

# Day Ahead Market Generator LBMP

		--- LBMP \$						--- Marginal Cost of Losses						--- Marginal Cost of Congestion											
Generator Data		02/28/2024																							
Name	PTID	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
59TH STREET_GT_1 24138	EST	18.92	17.44	17.01	16.83	17.27	18.23	21.80	24.09	24.31	23.06	23.87	24.40	23.63	22.11	22.47	24.49	25.04	28.52	31.80	28.10	24.88	21.45	19.94	19.30
		1.42	1.25	1.15	1.23	1.24	1.38	1.63	1.88	1.94	1.97	2.05	2.10	2.09	2.03	2.03	1.98	2.08	2.44	2.65	2.46	2.16	1.77	1.68	1.48
		-0.54	-0.77	-1.81	-0.58	-0.53	0.00	0.00	-0.53	-1.56	-0.10	0.00	-0.21	0.00	0.00	-0.32	-2.68	-2.95	-1.88	-2.94	-1.58	0.00	0.00	0.00	0.00
74TH STREET_GT_1 24260	EST	18.90	17.44	17.01	16.82	17.27	18.21	21.80	24.07	24.29	23.02	23.85	24.38	23.61	22.09	22.45	24.45	25.02	28.49	31.77	28.08	24.86	21.43	19.93	19.30
		1.41	1.25	1.15	1.22	1.24	1.36	1.63	1.86	1.91	1.93	2.03	2.08	2.07	2.01	2.01	1.94	2.06	2.42	2.62	2.43	2.14	1.75	1.66	1.48
		-0.54	-0.77	-1.81	-0.58	-0.53	0.00	0.00	-0.53	-1.56	-0.10	0.00	-0.21	0.00	0.00	-0.32	-2.68	-2.95	-1.88	-2.94	-1.58	0.00	0.00	0.00	0.00
74TH STREET_GT_2 24261	EST	18.90	17.44	17.01	16.82	17.27	18.21	21.80	24.07	24.29	23.02	23.85	24.38	23.61	22.09	22.45	24.45	25.02	28.49	31.77	28.08	24.86	21.43	19.93	19.30
		1.41	1.25	1.15	1.22	1.24	1.36	1.63	1.86	1.91	1.93	2.03	2.08	2.07	2.01	2.01	1.94	2.06	2.42	2.62	2.43	2.14	1.75	1.66	1.48
		-0.54	-0.77	-1.81	-0.58	-0.53	0.00	0.00	-0.53	-1.56	-0.10	0.00	-0.21	0.00	0.00	-0.32	-2.68	-2.95	-1.88	-2.94	-1.58	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS 24011	EST	18.67	17.33	17.20	16.66	17.14	17.93	21.53	23.80	24.25	22.64	23.43	23.97	23.01	21.51	21.97	24.62	25.14	28.33	31.82	27.62	24.25	20.84	19.27	18.75
		1.03	0.92	0.84	0.90	0.96	1.08	1.37	1.45	1.46	1.53	1.61	1.61	1.46	1.43	1.45	1.39	1.38	1.74	1.86	1.54	1.52	1.16	1.00	0.93
		-0.68	-0.99	-2.30	-0.74	-0.68	0.00	0.00	-0.67	-1.98	-0.12	0.00	-0.26	0.00	0.00	-0.40	-3.41	-3.75	-2.39	-3.74	-2.01	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY 23798	EST	18.73	17.36	17.23	16.69	17.17	17.98	21.60	23.89	24.44	22.85	23.65	24.19	23.14	21.63	22.10	24.68	25.22	28.43	31.93	27.69	24.31	20.90	19.30	18.78
		1.09	0.96	0.87	0.93	0.99	1.13	1.43	1.54	1.64	1.74	1.83	1.83	1.59	1.55	1.57	1.45	1.46	1.84	1.97	1.61	1.59	1.22	1.04	0.96
		-0.68	-0.99	-2.31	-0.74	-0.68	0.00	0.00	-0.67	-1.99	-0.12	0.00	-0.26	0.00	0.00	-0.40	-3.41	-3.76	-2.39	-3.75	-2.01	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS 24028	EST	18.67	17.33	17.20	16.66	17.14	17.93	21.53	23.80	24.25	22.64	23.43	23.97	23.01	21.51	21.97	24.62	25.14	28.33	31.82	27.62	24.25	20.84	19.27	18.75
		1.03	0.92	0.84	0.90	0.96	1.08	1.37	1.45	1.46	1.53	1.61	1.61	1.46	1.43	1.45	1.39	1.38	1.74	1.86	1.54	1.52	1.16	1.00	0.93
		-0.68	-0.99	-2.30	-0.74	-0.68	0.00	0.00	-0.67	-1.98	-0.12	0.00	-0.26	0.00	0.00	-0.40	-3.41	-3.75	-2.39	-3.74	-2.01	0.00	0.00	0.00	0.00
ADK_NYS___DAM 23527	EST	18.75	17.43	17.24	16.77	17.24	18.06	21.60	23.86	24.18	22.58	23.34	23.83	22.99	21.49	21.86	24.49	24.91	28.07	31.55	27.67	24.31	20.90	19.36	18.89
		1.14	1.06	0.97	1.04	1.08	1.21	1.43	1.54	1.46	1.47	1.53	1.48	1.44	1.41	1.35	1.37	1.28	1.57	1.73	1.66	1.59	1.22	1.10	1.07
		-0.66	-0.95	-2.22	-0.71	-0.65	0.00	0.00	-0.65	-1.91	-0.12	0.00	-0.25	0.00	0.00	-0.39	-3.29	-3.62	-2.31	-3.61	-1.94	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP 24190	EST	18.40	17.09	16.94	16.44	16.88	17.52	20.87	23.04	23.44	21.86	22.58	23.10	22.30	20.83	21.22	23.81	24.33	27.38	30.77	26.85	23.54	20.35	18.89	18.35
		0.78	0.72	0.66	0.71	0.73	0.67	0.71	0.72	0.71	0.76	0.76	0.75	0.75	0.74	0.70	0.69	0.70	0.87	0.94	0.84	0.82	0.67	0.62	0.53
		-0.66	-0.95	-2.23	-0.71	-0.65	0.00	0.00	-0.65	-1.92	-0.12	0.00	-0.25	0.00	0.00	-0.39	-3.30	-3.62	-2.31	-3.62	-1.94	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK 355683	EST	6.95	6.31	5.74	6.13	6.35	6.87	11.49	9.17	5.06	2.70	3.03	9.03	7.69	4.76	5.08	2.21	4.78	9.77	10.39	9.74	10.07	10.71	10.76	7.17
		-0.53	-0.48	-0.45	-0.48	-0.48	-0.56	-0.65	-0.65	-0.67	-0.67	-0.70	-0.66	-0.67	-0.62	-0.62	-0.63	-0.64	-0.80	-0.89	-0.79	-0.77	-0.67	-0.62	-0.64
		9.48	8.63	7.86	8.41	8.67	9.42	8.03	11.85	15.08	17.61	18.09	12.40	13.18	14.71	14.42	16.98	14.59	13.63	14.93	13.54	11.88	8.30	6.89	10.00
ALBANY_1_SOLAR 323833	EST	18.50	17.17	16.98	16.51	16.96	17.72	21.15	23.24	23.59	22.07	22.78	23.29	22.49	21.01	21.39	23.93	24.47	27.60	30.99	27.06	23.82	20.57	19.07	18.58
		0.90	0.82	0.74	0.80	0.82	0.88	0.99	0.93	0.89	0.97	0.96	0.95	0.95	0.92	0.88	0.87	0.90	1.14	1.23	1.08	1.09	0.89	0.80	0.77
		-0.65	-0.93	-2.18	-0.70	-0.64	0.00	0.00	-0.64	-1.88	-0.12	0.00	-0.25	0.00	0.00	-0.38	-3.24	-3.56	-2.27	-3.55	-1.90	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR 323834	EST	18.50	17.17	16.98	16.51	16.96	17.72	21.15	23.24	23.57	22.05	22.78	23.29	22.47	21.01	21.39	23.93	24.47	27.60	30.99	27.06	23.82	20.57	19.07	18.58
		0.90	0.82	0.74	0.80	0.82	0.88	0.99	0.93	0.87	0.95	0.96	0.95	0.93	0.92	0.88	0.87	0.90	1.14	1.23	1.08	1.09	0.89	0.80	0.77
		-0.65	-0.93	-2.18	-0.70	-0.64	0.00	0.00	-0.64	-1.88	-0.12	0.00	-0.25	0.00	0.00	-0.38	-3.24	-3.56	-2.27	-3.55	-1.90	0.00	0.00	0.00	0.00
ALBANY___1 23571	EST	18.40	17.09	16.94	16.44	16.88	17.52	20.87	23.04	23.44	21.86	22.58	23.10	22.30	20.83	21.22	23.81	24.33	27.38	30.77	26.85	23.54	20.35	18.89	18.35
		0.78	0.72	0.66	0.71	0.73	0.67	0.71	0.72	0.71	0.76	0.76	0.75	0.75	0.74	0.70	0.69	0.70	0.87	0.94	0.84	0.82	0.67	0.62	0.53
		-0.66	-0.95	-2.23	-0.71	-0.65	0.00	0.00	-0.65	-1.92	-0.12	0.00	-0.25	0.00	0.00	-0.39	-3.30	-3.62	-2.31	-3.62	-1.94	0.00	0.00	0.00	0.00



ALBANY___2 23572	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.72 -0.65	23.44 0.71 -1.92	21.86 0.76 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.38 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.35 0.53 0.00
ALBANY___3 23573	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.72 -0.65	23.44 0.71 -1.92	21.86 0.76 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.38 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.35 0.53 0.00
ALBANY___4 23574	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.72 -0.65	23.44 0.71 -1.92	21.86 0.76 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.38 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.35 0.53 0.00
ALBANY___LFGE 323615	18.52 0.90 -0.66	17.20 0.83 -0.95	17.04 0.76 -2.23	16.54 0.81 -0.71	16.99 0.84 -0.66	17.66 0.81 0.00	21.05 0.89 0.00	23.24 0.91 -0.65	23.63 0.89 -1.92	22.07 0.97 -0.12	22.80 0.98 0.00	23.32 0.97 -0.25	22.51 0.97 0.00	21.03 0.94 0.00	21.42 0.91 -0.39	24.02 0.89 -3.31	24.55 0.90 -3.63	27.62 1.11 -2.32	31.02 1.18 -3.63	27.07 1.06 -1.94	23.75 1.02 0.00	20.52 0.85 0.00	19.01 0.75 0.00	18.50 0.68 0.00
ALCOA_PA_115KV_PL-6C 55860	7.31 -0.47 9.17	6.62 -0.45 8.35	6.02 -0.42 7.61	6.44 -0.45 8.13	6.67 -0.45 8.38	7.20 -0.54 9.11	11.83 -0.56 7.77	9.65 -0.56 11.46	5.64 -0.58 14.59	3.36 -0.59 17.04	3.78 -0.61 17.43	9.96 -0.55 11.59	8.61 -0.56 12.38	5.33 -0.52 14.23	5.72 -0.50 13.91	2.84 -0.56 16.43	5.33 -0.56 14.12	10.74 -0.70 12.75	11.38 -0.84 14.00	10.73 -0.67 12.67	11.01 -0.66 11.06	11.52 -0.59 7.57	11.53 -0.53 6.20	7.92 -0.59 9.31
ALCOA_RYNLDS___DRP 24188	7.31 -0.47 9.17	6.62 -0.45 8.35	6.02 -0.42 7.61	6.44 -0.45 8.13	6.67 -0.45 8.38	7.20 -0.54 9.11	11.83 -0.56 7.77	9.65 -0.56 11.46	5.64 -0.58 14.59	3.36 -0.59 17.04	3.78 -0.61 17.43	9.96 -0.55 11.59	8.61 -0.56 12.38	5.33 -0.52 14.23	5.72 -0.50 13.91	2.84 -0.56 16.43	5.33 -0.56 14.12	10.74 -0.70 12.75	11.38 -0.84 14.00	10.73 -0.67 12.67	11.01 -0.66 11.06	11.52 -0.59 7.57	11.53 -0.53 6.20	7.92 -0.59 9.31
ALCOA___DSASP 323711	7.31 -0.47 9.17	6.62 -0.45 8.35	6.02 -0.42 7.61	6.44 -0.45 8.13	6.67 -0.45 8.38	7.20 -0.54 9.11	11.83 -0.56 7.77	9.65 -0.56 11.46	5.64 -0.58 14.59	3.36 -0.59 17.04	3.78 -0.61 17.43	9.96 -0.55 11.59	8.61 -0.56 12.38	5.33 -0.52 14.23	5.72 -0.50 13.91	2.84 -0.55 16.43	5.33 -0.56 14.12	10.74 -0.70 12.75	11.37 -0.84 14.00	10.73 -0.67 12.67	11.01 -0.66 11.06	11.52 -0.59 7.57	11.53 -0.53 6.20	7.92 -0.59 9.31
ALLEGHENY___COGEN 23514	17.17 0.10 -0.11	15.65 0.08 -0.16	14.50 0.07 -0.38	15.22 0.08 -0.12	15.67 0.06 -0.11	17.00 0.15 0.00	20.39 0.22 0.00	21.87 0.09 -0.11	21.09 -0.04 -0.32	20.92 -0.08 -0.02	21.69 -0.13 0.00	21.90 -0.24 -0.04	21.33 -0.22 0.00	20.07 -0.02 0.00	20.23 0.04 -0.07	20.52 0.14 -0.56	20.87 0.26 -0.60	25.06 0.48 -0.39	27.31 0.50 -0.60	24.78 0.38 -0.32	23.20 0.48 0.00	20.13 0.45 0.00	18.61 0.35 0.00	18.39 0.57 0.00
ALTAMONT_115KV_TB 2 55880	18.31 0.70 -0.66	17.02 0.65 -0.95	16.87 0.59 -2.23	16.36 0.63 -0.71	16.81 0.65 -0.65	17.54 0.69 0.00	20.97 0.81 0.00	23.17 0.85 -0.65	23.54 0.81 -1.92	21.95 0.84 -0.12	22.69 0.87 0.00	23.21 0.86 -0.25	22.38 0.84 0.00	20.91 0.82 0.00	21.34 0.83 -0.39	23.94 0.81 -3.30	24.46 0.82 -3.63	27.50 0.99 -2.31	30.91 1.07 -3.62	27.00 0.99 -1.94	23.66 0.93 0.00	20.43 0.75 0.00	18.94 0.68 0.00	18.46 0.64 0.00
ALTONA_WT_PWR 323606	6.91 -0.66 9.39	6.23 -0.65 8.54	5.68 -0.59 7.79	6.10 -0.60 8.32	6.35 -0.57 8.58	6.90 -0.62 9.33	11.47 -0.75 7.95	9.10 -0.85 11.73	4.80 -1.08 14.93	2.29 -1.26 17.44	-0.26 -1.42 20.66	-6.95 -1.35 27.69	-6.94 -1.34 27.15	4.26 -1.26 14.56	2.96 -1.25 15.91	1.74 -1.27 16.81	4.32 -1.24 14.45	-6.96 -1.57 29.58	-6.93 -1.70 31.44	-6.94 -1.54 29.47	-6.95 -1.50 28.17	-6.98 -1.32 25.34	-6.97 -1.21 24.03	-6.96 -1.21 23.57
AMERICAN_REF_FUEL 24010	15.60 -1.44 -0.09	14.31 -1.23 -0.12	13.26 -1.08 -0.29	13.96 -1.16 -0.09	14.32 -1.27 -0.09	15.43 -1.42 0.00	18.53 -1.63 0.00	19.55 -2.21 -0.09	18.71 -2.35 -0.25	18.55 -2.46 -0.02	19.29 -2.53 0.00	19.41 -2.72 -0.03	18.79 -2.76 0.00	17.76 -2.33 0.00	17.80 -2.37 -0.05	18.00 -2.26 -0.43	18.18 -2.30 -0.47	21.71 -2.78 -0.30	23.64 -3.04 -0.47	21.58 -2.74 -0.25	20.20 -2.52 0.00	17.71 -1.97 0.00	16.51 -1.75 0.00	16.59 -1.23 0.00
ARKWRIGHT___SUMMIT_WT_PWR 323751	15.63 -1.42 -0.10	14.23 -1.33 -0.14	13.19 -1.18 -0.32	13.94 -1.19 -0.10	14.20 -1.40 -0.09	15.67 -1.18 0.00	18.91 -1.25 0.00	19.47 -2.30 -0.09	18.72 -2.37 -0.28	18.95 -2.06 -0.02	19.70 -2.12 0.00	19.64 -2.50 -0.04	19.22 -2.33 0.00	18.20 -1.89 0.00	17.78 -2.40 -0.06	17.94 -2.36 -0.48	18.13 -2.40 -0.52	21.62 -2.90 -0.33	23.58 -3.15 -0.52	21.51 -2.84 -0.28	20.54 -2.18 0.00	17.97 -1.71 0.00	16.69 -1.57 0.00	16.89 -0.93 0.00
ARTHUR KILL_GT_1 23520	18.96 1.46 -0.54	17.48 1.28 -0.78	17.05 1.18 -1.82	16.85 1.25 -0.59	17.31 1.27 -0.54	18.16 1.32 0.00	21.63 1.47 0.00	23.94 1.73 -0.53	24.12 1.75 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	28.50 1.86 -4.55	31.16 1.85 -7.77	39.49 1.81 -17.59	22.29 1.85 -0.32	24.23 1.72 -2.68	24.81 1.86 -2.94	28.20 2.13 -1.88	31.99 2.44 -3.34	27.89 2.24 -1.58	34.47 1.98 -9.77	26.06 1.57 -4.81	19.93 1.61 -0.06	19.32 1.50 -0.01
ARTHUR_KILL_2 23512	18.93 1.42 -0.54	17.43 1.23 -0.78	17.01 1.14 -1.82	16.81 1.20 -0.59	17.27 1.22 -0.54	18.11 1.26 0.00	21.57 1.41 0.00	23.87 1.67 -0.53	24.06 1.69 -1.56	22.81 1.72 -0.10	23.63 1.81 0.00	28.46 1.81 -4.55	31.10 1.79 -7.77	39.42 1.75 -17.59	22.25 1.81 -0.32	24.17 1.67 -2.68	24.76 1.80 -2.94	28.13 2.06 -1.88	31.91 2.36 -3.34	27.82 2.17 -1.58	34.40 1.91 -9.77	26.00 1.52 -4.81	19.87 1.55 -0.06	19.27 1.44 -0.01
ARTHUR_KILL_3 23513	18.77 1.27 -0.54	17.32 1.12 -0.77	16.90 1.04 -1.81	16.69 1.10 -0.58	17.15 1.12 -0.53	18.10 1.25 0.00	21.60 1.43 0.00	23.87 1.67 -0.53	24.10 1.73 -1.56	22.83 1.74 -0.10	23.63 1.81 0.00	28.52 1.88 -4.54	31.15 1.85 -7.76	39.48 1.81 -17.58	22.25 1.81 -0.32	24.27 1.76 -2.69	24.82 1.86 -2.95	28.26 2.18 -1.88	31.93 2.38 -3.34	27.86 2.21 -1.58	34.44 1.95 -9.76	25.97 1.59 -4.70	19.83 1.52 -0.05	19.14 1.32 0.00



ARTHUR_KILL_COGEN 323718	18.96 1.46 -0.54	17.48 1.28 -0.78	17.05 1.18 -1.82	16.85 1.25 -0.59	17.31 1.27 -0.54	18.16 1.32 0.00	21.63 1.47 0.00	23.94 1.73 -0.53	24.12 1.75 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	28.50 1.86 -4.55	31.16 1.85 -7.77	39.49 1.81 -17.59	22.29 1.85 -0.32	24.23 1.72 -2.68	24.81 1.86 -2.94	28.20 2.13 -1.88	31.99 2.44 -3.34	27.89 2.24 -1.58	34.47 1.98 -9.77	26.06 1.57 -4.81	19.93 1.61 -0.06	19.32 1.50 -0.01
ASHOKAN____ 23654	17.98 0.42 -0.60	16.63 0.35 -0.86	16.37 0.31 -2.01	16.02 0.36 -0.64	16.48 0.39 -0.59	18.03 1.18 0.00	21.57 1.41 0.00	22.59 0.33 -0.59	22.80 0.25 -1.73	22.10 1.01 -0.11	22.73 0.92 0.00	23.27 0.95 -0.23	22.49 0.95 0.00	20.99 0.90 0.00	20.72 0.24 -0.35	23.08 0.28 -2.98	23.69 0.40 -3.28	26.89 0.61 -2.09	30.22 0.73 -3.27	26.33 0.51 -1.75	24.02 1.29 0.00	20.68 1.00 0.00	19.14 0.88 0.00	18.64 0.82 0.00
ASTORIA_EAST_ENERGY_CC1 323581	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.55 1.39 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.79 1.52 -0.01	19.34 1.51 -0.01
ASTORIA_EAST_ENERGY_CC2 323582	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.55 1.39 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.79 1.52 -0.01	19.34 1.51 -0.01
ASTORIA_GT2_1 24094	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT2_2 24095	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT2_3 24096	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT2_4 24097	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT3_1 24098	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT3_2 24099	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT3_3 24100	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT3_4 24101	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT4_1 24102	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT4_2 24103	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT4_3 24104	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00



ASTORIA_GT4_4 24105	18.94 1.44 -0.54	17.50 1.31 -0.77	17.09 1.22 -1.81	16.89 1.29 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.58 1.41 0.00	23.89 1.69 -0.53	24.12 1.75 -1.56	22.89 1.80 -0.10	23.72 1.90 0.00	24.22 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.33 1.89 -0.32	24.29 1.78 -2.68	24.88 1.92 -2.95	28.25 2.18 -1.88	31.56 2.41 -2.93	27.86 2.21 -1.58	24.63 1.91 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.30 1.48 0.00
ASTORIA_GT_1 23523	18.96 1.46 -0.54	17.52 1.33 -0.78	17.11 1.24 -1.82	16.93 1.32 -0.59	17.37 1.33 -0.54	18.25 1.40 0.00	21.59 1.43 0.01	23.91 1.71 -0.52	24.15 1.79 -1.55	22.90 1.83 -0.09	23.73 1.92 0.01	24.24 1.94 -0.20	23.47 1.94 0.01	21.96 1.89 0.01	22.36 1.93 -0.31	24.32 1.82 -2.67	24.92 1.96 -2.95	28.29 2.22 -1.87	31.58 2.44 -2.93	27.90 2.26 -1.57	24.69 1.98 0.01	21.30 1.61 -0.01	19.84 1.57 -0.01	19.38 1.55 -0.01
ASTORIA_GT_10 24110	18.92 1.42 -0.54	17.44 1.25 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.10 1.95 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
ASTORIA_GT_11 24225	18.92 1.42 -0.54	17.44 1.25 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.10 1.95 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
ASTORIA_GT_12 24226	18.92 1.42 -0.54	17.44 1.25 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.10 1.95 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
ASTORIA_GT_13 24227	18.92 1.42 -0.54	17.44 1.25 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.10 1.95 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
ASTORIA_GT_5 24106	18.95 1.46 -0.54	17.52 1.33 -0.77	17.10 1.24 -1.81	16.92 1.32 -0.58	17.37 1.33 -0.53	18.25 1.40 0.00	21.60 1.43 0.00	23.91 1.71 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.24 1.94 -0.20	23.47 1.94 0.01	21.97 1.89 0.01	22.37 1.93 -0.32	24.33 1.82 -2.68	24.92 1.96 -2.95	28.30 2.23 -1.88	31.61 2.46 -2.93	27.91 2.26 -1.58	24.67 1.95 0.01	21.30 1.61 -0.01	19.84 1.57 -0.01	19.32 1.50 0.00
ASTORIA_GT_7 24107	18.95 1.46 -0.54	17.52 1.33 -0.77	17.10 1.24 -1.81	16.92 1.32 -0.58	17.37 1.33 -0.53	18.25 1.40 0.00	21.60 1.43 0.00	23.91 1.71 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.24 1.94 -0.20	23.47 1.94 0.01	21.97 1.89 0.01	22.37 1.93 -0.32	24.33 1.82 -2.68	24.92 1.96 -2.95	28.30 2.23 -1.88	31.61 2.46 -2.93	27.91 2.26 -1.58	24.67 1.95 0.01	21.30 1.61 -0.01	19.84 1.57 -0.01	19.32 1.50 0.00
ASTORIA_GT_8 24108	18.95 1.46 -0.54	17.52 1.33 -0.77	17.10 1.24 -1.81	16.92 1.32 -0.58	17.37 1.33 -0.53	18.25 1.40 0.00	21.60 1.43 0.00	23.91 1.71 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.24 1.94 -0.20	23.47 1.94 0.01	21.97 1.89 0.01	22.37 1.93 -0.32	24.33 1.82 -2.68	24.92 1.96 -2.95	28.30 2.23 -1.88	31.61 2.46 -2.93	27.91 2.26 -1.58	24.67 1.95 0.01	21.30 1.61 -0.01	19.84 1.57 -0.01	19.32 1.50 0.00
ASTORIA___2 24149	18.94 1.44 -0.54	17.51 1.31 -0.78	17.09 1.22 -1.82	16.90 1.29 -0.59	17.36 1.32 -0.54	18.23 1.38 0.00	21.57 1.41 0.01	23.89 1.69 -0.52	24.11 1.75 -1.55	22.88 1.81 -0.09	23.71 1.90 0.01	24.21 1.92 -0.20	23.43 1.90 0.01	21.92 1.85 0.01	22.32 1.89 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.85 2.21 -1.57	24.67 1.95 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.34 1.51 -0.01
ASTORIA___3 23516	18.93 1.42 -0.54	17.45 1.25 -0.78	17.04 1.17 -1.82	16.84 1.23 -0.59	17.30 1.26 -0.54	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.54 1.89 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.15 2.00 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.31 1.48 -0.01
ASTORIA___4 23517	18.92 1.42 -0.54	17.44 1.25 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.10 1.95 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
ASTORIA___5 23518	18.93 1.42 -0.54	17.45 1.25 -0.78	17.04 1.17 -1.82	16.84 1.23 -0.59	17.30 1.26 -0.54	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.54 1.89 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.15 2.00 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.31 1.48 -0.01
AST_ENERGY_2_CC3 323677	18.78 1.29 -0.54	17.33 1.14 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.10 1.25 0.00	21.62 1.45 0.00	23.89 1.69 -0.53	24.10 1.73 -1.56	22.85 1.76 -0.10	23.65 1.83 0.00	24.18 1.88 -0.21	23.42 1.87 0.00	21.91 1.83 0.00	22.27 1.83 -0.32	24.29 1.78 -2.68	24.84 1.88 -2.95	28.28 2.20 -1.88	31.56 2.41 -2.94	27.86 2.21 -1.58	24.68 1.95 0.00	21.29 1.61 0.00	19.78 1.52 0.00	19.16 1.34 0.00
AST_ENERGY_2_CC4 323678	18.78 1.29 -0.54	17.33 1.14 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.10 1.25 0.00	21.62 1.45 0.00	23.89 1.69 -0.53	24.10 1.73 -1.56	22.85 1.76 -0.10	23.65 1.83 0.00	24.18 1.88 -0.21	23.42 1.87 0.00	21.91 1.83 0.00	22.27 1.83 -0.32	24.29 1.78 -2.68	24.84 1.88 -2.95	28.28 2.20 -1.88	31.56 2.41 -2.94	27.86 2.21 -1.58	24.68 1.95 0.00	21.29 1.61 0.00	19.78 1.52 0.00	19.16 1.34 0.00



ATHENS_STG_1 23668	18.38 0.83 -0.59	17.03 0.76 -0.86	16.75 0.69 -2.01	16.40 0.74 -0.64	16.85 0.76 -0.59	17.69 0.84 0.00	21.15 0.99 0.00	23.32 1.06 -0.59	23.60 1.06 -1.73	22.17 1.07 -0.11	22.93 1.11 0.00	23.45 1.13 -0.23	22.64 1.10 0.00	21.17 1.08 0.00	21.54 1.07 -0.35	23.85 1.05 -2.97	24.36 1.08 -3.27	27.56 1.28 -2.08	30.89 1.41 -3.26	27.12 1.30 -1.75	23.93 1.20 0.00	20.64 0.96 0.00	19.14 0.88 0.00	18.64 0.82 0.00
ATHENS_STG_2 23670	18.38 0.83 -0.59	17.03 0.76 -0.86	16.75 0.69 -2.01	16.40 0.74 -0.64	16.85 0.76 -0.59	17.69 0.84 0.00	21.15 0.99 0.00	23.32 1.06 -0.59	23.60 1.06 -1.73	22.17 1.07 -0.11	22.93 1.11 0.00	23.45 1.13 -0.23	22.64 1.10 0.00	21.17 1.08 0.00	21.54 1.07 -0.35	23.85 1.05 -2.97	24.36 1.08 -3.27	27.56 1.28 -2.08	30.89 1.41 -3.26	27.12 1.30 -1.75	23.93 1.20 0.00	20.64 0.96 0.00	19.14 0.88 0.00	18.64 0.82 0.00
ATHENS_STG_3 23677	18.38 0.83 -0.59	17.03 0.76 -0.86	16.75 0.69 -2.01	16.40 0.74 -0.64	16.85 0.76 -0.59	17.69 0.84 0.00	21.15 0.99 0.00	23.32 1.06 -0.59	23.60 1.06 -1.73	22.17 1.07 -0.11	22.93 1.11 0.00	23.45 1.13 -0.23	22.64 1.10 0.00	21.17 1.08 0.00	21.54 1.07 -0.35	23.85 1.05 -2.97	24.36 1.08 -3.27	27.56 1.28 -2.08	30.89 1.41 -3.26	27.12 1.30 -1.75	23.93 1.20 0.00	20.64 0.96 0.00	19.14 0.88 0.00	18.64 0.82 0.00
AUBURN___LFGE 323710	17.04 0.00 -0.08	15.53 0.00 -0.12	14.32 0.00 -0.27	15.11 0.00 -0.09	15.60 0.02 -0.08	16.90 0.05 0.00	20.26 0.10 0.00	21.86 0.11 -0.08	21.13 0.08 -0.23	21.11 0.10 -0.01	21.93 0.11 0.00	22.21 0.09 -0.03	21.63 0.09 0.00	20.17 0.08 0.00	20.25 0.08 -0.05	20.29 0.06 -0.40	20.50 0.06 -0.43	24.62 0.15 -0.28	26.80 0.16 -0.43	24.42 0.12 -0.23	22.88 0.16 0.00	19.88 0.20 0.00	18.43 0.16 0.00	18.07 0.25 0.00
BABYLON_RES_REC 323704	19.17 1.68 -0.54	17.64 1.45 -0.78	17.20 1.34 -1.81	16.98 1.38 -0.58	17.46 1.43 -0.53	20.83 1.70 -2.28	29.56 2.02 -7.38	31.00 2.23 -7.10	29.61 2.21 -6.59	27.02 2.25 -3.78	28.42 2.34 -4.27	30.51 2.37 -6.05	29.86 2.33 -5.99	29.40 2.25 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.30	28.73 2.30 -6.42	32.31 2.73 -5.38	33.00 2.99 -3.80	29.40 2.74 -2.58	28.10 2.50 -2.87	26.45 2.07 -4.71	20.22 1.92 -0.04	19.58 1.76 0.00
BABYLON__69_KV_BK2 356345	19.36 1.87 -0.54	17.79 1.60 -0.77	17.34 1.48 -1.81	17.12 1.52 -0.58	17.61 1.58 -0.53	21.01 1.89 -2.28	29.80 2.26 -7.38	31.26 2.49 -7.10	29.82 2.41 -6.59	27.20 2.43 -3.78	28.61 2.53 -4.26	30.73 2.59 -6.05	30.05 2.52 -5.99	29.60 2.45 -7.07	29.58 2.43 -7.03	29.52 2.40 -7.30	28.93 2.50 -6.42	32.58 3.00 -5.38	33.29 3.28 -3.80	29.64 2.98 -2.58	28.32 2.73 -2.87	26.63 2.24 -4.71	20.38 2.08 -0.04	19.76 1.94 0.00
BALL_HILL_WT_PWR 323825	15.88 -1.17 -0.09	14.52 -1.03 -0.13	13.46 -0.90 -0.31	14.17 -0.95 -0.10	14.52 -1.07 -0.09	15.97 -0.88 0.00	19.18 -0.99 0.00	19.88 -1.89 -0.09	19.08 -2.00 -0.27	19.26 -1.74 -0.02	20.03 -1.79 0.00	19.99 -2.14 -0.04	19.54 -2.00 0.00	18.48 -1.61 0.00	18.17 -2.01 -0.05	18.36 -1.92 -0.46	18.57 -1.94 -0.50	22.17 -2.35 -0.32	24.17 -2.54 -0.50	22.03 -2.31 -0.27	21.00 -1.73 0.00	18.38 -1.30 0.00	17.09 -1.17 0.00	17.18 -0.64 0.00
BARON_WINDS___WT_PWR 323822	16.85 -0.25 -0.14	15.38 -0.25 -0.21	14.32 -0.23 -0.49	14.92 -0.26 -0.16	15.35 -0.29 -0.14	16.77 -0.08 0.00	20.10 -0.06 0.00	21.32 -0.50 -0.14	20.71 -0.52 -0.42	20.72 -0.29 -0.03	21.53 -0.28 0.00	21.60 -0.55 -0.06	21.18 -0.37 0.00	19.95 -0.14 0.00	19.81 -0.40 -0.09	20.11 -0.44 -0.73	20.36 -0.44 -0.79	24.24 -0.46 -0.50	26.47 -0.52 -0.79	24.01 -0.48 -0.42	22.61 -0.11 0.00	19.64 -0.04 0.00	18.17 -0.09 0.00	17.93 0.11 0.00
BARRETT_IC_1 23704	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_10 23701	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_11 23702	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_12 23703	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_2 23705	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_3 23706	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_4 23707	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01



BARRETT_IC_5 23708	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_6 23709	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_7 23710	19.05 1.56 -0.54	17.55 1.36 -0.77	17.11 1.25 -1.81	16.91 1.31 -0.58	17.38 1.35 -0.53	20.67 1.55 -2.28	29.38 1.83 -7.38	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.31 2.17 -6.05	29.73 2.13 -6.05	29.24 2.09 -7.07	29.22 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.09 2.52 -5.38	32.74 2.73 -3.80	29.18 2.53 -2.58	27.89 2.30 -2.87	26.52 1.83 -5.01	20.07 1.77 -0.04	19.44 1.62 0.00
BARRETT_IC_8 23711	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT_IC_9 23700	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT___1 23545	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BARRETT___2 23546	19.06 1.56 -0.54	17.55 1.36 -0.78	17.12 1.25 -1.82	16.91 1.31 -0.59	17.39 1.35 -0.54	20.68 1.55 -2.28	29.39 1.83 -7.39	30.81 2.04 -7.10	29.51 2.04 -6.65	26.89 2.06 -3.85	28.29 2.14 -4.33	30.32 2.17 -6.06	29.73 2.13 -6.05	29.23 2.07 -7.08	29.23 2.07 -7.03	29.19 1.96 -7.40	28.54 2.04 -6.49	32.07 2.49 -5.38	32.74 2.73 -3.80	29.19 2.53 -2.59	27.92 2.32 -2.88	26.52 1.83 -5.01	20.08 1.77 -0.05	19.45 1.62 -0.01
BATAVIA__115KV_TB1 55881	16.24 -0.80 -0.08	14.86 -0.68 -0.12	13.75 -0.58 -0.28	14.49 -0.62 -0.09	14.90 -0.68 -0.08	16.09 -0.76 0.00	19.30 -0.87 0.00	20.52 -1.24 -0.08	19.66 -1.39 -0.24	19.58 -1.43 -0.01	20.36 -1.46 0.00	20.49 -1.64 -0.03	19.86 -1.68 0.00	18.70 -1.39 0.00	18.90 -1.27 -0.05	19.01 -1.23 -0.41	19.23 -1.22 -0.45	23.03 -1.45 -0.28	25.06 -1.60 -0.44	22.84 -1.47 -0.24	21.36 -1.36 0.00	18.66 -1.02 0.00	17.35 -0.91 0.00	17.30 -0.52 0.00
BAYONEEC___CTG1 323682	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG10 323750	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG2 323683	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG3 323684	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG4 323685	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG5 323686	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG6 323687	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00



BAYONEEC___CTG7 323688	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG8 323689	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BAYONEEC___CTG9 323749	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
BEACON___LESR 323632	18.63 1.02 -0.66	17.29 0.92 -0.95	17.10 0.83 -2.22	16.63 0.90 -0.71	17.08 0.93 -0.65	17.79 0.94 0.00	21.25 1.09 0.00	23.43 1.10 -0.65	23.81 1.08 -1.91	22.26 1.15 -0.12	23.00 1.18 0.00	23.50 1.15 -0.25	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.17 1.05 -3.29	24.71 1.08 -3.62	27.86 1.35 -2.31	31.24 1.41 -3.61	27.26 1.25 -1.94	23.95 1.23 0.00	20.68 1.00 0.00	19.16 0.89 0.00	18.62 0.80 0.00
BEAVER RIVER___HYD 24048	14.05 -0.30 2.61	12.75 -0.31 2.36	11.64 -0.31 2.11	12.38 -0.33 2.31	12.81 -0.31 2.38	13.90 -0.34 2.61	17.67 -0.26 2.23	18.13 -0.28 3.26	16.45 -0.25 4.12	15.86 -0.25 4.88	16.70 -0.26 4.86	19.35 -0.22 2.52	18.50 -0.22 2.83	15.80 -0.20 4.08	16.05 -0.18 3.89	15.01 -0.22 4.60	15.89 -0.20 3.92	21.35 -0.10 2.75	23.13 -0.05 3.03	21.26 -0.07 2.74	20.35 -0.05 2.33	18.31 -0.08 1.29	17.24 -0.13 0.90	15.71 -0.14 1.97
BEEBEE_GT_13 23619	16.51 -0.53 -0.07	15.08 -0.45 -0.11	13.91 -0.39 -0.25	14.69 -0.41 -0.08	15.13 -0.45 -0.07	16.21 -0.64 0.00	19.44 -0.73 0.00	20.97 -0.78 -0.07	20.13 -0.89 -0.22	19.93 -1.07 -0.01	20.75 -1.07 0.00	21.04 -1.08 -0.03	20.36 -1.18 0.00	19.06 -1.02 0.00	19.36 -0.80 -0.04	19.42 -0.77 -0.37	19.63 -0.78 -0.41	23.53 -0.92 -0.26	25.59 -1.02 -0.40	23.33 -0.96 -0.22	21.68 -1.05 0.00	18.89 -0.79 0.00	17.57 -0.69 0.00	17.39 -0.43 0.00
BENSHRST_27_KV_BENSHRST_1 355998	19.05 1.56 -0.54	17.56 1.37 -0.77	17.11 1.25 -1.81	16.92 1.32 -0.58	17.38 1.35 -0.53	18.28 1.43 0.00	21.80 1.63 0.00	24.13 1.93 -0.53	24.33 1.96 -1.56	23.10 2.01 -0.10	23.93 2.12 0.00	28.86 2.12 -4.64	31.59 2.11 -7.94	40.13 2.05 -17.99	22.53 2.09 -0.32	24.49 1.98 -2.68	25.04 2.08 -2.95	28.49 2.42 -1.88	32.28 2.73 -3.34	28.13 2.48 -1.58	34.87 2.16 -9.99	26.29 1.81 -4.81	20.09 1.77 -0.06	19.46 1.64 0.00
BETHLEHEM___GRP 23843	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.72 -0.65	23.44 0.71 -1.92	21.86 0.76 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.38 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.35 0.53 0.00
BETHLEHEM___GS1 323560	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.71 -0.65	23.44 0.71 -1.92	21.86 0.75 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.37 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.37 0.55 0.00
BETHLEHEM___GS2 323561	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.71 -0.65	23.44 0.71 -1.92	21.86 0.75 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.37 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.37 0.55 0.00
BETHLEHEM___GS3 323562	18.40 0.78 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.44 0.71 -0.71	16.88 0.73 -0.65	17.52 0.67 0.00	20.87 0.71 0.00	23.04 0.71 -0.65	23.44 0.71 -1.92	21.86 0.75 -0.12	22.58 0.76 0.00	23.10 0.75 -0.25	22.30 0.75 0.00	20.83 0.74 0.00	21.22 0.70 -0.39	23.81 0.69 -3.30	24.33 0.70 -3.62	27.37 0.87 -2.31	30.77 0.94 -3.62	26.85 0.84 -1.94	23.54 0.82 0.00	20.35 0.67 0.00	18.89 0.62 0.00	18.37 0.55 0.00
BETHLEHEM___STEEL 23779	15.84 -1.20 -0.09	14.51 -1.03 -0.13	13.46 -0.90 -0.31	14.16 -0.96 -0.10	14.51 -1.09 -0.09	15.92 -0.93 0.00	19.09 -1.07 0.00	19.83 -1.93 -0.09	19.04 -2.04 -0.26	19.18 -1.83 -0.02	19.94 -1.88 0.00	19.92 -2.21 -0.03	19.45 -2.09 0.00	18.38 -1.71 0.00	18.18 -1.99 -0.05	18.31 -1.96 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.59 -0.49	22.00 -2.33 -0.26	20.91 -1.82 0.00	18.32 -1.36 0.00	17.06 -1.21 0.00	17.07 -0.75 0.00
BETHLHEM_115KV_TB1 79974	18.41 0.80 -0.66	17.09 0.72 -0.95	16.94 0.66 -2.23	16.45 0.72 -0.71	16.88 0.73 -0.65	17.54 0.69 0.00	20.89 0.73 0.00	23.06 0.74 -0.65	23.46 0.73 -1.92	21.88 0.78 -0.12	22.60 0.79 0.00	23.12 0.77 -0.25	22.32 0.78 0.00	20.85 0.76 0.00	21.24 0.72 -0.39	23.83 0.71 -3.30	24.37 0.74 -3.62	27.40 0.90 -2.31	30.80 0.97 -3.62	26.88 0.87 -1.94	23.57 0.84 0.00	20.37 0.69 0.00	18.89 0.62 0.00	18.35 0.53 0.00
BETHPAGE_CC_5 323564	19.16 1.66 -0.54	17.62 1.43 -0.78	17.18 1.32 -1.81	16.97 1.37 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.50 1.96 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.59	26.95 2.18 -3.78	28.35 2.27 -4.27	30.46 2.32 -6.05	29.84 2.31 -5.99	29.38 2.23 -7.07	29.36 2.21 -7.03	29.29 2.16 -7.30	28.70 2.26 -6.43	32.26 2.69 -5.38	32.95 2.93 -3.80	29.35 2.70 -2.58	28.03 2.43 -2.87	26.42 2.03 -4.72	20.20 1.90 -0.04	19.57 1.75 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	15.81 -1.24 -0.09	14.48 -1.06 -0.13	13.42 -0.94 -0.31	14.11 -1.01 -0.10	14.48 -1.12 -0.09	15.99 -0.86 0.00	19.18 -0.99 0.00	19.79 -1.97 -0.09	19.00 -2.08 -0.27	19.28 -1.72 -0.02	20.05 -1.77 0.00	19.94 -2.19 -0.04	19.56 -1.98 0.00	18.50 -1.59 0.00	18.17 -2.01 -0.05	18.30 -1.98 -0.46	18.49 -2.02 -0.50	22.07 -2.44 -0.32	24.06 -2.65 -0.50	21.96 -2.38 -0.27	21.04 -1.68 0.00	18.44 -1.24 0.00	17.15 -1.11 0.00	17.16 -0.66 0.00



