64 0.25 5.67
SENECA OSWGO___HYD 24041	36.59 -0.60 0.00	31.96 -0.55 0.00	28.52 -0.49 0.00	26.99 -0.47 0.00	27.14 -0.47 0.00	27.46 -0.42 0.00	31.57 -0.48 0.00	32.62 -0.46 0.00	27.75 -0.39 0.00	25.65 -0.39 0.00	25.75 -0.39 0.00	27.66 -0.48 0.00	30.91 -0.50 0.00	32.79 -0.50 0.00	35.01 -0.53 0.00	41.83 -0.55 0.00	54.80 -0.72 0.00	83.99 -0.72 -4.44	95.16 -0.25 -10.70	90.33 -0.46 -13.77	67.42 -0.68 -5.86	46.73 -0.54 -2.12	41.52 -0.65 -1.43	35.25 -0.49 -0.68
SENECA___115KV_TB3 355854	35.85 -1.34 0.00	31.01 -1.50 0.00	27.77 -1.25 0.00	26.39 -1.07 0.00	26.51 -1.10 0.00	26.73 -1.14 0.00	30.23 -1.83 0.00	31.13 -1.95 0.00	27.11 -1.04 0.00	25.39 -0.65 0.00	25.39 -0.76 0.00	27.41 -0.73 0.00	30.50 -0.91 0.00	32.63 -0.67 0.00	34.72 -0.82 0.00	41.03 -1.36 0.00	52.25 -3.28 0.00	77.31 -4.25 -1.28	84.58 -3.22 -3.09	75.76 -5.24 -3.98	58.39 -4.05 -0.19	41.37 -3.12 0.67	37.34 -2.73 0.67	32.75 -1.65 0.66
SENECA___ENERGY 23797	36.85 -0.34 0.00	32.12 -0.39 0.00	28.64 -0.38 0.00	27.13 -0.33 0.00	27.31 -0.30 0.00	27.60 -0.28 0.00	31.73 -0.32 0.00	32.78 -0.30 0.00	27.95 -0.20 0.00	25.83 -0.21 0.00	25.91 -0.24 0.00	27.83 -0.31 0.00	31.10 -0.31 0.00	33.06 -0.23 0.00	35.29 -0.25 0.00	42.09 -0.29 0.00	55.02 -0.50 0.00	82.62 -0.16 -2.50	91.51 0.76 -6.03	85.02 0.23 -7.77	64.32 -0.31 -2.38	45.25 -0.31 -0.41	40.35 -0.53 -0.14	34.67 -0.24 0.15
SHOEMAKER___GT 23640	38.87 1.08 -0.60	34.12 1.04 -0.57	30.32 0.93 -0.38	28.33 0.88 0.00	28.52 0.86 -0.05	29.37 0.78 -0.72	34.54 0.87 -1.62	36.03 0.99 -1.95	29.39 0.82 -0.42	26.95 0.91 0.00	27.08 0.94 0.00	29.21 1.07 0.00	32.61 1.19 0.00	34.63 1.33 0.00	37.29 1.49 -0.26	43.99 1.61 0.00	57.69 2.16 0.00	84.88 3.69 -0.91	91.39 4.15 -2.53	81.94 3.08 -1.84	64.94 2.12 -0.58	47.68 1.58 -0.95	42.96 1.55 -0.68	36.85 1.40 -0.39
SHOEMAKR_138KV_BK 111 55601	38.82 1.04 -0.59	34.14 1.07 -0.56	30.32 0.93 -0.38	28.33 0.88 0.00	28.52 0.86 -0.05	29.37 0.78 -0.71	32.95 0.90 0.00	34.08 0.99 0.00	29.41 0.84 -0.42	26.95 0.91 0.00	27.14 0.99 0.00	29.24 1.10 0.00	32.67 1.26 0.00	34.62 1.33 0.00	37.32 1.53 -0.26	44.04 1.65 0.00	57.69 2.17 0.00	84.87 3.69 -0.90	91.28 4.07 -2.50	81.69 2.85 -1.82	64.94 2.12 -0.57	47.72 1.63 -0.94	43.04 1.63 -0.67	36.88 1.44 -0.38
SHOREHAM_IC_1 23715	38.91 1.00 -0.72	33.97 0.78 -0.68	30.05 0.58 -0.45	27.87 0.41 0.00	27.95 0.28 -0.06	28.91 0.17 -0.86	34.15 0.16 -1.94	36.58 1.16 -2.34	29.02 0.36 -0.51	26.67 0.62 0.00	27.37 1.23 0.00	29.66 1.52 0.00	33.33 1.92 -0.01	35.50 2.20 -0.30	38.12 2.28 -0.01	44.43 2.03 -0.01	57.08 1.55 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.60 1.16 7.58	51.30 0.50 11.44	46.87 0.59 -1.14	42.53 0.98 -0.81	36.79 1.26 -0.46
SHOREHAM_IC_2 23716	38.91 1.00 -0.72	33.97 0.78 -0.68	30.05 0.58 -0.45	27.87 0.41 0.00	27.95 0.28 -0.06	28.91 0.17 -0.86	32.66 0.61 0.00	33.78 0.69 0.00	29.08 0.42 -0.51	26.67 0.63 0.00	27.40 1.25 0.00	29.66 1.52 0.00	33.33 1.92 0.00	35.50 2.20 -0.01	38.12 2.27 -0.30	44.47 2.08 -0.01	57.08 1.55 0.00	83.37 2.01 -1.08	88.15 2.12 -1.31	70.52 1.08 7.58	51.36 0.56 11.44	46.96 0.68 -1.14	42.94 1.39 -0.81	36.86 1.33 -0.46
SISSONVILLE____ 23735	37.82 0.63 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.90 0.44 0.00	28.02 0.41 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.51 0.43 0.00	28.51 0.37 0.00	26.28 0.23 0.00	26.48 0.34 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.73 0.43 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.33 0.00	81.33 0.56 -0.48	86.56 0.68 -1.16	80.14 1.62 -1.50	64.08 1.31 -0.53	46.19 0.90 -0.14	41.51 0.69 -0.08	35.36 0.28 -0.01
SITHE_IND_GS1 24169	36.11 -1.08 0.00	31.53 -0.97 0.00	28.15 -0.87 0.00	26.63 -0.82 0.00	26.81 -0.80 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.19 -0.89 0.00	27.42 -0.73 0.00	25.34 -0.70 0.00	25.44 -0.70 0.00	27.32 -0.82 0.00	30.50 -0.91 0.00	32.36 -0.93 0.00	34.54 -0.99 0.00	41.24 -1.14 0.00	53.97 -1.55 0.00	61.47 -2.00 16.81	42.43 -1.78 40.50	23.04 -1.85 52.13	22.28 -1.68 38.29	22.21 -1.22 21.72	22.46 -1.22 17.06	22.32 -0.98 11.76
SITHE_IND_GS2 24170	36.11 -1.08 0.00	31.53 -0.97 0.00	28.15 -0.87 0.00	26.63 -0.82 0.00	26.81 -0.80 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.19 -0.89 0.00	27.42 -0.73 0.00	25.34 -0.70 0.00	25.44 -0.70 0.00	27.32 -0.82 0.00	30.50 -0.91 0.00	32.36 -0.93 0.00	34.54 -0.99 0.00	41.24 -1.14 0.00	53.97 -1.55 0.00	61.47 -2.00 16.81	42.43 -1.78 40.50	23.04 -1.85 52.13	22.28 -1.68 38.29	22.21 -1.22 21.72	22.46 -1.22 17.06	22.32 -0.98 11.76
SITHE_IND_GS3 24171	36.11 -1.08 0.00	31.53 -0.97 0.00	28.15 -0.87 0.00	26.63 -0.82 0.00	26.81 -0.80 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.19 -0.89 0.00	27.42 -0.73 0.00	25.34 -0.70 0.00	25.44 -0.70 0.00	27.32 -0.82 0.00	30.50 -0.91 0.00	32.36 -0.93 0.00	34.54 -0.99 0.00	41.24 -1.14 0.00	53.97 -1.55 0.00	61.47 -2.00 16.81	42.43 -1.78 40.50	23.04 -1.85 52.13	22.28 -1.68 38.29	22.21 -1.22 21.72	22.46 -1.22 17.06	22.32 -0.98 11.76
SITHE_IND_GS4 24172	36.11 -1.08 0.00	31.53 -0.97 0.00	28.15 -0.87 0.00	26.63 -0.82 0.00	26.81 -0.80 0.00	27.12 -0.75 0.00	31.19 -0.86 0.00	32.19 -0.89 0.00	27.42 -0.73 0.00	25.34 -0.70 0.00	25.44 -0.70 0.00	27.32 -0.82 0.00	30.50 -0.91 0.00	32.36 -0.93 0.00	34.54 -0.99 0.00	41.24 -1.14 0.00	53.97 -1.55 0.00	61.47 -2.00 16.81	42.43 -1.78 40.50	23.04 -1.85 52.13	22.28 -1.68 38.29	22.21 -1.22 21.72	22.46 -1.22 17.06	22.32 -0.98 11.76



SITHE___BATAVIA 24024	36.52 -0.67 0.00	31.44 -1.07 0.00	28.26 -0.75 0.00	26.85 -0.60 0.00	26.98 -0.63 0.00	27.29 -0.59 0.00	31.32 -0.74 0.00	32.12 -0.96 0.00	27.61 -0.54 0.00	25.62 -0.42 0.00	25.75 -0.39 0.00	27.55 -0.59 0.00	30.79 -0.63 0.00	32.83 -0.47 0.00	34.86 -0.68 0.00	41.58 -0.81 0.00	53.36 -2.17 0.00	78.88 -2.65 -1.25	86.46 -1.27 -3.01	78.90 -2.00 -3.88	59.71 -2.55 -0.02	42.65 -1.72 0.78	38.34 -1.63 0.77	33.45 -0.88 0.74
SITHE___INDEPEND 23800	36.11 -1.08 0.00	31.53 -0.98 0.00	28.14 -0.87 0.00	26.66 -0.80 0.00	26.81 -0.80 0.00	27.10 -0.78 0.00	31.12 -0.93 0.00	32.16 -0.93 0.00	27.39 -0.76 0.00	25.34 -0.70 0.00	25.41 -0.73 0.00	27.32 -0.82 0.00	30.50 -0.91 0.00	32.36 -0.93 0.00	34.54 -1.00 0.00	41.24 -1.14 0.00	53.97 -1.55 0.00	61.47 -2.01 16.81	42.35 -1.86 40.50	22.89 -2.00 52.13	22.28 -1.68 38.29	22.16 -1.26 21.72	22.46 -1.22 17.06	22.32 -0.98 11.76
SITHE___MASSENA 23902	37.60 0.41 0.00	32.87 0.36 0.00	29.36 0.35 0.00	27.76 0.30 0.00	27.89 0.28 0.00	28.21 0.34 0.00	32.44 0.39 0.00	33.41 0.33 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.68 0.30 0.00	55.92 0.39 0.00	80.52 0.24 0.00	84.71 0.00 0.00	77.72 0.69 0.00	63.24 0.99 0.00	45.69 0.54 0.00	41.19 0.45 0.00	35.24 0.18 0.00
SITHE___OGDNSBRG 24021	38.08 0.89 0.00	33.32 0.81 0.00	29.77 0.75 0.00	28.11 0.66 0.00	28.24 0.64 0.00	28.57 0.70 0.00	32.89 0.83 0.00	33.74 0.66 0.00	28.63 0.48 0.00	26.33 0.29 0.00	26.54 0.39 0.00	28.67 0.53 0.00	31.95 0.53 0.00	33.76 0.47 0.00	35.86 0.32 0.00	42.94 0.55 0.00	56.30 0.78 0.00	82.02 1.36 -0.38	87.32 1.69 -0.91	80.81 2.62 -1.17	64.84 2.18 -0.41	46.61 1.35 -0.11	41.86 1.06 -0.06	35.67 0.60 -0.01
SITHE___STERLING 23777	37.86 0.67 0.00	33.12 0.62 0.00	29.54 0.52 0.00	27.92 0.47 0.00	28.08 0.47 0.00	28.35 0.47 0.00	32.60 0.54 0.00	33.71 0.63 0.00	28.54 0.39 0.00	26.25 0.21 0.00	26.33 0.18 0.00	28.36 0.22 0.00	31.73 0.31 0.00	33.63 0.33 0.00	35.89 0.36 0.00	43.06 0.68 0.00	56.52 1.00 0.00	83.77 2.33 -1.16	90.56 3.05 -2.81	83.26 2.62 -3.61	64.95 1.74 -0.96	46.39 1.17 -0.07	41.47 0.77 0.04	35.55 0.63 0.15
SLEIGHT__34_KV_TB1 80719	36.45 -0.74 0.00	31.70 -0.81 0.00	28.26 -0.75 0.00	26.82 -0.63 0.00	26.95 -0.66 0.00	27.26 -0.61 0.00	31.19 -0.87 0.00	32.29 -0.79 0.00	27.64 -0.51 0.00	25.65 -0.39 0.00	25.67 -0.47 0.00	27.63 -0.51 0.00	30.85 -0.57 0.00	32.86 -0.43 0.00	34.97 -0.57 0.00	41.79 -0.59 0.00	54.47 -1.05 0.00	80.95 -0.96 -1.64	88.49 -0.17 -3.94	81.10 -1.00 -5.07	61.98 -0.93 -0.67	43.81 -0.86 0.49	39.13 -1.06 0.55	33.76 -0.70 0.60
SMITHTWN_69_KV_BK 1 55830	39.36 1.45 -0.72	34.39 1.20 -0.68	30.43 0.96 -0.45	28.22 0.77 0.00	28.31 0.64 -0.06	29.27 0.53 -0.86	32.95 0.90 0.00	34.08 0.99 0.00	29.42 0.76 -0.51	27.01 0.96 0.00	27.71 1.57 0.00	30.02 1.89 0.00	33.77 2.36 0.00	35.93 2.63 -0.01	38.61 2.77 -0.30	44.98 2.59 -0.01	57.80 2.28 0.00	84.17 2.81 -1.08	88.91 2.96 -1.23	68.37 1.85 10.50	48.48 1.31 15.08	47.55 1.26 -1.14	43.47 1.91 -0.81	37.35 1.82 -0.46
SOUTH CAIRO___GT 23612	30.33 1.30 8.16	25.93 1.17 7.75	24.89 1.04 5.16	28.25 0.80 0.00	27.87 0.99 0.74	19.03 0.95 9.79	33.05 0.99 0.00	34.01 0.93 0.00	22.93 0.56 5.78	26.15 0.10 0.00	26.20 0.08 0.02	28.14 0.03 0.02	31.49 0.09 0.02	33.24 -0.03 0.02	35.93 0.46 0.07	42.21 0.85 1.02	57.02 1.50 0.00	71.93 4.25 12.61	55.26 5.00 34.45	55.80 3.77 25.00	57.14 2.80 7.91	34.28 2.08 12.95	33.29 1.79 9.24	31.19 1.40 5.27
SOUTH HAMPTN___IC 23720	39.40 1.49 -0.72	34.36 1.17 -0.68	30.43 0.96 -0.45	28.22 0.77 0.00	28.31 0.64 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.98 1.56 -2.34	29.42 0.76 -0.51	27.06 1.01 0.00	27.79 1.65 0.00	30.14 2.00 0.00	33.87 2.45 0.00	36.10 2.80 -0.01	38.76 2.91 -0.30	45.23 2.84 -0.01	58.08 2.56 0.00	84.66 3.29 -1.08	89.67 3.64 -1.32	72.02 2.46 7.46	52.38 1.43 11.30	47.55 1.26 -1.14	43.06 1.51 -0.81	37.24 1.72 -0.46
SOUTHDOW_115KV_TB1 355954	36.11 -1.08 0.00	31.27 -1.24 0.00	27.97 -1.04 0.00	26.55 -0.91 0.00	26.64 -0.97 0.00	26.87 -1.00 0.00	30.39 -1.67 0.00	31.40 -1.69 0.00	27.44 -0.70 0.00	25.89 -0.16 0.00	25.99 -0.16 0.00	28.11 -0.03 0.00	31.35 -0.06 0.00	33.56 0.27 0.00	35.79 0.25 0.00	42.43 0.04 0.00	54.08 -1.44 0.00	80.15 -1.45 -1.31	87.79 -0.08 -3.16	78.40 -2.70 -4.07	60.04 -2.49 -0.29	42.34 -2.21 0.60	37.96 -2.16 0.62	33.04 -1.40 0.62
SOUTHOLD_69_KV_BK 2 55809	39.77 1.86 -0.72	34.72 1.53 -0.68	30.75 1.28 -0.45	28.53 1.07 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	33.43 1.38 0.00	34.64 1.55 0.00	29.87 1.21 -0.51	27.42 1.38 0.00	28.26 2.12 0.00	30.61 2.48 0.00	34.43 3.02 0.00	36.73 3.43 -0.01	39.43 3.59 -0.30	46.12 3.73 -0.01	59.19 3.66 0.00	86.34 4.98 -1.08	91.20 5.17 -1.32	73.11 3.54 7.46	53.31 2.37 11.30	48.18 1.90 -1.14	43.87 2.32 -0.81	37.70 2.17 -0.46
SOUTHOLD___IC 23719	39.77 1.86 -0.72	34.69 1.50 -0.68	30.74 1.28 -0.45	28.53 1.07 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	34.99 0.99 -1.94	37.41 1.98 -2.34	29.81 1.15 -0.51	27.42 1.38 0.00	28.24 2.09 0.00	30.62 2.48 0.00	34.40 2.99 0.00	36.73 3.43 -0.01	39.43 3.59 -0.30	46.08 3.69 -0.01	59.19 3.66 0.00	86.26 4.90 -1.08	91.20 5.17 -1.32	73.34 3.77 7.46	53.25 2.30 11.30	48.14 1.85 -1.14	43.47 1.92 -0.81	37.63 2.10 -0.46
SOUTH_FORK_WT_PWR 323839	39.69 1.79 -0.72	34.62 1.43 -0.68	30.69 1.22 -0.45	28.50 1.04 0.00	28.64 0.97 -0.06	29.63 0.89 -0.86	35.02 1.03 -1.94	37.41 1.98 -2.34	29.84 1.18 -0.51	27.45 1.41 0.00	28.26 2.12 0.00	30.64 2.50 0.00	34.43 3.02 0.00	36.76 3.46 -0.01	39.47 3.63 -0.30	46.08 3.69 -0.01	59.19 3.66 0.00	86.18 4.82 -1.08	91.03 5.00 -1.32	73.11 3.55 7.46	53.06 2.12 11.30	47.96 1.67 -1.14	43.30 1.75 -0.81	37.52 2.00 -0.46