BINGHAMTON___COGEN 23790	17.25 0.10 -0.19	15.78 0.09 -0.27	14.78 0.10 -0.63	15.33 0.11 -0.20	15.78 0.09 -0.18	17.10 0.25 0.00	20.49 0.32 0.00	21.96 0.11 -0.18	21.46 0.10 -0.54	21.23 0.21 -0.03	22.04 0.22 0.00	22.28 0.11 -0.07	21.74 0.19 0.00	20.33 0.24 0.00	20.33 0.10 -0.11	20.85 0.10 -0.93	21.14 0.12 -1.01	25.03 0.19 -0.64	27.43 0.21 -1.01	24.81 0.19 -0.54	23.09 0.36 0.00	20.03 0.35 0.00	18.56 0.29 0.00	18.23 0.41 0.00
BIXINCNT_115KV_LOAD 355685	15.45 -1.61 -0.10	14.12 -1.43 -0.14	13.13 -1.25 -0.33	13.68 -1.44 -0.11	14.06 -1.53 -0.10	15.79 -1.06 0.00	18.83 -1.33 0.00	19.15 -2.62 -0.10	18.43 -2.66 -0.28	19.03 -1.97 -0.02	19.79 -2.03 0.00	19.50 -2.63 -0.04	19.30 -2.24 0.00	18.26 -1.83 0.00	17.61 -2.58 -0.06	17.78 -2.54 -0.49	17.90 -2.64 -0.53	21.34 -3.19 -0.34	23.25 -3.49 -0.53	21.25 -3.11 -0.28	20.75 -1.98 0.00	18.16 -1.52 0.00	16.91 -1.35 0.00	16.95 -0.87 0.00
BLACK RIVER___HYD 24047	14.93 -0.24 1.79	13.56 -0.25 1.61	12.40 -0.25 1.40	13.16 -0.29 1.58	13.62 -0.25 1.63	14.79 -0.25 1.81	18.50 -0.12 1.54	19.28 -0.15 2.24	17.89 -0.12 2.80	17.47 -0.15 3.37	18.33 -0.13 3.36	20.21 -0.15 1.73	19.47 -0.13 1.95	17.12 -0.14 2.82	17.32 -0.12 2.68	16.63 -0.10 3.10	17.33 -0.06 2.61	22.48 0.12 1.83	24.45 0.24 1.99	22.41 0.17 1.84	21.33 0.20 1.60	18.93 0.14 0.89	17.67 0.02 0.61	16.50 0.04 1.36
BLACKRVR_115KV_TB2 79977	14.93 -0.24 1.79	13.56 -0.25 1.61	12.40 -0.25 1.40	13.16 -0.29 1.58	13.62 -0.25 1.63	14.79 -0.25 1.81	18.50 -0.12 1.54	19.28 -0.15 2.24	17.89 -0.12 2.80	17.47 -0.15 3.37	18.33 -0.13 3.36	20.21 -0.15 1.73	19.47 -0.13 1.95	17.12 -0.14 2.82	17.32 -0.12 2.68	16.63 -0.10 3.10	17.33 -0.06 2.61	22.48 0.12 1.83	24.45 0.24 1.99	22.40 0.17 1.84	21.33 0.20 1.60	18.93 0.14 0.89	17.67 0.02 0.61	16.48 0.02 1.36
BLISS_WT_PWR 323608	15.33 -1.73 -0.10	14.02 -1.54 -0.14	13.03 -1.35 -0.33	13.56 -1.56 -0.11	13.94 -1.66 -0.10	15.64 -1.21 0.00	18.61 -1.55 0.00	18.95 -2.82 -0.10	18.25 -2.85 -0.28	18.84 -2.16 -0.02	19.62 -2.20 0.00	19.33 -2.81 -0.04	19.11 -2.43 0.00	18.06 -2.03 0.00	17.34 -2.84 -0.06	17.58 -2.74 -0.49	17.68 -2.86 -0.53	21.05 -3.48 -0.34	22.97 -3.77 -0.53	20.99 -3.37 -0.28	20.50 -2.23 0.00	17.95 -1.73 0.00	16.73 -1.53 0.00	16.82 -1.00 0.00
BLUESTONE___WT_PWR 323821	18.17 1.02 -0.20	16.60 0.89 -0.29	15.52 0.80 -0.67	16.07 0.84 -0.21	16.61 0.91 -0.20	18.03 1.18 0.00	21.74 1.57 0.00	23.36 1.49 -0.20	22.87 1.48 -0.58	22.60 1.57 -0.04	23.48 1.66 0.00	23.78 1.61 -0.08	23.20 1.66 0.00	21.71 1.63 0.00	21.75 1.51 -0.12	22.28 1.47 -0.99	22.59 1.50 -1.08	26.92 2.03 -0.69	29.62 2.33 -1.08	26.77 2.12 -0.58	24.88 2.16 0.00	21.49 1.81 0.00	19.80 1.53 0.00	19.44 1.62 0.00
BLUE_CIRC_CHEM_DRP 24182	18.40 0.80 -0.65	17.09 0.74 -0.94	16.92 0.67 -2.19	16.44 0.72 -0.70	16.87 0.73 -0.64	17.61 0.76 0.00	21.03 0.87 0.00	23.16 0.85 -0.64	23.51 0.81 -1.89	21.97 0.86 -0.12	22.69 0.87 0.00	23.23 0.88 -0.25	22.41 0.86 0.00	20.93 0.84 0.00	21.33 0.83 -0.38	23.88 0.81 -3.25	24.40 0.82 -3.57	27.49 1.02 -2.27	30.87 1.10 -3.61	26.97 0.99 -1.91	23.68 0.95 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.48 0.66 0.00
BOC_GAS_DRP 24189	18.29 0.68 -0.66	16.98 0.62 -0.95	16.83 0.56 -2.22	16.33 0.60 -0.71	16.77 0.62 -0.65	17.51 0.66 0.00	20.91 0.75 0.00	23.10 0.78 -0.65	23.47 0.75 -1.91	21.88 0.78 -0.12	22.63 0.81 0.00	23.14 0.80 -0.25	22.34 0.80 0.00	20.87 0.78 0.00	21.28 0.76 -0.39	23.86 0.75 -3.29	24.38 0.76 -3.61	27.42 0.92 -2.30	30.81 1.00 -3.60	26.92 0.91 -1.93	23.61 0.89 0.00	20.39 0.71 0.00	18.90 0.64 0.00	18.42 0.61 0.00
BOONVILLE_115KV_TB1 79983	16.61 0.29 0.64	15.09 0.25 0.57	13.78 0.21 0.49	14.67 0.21 0.56	15.17 0.25 0.58	16.52 0.32 0.65	20.09 0.48 0.56	21.37 0.50 0.80	20.34 0.52 0.99	20.30 0.52 1.22	21.20 0.57 1.19	22.19 0.60 0.50	21.55 0.60 0.59	19.61 0.54 1.02	19.72 0.54 0.95	19.25 0.52 1.09	19.63 0.52 0.90	24.41 0.73 0.51	26.50 0.84 0.55	24.30 0.75 0.51	23.00 0.73 0.45	20.08 0.59 0.19	18.65 0.47 0.09	17.92 0.48 0.38
BORALEX_4TH_BRANCH 23824	18.75 1.14 -0.66	17.43 1.06 -0.95	17.24 0.97 -2.22	16.77 1.04 -0.71	17.24 1.09 -0.65	18.06 1.21 0.00	21.60 1.43 0.00	23.86 1.54 -0.65	24.18 1.46 -1.91	22.58 1.47 -0.12	23.35 1.53 0.00	23.83 1.48 -0.25	22.99 1.44 0.00	21.49 1.41 0.00	21.88 1.37 -0.39	24.49 1.37 -3.29	24.91 1.28 -3.62	28.08 1.57 -2.31	31.55 1.73 -3.61	27.67 1.66 -1.94	24.34 1.61 0.00	20.90 1.22 0.00	19.36 1.10 0.00	18.89 1.07 0.00
BOWLINE___1 23526	18.63 1.15 -0.52	17.18 1.02 -0.75	16.75 0.94 -1.76	16.59 1.01 -0.56	17.04 1.02 -0.52	18.01 1.16 0.00	21.54 1.37 0.00	23.70 1.52 -0.51	23.87 1.54 -1.51	22.64 1.55 -0.09	23.43 1.61 0.00	23.95 1.66 -0.20	23.18 1.64 0.00	21.67 1.59 0.00	22.02 1.59 -0.31	23.98 1.55 -2.60	24.51 1.64 -2.86	27.96 1.94 -1.82	31.19 2.12 -2.86	27.55 1.95 -1.53	24.50 1.77 0.00	21.10 1.42 0.00	19.58 1.32 0.00	18.99 1.18 0.00
BOWLINE___2 23595	18.63 1.15 -0.52	17.20 1.03 -0.75	16.75 0.94 -1.76	16.59 1.01 -0.56	17.04 1.02 -0.52	18.01 1.16 0.00	21.54 1.37 0.00	23.70 1.52 -0.51	23.87 1.54 -1.51	22.64 1.55 -0.09	23.43 1.61 0.00	23.95 1.66 -0.20	23.18 1.64 0.00	21.67 1.59 0.00	22.02 1.59 -0.31	23.98 1.55 -2.60	24.51 1.64 -2.86	27.96 1.94 -1.82	31.19 2.12 -2.86	27.55 1.95 -1.53	24.50 1.77 0.00	21.10 1.42 0.00	19.58 1.32 0.00	18.99 1.18 0.00
BRADY___115KV_TB2 356060	7.90 -0.44 8.62	7.15 -0.42 7.85	6.51 -0.39 7.15	6.95 -0.42 7.64	7.22 -0.40 7.88	7.78 -0.51 8.57	12.38 -0.48 7.30	10.42 -0.48 10.78	6.59 -0.50 13.72	4.47 -0.50 16.02	5.05 -0.50 16.26	11.47 -0.42 10.20	10.13 -0.41 11.00	6.33 -0.38 13.38	6.76 -0.36 13.00	3.92 -0.46 15.45	6.28 -0.46 13.27	12.37 -0.56 11.26	13.17 -0.63 12.41	12.38 -0.51 11.19	12.57 -0.50 9.66	12.88 -0.45 6.35	12.80 -0.40 5.06	9.21 -0.46 8.14
BRANSCOMB___SOLAR 323811	18.62 0.98 -0.68	17.29 0.89 -0.98	17.14 0.80 -2.29	16.61 0.86 -0.73	17.07 0.90 -0.67	17.86 1.01 0.00	21.39 1.23 0.00	23.64 1.30 -0.67	24.05 1.27 -1.97	22.43 1.32 -0.12	23.19 1.38 0.00	23.73 1.37 -0.26	22.84 1.29 0.00	21.33 1.25 0.00	21.77 1.25 -0.40	24.43 1.21 -3.39	24.94 1.20 -3.73	28.07 1.50 -2.38	31.56 1.63 -3.72	27.49 1.42 -1.99	24.11 1.39 0.00	20.74 1.06 0.00	19.20 0.93 0.00	18.71 0.89 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	19.27 1.78 -0.54	17.73 1.54 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.55 1.52 -0.53	20.94 1.82 -2.28	29.72 2.18 -7.38	31.13 2.36 -7.10	29.73 2.33 -6.59	27.10 2.33 -3.78	28.48 2.40 -4.26	30.55 2.41 -6.05	29.90 2.37 -5.98	29.44 2.29 -7.07	29.44 2.29 -7.03	29.38 2.26 -7.29	28.79 2.36 -6.42	32.38 2.81 -5.38	33.08 3.07 -3.80	29.47 2.82 -2.58	28.16 2.57 -2.87	26.50 2.13 -4.70	20.29 1.99 -0.04	19.67 1.85 0.00



BRISTLHL_115KV_TB1 79998	16.72 -0.29 -0.05	15.23 -0.26 -0.08	13.99 -0.24 -0.18	14.82 -0.26 -0.06	15.31 -0.25 -0.05	16.56 -0.29 0.00	19.82 -0.34 0.00	21.36 -0.37 -0.05	20.61 -0.35 -0.16	20.64 -0.36 -0.01	21.47 -0.35 0.00	21.74 -0.38 -0.02	21.18 -0.37 0.00	19.68 -0.40 0.00	19.77 -0.38 -0.03	19.74 -0.36 -0.27	19.92 -0.38 -0.29	23.95 -0.44 -0.19	26.03 -0.47 -0.29	23.77 -0.46 -0.16	22.32 -0.41 0.00	19.44 -0.24 0.00	18.04 -0.22 0.00	17.68 -0.14 0.00
BROOKHAVEN___DRP 24191	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.41 -1.81	17.04 1.44 -0.58	17.52 1.49 -0.53	20.94 1.82 -2.28	29.74 2.20 -7.38	31.11 2.34 -7.10	29.54 2.14 -6.59	26.86 2.10 -3.78	28.20 2.12 -4.26	30.24 2.10 -6.05	29.57 2.05 -5.98	29.12 1.97 -7.07	29.14 1.99 -7.03	29.08 1.96 -7.29	28.53 2.10 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.30 1.93 -4.69	20.20 1.90 -0.04	19.53 1.71 0.00
BROOKLYN_NAVY_YARD 23515	18.80 1.31 -0.54	17.33 1.14 -0.77	16.92 1.05 -1.81	16.71 1.11 -0.58	17.16 1.13 -0.53	18.10 1.25 0.00	21.63 1.47 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.89 1.81 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.33 1.82 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.62 2.46 -2.94	27.94 2.29 -1.58	24.75 2.02 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.16 1.34 0.00
BROOKLYN___ARMY_DRP 323595	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
BROOKVLE_69_KV_TB1 55790	19.17 1.68 -0.54	17.64 1.45 -0.77	17.20 1.33 -1.81	16.98 1.38 -0.58	17.46 1.43 -0.53	20.81 1.68 -2.28	29.54 2.00 -7.38	31.00 2.23 -7.10	29.64 2.23 -6.60	27.04 2.27 -3.79	28.49 2.40 -4.27	30.62 2.47 -6.05	29.99 2.46 -5.99	29.50 2.35 -7.07	29.48 2.33 -7.03	29.41 2.28 -7.31	28.80 2.36 -6.43	32.38 2.81 -5.38	33.05 3.04 -3.80	29.45 2.79 -2.58	28.12 2.52 -2.87	26.49 2.07 -4.74	20.22 1.92 -0.04	19.60 1.78 0.00
BROOME_2_LFGE 323671	17.25 0.10 -0.19	15.78 0.09 -0.27	14.78 0.10 -0.63	15.33 0.11 -0.20	15.78 0.09 -0.18	17.10 0.25 0.00	20.49 0.32 0.00	21.97 0.11 -0.18	21.46 0.10 -0.54	21.23 0.21 -0.03	22.04 0.22 0.00	22.28 0.11 -0.07	21.74 0.19 0.00	20.33 0.24 0.00	20.33 0.10 -0.11	20.85 0.10 -0.93	21.14 0.12 -1.01	25.03 0.19 -0.64	27.43 0.21 -1.01	24.80 0.19 -0.54	23.09 0.36 0.00	20.03 0.35 0.00	18.56 0.29 0.00	18.23 0.41 0.00
BROOME___LFGE 323600	17.25 0.10 -0.19	15.78 0.09 -0.27	14.78 0.10 -0.63	15.33 0.11 -0.20	15.78 0.09 -0.18	17.10 0.25 0.00	20.49 0.32 0.00	21.97 0.11 -0.18	21.46 0.10 -0.54	21.23 0.21 -0.03	22.04 0.22 0.00	22.28 0.11 -0.07	21.74 0.19 0.00	20.33 0.24 0.00	20.33 0.10 -0.11	20.85 0.10 -0.93	21.14 0.12 -1.01	25.03 0.19 -0.64	27.43 0.21 -1.01	24.80 0.19 -0.54	23.09 0.36 0.00	20.03 0.35 0.00	18.56 0.29 0.00	18.23 0.41 0.00
BROWNFLS_115KV_TB_3_5 80003	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.50 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.56 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.66 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84
BROWNSV1_27_KV_LOAD 356125	18.97 1.48 -0.54	17.49 1.29 -0.77	17.06 1.19 -1.81	16.86 1.26 -0.58	17.32 1.29 -0.53	18.26 1.42 0.00	21.84 1.67 0.00	24.13 1.93 -0.53	24.35 1.98 -1.56	23.10 2.01 -0.10	23.91 2.09 0.00	24.44 2.14 -0.21	23.68 2.13 0.00	22.15 2.07 0.00	22.51 2.07 -0.32	24.53 2.02 -2.68	25.10 2.14 -2.95	28.59 2.52 -1.88	31.91 2.75 -2.94	28.18 2.53 -1.58	24.95 2.23 0.00	21.53 1.85 0.00	20.00 1.74 0.00	19.37 1.55 0.00
BURROWS___LYONSDAL 23803	16.09 0.15 1.03	14.62 0.12 0.92	13.35 0.10 0.80	14.20 0.09 0.91	14.69 0.12 0.94	15.98 0.17 1.04	19.60 0.32 0.88	20.71 0.33 1.29	19.56 0.35 1.61	19.41 0.36 1.94	20.30 0.39 1.91	21.62 0.42 0.90	20.94 0.43 1.03	18.85 0.38 1.62	19.00 0.40 1.53	18.42 0.38 1.78	18.88 0.36 1.49	23.80 0.56 0.95	25.83 0.66 1.03	23.70 0.58 0.95	22.47 0.57 0.82	19.73 0.45 0.40	18.37 0.35 0.25	17.48 0.36 0.69
CAITHNESS_CC_1 323624	19.19 1.70 -0.54	17.67 1.48 -0.77	17.24 1.38 -1.81	17.01 1.41 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.68 2.14 -7.38	31.09 2.32 -7.10	29.52 2.12 -6.59	26.84 2.08 -3.78	28.17 2.09 -4.26	30.22 2.08 -6.05	29.55 2.02 -5.98	29.12 1.97 -7.07	29.12 1.97 -7.03	29.08 1.96 -7.29	28.51 2.08 -6.42	32.12 2.54 -5.38	32.84 2.83 -3.80	29.28 2.62 -2.58	28.03 2.43 -2.87	26.30 1.93 -4.69	20.18 1.88 -0.04	19.53 1.71 0.00
CALPINE BETH_PAGE_GT4 24209	19.17 1.68 -0.54	17.64 1.45 -0.77	17.18 1.32 -1.81	16.98 1.38 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.46 1.92 -7.38	30.89 2.12 -7.10	29.51 2.10 -6.59	26.91 2.14 -3.79	28.33 2.25 -4.27	30.44 2.30 -6.05	29.80 2.26 -5.99	29.34 2.19 -7.07	29.34 2.19 -7.03	29.27 2.14 -7.30	28.66 2.22 -6.43	32.24 2.66 -5.38	32.90 2.88 -3.80	29.30 2.65 -2.58	28.01 2.41 -2.87	26.41 2.01 -4.73	20.20 1.90 -0.04	19.57 1.75 0.00
CALPINE_BETH_PAGE_GT_4 323586	19.17 1.68 -0.54	17.64 1.45 -0.78	17.18 1.32 -1.81	16.98 1.38 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.46 1.92 -7.38	30.90 2.13 -7.10	29.51 2.10 -6.59	26.92 2.14 -3.79	28.34 2.25 -4.27	30.44 2.30 -6.05	29.80 2.26 -5.99	29.34 2.19 -7.07	29.34 2.19 -7.03	29.27 2.14 -7.30	28.66 2.22 -6.43	32.24 2.66 -5.38	32.90 2.88 -3.80	29.30 2.65 -2.58	28.01 2.41 -2.87	26.42 2.01 -4.73	20.20 1.90 -0.04	19.57 1.75 0.00
CALPINE_BP_GT1 23823	19.17 1.68 -0.54	17.64 1.45 -0.78	17.18 1.32 -1.81	16.98 1.38 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.46 1.92 -7.38	30.90 2.13 -7.10	29.51 2.10 -6.59	26.92 2.14 -3.79	28.34 2.25 -4.27	30.44 2.30 -6.05	29.80 2.26 -5.99	29.34 2.19 -7.07	29.34 2.19 -7.03	29.27 2.14 -7.30	28.66 2.22 -6.43	32.24 2.66 -5.38	32.90 2.88 -3.80	29.30 2.65 -2.58	28.01 2.41 -2.87	26.42 2.01 -4.73	20.20 1.90 -0.04	19.57 1.75 0.00
CALSPAN___DRP 24200	15.84 -1.20 -0.09	14.51 -1.03 -0.13	13.46 -0.90 -0.31	14.16 -0.96 -0.10	14.51 -1.09 -0.09	15.92 -0.93 0.00	19.09 -1.07 0.00	19.83 -1.93 -0.09	19.04 -2.04 -0.26	19.18 -1.83 -0.02	19.94 -1.88 0.00	19.92 -2.21 -0.03	19.45 -2.09 0.00	18.38 -1.71 0.00	18.18 -1.99 -0.05	18.31 -1.96 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.59 -0.49	22.00 -2.33 -0.26	20.91 -1.82 0.00	18.32 -1.36 0.00	17.06 -1.21 0.00	17.07 -0.75 0.00



CALVERTON___SOLAR 323806	19.24 1.75 -0.54	17.73 1.54 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.98 1.85 -2.28	29.78 2.24 -7.38	31.20 2.43 -7.10	29.58 2.18 -6.59	26.88 2.12 -3.78	28.22 2.14 -4.26	30.29 2.14 -6.05	29.60 2.07 -5.98	29.16 2.01 -7.07	29.16 2.01 -7.03	29.12 2.00 -7.29	28.57 2.14 -6.42	32.19 2.61 -5.38	32.92 2.91 -3.80	29.35 2.70 -2.58	28.10 2.50 -2.87	26.34 1.97 -4.69	20.22 1.92 -0.04	19.58 1.76 0.00
CANDIGU_WT_PWR 323617	16.85 -0.25 -0.14	15.38 -0.25 -0.21	14.32 -0.23 -0.49	14.92 -0.26 -0.16	15.35 -0.29 -0.14	16.77 -0.08 0.00	20.10 -0.06 0.00	21.32 -0.50 -0.14	20.71 -0.52 -0.42	20.72 -0.29 -0.03	21.53 -0.28 0.00	21.60 -0.55 -0.06	21.18 -0.37 0.00	19.95 -0.14 0.00	19.81 -0.40 -0.09	20.11 -0.44 -0.73	20.36 -0.44 -0.79	24.24 -0.46 -0.50	26.47 -0.52 -0.79	24.01 -0.48 -0.42	22.61 -0.11 0.00	19.64 -0.04 0.00	18.17 -0.09 0.00	17.93 0.11 0.00
CARR STREET_E_SYR 24060	16.85 -0.17 -0.06	15.36 -0.14 -0.09	14.13 -0.13 -0.20	14.95 -0.14 -0.06	15.42 -0.14 -0.06	16.71 -0.14 0.00	20.00 -0.16 0.00	21.54 -0.20 -0.06	20.80 -0.19 -0.17	20.81 -0.19 -0.01	21.64 -0.18 0.00	21.92 -0.20 -0.02	21.35 -0.19 0.00	19.86 -0.22 0.00	19.94 -0.22 -0.04	19.91 -0.22 -0.30	20.10 -0.24 -0.33	24.14 -0.27 -0.21	26.25 -0.29 -0.33	23.96 -0.29 -0.18	22.50 -0.23 0.00	19.58 -0.10 0.00	18.17 -0.09 0.00	17.82 0.00 0.00
CARTHAGE___PAPER 23857	14.52 -0.34 2.10	13.18 -0.34 1.90	12.04 -0.34 1.67	12.80 -0.36 1.86	13.24 -0.34 1.92	14.38 -0.35 2.12	18.09 -0.26 1.81	18.78 -0.26 2.64	17.25 -0.25 3.31	16.76 -0.27 3.96	17.62 -0.26 3.94	19.79 -0.26 2.04	19.00 -0.26 2.29	16.54 -0.24 3.31	16.75 -0.22 3.15	15.93 -0.22 3.68	16.71 -0.18 3.12	21.96 -0.05 2.19	23.84 0.03 2.39	21.86 -0.02 2.19	20.84 0.00 1.88	18.58 -0.06 1.04	17.42 -0.13 0.72	16.08 -0.14 1.59
CASSADAGA_WT_PWR 323784	15.63 -1.42 -0.10	14.17 -1.39 -0.14	13.14 -1.24 -0.32	13.92 -1.20 -0.10	14.12 -1.47 -0.10	15.69 -1.16 0.00	18.99 -1.17 0.00	19.36 -2.41 -0.09	18.64 -2.46 -0.28	18.99 -2.01 -0.02	19.72 -2.09 0.00	19.59 -2.54 -0.04	19.24 -2.30 0.00	18.24 -1.85 0.00	17.68 -2.50 -0.06	17.81 -2.50 -0.48	17.99 -2.54 -0.52	21.43 -3.10 -0.33	23.38 -3.36 -0.52	21.32 -3.03 -0.28	20.47 -2.25 0.00	17.91 -1.77 0.00	16.62 -1.64 0.00	16.93 -0.89 0.00
CE_DUNWOOD___DRP 24194	18.73 1.24 -0.53	17.30 1.11 -0.77	16.87 1.01 -1.81	16.68 1.08 -0.58	17.13 1.10 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.85 1.65 -0.53	24.03 1.67 -1.55	22.78 1.70 -0.10	23.59 1.77 0.00	24.11 1.81 -0.21	23.33 1.79 0.00	21.81 1.73 0.00	22.17 1.73 -0.31	24.20 1.70 -2.67	24.73 1.78 -2.94	28.17 2.10 -1.87	31.42 2.28 -2.93	27.76 2.12 -1.57	24.61 1.89 0.00	21.21 1.53 0.00	19.69 1.42 0.00	19.10 1.28 0.00
CE_MILLWOOD___DRP 24193	18.71 1.22 -0.53	17.26 1.08 -0.77	16.84 1.00 -1.79	16.64 1.05 -0.57	17.10 1.07 -0.53	18.06 1.21 0.00	21.60 1.43 0.00	23.80 1.60 -0.52	23.98 1.62 -1.54	22.72 1.64 -0.10	23.52 1.70 0.00	24.04 1.75 -0.20	23.27 1.72 0.00	21.77 1.69 0.00	22.11 1.67 -0.31	24.12 1.65 -2.65	24.67 1.74 -2.92	28.11 2.06 -1.86	31.35 2.23 -2.91	27.68 2.05 -1.56	24.57 1.84 0.00	21.17 1.50 0.00	19.65 1.39 0.00	19.07 1.25 0.00
CE_NYC2_DRP 24202	18.92 1.42 -0.54	17.45 1.26 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.20 1.35 0.00	21.68 1.51 0.00	23.98 1.78 -0.53	24.18 1.81 -1.56	22.95 1.87 -0.10	23.76 1.94 0.00	24.92 1.99 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.39 1.95 -0.32	24.37 1.86 -2.68	24.92 1.96 -2.95	28.35 2.27 -1.88	31.70 2.49 -3.00	27.94 2.29 -1.58	26.13 1.98 -1.43	22.02 1.65 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
CE_NYC_DRP 24195	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.94 1.73 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.64 2.49 -2.94	27.94 2.29 -1.58	24.75 2.02 0.00	21.33 1.65 0.00	19.83 1.57 0.00	19.21 1.39 0.00
CHAFFEE___LFGE 323603	15.80 -1.25 -0.09	14.47 -1.08 -0.14	13.43 -0.94 -0.32	14.11 -1.01 -0.10	14.46 -1.13 -0.09	15.96 -0.89 0.00	19.14 -1.03 0.00	19.79 -1.97 -0.09	18.98 -2.10 -0.27	19.24 -1.76 -0.02	20.01 -1.81 0.00	19.92 -2.21 -0.04	19.50 -2.05 0.00	18.46 -1.63 0.00	18.09 -2.09 -0.06	18.31 -1.98 -0.47	18.50 -2.02 -0.51	22.08 -2.44 -0.33	24.07 -2.65 -0.51	21.96 -2.38 -0.27	20.98 -1.75 0.00	18.38 -1.30 0.00	17.11 -1.15 0.00	17.18 -0.64 0.00
CHATEAUG_35_KV_LOAD 355732	7.01 -0.73 9.22	6.34 -0.69 8.39	5.76 -0.65 7.64	6.19 -0.66 8.17	6.44 -0.64 8.42	7.00 -0.69 9.16	11.53 -0.83 7.81	9.25 -0.91 11.52	5.03 -1.12 14.66	2.59 -1.28 17.12	-0.16 -1.44 20.53	-7.89 -1.39 28.59	-7.77 -1.38 27.94	4.48 -1.31 14.30	3.06 -1.29 15.77	2.01 -1.31 16.51	4.56 -1.26 14.18	-7.91 -1.60 30.51	-7.90 -1.73 32.38	-7.88 -1.56 30.39	-7.94 -1.52 29.15	-8.09 -1.34 26.44	-8.13 -1.24 25.15	-7.81 -1.25 24.38
CHATEAUG_WT_PWR 323614	6.86 -0.71 9.39	6.18 -0.69 8.55	5.63 -0.63 7.79	6.05 -0.65 8.33	6.28 -0.64 8.58	6.83 -0.69 9.33	11.38 -0.83 7.96	9.00 -0.93 11.74	4.71 -1.17 14.94	2.20 -1.34 17.45	-0.35 -1.51 20.66	-7.03 -1.46 27.66	-7.00 -1.42 27.12	4.19 -1.33 14.57	2.90 -1.31 15.92	1.65 -1.35 16.82	4.23 -1.32 14.45	-7.05 -1.69 29.55	-7.05 -1.86 31.41	-7.05 -1.69 29.44	-7.02 -1.61 28.14	-7.04 -1.42 25.30	-7.04 -1.32 23.99	-7.06 -1.34 23.54
CHAT_HIGH_FALL_HYD 323578	7.01 -0.73 9.22	6.34 -0.69 8.39	5.76 -0.65 7.64	6.19 -0.66 8.17	6.44 -0.64 8.42	7.00 -0.69 9.16	11.53 -0.83 7.81	9.25 -0.91 11.52	5.03 -1.12 14.66	2.59 -1.28 17.12	-0.16 -1.44 20.53	-7.89 -1.39 28.59	-7.77 -1.38 27.94	4.48 -1.31 14.30	3.06 -1.29 15.77	2.01 -1.31 16.51	4.56 -1.26 14.18	-7.91 -1.60 30.51	-7.90 -1.73 32.38	-7.88 -1.56 30.39	-7.94 -1.52 29.15	-8.09 -1.34 26.44	-8.13 -1.24 25.15	-7.81 -1.25 24.38
CHAUTAUQUA___LFGE 323629	15.86 -1.19 -0.09	14.49 -1.06 -0.14	13.43 -0.94 -0.32	14.16 -0.96 -0.10	14.48 -1.12 -0.09	15.96 -0.89 0.00	19.20 -0.97 0.00	19.84 -1.93 -0.09	19.07 -2.02 -0.27	19.28 -1.72 -0.02	20.03 -1.79 0.00	19.99 -2.14 -0.04	19.56 -1.98 0.00	18.52 -1.57 0.00	18.13 -2.05 -0.06	18.31 -1.98 -0.47	18.52 -2.00 -0.51	22.10 -2.42 -0.32	24.10 -2.62 -0.51	21.99 -2.36 -0.27	20.98 -1.75 0.00	18.36 -1.32 0.00	17.06 -1.21 0.00	17.19 -0.62 0.00
CHERRYST_13_KV_LD 356241	18.85 1.36 -0.54	17.39 1.20 -0.77	16.97 1.11 -1.81	16.77 1.17 -0.58	17.23 1.19 -0.53	18.16 1.31 0.00	21.72 1.55 0.00	24.00 1.80 -0.53	24.22 1.85 -1.56	22.97 1.89 -0.10	23.78 1.96 0.00	24.31 2.01 -0.21	23.55 2.00 0.00	22.03 1.95 0.00	22.41 1.97 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.42 2.35 -1.88	31.72 2.57 -2.94	28.01 2.36 -1.58	24.79 2.07 0.00	21.39 1.71 0.00	19.89 1.63 0.00	19.26 1.44 0.00



CHESTROR_138KV_BK263 355645	18.46 1.00 -0.50	17.03 0.89 -0.72	16.56 0.81 -1.69	16.43 0.87 -0.54	16.90 0.90 -0.50	17.86 1.01 0.00	21.35 1.19 0.00	23.47 1.30 -0.49	23.58 1.31 -1.46	22.40 1.32 -0.09	23.17 1.35 0.00	23.68 1.39 -0.19	22.92 1.38 0.00	21.43 1.35 0.00	21.75 1.33 -0.29	23.66 1.33 -2.50	24.16 1.40 -2.75	27.59 1.65 -1.75	30.77 1.81 -2.75	27.20 1.66 -1.47	24.22 1.50 0.00	20.90 1.22 0.00	19.38 1.11 0.00	18.83 1.02 0.00
CH_MIDHUDSON___DRP 24192	18.65 1.14 -0.55	17.23 1.02 -0.80	16.84 0.93 -1.86	16.61 0.99 -0.60	17.07 1.02 -0.55	17.99 1.15 0.00	21.53 1.37 0.00	23.69 1.47 -0.54	23.85 1.44 -1.60	22.56 1.47 -0.10	23.32 1.51 0.00	23.85 1.55 -0.21	23.07 1.53 0.00	21.57 1.49 0.00	21.92 1.47 -0.32	24.05 1.47 -2.76	24.56 1.52 -3.03	27.94 1.81 -1.93	31.23 1.99 -3.02	27.50 1.81 -1.62	24.38 1.66 0.00	21.00 1.32 0.00	19.47 1.21 0.00	18.94 1.12 0.00
CH_MISC_IPPS 23765	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.61 1.53 0.00	21.95 1.51 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00
CH_RES_BVR_FALLS 23983	1.56 -0.66 14.74	1.42 -0.59 13.41	1.29 -0.53 12.23	1.37 -0.59 13.07	1.42 -0.60 13.47	1.55 -0.66 14.64	6.87 -0.81 12.48	2.41 -0.85 18.42	-3.39 -0.75 23.45	-7.17 -0.78 27.38	-7.09 -0.78 28.13	2.02 -0.79 19.29	0.27 -0.77 20.50	-3.50 -0.72 22.87	-3.02 -0.72 22.42	-7.27 -0.69 26.40	-3.38 -0.70 22.68	2.16 -0.85 21.18	2.11 -0.89 23.21	2.18 -0.84 21.05	3.43 -0.82 18.48	6.07 -0.71 12.90	6.88 -0.68 10.71	1.59 -0.68 15.55
CH_RES_NIAGARA 23895	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.67 -2.39 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.65 -2.43 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.50 -1.32 0.00
CH_RES_SYRACUSE 23985	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.04 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.06 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.99 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
CLINTON_WT_PWR 323605	6.86 -0.71 9.39	6.18 -0.69 8.55	5.63 -0.63 7.79	6.05 -0.65 8.33	6.28 -0.64 8.58	6.83 -0.69 9.33	11.38 -0.83 7.96	9.00 -0.93 11.74	4.71 -1.17 14.94	2.20 -1.34 17.45	-0.35 -1.51 20.66	-7.03 -1.46 27.66	-7.00 -1.42 27.12	4.19 -1.33 14.57	2.90 -1.31 15.92	1.65 -1.35 16.82	4.23 -1.32 14.45	-7.05 -1.69 29.55	-7.05 -1.86 31.41	-7.05 -1.69 29.44	-7.02 -1.61 28.14	-7.04 -1.42 25.30	-7.04 -1.32 23.99	-7.06 -1.34 23.54
CLINTON___LFGE 323618	7.09 -0.53 9.35	6.39 -0.52 8.50	5.81 -0.49 7.75	6.24 -0.50 8.29	6.49 -0.46 8.54	7.07 -0.49 9.29	11.66 -0.59 7.92	9.34 -0.65 11.68	5.03 -0.92 14.87	2.56 -1.07 17.36	0.01 -1.18 20.63	-6.87 -1.06 27.90	-6.85 -1.06 27.34	4.48 -1.10 14.50	3.16 -1.09 15.88	1.97 -1.11 16.74	4.58 -1.04 14.38	-6.82 -1.21 29.80	-6.78 -1.34 31.66	-6.82 -1.20 29.69	-6.86 -1.18 28.40	-6.94 -1.02 25.60	-7.00 -0.97 24.29	-6.90 -0.96 23.76
COBBLENY_34_KV_TB1 80064	15.80 -1.25 -0.09	14.47 -1.08 -0.14	13.43 -0.94 -0.32	14.11 -1.01 -0.10	14.48 -1.12 -0.09	15.96 -0.89 0.00	19.14 -1.03 0.00	19.79 -1.97 -0.09	18.98 -2.10 -0.27	19.24 -1.76 -0.02	20.01 -1.81 0.00	19.92 -2.21 -0.04	19.50 -2.05 0.00	18.44 -1.65 0.00	18.17 -2.01 -0.06	18.31 -1.98 -0.47	18.50 -2.02 -0.51	22.08 -2.44 -0.33	24.07 -2.65 -0.51	21.96 -2.38 -0.27	20.97 -1.75 0.00	18.38 -1.30 0.00	17.11 -1.15 0.00	17.12 -0.69 0.00
COFFEEN___115KV_TB3 355620	15.09 -0.14 1.73	13.69 -0.17 1.56	12.52 -0.18 1.35	13.30 -0.20 1.53	13.77 -0.16 1.58	14.94 -0.15 1.75	18.69 0.02 1.49	19.50 0.00 2.17	18.12 0.02 2.71	17.72 0.00 3.27	18.58 0.02 3.26	20.40 -0.02 1.68	19.65 0.00 1.89	17.33 -0.02 2.74	17.55 0.02 2.60	16.87 0.04 2.99	17.56 0.08 2.53	22.76 0.34 1.77	24.76 0.47 1.92	22.71 0.41 1.77	21.60 0.43 1.55	19.14 0.31 0.86	17.82 0.15 0.59	16.68 0.18 1.31
COLDSPRG_115KV_BK1 355956	15.91 -1.15 -0.10	14.50 -1.06 -0.14	13.45 -0.94 -0.34	14.17 -0.96 -0.11	14.48 -1.12 -0.10	16.36 -0.49 0.00	19.64 -0.52 0.00	19.82 -1.95 -0.10	19.11 -2.00 -0.29	19.79 -1.22 -0.02	20.55 -1.27 0.00	20.26 -1.88 -0.04	20.08 -1.46 0.00	19.10 -0.98 0.00	18.33 -1.85 -0.06	18.46 -1.86 -0.50	18.65 -1.90 -0.55	22.24 -2.30 -0.35	24.29 -2.46 -0.54	22.15 -2.21 -0.29	21.61 -1.11 0.00	18.89 -0.79 0.00	17.53 -0.73 0.00	17.61 -0.21 0.00
COLONIE_LFGE___ 323577	18.53 0.90 -0.67	17.21 0.83 -0.97	17.07 0.76 -2.26	16.55 0.81 -0.72	17.00 0.84 -0.66	17.76 0.91 0.00	21.25 1.09 0.00	23.48 1.15 -0.66	23.86 1.10 -1.95	22.24 1.13 -0.12	23.00 1.18 0.00	23.50 1.15 -0.26	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.22 1.05 -3.35	24.73 1.04 -3.68	27.80 1.26 -2.35	31.27 1.39 -3.67	27.29 1.25 -1.97	23.95 1.23 0.00	20.62 0.94 0.00	19.12 0.86 0.00	18.64 0.82 0.00
COOPERNY_115KV_TB1 80082	18.13 0.76 -0.41	16.68 0.68 -0.59	16.06 0.63 -1.38	16.14 0.68 -0.44	16.59 0.68 -0.41	17.62 0.78 0.00	21.09 0.93 0.00	23.10 1.02 -0.40	23.02 1.02 -1.19	22.09 1.03 -0.07	22.89 1.07 0.00	23.34 1.08 -0.16	22.62 1.08 0.00	21.13 1.04 0.00	21.41 1.05 -0.24	22.90 1.03 -2.04	23.34 1.08 -2.25	26.91 1.28 -1.43	29.87 1.42 -2.24	26.57 1.30 -1.20	23.93 1.20 0.00	20.66 0.98 0.00	19.16 0.89 0.00	18.66 0.84 0.00
COPENHAGEN_WT_PWR 323753	15.07 -0.25 1.63	13.69 -0.26 1.47	12.52 -0.27 1.26	13.29 -0.29 1.44	13.75 -0.26 1.49	14.92 -0.27 1.66	18.59 -0.16 1.41	19.45 -0.17 2.05	18.12 -0.14 2.55	17.71 -0.19 3.09	18.57 -0.18 3.08	20.31 -0.20 1.58	19.59 -0.17 1.78	17.32 -0.18 2.58	17.51 -0.16 2.45	16.88 -0.14 2.81	17.54 -0.10 2.37	22.61 0.07 1.66	24.57 0.16 1.79	22.50 0.10 1.66	21.40 0.14 1.47	18.95 0.08 0.81	17.69 -0.02 0.56	16.58 0.00 1.24
CORNELL_____ 23752	17.45 0.36 -0.14	15.92 0.31 -0.20	14.79 0.28 -0.46	15.47 0.30 -0.15	15.96 0.33 -0.13	17.29 0.44 0.00	20.75 0.58 0.00	22.33 0.52 -0.13	21.69 0.48 -0.39	21.56 0.55 -0.02	22.39 0.57 0.00	22.63 0.49 -0.05	22.08 0.54 0.00	20.61 0.52 0.00	20.67 0.46 -0.08	20.98 0.48 -0.68	21.23 0.50 -0.72	25.38 0.73 -0.46	27.72 0.79 -0.72	25.16 0.70 -0.39	23.50 0.77 0.00	20.39 0.71 0.00	18.85 0.58 0.00	18.50 0.68 0.00