SPIERFLS_115KV_TB 1 80737	42.83 1.12 -4.52	37.77 0.98 -4.29	32.80 0.93 -2.86	28.39 0.93 0.00	28.98 0.97 -0.41	34.17 0.86 -5.42	33.02 0.96 0.00	33.88 0.79 0.00	31.77 0.42 -3.20	26.22 0.18 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.29 -0.13 0.00	33.13 -0.17 0.00	35.42 0.07 0.19	42.72 0.34 0.00	57.08 1.55 0.00	90.51 3.37 -6.86	107.86 4.07 -19.08	93.95 3.08 -13.85	68.80 2.18 -4.38	53.81 1.49 -7.17	47.28 1.43 -5.12	39.11 1.12 -2.92
ST LAWRENCE____ 23600	37.26 0.07 0.00	32.57 0.07 0.00	29.07 0.06 0.00	27.48 0.03 0.00	27.64 0.03 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.12 0.03 0.00	28.20 0.06 0.00	26.09 0.05 0.00	26.22 0.08 0.00	28.28 0.14 0.00	31.57 0.16 0.00	33.39 0.10 0.00	35.57 0.04 0.00	42.43 0.04 0.00	55.47 -0.06 0.00	79.72 -0.56 0.00	83.78 -0.93 0.00	76.72 -0.31 0.00	62.43 0.19 0.00	45.15 0.00 0.00	40.74 0.00 0.00	34.92 -0.14 0.00



STATE_CA_115KV_115_LB 55624	40.53 0.56 -2.78	35.64 0.49 -2.64	31.24 0.46 -1.76	27.87 0.41 0.00	28.30 0.44 -0.25	31.63 0.42 -3.34	32.73 0.67 0.00	33.74 0.66 0.00	30.37 0.25 -1.97	26.20 0.16 0.00	26.25 0.10 0.00	28.28 0.14 0.00	31.54 0.13 0.00	33.39 0.10 0.00	35.61 0.25 0.18	42.64 0.25 0.00	56.19 0.67 0.00	86.03 1.53 -4.22	98.15 1.69 -11.74	86.55 1.00 -8.52	65.63 0.68 -2.70	50.29 0.72 -4.41	44.66 0.77 -3.15	37.53 0.67 -1.80
STATE_ST_34_KV_LOAD 55959	37.08 -0.11 0.00	32.35 -0.16 0.00	28.84 -0.17 0.00	27.29 -0.16 0.00	27.47 -0.14 0.00	27.76 -0.11 0.00	31.86 -0.19 0.00	32.95 -0.13 0.00	28.09 -0.06 0.00	25.96 -0.08 0.00	25.99 -0.16 0.00	27.97 -0.17 0.00	31.26 -0.16 0.00	33.23 -0.07 0.00	35.50 -0.04 0.00	42.43 0.04 0.00	55.52 0.00 0.00	83.62 0.64 -2.70	92.66 1.44 -6.50	86.09 0.69 -8.37	65.58 0.37 -2.96	46.06 0.14 -0.78	41.01 -0.16 -0.44	35.10 -0.04 -0.07
STATION_5_MISC_HYD 23604	36.48 -0.71 0.00	31.73 -0.78 0.00	28.29 -0.72 0.00	26.85 -0.60 0.00	26.98 -0.63 0.00	27.29 -0.59 0.00	31.38 -0.67 0.00	32.36 -0.73 0.00	27.75 -0.39 0.00	25.76 -0.29 0.00	25.88 -0.26 0.00	27.74 -0.39 0.00	31.00 -0.41 0.00	33.03 -0.27 0.00	35.08 -0.46 0.00	41.92 -0.47 0.00	54.30 -1.22 0.00	80.13 -1.37 -1.21	87.22 -0.42 -2.92	79.87 -0.92 -3.77	60.74 -1.37 0.14	43.30 -0.95 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	36.63 -0.56 0.00	31.86 -0.65 0.00	28.41 -0.61 0.00	26.96 -0.49 0.00	27.11 -0.50 0.00	27.40 -0.47 0.00	31.35 -0.71 0.00	32.45 -0.63 0.00	27.81 -0.34 0.00	25.78 -0.26 0.00	25.81 -0.34 0.00	27.77 -0.37 0.00	31.01 -0.41 0.00	33.03 -0.27 0.00	35.18 -0.36 0.00	41.96 -0.42 0.00	54.64 -0.89 0.00	81.17 -0.72 -1.61	88.67 0.08 -3.87	81.09 -0.92 -4.99	62.07 -0.81 -0.63	43.93 -0.72 0.50	39.24 -0.94 0.56	33.89 -0.56 0.61
STA_56_34_KV_BUS2_REV_LBMP_B 345033	36.30 -0.89 0.00	31.53 -0.98 0.00	28.14 -0.87 0.00	26.74 -0.71 0.00	26.86 -0.75 0.00	27.15 -0.72 0.00	31.03 -1.03 0.00	32.09 -0.99 0.00	27.56 -0.59 0.00	25.63 -0.42 0.00	25.67 -0.47 0.00	27.60 -0.53 0.00	30.82 -0.60 0.00	32.86 -0.43 0.00	34.94 -0.60 0.00	41.66 -0.72 0.00	54.02 -1.50 0.00	79.84 -1.69 -1.25	86.79 -0.93 -3.01	78.97 -1.93 -3.87	60.62 -1.56 0.07	43.02 -1.26 0.87	38.55 -1.34 0.84	33.39 -0.88 0.79
STA_56___34_KV_BUS2 355983	36.30 -0.89 0.00	31.53 -0.98 0.00	28.14 -0.87 0.00	26.74 -0.71 0.00	26.86 -0.75 0.00	27.15 -0.72 0.00	31.03 -1.03 0.00	32.09 -0.99 0.00	27.56 -0.59 0.00	25.63 -0.42 0.00	25.67 -0.47 0.00	27.60 -0.53 0.00	30.82 -0.60 0.00	32.86 -0.43 0.00	34.94 -0.60 0.00	41.66 -0.72 0.00	54.02 -1.50 0.00	79.84 -1.69 -1.25	86.79 -0.93 -3.01	78.97 -1.93 -3.87	60.62 -1.56 0.07	43.02 -1.26 0.87	38.55 -1.34 0.84	33.39 -0.88 0.79
STA_67___115KV_BK2 355882	36.45 -0.74 0.00	31.63 -0.88 0.00	28.23 -0.78 0.00	26.82 -0.63 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	31.09 -0.96 0.00	32.16 -0.93 0.00	27.64 -0.51 0.00	25.70 -0.34 0.00	25.73 -0.42 0.00	27.69 -0.45 0.00	30.91 -0.50 0.00	32.96 -0.33 0.00	35.01 -0.53 0.00	41.75 -0.64 0.00	54.02 -1.50 0.00	79.80 -1.69 -1.21	86.78 -0.85 -2.92	78.85 -1.93 -3.75	60.55 -1.56 0.14	43.03 -1.22 0.90	38.61 -1.26 0.87	33.45 -0.81 0.81
STA_7___115KV_9TRANS 80674	36.63 -0.56 0.00	31.79 -0.72 0.00	28.38 -0.64 0.00	26.96 -0.49 0.00	27.06 -0.55 0.00	27.37 -0.50 0.00	31.28 -0.77 0.00	32.36 -0.73 0.00	27.81 -0.34 0.00	25.86 -0.18 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.19 -0.10 0.00	35.26 -0.28 0.00	42.05 -0.34 0.00	54.41 -1.11 0.00	80.37 -1.12 -1.21	87.47 -0.17 -2.92	79.40 -1.39 -3.77	61.11 -1.00 0.14	43.39 -0.86 0.90	38.86 -1.02 0.86	33.66 -0.60 0.81
STA_82___115KV_TB1 80780	36.45 -0.74 0.00	31.63 -0.88 0.00	28.26 -0.75 0.00	26.82 -0.63 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	31.12 -0.93 0.00	32.16 -0.93 0.00	27.64 -0.51 0.00	25.70 -0.34 0.00	25.73 -0.42 0.00	27.69 -0.45 0.00	30.91 -0.50 0.00	32.96 -0.33 0.00	35.04 -0.50 0.00	41.75 -0.64 0.00	54.02 -1.50 0.00	79.91 -1.61 -1.23	86.92 -0.76 -2.97	78.92 -1.93 -3.82	60.65 -1.49 0.10	43.05 -1.22 0.88	38.63 -1.26 0.85	33.49 -0.77 0.80
STEEL___WIND 323596	35.81 -1.38 0.00	30.98 -1.53 0.00	27.74 -1.28 0.00	26.33 -1.13 0.00	26.48 -1.13 0.00	26.73 -1.14 0.00	30.61 -1.44 0.00	31.46 -1.62 0.00	27.22 -0.93 0.00	25.39 -0.65 0.00	25.57 -0.58 0.00	27.38 -0.76 0.00	30.57 -0.85 0.00	32.59 -0.70 0.00	34.69 -0.85 0.00	41.15 -1.23 0.00	52.42 -3.11 0.00	77.38 -4.18 -1.28	84.84 -2.97 -3.09	77.15 -3.85 -3.98	58.32 -4.11 -0.19	41.64 -2.84 0.67	37.62 -2.44 0.67	32.93 -1.47 0.66