CORONA_69_KV_TB1 355595	19.12 1.63 -0.54	17.61 1.42 -0.77	17.15 1.29 -1.81	16.95 1.35 -0.58	17.43 1.40 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.58 2.14 -6.63	26.97 2.16 -3.82	28.41 2.29 -4.30	30.48 2.34 -6.05	29.87 2.31 -6.03	29.38 2.23 -7.07	29.36 2.21 -7.03	29.33 2.14 -7.36	28.69 2.22 -6.46	32.26 2.69 -5.38	32.92 2.91 -3.80	29.35 2.70 -2.58	28.03 2.43 -2.87	26.54 1.97 -4.89	20.16 1.86 -0.04	19.53 1.71 0.00
CORTLAND_115KV_TB3 80093	17.28 0.20 -0.12	15.77 0.18 -0.17	14.63 0.17 -0.41	15.33 0.18 -0.13	15.81 0.19 -0.12	17.14 0.29 0.00	20.53 0.36 0.00	22.10 0.30 -0.12	21.43 0.27 -0.35	21.35 0.34 -0.02	22.17 0.35 0.00	22.43 0.29 -0.05	21.87 0.32 0.00	20.41 0.32 0.00	20.46 0.26 -0.07	20.69 0.26 -0.60	20.94 0.34 -0.59	25.03 0.46 -0.38	27.32 0.52 -0.59	24.84 0.46 -0.32	23.25 0.52 0.00	20.17 0.49 0.00	18.68 0.42 0.00	18.32 0.50 0.00
COXSACKIE__GT 23611	18.79 1.20 -0.62	17.38 1.06 -0.90	17.13 0.97 -2.11	16.76 1.07 -0.68	17.24 1.12 -0.62	18.20 1.35 0.00	21.80 1.63 0.00	23.46 1.17 -0.62	23.61 0.98 -1.82	22.25 1.15 -0.11	22.87 1.05 0.00	23.42 1.08 -0.24	22.60 1.06 0.00	21.11 1.02 0.00	21.36 0.86 -0.37	23.88 0.93 -3.13	24.55 1.10 -3.44	27.91 1.53 -2.19	31.34 1.70 -3.43	27.26 1.35 -1.84	24.20 1.48 0.00	20.84 1.16 0.00	19.25 0.99 0.00	18.76 0.94 0.00
CPV_VALLEY__CC1 323721	18.29 0.86 -0.47	16.86 0.77 -0.68	16.35 0.72 -1.58	16.28 0.75 -0.51	16.74 0.77 -0.46	17.72 0.88 0.00	21.21 1.05 0.00	23.28 1.15 -0.46	23.34 1.16 -1.36	22.25 1.17 -0.08	23.02 1.20 0.00	23.51 1.24 -0.18	22.77 1.23 0.00	21.29 1.21 0.00	21.59 1.19 -0.28	23.34 1.17 -2.34	23.82 1.24 -2.57	27.29 1.45 -1.64	30.38 1.60 -2.57	26.92 1.47 -1.38	24.06 1.34 0.00	20.74 1.06 0.00	19.25 0.99 0.00	18.69 0.87 0.00
CPV_VALLEY__CC2 323722	18.29 0.86 -0.47	16.86 0.77 -0.68	16.35 0.72 -1.58	16.28 0.75 -0.51	16.74 0.77 -0.46	17.72 0.88 0.00	21.21 1.05 0.00	23.28 1.15 -0.46	23.34 1.16 -1.36	22.25 1.17 -0.08	23.02 1.20 0.00	23.51 1.24 -0.18	22.77 1.23 0.00	21.29 1.21 0.00	21.59 1.19 -0.28	23.34 1.17 -2.34	23.82 1.24 -2.57	27.29 1.45 -1.64	30.38 1.60 -2.57	26.92 1.47 -1.38	24.06 1.34 0.00	20.74 1.06 0.00	19.25 0.99 0.00	18.69 0.87 0.00
CRESCENT__HYD 24018	18.53 0.90 -0.67	17.21 0.83 -0.97	17.07 0.76 -2.26	16.55 0.81 -0.72	17.00 0.84 -0.66	17.76 0.91 0.00	21.25 1.09 0.00	23.48 1.15 -0.66	23.86 1.10 -1.95	22.24 1.13 -0.12	23.00 1.18 0.00	23.50 1.15 -0.26	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.22 1.05 -3.35	24.73 1.04 -3.68	27.80 1.26 -2.35	31.27 1.39 -3.67	27.29 1.25 -1.97	23.95 1.23 0.00	20.62 0.94 0.00	19.12 0.86 0.00	18.64 0.82 0.00
CRICKET__VALLEY_CC1 323756	18.61 1.09 -0.57	17.23 0.99 -0.82	16.89 0.91 -1.93	16.60 0.96 -0.62	17.06 0.99 -0.57	17.94 1.09 0.00	21.46 1.29 0.00	23.64 1.41 -0.56	23.87 1.39 -1.66	22.50 1.41 -0.10	23.28 1.46 0.00	23.80 1.48 -0.22	22.99 1.44 0.00	21.51 1.43 0.00	21.87 1.41 -0.34	24.06 1.39 -2.85	24.53 1.38 -3.14	27.84 1.65 -2.00	31.15 1.81 -3.13	27.43 1.68 -1.68	24.29 1.57 0.00	20.90 1.22 0.00	19.40 1.13 0.00	18.87 1.05 0.00
CRICKET__VALLEY_CC2 323757	18.61 1.09 -0.57	17.23 0.99 -0.82	16.89 0.91 -1.93	16.60 0.96 -0.62	17.06 0.99 -0.57	17.94 1.09 0.00	21.46 1.29 0.00	23.64 1.41 -0.56	23.87 1.39 -1.66	22.50 1.41 -0.10	23.28 1.46 0.00	23.80 1.48 -0.22	22.99 1.44 0.00	21.51 1.43 0.00	21.87 1.41 -0.34	24.06 1.39 -2.85	24.53 1.38 -3.14	27.84 1.65 -2.00	31.15 1.81 -3.13	27.43 1.68 -1.68	24.29 1.57 0.00	20.90 1.22 0.00	19.40 1.13 0.00	18.87 1.05 0.00
CRICKET__VALLEY_CC3 323758	18.61 1.09 -0.57	17.23 0.99 -0.82	16.89 0.91 -1.93	16.60 0.96 -0.62	17.06 0.99 -0.57	17.94 1.09 0.00	21.46 1.29 0.00	23.64 1.41 -0.56	23.87 1.39 -1.66	22.50 1.41 -0.10	23.28 1.46 0.00	23.80 1.48 -0.22	22.99 1.44 0.00	21.51 1.43 0.00	21.87 1.41 -0.34	24.06 1.39 -2.85	24.53 1.38 -3.14	27.84 1.65 -2.00	31.15 1.81 -3.13	27.43 1.68 -1.68	24.29 1.57 0.00	20.90 1.22 0.00	19.40 1.13 0.00	18.87 1.05 0.00
CRUCIBLE_METL_DRP 24180	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
DAHOWA__HYDRO 323763	18.64 1.00 -0.68	17.31 0.91 -0.98	17.18 0.83 -2.30	16.64 0.89 -0.73	17.11 0.93 -0.67	17.89 1.05 0.00	21.46 1.29 0.00	23.71 1.37 -0.67	24.12 1.33 -1.98	22.52 1.41 -0.12	23.28 1.46 0.00	23.79 1.44 -0.26	22.90 1.36 0.00	21.41 1.33 0.00	21.85 1.33 -0.40	24.49 1.27 -3.40	25.01 1.26 -3.74	28.17 1.60 -2.38	31.64 1.70 -3.73	27.54 1.47 -2.00	24.16 1.43 0.00	20.78 1.10 0.00	19.23 0.97 0.00	18.73 0.91 0.00
DANC__LFGE 323619	15.55 -0.32 1.08	14.14 -0.31 0.96	12.96 -0.30 0.79	13.75 -0.32 0.95	14.22 -0.29 0.99	15.41 -0.32 1.12	18.93 -0.28 0.95	20.00 -0.30 1.37	18.85 -0.29 1.67	18.59 -0.31 2.08	19.44 -0.31 2.08	20.71 -0.33 1.05	20.04 -0.30 1.20	18.02 -0.32 1.75	18.18 -0.30 1.65	17.74 -0.28 1.81	18.25 -0.26 1.50	22.95 -0.19 1.05	24.95 -0.16 1.10	22.84 -0.17 1.06	21.61 -0.14 0.98	19.04 -0.10 0.54	17.75 -0.15 0.37	16.88 -0.11 0.83
DANSKAMMER__1 23586	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.61 1.53 0.00	21.95 1.51 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00
DANSKAMMER__2 23589	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.61 1.53 0.00	21.95 1.51 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00
DANSKAMMER__3 23590	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.61 1.53 0.00	21.95 1.51 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00



DANSKAMMER___4 23591	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.61 1.53 0.00	21.95 1.51 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00
DANSKAMMER___DIESEL 23592	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.58	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.88 1.50 -1.57	22.62 1.53 -0.10	23.39 1.57 0.00	23.92 1.61 -0.21	23.12 1.57 0.00	21.63 1.55 0.00	21.97 1.53 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.97	28.00 1.91 -1.90	31.28 2.10 -2.97	27.56 1.90 -1.59	24.47 1.75 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.98 1.16 0.00
DARBY___SOLAR 323810	18.62 0.98 -0.68	17.27 0.88 -0.98	17.14 0.80 -2.29	16.61 0.86 -0.73	17.07 0.90 -0.67	17.86 1.01 0.00	21.39 1.23 0.00	23.66 1.32 -0.67	24.08 1.29 -1.97	22.45 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.86 1.31 0.00	21.35 1.27 0.00	21.79 1.27 -0.40	24.45 1.23 -3.39	24.96 1.22 -3.73	28.10 1.53 -2.38	31.56 1.63 -3.72	27.49 1.42 -2.00	24.11 1.39 0.00	20.74 1.06 0.00	19.20 0.93 0.00	18.71 0.89 0.00
DASHVILLE___HYD 23610	18.29 0.78 -0.56	16.91 0.69 -0.80	16.56 0.63 -1.88	16.30 0.68 -0.60	16.75 0.70 -0.55	17.93 1.08 0.00	21.45 1.29 0.00	23.28 1.06 -0.55	23.49 1.06 -1.62	22.43 1.34 -0.10	23.19 1.37 0.00	23.72 1.41 -0.21	22.92 1.38 0.00	21.43 1.35 0.00	21.66 1.21 -0.33	23.72 1.11 -2.78	24.25 1.18 -3.06	27.55 1.40 -1.95	30.81 1.55 -3.05	27.10 1.40 -1.63	24.27 1.55 0.00	20.90 1.22 0.00	19.40 1.13 0.00	18.85 1.03 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	19.38 1.88 -0.54	17.84 1.65 -0.77	17.39 1.53 -1.81	17.18 1.58 -0.58	17.66 1.63 -0.53	21.13 2.01 -2.28	29.96 2.42 -7.38	31.39 2.62 -7.10	29.75 2.35 -6.59	27.05 2.29 -3.78	28.44 2.36 -4.26	30.51 2.36 -6.05	29.83 2.31 -5.98	29.36 2.21 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.29	28.75 2.32 -6.42	32.41 2.83 -5.38	33.21 3.20 -3.80	29.59 2.94 -2.58	28.30 2.70 -2.87	26.50 2.13 -4.69	20.37 2.06 -0.04	19.71 1.89 0.00
DELAWARE___LFGE 323621	17.88 0.68 -0.24	16.38 0.62 -0.35	15.43 0.56 -0.81	15.88 0.60 -0.26	16.36 0.62 -0.24	17.61 0.76 0.00	21.11 0.95 0.00	22.86 0.95 -0.24	22.47 0.96 -0.70	22.04 1.01 -0.04	22.87 1.05 0.00	23.23 1.04 -0.09	22.58 1.03 0.00	21.09 1.00 0.00	21.23 0.97 -0.14	21.96 0.93 -1.20	22.31 0.98 -1.32	26.27 1.23 -0.84	28.89 1.36 -1.32	26.03 1.25 -0.71	23.95 1.23 0.00	20.68 1.00 0.00	19.16 0.89 0.00	18.71 0.89 0.00
DERFIELD_115KV_TB7 355931	17.64 0.20 -0.47	16.03 0.18 -0.43	14.61 0.17 -0.39	15.62 0.18 -0.42	16.12 0.19 -0.43	17.52 0.20 -0.47	20.81 0.24 -0.40	22.53 0.26 -0.59	21.82 0.25 -0.76	22.14 0.27 -0.88	23.01 0.28 -0.91	23.00 0.29 -0.62	22.48 0.28 -0.66	21.08 0.26 -0.74	21.11 0.26 -0.72	20.93 0.26 -0.85	21.00 0.26 -0.73	25.19 0.31 -0.68	27.30 0.34 -0.75	25.06 0.31 -0.68	23.62 0.30 -0.60	20.33 0.24 -0.42	18.83 0.22 -0.34	18.53 0.21 -0.50
DOGLEVILLE___HYD 23807	17.86 0.42 -0.47	16.23 0.39 -0.43	14.77 0.32 -0.39	15.74 0.30 -0.42	16.21 0.28 -0.43	17.61 0.29 -0.47	20.93 0.36 -0.40	22.66 0.39 -0.59	21.98 0.42 -0.76	22.25 0.38 -0.88	23.16 0.44 -0.91	23.18 0.46 -0.62	22.68 0.47 -0.66	21.26 0.44 -0.74	21.27 0.42 -0.72	21.09 0.42 -0.85	21.12 0.38 -0.73	25.31 0.44 -0.68	27.43 0.47 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.39 0.30 -0.42	18.90 0.29 -0.34	18.64 0.32 -0.50
DUNKIRK___115KV_TB_200 55889	15.90 -1.15 -0.09	14.52 -1.03 -0.13	13.47 -0.90 -0.32	14.19 -0.93 -0.10	14.52 -1.07 -0.09	15.99 -0.86 0.00	19.24 -0.93 0.00	19.88 -1.89 -0.09	19.11 -1.98 -0.27	19.33 -1.68 -0.02	20.07 -1.75 0.00	20.01 -2.12 -0.04	19.60 -1.94 0.00	18.54 -1.55 0.00	18.25 -1.93 -0.05	18.35 -1.94 -0.47	18.56 -1.96 -0.51	22.15 -2.37 -0.32	24.15 -2.57 -0.51	22.03 -2.31 -0.27	21.02 -1.70 0.00	18.40 -1.28 0.00	17.10 -1.17 0.00	17.18 -0.64 0.00
DUNKIRK___1 23563	15.90 -1.15 -0.09	14.52 -1.03 -0.13	13.47 -0.90 -0.32	14.19 -0.93 -0.10	14.52 -1.07 -0.09	15.99 -0.86 0.00	19.24 -0.93 0.00	19.88 -1.89 -0.09	19.11 -1.98 -0.27	19.33 -1.68 -0.02	20.07 -1.75 0.00	20.01 -2.12 -0.04	19.60 -1.94 0.00	18.54 -1.55 0.00	18.25 -1.93 -0.05	18.35 -1.94 -0.47	18.56 -1.96 -0.51	22.15 -2.37 -0.32	24.15 -2.57 -0.51	22.03 -2.31 -0.27	21.02 -1.70 0.00	18.40 -1.28 0.00	17.10 -1.17 0.00	17.18 -0.64 0.00
DUNKIRK___2 23564	15.90 -1.15 -0.09	14.52 -1.03 -0.13	13.47 -0.90 -0.32	14.19 -0.93 -0.10	14.52 -1.07 -0.09	15.99 -0.86 0.00	19.24 -0.93 0.00	19.88 -1.89 -0.09	19.11 -1.98 -0.27	19.33 -1.68 -0.02	20.07 -1.75 0.00	20.01 -2.12 -0.04	19.60 -1.94 0.00	18.54 -1.55 0.00	18.25 -1.93 -0.05	18.35 -1.94 -0.47	18.56 -1.96 -0.51	22.15 -2.37 -0.32	24.15 -2.57 -0.51	22.03 -2.31 -0.27	21.02 -1.70 0.00	18.40 -1.28 0.00	17.10 -1.17 0.00	17.18 -0.64 0.00
DUNKIRK___3 23565	15.90 -1.15 -0.09	14.52 -1.02 -0.13	13.48 -0.89 -0.31	14.19 -0.93 -0.10	14.54 -1.05 -0.09	16.01 -0.84 0.00	19.22 -0.95 0.00	19.90 -1.86 -0.09	19.11 -1.98 -0.27	19.33 -1.68 -0.02	20.07 -1.75 0.00	20.03 -2.10 -0.04	19.60 -1.94 0.00	18.54 -1.55 0.00	18.25 -1.93 -0.05	18.39 -1.90 -0.46	18.59 -1.92 -0.50	22.19 -2.32 -0.32	24.20 -2.52 -0.50	22.08 -2.26 -0.27	21.04 -1.68 0.00	18.44 -1.24 0.00	17.13 -1.13 0.00	17.18 -0.64 0.00
DUNKIRK___4 23566	15.90 -1.15 -0.09	14.53 -1.02 -0.13	13.48 -0.89 -0.31	14.19 -0.93 -0.10	14.54 -1.05 -0.09	16.01 -0.84 0.00	19.22 -0.95 0.00	19.90 -1.86 -0.09	19.11 -1.98 -0.27	19.33 -1.68 -0.02	20.07 -1.75 0.00	20.03 -2.10 -0.04	19.60 -1.94 0.00	18.54 -1.55 0.00	18.25 -1.93 -0.05	18.39 -1.90 -0.46	18.59 -1.92 -0.50	22.19 -2.32 -0.32	24.20 -2.52 -0.50	22.08 -2.26 -0.27	21.04 -1.68 0.00	18.44 -1.24 0.00	17.13 -1.13 0.00	17.18 -0.64 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	18.77 1.27 -0.54	17.32 1.13 -0.77	16.90 1.04 -1.81	16.70 1.10 -0.58	17.15 1.12 -0.53	18.11 1.26 0.00	21.66 1.49 0.00	23.89 1.69 -0.53	24.10 1.73 -1.56	22.83 1.74 -0.10	23.63 1.81 0.00	24.16 1.86 -0.21	23.37 1.83 0.00	21.87 1.79 0.00	22.23 1.79 -0.32	24.25 1.74 -2.68	24.80 1.84 -2.95	28.23 2.15 -1.88	31.51 2.36 -2.94	27.82 2.17 -1.58	24.68 1.95 0.00	21.27 1.59 0.00	19.74 1.48 0.00	19.16 1.34 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	18.55 1.07 -0.52	17.13 0.96 -0.76	16.69 0.87 -1.77	16.53 0.95 -0.57	16.98 0.96 -0.52	17.94 1.10 0.00	21.47 1.31 0.00	23.60 1.41 -0.52	23.73 1.39 -1.52	22.51 1.43 -0.09	23.26 1.44 0.00	23.80 1.50 -0.20	23.01 1.46 0.00	21.51 1.43 0.00	21.84 1.41 -0.31	23.86 1.41 -2.62	24.37 1.48 -2.88	27.80 1.77 -1.84	31.03 1.94 -2.88	27.37 1.76 -1.54	24.34 1.61 0.00	20.98 1.30 0.00	19.45 1.19 0.00	18.91 1.09 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	18.92 1.42 -0.54	17.45 1.26 -0.77	17.04 1.18 -1.81	16.86 1.26 -0.58	17.30 1.27 -0.53	18.18 1.33 0.00	21.55 1.39 0.00	23.85 1.65 -0.53	24.08 1.71 -1.56	22.85 1.76 -0.10	23.67 1.85 0.00	24.17 1.88 -0.20	23.41 1.87 0.01	21.88 1.81 0.01	22.29 1.85 -0.32	24.27 1.76 -2.68	24.84 1.88 -2.95	28.23 2.15 -1.88	31.50 2.36 -2.93	27.81 2.17 -1.58	24.58 1.86 0.01	21.24 1.55 -0.01	19.81 1.53 -0.01	19.26 1.44 0.00
E179THST_13_KV_LOAD 356214	18.97 1.48 -0.54	17.52 1.33 -0.77	17.09 1.22 -1.81	16.91 1.31 -0.58	17.35 1.32 -0.53	18.23 1.38 0.00	21.64 1.47 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.26 1.97 -0.20	23.50 1.96 0.01	21.99 1.91 0.01	22.39 1.95 -0.32	24.35 1.84 -2.68	24.94 1.98 -2.95	28.35 2.27 -1.88	31.64 2.49 -2.93	27.94 2.29 -1.58	24.69 1.98 0.01	21.34 1.65 -0.01	19.88 1.61 -0.01	19.33 1.51 0.00
EAST HAMPTON___GT 23717	19.36 1.87 -0.54	17.82 1.63 -0.77	17.38 1.52 -1.81	17.15 1.55 -0.58	17.65 1.61 -0.53	21.11 1.99 -2.28	29.94 2.40 -7.38	31.41 2.64 -7.10	29.75 2.35 -6.59	27.05 2.29 -3.78	28.46 2.38 -4.26	30.55 2.41 -6.05	29.85 2.33 -5.98	29.38 2.23 -7.07	29.40 2.25 -7.03	29.34 2.22 -7.29	28.79 2.36 -6.42	32.48 2.90 -5.38	33.26 3.25 -3.80	29.62 2.96 -2.58	28.32 2.73 -2.87	26.50 2.13 -4.69	20.35 2.05 -0.04	19.73 1.91 0.00
EAST RIVER___6 23660	18.78 1.29 -0.54	17.33 1.14 -0.77	16.92 1.05 -1.81	16.69 1.10 -0.58	17.15 1.12 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.89 1.81 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.69 2.54 -2.94	27.98 2.33 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.84 1.57 0.00	19.17 1.35 0.00
EAST RIVER___7 23524	18.78 1.29 -0.54	17.33 1.14 -0.77	16.92 1.05 -1.81	16.69 1.10 -0.58	17.15 1.12 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.89 1.81 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.69 2.54 -2.94	27.98 2.33 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.84 1.57 0.00	19.17 1.35 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	18.73 1.24 -0.53	17.30 1.11 -0.77	16.87 1.01 -1.81	16.68 1.08 -0.58	17.13 1.10 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.85 1.65 -0.53	24.03 1.67 -1.55	22.78 1.70 -0.10	23.59 1.77 0.00	24.11 1.81 -0.21	23.33 1.79 0.00	21.81 1.73 0.00	22.17 1.73 -0.31	24.20 1.70 -2.67	24.73 1.78 -2.94	28.17 2.10 -1.87	31.42 2.28 -2.93	27.76 2.12 -1.57	24.61 1.89 0.00	21.21 1.53 0.00	19.69 1.42 0.00	19.10 1.28 0.00
EAST_HAMPTON___DIESEL 23722	19.34 1.85 -0.54	17.81 1.62 -0.77	17.37 1.50 -1.81	17.13 1.53 -0.58	17.63 1.60 -0.53	21.10 1.97 -2.28	29.92 2.38 -7.38	31.39 2.62 -7.10	29.73 2.33 -6.59	27.03 2.27 -3.78	28.44 2.36 -4.26	30.53 2.39 -6.05	29.83 2.31 -5.98	29.36 2.21 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.29	28.77 2.34 -6.42	32.46 2.88 -5.38	33.21 3.20 -3.80	29.59 2.94 -2.58	28.30 2.70 -2.87	26.48 2.11 -4.69	20.33 2.03 -0.04	19.69 1.87 0.00
EAST_PULASKI___ESR 323781	16.10 -0.32 0.54	14.66 -0.29 0.46	13.46 -0.27 0.32	14.27 -0.29 0.47	14.74 -0.28 0.49	15.97 -0.30 0.58	19.35 -0.32 0.49	20.64 -0.35 0.68	19.69 -0.33 0.79	19.55 -0.36 1.08	20.35 -0.35 1.11	20.97 -0.38 0.75	20.36 -0.37 0.81	18.78 -0.40 0.91	18.88 -0.38 0.86	18.66 -0.36 0.80	19.02 -0.36 0.63	23.19 -0.34 0.67	25.19 -0.37 0.65	23.02 -0.36 0.69	21.67 -0.32 0.73	18.97 -0.20 0.51	17.64 -0.20 0.42	17.06 -0.14 0.62
EAST_RIVER___1 323558	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.94 1.73 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.64 2.49 -2.94	27.94 2.29 -1.58	24.75 2.02 0.00	21.33 1.65 0.00	19.84 1.57 0.00	19.19 1.37 0.00
EAST_RIVER___2 323559	18.78 1.29 -0.54	17.33 1.14 -0.77	16.92 1.05 -1.81	16.69 1.10 -0.58	17.15 1.12 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.89 1.81 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.69 2.54 -2.94	27.98 2.33 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.84 1.57 0.00	19.17 1.35 0.00
EAST___DELAWARE_HYD 23607	18.34 0.90 -0.49	16.89 0.77 -0.70	16.40 0.70 -1.64	16.31 0.77 -0.53	16.77 0.79 -0.48	17.78 0.93 0.00	21.31 1.15 0.00	23.32 1.17 -0.48	23.37 1.14 -1.41	22.23 1.15 -0.09	22.95 1.13 0.00	23.50 1.21 -0.19	22.15 0.60 0.00	20.67 0.58 0.00	21.01 0.60 -0.29	22.89 0.63 -2.43	23.43 0.74 -2.68	26.82 0.92 -1.70	29.93 1.05 -2.67	26.42 0.91 -1.43	24.13 1.41 0.00	20.78 1.10 0.00	19.25 0.99 0.00	18.69 0.87 0.00
EIGHT_POINT___WT_PWR 323820	16.82 -0.27 -0.13	15.31 -0.29 -0.19	14.22 -0.27 -0.44	14.87 -0.29 -0.14	15.29 -0.34 -0.13	16.61 -0.24 0.00	19.96 -0.20 0.00	21.19 -0.61 -0.13	20.58 -0.60 -0.38	20.59 -0.42 -0.02	21.43 -0.39 0.00	21.44 -0.71 -0.05	21.01 -0.54 0.00	19.88 -0.20 0.00	19.82 -0.38 -0.08	19.92 -0.55 -0.65	20.13 -0.58 -0.70	24.04 -0.60 -0.45	26.20 -0.71 -0.70	23.77 -0.67 -0.38	22.41 -0.32 0.00	19.44 -0.24 0.00	17.97 -0.29 0.00	17.71 -0.11 0.00
ELBRIDGE_115KV_TB2 80188	16.89 -0.14 -0.07	15.39 -0.12 -0.10	14.17 -0.11 -0.23	14.97 -0.12 -0.07	15.46 -0.11 -0.07	16.73 -0.12 0.00	20.02 -0.14 0.00	21.57 -0.17 -0.07	20.85 -0.17 -0.20	20.83 -0.17 -0.01	21.64 -0.17 0.00	21.92 -0.20 -0.03	21.35 -0.19 0.00	19.86 -0.22 0.00	19.96 -0.20 -0.04	19.97 -0.20 -0.35	20.19 -0.20 -0.38	24.22 -0.22 -0.24	26.35 -0.24 -0.38	24.03 -0.24 -0.20	22.54 -0.18 0.00	19.62 -0.06 0.00	18.21 -0.05 0.00	17.84 0.02 0.00
ELEC_TRO_TEK 24086	19.02 1.53 -0.54	17.52 1.33 -0.77	17.08 1.22 -1.81	16.88 1.28 -0.58	17.33 1.30 -0.53	20.66 1.53 -2.28	29.36 1.81 -7.38	30.79 2.02 -7.10	29.44 2.02 -6.60	26.84 2.06 -3.80	28.26 2.16 -4.28	30.33 2.19 -6.05	29.72 2.18 -6.00	29.26 2.11 -7.07	29.24 2.09 -7.03	29.19 2.04 -7.32	28.57 2.12 -6.44	32.09 2.52 -5.38	32.77 2.75 -3.80	29.18 2.53 -2.58	27.89 2.30 -2.87	26.33 1.87 -4.78	20.05 1.75 -0.04	19.42 1.60 0.00
ELLENBURG_WT_PWR 323604	6.86 -0.71 9.39	6.18 -0.69 8.55	5.63 -0.63 7.79	6.05 -0.65 8.33	6.28 -0.64 8.58	6.83 -0.69 9.33	11.38 -0.83 7.96	9.00 -0.93 11.74	4.71 -1.17 14.94	2.20 -1.34 17.45	-0.35 -1.51 20.66	-7.03 -1.46 27.66	-7.00 -1.42 27.12	4.19 -1.33 14.57	2.90 -1.31 15.92	1.65 -1.35 16.82	4.23 -1.32 14.45	-7.05 -1.69 29.55	-7.05 -1.86 31.41	-7.05 -1.69 29.44	-7.02 -1.61 28.14	-7.04 -1.42 25.30	-7.04 -1.32 23.99	-7.06 -1.34 23.54



ELM_ST_23_KV_LD_REV_LBMP_A 345012	15.84 -1.20 -0.09	14.51 -1.03 -0.13	13.45 -0.90 -0.30	14.15 -0.96 -0.10	14.52 -1.07 -0.09	15.82 -1.03 0.00	18.99 -1.17 0.00	19.85 -1.91 -0.09	19.03 -2.04 -0.26	19.07 -1.93 -0.02	19.83 -1.99 0.00	19.85 -2.28 -0.03	19.35 -2.20 0.00	18.26 -1.83 0.00	18.18 -1.99 -0.05	18.30 -1.96 -0.44	18.51 -1.98 -0.48	22.11 -2.40 -0.31	24.07 -2.62 -0.48	21.97 -2.36 -0.26	20.77 -1.95 0.00	18.20 -1.48 0.00	16.95 -1.32 0.00	16.96 -0.86 0.00
EMPIRE_CC_1 323656	18.39 0.80 -0.64	17.08 0.74 -0.92	16.89 0.69 -2.15	16.44 0.74 -0.69	16.88 0.74 -0.63	17.66 0.81 0.00	21.03 0.87 0.00	23.19 0.89 -0.63	23.52 0.85 -1.85	21.94 0.84 -0.12	22.67 0.85 0.00	23.18 0.84 -0.25	22.38 0.84 0.00	20.91 0.82 0.00	21.28 0.78 -0.37	23.81 0.79 -3.19	24.27 0.76 -3.50	27.42 0.99 -2.23	30.76 1.05 -3.50	26.96 1.01 -1.87	23.70 0.98 0.00	20.49 0.81 0.00	19.01 0.75 0.00	18.51 0.69 0.00
EMPIRE_CC_2 323658	18.39 0.80 -0.64	17.08 0.74 -0.92	16.89 0.69 -2.15	16.44 0.74 -0.69	16.88 0.74 -0.63	17.66 0.81 0.00	21.03 0.87 0.00	23.19 0.89 -0.63	23.52 0.85 -1.85	21.94 0.84 -0.12	22.67 0.85 0.00	23.18 0.84 -0.25	22.38 0.84 0.00	20.91 0.82 0.00	21.28 0.78 -0.37	23.81 0.79 -3.19	24.27 0.76 -3.50	27.42 0.99 -2.23	30.76 1.05 -3.50	26.96 1.01 -1.87	23.70 0.98 0.00	20.49 0.81 0.00	19.01 0.75 0.00	18.51 0.69 0.00
ENORWICH_115KV_TB1 80156	18.27 1.14 -0.18	16.68 1.00 -0.26	15.53 0.87 -0.60	16.13 0.92 -0.19	16.69 1.01 -0.18	18.15 1.30 0.00	21.92 1.75 0.00	23.56 1.71 -0.18	23.00 1.67 -0.52	22.76 1.74 -0.03	23.67 1.85 0.00	24.00 1.83 -0.07	23.40 1.85 0.00	21.91 1.83 0.00	21.96 1.73 -0.11	22.40 1.69 -0.89	22.72 1.74 -0.97	27.23 2.42 -0.62	29.93 2.75 -0.97	27.12 2.53 -0.52	25.22 2.50 0.00	21.78 2.11 0.00	20.04 1.77 0.00	19.71 1.89 0.00
ERIE_ST__34_KV_TB1-2 80199	15.61 -1.44 -0.09	14.29 -1.26 -0.14	13.26 -1.11 -0.32	13.92 -1.20 -0.10	14.29 -1.30 -0.09	16.43 -0.42 0.00	19.68 -0.48 0.00	19.60 -2.17 -0.09	18.84 -2.25 -0.27	19.85 -1.15 -0.02	20.64 -1.18 0.00	20.14 -1.99 -0.04	20.16 -1.38 0.00	19.10 -0.98 0.00	18.07 -2.11 -0.06	18.21 -2.08 -0.47	18.42 -2.10 -0.51	21.98 -2.54 -0.33	23.97 -2.75 -0.51	21.87 -2.48 -0.27	21.72 -1.00 0.00	19.01 -0.67 0.00	17.66 -0.60 0.00	17.66 -0.16 0.00
ERIE_WT_PWR 323693	15.86 -1.19 -0.09	14.53 -1.02 -0.13	13.47 -0.88 -0.31	14.16 -0.96 -0.10	14.50 -1.09 -0.09	15.94 -0.91 0.00	19.11 -1.05 0.00	19.86 -1.91 -0.09	19.04 -2.04 -0.26	19.20 -1.81 -0.02	19.96 -1.85 0.00	19.94 -2.19 -0.03	19.48 -2.07 0.00	18.42 -1.67 0.00	18.12 -2.05 -0.05	18.33 -1.94 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.60 -0.49	22.00 -2.33 -0.26	20.93 -1.80 0.00	18.34 -1.34 0.00	17.08 -1.19 0.00	17.14 -0.68 0.00
ESPRGFLD_115KV_TB1 80157	17.68 0.71 -0.01	16.07 0.63 -0.02	14.67 0.58 -0.04	15.65 0.62 -0.01	16.18 0.67 -0.01	17.71 0.86 0.00	21.31 1.15 0.00	22.88 1.19 -0.01	22.00 1.14 -0.04	22.19 1.20 0.00	23.06 1.24 0.00	23.34 1.24 -0.01	22.77 1.23 0.00	21.27 1.19 0.00	21.30 1.17 -0.01	21.04 1.15 -0.07	21.30 1.22 -0.07	25.84 1.60 -0.04	28.06 1.78 -0.07	25.65 1.54 -0.04	24.22 1.50 0.00	20.88 1.20 0.00	19.31 1.04 0.00	18.85 1.03 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	17.43 0.34 -0.13	15.90 0.29 -0.20	14.77 0.27 -0.46	15.45 0.29 -0.15	15.94 0.31 -0.13	17.27 0.42 0.00	20.71 0.54 0.00	22.28 0.48 -0.13	21.66 0.46 -0.39	21.52 0.50 -0.02	22.34 0.52 0.00	22.61 0.46 -0.05	22.04 0.50 0.00	20.59 0.50 0.00	20.63 0.42 -0.08	20.94 0.44 -0.68	21.21 0.48 -0.72	25.33 0.68 -0.46	27.66 0.73 -0.72	25.13 0.67 -0.39	23.45 0.73 0.00	20.35 0.67 0.00	18.83 0.57 0.00	18.46 0.64 0.00
ETNA____115KV_TB2 80207	17.43 0.34 -0.13	15.90 0.29 -0.20	14.77 0.27 -0.46	15.45 0.29 -0.15	15.94 0.31 -0.13	17.27 0.42 0.00	20.71 0.54 0.00	22.28 0.48 -0.13	21.66 0.46 -0.39	21.52 0.50 -0.02	22.34 0.52 0.00	22.61 0.46 -0.05	22.04 0.50 0.00	20.59 0.50 0.00	20.63 0.42 -0.08	20.94 0.44 -0.68	21.21 0.48 -0.72	25.33 0.68 -0.46	27.66 0.73 -0.72	25.13 0.67 -0.39	23.45 0.73 0.00	20.35 0.67 0.00	18.83 0.57 0.00	18.46 0.64 0.00
EUCLID___115KV_TB2 356179	16.76 -0.25 -0.06	15.28 -0.22 -0.08	14.05 -0.20 -0.19	14.87 -0.21 -0.06	15.34 -0.22 -0.06	16.61 -0.24 0.00	19.88 -0.28 0.00	21.40 -0.33 -0.06	20.67 -0.31 -0.17	20.66 -0.34 -0.01	21.49 -0.33 0.00	21.76 -0.35 -0.02	21.20 -0.34 0.00	19.70 -0.38 0.00	19.80 -0.36 -0.03	19.77 -0.34 -0.28	19.96 -0.36 -0.31	23.98 -0.41 -0.20	26.08 -0.45 -0.31	23.80 -0.43 -0.17	22.34 -0.39 0.00	19.44 -0.24 0.00	18.06 -0.20 0.00	17.69 -0.12 0.00
E_CANADA_CAP_HY 24051	18.51 0.76 -0.79	17.23 0.68 -1.14	17.33 0.62 -2.66	16.53 0.66 -0.85	17.00 0.71 -0.78	17.74 0.89 0.00	21.37 1.21 0.00	23.71 1.26 -0.78	24.27 1.16 -2.29	22.35 1.22 -0.14	23.06 1.24 0.00	23.63 1.24 -0.30	22.77 1.23 0.00	21.25 1.16 0.00	21.77 1.19 -0.46	24.95 1.19 -3.94	25.60 1.26 -4.33	28.62 1.67 -2.76	32.34 1.81 -4.32	27.88 1.49 -2.31	24.18 1.46 0.00	20.80 1.12 0.00	19.27 1.00 0.00	18.76 0.94 0.00
E_CANADA_MHWK_HY 24050	17.86 0.42 -0.47	16.23 0.39 -0.43	14.77 0.32 -0.39	15.74 0.30 -0.42	16.21 0.28 -0.43	17.61 0.29 -0.47	20.93 0.36 -0.40	22.66 0.39 -0.59	21.98 0.42 -0.76	22.25 0.38 -0.88	23.16 0.44 -0.91	23.18 0.46 -0.62	22.68 0.47 -0.66	21.26 0.44 -0.74	21.27 0.42 -0.72	21.09 0.42 -0.85	21.12 0.38 -0.73	25.31 0.44 -0.68	27.43 0.47 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.39 0.30 -0.42	18.90 0.29 -0.34	18.64 0.32 -0.50
E_FISHKILL___LBMP 23776	18.61 1.10 -0.55	17.20 0.99 -0.80	16.83 0.91 -1.87	16.59 0.98 -0.60	17.04 0.99 -0.55	17.96 1.11 0.00	21.47 1.31 0.00	23.67 1.45 -0.55	23.88 1.46 -1.61	22.56 1.47 -0.10	23.35 1.53 0.00	23.85 1.55 -0.21	23.07 1.53 0.00	21.59 1.51 0.00	21.94 1.49 -0.33	24.06 1.47 -2.76	24.57 1.52 -3.04	27.92 1.79 -1.94	31.21 1.97 -3.03	27.50 1.81 -1.62	24.36 1.64 0.00	21.00 1.32 0.00	19.49 1.22 0.00	18.94 1.12 0.00
FALCON___SEABRD_CC1 323796	7.04 -0.54 9.37	6.35 -0.54 8.53	5.79 -0.49 7.77	6.22 -0.50 8.31	6.47 -0.46 8.56	7.03 -0.51 9.31	11.62 -0.60 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.10 -1.27 20.65	-6.87 -1.19 27.78	-6.86 -1.18 27.22	4.42 -1.12 14.54	3.12 -1.11 15.90	1.89 -1.15 16.78	4.49 -1.10 14.42	-6.85 -1.38 29.67	-6.83 -1.52 31.52	-6.85 -1.37 29.55	-6.88 -1.34 28.26	-6.92 -1.16 25.44	-6.96 -1.10 24.13	-6.91 -1.09 23.64
FALCON___SEABRD_CC2 323797	7.04 -0.54 9.37	6.35 -0.54 8.53	5.79 -0.49 7.77	6.22 -0.50 8.31	6.47 -0.46 8.56	7.03 -0.51 9.31	11.62 -0.60 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.10 -1.27 20.65	-6.87 -1.19 27.78	-6.86 -1.18 27.22	4.42 -1.12 14.54	3.12 -1.11 15.90	1.89 -1.15 16.78	4.49 -1.10 14.42	-6.85 -1.38 29.67	-6.83 -1.52 31.52	-6.85 -1.37 29.55	-6.88 -1.34 28.26	-6.92 -1.16 25.44	-6.96 -1.10 24.13	-6.91 -1.09 23.64



FAR ROCKAWAY___4 23548	19.26 1.76 -0.54	17.72 1.53 -0.77	17.25 1.39 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.88 1.75 -2.28	29.62 2.08 -7.38	31.09 2.32 -7.10	29.75 2.31 -6.63	27.16 2.35 -3.82	28.61 2.49 -4.31	30.68 2.54 -6.05	30.09 2.52 -6.03	29.58 2.43 -7.07	29.56 2.41 -7.03	29.51 2.32 -7.36	28.88 2.40 -6.46	32.48 2.90 -5.38	33.16 3.15 -3.80	29.57 2.91 -2.58	28.23 2.64 -2.87	26.71 2.13 -4.90	20.29 1.99 -0.04	19.67 1.85 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.77 1.17 -0.58	17.21 1.18 -0.53	18.16 1.31 0.00	21.70 1.53 0.00	23.98 1.78 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.50 1.96 0.00	21.99 1.91 0.00	22.35 1.91 -0.32	24.37 1.86 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.67 2.52 -2.94	27.98 2.33 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.24 1.43 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.50 1.96 0.00	21.99 1.91 0.00	22.35 1.91 -0.32	24.37 1.86 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.67 2.52 -2.94	27.96 2.31 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.76 1.16 -0.58	17.20 1.16 -0.53	18.15 1.30 0.00	21.68 1.51 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.62 2.46 -2.94	27.94 2.29 -1.58	24.72 2.00 0.00	21.33 1.65 0.00	19.83 1.57 0.00	19.21 1.39 0.00
FARRAGUT___LBMP 323566	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.33 1.82 -2.68	24.88 1.92 -2.95	28.32 2.25 -1.88	31.62 2.46 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
FENNER___WINDPWR 24204	17.50 0.51 -0.03	15.92 0.46 -0.04	14.56 0.41 -0.10	15.49 0.44 -0.03	15.99 0.46 -0.03	17.42 0.57 0.00	20.95 0.79 0.00	22.50 0.80 -0.03	21.71 0.81 -0.08	21.83 0.84 -0.01	22.71 0.89 0.00	23.01 0.91 -0.01	22.45 0.90 0.00	20.91 0.82 0.00	20.97 0.83 -0.02	20.78 0.81 -0.14	20.97 0.56 -0.40	25.17 0.73 -0.25	27.42 0.81 -0.40	25.01 0.72 -0.21	23.47 0.75 0.00	20.33 0.65 0.00	18.81 0.55 0.00	18.43 0.61 0.00
FIBERTEK___ENERGY 23856	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
FITZPATRICK___ 23598	16.54 -0.46 -0.04	15.06 -0.42 -0.06	13.82 -0.38 -0.14	14.66 -0.40 -0.05	15.12 -0.42 -0.04	16.38 -0.47 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.33 -0.60 -0.12	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.42 -0.66 0.00	19.50 -0.64 -0.02	19.40 -0.64 -0.21	19.60 -0.64 -0.23	23.57 -0.78 -0.15	25.60 -0.84 -0.23	23.40 -0.79 -0.12	22.00 -0.73 0.00	19.17 -0.51 0.00	17.81 -0.46 0.00	17.44 -0.38 0.00
FLOWRFLD_69_KV_BK1 356044	19.29 1.80 -0.54	17.76 1.57 -0.77	17.29 1.43 -1.81	17.09 1.49 -0.58	17.57 1.53 -0.53	20.98 1.85 -2.28	29.76 2.22 -7.38	31.20 2.43 -7.10	29.71 2.31 -6.59	27.07 2.31 -3.78	28.46 2.38 -4.26	30.53 2.39 -6.05	29.88 2.35 -5.98	29.40 2.25 -7.07	29.42 2.27 -7.03	29.36 2.24 -7.29	28.77 2.34 -6.42	32.41 2.83 -5.38	33.16 3.15 -3.80	29.54 2.89 -2.58	28.23 2.64 -2.87	26.52 2.14 -4.69	20.33 2.03 -0.04	19.67 1.85 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	18.72 1.22 -0.54	17.28 1.08 -0.78	16.87 0.98 -1.83	16.67 1.07 -0.59	17.12 1.09 -0.54	18.08 1.23 0.00	21.66 1.49 0.00	23.77 1.56 -0.54	23.91 1.52 -1.58	22.64 1.55 -0.10	23.41 1.59 0.00	23.96 1.66 -0.21	23.16 1.62 0.00	21.65 1.57 0.00	21.99 1.55 -0.32	24.09 1.55 -2.72	24.62 1.62 -2.98	28.06 1.96 -1.90	31.34 2.15 -2.98	27.59 1.93 -1.60	24.50 1.77 0.00	21.08 1.40 0.00	19.54 1.28 0.00	18.99 1.18 0.00
FORT ORANGE___ 23900	18.48 0.86 -0.65	17.15 0.79 -0.95	16.98 0.72 -2.21	16.51 0.78 -0.71	16.94 0.79 -0.65	17.66 0.81 0.00	21.07 0.91 0.00	23.06 0.74 -0.65	23.43 0.71 -1.91	21.86 0.75 -0.12	22.56 0.74 0.00	23.08 0.73 -0.25	22.28 0.73 0.00	20.81 0.72 0.00	21.19 0.68 -0.39	23.78 0.67 -3.28	24.45 0.84 -3.60	27.56 1.06 -2.30	30.96 1.15 -3.60	27.01 1.01 -1.93	23.72 1.00 0.00	20.51 0.83 0.00	19.00 0.73 0.00	18.50 0.68 0.00
FORT_DRUM_COGEN 23780	14.87 -0.24 1.85	13.51 -0.25 1.66	12.35 -0.25 1.45	13.10 -0.29 1.63	13.57 -0.25 1.69	14.73 -0.25 1.87	18.43 -0.14 1.59	19.21 -0.15 2.32	17.79 -0.12 2.90	17.36 -0.15 3.48	18.20 -0.15 3.47	20.15 -0.15 1.79	19.40 -0.13 2.01	17.03 -0.14 2.91	17.23 -0.12 2.77	16.52 -0.10 3.20	17.22 -0.08 2.71	22.42 0.12 1.90	24.35 0.21 2.07	22.34 0.17 1.90	21.25 0.18 1.66	18.88 0.12 0.91	17.63 0.00 0.63	16.44 0.02 1.40
FOX_HILLS___ESR 323835	18.97 1.48 -0.54	17.49 1.29 -0.77	17.04 1.18 -1.81	16.85 1.25 -0.58	17.30 1.27 -0.53	18.18 1.33 0.00	21.68 1.51 0.00	23.98 1.78 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	28.70 1.94 -4.66	31.45 1.94 -7.97	40.03 1.89 -18.06	22.35 1.91 -0.32	24.29 1.78 -2.68	24.86 1.90 -2.95	28.28 2.20 -1.88	32.04 2.49 -3.34	27.94 2.29 -1.58	34.72 1.98 -10.02	26.12 1.63 -4.81	19.96 1.64 -0.06	19.35 1.53 0.00
FPL_FAR_ROCK_GT1 24212	19.26 1.76 -0.54	17.72 1.53 -0.78	17.26 1.39 -1.82	17.06 1.46 -0.58	17.54 1.50 -0.54	20.88 1.75 -2.28	29.63 2.08 -7.39	31.10 2.32 -7.10	29.75 2.31 -6.63	27.16 2.35 -3.82	28.61 2.49 -4.31	30.69 2.54 -6.05	30.09 2.52 -6.03	29.59 2.43 -7.07	29.57 2.41 -7.03	29.51 2.32 -7.36	28.87 2.40 -6.46	32.48 2.90 -5.38	33.16 3.14 -3.80	29.57 2.91 -2.59	28.24 2.63 -2.88	26.71 2.13 -4.90	20.30 1.99 -0.04	19.66 1.84 -0.01
FPL_FAR_ROCK_GT2 23815	19.26 1.76 -0.54	17.72 1.53 -0.78	17.26 1.39 -1.82	17.06 1.46 -0.58	17.54 1.50 -0.54	20.88 1.75 -2.28	29.63 2.08 -7.39	31.10 2.32 -7.10	29.75 2.31 -6.63	27.16 2.35 -3.82	28.61 2.49 -4.31	30.69 2.54 -6.05	30.09 2.52 -6.03	29.59 2.43 -7.07	29.57 2.41 -7.03	29.51 2.32 -7.36	28.87 2.40 -6.46	32.48 2.90 -5.38	33.16 3.14 -3.80	29.57 2.91 -2.59	28.24 2.63 -2.88	26.71 2.13 -4.90	20.30 1.99 -0.04	19.66 1.84 -0.01



FRANKLIN_FALL_HYD 24054	7.59 -0.58 8.79	6.84 -0.57 8.00	6.22 -0.53 7.29	6.68 -0.54 7.80	6.94 -0.53 8.04	7.52 -0.59 8.74	12.01 -0.71 7.45	9.95 -0.74 10.99	5.89 -0.94 13.99	3.62 -1.03 16.34	5.80 -1.13 14.89	20.18 -1.04 0.88	18.00 -1.03 2.51	5.46 -0.98 13.64	6.91 -0.97 12.24	3.04 -1.03 15.75	5.48 -1.00 13.53	21.40 -1.26 1.54	22.46 -1.39 2.36	21.34 -1.25 1.48	21.79 -1.23 -0.29	22.73 -1.06 -4.11	22.77 -0.97 -5.48	16.98 -0.98 -0.14
FREEPORT_EQUS_GT1 23764	19.16 1.66 -0.54	17.63 1.43 -0.78	17.17 1.31 -1.81	16.97 1.37 -0.58	17.45 1.41 -0.53	20.78 1.65 -2.28	29.50 1.96 -7.38	30.94 2.17 -7.10	29.58 2.16 -6.60	26.98 2.20 -3.79	28.41 2.31 -4.28	30.51 2.37 -6.05	29.87 2.33 -6.00	29.40 2.25 -7.07	29.39 2.23 -7.03	29.32 2.18 -7.32	28.73 2.28 -6.44	32.31 2.73 -5.38	33.00 2.99 -3.80	29.40 2.74 -2.59	28.08 2.48 -2.87	26.47 2.03 -4.77	20.20 1.90 -0.04	19.55 1.73 0.00
FREEPORT___CT2 23818	19.16 1.66 -0.54	17.63 1.43 -0.78	17.17 1.31 -1.81	16.97 1.37 -0.58	17.45 1.41 -0.53	20.78 1.65 -2.28	29.50 1.96 -7.38	30.94 2.17 -7.10	29.58 2.16 -6.60	26.98 2.20 -3.79	28.41 2.31 -4.28	30.51 2.37 -6.05	29.87 2.33 -6.00	29.40 2.25 -7.07	29.39 2.23 -7.03	29.32 2.18 -7.32	28.73 2.28 -6.44	32.31 2.73 -5.38	33.00 2.99 -3.80	29.40 2.74 -2.59	28.08 2.48 -2.87	26.47 2.03 -4.77	20.20 1.90 -0.04	19.55 1.73 0.00
FRESHKLS_33_KV_LOAD 356253	18.95 1.46 -0.54	17.47 1.28 -0.77	17.04 1.18 -1.81	16.85 1.25 -0.58	17.29 1.26 -0.53	18.16 1.31 0.00	21.64 1.47 0.00	23.94 1.73 -0.53	24.12 1.75 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	28.50 1.86 -4.55	31.16 1.85 -7.77	39.49 1.81 -17.59	22.31 1.87 -0.32	24.23 1.72 -2.68	24.80 1.84 -2.95	28.20 2.13 -1.88	32.02 2.46 -3.34	27.89 2.24 -1.58	34.38 1.89 -9.77	26.06 1.57 -4.81	19.93 1.61 -0.06	19.33 1.51 0.00
FULTON COGEN____ 23766	16.72 -0.29 -0.05	15.23 -0.26 -0.08	13.99 -0.24 -0.18	14.82 -0.26 -0.06	15.31 -0.25 -0.05	16.56 -0.29 0.00	19.82 -0.34 0.00	21.36 -0.37 -0.05	20.61 -0.35 -0.16	20.64 -0.36 -0.01	21.47 -0.35 0.00	21.74 -0.38 -0.02	21.18 -0.37 0.00	19.68 -0.40 0.00	19.77 -0.38 -0.03	19.74 -0.36 -0.27	19.92 -0.38 -0.29	23.95 -0.44 -0.19	26.03 -0.47 -0.29	23.77 -0.46 -0.16	22.32 -0.41 0.00	19.44 -0.24 0.00	18.04 -0.22 0.00	17.68 -0.14 0.00
FULTON___LFGE 323630	19.30 1.59 -0.75	17.90 1.40 -1.09	17.85 1.27 -2.54	17.18 1.35 -0.81	17.72 1.47 -0.75	18.59 1.74 0.00	22.42 2.26 0.00	24.74 2.32 -0.74	25.08 2.08 -2.18	23.24 2.12 -0.14	23.96 2.14 0.00	24.55 2.17 -0.29	23.68 2.13 0.00	22.09 2.01 0.00	22.62 2.05 -0.44	25.68 2.10 -3.76	26.38 2.24 -4.13	29.75 2.93 -2.63	33.45 3.12 -4.12	28.81 2.53 -2.21	25.20 2.48 0.00	21.65 1.97 0.00	19.96 1.70 0.00	19.46 1.64 0.00
G.F.CEMENT___DRP 24184	18.67 1.03 -0.68	17.33 0.92 -0.99	17.20 0.84 -2.30	16.66 0.90 -0.74	17.14 0.96 -0.68	17.93 1.08 0.00	21.53 1.37 0.00	23.80 1.45 -0.67	24.25 1.46 -1.98	22.64 1.53 -0.12	23.43 1.61 0.00	23.97 1.61 -0.26	23.01 1.46 0.00	21.51 1.43 0.00	21.97 1.45 -0.40	24.62 1.39 -3.41	25.14 1.38 -3.75	28.33 1.74 -2.39	31.82 1.86 -3.74	27.62 1.54 -2.01	24.25 1.52 0.00	20.84 1.16 0.00	19.27 1.00 0.00	18.75 0.93 0.00
GARDENVILLE___LBMP 24039	15.83 -1.22 -0.09	14.50 -1.05 -0.13	13.44 -0.91 -0.30	14.14 -0.98 -0.10	14.49 -1.10 -0.09	15.87 -0.98 0.00	19.03 -1.13 0.00	19.81 -1.95 -0.09	19.01 -2.06 -0.26	19.14 -1.87 -0.02	19.90 -1.92 0.00	19.88 -2.25 -0.03	19.41 -2.13 0.00	18.34 -1.75 0.00	18.16 -2.01 -0.05	18.29 -1.98 -0.45	18.50 -2.00 -0.49	22.09 -2.42 -0.31	24.05 -2.65 -0.49	21.95 -2.38 -0.26	20.86 -1.86 0.00	18.26 -1.42 0.00	17.00 -1.26 0.00	17.02 -0.80 0.00
GARDNVLA_35_KV_LD 355827	15.86 -1.19 -0.09	14.53 -1.02 -0.13	13.47 -0.89 -0.31	14.17 -0.95 -0.10	14.52 -1.07 -0.09	15.94 -0.91 0.00	19.12 -1.05 0.00	19.88 -1.89 -0.09	19.06 -2.02 -0.26	19.22 -1.78 -0.02	19.99 -1.83 0.00	19.94 -2.19 -0.03	19.48 -2.07 0.00	18.40 -1.69 0.00	18.23 -1.95 -0.05	18.36 -1.92 -0.45	18.54 -1.96 -0.49	22.14 -2.37 -0.31	24.13 -2.57 -0.49	22.02 -2.31 -0.26	20.95 -1.77 0.00	18.36 -1.32 0.00	17.08 -1.19 0.00	17.11 -0.71 0.00
GELCKHM___115KV_LOAD 80723	16.83 -0.19 -0.06	15.35 -0.15 -0.09	14.12 -0.14 -0.20	14.93 -0.15 -0.07	15.41 -0.16 -0.06	16.68 -0.17 0.00	19.96 -0.20 0.00	21.49 -0.24 -0.06	20.76 -0.23 -0.18	20.77 -0.23 -0.01	21.58 -0.24 0.00	21.88 -0.24 -0.02	21.31 -0.24 0.00	19.80 -0.28 0.00	19.90 -0.26 -0.04	19.87 -0.26 -0.30	20.08 -0.26 -0.33	24.11 -0.29 -0.21	26.23 -0.31 -0.33	23.93 -0.31 -0.18	22.45 -0.27 0.00	19.54 -0.14 0.00	18.15 -0.11 0.00	17.78 -0.04 0.00
GENERAL___MILLS 23808	15.84 -1.20 -0.09	14.51 -1.03 -0.13	13.46 -0.90 -0.31	14.16 -0.96 -0.10	14.51 -1.09 -0.09	15.92 -0.93 0.00	19.09 -1.07 0.00	19.83 -1.93 -0.09	19.04 -2.04 -0.26	19.18 -1.83 -0.02	19.94 -1.88 0.00	19.92 -2.21 -0.03	19.45 -2.09 0.00	18.38 -1.71 0.00	18.18 -1.99 -0.05	18.31 -1.96 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.59 -0.49	22.00 -2.33 -0.26	20.91 -1.82 0.00	18.32 -1.36 0.00	17.06 -1.21 0.00	17.07 -0.75 0.00
GE_PLASTICS___DRP 24183	18.36 0.75 -0.65	17.04 0.68 -0.95	16.88 0.62 -2.22	16.39 0.66 -0.71	16.83 0.68 -0.65	17.56 0.71 0.00	20.95 0.79 0.00	23.12 0.80 -0.65	23.49 0.77 -1.91	21.92 0.82 -0.12	22.65 0.83 0.00	23.17 0.82 -0.25	22.36 0.82 0.00	20.89 0.80 0.00	21.29 0.78 -0.39	23.86 0.75 -3.28	24.40 0.78 -3.61	27.46 0.97 -2.30	30.86 1.05 -3.60	26.94 0.94 -1.93	23.63 0.91 0.00	20.43 0.75 0.00	18.94 0.68 0.00	18.42 0.61 0.00
GILBOA___1 23756	18.14 0.66 -0.52	16.77 0.60 -0.76	16.38 0.56 -1.77	16.17 0.59 -0.57	16.62 0.60 -0.52	17.54 0.69 0.00	20.97 0.81 0.00	23.03 0.84 -0.52	23.17 0.83 -1.52	21.94 0.86 -0.09	22.71 0.89 0.00	23.18 0.88 -0.20	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.85 -0.31	23.27 0.83 -2.62	23.74 0.86 -2.87	27.04 1.02 -1.83	30.21 1.13 -2.87	26.64 1.03 -1.54	23.70 0.98 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00
GILBOA___2 23757	18.14 0.66 -0.52	16.77 0.60 -0.76	16.38 0.56 -1.77	16.17 0.59 -0.57	16.62 0.60 -0.52	17.54 0.69 0.00	20.97 0.81 0.00	23.03 0.84 -0.52	23.17 0.83 -1.52	21.94 0.86 -0.09	22.71 0.89 0.00	23.18 0.88 -0.20	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.85 -0.31	23.27 0.83 -2.62	23.74 0.86 -2.87	27.04 1.02 -1.83	30.21 1.13 -2.87	26.64 1.03 -1.54	23.70 0.98 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00
GILBOA___3 23758	18.14 0.66 -0.52	16.77 0.60 -0.76	16.38 0.56 -1.77	16.17 0.59 -0.57	16.62 0.60 -0.52	17.54 0.69 0.00	20.97 0.81 0.00	23.03 0.84 -0.52	23.17 0.83 -1.52	21.94 0.86 -0.09	22.71 0.89 0.00	23.18 0.88 -0.20	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.85 -0.31	23.27 0.83 -2.62	23.74 0.86 -2.87	27.04 1.02 -1.83	30.21 1.13 -2.87	26.64 1.03 -1.54	23.70 0.98 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00



GILBOA___4 23759	18.14 0.66 -0.52	16.77 0.60 -0.76	16.38 0.56 -1.77	16.17 0.59 -0.57	16.62 0.60 -0.52	17.54 0.69 0.00	20.97 0.81 0.00	23.03 0.84 -0.52	23.17 0.83 -1.52	21.94 0.86 -0.09	22.71 0.89 0.00	23.18 0.88 -0.20	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.85 -0.31	23.27 0.83 -2.62	23.74 0.86 -2.87	27.04 1.02 -1.83	30.21 1.13 -2.87	26.64 1.03 -1.54	23.70 0.98 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00
GILBOA____ 23599	18.14 0.66 -0.52	16.77 0.60 -0.76	16.38 0.56 -1.77	16.17 0.59 -0.57	16.62 0.60 -0.52	17.54 0.69 0.00	20.97 0.81 0.00	23.03 0.85 -0.52	23.17 0.83 -1.52	21.94 0.86 -0.09	22.71 0.89 0.00	23.18 0.88 -0.20	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.85 -0.31	23.27 0.83 -2.62	23.74 0.86 -2.87	27.04 1.02 -1.83	30.21 1.13 -2.87	26.64 1.04 -1.54	23.70 0.98 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00
GINNA____ 23603	15.79 -1.24 -0.07	14.41 -1.11 -0.11	13.30 -1.00 -0.25	14.05 -1.05 -0.08	14.47 -1.10 -0.07	15.52 -1.33 0.00	18.59 -1.57 0.00	20.12 -1.63 -0.07	19.38 -1.64 -0.21	19.22 -1.78 -0.01	19.99 -1.83 0.00	20.31 -1.81 -0.03	19.65 -1.90 0.00	18.36 -1.73 0.00	18.64 -1.53 -0.04	18.70 -1.49 -0.37	18.91 -1.50 -0.40	22.66 -1.79 -0.25	24.64 -1.97 -0.40	22.45 -1.83 -0.21	20.86 -1.86 0.00	18.16 -1.51 0.00	16.86 -1.41 0.00	16.66 -1.16 0.00
GLEN PARK____ 23778	15.03 -0.19 1.75	13.64 -0.20 1.57	12.48 -0.21 1.36	13.24 -0.24 1.54	13.71 -0.20 1.59	14.88 -0.20 1.77	18.62 -0.04 1.51	19.42 -0.06 2.19	18.04 -0.04 2.73	17.63 -0.06 3.30	18.47 -0.07 3.28	20.32 -0.09 1.69	19.57 -0.06 1.90	17.25 -0.08 2.76	17.46 -0.04 2.62	16.79 -0.02 3.02	17.48 0.02 2.55	22.68 0.27 1.79	24.64 0.37 1.94	22.59 0.31 1.79	21.50 0.34 1.57	19.05 0.24 0.86	17.76 0.09 0.60	16.60 0.11 1.32
GLENDALE_27_KV_LOAD 356172	18.97 1.48 -0.54	17.50 1.31 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.25 1.40 0.00	21.76 1.59 0.00	24.07 1.86 -0.53	24.29 1.91 -1.56	23.04 1.95 -0.10	23.87 2.05 0.00	25.02 2.08 -0.84	24.75 2.07 -1.14	24.68 2.01 -2.58	22.49 2.05 -0.32	24.45 1.94 -2.68	25.02 2.06 -2.95	28.47 2.40 -1.88	31.83 2.62 -3.00	28.06 2.41 -1.58	26.25 2.09 -1.43	22.12 1.75 -0.69	19.97 1.70 -0.01	19.39 1.57 0.00
GLENWOOD_IC_1_G5 23712	19.12 1.63 -0.54	17.59 1.40 -0.77	17.15 1.29 -1.81	16.94 1.34 -0.58	17.41 1.38 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.60	26.98 2.20 -3.79	28.40 2.31 -4.27	30.53 2.39 -6.05	29.89 2.35 -5.99	29.42 2.27 -7.07	29.40 2.25 -7.03	29.33 2.20 -7.31	28.72 2.28 -6.43	32.29 2.71 -5.38	32.95 2.94 -3.80	29.35 2.70 -2.58	28.03 2.43 -2.87	26.42 2.01 -4.74	20.16 1.86 -0.04	19.53 1.71 0.00
GLENWOOD_IC_2_G1 23688	19.05 1.56 -0.54	17.55 1.36 -0.77	17.11 1.25 -1.81	16.91 1.31 -0.58	17.37 1.33 -0.53	20.69 1.57 -2.28	29.40 1.85 -7.38	30.85 2.08 -7.10	29.48 2.08 -6.59	26.89 2.12 -3.78	28.31 2.23 -4.26	30.42 2.28 -6.05	29.77 2.24 -5.99	29.33 2.17 -7.07	29.31 2.15 -7.03	29.22 2.10 -7.30	28.61 2.18 -6.42	32.17 2.59 -5.38	32.84 2.83 -3.80	29.26 2.60 -2.58	27.96 2.36 -2.87	26.31 1.93 -4.71	20.09 1.79 -0.04	19.46 1.64 0.00
GLENWOOD_IC_3_G1 23689	19.05 1.56 -0.54	17.55 1.36 -0.77	17.11 1.25 -1.81	16.91 1.31 -0.58	17.37 1.33 -0.53	20.69 1.57 -2.28	29.40 1.85 -7.38	30.85 2.08 -7.10	29.48 2.08 -6.59	26.89 2.12 -3.78	28.31 2.23 -4.26	30.42 2.28 -6.05	29.77 2.24 -5.99	29.33 2.17 -7.07	29.31 2.15 -7.03	29.22 2.10 -7.30	28.61 2.18 -6.42	32.17 2.59 -5.38	32.84 2.83 -3.80	29.26 2.60 -2.58	27.96 2.36 -2.87	26.31 1.93 -4.71	20.09 1.79 -0.04	19.46 1.64 0.00
GLENWOOD___4 23550	19.12 1.63 -0.54	17.59 1.40 -0.77	17.15 1.29 -1.81	16.94 1.34 -0.58	17.41 1.38 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.60	26.98 2.20 -3.79	28.40 2.31 -4.27	30.53 2.39 -6.05	29.89 2.35 -5.99	29.42 2.27 -7.07	29.40 2.25 -7.03	29.33 2.20 -7.31	28.72 2.28 -6.43	32.29 2.71 -5.38	32.95 2.94 -3.80	29.35 2.70 -2.58	28.03 2.43 -2.87	26.42 2.01 -4.74	20.16 1.86 -0.04	19.53 1.71 0.00
GLENWOOD___5 23614	19.12 1.63 -0.54	17.59 1.40 -0.77	17.15 1.29 -1.81	16.94 1.34 -0.58	17.41 1.38 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.60	26.98 2.20 -3.79	28.40 2.31 -4.27	30.53 2.39 -6.05	29.89 2.35 -5.99	29.42 2.27 -7.07	29.40 2.25 -7.03	29.33 2.20 -7.31	28.72 2.28 -6.43	32.29 2.71 -5.38	32.95 2.94 -3.80	29.35 2.70 -2.58	28.03 2.43 -2.87	26.42 2.01 -4.74	20.16 1.86 -0.04	19.53 1.71 0.00
GLOBAL GREEN_PORT_GT1 23814	19.43 1.93 -0.54	17.89 1.70 -0.77	17.44 1.57 -1.81	17.22 1.62 -0.58	17.71 1.67 -0.53	21.18 2.05 -2.28	30.04 2.50 -7.38	31.50 2.73 -7.10	29.85 2.45 -6.59	27.14 2.37 -3.78	28.54 2.46 -4.26	30.64 2.50 -6.05	29.96 2.43 -5.98	29.46 2.31 -7.07	29.48 2.33 -7.03	29.41 2.30 -7.29	28.87 2.44 -6.42	32.60 3.02 -5.38	33.37 3.36 -3.80	29.74 3.08 -2.58	28.41 2.82 -2.87	26.57 2.20 -4.69	20.42 2.12 -0.04	19.80 1.98 0.00
GLOBE___DSASP 323697	15.59 -1.46 -0.09	14.35 -1.19 -0.12	13.30 -1.04 -0.29	14.00 -1.11 -0.09	14.36 -1.22 -0.08	15.37 -1.48 0.00	18.39 -1.77 0.00	19.46 -2.30 -0.08	18.61 -2.46 -0.25	18.40 -2.60 -0.02	19.13 -2.68 0.00	19.28 -2.85 -0.03	18.63 -2.91 0.00	17.57 -2.51 0.00	17.78 -2.39 -0.05	17.89 -2.36 -0.43	18.09 -2.38 -0.47	21.59 -2.90 -0.30	23.50 -3.17 -0.46	21.46 -2.86 -0.25	20.00 -2.73 0.00	17.55 -2.13 0.00	16.38 -1.88 0.00	16.41 -1.41 0.00
GOETHSLN___LBMP 323567	18.77 1.27 -0.54	17.32 1.13 -0.77	16.90 1.04 -1.81	16.70 1.10 -0.58	17.15 1.12 -0.53	18.08 1.23 0.00	21.60 1.43 0.00	23.85 1.65 -0.53	24.08 1.71 -1.56	22.83 1.74 -0.10	23.63 1.81 0.00	24.16 1.86 -0.21	23.40 1.85 0.00	21.89 1.81 0.00	22.25 1.81 -0.32	24.27 1.76 -2.68	24.82 1.86 -2.95	28.25 2.18 -1.88	31.51 2.36 -2.94	27.84 2.19 -1.58	24.66 1.93 0.00	21.27 1.59 0.00	19.78 1.52 0.00	19.16 1.34 0.00
GOLAH___69_KV_TB 1_2 80279	16.46 -0.58 -0.08	15.03 -0.49 -0.11	13.91 -0.39 -0.25	14.68 -0.42 -0.08	15.13 -0.45 -0.07	16.24 -0.61 0.00	19.44 -0.73 0.00	20.88 -0.87 -0.07	20.03 -1.00 -0.22	19.85 -1.15 -0.01	20.64 -1.18 0.00	20.91 -1.22 -0.03	20.23 -1.31 0.00	18.96 -1.12 0.00	19.24 -0.93 -0.04	19.31 -0.89 -0.38	19.54 -0.88 -0.41	23.42 -1.04 -0.26	25.52 -1.10 -0.41	23.28 -1.01 -0.22	21.68 -1.05 0.00	18.91 -0.77 0.00	17.55 -0.71 0.00	17.44 -0.37 0.00
GOODYEAR_LAKE_HYD 323669	17.88 0.75 -0.17	16.33 0.66 -0.25	15.25 0.60 -0.59	15.85 0.65 -0.19	16.36 0.68 -0.17	17.69 0.84 0.00	21.27 1.11 0.00	22.97 1.13 -0.17	22.45 1.12 -0.51	22.19 1.18 -0.03	23.04 1.22 0.00	23.38 1.22 -0.07	22.77 1.23 0.00	21.27 1.19 0.00	21.37 1.15 -0.10	21.81 1.11 -0.88	22.13 1.16 -0.96	26.28 1.48 -0.61	28.85 1.68 -0.96	26.08 1.49 -0.51	24.18 1.45 0.00	20.86 1.18 0.00	19.31 1.04 0.00	18.85 1.03 0.00



GOUDEY___7 345031	17.26 0.12 -0.18	15.79 0.11 -0.27	14.77 0.10 -0.62	15.32 0.11 -0.20	15.79 0.11 -0.18	17.12 0.27 0.00	20.51 0.34 0.00	21.96 0.11 -0.18	21.43 0.08 -0.54	21.23 0.21 -0.03	22.04 0.22 0.00	22.28 0.11 -0.07	21.74 0.19 0.00	20.35 0.26 0.00	20.33 0.10 -0.11	20.85 0.10 -0.92	21.14 0.12 -1.01	25.01 0.17 -0.64	27.42 0.21 -1.00	24.78 0.17 -0.54	23.09 0.36 0.00	20.05 0.37 0.00	18.57 0.31 0.00	18.25 0.43 0.00
GOUDEY___7 23579	17.28 0.14 -0.18	15.81 0.12 -0.27	14.79 0.11 -0.62	15.34 0.12 -0.20	15.81 0.12 -0.18	17.14 0.29 0.00	20.53 0.36 0.00	21.99 0.13 -0.18	21.45 0.10 -0.54	21.25 0.23 -0.03	22.06 0.24 0.00	22.30 0.13 -0.07	21.76 0.22 0.00	20.37 0.28 0.00	20.35 0.12 -0.11	20.87 0.12 -0.92	21.16 0.14 -1.01	25.03 0.19 -0.64	27.45 0.24 -1.00	24.80 0.19 -0.54	23.11 0.39 0.00	20.07 0.39 0.00	18.59 0.33 0.00	18.26 0.45 0.00
GOUDEY___8 23580	17.26 0.12 -0.18	15.79 0.11 -0.27	14.77 0.10 -0.62	15.32 0.11 -0.20	15.79 0.11 -0.18	17.12 0.27 0.00	20.51 0.34 0.00	21.96 0.11 -0.18	21.43 0.08 -0.54	21.23 0.21 -0.03	22.04 0.22 0.00	22.28 0.11 -0.07	21.74 0.19 0.00	20.35 0.26 0.00	20.33 0.10 -0.11	20.85 0.10 -0.92	21.14 0.12 -1.01	25.01 0.17 -0.64	27.42 0.21 -1.00	24.78 0.17 -0.54	23.09 0.36 0.00	20.05 0.37 0.00	18.57 0.31 0.00	18.25 0.43 0.00
GOWANUS_GT1_1 24077	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_2 24078	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_3 24079	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_4 24080	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_5 24084	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_6 24111	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_7 24112	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT1_8 24113	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT2_1 24114	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_2 24115	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_3 24116	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_4 24117	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01



GOWANUS_GT2_5 24118	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_6 24119	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_7 24120	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT2_8 24121	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_1 24122	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_2 24123	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_3 24124	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_4 24125	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_5 24126	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_6 24127	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_7 24128	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT3_8 24129	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
GOWANUS_GT4_1 24130	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_2 24131	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_3 24132	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00



GOWANUS_GT4_4 24133	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_5 24134	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_6 24135	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_7 24136	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GOWANUS_GT4_8 24137	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GREENBSH_115KV_TB3 55895	18.43 0.81 -0.66	17.11 0.74 -0.95	16.95 0.67 -2.22	16.45 0.72 -0.71	16.90 0.74 -0.65	17.57 0.72 0.00	20.95 0.79 0.00	23.10 0.78 -0.65	23.50 0.77 -1.91	21.93 0.82 -0.12	22.65 0.83 0.00	23.14 0.80 -0.25	22.36 0.82 0.00	20.89 0.80 0.00	21.28 0.76 -0.39	23.87 0.75 -3.29	24.41 0.78 -3.62	27.47 0.97 -2.31	30.85 1.02 -3.61	26.95 0.94 -1.94	23.63 0.91 0.00	20.43 0.75 0.00	18.94 0.68 0.00	18.41 0.59 0.00
GREENDGE_115KV_TB5 80291	17.11 0.03 -0.12	15.61 0.02 -0.18	14.48 0.01 -0.41	15.18 0.03 -0.13	15.65 0.03 -0.12	17.00 0.15 0.00	20.41 0.24 0.00	21.86 0.07 -0.12	21.17 0.00 -0.35	21.09 0.08 -0.02	21.91 0.09 0.00	22.10 -0.04 -0.05	21.54 0.00 0.00	20.19 0.10 0.00	20.22 0.02 -0.07	20.45 0.02 -0.61	20.71 0.04 -0.66	24.76 0.15 -0.42	27.00 0.13 -0.66	24.55 0.12 -0.35	22.97 0.25 0.00	19.95 0.28 0.00	18.47 0.20 0.00	18.18 0.36 0.00
GREENIDGE___3 23582	17.11 0.03 -0.12	15.61 0.02 -0.18	14.48 0.01 -0.41	15.18 0.03 -0.13	15.65 0.03 -0.12	17.00 0.15 0.00	20.41 0.24 0.00	21.86 0.07 -0.12	21.17 0.00 -0.35	21.09 0.08 -0.02	21.91 0.09 0.00	22.10 -0.04 -0.05	21.54 0.00 0.00	20.19 0.10 0.00	20.22 0.02 -0.07	20.45 0.02 -0.61	20.71 0.04 -0.66	24.76 0.15 -0.42	27.00 0.13 -0.66	24.55 0.12 -0.35	22.97 0.25 0.00	19.95 0.28 0.00	18.47 0.20 0.00	18.18 0.36 0.00
GREENIDGE___4 23583	17.11 0.03 -0.12	15.61 0.02 -0.18	14.48 0.01 -0.41	15.18 0.03 -0.13	15.65 0.03 -0.12	17.00 0.15 0.00	20.41 0.24 0.00	21.86 0.07 -0.12	21.17 0.00 -0.35	21.09 0.08 -0.02	21.91 0.09 0.00	22.10 -0.04 -0.05	21.54 0.00 0.00	20.21 0.12 0.00	20.22 0.02 -0.07	20.45 0.02 -0.61	20.71 0.04 -0.66	24.76 0.15 -0.42	27.00 0.13 -0.66	24.55 0.12 -0.35	23.00 0.27 0.00	19.95 0.28 0.00	18.47 0.20 0.00	18.19 0.37 0.00
GREENLWN_69_KV_BK 3 55738	19.16 1.66 -0.54	17.62 1.43 -0.77	17.18 1.32 -1.81	16.97 1.37 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.52 1.98 -7.38	30.96 2.19 -7.10	29.59 2.19 -6.59	26.99 2.22 -3.78	28.39 2.31 -4.26	30.51 2.36 -6.05	29.85 2.33 -5.98	29.40 2.25 -7.07	29.40 2.25 -7.03	29.32 2.20 -7.29	28.73 2.30 -6.42	32.31 2.73 -5.38	33.00 2.99 -3.80	29.40 2.74 -2.58	28.07 2.48 -2.87	26.42 2.05 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00
GRISSOM___SOLAR 323813	19.30 1.59 -0.75	17.90 1.40 -1.09	17.85 1.27 -2.54	17.18 1.35 -0.81	17.72 1.47 -0.75	18.59 1.74 0.00	22.42 2.26 0.00	24.74 2.32 -0.74	25.08 2.08 -2.18	23.24 2.12 -0.14	23.96 2.14 0.00	24.55 2.17 -0.29	23.68 2.13 0.00	22.09 2.01 0.00	22.62 2.05 -0.44	25.68 2.10 -3.76	26.38 2.24 -4.13	29.75 2.93 -2.63	33.45 3.12 -4.12	28.81 2.53 -2.21	25.20 2.48 0.00	21.65 1.97 0.00	19.96 1.70 0.00	19.46 1.64 0.00
GROVEVILLE___HYD 323602	18.72 1.22 -0.54	17.28 1.08 -0.78	16.87 0.98 -1.83	16.67 1.07 -0.59	17.12 1.09 -0.54	18.08 1.23 0.00	21.66 1.49 0.00	23.77 1.56 -0.54	23.91 1.52 -1.58	22.64 1.55 -0.10	23.41 1.59 0.00	23.96 1.66 -0.21	23.16 1.62 0.00	21.65 1.57 0.00	21.99 1.55 -0.32	24.09 1.55 -2.72	24.62 1.62 -2.98	28.06 1.96 -1.90	31.34 2.15 -2.98	27.59 1.93 -1.60	24.50 1.77 0.00	21.08 1.40 0.00	19.54 1.28 0.00	18.99 1.18 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
HAMLTNNY_34_KV_TB 80303	16.98 -0.05 -0.07	15.49 -0.03 -0.10	14.24 -0.04 -0.23	15.06 -0.03 -0.08	15.54 -0.03 -0.07	16.83 -0.02 0.00	20.14 -0.02 0.00	21.70 -0.04 -0.07	20.97 -0.04 -0.20	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.06 -0.07 -0.03	21.48 -0.06 0.00	20.00 -0.08 0.00	20.08 -0.08 -0.04	20.11 -0.06 -0.35	20.31 -0.08 -0.38	24.39 -0.05 -0.24	26.54 -0.05 -0.38	24.20 -0.07 -0.20	22.68 -0.05 0.00	19.74 0.06 0.00	18.32 0.05 0.00	17.94 0.12 0.00



HAMPSHIRE___PAPER_HYD 323593	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.49 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.55 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.65 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84
HARDSCRABBLE_WT_PWR 323673	17.74 0.31 -0.47	16.13 0.28 -0.43	14.67 0.22 -0.39	15.64 0.19 -0.42	16.07 0.14 -0.43	17.46 0.13 -0.47	20.73 0.16 -0.40	22.46 0.19 -0.59	21.80 0.23 -0.76	22.08 0.21 -0.88	23.01 0.28 -0.91	23.03 0.31 -0.62	22.53 0.32 -0.66	21.10 0.28 -0.74	21.13 0.28 -0.72	20.93 0.26 -0.85	20.96 0.22 -0.73	25.09 0.22 -0.68	27.19 0.24 -0.75	24.99 0.24 -0.68	23.55 0.23 -0.60	20.21 0.12 -0.42	18.72 0.11 -0.34	18.46 0.14 -0.50
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	18.60 1.14 -0.51	17.16 1.02 -0.73	16.69 0.93 -1.71	16.56 0.99 -0.55	17.03 1.02 -0.50	18.01 1.16 0.00	21.53 1.37 0.00	23.67 1.50 -0.50	23.76 1.48 -1.47	22.59 1.51 -0.09	23.35 1.53 0.00	23.88 1.59 -0.19	23.12 1.57 0.00	21.61 1.53 0.00	21.93 1.51 -0.30	23.86 1.51 -2.53	24.39 1.60 -2.78	27.88 1.91 -1.77	31.08 2.10 -2.78	27.44 1.88 -1.49	24.43 1.70 0.00	21.06 1.38 0.00	19.52 1.26 0.00	18.96 1.14 0.00
HARSNRAD_115KV_TB1 81005	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.39 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.77 -1.39 0.00	19.76 -1.99 -0.08	18.94 -2.12 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.68 -2.45 -0.03	19.07 -2.48 0.00	18.00 -2.09 0.00	18.12 -2.05 -0.05	18.22 -2.02 -0.42	18.41 -2.06 -0.46	22.00 -2.49 -0.29	23.97 -2.70 -0.46	21.86 -2.46 -0.25	20.50 -2.23 0.00	17.97 -1.71 0.00	16.75 -1.52 0.00	16.77 -1.05 0.00
HARZA MOOSE___RIVER 24016	16.09 0.15 1.03	14.62 0.12 0.92	13.35 0.10 0.80	14.20 0.09 0.91	14.69 0.12 0.94	15.98 0.17 1.04	19.60 0.32 0.88	20.71 0.33 1.29	19.56 0.35 1.61	19.41 0.36 1.94	20.30 0.39 1.91	21.62 0.42 0.90	20.94 0.43 1.03	18.85 0.38 1.62	19.00 0.40 1.53	18.42 0.38 1.78	18.88 0.36 1.49	23.80 0.56 0.95	25.83 0.66 1.03	23.70 0.58 0.95	22.47 0.57 0.82	19.73 0.45 0.40	18.37 0.35 0.25	17.48 0.36 0.69
HDSNBRDG_115KV_BRDG_TB1 355580	16.85 -0.17 -0.06	15.35 -0.15 -0.09	14.13 -0.13 -0.20	14.95 -0.14 -0.07	15.42 -0.14 -0.06	16.70 -0.15 0.00	20.00 -0.16 0.00	21.54 -0.20 -0.06	20.78 -0.21 -0.18	20.79 -0.21 -0.01	21.62 -0.20 0.00	21.90 -0.22 -0.02	21.33 -0.22 0.00	19.84 -0.24 0.00	19.92 -0.24 -0.04	19.91 -0.22 -0.30	20.10 -0.24 -0.33	24.14 -0.27 -0.21	26.25 -0.29 -0.33	23.96 -0.29 -0.18	22.47 -0.25 0.00	19.58 -0.10 0.00	18.17 -0.09 0.00	17.80 -0.02 0.00
HELLGATE_13_KV_LD 55870	18.92 1.42 -0.54	17.45 1.26 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.20 1.35 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.13 1.98 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	18.92 1.42 -0.54	17.45 1.26 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.20 1.35 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.56 1.91 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.13 1.98 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.32 1.50 0.00
HEMPSTEAD____ 23647	19.07 1.58 -0.54	17.56 1.37 -0.78	17.11 1.25 -1.81	16.91 1.31 -0.58	17.37 1.33 -0.53	20.71 1.58 -2.28	29.40 1.85 -7.38	30.85 2.08 -7.10	29.49 2.08 -6.60	26.90 2.12 -3.79	28.32 2.23 -4.27	30.42 2.28 -6.05	29.80 2.26 -6.00	29.33 2.17 -7.07	29.33 2.17 -7.03	29.26 2.12 -7.31	28.64 2.20 -6.43	32.19 2.61 -5.38	32.84 2.83 -3.80	29.28 2.62 -2.59	27.96 2.36 -2.87	26.38 1.95 -4.75	20.11 1.81 -0.04	19.46 1.64 0.00
HEWLETT__69_KV_BK3 55828	19.17 1.68 -0.54	17.65 1.46 -0.77	17.20 1.33 -1.81	17.00 1.40 -0.58	17.46 1.43 -0.53	20.79 1.67 -2.28	29.52 1.98 -7.38	30.98 2.21 -7.10	29.65 2.21 -6.63	27.06 2.25 -3.82	28.48 2.36 -4.31	30.57 2.43 -6.05	29.96 2.39 -6.03	29.46 2.31 -7.07	29.44 2.29 -7.03	29.39 2.20 -7.36	28.78 2.30 -6.46	32.34 2.76 -5.38	33.03 3.01 -3.80	29.42 2.77 -2.58	28.12 2.52 -2.87	26.61 2.03 -4.90	20.22 1.92 -0.04	19.58 1.76 0.00
HICKLING___1 23621	17.15 0.03 -0.15	15.65 0.02 -0.22	14.60 0.03 -0.52	15.21 0.03 -0.17	15.67 0.02 -0.15	17.14 0.29 0.00	20.53 0.36 0.00	21.78 -0.04 -0.15	21.17 -0.08 -0.44	21.18 0.17 -0.03	21.99 0.17 0.00	22.09 -0.07 -0.06	21.65 0.11 0.00	20.35 0.26 0.00	20.19 -0.02 -0.09	20.55 -0.04 -0.77	20.82 -0.02 -0.83	24.75 0.02 -0.53	27.07 0.03 -0.83	24.54 0.02 -0.44	23.09 0.36 0.00	20.07 0.39 0.00	18.57 0.31 0.00	18.32 0.50 0.00
HICKLING___2 23622	17.15 0.03 -0.15	15.65 0.02 -0.22	14.60 0.03 -0.52	15.21 0.03 -0.17	15.67 0.02 -0.15	17.14 0.29 0.00	20.53 0.36 0.00	21.78 -0.04 -0.15	21.17 -0.08 -0.44	21.18 0.17 -0.03	21.99 0.17 0.00	22.09 -0.07 -0.06	21.65 0.11 0.00	20.35 0.26 0.00	20.19 -0.02 -0.09	20.55 -0.04 -0.77	20.82 -0.02 -0.83	24.75 0.02 -0.53	27.07 0.03 -0.83	24.54 0.02 -0.44	23.09 0.36 0.00	20.07 0.39 0.00	18.57 0.31 0.00	18.32 0.50 0.00
HIGH FALLS___HY 23754	18.61 1.12 -0.54	17.18 0.99 -0.77	16.76 0.90 -1.81	16.58 0.98 -0.58	17.03 0.99 -0.53	18.03 1.18 0.00	21.62 1.45 0.00	23.72 1.52 -0.53	23.85 1.48 -1.56	22.57 1.49 -0.10	23.30 1.48 0.00	23.87 1.57 -0.21	22.92 1.38 0.00	21.41 1.33 0.00	21.77 1.33 -0.32	23.86 1.35 -2.68	24.42 1.46 -2.95	27.86 1.79 -1.88	31.15 1.99 -2.94	27.43 1.78 -1.58	24.50 1.77 0.00	21.08 1.40 0.00	19.54 1.28 0.00	18.99 1.18 0.00
HILLBURN___GT 23639	18.66 1.19 -0.51	17.20 1.05 -0.74	16.75 0.97 -1.73	16.61 1.04 -0.55	17.06 1.05 -0.51	18.05 1.20 0.00	21.57 1.41 0.00	23.76 1.58 -0.51	23.88 1.58 -1.49	22.70 1.62 -0.09	23.46 1.64 0.00	23.99 1.70 -0.20	23.22 1.68 0.00	21.71 1.63 0.00	22.05 1.63 -0.30	23.99 1.61 -2.56	24.51 1.68 -2.82	27.97 1.98 -1.79	31.20 2.17 -2.81	27.57 2.00 -1.51	24.54 1.82 0.00	21.16 1.48 0.00	19.62 1.35 0.00	19.03 1.21 0.00
HILLSIDE_115KV_TB1 80332	16.96 -0.15 -0.16	15.50 -0.14 -0.23	14.47 -0.11 -0.53	15.07 -0.12 -0.17	15.52 -0.14 -0.16	16.97 0.12 0.00	20.32 0.16 0.00	21.57 -0.26 -0.15	20.98 -0.29 -0.46	20.95 -0.06 -0.03	21.73 -0.09 0.00	21.85 -0.31 -0.06	21.41 -0.13 0.00	20.11 0.02 0.00	19.93 -0.28 -0.09	20.33 -0.28 -0.78	20.60 -0.26 -0.85	24.47 -0.27 -0.54	26.75 -0.31 -0.85	24.26 -0.26 -0.46	22.82 0.09 0.00	19.84 0.16 0.00	18.37 0.11 0.00	18.12 0.30 0.00