STEPHTWN_115KV_BK_2 55603	22.73 0.67 15.13	18.74 0.59 14.35	20.00 0.55 9.57	27.95 0.49 0.00	26.77 0.52 1.37	10.23 0.50 18.15	32.82 0.77 0.00	33.84 0.76 0.00	17.77 0.34 10.71	26.25 0.21 0.00	26.27 0.13 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.43 0.13 0.00	35.65 0.28 0.17	42.69 0.34 0.04	56.36 0.83 0.00	59.24 1.93 22.97	22.99 2.12 63.84	32.08 1.39 46.33	48.53 0.93 14.65	22.06 0.90 23.99	24.55 0.94 17.12	26.06 0.77 9.77
STEBEN_REC_LFGE 323667	36.74 -0.45 0.00	31.86 -0.65 0.00	28.43 -0.58 0.00	26.93 -0.52 0.00	27.11 -0.50 0.00	27.40 -0.47 0.00	31.16 -0.90 0.00	32.19 -0.89 0.00	27.70 -0.45 0.00	25.68 -0.36 0.00	25.67 -0.47 0.00	27.69 -0.45 0.00	30.85 -0.57 0.00	32.93 -0.37 0.00	35.15 -0.39 0.00	41.79 -0.59 0.00	54.02 -1.50 0.00	80.64 -1.20 -1.57	88.83 0.34 -3.78	80.12 -1.77 -4.87	61.53 -1.68 -0.96	43.38 -1.58 0.19	38.57 -1.87 0.29	33.44 -1.23 0.39
STILLWATER___SOLAR 323814	43.96 1.45 -5.32	38.79 1.23 -5.05	33.54 1.16 -3.36	28.56 1.10 0.00	29.22 1.13 -0.48	35.32 1.06 -6.38	47.58 1.19 -14.34	51.50 1.09 -17.32	32.67 0.76 -3.77	26.59 0.55 0.00	26.48 0.34 0.00	28.50 0.36 0.00	31.79 0.38 0.00	33.69 0.40 0.00	35.93 0.60 0.21	43.28 0.89 0.00	57.41 1.89 0.00	92.05 3.69 -8.07	111.48 4.32 -22.45	96.78 3.47 -16.29	69.89 2.49 -5.15	55.39 1.81 -8.44	48.47 1.71 -6.02	39.94 1.44 -3.44
STONY___BROOK 24151	39.40 1.49 -0.72	34.39 1.20 -0.68	30.46 0.99 -0.45	28.22 0.77 0.00	28.31 0.64 -0.06	29.30 0.56 -0.86	34.60 0.61 -1.94	36.75 1.32 -2.34	29.39 0.73 -0.51	27.01 0.96 0.00	27.69 1.54 0.00	30.05 1.91 0.00	33.74 2.32 0.00	35.93 2.63 -0.01	38.61 2.77 -0.30	44.89 2.50 -0.01	57.69 2.16 0.00	83.69 2.33 -1.08	88.54 2.54 -1.29	69.87 1.54 8.69	50.48 1.06 12.83	47.46 1.17 -1.14	43.02 1.46 -0.81	37.24 1.72 -0.46
STURGEON_POOL_HYD 23609	37.45 1.52 1.26	32.80 1.50 1.20	29.52 1.31 0.80	28.61 1.15 0.00	28.68 1.19 0.11	27.48 1.12 1.52	33.21 1.15 0.00	34.37 1.29 0.00	28.46 1.21 0.89	27.24 1.20 0.00	27.50 1.36 0.00	29.60 1.46 0.00	33.14 1.73 0.00	35.09 1.80 0.00	37.84 2.13 -0.17	44.57 2.42 0.23	58.47 2.94 0.00	83.45 5.14 1.97	84.89 5.51 5.33	77.24 4.08 3.87	64.07 3.05 1.22	45.40 2.26 2.00	41.51 2.20 1.43	36.17 1.93 0.82



ST_LAW_115_BK7_LBMP 345037	37.26 0.07 0.00	32.57 0.07 0.00	29.10 0.09 0.00	27.51 0.06 0.00	27.64 0.03 0.00	27.93 0.06 0.00	32.15 0.10 0.00	33.12 0.03 0.00	28.20 0.06 0.00	26.07 0.03 0.00	26.22 0.08 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.39 0.10 0.00	35.54 0.00 0.00	42.38 0.00 0.00	55.47 -0.06 0.00	79.72 -0.56 0.00	83.70 -1.01 0.00	76.79 -0.23 0.00	62.43 0.19 0.00	45.15 0.00 0.00	40.78 0.04 0.00	34.92 -0.14 0.00
ST_LAW_115_BK8_LBMP 345038	37.26 0.07 0.00	32.57 0.07 0.00	29.10 0.09 0.00	27.51 0.06 0.00	27.64 0.03 0.00	27.93 0.06 0.00	32.15 0.10 0.00	33.12 0.03 0.00	28.20 0.06 0.00	26.07 0.03 0.00	26.22 0.08 0.00	28.31 0.17 0.00	31.57 0.16 0.00	33.39 0.10 0.00	35.54 0.00 0.00	42.38 0.00 0.00	55.47 -0.06 0.00	79.72 -0.56 0.00	83.70 -1.01 0.00	76.79 -0.23 0.00	62.43 0.19 0.00	45.15 0.00 0.00	40.78 0.04 0.00	34.92 -0.14 0.00
ST_LAW_230_BK5_LBMP 345035	37.26 0.07 0.00	32.57 0.07 0.00	29.07 0.06 0.00	27.48 0.03 0.00	27.64 0.03 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.12 0.03 0.00	28.20 0.06 0.00	26.09 0.05 0.00	26.22 0.08 0.00	28.28 0.14 0.00	31.57 0.16 0.00	33.39 0.10 0.00	35.57 0.04 0.00	42.43 0.04 0.00	55.47 -0.06 0.00	79.72 -0.56 0.00	83.78 -0.93 0.00	76.72 -0.31 0.00	62.43 0.19 0.00	45.15 0.00 0.00	40.74 0.00 0.00	34.92 -0.14 0.00
ST_LAW_230_BK6_LBMP 345036	37.26 0.07 0.00	32.57 0.07 0.00	29.07 0.06 0.00	27.48 0.03 0.00	27.64 0.03 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.12 0.03 0.00	28.20 0.06 0.00	26.09 0.05 0.00	26.22 0.08 0.00	28.28 0.14 0.00	31.57 0.16 0.00	33.39 0.10 0.00	35.57 0.04 0.00	42.43 0.04 0.00	55.47 -0.06 0.00	79.72 -0.56 0.00	83.78 -0.93 0.00	76.72 -0.31 0.00	62.43 0.19 0.00	45.15 0.00 0.00	40.74 0.00 0.00	34.92 -0.14 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	39.00 1.19 -0.62	34.27 1.17 -0.59	30.45 1.04 -0.39	28.42 0.96 0.00	28.60 0.94 -0.06	29.48 0.86 -0.74	33.05 0.99 0.00	34.21 1.12 0.00	29.54 0.96 -0.44	27.08 1.04 0.00	27.27 1.12 0.00	29.40 1.27 0.00	32.86 1.45 0.00	34.86 1.56 0.00	37.54 1.74 -0.26	44.25 1.86 0.00	57.97 2.44 0.00	85.31 4.09 -0.94	91.73 4.41 -2.61	82.08 3.16 -1.90	65.15 2.30 -0.60	47.89 1.76 -0.98	43.23 1.79 -0.70	37.04 1.58 -0.40
SWANROAD_115KV_TB1 355699	35.59 -1.60 0.00	30.75 -1.76 0.00	27.56 -1.45 0.00	26.22 -1.24 0.00	26.34 -1.27 0.00	26.57 -1.31 0.00	30.00 -2.05 0.00	30.64 -2.45 0.00	26.57 -1.58 0.00	24.79 -1.25 0.00	24.76 -1.39 0.00	26.70 -1.44 0.00	29.65 -1.76 0.00	31.73 -1.56 0.00	33.69 -1.85 0.00	39.71 -2.67 0.00	50.36 -5.16 0.00	74.47 -7.06 -1.25	81.30 -6.44 -3.02	72.83 -8.09 -3.89	56.23 -6.10 -0.08	39.94 -4.47 0.74	36.18 -3.83 0.73	31.90 -2.45 0.71
SYNERGY___BIOGAS 323694	36.52 -0.67 0.00	31.60 -0.91 0.00	28.26 -0.75 0.00	26.88 -0.58 0.00	26.97 -0.64 0.00	27.26 -0.61 0.00	30.96 -1.09 0.00	31.86 -1.22 0.00	27.50 -0.65 0.00	25.63 -0.42 0.00	25.57 -0.58 0.00	27.55 -0.59 0.00	30.69 -0.72 0.00	32.83 -0.47 0.00	34.86 -0.68 0.00	41.32 -1.06 0.00	53.03 -2.50 0.00	78.56 -2.97 -1.25	85.95 -1.78 -3.01	77.43 -3.47 -3.88	59.59 -2.68 -0.02	42.24 -2.12 0.79	37.93 -2.04 0.77	33.17 -1.16 0.74
SYRACUSE___ENERGY_ST1 323597	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
SYRACUSE___ENERGY_ST2 323598	37.00 -0.19 0.00	32.28 -0.23 0.00	28.78 -0.23 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.80 -0.26 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.91 -0.13 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.30 -0.08 0.00	55.36 -0.17 0.00	83.45 0.16 -3.01	92.64 0.68 -7.25	86.51 0.15 -9.33	65.55 0.00 -3.30	45.97 -0.05 -0.87	40.98 -0.24 -0.49	35.00 -0.14 -0.08