HISHELDN_WT_PWR 323625	15.67 -1.37 -0.09	14.34 -1.20 -0.13	13.30 -1.05 -0.30	13.97 -1.14 -0.10	14.29 -1.30 -0.09	15.62 -1.23 0.00	18.69 -1.47 0.00	19.53 -2.23 -0.09	18.72 -2.35 -0.26	18.76 -2.25 -0.02	19.50 -2.31 0.00	19.52 -2.61 -0.03	19.02 -2.52 0.00	17.96 -2.13 0.00	17.76 -2.42 -0.05	17.97 -2.30 -0.44	18.15 -2.34 -0.48	21.67 -2.83 -0.31	23.62 -3.07 -0.48	21.56 -2.77 -0.26	20.41 -2.32 0.00	17.87 -1.81 0.00	16.64 -1.63 0.00	16.71 -1.10 0.00
HOLTSVILLE_IC_1 23690	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
HOLTSVILLE_IC_10 23699	19.29 1.80 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.58 1.55 -0.53	20.99 1.87 -2.28	29.80 2.26 -7.38	31.22 2.45 -7.10	29.67 2.27 -6.59	27.01 2.25 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.32 2.17 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.31 2.73 -5.38	33.05 3.04 -3.80	29.47 2.82 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.29 1.99 -0.04	19.65 1.84 0.00
HOLTSVILLE_IC_2 23691	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
HOLTSVILLE_IC_3 23692	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
HOLTSVILLE_IC_4 23693	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
HOLTSVILLE_IC_5 23694	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
HOLTSVILLE_IC_6 23695	19.29 1.80 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.58 1.55 -0.53	20.99 1.87 -2.28	29.80 2.26 -7.38	31.22 2.45 -7.10	29.67 2.27 -6.59	27.01 2.25 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.32 2.17 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.31 2.73 -5.38	33.05 3.04 -3.80	29.47 2.82 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.29 1.99 -0.04	19.65 1.84 0.00
HOLTSVILLE_IC_7 23696	19.29 1.80 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.58 1.55 -0.53	20.99 1.87 -2.28	29.80 2.26 -7.38	31.22 2.45 -7.10	29.67 2.27 -6.59	27.01 2.25 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.32 2.17 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.31 2.73 -5.38	33.05 3.04 -3.80	29.47 2.82 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.29 1.99 -0.04	19.65 1.84 0.00
HOLTSVILLE_IC_8 23697	19.29 1.80 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.58 1.55 -0.53	20.99 1.87 -2.28	29.80 2.26 -7.38	31.22 2.45 -7.10	29.67 2.27 -6.59	27.01 2.25 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.32 2.17 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.31 2.73 -5.38	33.05 3.04 -3.80	29.47 2.82 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.29 1.99 -0.04	19.65 1.84 0.00
HOLTSVILLE_IC_9 23698	19.29 1.80 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.58 1.55 -0.53	20.99 1.87 -2.28	29.80 2.26 -7.38	31.22 2.45 -7.10	29.67 2.27 -6.59	27.01 2.25 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.32 2.17 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.31 2.73 -5.38	33.05 3.04 -3.80	29.47 2.82 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.29 1.99 -0.04	19.65 1.84 0.00
HOMER_HL_115KV_TB2 355744	15.67 -1.39 -0.10	14.33 -1.23 -0.15	13.32 -1.08 -0.35	13.96 -1.17 -0.11	14.35 -1.26 -0.10	16.53 -0.32 0.00	19.62 -0.54 0.00	19.48 -2.30 -0.10	18.78 -2.33 -0.30	19.81 -1.20 -0.02	20.53 -1.29 0.00	20.04 -2.10 -0.04	20.14 -1.40 0.00	19.24 -0.84 0.00	18.11 -2.07 -0.06	18.30 -2.04 -0.52	18.53 -2.04 -0.56	22.09 -2.47 -0.36	24.10 -2.67 -0.56	21.97 -2.41 -0.30	21.86 -0.86 0.00	19.13 -0.55 0.00	17.75 -0.51 0.00	17.77 -0.05 0.00
HOWARD_WT_PWR 323690	16.78 -0.30 -0.13	15.28 -0.32 -0.19	14.20 -0.30 -0.44	14.84 -0.32 -0.14	15.26 -0.37 -0.13	16.58 -0.27 0.00	19.90 -0.26 0.00	21.13 -0.67 -0.13	20.53 -0.67 -0.38	20.53 -0.48 -0.02	21.36 -0.46 0.00	21.37 -0.77 -0.05	20.96 -0.58 0.00	19.82 -0.26 0.00	19.74 -0.46 -0.08	19.86 -0.61 -0.65	20.06 -0.66 -0.71	23.94 -0.70 -0.45	26.11 -0.81 -0.71	23.68 -0.77 -0.38	22.34 -0.39 0.00	19.38 -0.29 0.00	17.90 -0.37 0.00	17.66 -0.16 0.00
HQ_GEN_CEDARS 23644	7.50 -0.51 8.95	6.80 -0.48 8.14	6.18 -0.45 7.42	6.61 -0.48 7.93	6.84 -0.48 8.18	7.37 -0.59 8.89	12.00 -0.58 7.58	9.91 -0.59 11.18	5.97 -0.60 14.23	3.76 -0.61 16.62	4.26 -0.61 16.95	10.52 -0.55 11.02	9.19 -0.54 11.81	5.68 -0.52 13.88	6.09 -0.50 13.53	3.22 -0.57 16.03	5.66 -0.58 13.77	11.33 -0.73 12.14	12.00 -0.86 13.35	11.31 -0.70 12.06	11.56 -0.68 10.48	12.00 -0.61 7.07	12.00 -0.53 5.73	8.36 -0.62 8.83
HQ_GEN_CEDARS_PROXY 323590	7.50 -0.51 8.95	6.80 -0.48 8.14	6.18 -0.45 7.42	6.61 -0.48 7.93	6.84 -0.48 8.18	7.37 -0.59 8.89	12.00 -0.59 7.58	9.91 -0.58 11.18	5.97 -0.60 14.23	3.76 -0.61 16.62	4.26 -0.61 16.95	10.52 -0.55 11.02	9.19 -0.54 11.81	5.68 -0.52 13.88	6.09 -0.50 13.53	3.22 -0.58 16.03	5.66 -0.58 13.77	11.33 -0.73 12.14	12.00 -0.86 13.35	11.31 -0.70 12.06	11.56 -0.68 10.48	12.00 -0.61 7.07	12.00 -0.53 5.73	8.36 -0.62 8.83



HQ_GEN_IMPORT 323601	14.26 -0.39 2.31	12.94 -0.37 2.10	11.80 -0.34 1.92	12.61 -0.36 2.05	13.03 -0.36 2.11	14.15 -0.40 2.30	17.72 -0.48 1.96	18.29 -0.50 2.89	16.66 -0.48 3.68	16.19 -0.50 4.29	16.88 -0.52 4.41	18.56 -0.51 3.02	17.83 -0.49 3.22	16.02 -0.48 3.59	16.15 -0.46 3.52	15.21 -0.48 4.14	15.97 -0.48 3.56	20.29 -0.58 3.32	21.92 -0.65 3.64	20.19 -0.58 3.30	19.26 -0.57 2.90	17.16 -0.49 2.02	16.13 -0.46 1.68	14.92 -0.46 2.44
HQ_GEN_WHEEL 23651	14.26 -0.39 2.31	12.94 -0.37 2.10	11.80 -0.34 1.92	12.61 -0.36 2.05	13.03 -0.36 2.11	14.15 -0.40 2.30	17.72 -0.48 1.96	18.29 -0.50 2.89	16.66 -0.48 3.68	16.19 -0.50 4.29	16.88 -0.52 4.41	18.56 -0.51 3.02	17.83 -0.49 3.22	16.02 -0.48 3.59	16.15 -0.46 3.52	15.21 -0.48 4.14	15.97 -0.48 3.56	20.29 -0.58 3.32	21.92 -0.65 3.64	20.19 -0.58 3.30	19.26 -0.57 2.90	17.16 -0.49 2.02	16.13 -0.46 1.68	14.92 -0.46 2.44
HUDSON AVE_GT_3 23810	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.35 1.91 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.64 2.49 -2.94	27.96 2.31 -1.58	24.75 2.02 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
HUDSON AVE_GT_4 23540	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.35 1.91 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.64 2.49 -2.94	27.96 2.31 -1.58	24.75 2.02 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
HUDSON AVE_GT_5 23657	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.18 1.81 -1.56	22.91 1.83 0.00	23.74 1.92 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.35 1.91 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.64 2.49 -2.94	27.96 2.31 -1.58	24.75 2.02 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
HUDSON_AVE_10 24168	18.80 1.31 -0.54	17.33 1.14 -0.77	16.92 1.05 -1.81	16.71 1.11 -0.58	17.16 1.13 -0.53	18.10 1.25 0.00	21.64 1.47 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.33 1.82 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.62 2.46 -2.94	27.94 2.29 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.19 1.37 0.00
HUDSON___115KV_TB 4 355613	18.58 0.98 -0.64	17.22 0.88 -0.93	17.02 0.80 -2.17	16.59 0.87 -0.69	17.04 0.90 -0.64	17.86 1.01 0.00	21.33 1.17 0.00	23.24 0.93 -0.63	23.53 0.85 -1.87	22.07 0.97 -0.12	22.73 0.92 0.00	23.27 0.93 -0.25	22.45 0.90 0.00	20.97 0.88 0.00	21.33 0.83 -0.38	23.85 0.81 -3.21	24.48 0.94 -3.53	27.68 1.23 -2.25	31.10 1.36 -3.53	27.12 1.16 -1.89	23.95 1.23 0.00	20.66 0.98 0.00	19.14 0.88 0.00	18.62 0.80 0.00
HUNTER MOUNT___DRP 323613	18.53 0.95 -0.62	17.17 0.85 -0.90	16.94 0.77 -2.11	16.54 0.84 -0.68	17.00 0.88 -0.62	17.91 1.06 0.00	21.41 1.25 0.00	23.16 0.87 -0.62	23.40 0.77 -1.82	22.07 0.97 -0.11	22.71 0.89 0.00	23.24 0.91 -0.24	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.78 -0.37	23.69 0.73 -3.13	24.29 0.84 -3.44	27.52 1.14 -2.19	30.93 1.28 -3.43	26.95 1.04 -1.84	23.93 1.20 0.00	20.64 0.96 0.00	19.09 0.82 0.00	18.59 0.77 0.00
HUNTINGTON_RES_REC 323705	19.24 1.75 -0.54	17.70 1.51 -0.77	17.24 1.38 -1.81	17.04 1.44 -0.58	17.51 1.47 -0.53	20.89 1.77 -2.28	29.66 2.12 -7.38	31.11 2.34 -7.10	29.67 2.27 -6.59	27.03 2.27 -3.78	28.44 2.36 -4.26	30.53 2.39 -6.05	29.86 2.33 -5.98	29.40 2.25 -7.07	29.40 2.25 -7.03	29.34 2.22 -7.29	28.77 2.34 -6.42	32.38 2.81 -5.38	33.10 3.09 -3.80	29.49 2.84 -2.58	28.19 2.59 -2.87	26.48 2.11 -4.69	20.27 1.97 -0.04	19.64 1.82 0.00
HUNTLEY___63 23557	15.86 -1.19 -0.09	14.55 -0.99 -0.13	13.49 -0.86 -0.29	14.20 -0.92 -0.09	14.56 -1.02 -0.09	15.75 -1.10 0.00	18.89 -1.27 0.00	19.85 -1.91 -0.09	19.02 -2.04 -0.25	18.97 -2.04 -0.02	19.72 -2.09 0.00	19.81 -2.32 -0.03	19.22 -2.33 0.00	18.16 -1.93 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.43	18.50 -1.98 -0.47	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.68 -2.05 0.00	18.12 -1.55 0.00	16.88 -1.39 0.00	16.89 -0.93 0.00
HUNTLEY___64 23558	15.86 -1.19 -0.09	14.55 -0.99 -0.13	13.49 -0.86 -0.29	14.20 -0.92 -0.09	14.56 -1.02 -0.09	15.75 -1.10 0.00	18.89 -1.27 0.00	19.85 -1.91 -0.09	19.02 -2.04 -0.25	18.97 -2.04 -0.02	19.72 -2.09 0.00	19.81 -2.32 -0.03	19.22 -2.33 0.00	18.16 -1.93 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.43	18.50 -1.98 -0.47	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.68 -2.05 0.00	18.12 -1.55 0.00	16.88 -1.39 0.00	16.89 -0.93 0.00
HUNTLEY___65 23559	15.86 -1.19 -0.09	14.55 -0.99 -0.13	13.49 -0.86 -0.29	14.20 -0.92 -0.09	14.56 -1.02 -0.09	15.75 -1.10 0.00	18.89 -1.27 0.00	19.85 -1.91 -0.09	19.02 -2.04 -0.25	18.97 -2.04 -0.02	19.72 -2.09 0.00	19.81 -2.32 -0.03	19.22 -2.33 0.00	18.16 -1.93 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.43	18.50 -1.98 -0.47	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.68 -2.05 0.00	18.12 -1.55 0.00	16.88 -1.39 0.00	16.89 -0.93 0.00
HUNTLEY___66 23560	15.86 -1.19 -0.09	14.55 -0.99 -0.13	13.49 -0.86 -0.29	14.20 -0.92 -0.09	14.56 -1.02 -0.09	15.75 -1.10 0.00	18.89 -1.27 0.00	19.85 -1.91 -0.09	19.02 -2.04 -0.25	18.97 -2.04 -0.02	19.72 -2.09 0.00	19.81 -2.32 -0.03	19.22 -2.33 0.00	18.16 -1.93 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.43	18.50 -1.98 -0.47	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.68 -2.05 0.00	18.12 -1.55 0.00	16.88 -1.39 0.00	16.89 -0.93 0.00
HUNTLEY___67 23561	15.83 -1.22 -0.09	14.49 -1.05 -0.13	13.43 -0.91 -0.30	14.14 -0.98 -0.09	14.50 -1.09 -0.09	15.74 -1.11 0.00	18.87 -1.29 0.00	19.81 -1.95 -0.09	18.99 -2.08 -0.25	18.95 -2.06 -0.02	19.70 -2.12 0.00	19.76 -2.36 -0.03	19.20 -2.35 0.00	18.14 -1.95 0.00	18.14 -2.03 -0.05	18.26 -2.00 -0.44	18.46 -2.02 -0.48	22.03 -2.47 -0.30	24.01 -2.67 -0.47	21.92 -2.41 -0.25	20.63 -2.09 0.00	18.08 -1.59 0.00	16.86 -1.41 0.00	16.87 -0.94 0.00
HUNTLEY___68 23562	15.83 -1.22 -0.09	14.49 -1.05 -0.13	13.43 -0.91 -0.30	14.14 -0.98 -0.09	14.50 -1.09 -0.09	15.74 -1.11 0.00	18.87 -1.29 0.00	19.81 -1.95 -0.09	18.99 -2.08 -0.25	18.95 -2.06 -0.02	19.70 -2.12 0.00	19.76 -2.36 -0.03	19.20 -2.35 0.00	18.14 -1.95 0.00	18.14 -2.03 -0.05	18.26 -2.00 -0.44	18.46 -2.02 -0.48	22.03 -2.47 -0.30	24.01 -2.67 -0.47	21.92 -2.41 -0.25	20.63 -2.09 0.00	18.08 -1.59 0.00	16.86 -1.41 0.00	16.87 -0.94 0.00



HYLAND___LFGE 323620	17.24 0.17 -0.11	15.70 0.12 -0.16	14.53 0.10 -0.38	15.25 0.11 -0.12	15.72 0.11 -0.11	17.05 0.20 0.00	20.45 0.28 0.00	21.96 0.17 -0.11	21.16 0.02 -0.32	20.97 -0.04 -0.02	21.73 -0.09 0.00	21.92 -0.22 -0.04	21.35 -0.19 0.00	20.09 0.00 0.00	20.27 0.08 -0.07	20.58 0.20 -0.56	20.98 0.36 -0.60	25.19 0.61 -0.39	27.44 0.63 -0.60	24.90 0.51 -0.32	23.31 0.59 0.00	20.23 0.55 0.00	18.68 0.42 0.00	18.48 0.66 0.00
INDECK___CORINTH 23802	18.57 0.93 -0.68	17.24 0.83 -0.99	17.12 0.76 -2.31	16.57 0.81 -0.74	17.03 0.85 -0.68	17.83 0.98 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.07 1.27 -1.99	22.46 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.83 1.31 -0.40	24.52 1.27 -3.42	25.03 1.26 -3.76	28.19 1.60 -2.40	31.67 1.70 -3.75	27.48 1.40 -2.01	24.11 1.39 0.00	20.72 1.04 0.00	19.16 0.89 0.00	18.64 0.82 0.00
INDECK___ILION 23567	17.77 0.34 -0.47	16.14 0.29 -0.43	14.71 0.27 -0.39	15.71 0.27 -0.42	16.20 0.26 -0.43	17.61 0.29 -0.47	20.91 0.34 -0.40	22.64 0.37 -0.59	21.94 0.37 -0.76	22.25 0.38 -0.88	23.14 0.41 -0.91	23.14 0.42 -0.62	22.63 0.43 -0.66	21.22 0.40 -0.74	21.25 0.40 -0.72	21.07 0.40 -0.85	21.12 0.38 -0.73	25.34 0.46 -0.68	27.46 0.50 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.43 0.33 -0.42	18.92 0.31 -0.34	18.62 0.30 -0.50
INDECK___OLEAN 23982	15.67 -1.39 -0.10	14.33 -1.23 -0.15	13.32 -1.08 -0.35	13.96 -1.17 -0.11	14.35 -1.26 -0.10	16.53 -0.32 0.00	19.60 -0.56 0.00	19.48 -2.30 -0.10	18.78 -2.33 -0.30	19.81 -1.20 -0.02	20.53 -1.29 0.00	20.04 -2.10 -0.04	20.14 -1.40 0.00	19.24 -0.84 0.00	18.07 -2.11 -0.06	18.30 -2.04 -0.52	18.53 -2.04 -0.56	22.09 -2.47 -0.36	24.10 -2.67 -0.56	21.97 -2.41 -0.30	21.86 -0.86 0.00	19.13 -0.55 0.00	17.75 -0.51 0.00	17.80 -0.02 0.00
INDECK___OSWEGO 23783	16.39 -0.36 0.22	14.92 -0.32 0.17	13.71 -0.30 0.05	14.52 -0.32 0.18	15.00 -0.31 0.19	16.23 -0.35 0.27	19.51 -0.42 0.23	20.93 -0.46 0.28	20.10 -0.44 0.27	20.04 -0.46 0.49	20.85 -0.46 0.51	21.28 -0.49 0.33	20.70 -0.47 0.37	19.17 -0.50 0.41	19.26 -0.48 0.38	19.13 -0.48 0.22	19.40 -0.48 0.13	23.44 -0.56 0.20	25.47 -0.60 0.14	23.26 -0.58 0.23	21.87 -0.52 0.33	19.11 -0.33 0.23	17.76 -0.31 0.19	17.30 -0.23 0.28
INDECK___YERKES 23781	15.88 -1.17 -0.09	14.57 -0.97 -0.13	13.50 -0.84 -0.29	14.21 -0.90 -0.09	14.56 -1.02 -0.09	15.77 -1.08 0.00	18.89 -1.27 0.00	19.87 -1.89 -0.09	19.05 -2.02 -0.25	18.99 -2.01 -0.02	19.74 -2.07 0.00	19.83 -2.30 -0.03	19.24 -2.30 0.00	18.20 -1.89 0.00	18.14 -2.03 -0.05	18.34 -1.92 -0.43	18.52 -1.96 -0.47	22.13 -2.37 -0.30	24.11 -2.57 -0.47	22.01 -2.31 -0.25	20.70 -2.02 0.00	18.14 -1.53 0.00	16.88 -1.39 0.00	16.96 -0.85 0.00
INDIAN POINT_GT_1 24139	18.67 1.19 -0.53	17.24 1.06 -0.76	16.81 0.97 -1.79	16.63 1.04 -0.57	17.08 1.05 -0.52	18.05 1.20 0.00	21.58 1.41 0.00	23.78 1.58 -0.52	23.95 1.60 -1.54	22.70 1.62 -0.10	23.50 1.68 0.00	24.02 1.72 -0.20	23.25 1.70 0.00	21.75 1.67 0.00	22.09 1.65 -0.31	24.10 1.63 -2.65	24.62 1.70 -2.91	28.06 2.01 -1.85	31.31 2.20 -2.90	27.65 2.02 -1.56	24.54 1.82 0.00	21.15 1.48 0.00	19.62 1.35 0.00	19.05 1.23 0.00
INDIAN POINT_GT_2 23659	18.67 1.19 -0.53	17.24 1.06 -0.76	16.81 0.97 -1.79	16.63 1.04 -0.57	17.08 1.05 -0.52	18.05 1.20 0.00	21.58 1.41 0.00	23.78 1.58 -0.52	23.95 1.60 -1.54	22.70 1.62 -0.10	23.50 1.68 0.00	24.02 1.72 -0.20	23.25 1.70 0.00	21.75 1.67 0.00	22.09 1.65 -0.31	24.10 1.63 -2.65	24.62 1.70 -2.91	28.06 2.01 -1.85	31.31 2.20 -2.90	27.65 2.02 -1.56	24.54 1.82 0.00	21.15 1.48 0.00	19.62 1.35 0.00	19.05 1.23 0.00
INDIAN POINT_GT_3 24019	18.67 1.19 -0.53	17.24 1.06 -0.76	16.81 0.97 -1.79	16.63 1.04 -0.57	17.08 1.05 -0.52	18.05 1.20 0.00	21.58 1.41 0.00	23.78 1.58 -0.52	23.95 1.60 -1.54	22.70 1.62 -0.10	23.50 1.68 0.00	24.02 1.72 -0.20	23.25 1.70 0.00	21.75 1.67 0.00	22.09 1.65 -0.31	24.10 1.63 -2.65	24.62 1.70 -2.91	28.06 2.01 -1.85	31.31 2.20 -2.90	27.65 2.02 -1.56	24.54 1.82 0.00	21.15 1.48 0.00	19.62 1.35 0.00	19.05 1.23 0.00
INDIAN POINT___2 23530	18.65 1.17 -0.52	17.22 1.05 -0.76	16.79 0.97 -1.77	16.61 1.02 -0.57	17.08 1.05 -0.52	18.03 1.18 0.00	21.55 1.39 0.00	23.75 1.56 -0.52	23.92 1.58 -1.52	22.68 1.59 -0.09	23.48 1.66 0.00	24.00 1.70 -0.20	23.22 1.68 0.00	21.71 1.63 0.00	22.06 1.63 -0.31	24.05 1.61 -2.62	24.57 1.68 -2.88	28.02 1.98 -1.84	31.26 2.17 -2.87	27.61 2.00 -1.54	24.52 1.79 0.00	21.14 1.46 0.00	19.62 1.35 0.00	19.03 1.21 0.00
INDIAN POINT___3 23531	18.68 1.19 -0.53	17.23 1.05 -0.77	16.81 0.97 -1.79	16.63 1.04 -0.57	17.08 1.05 -0.53	18.03 1.18 0.00	21.55 1.39 0.00	23.76 1.56 -0.52	23.94 1.58 -1.54	22.70 1.62 -0.10	23.48 1.66 0.00	24.00 1.70 -0.20	23.22 1.68 0.00	21.73 1.65 0.00	22.07 1.63 -0.31	24.08 1.61 -2.65	24.61 1.68 -2.91	28.04 1.98 -1.86	31.30 2.18 -2.91	27.63 2.00 -1.56	24.52 1.80 0.00	21.14 1.46 0.00	19.62 1.35 0.00	19.05 1.23 0.00
INGHAM_C_115KV_TB7 356103	17.86 0.42 -0.47	16.23 0.39 -0.43	14.77 0.32 -0.39	15.74 0.30 -0.42	16.21 0.28 -0.43	17.61 0.29 -0.47	20.93 0.36 -0.40	22.66 0.39 -0.59	21.98 0.42 -0.76	22.25 0.38 -0.88	23.16 0.44 -0.91	23.18 0.46 -0.62	22.68 0.47 -0.66	21.26 0.44 -0.74	21.27 0.42 -0.72	21.09 0.42 -0.85	21.12 0.38 -0.73	25.31 0.44 -0.68	27.43 0.47 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.39 0.30 -0.42	18.90 0.29 -0.34	18.64 0.32 -0.50
IP CORINTH___1 23988	18.57 0.93 -0.68	17.24 0.83 -0.99	17.12 0.76 -2.31	16.57 0.81 -0.74	17.03 0.85 -0.68	17.83 0.98 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.07 1.27 -1.99	22.45 1.34 -0.12	23.21 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.83 1.31 -0.40	24.51 1.27 -3.42	25.03 1.26 -3.76	28.19 1.60 -2.40	31.67 1.70 -3.75	27.48 1.40 -2.01	24.11 1.39 0.00	20.72 1.04 0.00	19.16 0.89 0.00	18.64 0.82 0.00
IP___TICONDEROGA 23804	19.03 1.39 -0.68	17.65 1.25 -0.99	17.47 1.11 -2.31	16.96 1.20 -0.74	17.45 1.27 -0.68	18.32 1.47 0.00	22.06 1.90 0.00	24.38 2.04 -0.67	24.90 2.10 -1.99	23.38 2.27 -0.12	24.20 2.38 0.00	24.74 2.39 -0.26	23.63 2.09 0.00	22.11 2.03 0.00	22.60 2.07 -0.40	25.14 1.90 -3.41	25.67 1.90 -3.76	29.01 2.42 -2.39	32.50 2.54 -3.75	28.13 2.05 -2.01	24.77 2.05 0.00	21.25 1.57 0.00	19.60 1.33 0.00	19.07 1.25 0.00
ISLIP_RES_REC 323679	19.36 1.87 -0.54	17.81 1.62 -0.77	17.37 1.50 -1.81	17.15 1.55 -0.58	17.63 1.60 -0.53	21.06 1.94 -2.28	29.88 2.34 -7.38	31.33 2.56 -7.10	29.77 2.37 -6.59	27.12 2.35 -3.78	28.50 2.42 -4.26	30.57 2.43 -6.05	29.90 2.37 -5.98	29.44 2.29 -7.07	29.44 2.29 -7.03	29.38 2.26 -7.29	28.81 2.38 -6.42	32.48 2.90 -5.38	33.21 3.20 -3.80	29.59 2.94 -2.58	28.30 2.70 -2.87	26.54 2.16 -4.69	20.36 2.06 -0.04	19.73 1.91 0.00



JAMAICA__27_KV_LOAD 355505	18.87 1.37 -0.54	17.41 1.22 -0.77	16.97 1.11 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.16 1.31 0.00	21.76 1.59 0.00	24.07 1.86 -0.53	24.29 1.91 -1.56	23.04 1.95 -0.10	23.87 2.05 0.00	24.38 2.08 -0.21	23.61 2.07 0.00	22.11 2.03 0.00	22.47 2.03 -0.32	24.49 1.98 -2.68	25.08 2.12 -2.95	28.57 2.49 -1.88	31.88 2.73 -2.94	28.18 2.53 -1.58	24.91 2.18 0.00	21.47 1.79 0.00	19.96 1.70 0.00	19.30 1.48 0.00
JANIS__SOLAR 323808	17.85 0.73 -0.16	16.29 0.65 -0.23	15.15 0.56 -0.54	15.79 0.60 -0.17	16.31 0.65 -0.16	17.72 0.88 0.00	21.31 1.15 0.00	22.94 1.10 -0.16	22.30 1.02 -0.46	22.09 1.07 -0.03	22.95 1.13 0.00	23.22 1.06 -0.06	22.64 1.10 0.00	21.19 1.10 0.00	21.22 1.01 -0.09	21.63 1.01 -0.80	21.97 1.10 -0.86	26.29 1.55 -0.55	28.82 1.76 -0.86	26.12 1.59 -0.46	24.34 1.61 0.00	21.08 1.40 0.00	19.43 1.17 0.00	19.10 1.28 0.00
JARVIS____ 23743	17.64 0.20 -0.47	16.03 0.19 -0.43	14.61 0.17 -0.39	15.62 0.18 -0.42	16.12 0.19 -0.43	17.52 0.20 -0.47	20.81 0.24 -0.40	22.53 0.26 -0.59	21.82 0.25 -0.76	22.14 0.27 -0.88	23.01 0.28 -0.91	23.00 0.29 -0.62	22.48 0.28 -0.66	21.08 0.26 -0.74	21.11 0.26 -0.72	20.93 0.26 -0.85	21.00 0.26 -0.73	25.19 0.31 -0.68	27.30 0.34 -0.75	25.06 0.31 -0.68	23.61 0.29 -0.60	20.33 0.24 -0.42	18.83 0.22 -0.34	18.52 0.20 -0.50
JENNISON____1 23625	18.07 0.92 -0.20	16.52 0.82 -0.29	15.45 0.73 -0.67	16.00 0.77 -0.21	16.52 0.82 -0.20	17.93 1.08 0.00	21.60 1.43 0.00	23.21 1.34 -0.20	22.72 1.33 -0.58	22.45 1.43 -0.04	23.32 1.51 0.00	23.63 1.46 -0.08	23.05 1.51 0.00	21.55 1.47 0.00	21.61 1.37 -0.12	22.15 1.33 -0.99	22.45 1.36 -1.08	26.72 1.84 -0.69	29.39 2.10 -1.08	26.55 1.90 -0.58	24.68 1.95 0.00	21.33 1.65 0.00	19.67 1.41 0.00	19.30 1.48 0.00
JENNISON____2 23626	18.07 0.92 -0.20	16.52 0.82 -0.29	15.45 0.73 -0.67	16.00 0.77 -0.21	16.52 0.82 -0.20	17.93 1.08 0.00	21.60 1.43 0.00	23.21 1.34 -0.20	22.72 1.33 -0.58	22.45 1.43 -0.04	23.32 1.51 0.00	23.63 1.46 -0.08	23.05 1.51 0.00	21.55 1.47 0.00	21.61 1.37 -0.12	22.15 1.33 -0.99	22.45 1.36 -1.08	26.72 1.84 -0.69	29.39 2.10 -1.08	26.55 1.90 -0.58	24.68 1.95 0.00	21.33 1.65 0.00	19.67 1.41 0.00	19.30 1.48 0.00
JERICOHO_RISE_WT_PWR 323719	6.97 -0.78 9.21	6.29 -0.74 8.38	5.72 -0.69 7.64	6.16 -0.69 8.17	6.40 -0.68 8.42	6.95 -0.74 9.15	11.47 -0.89 7.80	9.18 -0.97 11.51	4.97 -1.19 14.66	2.53 -1.34 17.11	-0.22 -1.51 20.53	-7.97 -1.46 28.61	-7.85 -1.44 27.95	4.45 -1.35 14.29	3.02 -1.33 15.77	1.95 -1.37 16.50	4.49 -1.34 14.18	-8.00 -1.67 30.53	-8.02 -1.84 32.40	-8.00 -1.66 30.41	-8.06 -1.61 29.17	-8.18 -1.40 26.46	-8.21 -1.30 25.18	-7.89 -1.32 24.39
KATONAH__115KV_46KV_TB4 355592	18.78 1.27 -0.55	17.34 1.14 -0.79	16.93 1.04 -1.84	16.74 1.13 -0.59	17.17 1.13 -0.54	18.11 1.26 0.00	21.68 1.51 0.00	23.90 1.69 -0.54	24.06 1.67 -1.59	22.79 1.70 -0.10	23.61 1.79 0.00	24.14 1.83 -0.21	23.33 1.79 0.00	21.81 1.73 0.00	22.18 1.73 -0.32	24.30 1.74 -2.73	24.81 1.80 -3.00	28.26 2.15 -1.91	31.54 2.33 -2.99	27.82 2.14 -1.60	24.63 1.91 0.00	21.21 1.53 0.00	19.65 1.39 0.00	19.08 1.27 0.00
KCE_NY_1 323755	18.64 1.00 -0.68	17.31 0.91 -0.98	17.17 0.81 -2.30	16.64 0.89 -0.74	17.09 0.91 -0.68	17.88 1.03 0.00	21.41 1.25 0.00	23.67 1.32 -0.67	24.09 1.29 -1.98	22.46 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.81 1.29 -0.40	24.48 1.25 -3.41	25.00 1.24 -3.75	28.13 1.55 -2.39	31.60 1.65 -3.74	27.52 1.44 -2.00	24.13 1.41 0.00	20.78 1.10 0.00	19.23 0.97 0.00	18.74 0.93 0.00
KCE_NY_6_ESR 323823	15.86 -1.19 -0.09	14.53 -1.02 -0.13	13.47 -0.88 -0.31	14.16 -0.96 -0.10	14.50 -1.09 -0.09	15.94 -0.91 0.00	19.11 -1.05 0.00	19.86 -1.91 -0.09	19.04 -2.04 -0.26	19.20 -1.81 -0.02	19.96 -1.85 0.00	19.94 -2.19 -0.03	19.48 -2.07 0.00	18.42 -1.67 0.00	18.12 -2.05 -0.05	18.33 -1.94 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.60 -0.49	22.00 -2.33 -0.26	20.93 -1.80 0.00	18.34 -1.34 0.00	17.08 -1.19 0.00	17.14 -0.68 0.00
KEDC_PORT_JEFF_GT2 24210	19.26 1.76 -0.54	17.73 1.54 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.96 1.84 -2.28	29.76 2.22 -7.38	31.18 2.41 -7.10	29.65 2.25 -6.59	26.99 2.22 -3.78	28.35 2.27 -4.26	30.40 2.25 -6.05	29.73 2.20 -5.98	29.28 2.13 -7.07	29.28 2.13 -7.03	29.24 2.12 -7.29	28.65 2.22 -6.42	32.29 2.71 -5.38	33.03 3.01 -3.80	29.45 2.79 -2.58	28.16 2.57 -2.87	26.42 2.05 -4.69	20.27 1.97 -0.04	19.64 1.82 0.00
KEDC_PORT_JEFF_GT3 24211	19.26 1.76 -0.54	17.73 1.54 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.96 1.84 -2.28	29.76 2.22 -7.38	31.18 2.41 -7.10	29.65 2.25 -6.59	26.99 2.22 -3.78	28.35 2.27 -4.26	30.40 2.25 -6.05	29.73 2.20 -5.98	29.28 2.13 -7.07	29.28 2.13 -7.03	29.24 2.12 -7.29	28.65 2.22 -6.42	32.29 2.71 -5.38	33.03 3.01 -3.80	29.45 2.79 -2.58	28.16 2.57 -2.87	26.42 2.05 -4.69	20.27 1.97 -0.04	19.64 1.82 0.00
KEDC_GLWD_GT4 24219	19.12 1.63 -0.54	17.59 1.40 -0.78	17.15 1.29 -1.81	16.94 1.34 -0.58	17.41 1.38 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.60	26.98 2.20 -3.79	28.40 2.31 -4.27	30.53 2.39 -6.05	29.89 2.35 -5.99	29.42 2.27 -7.07	29.41 2.25 -7.03	29.33 2.20 -7.31	28.72 2.28 -6.43	32.29 2.71 -5.38	32.95 2.93 -3.80	29.35 2.70 -2.58	28.05 2.45 -2.87	26.43 2.01 -4.74	20.17 1.86 -0.04	19.51 1.69 0.00
KEDC_GLWD_GT5 24220	19.12 1.63 -0.54	17.59 1.40 -0.78	17.15 1.29 -1.81	16.94 1.34 -0.58	17.41 1.38 -0.53	20.74 1.62 -2.28	29.46 1.92 -7.38	30.92 2.15 -7.10	29.55 2.14 -6.60	26.98 2.20 -3.79	28.40 2.31 -4.27	30.53 2.39 -6.05	29.89 2.35 -5.99	29.42 2.27 -7.07	29.41 2.25 -7.03	29.33 2.20 -7.31	28.72 2.28 -6.43	32.29 2.71 -5.38	32.95 2.93 -3.80	29.35 2.70 -2.58	28.05 2.45 -2.87	26.43 2.01 -4.74	20.17 1.86 -0.04	19.51 1.69 0.00
KENSICO____ 23655	18.73 1.24 -0.53	17.30 1.11 -0.77	16.87 1.01 -1.81	16.68 1.08 -0.58	17.13 1.10 -0.53	18.08 1.23 0.00	21.62 1.45 0.00	23.85 1.65 -0.53	24.03 1.67 -1.55	22.78 1.70 -0.10	23.59 1.77 0.00	24.11 1.81 -0.21	23.33 1.79 0.00	21.81 1.73 0.00	22.17 1.73 -0.31	24.20 1.70 -2.67	24.73 1.78 -2.94	28.17 2.10 -1.87	31.42 2.28 -2.93	27.76 2.12 -1.57	24.61 1.89 0.00	21.21 1.53 0.00	19.69 1.42 0.00	19.10 1.28 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	18.60 1.14 -0.51	17.15 1.00 -0.73	16.68 0.91 -1.72	16.55 0.98 -0.55	17.01 1.01 -0.50	18.03 1.18 0.00	21.62 1.45 0.00	23.67 1.50 -0.50	23.75 1.46 -1.48	22.55 1.47 -0.09	23.28 1.46 0.00	23.84 1.55 -0.20	22.86 1.31 0.00	21.35 1.27 0.00	21.69 1.27 -0.30	23.64 1.27 -2.54	24.21 1.40 -2.80	27.69 1.72 -1.78	30.91 1.91 -2.79	27.25 1.69 -1.50	24.47 1.75 0.00	21.06 1.38 0.00	19.51 1.24 0.00	18.96 1.14 0.00



KIAC_JFK_GT1 23816	18.82 1.32 -0.54	17.36 1.17 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.22 1.85 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	24.31 2.01 -0.21	23.55 2.00 0.00	22.05 1.97 0.00	22.41 1.97 -0.32	24.43 1.92 -2.68	25.00 2.04 -2.95	28.49 2.42 -1.88	31.80 2.65 -2.94	28.08 2.43 -1.58	24.84 2.11 0.00	21.41 1.73 0.00	19.91 1.64 0.00	19.24 1.43 0.00
KIAC_JFK_GT2 23817	18.82 1.32 -0.54	17.36 1.17 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.22 1.85 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	24.31 2.01 -0.21	23.55 2.00 0.00	22.05 1.97 0.00	22.41 1.97 -0.32	24.43 1.92 -2.68	25.00 2.04 -2.95	28.49 2.42 -1.88	31.80 2.65 -2.94	28.08 2.43 -1.58	24.84 2.11 0.00	21.41 1.73 0.00	19.91 1.64 0.00	19.24 1.43 0.00
KIAC_JFK____ 323774	18.82 1.32 -0.54	17.36 1.17 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.22 1.85 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	24.31 2.01 -0.21	23.55 2.00 0.00	22.03 1.95 0.00	22.41 1.97 -0.32	24.43 1.92 -2.68	25.00 2.04 -2.95	28.49 2.42 -1.88	31.80 2.65 -2.94	28.08 2.43 -1.58	24.86 2.14 0.00	21.41 1.73 0.00	19.91 1.64 0.00	19.21 1.39 0.00
KINTIGH____ 23543	16.09 -0.95 -0.08	14.74 -0.79 -0.11	13.63 -0.69 -0.27	14.38 -0.72 -0.09	14.77 -0.81 -0.08	15.75 -1.10 0.00	18.91 -1.25 0.00	20.28 -1.47 -0.08	19.44 -1.60 -0.23	19.11 -1.89 -0.01	19.88 -1.94 0.00	20.16 -1.97 -0.03	19.41 -2.13 0.00	18.26 -1.83 0.00	18.60 -1.57 -0.05	18.68 -1.55 -0.40	18.88 -1.56 -0.43	22.58 -1.89 -0.28	24.57 -2.07 -0.43	22.43 -1.88 -0.23	20.77 -1.95 0.00	18.18 -1.50 0.00	16.93 -1.33 0.00	16.86 -0.96 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	7.09 -0.53 9.35	6.39 -0.52 8.50	5.81 -0.49 7.75	6.24 -0.50 8.29	6.49 -0.47 8.54	7.07 -0.49 9.29	11.66 -0.58 7.92	9.34 -0.65 11.68	5.03 -0.92 14.87	2.56 -1.07 17.36	0.01 -1.18 20.63	-6.87 -1.06 27.90	-6.85 -1.06 27.34	4.48 -1.10 14.50	3.16 -1.09 15.88	1.97 -1.11 16.74	4.59 -1.04 14.38	-6.82 -1.21 29.80	-6.79 -1.34 31.66	-6.82 -1.20 29.69	-6.86 -1.18 28.40	-6.94 -1.02 25.60	-7.00 -0.97 24.29	-6.90 -0.96 23.76
LACHUTE____HYDRO 323717	19.03 1.39 -0.68	17.65 1.25 -0.99	17.47 1.11 -2.31	16.96 1.20 -0.74	17.45 1.27 -0.68	18.31 1.47 0.00	22.06 1.89 0.00	24.38 2.04 -0.67	24.90 2.10 -1.99	23.38 2.27 -0.12	24.20 2.38 0.00	24.74 2.39 -0.26	23.63 2.09 0.00	22.11 2.03 0.00	22.60 2.07 -0.40	25.14 1.90 -3.41	25.67 1.90 -3.76	29.01 2.42 -2.39	32.50 2.54 -3.75	28.12 2.04 -2.01	24.77 2.05 0.00	21.25 1.57 0.00	19.60 1.33 0.00	19.07 1.25 0.00
LAWRNCALV_115KV_TB1 80681	8.40 -0.68 7.88	7.61 -0.63 7.17	6.91 -0.60 6.54	7.40 -0.63 6.99	7.66 -0.64 7.20	8.18 -0.84 7.83	12.58 -0.91 6.68	10.91 -0.91 9.85	7.36 -0.92 12.54	5.42 -0.92 14.64	6.21 -0.92 14.69	13.03 -0.73 8.33	11.66 -0.73 9.15	7.17 -0.68 12.23	7.68 -0.66 11.78	4.85 -0.85 14.12	7.00 -0.88 12.13	13.85 -1.09 9.26	14.71 -1.23 10.27	13.84 -1.04 9.19	13.93 -1.02 7.77	14.11 -0.87 4.70	14.06 -0.69 3.52	10.47 -0.78 6.56
LEDERLE____ 23769	18.70 1.22 -0.52	17.26 1.09 -0.75	16.80 1.00 -1.75	16.64 1.07 -0.56	17.11 1.10 -0.51	18.08 1.23 0.00	21.64 1.47 0.00	23.81 1.63 -0.51	23.96 1.64 -1.50	22.74 1.66 -0.09	23.52 1.70 0.00	24.04 1.75 -0.20	23.27 1.72 0.00	21.77 1.69 0.00	22.10 1.67 -0.30	24.06 1.65 -2.59	24.59 1.74 -2.84	28.06 2.06 -1.81	31.30 2.25 -2.84	27.66 2.07 -1.52	24.59 1.86 0.00	21.19 1.52 0.00	19.65 1.39 0.00	19.08 1.27 0.00
LIGHTHSE_115KV_TB6 355974	15.96 -0.34 0.66	14.53 -0.31 0.57	13.33 -0.30 0.42	14.13 -0.32 0.57	14.59 -0.31 0.60	15.81 -0.34 0.70	19.22 -0.34 0.60	20.47 -0.37 0.83	19.48 -0.35 0.98	19.31 -0.38 1.30	20.10 -0.37 1.34	20.79 -0.40 0.90	20.18 -0.39 0.98	18.59 -0.40 1.09	18.70 -0.38 1.04	18.44 -0.36 1.03	18.83 -0.36 0.82	23.01 -0.34 0.85	25.02 -0.34 0.85	22.87 -0.34 0.87	21.55 -0.30 0.88	18.87 -0.20 0.62	17.53 -0.22 0.51	16.92 -0.16 0.74
LINDEN COGEN____ 23786	18.75 1.25 -0.54	17.30 1.11 -0.77	16.89 1.03 -1.81	16.69 1.10 -0.58	17.13 1.10 -0.53	18.08 1.23 0.00	21.57 1.41 0.00	23.85 1.65 -0.53	24.08 1.71 -1.56	22.81 1.72 -0.10	23.61 1.79 0.00	24.16 1.86 -0.21	23.40 1.85 0.00	21.89 1.81 0.00	22.25 1.81 -0.32	24.25 1.75 -2.68	24.80 1.84 -2.95	28.23 2.15 -1.88	31.51 2.36 -2.94	27.84 2.19 -1.58	24.65 1.93 0.00	21.25 1.57 0.00	19.78 1.52 0.00	19.12 1.30 0.00
LINDHRST_69_KV_BK1 356055	19.26 1.76 -0.54	17.72 1.53 -0.77	17.25 1.39 -1.81	17.04 1.44 -0.58	17.52 1.49 -0.53	20.91 1.79 -2.28	29.66 2.12 -7.38	31.11 2.34 -7.10	29.71 2.31 -6.59	27.10 2.33 -3.78	28.51 2.42 -4.27	30.62 2.47 -6.05	29.97 2.43 -5.99	29.50 2.35 -7.07	29.50 2.35 -7.03	29.42 2.30 -7.30	28.84 2.40 -6.42	32.46 2.88 -5.38	33.16 3.15 -3.80	29.52 2.86 -2.58	28.21 2.61 -2.87	26.56 2.16 -4.71	20.31 2.01 -0.04	19.67 1.85 0.00
LIPA_MISC_IPP 23656	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.41 -1.81	17.04 1.44 -0.58	17.52 1.49 -0.53	20.94 1.82 -2.28	29.74 2.20 -7.38	31.11 2.34 -7.10	29.54 2.14 -6.59	26.86 2.10 -3.78	28.20 2.12 -4.26	30.24 2.10 -6.05	29.57 2.05 -5.98	29.12 1.97 -7.07	29.14 1.99 -7.03	29.08 1.96 -7.29	28.53 2.10 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.30 1.93 -4.69	20.20 1.90 -0.04	19.53 1.71 0.00
LISF__SOLAR 323691	19.24 1.75 -0.54	17.73 1.54 -0.77	17.28 1.42 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.98 1.85 -2.28	29.78 2.24 -7.38	31.18 2.41 -7.10	29.58 2.18 -6.59	26.89 2.12 -3.78	28.22 2.14 -4.26	30.29 2.14 -6.05	29.60 2.07 -5.98	29.16 2.01 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.57 2.14 -6.42	32.19 2.61 -5.38	32.92 2.91 -3.80	29.35 2.70 -2.58	28.10 2.50 -2.87	26.34 1.97 -4.69	20.24 1.94 -0.04	19.58 1.76 0.00
LITTLE FALLS____HYD 24013	17.86 0.42 -0.47	16.23 0.39 -0.43	14.77 0.32 -0.39	15.74 0.30 -0.42	16.21 0.28 -0.43	17.61 0.29 -0.47	20.93 0.36 -0.40	22.66 0.39 -0.59	21.98 0.42 -0.76	22.25 0.38 -0.88	23.16 0.44 -0.91	23.18 0.46 -0.62	22.68 0.47 -0.66	21.26 0.44 -0.74	21.27 0.42 -0.72	21.09 0.42 -0.85	21.12 0.38 -0.73	25.31 0.44 -0.68	27.43 0.47 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.39 0.30 -0.42	18.90 0.29 -0.34	18.64 0.32 -0.50
LITTLRIV_115KV_TB1 356100	8.73 -0.53 7.71	7.89 -0.51 7.01	7.17 -0.49 6.39	7.68 -0.51 6.83	7.94 -0.51 7.04	8.52 -0.67 7.66	12.97 -0.67 6.53	11.39 -0.65 9.63	7.91 -0.65 12.26	6.02 -0.65 14.32	6.87 -0.63 14.32	13.74 -0.46 7.89	12.38 -0.45 8.71	7.71 -0.42 11.96	8.23 -0.40 11.49	5.40 -0.61 13.81	7.51 -0.64 11.86	14.63 -0.77 8.79	15.58 -0.86 9.77	14.65 -0.70 8.72	14.72 -0.68 7.33	14.76 -0.61 4.31	14.64 -0.47 3.15	11.06 -0.57 6.19



LI_NEWBRDGE___DRP 323616	18.97 1.48 -0.54	17.47 1.28 -0.77	17.04 1.18 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	20.61 1.48 -2.28	29.30 1.75 -7.38	30.72 1.95 -7.10	29.35 1.96 -6.58	26.76 1.99 -3.78	28.13 2.05 -4.26	30.24 2.10 -6.05	29.59 2.07 -5.98	29.16 2.01 -7.07	29.16 2.01 -7.03	29.07 1.96 -7.29	28.49 2.06 -6.42	32.00 2.42 -5.38	32.66 2.65 -3.80	29.09 2.43 -2.58	27.80 2.20 -2.87	26.19 1.83 -4.68	20.00 1.70 -0.04	19.37 1.55 0.00
LOCKPORT_115KV_TB60_63_64 80432	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.39 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.77 -1.39 0.00	19.78 -1.97 -0.08	18.93 -2.12 -0.24	18.84 -2.16 -0.02	19.59 -2.23 0.00	19.70 -2.43 -0.03	19.09 -2.46 0.00	18.02 -2.07 0.00	18.14 -2.03 -0.05	18.24 -2.00 -0.42	18.45 -2.02 -0.46	22.02 -2.47 -0.29	23.99 -2.67 -0.46	21.88 -2.43 -0.24	20.52 -2.20 0.00	17.99 -1.69 0.00	16.75 -1.52 0.00	16.79 -1.03 0.00
LOCKPORT___CC1 323769	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.40 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.75 -1.41 0.00	19.78 -1.97 -0.08	18.94 -2.12 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.67 -2.45 -0.03	19.07 -2.48 0.00	18.02 -2.07 0.00	18.04 -2.13 -0.05	18.22 -2.02 -0.42	18.41 -2.06 -0.46	22.00 -2.49 -0.29	23.97 -2.70 -0.46	21.86 -2.46 -0.25	20.50 -2.23 0.00	17.97 -1.71 0.00	16.75 -1.52 0.00	16.82 -1.00 0.00
LOCKPORT___CC2 323770	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.40 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.75 -1.41 0.00	19.78 -1.97 -0.08	18.94 -2.12 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.67 -2.45 -0.03	19.07 -2.48 0.00	18.02 -2.07 0.00	18.04 -2.13 -0.05	18.22 -2.02 -0.42	18.41 -2.06 -0.46	22.00 -2.49 -0.29	23.97 -2.70 -0.46	21.86 -2.46 -0.25	20.50 -2.23 0.00	17.97 -1.71 0.00	16.75 -1.52 0.00	16.82 -1.00 0.00
LOCKPORT___CC3 323771	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.40 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.75 -1.41 0.00	19.78 -1.97 -0.08	18.94 -2.12 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.67 -2.45 -0.03	19.07 -2.48 0.00	18.02 -2.07 0.00	18.04 -2.13 -0.05	18.22 -2.02 -0.42	18.41 -2.06 -0.46	22.00 -2.49 -0.29	23.97 -2.70 -0.46	21.86 -2.46 -0.25	20.50 -2.23 0.00	17.97 -1.71 0.00	16.75 -1.52 0.00	16.82 -1.00 0.00
LONG_LAKE_PHOENIX 24014	16.72 -0.29 -0.05	15.23 -0.26 -0.08	13.99 -0.24 -0.18	14.82 -0.26 -0.06	15.31 -0.25 -0.05	16.56 -0.29 0.00	19.82 -0.34 0.00	21.36 -0.37 -0.05	20.61 -0.35 -0.16	20.64 -0.36 -0.01	21.47 -0.35 0.00	21.74 -0.38 -0.02	21.18 -0.37 0.00	19.68 -0.40 0.00	19.77 -0.38 -0.03	19.74 -0.36 -0.27	19.92 -0.38 -0.29	23.95 -0.44 -0.19	26.03 -0.47 -0.29	23.77 -0.46 -0.16	22.32 -0.41 0.00	19.44 -0.24 0.00	18.04 -0.22 0.00	17.68 -0.14 0.00
LOVETT___3 23632	18.65 1.17 -0.52	17.20 1.03 -0.75	16.76 0.96 -1.75	16.60 1.02 -0.56	17.05 1.04 -0.51	18.01 1.16 0.00	21.53 1.37 0.00	23.72 1.54 -0.51	23.88 1.56 -1.51	22.66 1.57 -0.09	23.43 1.61 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.69 1.61 0.00	22.04 1.61 -0.31	23.99 1.57 -2.60	24.52 1.66 -2.85	27.97 1.96 -1.82	31.21 2.15 -2.85	27.57 1.97 -1.53	24.50 1.77 0.00	21.12 1.44 0.00	19.60 1.33 0.00	19.03 1.21 0.00
LOVETT___4 23642	18.65 1.17 -0.52	17.20 1.03 -0.75	16.76 0.96 -1.75	16.60 1.02 -0.56	17.05 1.04 -0.51	18.01 1.16 0.00	21.53 1.37 0.00	23.72 1.54 -0.51	23.88 1.56 -1.51	22.66 1.57 -0.09	23.43 1.61 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.69 1.61 0.00	22.04 1.61 -0.31	23.99 1.57 -2.60	24.52 1.66 -2.85	27.97 1.96 -1.82	31.21 2.15 -2.85	27.57 1.97 -1.53	24.50 1.77 0.00	21.12 1.44 0.00	19.60 1.33 0.00	19.03 1.21 0.00
LOVETT___5 23593	18.65 1.17 -0.52	17.20 1.03 -0.75	16.76 0.96 -1.75	16.60 1.02 -0.56	17.05 1.04 -0.51	18.01 1.16 0.00	21.53 1.37 0.00	23.72 1.54 -0.51	23.88 1.56 -1.51	22.66 1.57 -0.09	23.43 1.61 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.69 1.61 0.00	22.04 1.61 -0.31	23.99 1.57 -2.60	24.52 1.66 -2.85	27.97 1.96 -1.82	31.21 2.15 -2.85	27.57 1.97 -1.53	24.50 1.77 0.00	21.12 1.44 0.00	19.60 1.33 0.00	19.03 1.21 0.00
LOWER RAQUET___HYD 24057	8.69 -0.73 7.54	7.87 -0.68 6.86	7.15 -0.65 6.26	7.66 -0.68 6.69	7.92 -0.68 6.89	8.44 -0.91 7.49	12.77 -1.01 6.39	11.25 -1.00 9.43	7.79 -1.02 12.00	5.95 -1.03 14.01	6.85 -1.00 13.97	13.84 -0.77 7.48	12.47 -0.77 8.30	7.64 -0.74 11.70	8.18 -0.72 11.22	5.38 -0.93 13.51	7.47 -0.98 11.56	14.70 -1.19 8.31	15.63 -1.34 9.24	14.66 -1.15 8.25	14.70 -1.11 6.91	14.79 -0.94 3.94	14.71 -0.75 2.81	11.14 -0.84 5.84
LOWER___HUDSON 24059	18.53 0.90 -0.67	17.21 0.83 -0.97	17.07 0.76 -2.26	16.55 0.81 -0.72	17.00 0.84 -0.66	17.76 0.91 0.00	21.25 1.09 0.00	23.48 1.15 -0.66	23.86 1.10 -1.95	22.24 1.13 -0.12	23.00 1.18 0.00	23.50 1.15 -0.26	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.22 1.05 -3.35	24.73 1.04 -3.68	27.80 1.26 -2.35	31.27 1.39 -3.67	27.29 1.25 -1.97	23.95 1.23 0.00	20.62 0.94 0.00	19.12 0.86 0.00	18.64 0.82 0.00
LOWVILLE_115KV_TB2 356335	15.04 -0.08 1.83	13.65 -0.11 1.66	12.47 -0.11 1.47	13.26 -0.14 1.62	13.72 -0.11 1.67	14.92 -0.08 1.84	18.61 0.02 1.57	19.40 0.02 2.30	17.99 0.06 2.89	17.59 0.04 3.44	18.47 0.07 3.41	20.46 0.09 1.73	19.68 0.09 1.95	17.29 0.08 2.87	17.49 0.10 2.73	16.69 0.08 3.22	17.36 0.08 2.73	22.57 0.24 1.86	24.48 0.31 2.05	22.47 0.26 1.86	21.41 0.27 1.59	19.02 0.20 0.86	17.80 0.11 0.58	16.58 0.11 1.34
LUTHERFT_115KV_GLOB_FND_222 355753	18.62 0.98 -0.68	17.29 0.89 -0.98	17.17 0.81 -2.30	16.63 0.87 -0.74	17.09 0.91 -0.68	17.86 1.01 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.06 1.27 -1.98	22.43 1.32 -0.12	23.19 1.37 0.00	23.75 1.39 -0.26	22.86 1.31 0.00	21.37 1.29 0.00	21.81 1.29 -0.40	24.48 1.25 -3.41	24.98 1.22 -3.75	28.11 1.52 -2.39	31.60 1.65 -3.74	27.50 1.42 -2.00	24.11 1.39 0.00	20.76 1.08 0.00	19.23 0.97 0.00	18.73 0.91 0.00
LUTHERNY_35_KV_BK2 355980	18.64 1.00 -0.68	17.31 0.91 -0.98	17.17 0.81 -2.30	16.64 0.89 -0.74	17.09 0.91 -0.68	17.88 1.03 0.00	21.41 1.25 0.00	23.67 1.32 -0.67	24.09 1.29 -1.98	22.45 1.34 -0.12	23.21 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.81 1.29 -0.40	24.48 1.25 -3.41	25.00 1.24 -3.75	28.13 1.55 -2.39	31.60 1.65 -3.74	27.52 1.44 -2.00	24.13 1.41 0.00	20.78 1.10 0.00	19.23 0.97 0.00	18.75 0.93 0.00
LWR___OSWEGATCHIE_HYD 23850	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.50 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.56 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.66 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84



LYONS_FALL_HYD 23570	16.09 0.15 1.03	14.61 0.12 0.92	13.35 0.10 0.80	14.20 0.09 0.91	14.69 0.12 0.94	15.98 0.17 1.04	19.60 0.32 0.88	20.71 0.33 1.29	19.56 0.35 1.61	19.41 0.36 1.94	20.30 0.39 1.91	21.61 0.42 0.90	20.94 0.43 1.03	18.85 0.38 1.62	19.00 0.40 1.53	18.42 0.38 1.78	18.88 0.36 1.49	23.80 0.56 0.95	25.83 0.66 1.03	23.70 0.58 0.95	22.47 0.57 0.82	19.73 0.45 0.40	18.36 0.35 0.25	17.48 0.36 0.69
MADISON___COUNTY_LFGE 323628	17.50 0.51 -0.03	15.92 0.46 -0.04	14.56 0.41 -0.10	15.49 0.44 -0.03	16.01 0.48 -0.03	17.42 0.57 0.00	20.95 0.79 0.00	22.50 0.80 -0.03	21.71 0.81 -0.08	21.83 0.84 -0.01	22.71 0.89 0.00	23.01 0.91 -0.01	22.45 0.90 0.00	20.91 0.82 0.00	20.97 0.83 -0.02	20.78 0.81 -0.14	20.97 0.76 -0.20	25.29 0.97 -0.13	27.51 1.10 -0.20	25.17 0.99 -0.11	23.70 0.98 0.00	20.51 0.83 0.00	18.98 0.71 0.00	18.57 0.75 0.00
MALONE___115KV_TB1 356076	7.59 -0.58 8.79	6.84 -0.57 8.00	6.22 -0.53 7.29	6.68 -0.54 7.80	6.94 -0.53 8.04	7.52 -0.59 8.74	12.01 -0.71 7.45	9.95 -0.74 10.99	5.89 -0.94 13.99	3.62 -1.03 16.34	5.80 -1.13 14.89	20.18 -1.04 0.88	18.00 -1.03 2.51	5.46 -0.98 13.64	6.91 -0.97 12.24	3.04 -1.03 15.75	5.48 -1.00 13.53	21.40 -1.26 1.54	22.46 -1.39 2.36	21.34 -1.25 1.48	21.79 -1.23 -0.29	22.73 -1.06 -4.11	22.77 -0.97 -5.48	16.98 -0.98 -0.14
MAPLEWOD_115KV_TB3 80458	18.52 0.90 -0.66	17.19 0.82 -0.96	17.04 0.74 -2.24	16.55 0.81 -0.72	17.00 0.84 -0.66	17.71 0.86 0.00	21.15 0.99 0.00	23.35 1.02 -0.66	23.74 1.00 -1.93	22.14 1.03 -0.12	22.89 1.07 0.00	23.39 1.04 -0.26	22.58 1.03 0.00	21.09 1.00 0.00	21.50 0.99 -0.39	24.12 0.97 -3.32	24.62 0.96 -3.65	27.73 1.21 -2.33	31.14 1.28 -3.64	27.18 1.16 -1.95	23.84 1.11 0.00	20.58 0.91 0.00	19.09 0.82 0.00	18.57 0.75 0.00
MAPLE_RIDGE_WT_1 323574	0.00 -0.70 16.26	0.00 -0.62 14.80	0.00 -0.56 13.49	0.00 -0.60 14.42	0.00 -0.64 14.86	0.00 -0.69 16.16	5.52 -0.87 13.77	0.46 -0.89 20.32	-5.83 -0.77 25.87	-10.00 -0.78 30.21	-10.00 -0.78 31.03	0.00 -0.82 21.28	-1.87 -0.80 22.62	-5.89 -0.74 25.23	-5.33 -0.72 24.73	-10.00 -0.69 29.13	-5.74 -0.72 25.03	0.00 -0.82 23.37	-0.24 -0.84 25.61	0.00 -0.84 23.23	1.54 -0.80 20.39	4.74 -0.71 14.23	5.77 -0.68 11.82	0.00 -0.66 17.16
MAPLE_RIDGE_WT_2 323611	0.00 -0.70 16.26	0.00 -0.62 14.80	0.00 -0.56 13.49	0.00 -0.60 14.42	0.00 -0.64 14.86	0.00 -0.69 16.16	5.52 -0.87 13.77	0.46 -0.89 20.32	-5.83 -0.77 25.87	-10.00 -0.78 30.21	-10.00 -0.78 31.03	0.00 -0.82 21.28	-1.87 -0.80 22.62	-5.89 -0.74 25.23	-5.33 -0.72 24.73	-10.00 -0.69 29.13	-5.74 -0.72 25.03	0.00 -0.82 23.37	-0.24 -0.84 25.61	0.00 -0.84 23.23	1.54 -0.80 20.39	4.74 -0.71 14.23	5.77 -0.68 11.82	0.00 -0.66 17.16
MARBLE_RIVER_WT_PWR 323696	6.82 -0.75 9.39	6.14 -0.72 8.55	5.60 -0.66 7.79	6.02 -0.68 8.33	6.27 -0.65 8.58	6.81 -0.71 9.33	11.36 -0.85 7.96	9.00 -0.93 11.74	4.70 -1.17 14.94	2.22 -1.32 17.45	-0.35 -1.51 20.66	-7.00 -1.44 27.66	-7.00 -1.42 27.12	4.17 -1.35 14.57	2.88 -1.33 15.92	1.65 -1.35 16.82	4.21 -1.34 14.46	-7.00 -1.65 29.55	-7.00 -1.81 31.40	-7.00 -1.64 29.43	-7.00 -1.59 28.13	-7.00 -1.38 25.30	-7.00 -1.28 23.99	-7.00 -1.28 23.54
MARSHVLE_115KV_TB1 80742	18.55 0.81 -0.78	17.27 0.72 -1.13	17.35 0.66 -2.64	16.57 0.71 -0.84	17.04 0.76 -0.78	17.79 0.94 0.00	21.45 1.29 0.00	23.79 1.34 -0.77	24.33 1.25 -2.27	22.41 1.28 -0.14	23.13 1.31 0.00	23.72 1.33 -0.30	22.84 1.29 0.00	21.33 1.25 0.00	21.83 1.25 -0.46	24.98 1.25 -3.91	25.63 1.32 -4.30	28.70 1.77 -2.74	32.41 1.91 -4.29	27.93 1.56 -2.30	24.27 1.55 0.00	20.88 1.20 0.00	19.31 1.04 0.00	18.82 1.00 0.00
MARSH_HILL_WT_PWR 323713	16.82 -0.27 -0.13	15.31 -0.29 -0.19	14.22 -0.27 -0.44	14.87 -0.29 -0.14	15.29 -0.34 -0.13	16.61 -0.24 0.00	19.96 -0.20 0.00	21.19 -0.61 -0.13	20.58 -0.60 -0.38	20.59 -0.42 -0.02	21.43 -0.39 0.00	21.44 -0.71 -0.05	21.01 -0.54 0.00	19.88 -0.20 0.00	19.82 -0.38 -0.08	19.92 -0.55 -0.65	20.13 -0.58 -0.70	24.04 -0.60 -0.45	26.20 -0.71 -0.70	23.77 -0.67 -0.38	22.41 -0.32 0.00	19.44 -0.24 0.00	17.97 -0.29 0.00	17.71 -0.11 0.00
MCINTYRE_115KV_TB2 80467	8.55 -0.44 7.97	7.73 -0.43 7.25	7.02 -0.42 6.61	7.52 -0.44 7.07	7.81 -0.40 7.29	8.41 -0.52 7.92	12.95 -0.46 6.75	11.28 -0.43 9.96	7.67 -0.46 12.68	5.72 -0.46 14.81	6.53 -0.41 14.88	13.23 -0.31 8.56	11.87 -0.30 9.37	7.42 -0.30 12.37	7.92 -0.28 11.92	5.13 -0.42 14.28	7.30 -0.44 12.27	14.19 -0.51 9.50	15.13 -0.55 10.53	14.23 -0.41 9.43	14.32 -0.41 8.00	14.39 -0.39 4.90	14.23 -0.33 3.70	10.64 -0.43 6.75
MECO_____69_KV_BK1 80468	19.30 1.59 -0.75	17.90 1.40 -1.09	17.85 1.26 -2.54	17.18 1.35 -0.81	17.72 1.47 -0.75	18.58 1.74 0.00	22.42 2.26 0.00	24.73 2.32 -0.74	25.08 2.08 -2.18	23.24 2.12 -0.14	23.96 2.14 0.00	24.55 2.17 -0.29	23.68 2.13 0.00	22.09 2.01 0.00	22.64 2.07 -0.44	25.69 2.10 -3.76	26.38 2.24 -4.13	29.76 2.93 -2.63	33.45 3.12 -4.12	28.81 2.53 -2.21	25.20 2.48 0.00	21.65 1.97 0.00	19.96 1.70 0.00	19.46 1.64 0.00
MENANDS___115KV_TB5 355628	18.48 0.86 -0.66	17.17 0.80 -0.96	17.02 0.73 -2.24	16.52 0.78 -0.72	16.96 0.81 -0.66	17.66 0.81 0.00	21.07 0.91 0.00	23.26 0.93 -0.65	23.65 0.92 -1.92	22.07 0.97 -0.12	22.80 0.98 0.00	23.32 0.97 -0.25	22.49 0.95 0.00	21.03 0.94 0.00	21.42 0.91 -0.39	24.03 0.89 -3.31	24.53 0.88 -3.64	27.60 1.09 -2.32	31.02 1.18 -3.63	27.08 1.06 -1.95	23.77 1.05 0.00	20.53 0.85 0.00	19.03 0.77 0.00	18.51 0.69 0.00
MG INDUSTRY___DRP 24185	18.40 0.80 -0.65	17.09 0.74 -0.94	16.92 0.67 -2.19	16.44 0.72 -0.70	16.87 0.73 -0.64	17.61 0.76 0.00	21.03 0.87 0.00	23.16 0.85 -0.64	23.51 0.81 -1.89	21.97 0.86 -0.12	22.69 0.87 0.00	23.23 0.88 -0.25	22.41 0.86 0.00	20.93 0.84 0.00	21.33 0.83 -0.38	23.88 0.81 -3.25	24.40 0.82 -3.57	27.49 1.02 -2.27	30.87 1.10 -3.56	26.97 0.99 -1.91	23.68 0.95 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.48 0.66 0.00
MID___OSWEGATCHIE_HYD 23849	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.50 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.56 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.66 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84
MID___RAQUETTE_HYD 23851	8.69 -0.73 7.54	7.87 -0.68 6.86	7.15 -0.65 6.26	7.66 -0.68 6.69	7.92 -0.68 6.89	8.44 -0.91 7.49	12.77 -1.01 6.39	11.25 -1.00 9.43	7.79 -1.02 12.00	5.95 -1.03 14.01	6.85 -1.00 13.97	13.84 -0.77 7.48	12.47 -0.78 8.30	7.64 -0.74 11.70	8.18 -0.72 11.22	5.38 -0.93 13.51	7.47 -0.98 11.56	14.70 -1.19 8.31	15.63 -1.34 9.24	14.66 -1.16 8.25	14.70 -1.11 6.91	14.79 -0.94 3.94	14.71 -0.75 2.81	11.16 -0.82 5.84



MILLIKEN___1 23584	17.40 0.32 -0.12	15.89 0.29 -0.18	14.72 0.25 -0.41	15.44 0.29 -0.13	15.93 0.31 -0.12	17.25 0.40 0.00	20.69 0.52 0.00	22.27 0.48 -0.12	21.61 0.44 -0.36	21.51 0.50 -0.02	22.34 0.52 0.00	22.61 0.46 -0.05	22.04 0.50 0.00	20.57 0.48 0.00	20.62 0.42 -0.07	20.87 0.44 -0.61	21.13 0.46 -0.66	25.27 0.65 -0.42	27.57 0.71 -0.65	25.07 0.65 -0.35	23.43 0.70 0.00	20.33 0.65 0.00	18.81 0.55 0.00	18.44 0.62 0.00
MILLIKEN___2 23585	17.40 0.32 -0.12	15.89 0.29 -0.18	14.72 0.25 -0.41	15.44 0.29 -0.13	15.93 0.31 -0.12	17.25 0.40 0.00	20.69 0.52 0.00	22.27 0.48 -0.12	21.61 0.44 -0.36	21.51 0.50 -0.02	22.34 0.52 0.00	22.61 0.46 -0.05	22.04 0.50 0.00	20.57 0.48 0.00	20.62 0.42 -0.07	20.87 0.44 -0.61	21.13 0.46 -0.66	25.27 0.65 -0.42	27.57 0.71 -0.65	25.07 0.65 -0.35	23.43 0.70 0.00	20.33 0.65 0.00	18.81 0.55 0.00	18.44 0.62 0.00
MILLIKEN___DIESEL 23629	17.40 0.32 -0.12	15.89 0.29 -0.18	14.72 0.25 -0.41	15.44 0.29 -0.13	15.93 0.31 -0.12	17.25 0.40 0.00	20.69 0.52 0.00	22.27 0.48 -0.12	21.61 0.44 -0.36	21.51 0.50 -0.02	22.34 0.52 0.00	22.61 0.46 -0.05	22.04 0.50 0.00	20.57 0.48 0.00	20.62 0.42 -0.07	20.87 0.44 -0.61	21.13 0.46 -0.66	25.27 0.65 -0.42	27.57 0.71 -0.65	25.07 0.65 -0.35	23.43 0.70 0.00	20.33 0.65 0.00	18.81 0.55 0.00	18.44 0.62 0.00
MILLSEAT___LFGE 323607	16.08 -0.97 -0.08	14.72 -0.82 -0.12	13.61 -0.72 -0.28	14.36 -0.75 -0.09	14.73 -0.85 -0.08	15.94 -0.91 0.00	19.11 -1.05 0.00	20.26 -1.50 -0.08	19.41 -1.64 -0.24	19.32 -1.68 -0.01	20.09 -1.72 0.00	20.23 -1.90 -0.03	19.58 -1.96 0.00	18.48 -1.61 0.00	18.56 -1.61 -0.05	18.73 -1.51 -0.41	18.96 -1.50 -0.45	22.69 -1.79 -0.29	24.69 -1.97 -0.45	22.51 -1.81 -0.24	21.09 -1.64 0.00	18.44 -1.24 0.00	17.15 -1.11 0.00	17.18 -0.64 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	18.71 1.22 -0.53	17.26 1.08 -0.77	16.84 1.00 -1.79	16.64 1.05 -0.57	17.10 1.07 -0.53	18.06 1.21 0.00	21.60 1.43 0.00	23.80 1.60 -0.52	23.98 1.62 -1.54	22.72 1.64 -0.10	23.52 1.70 0.00	24.04 1.75 -0.20	23.27 1.72 0.00	21.77 1.69 0.00	22.11 1.67 -0.31	24.12 1.65 -2.65	24.67 1.74 -2.92	28.11 2.06 -1.86	31.35 2.23 -2.91	27.68 2.05 -1.56	24.57 1.84 0.00	21.17 1.50 0.00	19.65 1.39 0.00	19.07 1.25 0.00
MILLWOOD_13_KV_LOAD 356217	18.74 1.25 -0.53	17.29 1.11 -0.77	16.85 1.01 -1.79	16.67 1.08 -0.57	17.13 1.10 -0.53	18.08 1.23 0.00	21.64 1.47 0.00	23.84 1.65 -0.52	24.02 1.67 -1.54	22.76 1.68 -0.10	23.59 1.77 0.00	24.11 1.81 -0.20	23.33 1.79 0.00	21.81 1.73 0.00	22.17 1.73 -0.31	24.18 1.70 -2.65	24.73 1.80 -2.92	28.18 2.13 -1.86	31.43 2.31 -2.91	27.75 2.12 -1.56	24.61 1.89 0.00	21.21 1.53 0.00	19.67 1.41 0.00	19.08 1.27 0.00
MODEL_CITY_ENERGY 24167	15.64 -1.41 -0.09	14.34 -1.20 -0.12	13.29 -1.05 -0.29	14.00 -1.11 -0.09	14.34 -1.24 -0.08	15.48 -1.36 0.00	18.57 -1.59 0.00	19.61 -2.15 -0.08	18.77 -2.29 -0.25	18.63 -2.37 -0.02	19.37 -2.44 0.00	19.48 -2.65 -0.03	18.85 -2.69 0.00	17.84 -2.25 0.00	17.86 -2.31 -0.05	18.05 -2.20 -0.43	18.25 -2.22 -0.46	21.80 -2.69 -0.30	23.74 -2.94 -0.46	21.67 -2.65 -0.25	20.27 -2.45 0.00	17.79 -1.89 0.00	16.57 -1.70 0.00	16.66 -1.16 0.00
MODERN_LFGE___ 323580	15.64 -1.41 -0.09	14.34 -1.20 -0.12	13.29 -1.05 -0.29	14.00 -1.11 -0.09	14.34 -1.24 -0.08	15.48 -1.36 0.00	18.57 -1.59 0.00	19.61 -2.15 -0.08	18.77 -2.29 -0.25	18.63 -2.37 -0.02	19.37 -2.44 0.00	19.48 -2.65 -0.03	18.85 -2.69 0.00	17.84 -2.25 0.00	17.86 -2.31 -0.05	18.05 -2.20 -0.43	18.25 -2.22 -0.46	21.80 -2.69 -0.30	23.74 -2.94 -0.46	21.67 -2.65 -0.25	20.27 -2.45 0.00	17.79 -1.89 0.00	16.57 -1.70 0.00	16.66 -1.16 0.00
MOHAWK_PAPER___DRP 24187	18.52 0.90 -0.66	17.19 0.82 -0.96	17.04 0.74 -2.24	16.55 0.81 -0.72	17.00 0.84 -0.66	17.71 0.86 0.00	21.15 0.99 0.00	23.35 1.02 -0.66	23.74 1.00 -1.93	22.14 1.03 -0.12	22.89 1.07 0.00	23.39 1.04 -0.26	22.58 1.03 0.00	21.09 1.00 0.00	21.50 0.99 -0.39	24.12 0.97 -3.32	24.62 0.96 -3.65	27.73 1.21 -2.33	31.14 1.28 -3.64	27.18 1.16 -1.95	23.84 1.11 0.00	20.58 0.91 0.00	19.09 0.82 0.00	18.57 0.75 0.00
MOHICAN___35_KV_115KV_LD 80490	18.67 1.03 -0.68	17.33 0.92 -0.99	17.20 0.84 -2.30	16.66 0.90 -0.74	17.14 0.96 -0.68	17.93 1.08 0.00	21.53 1.37 0.00	23.80 1.45 -0.67	24.25 1.46 -1.98	22.64 1.53 -0.12	23.43 1.61 0.00	23.97 1.61 -0.26	23.01 1.46 0.00	21.51 1.43 0.00	21.97 1.45 -0.40	24.62 1.39 -3.41	25.14 1.38 -3.75	28.33 1.74 -2.39	31.82 1.86 -3.74	27.62 1.54 -2.01	24.25 1.52 0.00	20.84 1.16 0.00	19.27 1.00 0.00	18.75 0.93 0.00
MONGAUP___HYD 23641	18.37 0.92 -0.49	16.94 0.82 -0.71	16.53 0.81 -1.66	16.44 0.89 -0.53	16.81 0.82 -0.49	17.79 0.94 0.00	21.31 1.15 0.00	23.31 1.15 -0.49	23.35 1.10 -1.43	22.19 1.11 -0.09	22.91 1.09 0.00	23.43 1.15 -0.19	22.64 1.10 0.00	21.19 1.10 0.00	21.50 1.09 -0.29	23.40 1.11 -2.46	23.96 1.24 -2.71	27.45 1.53 -1.72	30.40 1.49 -2.70	27.01 1.49 -1.45	24.09 1.36 0.00	20.72 1.04 0.00	19.20 0.93 0.00	18.66 0.84 0.00
MONTAUK___DIESEL 23721	19.36 1.87 -0.54	17.82 1.63 -0.77	17.38 1.52 -1.81	17.15 1.55 -0.58	17.64 1.61 -0.53	21.11 1.99 -2.28	29.94 2.40 -7.38	31.41 2.64 -7.10	29.75 2.35 -6.59	27.05 2.29 -3.78	28.46 2.38 -4.26	30.55 2.41 -6.05	29.85 2.33 -5.98	29.38 2.23 -7.07	29.40 2.25 -7.03	29.34 2.22 -7.29	28.79 2.36 -6.42	32.46 2.88 -5.38	33.26 3.25 -3.80	29.62 2.96 -2.58	28.32 2.73 -2.87	26.50 2.13 -4.69	20.35 2.05 -0.04	19.69 1.87 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	15.63 -1.42 -0.10	14.17 -1.39 -0.14	13.14 -1.24 -0.32	13.92 -1.20 -0.10	14.14 -1.46 -0.10	15.69 -1.16 0.00	18.99 -1.17 0.00	19.36 -2.41 -0.09	18.64 -2.46 -0.28	18.99 -2.01 -0.02	19.72 -2.09 0.00	19.59 -2.54 -0.04	19.24 -2.31 0.00	18.24 -1.85 0.00	17.75 -2.43 -0.06	17.81 -2.50 -0.48	17.99 -2.54 -0.52	21.43 -3.10 -0.33	23.38 -3.35 -0.52	21.32 -3.03 -0.28	20.47 -2.25 0.00	17.91 -1.77 0.00	16.62 -1.64 0.00	16.87 -0.94 0.00
MORTIMER_115KV_TB3 55949	16.49 -0.54 -0.07	15.06 -0.46 -0.11	13.91 -0.39 -0.25	14.68 -0.42 -0.08	15.11 -0.47 -0.07	16.19 -0.66 0.00	19.42 -0.75 0.00	20.95 -0.80 -0.07	20.11 -0.92 -0.22	19.91 -1.09 -0.01	20.73 -1.09 0.00	21.02 -1.10 -0.03	20.32 -1.23 0.00	19.02 -1.06 0.00	19.34 -0.83 -0.04	19.39 -0.81 -0.37	19.62 -0.80 -0.41	23.49 -0.97 -0.26	25.54 -1.07 -0.41	23.30 -0.99 -0.22	21.63 -1.09 0.00	18.87 -0.81 0.00	17.55 -0.71 0.00	17.37 -0.45 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.91 1.71 -0.53	24.12 1.75 -1.56	22.87 1.78 -0.10	23.67 1.85 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.29 1.78 -2.68	24.84 1.88 -2.95	28.28 2.20 -1.88	31.56 2.41 -2.94	27.89 2.24 -1.58	24.70 1.98 0.00	21.29 1.61 0.00	19.80 1.53 0.00	19.19 1.37 0.00



MUNSVILLE_WIND_PWR 323609	18.31 1.17 -0.18	16.71 1.03 -0.26	15.56 0.90 -0.60	16.16 0.95 -0.19	16.72 1.04 -0.18	18.20 1.35 0.00	21.98 1.82 0.00	23.65 1.80 -0.18	23.08 1.75 -0.52	22.85 1.83 -0.03	23.78 1.96 0.00	24.11 1.94 -0.07	23.48 1.94 0.00	22.03 1.95 0.00	22.06 1.83 -0.11	22.50 1.78 -0.89	22.82 1.84 -0.97	27.38 2.56 -0.62	30.11 2.93 -0.97	27.26 2.67 -0.52	25.36 2.63 0.00	21.88 2.20 0.00	20.13 1.86 0.00	19.81 2.00 0.00
N SALMON___HYD 24042	7.59 -0.58 8.79	6.84 -0.57 8.00	6.22 -0.53 7.29	6.68 -0.54 7.80	6.94 -0.53 8.04	7.52 -0.59 8.74	12.01 -0.71 7.45	9.95 -0.74 10.99	5.89 -0.94 13.99	3.62 -1.03 16.34	5.80 -1.14 14.89	20.18 -1.04 0.88	18.00 -1.03 2.51	5.46 -0.98 13.64	6.91 -0.97 12.24	3.04 -1.03 15.75	5.48 -1.00 13.53	21.40 -1.26 1.54	22.46 -1.39 2.36	21.34 -1.25 1.48	21.79 -1.23 -0.29	22.73 -1.06 -4.11	22.77 -0.97 -5.48	16.96 -1.00 -0.14
N.AKRON__115KV_KNAPP 355671	16.07 -0.97 -0.08	14.72 -0.82 -0.12	13.61 -0.72 -0.28	14.36 -0.75 -0.09	14.75 -0.84 -0.08	15.92 -0.93 0.00	19.12 -1.05 0.00	20.26 -1.50 -0.08	19.41 -1.64 -0.24	19.30 -1.70 -0.01	20.07 -1.75 0.00	20.20 -1.92 -0.03	19.58 -1.96 0.00	18.46 -1.63 0.00	18.62 -1.55 -0.05	18.71 -1.53 -0.41	18.94 -1.52 -0.45	22.67 -1.81 -0.29	24.67 -1.99 -0.45	22.48 -1.83 -0.24	21.07 -1.66 0.00	18.42 -1.26 0.00	17.13 -1.13 0.00	17.12 -0.69 0.00
N.BELMOR_69_KV_BK1 55787	19.12 1.63 -0.54	17.61 1.42 -0.77	17.15 1.29 -1.81	16.95 1.35 -0.58	17.41 1.38 -0.53	20.76 1.63 -2.28	29.48 1.94 -7.38	30.92 2.15 -7.10	29.56 2.14 -6.60	26.94 2.16 -3.79	28.36 2.27 -4.28	30.46 2.32 -6.05	29.85 2.31 -6.00	29.38 2.23 -7.07	29.36 2.21 -7.03	29.30 2.16 -7.31	28.70 2.26 -6.43	32.29 2.71 -5.38	32.95 2.94 -3.80	29.35 2.70 -2.58	28.05 2.45 -2.87	26.44 2.01 -4.76	20.18 1.88 -0.04	19.55 1.73 0.00
N.E_GEN_SANDY PD 24062	18.60 1.03 -0.61	18.10 0.96 -1.73	17.00 0.87 -2.08	17.10 0.93 -1.15	17.69 0.96 -1.23	20.00 1.06 -2.09	25.30 1.23 -3.91	24.75 1.32 -1.75	23.87 1.29 -1.77	22.42 1.32 -0.11	23.19 1.38 0.00	23.68 1.35 -0.23	22.88 1.34 0.00	21.39 1.30 0.00	21.75 1.27 -0.36	24.13 1.27 -3.04	24.59 1.24 -3.34	27.80 1.48 -2.13	31.17 1.63 -3.33	27.40 1.54 -1.79	24.18 1.46 0.00	20.80 1.12 0.00	19.29 1.02 0.00	18.80 0.98 0.00
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	18.66 1.19 -0.52	17.21 1.05 -0.75	16.77 0.97 -1.75	16.62 1.04 -0.56	17.07 1.05 -0.51	18.05 1.20 0.00	21.58 1.41 0.00	23.74 1.56 -0.51	23.90 1.58 -1.51	22.68 1.60 -0.09	23.45 1.64 0.00	24.00 1.70 -0.20	23.22 1.68 0.00	21.71 1.63 0.00	22.06 1.63 -0.30	24.00 1.59 -2.59	24.54 1.68 -2.85	27.99 1.98 -1.81	31.23 2.18 -2.84	27.59 2.00 -1.52	24.52 1.80 0.00	21.14 1.46 0.00	19.62 1.35 0.00	19.05 1.23 0.00
N.QUEENS_27_KV_LOAD 356247	18.95 1.46 -0.54	17.52 1.33 -0.77	17.10 1.24 -1.81	16.92 1.32 -0.58	17.37 1.33 -0.53	18.25 1.40 0.00	21.60 1.43 0.00	23.91 1.71 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.74 1.92 0.00	24.24 1.94 -0.20	23.47 1.94 0.01	21.97 1.89 0.01	22.37 1.93 -0.32	24.33 1.82 -2.68	24.92 1.96 -2.95	28.30 2.23 -1.88	31.61 2.46 -2.93	27.91 2.26 -1.58	24.67 1.95 0.01	21.30 1.61 -0.01	19.84 1.57 -0.01	19.32 1.50 0.00
N.TROY___115KV_TB1 355778	18.53 0.90 -0.67	17.21 0.83 -0.97	17.07 0.76 -2.26	16.55 0.81 -0.72	17.00 0.84 -0.66	17.76 0.91 0.00	21.25 1.09 0.00	23.48 1.15 -0.66	23.86 1.10 -1.95	22.24 1.13 -0.12	23.00 1.18 0.00	23.50 1.15 -0.26	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.22 1.05 -3.35	24.73 1.04 -3.68	27.80 1.26 -2.35	31.27 1.39 -3.67	27.29 1.25 -1.97	23.95 1.23 0.00	20.62 0.94 0.00	19.12 0.86 0.00	18.62 0.80 0.00
NARROWS_GT1_1 24228	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_2 24229	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_3 24230	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_4 24231	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_5 24232	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_6 24233	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT1_7 24234	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01



NARROWS_GT1_8 24235	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_1 24236	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_2 24237	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_3 24238	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_4 24239	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_5 24240	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_6 24241	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_7 24242	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NARROWS_GT2_8 24243	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.40 2.32 -1.88	32.15 2.60 -3.34	28.03 2.38 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	18.53 0.95 -0.62	17.17 0.85 -0.90	16.94 0.77 -2.11	16.54 0.84 -0.68	17.00 0.88 -0.62	17.91 1.06 0.00	21.41 1.25 0.00	23.16 0.87 -0.62	23.40 0.77 -1.82	22.07 0.97 -0.11	22.71 0.89 0.00	23.24 0.91 -0.24	22.43 0.88 0.00	20.95 0.86 0.00	21.28 0.78 -0.37	23.69 0.73 -3.13	24.29 0.84 -3.44	27.52 1.14 -2.19	30.93 1.28 -3.43	26.95 1.04 -1.84	23.93 1.20 0.00	20.64 0.96 0.00	19.09 0.82 0.00	18.59 0.77 0.00
NCHELSEA_115KV_TR2 355582	18.69 1.19 -0.54	17.26 1.06 -0.78	16.85 0.97 -1.83	16.66 1.05 -0.59	17.11 1.07 -0.54	18.06 1.21 0.00	21.62 1.45 0.00	23.75 1.54 -0.53	23.89 1.50 -1.58	22.62 1.53 -0.10	23.39 1.57 0.00	23.94 1.64 -0.21	23.14 1.59 0.00	21.63 1.55 0.00	21.97 1.53 -0.32	24.06 1.53 -2.71	24.59 1.60 -2.98	28.03 1.94 -1.90	31.31 2.12 -2.97	27.57 1.90 -1.59	24.47 1.75 0.00	21.08 1.40 0.00	19.52 1.26 0.00	18.98 1.16 0.00
NEG CAPITAL___MECHNVIL 23645	18.64 1.00 -0.68	17.30 0.91 -0.98	17.17 0.83 -2.29	16.64 0.89 -0.73	17.09 0.91 -0.67	17.88 1.03 0.00	21.41 1.25 0.00	23.66 1.32 -0.67	24.07 1.29 -1.97	22.45 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.39 1.30 0.00	21.81 1.29 -0.40	24.49 1.27 -3.39	24.98 1.24 -3.73	28.12 1.55 -2.38	31.61 1.68 -3.72	27.51 1.44 -1.99	24.13 1.41 0.00	20.78 1.10 0.00	19.23 0.97 0.00	18.73 0.91 0.00
NEG CENTRAL_HIGH_ACRES 23767	16.30 -0.73 -0.07	14.88 -0.65 -0.11	13.72 -0.58 -0.25	14.48 -0.62 -0.08	14.94 -0.64 -0.07	16.04 -0.81 0.00	19.22 -0.95 0.00	20.77 -0.97 -0.07	19.99 -1.04 -0.21	19.83 -1.17 -0.01	20.62 -1.20 0.00	20.93 -1.19 -0.03	20.27 -1.27 0.00	18.96 -1.12 0.00	19.18 -0.99 -0.04	19.26 -0.93 -0.37	19.47 -0.94 -0.40	23.34 -1.11 -0.26	25.38 -1.23 -0.40	23.13 -1.15 -0.21	21.52 -1.21 0.00	18.75 -0.92 0.00	17.41 -0.86 0.00	17.19 -0.62 0.00
NEG CENTRAL___DRP 24199	17.01 -0.03 -0.08	15.50 -0.03 -0.12	14.30 -0.03 -0.28	15.08 -0.03 -0.09	15.57 -0.02 -0.08	16.88 0.03 0.00	20.24 0.08 0.00	21.75 0.00 -0.08	21.01 -0.04 -0.24	21.00 0.00 -0.01	21.82 0.00 0.00	22.06 -0.07 -0.03	21.50 -0.04 0.00	20.07 -0.02 0.00	20.13 -0.04 -0.05	20.22 -0.02 -0.41	20.44 -0.02 -0.45	24.53 0.05 -0.28	26.71 0.05 -0.44	24.33 0.02 -0.24	22.82 0.09 0.00	19.82 0.14 0.00	18.36 0.09 0.00	18.05 0.23 0.00
NEG CENTRAL___INDECK 23768	17.07 0.00 -0.11	15.56 -0.02 -0.16	14.41 -0.01 -0.38	15.12 -0.02 -0.12	15.58 -0.03 -0.11	16.88 0.03 0.00	20.24 0.08 0.00	21.72 -0.06 -0.11	20.97 -0.17 -0.32	20.82 -0.19 -0.02	21.60 -0.22 0.00	21.85 -0.29 -0.04	21.29 -0.26 0.00	20.03 -0.06 0.00	20.17 -0.02 -0.07	20.40 0.02 -0.56	20.72 0.10 -0.61	24.82 0.24 -0.39	27.05 0.24 -0.60	24.57 0.17 -0.32	22.97 0.25 0.00	19.95 0.28 0.00	18.45 0.18 0.00	18.25 0.43 0.00