SYRACUSE___POWER 24017	37.00 -0.19 0.00	32.28 -0.23 0.00	28.81 -0.20 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.89 -0.16 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.26 -0.13 0.00	55.36 -0.17 0.00	82.89 0.24 -2.37	91.09 0.68 -5.70	84.60 0.23 -7.34	64.46 0.06 -2.15	45.41 -0.05 -0.31	40.56 -0.24 -0.06	34.73 -0.14 0.19
TALLMAN__138KV_BK151 55660	39.19 1.34 -0.66	34.50 1.37 -0.63	30.59 1.16 -0.42	28.53 1.07 0.00	28.72 1.05 -0.06	29.67 1.00 -0.79	33.21 1.15 0.00	34.37 1.29 0.00	29.74 1.13 -0.47	27.27 1.22 0.00	27.50 1.36 0.00	29.63 1.49 0.00	33.14 1.73 0.00	35.12 1.83 0.00	37.88 2.06 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.78 4.50 -1.00	92.42 4.91 -2.79	82.59 3.54 -2.03	65.50 2.61 -0.64	48.18 1.99 -1.05	43.52 2.04 -0.75	37.31 1.82 -0.43
TEALLAVE_115KV_TB7 355573	36.85 -0.33 0.00	32.15 -0.36 0.00	28.70 -0.32 0.00	27.15 -0.30 0.00	27.33 -0.28 0.00	27.60 -0.28 0.00	31.70 -0.35 0.00	32.75 -0.33 0.00	27.89 -0.25 0.00	25.81 -0.23 0.00	25.88 -0.26 0.00	27.83 -0.31 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.26 -0.28 0.00	42.09 -0.30 0.00	55.08 -0.44 0.00	82.21 -0.24 -2.17	90.11 0.17 -5.23	83.44 -0.31 -6.73	63.67 -0.37 -1.80	44.96 -0.32 -0.13	40.18 -0.49 0.07	34.50 -0.28 0.28
TELGRAPH_34_KV_EAST 80808	36.07 -1.12 0.00	31.21 -1.30 0.00	27.91 -1.10 0.00	26.58 -0.88 0.00	26.67 -0.94 0.00	26.93 -0.95 0.00	30.48 -1.57 0.00	31.30 -1.79 0.00	27.11 -1.04 0.00	25.31 -0.73 0.00	25.28 -0.86 0.00	27.24 -0.90 0.00	30.31 -1.10 0.00	32.43 -0.87 0.00	34.44 -1.10 0.00	40.69 -1.70 0.00	51.91 -3.61 0.00	76.80 -4.74 -1.25	84.00 -3.73 -3.02	75.44 -5.47 -3.89	58.12 -4.17 -0.05	41.27 -3.12 0.76	37.17 -2.81 0.75	32.62 -1.72 0.73
TEMPLE___115KV_TB 2 55572	36.85 -0.33 0.00	32.15 -0.36 0.00	28.70 -0.32 0.00	27.15 -0.30 0.00	27.33 -0.28 0.00	27.63 -0.25 0.00	31.70 -0.35 0.00	32.75 -0.33 0.00	27.92 -0.23 0.00	25.83 -0.21 0.00	25.88 -0.26 0.00	27.86 -0.28 0.00	31.10 -0.31 0.00	33.03 -0.27 0.00	35.29 -0.25 0.00	42.09 -0.30 0.00	55.08 -0.44 0.00	82.21 -0.24 -2.17	90.21 0.25 -5.24	83.46 -0.31 -6.74	63.73 -0.31 -1.79	44.96 -0.32 -0.12	40.21 -0.45 0.08	34.53 -0.25 0.28
TIANA____69_KV_BK 1 55817	39.32 1.41 -0.72	34.33 1.14 -0.68	30.37 0.90 -0.45	28.14 0.69 0.00	28.25 0.58 -0.06	29.21 0.47 -0.86	32.98 0.93 0.00	34.11 1.03 0.00	29.39 0.73 -0.51	26.98 0.94 0.00	27.74 1.59 0.00	30.05 1.91 0.00	33.77 2.36 0.00	35.96 2.66 -0.01	38.61 2.77 -0.30	45.11 2.71 -0.01	57.91 2.39 0.00	84.49 3.13 -1.08	89.33 3.30 -1.32	71.64 2.08 7.46	52.32 1.37 11.30	47.51 1.22 -1.14	43.39 1.83 -0.81	37.25 1.72 -0.46



TILDEN___115KV_TB1 80814	37.00 -0.19 0.00	32.28 -0.23 0.00	28.81 -0.20 0.00	27.26 -0.19 0.00	27.42 -0.19 0.00	27.71 -0.17 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.01 -0.14 0.00	25.89 -0.16 0.00	25.96 -0.18 0.00	27.91 -0.23 0.00	31.19 -0.22 0.00	33.13 -0.17 0.00	35.40 -0.14 0.00	42.26 -0.13 0.00	55.36 -0.17 0.00	82.89 0.24 -2.37	91.09 0.68 -5.70	84.60 0.23 -7.34	64.46 0.06 -2.15	45.41 -0.05 -0.31	40.56 -0.24 -0.06	34.73 -0.14 0.19
TRIGEN___CC 323695	39.32 1.41 -0.72	34.49 1.30 -0.68	30.57 1.10 -0.45	28.36 0.91 0.00	28.50 0.83 -0.06	29.49 0.75 -0.86	33.05 0.99 0.00	34.17 1.09 0.00	29.59 0.93 -0.51	27.14 1.09 0.00	27.71 1.57 0.00	30.00 1.86 0.00	33.61 2.20 0.00	35.57 2.26 -0.02	38.30 2.45 -0.31	44.90 2.50 -0.02	58.19 2.67 0.00	85.38 4.01 -1.08	91.69 4.32 -2.66	82.22 3.00 -2.19	65.18 2.24 -0.69	48.00 1.72 -1.14	43.55 2.00 -0.81	37.42 1.89 -0.46
TRINITY___115KV___4 BK 55933	35.54 0.48 2.13	30.91 0.42 2.03	28.07 0.41 1.35	27.81 0.36 0.00	27.80 0.39 0.19	25.68 0.36 2.56	32.66 0.61 0.00	33.71 0.63 0.00	26.89 0.25 1.51	26.20 0.16 0.00	26.25 0.10 0.00	28.25 0.11 0.00	31.54 0.13 0.00	33.36 0.07 0.00	35.58 0.21 0.18	42.60 0.21 0.00	56.02 0.50 0.00	78.33 1.28 3.24	77.06 1.36 9.01	71.26 0.77 6.54	60.68 0.50 2.07	42.40 0.63 3.38	39.02 0.69 2.42	34.28 0.60 1.38
UNION___PROCESSING_DRP 323587	36.45 -0.74 0.00	31.66 -0.85 0.00	28.26 -0.75 0.00	26.82 -0.63 0.00	26.95 -0.66 0.00	27.26 -0.61 0.00	31.12 -0.93 0.00	32.16 -0.93 0.00	27.67 -0.48 0.00	25.70 -0.34 0.00	25.75 -0.39 0.00	27.69 -0.45 0.00	30.91 -0.50 0.00	32.96 -0.33 0.00	35.04 -0.50 0.00	41.75 -0.64 0.00	54.08 -1.44 0.00	79.91 -1.61 -1.24	86.94 -0.76 -2.98	79.02 -1.85 -3.84	60.67 -1.49 0.09	43.06 -1.22 0.87	38.63 -1.26 0.84	33.50 -0.77 0.79
UPPER HUDSON___HYD 24058	42.83 1.11 -4.52	37.77 0.97 -4.29	32.80 0.93 -2.86	28.39 0.93 0.00	28.98 0.97 -0.41	34.14 0.84 -5.42	45.14 0.90 -12.19	48.54 0.73 -14.73	31.74 0.39 -3.20	26.23 0.18 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.29 -0.13 0.00	33.13 -0.17 0.00	35.42 0.07 0.19	42.68 0.30 0.00	57.02 1.50 0.00	90.51 3.37 -6.86	107.86 4.07 -19.08	94.11 3.23 -13.85	68.80 2.18 -4.38	53.77 1.44 -7.17	47.24 1.39 -5.12	39.11 1.12 -2.92
UPPER RAQUET___HYD 24056	37.82 0.63 0.00	33.09 0.59 0.00	29.54 0.52 0.00	27.89 0.44 0.00	28.02 0.41 0.00	28.35 0.47 0.00	32.63 0.58 0.00	33.58 0.50 0.00	28.49 0.34 0.00	26.28 0.23 0.00	26.46 0.31 0.00	28.62 0.48 0.00	31.92 0.50 0.00	33.72 0.43 0.00	35.75 0.21 0.00	42.72 0.34 0.00	55.86 0.34 0.00	81.33 0.57 -0.48	86.30 0.43 -1.16	79.75 1.23 -1.50	64.09 1.31 -0.53	46.19 0.90 -0.14	41.51 0.69 -0.08	35.35 0.28 -0.01