NEG CENTRAL___SENECA 23627	17.07 0.02 -0.09	15.55 0.00 -0.13	14.37 0.01 -0.30	15.13 0.02 -0.10	15.62 0.03 -0.09	16.95 0.10 0.00	20.35 0.18 0.00	21.81 0.04 -0.09	21.08 0.00 -0.26	21.05 0.04 -0.02	21.86 0.04 0.00	22.09 -0.04 -0.03	21.52 -0.02 0.00	20.15 0.06 0.00	20.20 0.02 -0.05	20.30 0.02 -0.45	20.52 0.02 -0.49	24.63 0.12 -0.31	26.83 0.13 -0.49	24.43 0.10 -0.26	22.93 0.20 0.00	19.90 0.22 0.00	18.41 0.15 0.00	18.12 0.30 0.00
NEG CENTRAL___STATE_STREET 24147	17.04 0.00 -0.08	15.53 0.00 -0.12	14.32 0.00 -0.27	15.11 0.00 -0.09	15.60 0.02 -0.08	16.90 0.05 0.00	20.26 0.10 0.00	21.86 0.11 -0.08	21.13 0.08 -0.23	21.11 0.10 -0.01	21.93 0.11 0.00	22.21 0.09 -0.03	21.63 0.09 0.00	20.17 0.08 0.00	20.25 0.08 -0.05	20.29 0.06 -0.40	20.50 0.06 -0.43	24.62 0.15 -0.28	26.80 0.16 -0.43	24.42 0.12 -0.23	22.88 0.16 0.00	19.88 0.20 0.00	18.43 0.16 0.00	18.07 0.25 0.00
NEG MILLWOOD___DRP 24198	18.81 1.31 -0.55	17.36 1.16 -0.79	16.95 1.05 -1.85	16.75 1.14 -0.59	17.19 1.15 -0.54	18.15 1.30 0.00	21.72 1.55 0.00	23.92 1.71 -0.54	24.05 1.64 -1.59	22.77 1.68 -0.10	23.59 1.77 0.00	24.12 1.81 -0.21	23.31 1.77 0.00	21.79 1.71 0.00	22.16 1.71 -0.32	24.28 1.72 -2.73	24.81 1.80 -3.00	28.29 2.18 -1.91	31.57 2.36 -3.00	27.80 2.12 -1.61	24.63 1.91 0.00	21.19 1.52 0.00	19.62 1.35 0.00	19.07 1.25 0.00
NEG NORTH_FLCN_SEA 23793	7.05 -0.54 9.37	6.35 -0.54 8.53	5.79 -0.49 7.77	6.22 -0.50 8.31	6.47 -0.47 8.56	7.03 -0.51 9.31	11.62 -0.60 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.09 -1.27 20.65	-6.87 -1.19 27.78	-6.86 -1.18 27.22	4.42 -1.12 14.54	3.10 -1.13 15.90	1.89 -1.15 16.78	4.49 -1.10 14.42	-6.85 -1.38 29.67	-6.83 -1.52 31.52	-6.85 -1.37 29.55	-6.88 -1.34 28.26	-6.92 -1.16 25.44	-6.96 -1.10 24.13	-6.91 -1.09 23.64
NEG NORTH_KES_CHATAGAY 23792	7.01 -0.73 9.22	6.34 -0.69 8.39	5.76 -0.65 7.64	6.19 -0.66 8.17	6.44 -0.64 8.42	7.00 -0.69 9.16	11.53 -0.83 7.81	9.25 -0.91 11.52	5.03 -1.12 14.66	2.59 -1.28 17.12	-0.16 -1.44 20.53	-7.89 -1.39 28.59	-7.77 -1.38 27.94	4.48 -1.31 14.30	3.06 -1.29 15.77	2.01 -1.31 16.51	4.56 -1.26 14.18	-7.91 -1.60 30.51	-7.90 -1.73 32.38	-7.88 -1.56 30.39	-7.94 -1.52 29.15	-8.09 -1.34 26.44	-8.13 -1.24 25.15	-7.81 -1.25 24.38
NEG NORTH___ALICE_FALLS 23915	7.09 -0.53 9.35	6.39 -0.52 8.50	5.81 -0.49 7.75	6.24 -0.50 8.29	6.49 -0.47 8.54	7.07 -0.49 9.29	11.66 -0.58 7.92	9.34 -0.65 11.68	5.03 -0.92 14.87	2.56 -1.07 17.36	0.01 -1.18 20.63	-6.87 -1.06 27.90	-6.85 -1.06 27.34	4.48 -1.10 14.50	3.16 -1.09 15.88	1.97 -1.11 16.74	4.59 -1.04 14.38	-6.82 -1.21 29.80	-6.79 -1.34 31.66	-6.82 -1.20 29.69	-6.86 -1.18 28.40	-6.94 -1.02 25.60	-7.00 -0.97 24.29	-6.90 -0.96 23.76
NEG NORTH___LWR_SARANAC 23913	7.09 -0.53 9.35	6.39 -0.52 8.50	5.81 -0.49 7.75	6.24 -0.50 8.29	6.49 -0.47 8.54	7.07 -0.49 9.29	11.66 -0.58 7.92	9.34 -0.65 11.68	5.03 -0.92 14.87	2.56 -1.07 17.36	0.01 -1.18 20.63	-6.87 -1.06 27.90	-6.85 -1.06 27.34	4.48 -1.10 14.50	3.16 -1.09 15.88	1.97 -1.11 16.74	4.59 -1.04 14.38	-6.82 -1.21 29.80	-6.79 -1.34 31.66	-6.82 -1.20 29.69	-6.86 -1.18 28.40	-6.94 -1.02 25.60	-7.00 -0.97 24.29	-6.90 -0.96 23.76
NEG NORTH___PLATTSBURG 23628	7.09 -0.53 9.35	6.39 -0.52 8.50	5.81 -0.49 7.75	6.24 -0.50 8.29	6.49 -0.46 8.54	7.07 -0.49 9.29	11.66 -0.59 7.92	9.34 -0.65 11.68	5.03 -0.92 14.87	2.56 -1.07 17.36	0.01 -1.18 20.63	-6.87 -1.06 27.90	-6.85 -1.06 27.34	4.48 -1.10 14.50	3.16 -1.09 15.88	1.97 -1.11 16.74	4.58 -1.04 14.38	-6.82 -1.21 29.80	-6.78 -1.34 31.66	-6.82 -1.20 29.69	-6.86 -1.18 28.40	-6.94 -1.02 25.60	-7.00 -0.97 24.29	-6.90 -0.96 23.76
NEG WEST_LEA_LOCKPORT 23791	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.39 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.77 -1.39 0.00	19.76 -1.99 -0.08	18.94 -2.12 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.68 -2.45 -0.03	19.07 -2.48 0.00	18.00 -2.09 0.00	18.12 -2.05 -0.05	18.22 -2.02 -0.42	18.41 -2.06 -0.46	22.00 -2.49 -0.29	23.97 -2.70 -0.46	21.86 -2.46 -0.25	20.50 -2.23 0.00	17.97 -1.71 0.00	16.75 -1.52 0.00	16.77 -1.05 0.00
NEG WEST___LANCASTER 23811	15.46 -1.59 -0.10	14.15 -1.40 -0.14	13.14 -1.24 -0.33	13.80 -1.32 -0.10	14.17 -1.43 -0.10	16.43 -0.42 0.00	19.66 -0.50 0.00	19.38 -2.38 -0.10	18.66 -2.44 -0.28	19.81 -1.20 -0.02	20.57 -1.24 0.00	19.99 -2.14 -0.04	20.14 -1.40 0.00	19.06 -1.02 0.00	17.87 -2.31 -0.06	18.03 -2.28 -0.48	18.23 -2.30 -0.52	21.75 -2.78 -0.33	23.72 -3.01 -0.52	21.63 -2.72 -0.28	21.68 -1.05 0.00	18.97 -0.71 0.00	17.62 -0.64 0.00	17.64 -0.18 0.00
NEG_PENN_ALLEGHNY 23528	17.26 0.12 -0.19	15.79 0.11 -0.27	14.78 0.10 -0.63	15.33 0.11 -0.20	15.79 0.11 -0.18	17.10 0.25 0.00	20.49 0.32 0.00	21.99 0.13 -0.18	21.46 0.10 -0.54	21.25 0.23 -0.03	22.06 0.24 0.00	22.30 0.13 -0.07	21.76 0.22 0.00	20.35 0.26 0.00	20.35 0.12 -0.11	20.87 0.12 -0.93	21.16 0.14 -1.01	25.06 0.22 -0.64	27.45 0.24 -1.01	24.83 0.22 -0.54	23.11 0.39 0.00	20.05 0.37 0.00	18.57 0.31 0.00	18.25 0.43 0.00
NEG___GEN_MONROE 24207	16.46 -0.58 -0.08	15.03 -0.49 -0.11	13.91 -0.39 -0.25	14.68 -0.42 -0.08	15.13 -0.45 -0.07	16.24 -0.61 0.00	19.44 -0.73 0.00	20.88 -0.87 -0.07	20.03 -1.00 -0.22	19.85 -1.15 -0.01	20.64 -1.18 0.00	20.91 -1.22 -0.03	20.23 -1.31 0.00	18.96 -1.12 0.00	19.24 -0.93 -0.04	19.31 -0.89 -0.38	19.54 -0.88 -0.41	23.42 -1.04 -0.26	25.52 -1.10 -0.41	23.28 -1.01 -0.22	21.68 -1.05 0.00	18.91 -0.77 0.00	17.55 -0.71 0.00	17.44 -0.37 0.00
NEPA___ENERGY 23901	15.99 -1.07 -0.10	14.63 -0.92 -0.14	13.58 -0.80 -0.32	14.28 -0.84 -0.10	14.65 -0.95 -0.10	16.19 -0.66 0.00	19.44 -0.73 0.00	20.08 -1.69 -0.09	19.30 -1.79 -0.28	19.56 -1.45 -0.02	20.29 -1.53 0.00	20.23 -1.90 -0.04	19.86 -1.68 0.00	18.78 -1.31 0.00	18.41 -1.77 -0.06	18.54 -1.76 -0.48	18.77 -1.76 -0.52	22.40 -2.13 -0.33	24.43 -2.31 -0.52	22.28 -2.07 -0.28	21.34 -1.39 0.00	18.68 -1.00 0.00	17.35 -0.91 0.00	17.37 -0.45 0.00
NEVERSINK___HYD 23608	18.43 0.98 -0.48	16.96 0.85 -0.70	16.46 0.77 -1.63	16.38 0.84 -0.52	16.85 0.87 -0.48	17.86 1.01 0.00	21.41 1.25 0.00	23.43 1.28 -0.48	23.47 1.25 -1.41	22.31 1.24 -0.09	23.06 1.24 0.00	23.58 1.30 -0.19	22.19 0.65 0.00	20.71 0.62 0.00	21.05 0.64 -0.28	22.90 0.65 -2.42	23.45 0.78 -2.66	26.86 0.97 -1.70	29.97 1.10 -2.66	26.46 0.96 -1.42	24.25 1.52 0.00	20.88 1.20 0.00	19.34 1.08 0.00	18.78 0.96 0.00
NEWKRMKL_115KV_TB1 55635	18.48 0.86 -0.66	17.17 0.80 -0.95	17.01 0.73 -2.23	16.51 0.78 -0.71	16.96 0.81 -0.66	17.62 0.78 0.00	21.01 0.85 0.00	23.19 0.87 -0.65	23.56 0.83 -1.92	22.01 0.90 -0.12	22.73 0.92 0.00	23.26 0.91 -0.25	22.45 0.90 0.00	20.97 0.88 0.00	21.38 0.87 -0.39	23.96 0.83 -3.30	24.48 0.84 -3.63	27.55 1.04 -2.31	30.96 1.13 -3.62	27.00 0.99 -1.94	23.68 0.95 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.44 0.62 0.00



NEWTON___FALLS_HYD 23847	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.50 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.56 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.66 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84
NGRID_A1_DSASP 323792	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.67 -2.39 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.65 -2.43 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.50 -1.32 0.00
NGRID_A2_DSASP 323793	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.67 -2.39 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.65 -2.43 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.50 -1.32 0.00
NGRID_A4_DSASP 323807	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.67 -2.39 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.65 -2.43 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.50 -1.32 0.00
NIAGARA_115E_LBMP 323715	15.57 -1.48 -0.09	14.28 -1.26 -0.12	13.23 -1.11 -0.29	13.93 -1.19 -0.09	14.27 -1.32 -0.09	15.40 -1.45 0.00	18.47 -1.69 0.00	19.48 -2.28 -0.08	18.65 -2.41 -0.25	18.48 -2.52 -0.02	19.22 -2.60 0.00	19.34 -2.78 -0.03	18.72 -2.82 0.00	17.69 -2.39 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.14 -2.34 -0.47	21.64 -2.86 -0.30	23.58 -3.09 -0.47	21.51 -2.82 -0.25	20.13 -2.59 0.00	17.65 -2.03 0.00	16.47 -1.79 0.00	16.55 -1.26 0.00
NIAGARA_115W_LBMP 323714	15.59 -1.46 -0.09	14.35 -1.19 -0.12	13.30 -1.04 -0.29	14.00 -1.11 -0.09	14.34 -1.24 -0.08	15.37 -1.48 0.00	18.39 -1.77 0.00	19.46 -2.30 -0.08	18.61 -2.46 -0.25	18.40 -2.60 -0.02	19.13 -2.68 0.00	19.28 -2.85 -0.03	18.63 -2.91 0.00	17.59 -2.49 0.00	17.70 -2.48 -0.05	17.89 -2.36 -0.43	18.09 -2.38 -0.47	21.59 -2.90 -0.30	23.50 -3.17 -0.46	21.46 -2.86 -0.25	20.00 -2.73 0.00	17.55 -2.13 0.00	16.38 -1.88 0.00	16.46 -1.35 0.00
NIAGARA_230_LBMP 323716	15.79 -1.25 -0.08	14.47 -1.06 -0.12	13.41 -0.93 -0.29	14.12 -0.99 -0.09	14.48 -1.10 -0.08	15.60 -1.25 0.00	18.71 -1.45 0.00	19.78 -1.97 -0.08	18.92 -2.14 -0.25	18.74 -2.27 -0.02	19.48 -2.33 0.00	19.63 -2.50 -0.03	18.98 -2.56 0.00	17.94 -2.15 0.00	18.00 -2.17 -0.05	18.19 -2.06 -0.42	18.39 -2.08 -0.46	21.95 -2.54 -0.29	23.89 -2.78 -0.46	21.81 -2.50 -0.25	20.38 -2.34 0.00	17.89 -1.79 0.00	16.67 -1.59 0.00	16.75 -1.07 0.00
NIAGARA___115KV_198_GIBSON 55903	15.59 -1.46 -0.09	14.35 -1.19 -0.12	13.30 -1.04 -0.29	14.00 -1.11 -0.09	14.36 -1.22 -0.08	15.37 -1.48 0.00	18.39 -1.77 0.00	19.46 -2.30 -0.08	18.61 -2.46 -0.25	18.40 -2.60 -0.02	19.13 -2.68 0.00	19.28 -2.85 -0.03	18.63 -2.91 0.00	17.57 -2.51 0.00	17.78 -2.39 -0.05	17.89 -2.36 -0.43	18.09 -2.38 -0.47	21.59 -2.90 -0.30	23.50 -3.17 -0.46	21.46 -2.86 -0.25	20.00 -2.73 0.00	17.55 -2.13 0.00	16.38 -1.88 0.00	16.41 -1.41 0.00
NIAGARA____ 23760	15.79 -1.25 -0.09	14.48 -1.06 -0.12	13.41 -0.93 -0.29	14.12 -0.99 -0.09	14.49 -1.10 -0.09	15.60 -1.25 0.00	18.71 -1.45 0.00	19.79 -1.97 -0.08	18.92 -2.14 -0.25	18.74 -2.27 -0.02	19.48 -2.33 0.00	19.63 -2.50 -0.03	18.98 -2.56 0.00	17.94 -2.15 0.00	18.00 -2.17 -0.05	18.19 -2.06 -0.43	18.39 -2.08 -0.46	21.95 -2.54 -0.30	23.89 -2.78 -0.46	21.82 -2.50 -0.25	20.38 -2.34 0.00	17.89 -1.79 0.00	16.67 -1.59 0.00	16.75 -1.07 0.00
NINE_MILE_1 23575	16.53 -0.47 -0.04	15.06 -0.42 -0.06	13.82 -0.38 -0.15	14.66 -0.40 -0.05	15.13 -0.42 -0.04	16.38 -0.47 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.37 -0.63 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.42 -0.66 0.00	19.50 -0.64 -0.03	19.41 -0.64 -0.22	19.59 -0.66 -0.24	23.57 -0.78 -0.15	25.61 -0.84 -0.24	23.40 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.81 -0.46 0.00	17.44 -0.38 0.00
NINE_MILE_2 23744	16.55 -0.46 -0.04	15.06 -0.42 -0.06	13.82 -0.38 -0.15	14.66 -0.40 -0.05	15.13 -0.42 -0.04	16.38 -0.47 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.42 -0.66 0.00	19.50 -0.64 -0.03	19.41 -0.64 -0.22	19.61 -0.64 -0.24	23.57 -0.78 -0.15	25.61 -0.84 -0.24	23.40 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.81 -0.46 0.00	17.44 -0.38 0.00
NM_CAPITAL___DRP 24208	18.47 0.85 -0.66	17.16 0.79 -0.95	17.00 0.72 -2.23	16.50 0.77 -0.71	16.95 0.79 -0.66	17.64 0.79 0.00	21.03 0.87 0.00	23.21 0.89 -0.65	23.61 0.87 -1.92	22.03 0.92 -0.12	22.76 0.94 0.00	23.28 0.93 -0.25	22.47 0.93 0.00	20.99 0.90 0.00	21.38 0.87 -0.39	23.98 0.85 -3.31	24.50 0.86 -3.63	27.58 1.06 -2.32	30.96 1.13 -3.63	27.05 1.04 -1.94	23.72 1.00 0.00	20.49 0.81 0.00	18.99 0.73 0.00	18.48 0.66 0.00
NM_CENTRAL___DRP 24181	16.86 -0.15 -0.06	15.36 -0.14 -0.08	14.13 -0.11 -0.20	14.96 -0.12 -0.06	15.43 -0.12 -0.06	16.71 -0.13 0.00	20.02 -0.14 0.00	21.56 -0.17 -0.06	20.81 -0.17 -0.17	20.83 -0.17 -0.01	21.67 -0.15 0.00	21.94 -0.18 -0.02	21.37 -0.17 0.00	19.88 -0.20 0.00	19.96 -0.20 -0.03	19.92 -0.20 -0.29	20.11 -0.22 -0.32	24.16 -0.24 -0.20	26.27 -0.26 -0.32	23.98 -0.26 -0.17	22.52 -0.20 0.00	19.60 -0.08 0.00	18.19 -0.07 0.00	17.82 0.00 0.00
NM_FRONTIER___DRP 24179	15.59 -1.46 -0.09	14.35 -1.19 -0.12	13.30 -1.04 -0.29	14.00 -1.11 -0.09	14.36 -1.22 -0.08	15.37 -1.48 0.00	18.39 -1.77 0.00	19.46 -2.30 -0.08	18.61 -2.46 -0.25	18.40 -2.60 -0.02	19.13 -2.68 0.00	19.28 -2.85 -0.03	18.63 -2.91 0.00	17.57 -2.51 0.00	17.78 -2.39 -0.05	17.89 -2.36 -0.43	18.09 -2.38 -0.47	21.59 -2.90 -0.30	23.50 -3.17 -0.46	21.46 -2.86 -0.25	20.00 -2.73 0.00	17.55 -2.13 0.00	16.38 -1.88 0.00	16.41 -1.41 0.00
NM_ST_REGIS___HYD 24053	8.43 -0.73 7.80	7.62 -0.69 7.10	6.93 -0.65 6.47	7.43 -0.68 6.92	7.70 -0.67 7.13	8.24 -0.86 7.75	12.61 -0.95 6.61	10.95 -0.98 9.75	7.38 -1.02 12.41	5.45 -1.05 14.49	6.59 -1.07 14.16	15.09 -0.88 6.12	13.55 -0.88 7.11	7.14 -0.84 12.10	7.87 -0.83 11.43	4.86 -0.99 13.97	6.98 -1.02 12.01	15.99 -1.26 6.94	16.93 -1.42 7.86	15.96 -1.23 6.88	16.12 -1.18 5.43	16.37 -1.02 2.29	16.32 -0.84 1.10	12.30 -0.91 4.61



NORTHPORT___1 23551	19.09 1.59 -0.54	17.56 1.37 -0.77	17.13 1.27 -1.81	16.91 1.31 -0.58	17.38 1.35 -0.53	20.73 1.60 -2.28	29.44 1.89 -7.38	30.81 2.04 -7.10	29.44 2.04 -6.59	26.84 2.08 -3.78	28.13 2.05 -4.26	30.15 2.01 -6.05	29.51 1.98 -5.98	29.08 1.93 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.45 2.02 -6.42	31.97 2.40 -5.38	32.63 2.62 -3.80	29.09 2.43 -2.58	27.85 2.25 -2.87	26.26 1.89 -4.69	20.11 1.81 -0.04	19.46 1.64 0.00
NORTHPORT___2 23552	19.09 1.59 -0.54	17.56 1.37 -0.77	17.13 1.27 -1.81	16.91 1.31 -0.58	17.38 1.35 -0.53	20.73 1.60 -2.28	29.44 1.89 -7.38	30.81 2.04 -7.10	29.44 2.04 -6.59	26.84 2.08 -3.78	28.13 2.05 -4.26	30.15 2.01 -6.05	29.51 1.98 -5.98	29.08 1.93 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.45 2.02 -6.42	31.97 2.40 -5.38	32.63 2.62 -3.80	29.09 2.43 -2.58	27.85 2.25 -2.87	26.26 1.89 -4.69	20.11 1.81 -0.04	19.46 1.64 0.00
NORTHPORT___3 23553	19.16 1.66 -0.54	17.64 1.45 -0.77	17.18 1.32 -1.81	16.98 1.38 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.52 1.98 -7.38	30.96 2.19 -7.10	29.58 2.18 -6.59	26.99 2.22 -3.78	28.39 2.31 -4.26	30.48 2.34 -6.05	29.85 2.33 -5.98	29.38 2.23 -7.07	29.38 2.23 -7.03	29.30 2.18 -7.29	28.71 2.28 -6.42	32.29 2.71 -5.38	32.97 2.96 -3.80	29.37 2.72 -2.58	28.07 2.48 -2.87	26.42 2.05 -4.69	20.20 1.90 -0.04	19.55 1.73 0.00
NORTHPORT___4 23650	19.16 1.66 -0.54	17.64 1.45 -0.77	17.18 1.32 -1.81	16.98 1.38 -0.58	17.44 1.41 -0.53	20.79 1.67 -2.28	29.52 1.98 -7.38	30.96 2.19 -7.10	29.58 2.18 -6.59	26.99 2.22 -3.78	28.39 2.31 -4.26	30.48 2.34 -6.05	29.85 2.33 -5.98	29.38 2.23 -7.07	29.38 2.23 -7.03	29.30 2.18 -7.29	28.71 2.28 -6.42	32.29 2.71 -5.38	32.97 2.96 -3.80	29.37 2.72 -2.58	28.07 2.48 -2.87	26.42 2.05 -4.69	20.20 1.90 -0.04	19.55 1.73 0.00
NORTHPORT___IC 23718	19.09 1.59 -0.54	17.56 1.37 -0.77	17.13 1.26 -1.81	16.91 1.31 -0.58	17.38 1.35 -0.53	20.73 1.60 -2.28	29.44 1.90 -7.38	30.79 2.02 -7.10	29.44 2.04 -6.59	26.84 2.08 -3.78	28.13 2.05 -4.26	30.15 2.01 -6.05	29.51 1.98 -5.98	29.08 1.93 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.45 2.02 -6.42	31.95 2.37 -5.38	32.63 2.62 -3.80	29.09 2.43 -2.58	27.85 2.25 -2.87	26.26 1.89 -4.69	20.11 1.81 -0.04	19.46 1.64 0.00
NORTH___COUNTRY_ESR 323785	6.97 -0.78 9.21	6.29 -0.74 8.38	5.72 -0.69 7.64	6.16 -0.69 8.17	6.40 -0.68 8.42	6.95 -0.74 9.15	11.47 -0.89 7.80	9.18 -0.97 11.51	4.97 -1.19 14.66	2.53 -1.34 17.11	-0.22 -1.51 20.53	-7.97 -1.46 28.61	-7.85 -1.35 27.95	4.45 -1.33 14.29	3.02 -1.37 15.77	1.95 -1.37 16.50	4.49 -1.34 14.18	-8.00 -1.67 30.53	-8.02 -1.84 32.40	-8.00 -1.66 30.41	-8.06 -1.61 29.17	-8.18 -1.40 26.46	-8.21 -1.30 25.18	-7.89 -1.32 24.39
NPX_GEN_1385_PROXY 323591	19.05 1.56 -0.54	17.55 1.36 -0.77	17.10 1.24 -1.81	16.87 1.28 -0.58	17.35 1.32 -0.53	20.64 1.52 -2.28	29.42 1.88 -7.38	30.76 1.99 -7.10	29.42 2.02 -6.59	26.82 2.06 -3.78	28.09 2.01 -4.26	30.02 1.88 -6.05	29.38 1.85 -5.98	29.00 1.85 -7.07	29.00 1.85 -7.03	29.00 1.88 -7.29	28.41 1.98 -6.42	31.90 2.32 -5.38	32.50 2.49 -3.80	29.02 2.36 -2.58	27.83 2.23 -2.87	26.12 1.75 -4.69	20.07 1.77 -0.04	19.44 1.62 0.00
NPX_GEN_CSC 323557	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.40 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.96 1.84 -2.28	29.78 2.24 -7.38	31.18 2.41 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.13 2.05 -4.26	30.17 2.03 -6.05	29.51 1.98 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.04 1.92 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.03 2.43 -2.87	26.26 1.89 -4.69	20.17 1.86 -0.04	19.53 1.71 0.00
NSINS_S_GLNS_FALLS 23858	18.66 1.02 -0.68	17.31 0.91 -0.99	17.19 0.83 -2.31	16.64 0.89 -0.74	17.12 0.95 -0.68	17.91 1.06 0.00	21.51 1.35 0.00	23.80 1.45 -0.67	24.21 1.42 -1.99	22.62 1.51 -0.12	23.39 1.57 0.00	23.93 1.57 -0.26	22.99 1.44 0.00	21.49 1.41 0.00	21.95 1.43 -0.40	24.61 1.37 -3.42	25.13 1.36 -3.76	28.31 1.72 -2.39	31.79 1.83 -3.75	27.60 1.52 -2.01	24.22 1.50 0.00	20.82 1.14 0.00	19.25 0.99 0.00	18.73 0.91 0.00
NUCOR_STEEL___DRP 24197	17.07 0.03 -0.08	15.56 0.03 -0.11	14.34 0.03 -0.26	15.13 0.03 -0.08	15.62 0.05 -0.08	16.92 0.07 0.00	20.26 0.10 0.00	21.81 0.07 -0.08	21.08 0.04 -0.22	21.06 0.06 -0.01	21.88 0.07 0.00	22.17 0.04 -0.03	21.61 0.06 0.00	20.13 0.04 0.00	20.21 0.04 -0.05	20.25 0.04 -0.39	20.47 0.04 -0.42	24.56 0.10 -0.27	26.73 0.10 -0.42	24.37 0.07 -0.22	22.84 0.11 0.00	19.86 0.18 0.00	18.41 0.15 0.00	18.07 0.25 0.00
NUMBER_THREE_WT_PWR 323818	14.91 -0.14 1.92	13.54 -0.14 1.73	12.36 -0.15 1.54	13.16 -0.16 1.69	13.61 -0.14 1.75	14.79 -0.14 1.92	18.50 -0.02 1.64	19.25 -0.02 2.40	17.79 0.00 3.02	17.39 0.00 3.59	18.25 0.00 3.57	20.30 0.02 1.81	19.54 0.04 2.04	17.10 0.02 3.00	17.31 0.04 2.86	16.48 0.02 3.37	17.19 0.04 2.86	22.41 0.17 1.96	24.32 0.26 2.16	22.33 0.22 1.96	21.28 0.23 1.67	18.91 0.14 0.90	17.71 0.05 0.61	16.46 0.05 1.41
NYISO_LBMP_REFERENCE 24008	16.96 0.00 0.00	15.42 0.00 0.00	14.05 0.00 0.00	15.02 0.00 0.00	15.50 0.00 0.00	16.85 0.00 0.00	20.16 0.00 0.00	21.67 0.00 0.00	20.81 0.00 0.00	20.99 0.00 0.00	21.82 0.00 0.00	22.10 0.00 0.00	21.54 0.00 0.00	20.09 0.00 0.00	20.12 0.00 0.00	19.82 0.00 0.00	20.01 0.00 0.00	24.19 0.00 0.00	26.21 0.00 0.00	24.07 0.00 0.00	22.72 0.00 0.00	19.68 0.00 0.00	18.26 0.00 0.00	17.82 0.00 0.00
NYPA_BRENTWD___GT 24164	19.27 1.78 -0.54	17.73 1.54 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.55 1.52 -0.53	20.95 1.82 -2.28	29.72 2.18 -7.38	31.15 2.38 -7.10	29.73 2.33 -6.59	27.10 2.33 -3.78	28.48 2.40 -4.26	30.57 2.43 -6.05	29.90 2.37 -5.98	29.44 2.29 -7.07	29.44 2.29 -7.03	29.38 2.26 -7.29	28.79 2.36 -6.42	32.38 2.81 -5.38	33.08 3.07 -3.80	29.47 2.82 -2.58	28.19 2.59 -2.87	26.50 2.13 -4.70	20.29 1.99 -0.04	19.67 1.85 0.00
NYPA_GOWANUS___GT5 24156	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.37 2.30 -1.88	32.12 2.57 -3.34	28.01 2.36 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01
NYPA_GOWANUS___GT6 24157	19.01 1.51 -0.54	17.52 1.33 -0.78	17.08 1.21 -1.82	16.88 1.28 -0.59	17.34 1.30 -0.54	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.01 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.02 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.98 2.02 -2.95	28.37 2.30 -1.88	32.12 2.57 -3.34	28.01 2.36 -1.58	34.80 2.09 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.38 1.55 -0.01



NYPA_HARLEM__RVR__GT1 24160	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.21 1.36 0.00	21.57 1.41 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.90 1.83 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.32 1.50 -0.01
NYPA_HARLEM__RVR__GT2 24161	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.21 1.36 0.00	21.57 1.41 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.90 1.83 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.32 1.50 -0.01
NYPA_KENT____GT 24152	18.98 1.47 -0.54	17.49 1.30 -0.78	17.06 1.19 -1.82	16.87 1.26 -0.59	17.33 1.29 -0.54	18.21 1.36 0.00	21.72 1.55 0.00	24.02 1.82 -0.53	24.22 1.85 -1.56	22.99 1.91 -0.10	23.82 2.01 0.00	27.19 2.03 -3.06	28.65 2.00 -5.10	33.60 1.95 -11.57	22.43 1.99 -0.32	24.39 1.88 -2.68	24.98 2.02 -2.95	28.37 2.30 -1.88	31.95 2.54 -3.20	27.98 2.33 -1.58	31.21 2.07 -6.42	24.46 1.69 -3.09	19.96 1.66 -0.04	19.36 1.53 -0.01
NYPA_POUCH1____GT 24155	18.98 1.47 -0.54	17.49 1.30 -0.78	17.05 1.18 -1.82	16.87 1.26 -0.59	17.31 1.27 -0.54	18.18 1.33 0.00	21.68 1.51 0.00	23.98 1.78 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	28.72 1.94 -4.68	31.50 1.94 -8.02	40.15 1.89 -18.18	22.35 1.91 -0.32	24.29 1.78 -2.68	24.87 1.92 -2.94	28.28 2.20 -1.88	32.05 2.49 -3.34	27.94 2.29 -1.58	34.83 2.02 -10.09	26.12 1.63 -4.81	19.96 1.64 -0.06	19.34 1.51 -0.01
NYPA_VERNON____GT2 24162	18.94 1.44 -0.54	17.48 1.28 -0.78	17.05 1.18 -1.82	16.85 1.25 -0.59	17.31 1.27 -0.54	18.21 1.36 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.20 1.83 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	25.58 2.01 -1.48	25.82 2.00 -2.27	27.16 1.93 -5.15	22.41 1.97 -0.32	24.39 1.88 -2.68	24.96 2.00 -2.95	28.37 2.30 -1.88	31.78 2.52 -3.06	27.96 2.31 -1.58	27.63 2.05 -2.86	22.73 1.67 -1.37	19.92 1.64 -0.02	19.32 1.50 -0.01
NYPA_VERNON____GT3 24163	18.94 1.44 -0.54	17.48 1.28 -0.78	17.05 1.18 -1.82	16.85 1.25 -0.59	17.31 1.27 -0.54	18.21 1.36 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.20 1.83 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	25.58 2.01 -1.48	25.82 2.00 -2.27	27.16 1.93 -5.15	22.41 1.97 -0.32	24.39 1.88 -2.68	24.96 2.00 -2.95	28.37 2.30 -1.88	31.78 2.52 -3.06	27.96 2.31 -1.58	27.63 2.05 -2.86	22.73 1.67 -1.37	19.92 1.64 -0.02	19.32 1.50 -0.01
NYPA__ASTORIA_CC1 323568	18.93 1.42 -0.54	17.45 1.25 -0.78	17.04 1.17 -1.82	16.84 1.23 -0.59	17.30 1.26 -0.54	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.54 1.89 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.15 2.00 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.31 1.48 -0.01
NYPA__ASTORIA_CC2 323569	18.93 1.42 -0.54	17.45 1.25 -0.78	17.04 1.17 -1.82	16.84 1.23 -0.59	17.30 1.26 -0.54	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.90 1.97 -0.84	24.64 1.96 -1.13	24.54 1.89 -2.57	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.67 2.46 -3.00	27.91 2.26 -1.58	26.15 2.00 -1.43	22.00 1.63 -0.69	19.88 1.61 -0.01	19.31 1.48 -0.01
NYPA__HOLTSVILL 23794	19.21 1.71 -0.54	17.69 1.49 -0.77	17.25 1.39 -1.81	17.03 1.43 -0.58	17.51 1.47 -0.53	20.91 1.79 -2.28	29.70 2.16 -7.38	31.09 2.32 -7.10	29.56 2.16 -6.59	26.88 2.12 -3.78	28.24 2.16 -4.26	30.29 2.14 -6.05	29.62 2.09 -5.98	29.18 2.03 -7.07	29.18 2.03 -7.03	29.12 2.00 -7.29	28.55 2.12 -6.42	32.17 2.59 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.34 1.97 -4.69	20.20 1.90 -0.04	19.57 1.75 0.00
NYPA__HELLGATE_GT1 24158	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.21 1.36 0.00	21.57 1.41 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.90 1.83 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.32 1.50 -0.01
NYPA__HELLGATE_GT2 24159	18.94 1.44 -0.54	17.49 1.30 -0.78	17.08 1.21 -1.82	16.90 1.29 -0.59	17.34 1.30 -0.54	18.21 1.36 0.00	21.57 1.41 0.01	23.86 1.67 -0.52	24.11 1.75 -1.55	22.86 1.78 -0.09	23.69 1.88 0.01	24.19 1.90 -0.20	23.43 1.90 0.01	21.90 1.83 0.01	22.30 1.87 -0.31	24.28 1.78 -2.67	24.88 1.92 -2.95	28.24 2.18 -1.87	31.53 2.38 -2.93	27.83 2.19 -1.57	24.65 1.93 0.01	21.26 1.57 -0.01	19.81 1.53 -0.01	19.32 1.50 -0.01
NYS_BARGE__HYD 23848	15.79 -1.25 -0.08	14.46 -1.08 -0.12	13.39 -0.94 -0.28	14.10 -1.01 -0.09	14.47 -1.12 -0.08	15.64 -1.21 0.00	18.77 -1.39 0.00	19.78 -1.97 -0.08	18.93 -2.12 -0.24	18.84 -2.16 -0.02	19.59 -2.23 0.00	19.70 -2.43 -0.03	19.09 -2.46 0.00	18.04 -2.05 0.00	18.06 -2.11 -0.05	18.24 -2.00 -0.42	18.45 -2.02 -0.46	22.02 -2.47 -0.29	23.99 -2.67 -0.46	21.89 -2.43 -0.24	20.52 -2.20 0.00	17.99 -1.69 0.00	16.75 -1.52 0.00	16.84 -0.98 0.00
OAK ORCHARD__HYD 24046	16.49 -0.54 -0.07	15.06 -0.46 -0.11	13.91 -0.39 -0.25	14.68 -0.42 -0.08	15.11 -0.46 -0.07	16.21 -0.64 0.00	19.42 -0.75 0.00	20.95 -0.80 -0.07	20.14 -0.89 -0.22	19.91 -1.09 -0.01	20.73 -1.09 0.00	21.02 -1.10 -0.03	20.32 -1.23 0.00	19.04 -1.05 0.00	19.30 -0.86 -0.04	19.39 -0.81 -0.37	19.62 -0.80 -0.41	23.49 -0.97 -0.26	25.54 -1.08 -0.41	23.30 -0.99 -0.22	21.63 -1.09 0.00	18.87 -0.81 0.00	17.55 -0.71 0.00	17.39 -0.43 0.00
OAKDALE__35_KV_LOAD 356122	17.24 0.10 -0.18	15.77 0.09 -0.27	14.76 0.08 -0.62	15.31 0.09 -0.20	15.78 0.09 -0.18	17.09 0.24 0.00	20.47 0.30 0.00	21.94 0.09 -0.18	21.43 0.08 -0.54	21.21 0.19 -0.03	22.01 0.20 0.00	22.25 0.09 -0.07	21.72 0.17 0.00	20.31 0.22 0.00	20.31 0.08 -0.11	20.83 0.08 -0.92	21.11 0.10 -1.00	24.98 0.15 -0.64	27.40 0.18 -1.00	24.78 0.17 -0.54	23.04 0.32 0.00	20.01 0.33 0.00	18.56 0.29 0.00	18.21 0.39 0.00
OCC_CHEM__DRP 24175	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.65 -2.41 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.63 -2.45 0.00	17.82 -2.35 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.45 -1.37 0.00