VALLEY44_115KV_TB2 355964	35.29 -1.90 0.00	30.69 -1.82 0.00	27.45 -1.57 0.00	26.06 -1.40 0.00	26.20 -1.41 0.00	26.43 -1.45 0.00	29.91 -2.15 0.00	30.87 -2.22 0.00	26.91 -1.24 0.00	25.24 -0.81 0.00	25.28 -0.86 0.00	27.24 -0.90 0.00	30.28 -1.13 0.00	32.33 -0.97 0.00	34.51 -1.03 0.00	40.82 -1.57 0.00	52.19 -3.33 0.00	77.51 -4.09 -1.32	85.02 -2.88 -3.19	76.28 -4.85 -4.11	58.59 -3.98 -0.33	41.51 -3.07 0.57	37.29 -2.85 0.60	32.49 -1.96 0.61
VALLEY___115KV_TB 1-4 80826	37.26 0.07 0.00	32.57 0.07 0.00	29.07 0.06 0.00	27.48 0.03 0.00	27.64 0.03 0.00	27.90 0.03 0.00	32.09 0.03 0.00	33.12 0.03 0.00	28.15 0.00 0.00	25.96 -0.08 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.38 -0.03 0.00	33.23 -0.07 0.00	35.47 -0.07 0.00	42.38 0.00 0.00	55.63 0.11 0.00	80.92 0.64 0.00	85.48 0.76 0.00	77.49 0.46 0.00	62.43 0.19 0.00	45.28 0.14 0.00	40.82 0.08 0.00	35.10 0.04 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	38.45 1.26 0.00	33.68 1.17 0.00	30.09 1.07 0.00	28.47 1.02 0.00	28.63 1.02 0.00	28.82 0.95 0.00	33.14 1.09 0.00	34.21 1.12 0.00	29.08 0.93 0.00	26.80 0.76 0.00	26.93 0.78 0.00	28.98 0.84 0.00	32.45 1.04 0.00	34.32 1.03 0.00	36.70 1.10 -0.05	43.83 1.44 0.00	57.52 2.00 0.00	85.02 3.93 -0.81	91.15 4.49 -1.94	82.91 3.39 -2.50	65.75 2.61 -0.88	47.28 1.90 -0.23	42.50 1.63 -0.13	36.45 1.37 -0.02
VISCHER___FERRY HYD 24020	46.35 1.23 -7.93	41.11 1.07 -7.53	35.02 0.99 -5.02	28.39 0.93 0.00	29.29 0.97 -0.72	38.31 0.92 -9.52	54.49 1.06 -21.38	59.98 1.06 -25.84	34.55 0.79 -5.62	26.69 0.65 0.00	26.69 0.55 0.00	28.73 0.59 0.00	32.04 0.63 0.00	33.92 0.63 0.00	36.06 0.78 0.26	43.36 0.98 0.00	57.19 1.66 0.00	95.45 3.13 -12.04	121.66 3.47 -33.48	104.01 2.69 -24.29	71.86 1.93 -7.68	59.27 1.54 -12.58	51.18 1.46 -8.98	41.49 1.30 -5.13
V_A_10_SYNC_DSASP 323832	35.59 -1.60 0.00	30.82 -1.69 0.00	27.59 -1.42 0.00	26.25 -1.21 0.00	26.37 -1.24 0.00	26.59 -1.28 0.00	30.13 -1.92 0.00	31.03 -2.05 0.00	26.97 -1.18 0.00	25.18 -0.86 0.00	25.18 -0.97 0.00	27.13 -1.01 0.00	30.16 -1.26 0.00	32.19 -1.10 0.00	34.22 -1.31 0.00	40.43 -1.95 0.00	51.58 -3.94 0.00	76.18 -5.30 -1.20	83.11 -4.49 -2.89	74.66 -6.08 -3.72	57.64 -4.54 0.07	40.93 -3.39 0.83	37.00 -2.93 0.80	32.55 -1.75 0.76
V_CMM_10_SYNC_DSASP 323787	37.41 0.22 0.00	32.70 0.20 0.00	29.19 0.17 0.00	27.62 0.16 0.00	27.75 0.14 0.00	28.07 0.20 0.00	32.28 0.22 0.00	33.22 0.13 0.00	28.29 0.14 0.00	26.17 0.13 0.00	26.33 0.18 0.00	28.42 0.28 0.00	31.70 0.28 0.00	33.53 0.23 0.00	35.65 0.11 0.00	42.55 0.17 0.00	55.69 0.17 0.00	80.12 -0.16 0.00	84.29 -0.42 0.00	77.49 0.46 0.00	62.74 0.50 0.00	45.37 0.23 0.00	40.94 0.20 0.00	35.06 0.00 0.00
V_CMP_10_SYNC_DSASP 323788	38.57 1.38 0.00	33.68 1.17 0.00	30.06 1.04 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.91 1.03 0.00	33.27 1.22 0.00	34.24 1.16 0.00	29.19 1.04 0.00	27.06 1.01 0.00	27.29 1.15 0.00	29.60 1.46 0.00	32.95 1.54 0.00	34.82 1.53 0.00	36.86 1.32 0.00	43.28 0.89 0.00	54.86 -0.66 0.00	78.75 -1.53 0.00	82.85 -1.86 0.00	76.25 -0.77 0.00	61.88 -0.37 0.00	45.38 0.23 0.00	42.08 1.34 0.00	35.45 0.39 0.00
V_D_10_SYNC_DSASP 323841	37.60 0.41 0.00	32.87 0.36 0.00	29.36 0.35 0.00	27.76 0.30 0.00	27.89 0.28 0.00	28.21 0.34 0.00	32.44 0.39 0.00	33.41 0.33 0.00	28.40 0.25 0.00	26.28 0.23 0.00	26.43 0.29 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.66 0.37 0.00	35.75 0.21 0.00	42.68 0.30 0.00	55.92 0.39 0.00	80.52 0.24 0.00	84.63 -0.08 0.00	77.72 0.69 0.00	63.24 0.99 0.00	45.69 0.54 0.00	41.19 0.45 0.00	35.24 0.18 0.00
V_E_10_SYNC_DSASP 323830	39.05 1.86 0.00	34.13 1.62 0.00	30.47 1.45 0.00	28.75 1.29 0.00	28.94 1.33 0.00	29.24 1.37 0.00	33.62 1.57 0.00	34.87 1.79 0.00	29.36 1.21 0.00	26.72 0.68 0.00	26.75 0.60 0.00	28.79 0.65 0.00	32.33 0.91 0.00	34.19 0.90 0.00	36.51 0.92 -0.04	44.04 1.65 0.00	58.08 2.56 0.00	87.85 6.02 -1.54	96.22 7.79 -3.71	88.35 6.54 -4.78	68.42 4.48 -1.69	48.53 2.93 -0.45	43.02 2.04 -0.25	36.64 1.54 -0.04



V_F_30_NSYNC___DSASP 323816	43.60 1.45 -4.96	38.48 1.27 -4.71	33.34 1.19 -3.14	28.58 1.13 0.00	29.22 1.16 -0.45	34.91 1.09 -5.95	46.65 1.22 -13.38	50.37 1.13 -16.16	32.42 0.76 -3.51	26.61 0.57 0.00	26.54 0.39 0.00	28.56 0.42 0.00	31.82 0.41 0.00	33.72 0.43 0.00	36.01 0.67 0.20	43.32 0.93 0.00	57.47 1.94 0.00	91.59 3.77 -7.53	110.06 4.40 -20.94	95.77 3.55 -15.20	69.61 2.55 -4.81	54.87 1.85 -7.87	48.11 1.75 -5.62	39.74 1.47 -3.21
V_F_30_SYNC_DSASP 323786	40.13 0.56 -2.38	35.25 0.49 -2.26	30.98 0.46 -1.50	27.87 0.41 0.00	28.27 0.44 -0.21	31.15 0.42 -2.85	32.73 0.67 0.00	33.74 0.66 0.00	30.09 0.25 -1.68	26.20 0.16 0.00	26.25 0.10 0.00	28.28 0.14 0.00	31.54 0.13 0.00	33.39 0.10 0.00	35.61 0.25 0.18	42.64 0.25 0.00	56.19 0.67 0.00	85.41 1.53 -3.61	96.44 1.69 -10.03	85.31 1.00 -7.28	65.23 0.68 -2.30	49.64 0.72 -3.77	44.20 0.77 -2.69	37.27 0.67 -1.54
V_XM_10_SYNC_DSASP 323789	38.57 1.38 0.00	33.68 1.17 0.00	30.06 1.04 0.00	28.42 0.96 0.00	28.52 0.91 0.00	28.91 1.03 0.00	33.27 1.22 0.00	34.24 1.16 0.00	29.19 1.04 0.00	27.06 1.01 0.00	27.29 1.15 0.00	29.60 1.46 0.00	32.95 1.54 0.00	34.82 1.53 0.00	36.86 1.32 0.00	43.28 0.89 0.00	54.86 -0.66 0.00	78.75 -1.53 0.00	82.85 -1.86 0.00	76.25 -0.77 0.00	61.88 -0.37 0.00	45.38 0.23 0.00	42.08 1.34 0.00	35.45 0.39 0.00
W.BABYLN_69_KV_BK1 56697	39.81 1.90 -0.72	34.78 1.59 -0.68	30.80 1.33 -0.45	28.55 1.10 0.00	28.67 0.99 -0.06	29.63 0.89 -0.86	33.27 1.22 0.00	34.41 1.32 0.00	29.73 1.07 -0.51	27.29 1.25 0.00	27.98 1.83 0.00	30.33 2.19 0.00	34.05 2.64 0.00	36.20 2.90 -0.01	38.97 3.13 -0.30	45.57 3.18 -0.01	58.85 3.33 0.00	85.78 4.42 -1.08	90.92 4.49 -1.72	81.87 3.47 -1.38	64.61 2.68 0.31	48.41 2.12 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	39.39 1.52 -0.67	34.64 1.50 -0.64	30.75 1.31 -0.43	28.64 1.18 0.00	28.83 1.16 -0.06	29.80 1.12 -0.81	33.34 1.28 0.00	34.51 1.42 0.00	29.84 1.21 -0.48	27.37 1.33 0.00	27.58 1.44 0.00	29.74 1.60 0.00	33.27 1.85 0.00	35.26 1.96 0.00	38.02 2.20 -0.28	44.76 2.37 0.00	58.58 3.05 0.00	86.28 4.98 -1.02	92.98 5.42 -2.85	83.09 4.01 -2.07	65.83 2.93 -0.65	48.43 2.21 -1.07	43.70 2.20 -0.76	37.46 1.96 -0.44
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	39.69 1.79 -0.72	34.91 1.72 -0.68	30.95 1.48 -0.45	28.83 1.37 0.00	29.03 1.35 -0.06	30.05 1.31 -0.86	33.56 1.51 0.00	34.77 1.69 0.00	30.12 1.46 -0.51	27.63 1.59 0.00	27.90 1.75 0.00	30.11 1.97 0.00	33.68 2.26 0.00	35.69 2.40 0.00	38.43 2.59 -0.29	45.10 2.71 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.54 4.31 -2.20	66.12 3.17 -0.70	48.64 2.35 -1.14	44.00 2.44 -0.81	37.77 2.24 -0.46
W50THST__13_KV_LOAD 356117	39.84 1.93 -0.72	35.04 1.85 -0.68	31.07 1.60 -0.45	28.91 1.46 0.00	29.11 1.44 -0.06	30.13 1.39 -0.86	33.69 1.63 0.00	34.90 1.82 0.00	30.26 1.60 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.83 2.42 0.00	35.82 2.53 0.00	38.60 2.77 -0.29	45.31 2.92 0.00	59.19 3.66 0.00	87.07 5.70 -1.09	93.93 6.18 -3.03	83.85 4.62 -2.20	66.43 3.49 -0.70	48.82 2.53 -1.14	44.16 2.61 -0.81	37.88 2.35 -0.46
WADING RIVER_IC_1 23522	38.95 1.04 -0.72	34.00 0.81 -0.68	30.11 0.64 -0.45	27.89 0.44 0.00	28.01 0.33 -0.06	28.96 0.22 -0.86	34.22 0.23 -1.94	36.58 1.16 -2.34	29.08 0.42 -0.51	26.72 0.68 0.00	27.40 1.25 0.00	29.71 1.57 0.00	33.36 1.95 0.00	35.53 2.23 -0.01	38.15 2.31 -0.30	44.43 2.03 -0.01	57.13 1.61 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.69 1.16 7.49	51.47 0.56 11.33	46.92 0.63 -1.14	42.57 1.02 -0.81	36.83 1.30 -0.46
WADING RIVER_IC_2 23547	38.95 1.04 -0.72	34.00 0.81 -0.68	30.11 0.64 -0.45	27.89 0.44 0.00	28.01 0.33 -0.06	28.96 0.22 -0.86	34.22 0.23 -1.94	36.58 1.16 -2.34	29.08 0.42 -0.51	26.72 0.68 0.00	27.40 1.25 0.00	29.71 1.57 0.00	33.36 1.95 0.00	35.53 2.23 -0.01	38.15 2.31 -0.30	44.43 2.03 -0.01	57.13 1.61 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.69 1.16 7.49	51.47 0.56 11.33	46.92 0.63 -1.14	42.57 1.02 -0.81	36.83 1.30 -0.46
WADING RIVER_IC_3 23601	38.95 1.04 -0.72	34.00 0.81 -0.68	30.11 0.64 -0.45	27.89 0.44 0.00	28.01 0.33 -0.06	28.96 0.22 -0.86	34.22 0.23 -1.94	36.58 1.16 -2.34	29.08 0.42 -0.51	26.72 0.68 0.00	27.40 1.25 0.00	29.71 1.57 0.00	33.36 1.95 0.00	35.53 2.23 -0.01	38.15 2.31 -0.30	44.43 2.03 -0.01	57.13 1.61 0.00	83.21 1.85 -1.08	88.15 2.12 -1.31	70.69 1.16 7.49	51.47 0.56 11.33	46.92 0.63 -1.14	42.57 1.02 -0.81	36.83 1.30 -0.46
WALDENNY_12_KV_BK2 80841	35.89 -1.30 0.00	31.05 -1.46 0.00	27.80 -1.22 0.00	26.41 -1.04 0.00	26.53 -1.08 0.00	26.76 -1.12 0.00	30.26 -1.80 0.00	31.13 -1.95 0.00	27.11 -1.04 0.00	25.39 -0.65 0.00	25.39 -0.76 0.00	27.38 -0.76 0.00	30.47 -0.94 0.00	32.63 -0.67 0.00	34.72 -0.82 0.00	41.03 -1.36 0.00	52.19 -3.33 0.00	77.14 -4.42 -1.28	84.41 -3.39 -3.08	75.60 -5.39 -3.97	58.25 -4.17 0.67	41.32 -3.16 0.68	37.29 -2.77 0.68	32.71 -1.68 0.67
WALDEN__HYDRO 24148	39.02 1.34 -0.50	34.31 1.33 -0.47	30.49 1.16 -0.31	28.53 1.07 0.00	28.70 1.05 -0.04	29.45 0.98 -0.60	33.18 1.12 0.00	34.31 1.22 0.00	29.54 1.04 -0.35	27.16 1.12 0.00	27.35 1.20 0.00	29.43 1.29 0.00	32.92 1.51 0.00	34.92 1.63 0.00	37.63 1.85 -0.25	44.42 2.03 0.00	58.24 2.72 0.00	85.61 4.58 -0.75	91.81 5.00 -2.09	82.16 3.62 -1.52	65.40 2.68 -0.48	47.97 2.03 -0.79	43.30 2.00 -0.56	37.14 1.75 -0.32
WARRENSBURG____ 23737	42.83 1.12 -4.52	37.77 0.98 -4.29	32.80 0.93 -2.86	28.39 0.93 0.00	28.98 0.97 -0.41	34.17 0.86 -5.42	33.02 0.96 0.00	33.88 0.79 0.00	31.77 0.42 -3.20	26.22 0.18 0.00	26.07 -0.08 0.00	28.08 -0.06 0.00	31.29 -0.13 0.00	33.13 -0.17 0.00	35.42 0.07 0.19	42.72 0.34 0.00	57.08 1.55 0.00	90.51 3.37 -6.86	107.86 4.07 -19.08	93.95 3.08 -13.85	68.80 2.18 -4.38	53.81 1.49 -7.17	47.28 1.43 -5.12	39.11 1.12 -2.92
WATERSIDE____6 8 9 23538	39.89 1.97 -0.73	35.08 1.89 -0.69	31.13 1.65 -0.46	28.97 1.51 -0.01	29.17 1.49 -0.07	30.17 1.42 -0.87	33.66 1.60 0.00	34.87 1.79 0.00	30.23 1.58 -0.51	27.74 1.69 0.00	28.00 1.86 0.00	30.22 2.08 0.00	33.84 2.42 -0.01	35.86 2.56 -0.01	38.57 2.74 -0.29	45.14 2.75 0.00	58.91 3.39 0.00	86.67 5.30 -1.09	93.51 5.76 -3.03	83.46 4.24 -2.20	66.12 3.17 -0.70	48.59 2.30 -1.14	44.16 2.61 -0.81	37.95 2.42 -0.47
WATKINRD_115KV_LN8_ILLION 55919	37.23 0.04 0.00	32.57 0.07 0.00	29.07 0.06 0.00	27.48 0.03 0.00	27.64 0.03 0.00	27.90 0.03 0.00	32.09 0.03 0.00	33.12 0.03 0.00	28.15 0.00 0.00	25.99 -0.05 0.00	26.09 -0.05 0.00	28.08 -0.06 0.00	31.38 -0.03 0.00	33.26 -0.03 0.00	35.50 -0.04 0.00	42.43 0.04 0.00	55.63 0.11 0.00	80.84 0.56 0.00	85.39 0.68 0.00	77.41 0.39 0.00	62.43 0.19 0.00	45.28 0.14 0.00	40.82 0.08 0.00	35.10 0.04 0.00



WDELAWARE___HYD 323627	38.53 1.34 0.00	33.81 1.30 0.00	30.15 1.13 0.00	28.53 1.07 0.00	28.66 1.05 0.00	28.82 0.95 0.00	33.11 1.06 0.00	34.31 1.22 0.00	29.11 0.96 0.00	27.06 1.01 0.00	27.16 1.02 0.00	29.26 1.13 0.00	32.76 1.35 0.00	34.79 1.50 0.00	37.49 1.74 -0.21	44.29 1.99 0.08	58.30 2.78 0.00	85.24 4.98 0.02	90.22 5.50 0.00	81.26 4.23 0.00	65.23 2.99 0.00	47.32 2.17 0.00	42.69 1.96 0.00	36.75 1.68 0.00
WEST BABYLON___IC 23714	39.81 1.90 -0.72	34.78 1.59 -0.68	30.80 1.33 -0.45	28.55 1.10 0.00	28.67 0.99 -0.06	29.63 0.89 -0.86	33.27 1.22 0.00	34.41 1.32 0.00	29.73 1.07 -0.51	27.29 1.25 0.00	27.98 1.83 0.00	30.33 2.19 0.00	34.05 2.64 0.00	36.20 2.90 -0.01	38.97 3.13 -0.30	45.57 3.18 -0.01	58.85 3.33 0.00	85.78 4.42 -1.08	90.92 4.49 -1.72	81.87 3.47 -1.38	64.61 2.68 0.31	48.41 2.12 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
WEST CANADA___HYD 24049	37.26 0.07 0.00	32.61 0.10 0.00	29.10 0.09 0.00	27.54 0.08 0.00	27.69 0.08 0.00	27.93 0.06 0.00	32.12 0.06 0.00	33.15 0.07 0.00	28.18 0.03 0.00	26.07 0.03 0.00	26.17 0.03 0.00	28.17 0.03 0.00	31.45 0.03 0.00	33.33 0.03 0.00	35.61 0.07 0.00	42.47 0.08 0.00	55.69 0.17 0.00	80.76 0.48 0.00	85.31 0.60 0.00	77.41 0.39 0.00	62.37 0.12 0.00	45.28 0.14 0.00	40.86 0.12 0.00	35.17 0.11 0.00
WESTERN_NY_WIND 24143	36.48 -0.71 0.00	31.57 -0.94 0.00	28.23 -0.78 0.00	26.85 -0.60 0.00	26.95 -0.66 0.00	27.24 -0.64 0.00	30.90 -1.15 0.00	31.79 -1.29 0.00	27.47 -0.68 0.00	25.60 -0.44 0.00	25.54 -0.60 0.00	27.52 -0.62 0.00	30.63 -0.79 0.00	32.79 -0.50 0.00	34.79 -0.75 0.00	41.28 -1.10 0.00	52.86 -2.67 0.00	78.40 -3.13 -1.25	85.78 -1.95 -3.01	77.21 -3.70 -3.88	59.41 -2.86 -0.03	42.16 -2.21 0.78	37.86 -2.12 0.76	33.10 -1.23 0.73
WESTOVER___LESR 323668	37.12 -0.07 0.00	32.41 -0.10 0.00	28.93 -0.09 0.00	27.40 -0.05 0.00	27.55 -0.06 0.00	27.79 -0.08 0.00	31.83 -0.22 0.00	32.88 -0.20 0.00	28.12 -0.03 0.00	26.07 0.03 0.00	26.14 0.00 0.00	28.14 0.00 0.00	31.38 -0.03 0.00	33.33 0.03 0.00	35.69 0.11 -0.05	42.47 0.08 0.00	55.41 -0.11 0.00	82.22 0.40 -1.54	89.44 1.02 -3.71	81.88 0.08 -4.78	63.52 -0.06 -1.33	45.20 -0.09 -0.14	40.53 -0.20 0.01	34.86 -0.04 0.17
WETHRSFD_WT_PWR 323626	36.04 -1.15 0.00	31.24 -1.27 0.00	27.91 -1.10 0.00	26.44 -1.02 0.00	26.62 -0.99 0.00	26.87 -1.00 0.00	30.77 -1.28 0.00	31.63 -1.45 0.00	27.19 -0.96 0.00	25.21 -0.83 0.00	25.36 -0.78 0.00	27.18 -0.96 0.00	30.35 -1.07 0.00	32.36 -0.93 0.00	34.47 -1.07 0.00	40.90 -1.48 0.00	52.47 -3.05 0.00	77.96 -3.69 -1.37	85.73 -2.28 -3.30	78.04 -3.23 -4.25	59.15 -3.55 -0.45	42.08 -2.57 0.49	37.80 -2.40 0.54	32.96 -1.54 0.56
WHAVSTOR_138KV_BK127 55557	39.21 1.34 -0.68	34.52 1.37 -0.64	30.60 1.16 -0.43	28.53 1.07 0.00	28.72 1.05 -0.06	29.69 1.00 -0.81	33.21 1.15 0.00	34.37 1.29 0.00	29.75 1.13 -0.48	27.27 1.22 0.00	27.50 1.36 0.00	29.66 1.52 0.00	33.14 1.73 0.00	35.12 1.83 0.00	37.88 2.06 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.72 4.42 -1.03	92.40 4.83 -2.86	82.56 3.47 -2.07	65.45 2.55 -0.66	48.16 1.94 -1.07	43.50 2.00 -0.77	37.29 1.79 -0.44
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	39.21 1.34 -0.68	34.52 1.37 -0.64	30.60 1.16 -0.43	28.53 1.07 0.00	28.72 1.05 -0.06	29.69 1.00 -0.81	33.21 1.15 0.00	34.37 1.29 0.00	29.75 1.13 -0.48	27.27 1.22 0.00	27.50 1.36 0.00	29.66 1.52 0.00	33.14 1.73 0.00	35.12 1.83 0.00	37.88 2.06 -0.28	44.55 2.16 0.00	58.30 2.78 0.00	85.72 4.42 -1.03	92.40 4.83 -2.86	82.56 3.47 -2.07	65.45 2.55 -0.66	48.16 1.94 -1.07	43.50 2.00 -0.77	37.29 1.79 -0.44
WHITEHAL_115KV_TB1 80871	43.68 1.79 -4.70	38.50 1.53 -4.46	33.41 1.42 -2.98	28.86 1.40 0.00	29.47 1.44 -0.43	34.86 1.34 -5.64	33.53 1.47 0.00	34.41 1.32 0.00	32.21 0.73 -3.33	26.46 0.42 0.00	26.25 0.10 0.00	28.28 0.14 0.00	31.48 0.06 0.00	33.36 0.07 0.00	35.74 0.39 0.20	43.19 0.81 0.00	57.97 2.44 0.00	92.48 5.06 -7.14	110.58 6.01 -19.85	96.21 4.78 -14.41	70.29 3.49 -4.56	54.96 2.35 -7.46	48.22 2.16 -5.33	39.82 1.72 -3.04
WHITEPLN_13_KV_LOAD 356215	39.77 1.86 -0.72	34.98 1.79 -0.68	31.04 1.57 -0.45	28.88 1.43 0.00	29.08 1.41 -0.06	30.08 1.34 -0.86	33.62 1.57 0.00	34.80 1.72 0.00	30.20 1.55 -0.51	27.68 1.64 0.00	27.98 1.83 0.00	30.14 2.00 0.00	33.71 2.29 0.00	35.76 2.46 0.00	38.53 2.70 -0.29	45.27 2.88 0.00	59.30 3.78 0.00	87.31 5.94 -1.09	94.10 6.35 -3.03	84.07 4.85 -2.20	66.55 3.61 -0.69	48.86 2.57 -1.14	44.12 2.57 -0.81	37.84 2.31 -0.46
WM_FLOYD_69_KV_BK2 356380	39.21 1.30 -0.72	34.23 1.04 -0.68	30.31 0.84 -0.45	28.09 0.63 0.00	28.17 0.50 -0.06	29.13 0.39 -0.86	32.86 0.80 0.00	33.98 0.89 0.00	29.28 0.62 -0.51	26.88 0.83 0.00	27.61 1.46 0.00	29.88 1.74 0.00	33.58 2.17 0.00	35.73 2.43 -0.01	38.36 2.52 -0.30	44.81 2.42 -0.01	57.52 2.00 0.00	84.01 2.65 -1.08	88.83 2.80 -1.32	71.28 1.62 7.36	52.13 1.06 11.18	47.37 1.08 -1.14	43.30 1.75 -0.81	37.18 1.65 -0.46
WOODARD___115KV_TB2 355635	36.82 -0.37 0.00	32.12 -0.39 0.00	28.67 -0.35 0.00	27.13 -0.33 0.00	27.28 -0.33 0.00	27.57 -0.31 0.00	31.67 -0.38 0.00	32.72 -0.36 0.00	27.87 -0.28 0.00	25.78 -0.26 0.00	25.86 -0.29 0.00	27.80 -0.34 0.00	31.07 -0.35 0.00	32.96 -0.33 0.00	35.22 -0.32 0.00	42.05 -0.34 0.00	55.02 -0.50 0.00	82.48 -0.32 -2.52	90.88 0.08 -6.08	84.47 -0.39 -7.83	64.19 -0.44 -2.38	45.19 -0.36 -0.40	40.38 -0.49 -0.13	34.59 -0.32 0.16
WOODMERE_69_KV_BK1 55827	39.73 1.82 -0.72	34.82 1.63 -0.68	30.83 1.36 -0.45	28.64 1.18 0.00	28.75 1.08 -0.06	29.71 0.98 -0.86	33.34 1.28 0.00	34.44 1.36 0.00	29.81 1.15 -0.51	27.37 1.33 0.00	28.00 1.86 0.00	30.33 2.19 0.00	34.05 2.64 0.00	36.04 2.73 -0.01	38.83 2.99 -0.31	45.54 3.14 -0.01	59.02 3.50 0.00	86.58 5.22 -1.08	93.19 5.59 -2.88	83.38 4.16 -2.19	66.11 3.17 -0.69	48.59 2.30 -1.14	44.08 2.53 -0.81	37.84 2.31 -0.46
YORK___WARBASSE 23770	39.78 1.86 -0.73	35.02 1.82 -0.69	31.04 1.57 -0.46	28.92 1.46 -0.01	29.12 1.44 -0.07	30.14 1.39 -0.87	33.62 1.57 0.00	34.80 1.72 0.00	30.15 1.49 -0.51	27.66 1.61 0.00	27.95 1.80 0.00	30.19 2.05 0.00	33.78 2.36 -0.01	35.80 2.50 -0.01	38.50 2.67 -0.29	44.93 2.54 0.00	58.80 3.28 0.00	86.51 5.14 -1.09	93.34 5.59 -3.03	83.31 4.08 -2.20	65.93 2.99 -0.70	48.50 2.21 -1.14	44.04 2.49 -0.81	37.92 2.38 -0.47