OH_GEN_PROXY 24063	15.81 -1.24 -0.09	14.49 -1.05 -0.12	13.44 -0.90 -0.29	14.15 -0.96 -0.09	14.50 -1.09 -0.08	15.64 -1.21 0.00	18.75 -1.41 0.00	19.85 -1.91 -0.08	19.00 -2.06 -0.25	18.82 -2.18 -0.02	19.57 -2.25 0.00	19.72 -2.41 -0.03	19.07 -2.48 0.00	18.02 -2.07 0.00	18.06 -2.11 -0.05	18.25 -2.00 -0.43	18.45 -2.02 -0.46	22.05 -2.44 -0.30	24.00 -2.67 -0.46	21.89 -2.43 -0.25	20.47 -2.25 0.00	17.95 -1.73 0.00	16.73 -1.53 0.00	16.78 -1.03 0.00
OLIN_CORP_DRP 24177	15.60 -1.44 -0.09	14.31 -1.23 -0.12	13.26 -1.08 -0.29	13.96 -1.16 -0.09	14.32 -1.27 -0.09	15.43 -1.42 0.00	18.53 -1.63 0.00	19.55 -2.21 -0.09	18.71 -2.35 -0.25	18.55 -2.46 -0.02	19.29 -2.53 0.00	19.41 -2.72 -0.03	18.79 -2.76 0.00	17.74 -2.35 0.00	17.88 -2.29 -0.05	18.00 -2.26 -0.43	18.18 -2.30 -0.47	21.71 -2.78 -0.30	23.64 -3.04 -0.47	21.58 -2.74 -0.25	20.20 -2.52 0.00	17.71 -1.97 0.00	16.51 -1.75 0.00	16.54 -1.28 0.00
OLIN_CORP_DSASP 323712	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.67 -2.39 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.65 -2.43 0.00	17.74 -2.44 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.50 -1.32 0.00
ONEIDA_HERK_LFGE 323681	16.68 0.29 0.57	15.15 0.25 0.51	13.83 0.21 0.43	14.74 0.23 0.50	15.25 0.26 0.52	16.59 0.32 0.58	20.15 0.48 0.50	21.46 0.50 0.72	20.45 0.52 0.88	20.43 0.52 1.08	21.33 0.57 1.06	22.26 0.60 0.43	21.61 0.58 0.51	19.72 0.54 0.91	19.82 0.54 0.85	19.37 0.51 0.97	19.73 0.52 0.80	24.49 0.73 0.43	26.59 0.84 0.46	24.38 0.75 0.43	23.07 0.73 0.38	20.12 0.59 0.14	18.68 0.47 0.06	17.98 0.48 0.32
ONEIDA___115KV_TB4 55905	17.50 0.51 -0.03	15.92 0.46 -0.04	14.56 0.41 -0.10	15.49 0.44 -0.03	16.01 0.48 -0.03	17.42 0.57 0.00	20.95 0.79 0.00	22.50 0.80 -0.03	21.71 0.81 -0.08	21.83 0.84 -0.01	22.71 0.89 0.00	23.01 0.91 -0.01	22.45 0.90 0.00	20.91 0.82 0.00	20.97 0.83 -0.02	20.78 0.81 -0.14	20.97 0.76 -0.20	25.29 0.97 -0.13	27.51 1.10 -0.20	25.17 0.99 -0.11	23.70 0.98 0.00	20.51 0.83 0.00	18.98 0.71 0.00	18.57 0.75 0.00
ONONDAGA_REF_OCCRA 23987	16.98 -0.05 -0.07	15.47 -0.05 -0.10	14.25 -0.04 -0.24	15.05 -0.05 -0.08	15.53 -0.05 -0.07	16.82 -0.03 0.00	20.14 -0.02 0.00	21.70 -0.04 -0.07	20.96 -0.06 -0.21	20.96 -0.04 -0.01	21.80 -0.02 0.00	22.08 -0.04 -0.03	21.50 -0.04 0.00	20.02 -0.06 0.00	20.09 -0.08 -0.04	20.13 -0.06 -0.36	20.31 -0.08 -0.38	24.39 -0.05 -0.24	26.54 -0.05 -0.38	24.20 -0.07 -0.20	22.70 -0.02 0.00	19.76 0.08 0.00	18.32 0.05 0.00	17.94 0.12 0.00
ONONDAGA___COGEN 23986	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
ONTARIO___LFGE 23819	17.07 0.02 -0.09	15.55 0.00 -0.13	14.37 0.01 -0.30	15.13 0.02 -0.10	15.61 0.02 -0.09	16.95 0.10 0.00	20.34 0.18 0.00	21.81 0.04 -0.09	21.08 0.00 -0.26	21.05 0.04 -0.02	21.86 0.04 0.00	22.09 -0.04 -0.03	21.52 -0.02 0.00	20.15 0.06 0.00	20.18 0.00 -0.05	20.30 0.02 -0.45	20.52 0.02 -0.49	24.63 0.12 -0.31	26.83 0.13 -0.49	24.43 0.10 -0.26	22.93 0.20 0.00	19.90 0.22 0.00	18.41 0.15 0.00	18.14 0.32 0.00
ORANGEVILLE_WT_PWR 323706	15.64 -1.41 -0.09	14.31 -1.23 -0.13	13.25 -1.10 -0.30	13.93 -1.19 -0.10	14.24 -1.35 -0.09	15.57 -1.28 0.00	18.59 -1.57 0.00	19.42 -2.34 -0.09	18.61 -2.46 -0.26	18.65 -2.35 -0.02	19.40 -2.42 0.00	19.43 -2.70 -0.03	18.91 -2.63 0.00	17.86 -2.23 0.00	17.66 -2.52 -0.05	17.87 -2.40 -0.44	18.05 -2.44 -0.48	21.55 -2.95 -0.31	23.47 -3.22 -0.48	21.44 -2.89 -0.26	20.29 -2.43 0.00	17.77 -1.91 0.00	16.55 -1.72 0.00	16.63 -1.19 0.00
ORANGEVILLE___ESR 323794	15.64 -1.41 -0.09	14.31 -1.23 -0.13	13.25 -1.10 -0.30	13.93 -1.19 -0.10	14.24 -1.35 -0.09	15.57 -1.28 0.00	18.59 -1.57 0.00	19.42 -2.34 -0.09	18.61 -2.46 -0.26	18.65 -2.35 -0.02	19.40 -2.42 0.00	19.43 -2.70 -0.03	18.91 -2.63 0.00	17.86 -2.23 0.00	17.66 -2.52 -0.05	17.87 -2.40 -0.44	18.05 -2.44 -0.48	21.55 -2.95 -0.31	23.47 -3.22 -0.48	21.44 -2.89 -0.26	20.29 -2.43 0.00	17.77 -1.91 0.00	16.55 -1.72 0.00	16.63 -1.19 0.00
OSWEGATCHIE___HYD 24044	11.46 -0.51 4.99	10.39 -0.49 4.53	9.47 -0.48 4.10	10.09 -0.51 4.42	10.44 -0.50 4.56	11.27 -0.61 4.97	15.30 -0.63 4.24	14.80 -0.63 6.24	12.29 -0.60 7.92	11.06 -0.63 9.30	11.94 -0.61 9.26	16.69 -0.49 4.92	15.57 -0.49 5.47	11.86 -0.46 7.77	12.25 -0.44 7.43	10.38 -0.55 8.89	11.82 -0.58 7.61	18.15 -0.60 5.44	19.52 -0.65 6.03	18.09 -0.58 5.41	17.63 -0.55 4.54	16.61 -0.49 2.57	16.02 -0.42 1.82	13.51 -0.46 3.84
OSWEGO___5 23606	16.65 -0.36 -0.05	15.16 -0.32 -0.07	13.94 -0.28 -0.17	14.77 -0.30 -0.05	15.24 -0.31 -0.05	16.49 -0.35 0.00	19.74 -0.42 0.00	21.24 -0.48 -0.05	20.50 -0.46 -0.14	20.51 -0.48 -0.01	21.34 -0.48 0.00	21.61 -0.51 -0.02	21.05 -0.49 0.00	19.56 -0.52 0.00	19.65 -0.50 -0.03	19.59 -0.48 -0.24	19.78 -0.50 -0.27	23.78 -0.58 -0.17	25.85 -0.63 -0.27	23.61 -0.60 -0.14	22.18 -0.55 0.00	19.30 -0.37 0.00	17.94 -0.33 0.00	17.57 -0.25 0.00
OSWEGO___6 23613	16.65 -0.36 -0.05	15.16 -0.32 -0.07	13.94 -0.28 -0.17	14.77 -0.30 -0.05	15.24 -0.31 -0.05	16.49 -0.35 0.00	19.74 -0.42 0.00	21.24 -0.48 -0.05	20.50 -0.46 -0.14	20.51 -0.48 -0.01	21.34 -0.48 0.00	21.61 -0.51 -0.02	21.05 -0.49 0.00	19.56 -0.52 0.00	19.65 -0.50 -0.03	19.59 -0.48 -0.24	19.78 -0.50 -0.27	23.78 -0.58 -0.17	25.85 -0.63 -0.27	23.61 -0.60 -0.14	22.18 -0.55 0.00	19.30 -0.37 0.00	17.94 -0.33 0.00	17.57 -0.25 0.00
OUTOKUMPU-AB___DRP 24206	15.86 -1.19 -0.09	14.55 -0.99 -0.13	13.49 -0.86 -0.29	14.20 -0.92 -0.09	14.56 -1.02 -0.09	15.75 -1.10 0.00	18.89 -1.27 0.00	19.85 -1.91 -0.09	19.02 -2.04 -0.25	18.97 -2.04 -0.02	19.72 -2.09 0.00	19.81 -2.32 -0.03	19.22 -2.33 0.00	18.16 -1.93 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.43	18.50 -1.98 -0.47	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.68 -2.05 0.00	18.12 -1.55 0.00	16.88 -1.39 0.00	16.89 -0.93 0.00
OXBOW___BTM 323836	15.77 -1.27 -0.09	14.49 -1.05 -0.12	13.43 -0.91 -0.29	14.14 -0.98 -0.09	14.49 -1.10 -0.09	15.60 -1.25 0.00	18.69 -1.47 0.00	19.72 -2.04 -0.08	18.88 -2.19 -0.25	18.74 -2.27 -0.02	19.50 -2.31 0.00	19.61 -2.52 -0.03	18.98 -2.56 0.00	17.96 -2.13 0.00	17.98 -2.19 -0.05	18.15 -2.10 -0.43	18.36 -2.12 -0.47	21.93 -2.57 -0.30	23.87 -2.80 -0.47	21.79 -2.53 -0.25	20.41 -2.32 0.00	17.91 -1.77 0.00	16.67 -1.59 0.00	16.75 -1.07 0.00



OXBOW____ 24026	15.77 -1.27 -0.09	14.49 -1.05 -0.12	13.43 -0.91 -0.29	14.14 -0.98 -0.09	14.49 -1.10 -0.09	15.60 -1.25 0.00	18.69 -1.47 0.00	19.70 -2.06 -0.08	18.88 -2.19 -0.25	18.74 -2.27 -0.02	19.51 -2.31 0.00	19.61 -2.52 -0.03	18.98 -2.56 0.00	17.94 -2.15 0.00	18.06 -2.11 -0.05	18.15 -2.10 -0.43	18.36 -2.12 -0.47	21.93 -2.56 -0.30	23.87 -2.80 -0.47	21.79 -2.53 -0.25	20.41 -2.32 0.00	17.91 -1.77 0.00	16.68 -1.59 0.00	16.70 -1.12 0.00
OXY_CHEM_DSASP 323612	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.65 -2.41 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.63 -2.45 0.00	17.82 -2.35 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.45 -1.37 0.00
OZONE_PARK_ESR 323760	18.97 1.48 -0.54	17.49 1.29 -0.77	17.06 1.19 -1.81	16.86 1.26 -0.58	17.32 1.29 -0.53	18.26 1.42 0.00	21.84 1.67 0.00	24.13 1.93 -0.53	24.35 1.98 -1.56	23.08 1.99 -0.10	23.91 2.09 0.00	24.44 2.14 -0.21	23.68 2.13 0.00	22.15 2.07 0.00	22.51 2.07 -0.32	24.53 2.02 -2.68	25.10 2.14 -2.95	28.59 2.52 -1.88	31.91 2.75 -2.94	28.18 2.53 -1.58	24.95 2.23 0.00	21.53 1.85 0.00	20.00 1.74 0.00	19.37 1.55 0.00
PACKARD_115_KV_ADAMS_187_REV_LBMP_A 345013	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.65 -2.41 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.63 -2.45 0.00	17.82 -2.35 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.45 -1.37 0.00
PACKARD__115KV_DUPONT_184 80571	15.62 -1.42 -0.09	14.37 -1.17 -0.12	13.33 -1.01 -0.29	14.03 -1.08 -0.09	14.38 -1.21 -0.08	15.40 -1.45 0.00	18.43 -1.73 0.00	19.50 -2.25 -0.08	18.65 -2.41 -0.25	18.44 -2.56 -0.02	19.18 -2.64 0.00	19.34 -2.78 -0.03	18.68 -2.87 0.00	17.63 -2.45 0.00	17.82 -2.35 -0.05	17.93 -2.32 -0.43	18.13 -2.34 -0.47	21.64 -2.86 -0.30	23.56 -3.12 -0.46	21.50 -2.82 -0.25	20.07 -2.66 0.00	17.59 -2.09 0.00	16.42 -1.84 0.00	16.45 -1.37 0.00
PARKCHTR_138_KV_TB2S_REV_LBMP_J 345007	18.90 1.41 -0.54	17.45 1.26 -0.77	17.04 1.18 -1.81	16.85 1.25 -0.58	17.30 1.27 -0.53	18.18 1.33 0.00	21.55 1.39 0.00	23.85 1.65 -0.53	24.08 1.71 -1.56	22.83 1.74 -0.10	23.65 1.83 0.00	24.15 1.86 -0.20	23.39 1.85 0.01	21.88 1.81 0.01	22.29 1.85 -0.32	24.25 1.74 -2.68	24.82 1.86 -2.95	28.20 2.13 -1.88	31.50 2.36 -2.93	27.81 2.17 -1.58	24.58 1.86 0.01	21.24 1.55 -0.01	19.79 1.52 -0.01	19.26 1.44 0.00
PARKCHTR_13_KV_CPCTY_REV_LBMP_J 345019	19.09 1.59 -0.54	17.61 1.42 -0.77	17.18 1.32 -1.81	17.01 1.41 -0.58	17.46 1.43 -0.53	18.35 1.50 0.00	21.76 1.59 0.00	24.07 1.86 -0.53	24.27 1.89 -1.56	23.02 1.93 -0.10	23.87 2.05 0.00	24.35 2.05 -0.20	23.58 2.05 0.01	22.07 1.99 0.01	22.47 2.03 -0.32	24.45 1.94 -2.68	25.02 2.06 -2.95	28.47 2.40 -1.88	31.77 2.62 -2.93	28.06 2.41 -1.58	24.78 2.07 0.01	21.42 1.73 -0.01	19.97 1.70 -0.01	19.44 1.62 0.00
PATROON__115KV_TB1 80586	18.52 0.90 -0.66	17.20 0.83 -0.95	17.04 0.76 -2.23	16.54 0.81 -0.71	16.99 0.84 -0.66	17.66 0.81 0.00	21.05 0.89 0.00	23.24 0.91 -0.65	23.63 0.89 -1.92	22.07 0.97 -0.12	22.80 0.98 0.00	23.32 0.97 -0.25	22.51 0.97 0.00	21.03 0.94 0.00	21.44 0.93 -0.39	24.02 0.89 -3.31	24.54 0.90 -3.63	27.62 1.11 -2.32	31.02 1.18 -3.63	27.07 1.06 -1.94	23.75 1.02 0.00	20.53 0.85 0.00	19.01 0.75 0.00	18.48 0.66 0.00
PATTRSNVILLE__SOLAR 323815	18.41 0.75 -0.70	17.11 0.68 -1.01	17.04 0.62 -2.37	16.44 0.66 -0.76	16.90 0.70 -0.70	17.64 0.79 0.00	21.13 0.97 0.00	23.39 1.02 -0.69	23.83 0.98 -2.04	22.12 1.01 -0.13	22.87 1.05 0.00	23.40 1.04 -0.27	22.56 1.01 0.00	21.07 0.98 0.00	21.52 0.99 -0.41	24.31 0.97 -3.51	24.87 1.00 -3.86	27.89 1.23 -2.46	31.40 1.34 -3.85	27.29 1.16 -2.06	23.84 1.11 0.00	20.57 0.89 0.00	19.05 0.78 0.00	18.57 0.75 0.00
PAVMNTRD_115_KV_BK1_REV_LBMP_A 345030	15.56 -1.49 -0.09	14.24 -1.31 -0.14	13.20 -1.17 -0.32	13.87 -1.25 -0.10	14.25 -1.35 -0.09	16.39 -0.45 0.00	19.64 -0.52 0.00	19.51 -2.25 -0.09	18.76 -2.33 -0.27	19.81 -1.20 -0.02	20.57 -1.24 0.00	20.05 -2.08 -0.04	20.12 -1.42 0.00	19.06 -1.02 0.00	17.99 -2.19 -0.06	18.14 -2.16 -0.47	18.34 -2.18 -0.51	21.89 -2.64 -0.33	23.87 -2.86 -0.51	21.77 -2.58 -0.27	21.68 -1.05 0.00	18.97 -0.71 0.00	17.62 -0.64 0.00	17.62 -0.20 0.00
PAWLING_115_KV_BK3_REV_LBMP_H 345028	18.81 1.31 -0.55	17.36 1.16 -0.79	16.95 1.05 -1.85	16.75 1.14 -0.59	17.19 1.15 -0.54	18.15 1.30 0.00	21.72 1.55 0.00	23.92 1.71 -0.54	24.05 1.64 -1.59	22.77 1.68 -0.10	23.59 1.77 0.00	24.12 1.81 -0.21	23.31 1.77 0.00	21.79 1.71 0.00	22.16 1.71 -0.32	24.28 1.72 -2.73	24.81 1.80 -3.00	28.29 2.18 -1.91	31.57 2.36 -3.00	27.80 2.12 -1.61	24.63 1.91 0.00	21.19 1.52 0.00	19.62 1.35 0.00	19.07 1.25 0.00
PEEKSKILL____ 23653	18.67 1.19 -0.53	17.24 1.06 -0.76	16.81 0.97 -1.79	16.63 1.04 -0.57	17.08 1.05 -0.52	18.05 1.20 0.00	21.57 1.41 0.00	23.78 1.58 -0.52	23.95 1.60 -1.54	22.70 1.62 -0.10	23.50 1.68 0.00	24.02 1.72 -0.20	23.24 1.70 0.00	21.73 1.65 0.00	22.09 1.65 -0.31	24.10 1.63 -2.65	24.62 1.70 -2.91	28.06 2.01 -1.85	31.31 2.20 -2.90	27.65 2.02 -1.56	24.54 1.82 0.00	21.16 1.48 0.00	19.62 1.35 0.00	19.03 1.21 0.00
PGE MADISON__WINDPWR 24146	18.31 1.17 -0.18	16.71 1.03 -0.26	15.56 0.90 -0.60	16.16 0.95 -0.19	16.72 1.04 -0.18	18.20 1.35 0.00	21.98 1.82 0.00	23.65 1.80 -0.18	23.08 1.75 -0.52	22.85 1.83 -0.03	23.78 1.96 0.00	24.11 1.94 -0.07	23.48 1.94 0.00	22.03 1.95 0.00	22.06 1.83 -0.11	22.50 1.78 -0.89	22.82 1.84 -0.97	27.38 2.56 -0.62	30.11 2.93 -0.97	27.26 2.67 -0.52	25.36 2.63 0.00	21.88 2.20 0.00	20.13 1.86 0.00	19.81 2.00 0.00
PIERCEFIELD__HYD 23852	8.69 -0.73 7.54	7.87 -0.68 6.86	7.15 -0.65 6.26	7.66 -0.68 6.69	7.92 -0.68 6.89	8.44 -0.91 7.49	12.77 -1.01 6.39	11.25 -1.00 9.43	7.79 -1.02 12.00	5.95 -1.03 14.01	6.85 -1.00 13.97	13.84 -0.77 7.48	12.47 -0.78 8.30	7.64 -0.74 11.70	8.18 -0.72 11.22	5.38 -0.93 13.51	7.47 -0.98 11.56	14.70 -1.19 8.31	15.63 -1.34 9.24	14.66 -1.16 8.25	14.70 -1.11 6.91	14.79 -0.94 3.94	14.71 -0.75 2.81	11.16 -0.82 5.84
PINELAWN_CC_1 323563	19.17 1.68 -0.54	17.64 1.45 -0.78	17.20 1.34 -1.81	16.98 1.38 -0.58	17.46 1.43 -0.53	20.83 1.70 -2.28	29.56 2.02 -7.38	31.00 2.23 -7.10	29.61 2.21 -6.59	27.02 2.25 -3.78	28.42 2.34 -4.27	30.51 2.37 -6.05	29.86 2.33 -5.99	29.40 2.25 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.30	28.73 2.30 -6.42	32.31 2.73 -5.38	33.00 2.99 -3.80	29.40 2.74 -2.58	28.10 2.50 -2.87	26.45 2.07 -4.71	20.22 1.92 -0.04	19.58 1.76 0.00



PJM_GEN_HTP_PROXY 323702	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.81 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.33 1.82 -2.68	24.88 1.92 -2.95	28.32 2.25 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.17 1.35 0.00
PJM_GEN_KEystone 24065	17.39 0.10 -0.33	15.98 0.09 -0.48	15.28 0.11 -1.11	15.49 0.12 -0.36	15.92 0.09 -0.33	17.12 0.27 0.00	20.49 0.32 0.00	22.02 0.02 -0.33	21.75 -0.02 -0.96	21.17 0.13 -0.06	21.95 0.13 0.00	22.20 -0.02 -0.13	21.63 0.09 0.00	20.31 0.22 0.00	20.32 0.00 -0.19	21.49 0.02 -1.65	21.90 0.08 -1.81	25.42 0.07 -1.15	28.09 0.08 -1.80	25.14 0.10 -0.97	23.00 0.27 0.00	19.95 0.28 0.00	18.52 0.26 0.00	18.21 0.39 0.00
PJM_GEN_NEPTUNE_PROXY 323594	18.97 1.47 -0.54	17.47 1.28 -0.77	17.03 1.17 -1.81	16.81 1.22 -0.58	17.29 1.26 -0.53	20.59 1.47 -2.28	29.28 1.73 -7.38	30.70 1.93 -7.10	29.33 1.94 -6.58	26.74 1.97 -3.78	28.13 2.05 -4.26	30.22 2.08 -6.05	29.59 2.07 -5.98	29.14 1.99 -7.07	29.14 1.99 -7.03	29.07 1.96 -7.29	28.47 2.04 -6.42	32.00 2.42 -5.38	32.63 2.62 -3.80	29.09 2.43 -2.58	27.80 2.20 -2.87	26.17 1.81 -4.68	19.98 1.68 -0.04	19.33 1.51 0.00
PJM_GEN_VFT_PROXY 323633	18.75 1.25 -0.54	17.30 1.11 -0.77	16.89 1.03 -1.81	16.69 1.10 -0.58	17.13 1.10 -0.53	18.08 1.23 0.00	21.57 1.41 0.00	23.85 1.65 -0.53	24.08 1.71 -1.56	22.81 1.72 -0.10	23.61 1.79 0.00	24.16 1.86 -0.21	23.40 1.85 0.00	21.89 1.81 0.00	22.25 1.81 -0.32	24.25 1.75 -2.68	24.80 1.84 -2.95	28.23 2.15 -1.88	31.51 2.36 -2.94	27.84 2.19 -1.58	24.65 1.93 0.00	21.25 1.57 0.00	19.78 1.52 0.00	19.12 1.30 0.00
PLATSBRG_115KV_PMLD1 355749	7.03 -0.56 9.37	6.35 -0.54 8.53	5.77 -0.51 7.77	6.20 -0.51 8.31	6.45 -0.48 8.57	7.03 -0.51 9.31	11.60 -0.63 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.10 -1.27 20.65	-6.89 -1.22 27.77	-6.88 -1.21 27.22	4.40 -1.14 14.54	3.10 -1.13 15.90	1.89 -1.15 16.79	4.47 -1.12 14.42	-6.87 -1.40 29.67	-6.86 -1.55 31.52	-6.88 -1.40 29.55	-6.90 -1.36 28.26	-6.94 -1.18 25.44	-6.96 -1.10 24.13	-6.92 -1.10 23.64
PLEASANTVLY___LBMP 24000	18.61 1.09 -0.56	17.22 0.99 -0.82	16.86 0.90 -1.91	16.59 0.96 -0.61	17.04 0.98 -0.56	17.94 1.10 0.00	21.45 1.29 0.00	23.66 1.43 -0.56	23.87 1.42 -1.64	22.54 1.45 -0.10	23.32 1.51 0.00	23.84 1.52 -0.22	23.05 1.51 0.00	21.55 1.47 0.00	21.91 1.45 -0.33	24.08 1.43 -2.83	24.60 1.48 -3.11	27.92 1.74 -1.98	31.23 1.91 -3.10	27.49 1.76 -1.66	24.34 1.61 0.00	20.96 1.28 0.00	19.45 1.19 0.00	18.91 1.09 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	18.72 1.22 -0.54	17.29 1.09 -0.78	16.89 1.01 -1.83	16.67 1.07 -0.59	17.12 1.09 -0.54	18.08 1.23 0.00	21.62 1.45 0.00	23.83 1.63 -0.53	24.03 1.64 -1.58	22.76 1.68 -0.10	23.56 1.75 0.00	24.09 1.79 -0.21	23.31 1.77 0.00	21.79 1.71 0.00	22.15 1.71 -0.32	24.20 1.67 -2.71	24.75 1.76 -2.98	28.17 2.08 -1.90	31.44 2.25 -2.97	27.76 2.09 -1.59	24.59 1.86 0.00	21.19 1.52 0.00	19.67 1.41 0.00	19.08 1.27 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	18.72 1.22 -0.54	17.29 1.09 -0.78	16.89 1.01 -1.83	16.67 1.07 -0.59	17.12 1.09 -0.54	18.08 1.23 0.00	21.62 1.45 0.00	23.83 1.63 -0.53	24.03 1.64 -1.58	22.76 1.68 -0.10	23.56 1.75 0.00	24.09 1.79 -0.21	23.31 1.77 0.00	21.79 1.71 0.00	22.15 1.71 -0.32	24.20 1.67 -2.71	24.75 1.76 -2.98	28.17 2.08 -1.90	31.44 2.25 -2.97	27.76 2.09 -1.59	24.59 1.86 0.00	21.19 1.52 0.00	19.67 1.41 0.00	19.08 1.27 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	18.66 1.15 -0.55	17.25 1.03 -0.80	16.86 0.94 -1.87	16.64 1.02 -0.60	17.09 1.04 -0.55	18.03 1.18 0.00	21.58 1.41 0.00	23.69 1.47 -0.55	23.88 1.46 -1.61	22.58 1.49 -0.10	23.32 1.51 0.00	23.88 1.57 -0.21	23.07 1.53 0.00	21.57 1.49 0.00	21.92 1.47 -0.33	24.06 1.47 -2.77	24.57 1.52 -3.04	27.97 1.84 -1.94	31.27 2.02 -3.04	27.53 1.83 -1.63	24.41 1.68 0.00	21.02 1.34 0.00	19.49 1.22 0.00	18.94 1.12 0.00
POLETTI____ 23519	18.78 1.29 -0.54	17.33 1.14 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.10 1.25 0.00	21.62 1.45 0.00	23.89 1.69 -0.53	24.10 1.73 -1.56	22.85 1.76 -0.10	23.65 1.83 0.00	24.18 1.88 -0.21	23.42 1.87 0.00	21.91 1.83 0.00	22.27 1.83 -0.32	24.29 1.78 -2.68	24.84 1.88 -2.95	28.28 2.20 -1.88	31.56 2.41 -2.94	27.86 2.21 -1.58	24.68 1.95 0.00	21.29 1.61 0.00	19.80 1.53 0.00	19.17 1.35 0.00
POMONA___ESR 323819	18.66 1.19 -0.52	17.21 1.05 -0.75	16.77 0.97 -1.75	16.61 1.04 -0.56	17.07 1.05 -0.51	18.05 1.20 0.00	21.57 1.41 0.00	23.75 1.56 -0.51	23.90 1.58 -1.51	22.68 1.59 -0.09	23.46 1.64 0.00	24.00 1.70 -0.20	23.22 1.68 0.00	21.71 1.63 0.00	22.06 1.63 -0.30	24.00 1.59 -2.59	24.54 1.68 -2.85	27.99 1.98 -1.81	31.23 2.17 -2.84	27.59 2.00 -1.52	24.54 1.82 0.00	21.14 1.46 0.00	19.62 1.35 0.00	19.03 1.21 0.00
PORT_JEFF_3 23555	19.24 1.75 -0.54	17.72 1.53 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.95 1.82 -2.28	29.74 2.20 -7.38	31.15 2.38 -7.10	29.60 2.21 -6.59	26.95 2.18 -3.78	28.31 2.23 -4.26	30.35 2.21 -6.05	29.68 2.15 -5.98	29.24 2.09 -7.07	29.24 2.09 -7.03	29.20 2.08 -7.29	28.61 2.18 -6.42	32.24 2.66 -5.38	32.97 2.96 -3.80	29.40 2.74 -2.58	28.12 2.52 -2.87	26.40 2.03 -4.69	20.26 1.96 -0.04	19.60 1.78 0.00
PORT_JEFF_4 23616	19.24 1.75 -0.54	17.72 1.53 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.95 1.82 -2.28	29.74 2.20 -7.38	31.15 2.38 -7.10	29.60 2.21 -6.59	26.95 2.18 -3.78	28.31 2.23 -4.26	30.35 2.21 -6.05	29.68 2.15 -5.98	29.24 2.09 -7.07	29.24 2.09 -7.03	29.20 2.08 -7.29	28.61 2.18 -6.42	32.24 2.66 -5.38	32.97 2.96 -3.80	29.40 2.74 -2.58	28.12 2.52 -2.87	26.40 2.03 -4.69	20.26 1.96 -0.04	19.60 1.78 0.00
PORT_JEFF_IC 23713	19.26 1.76 -0.54	17.73 1.54 -0.77	17.29 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.96 1.84 -2.28	29.76 2.22 -7.38	31.18 2.41 -7.10	29.65 2.25 -6.59	26.99 2.22 -3.78	28.35 2.27 -4.26	30.40 2.25 -6.05	29.72 2.20 -5.98	29.28 2.13 -7.07	29.30 2.15 -7.03	29.24 2.12 -7.29	28.65 2.22 -6.42	32.26 2.69 -5.38	33.03 3.01 -3.80	29.45 2.79 -2.58	28.16 2.57 -2.87	26.42 2.05 -4.69	20.27 1.97 -0.04	19.62 1.80 0.00
PPL PILGRIM_ST_GT1 24216	19.27 1.78 -0.54	17.73 1.54 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.55 1.52 -0.53	20.95 1.82 -2.28	29.72 2.18 -7.38	31.15 2.38 -7.10	29.73 2.33 -6.59	27.10 2.33 -3.78	28.48 2.40 -4.26	30.57 2.43 -6.05	29.90 2.37 -5.98	29.44 2.29 -7.07	29.44 2.29 -7.03	29.38 2.26 -7.29	28.79 2.36 -6.42	32.38 2.81 -5.38	33.08 3.07 -3.80	29.47 2.82 -2.58	28.19 2.59 -2.87	26.50 2.13 -4.70	20.29 1.99 -0.04	19.67 1.85 0.00



PPL PILGRIM_ST_GT2 24217	19.27 1.78 -0.54	17.73 1.54 -0.77	17.28 1.42 -1.81	17.06 1.46 -0.58	17.55 1.52 -0.53	20.95 1.82 -2.28	29.72 2.18 -7.38	31.15 2.38 -7.10	29.73 2.33 -6.59	27.10 2.33 -3.78	28.48 2.40 -4.26	30.57 2.43 -6.05	29.90 2.37 -5.98	29.44 2.29 -7.07	29.44 2.29 -7.03	29.38 2.26 -7.29	28.79 2.36 -6.42	32.38 2.81 -5.38	33.08 3.07 -3.80	29.47 2.82 -2.58	28.19 2.59 -2.87	26.50 2.13 -4.70	20.29 1.99 -0.04	19.67 1.85 0.00
PPL_SHRM_GT3 24213	19.22 1.73 -0.54	17.72 1.53 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.99 1.87 -2.28	29.82 2.28 -7.38	31.22 2.45 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.11 2.03 -4.26	30.17 2.03 -6.05	29.49 1.96 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.28 1.91 -4.69	20.18 1.88 -0.04	19.55 1.73 0.00
PPL_SHRM_GT4 24214	19.22 1.73 -0.54	17.72 1.53 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.99 1.87 -2.28	29.82 2.28 -7.38	31.22 2.45 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.11 2.03 -4.26	30.17 2.03 -6.05	29.49 1.96 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.28 1.91 -4.69	20.18 1.88 -0.04	19.55 1.73 0.00
PROJECT___ORANGE 1 24174	16.88 -0.14 -0.06	15.38 -0.12 -0.08	14.14 -0.11 -0.20	14.96 -0.12 -0.06	15.45 -0.11 -0.06	16.73 -0.12 0.00	20.02 -0.14 0.00	21.56 -0.17 -0.06	20.82 -0.17 -0.17	20.85 -0.15 -0.01	21.67 -0.15 0.00	21.96 -0.15 -0.02	21.39 -0.15 0.00	19.90 -0.18 0.00	19.98 -0.18 -0.03	19.94 -0.18 -0.29	20.13 -0.20 -0.32	24.18 -0.22 -0.21	26.30 -0.24 -0.32	24.00 -0.24 -0.17	22.52 -0.20 0.00	19.62 -0.06 0.00	18.21 -0.05 0.00	17.84 0.02 0.00
PROJECT___ORANGE 2 24166	16.88 -0.14 -0.06	15.38 -0.12 -0.08	14.14 -0.11 -0.20	14.96 -0.12 -0.06	15.45 -0.11 -0.06	16.73 -0.12 0.00	20.02 -0.14 0.00	21.56 -0.17 -0.06	20.82 -0.17 -0.17	20.85 -0.15 -0.01	21.67 -0.15 0.00	21.96 -0.15 -0.02	21.39 -0.15 0.00	19.90 -0.18 0.00	19.98 -0.18 -0.03	19.94 -0.18 -0.29	20.13 -0.20 -0.32	24.18 -0.22 -0.21	26.30 -0.24 -0.32	24.00 -0.24 -0.17	22.52 -0.20 0.00	19.62 -0.06 0.00	18.21 -0.05 0.00	17.84 0.02 0.00
PUCKETT___SOLAR 323809	17.59 0.44 -0.19	16.07 0.39 -0.27	15.04 0.35 -0.64	15.60 0.38 -0.20	16.09 0.40 -0.19	17.44 0.59 0.00	20.93 0.77 0.00	22.47 0.61 -0.19	21.93 0.56 -0.55	21.69 0.67 -0.03	22.52 0.70 0.00	22.77 0.60 -0.07	22.21 0.67 0.00	20.79 0.70 0.00	20.80 0.56 -0.11	21.37 0.59 -0.95	21.68 0.64 -1.03	25.72 0.87 -0.66	28.21 0.97 -1.03	25.52 0.89 -0.55	23.75 1.02 0.00	20.57 0.89 0.00	19.01 0.75 0.00	18.67 0.86 0.00
PYRITES___HYD 24023	8.78 -0.42 7.76	7.94 -0.42 7.06	7.21 -0.41 6.43	7.71 -0.44 6.88	7.98 -0.43 7.09	8.57 -0.57 7.71	13.07 -0.52 6.57	11.48 -0.50 9.69	7.97 -0.50 12.34	6.10 -0.48 14.41	6.92 -0.48 14.42	13.77 -0.31 8.01	12.41 -0.30 8.83	7.75 -0.30 12.03	8.27 -0.28 11.57	5.46 -0.48 13.89	7.55 -0.52 11.94	14.67 -0.60 8.92	15.65 -0.66 9.91	14.69 -0.53 8.85	14.77 -0.50 7.45	14.79 -0.47 4.42	14.63 -0.38 3.25	11.05 -0.48 6.29
QUAKERRD_115KV_BK1 80622	16.22 -0.81 -0.07	14.80 -0.72 -0.11	13.65 -0.65 -0.25	14.41 -0.69 -0.08	14.84 -0.73 -0.07	15.94 -0.91 0.00	19.09 -1.07 0.00	20.62 -1.13 -0.07	19.86 -1.17 -0.21	19.68 -1.32 -0.01	20.47 -1.35 0.00	20.78 -1.35 -0.03	20.10 -1.44 0.00	18.80 -1.29 0.00	19.08 -1.09 -0.04	19.12 -1.07 -0.37	19.33 -1.08 -0.40	23.17 -1.28 -0.25	25.19 -1.42 -0.40	22.96 -1.32 -0.21	21.34 -1.39 0.00	18.60 -1.08 0.00	17.28 -0.99 0.00	17.07 -0.75 0.00
QUENSBRY_115KV_TB8 356137	18.66 1.02 -0.68	17.31 0.91 -0.99	17.17 0.81 -2.31	16.64 0.89 -0.74	17.11 0.93 -0.68	17.91 1.06 0.00	21.51 1.35 0.00	23.80 1.45 -0.67	24.11 1.31 -1.99	22.52 1.41 -0.12	23.28 1.46 0.00	23.88 1.52 -0.26	23.09 1.55 0.00	21.59 1.51 0.00	22.06 1.53 -0.40	24.61 1.37 -3.42	25.15 1.38 -3.76	28.33 1.74 -2.39	31.82 1.86 -3.75	27.60 1.52 -2.01	24.22 1.50 0.00	20.82 1.14 0.00	19.23 0.97 0.00	18.73 0.91 0.00
RAMAPO___LBMP 323565	18.61 1.14 -0.52	17.16 1.00 -0.75	16.72 0.93 -1.74	16.55 0.98 -0.56	17.02 1.01 -0.51	17.98 1.13 0.00	21.49 1.33 0.00	23.68 1.50 -0.51	23.83 1.52 -1.50	22.61 1.53 -0.09	23.39 1.57 0.00	23.91 1.61 -0.20	23.14 1.59 0.00	21.65 1.57 0.00	21.98 1.55 -0.30	23.93 1.53 -2.58	24.45 1.60 -2.84	27.89 1.89 -1.81	31.12 2.07 -2.83	27.49 1.90 -1.52	24.45 1.73 0.00	21.08 1.40 0.00	19.56 1.30 0.00	18.99 1.18 0.00
RANKINE___ 23646	15.84 -1.20 -0.09	14.51 -1.03 -0.13	13.46 -0.90 -0.31	14.16 -0.96 -0.10	14.51 -1.09 -0.09	15.92 -0.93 0.00	19.09 -1.07 0.00	19.83 -1.93 -0.09	19.04 -2.04 -0.26	19.18 -1.83 -0.02	19.94 -1.88 0.00	19.92 -2.21 -0.03	19.45 -2.09 0.00	18.38 -1.71 0.00	18.18 -1.99 -0.05	18.31 -1.96 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.59 -0.49	22.00 -2.33 -0.26	20.91 -1.82 0.00	18.32 -1.36 0.00	17.06 -1.21 0.00	17.07 -0.75 0.00
RAVENSWOOD_GT2_1 24244	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.89 2.24 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.21 1.39 0.00
RAVENSWOOD_GT2_2 24245	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.89 2.24 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.21 1.39 0.00
RAVENSWOOD_GT2_3 24246	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT2_4 24247	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.68 1.51 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.95 1.87 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00



RAVENSWOOD_GT3_1 24248	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT3_2 24249	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT3_3 24250	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.64 2.49 -2.94	27.94 2.29 -1.58	24.75 2.02 0.00	21.33 1.65 0.00	19.83 1.57 0.00	19.23 1.41 0.00
RAVENSWOOD_GT3_4 24251	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.91 1.83 -0.10	23.72 1.90 0.00	24.25 1.94 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.33 1.89 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.35 2.27 -1.88	31.64 2.49 -2.94	27.94 2.29 -1.58	24.75 2.02 0.00	21.33 1.65 0.00	19.83 1.57 0.00	19.23 1.41 0.00
RAVENSWOOD_GT_1 23729	18.94 1.44 -0.54	17.47 1.28 -0.77	17.04 1.18 -1.81	16.85 1.25 -0.58	17.30 1.27 -0.53	18.21 1.36 0.00	21.70 1.53 0.00	24.00 1.80 -0.53	24.20 1.83 -1.56	22.97 1.89 -0.10	23.80 1.99 0.00	25.58 2.01 -1.48	25.82 2.00 -2.27	27.18 1.95 -5.15	22.41 1.97 -0.32	24.39 1.88 -2.68	24.96 2.00 -2.95	28.37 2.30 -1.88	31.78 2.52 -3.06	27.96 2.31 -1.58	27.58 2.00 -2.86	22.73 1.67 -1.37	19.92 1.64 -0.02	19.33 1.51 0.00
RAVENSWOOD_GT_10 24258	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT_11 24259	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT_4 24252	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.67 1.85 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.19 1.37 0.00
RAVENSWOOD_GT_5 24254	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.67 1.85 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.19 1.37 0.00
RAVENSWOOD_GT_6 24253	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.67 1.85 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.19 1.37 0.00
RAVENSWOOD_GT_7 24255	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.91 1.71 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.67 1.85 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.19 1.37 0.00
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD_GT_9 24257	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.31 1.87 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.23 -1.88	31.59 2.44 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.82 1.55 0.00	19.21 1.39 0.00
RAVENSWOOD___1 23533	18.93 1.42 -0.54	17.46 1.26 -0.78	17.02 1.15 -1.82	16.84 1.23 -0.59	17.30 1.26 -0.54	18.18 1.33 0.00	21.68 1.51 0.00	23.98 1.78 -0.53	24.18 1.81 -1.56	22.95 1.87 -0.10	23.78 1.96 0.00	24.93 1.99 -0.85	24.67 1.98 -1.14	24.59 1.91 -2.59	22.39 1.95 -0.32	24.37 1.86 -2.68	24.94 1.98 -2.95	28.35 2.27 -1.88	31.70 2.49 -3.00	27.94 2.29 -1.58	26.18 2.02 -1.44	22.02 1.65 -0.69	19.88 1.61 -0.01	19.31 1.48 -0.01
RAVENSWOOD___2 23534	18.91 1.41 -0.54	17.45 1.25 -0.78	17.02 1.15 -1.82	16.82 1.22 -0.59	17.28 1.24 -0.54	18.18 1.33 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.76 1.94 0.00	24.89 1.97 -0.83	24.62 1.96 -1.11	24.52 1.91 -2.52	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.35 2.27 -1.88	31.70 2.49 -3.00	27.94 2.29 -1.58	26.12 2.00 -1.40	22.01 1.65 -0.67	19.88 1.61 -0.01	19.29 1.46 -0.01



RAVENSWOOD___3 23535	18.82 1.32 -0.54	17.36 1.17 -0.77	16.94 1.08 -1.81	16.74 1.14 -0.58	17.20 1.16 -0.53	18.13 1.28 0.00	21.66 1.49 0.00	23.94 1.73 -0.53	24.14 1.77 -1.56	22.87 1.78 -0.10	23.69 1.88 0.00	24.20 1.90 -0.21	23.44 1.90 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.30 2.22 -1.88	31.59 2.44 -2.94	27.89 2.24 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.80 1.53 0.00	19.17 1.35 0.00
RAVENSWOOD___4 23820	18.89 1.39 -0.54	17.43 1.23 -0.78	17.01 1.14 -1.82	16.81 1.20 -0.59	17.27 1.22 -0.54	18.16 1.32 0.00	21.66 1.49 0.00	23.96 1.75 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.37 1.93 -0.32	24.35 1.84 -2.68	24.92 1.96 -2.95	28.32 2.25 -1.88	31.62 2.46 -2.94	27.91 2.26 -1.58	24.72 2.00 0.00	21.31 1.63 0.00	19.85 1.59 0.00	19.27 1.44 -0.01
RCPL_TRUST___DRP 24196	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.98 1.78 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.50 1.96 0.00	21.99 1.91 0.00	22.35 1.91 -0.32	24.37 1.86 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.64 2.49 -2.94	27.96 2.31 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
RED___ROCHESTER 323720	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.37 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.66 0.00	21.03 -0.71 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.45 -1.10 0.00	19.16 -0.92 0.00	19.42 -0.74 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.66 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.50 -0.32 0.00
REGAN___SOLAR 323812	19.30 1.59 -0.75	17.90 1.40 -1.09	17.85 1.27 -2.54	17.18 1.35 -0.81	17.72 1.47 -0.75	18.59 1.74 0.00	22.42 2.26 0.00	24.74 2.32 -0.74	25.08 2.08 -2.18	23.24 2.12 -0.14	23.96 2.14 0.00	24.55 2.17 -0.29	23.68 2.13 0.00	22.09 2.01 0.00	22.62 2.05 -0.44	25.68 2.10 -3.76	26.38 2.24 -4.13	29.75 2.93 -2.63	33.45 3.12 -4.12	28.81 2.53 -2.21	25.20 2.48 0.00	21.65 1.97 0.00	19.96 1.70 0.00	19.46 1.64 0.00
RENSSELAER___COGEN 23796	18.43 0.81 -0.66	17.11 0.74 -0.95	16.95 0.67 -2.22	16.45 0.72 -0.71	16.90 0.74 -0.65	17.57 0.72 0.00	20.95 0.79 0.00	23.10 0.78 -0.65	23.50 0.77 -1.91	21.92 0.82 -0.12	22.65 0.83 0.00	23.14 0.79 -0.25	22.36 0.82 0.00	20.89 0.80 0.00	21.28 0.76 -0.39	23.87 0.75 -3.29	24.41 0.78 -3.62	27.47 0.97 -2.31	30.85 1.02 -3.61	26.95 0.94 -1.94	23.63 0.91 0.00	20.43 0.75 0.00	18.94 0.68 0.00	18.43 0.61 0.00
REPUBLIC_115KV_BARTNBRK 55605	19.10 1.46 -0.68	17.71 1.31 -0.99	17.52 1.17 -2.31	17.02 1.26 -0.74	17.51 1.33 -0.68	18.38 1.53 0.00	22.14 1.98 0.00	24.49 2.15 -0.67	25.03 2.23 -1.99	23.50 2.39 -0.12	24.33 2.51 0.00	24.88 2.52 -0.26	23.74 2.20 0.00	22.21 2.13 0.00	22.72 2.19 -0.40	25.26 2.02 -3.41	25.79 2.02 -3.76	29.15 2.56 -2.39	32.66 2.70 -3.75	28.25 2.17 -2.01	24.88 2.16 0.00	21.33 1.65 0.00	19.67 1.41 0.00	19.14 1.32 0.00
REVERE_CPPR_DRP 24186	17.32 0.61 0.25	15.74 0.54 0.22	14.38 0.48 0.15	15.30 0.50 0.22	15.83 0.56 0.23	17.25 0.67 0.28	20.84 0.91 0.23	22.31 0.95 0.32	21.42 0.98 0.37	21.49 1.01 0.51	22.36 1.07 0.53	22.83 1.08 0.35	22.26 1.10 0.38	20.66 1.00 0.43	20.70 0.99 0.41	20.43 0.97 0.37	20.69 0.94 0.26	25.14 1.23 0.29	27.33 1.39 0.27	25.02 1.25 0.30	23.60 1.23 0.35	20.46 1.02 0.24	18.92 0.86 0.20	18.42 0.89 0.29
REYNOLDS_115KV_TB3 80639	18.48 0.86 -0.66	17.17 0.80 -0.95	17.01 0.73 -2.23	16.51 0.78 -0.71	16.96 0.81 -0.65	17.67 0.83 0.00	21.07 0.91 0.00	23.26 0.93 -0.65	23.65 0.92 -1.92	22.05 0.94 -0.12	22.78 0.96 0.00	23.30 0.95 -0.25	22.49 0.95 0.00	21.01 0.92 0.00	21.42 0.91 -0.39	24.02 0.89 -3.30	24.52 0.88 -3.63	27.60 1.09 -2.31	31.01 1.18 -3.62	27.09 1.08 -1.94	23.77 1.05 0.00	20.53 0.85 0.00	19.03 0.77 0.00	18.51 0.69 0.00
RIVERBAY____ 323610	19.09 1.59 -0.54	17.61 1.42 -0.77	17.18 1.32 -1.81	17.01 1.41 -0.58	17.46 1.43 -0.53	18.35 1.50 0.00	21.76 1.59 0.00	24.07 1.86 -0.53	24.27 1.89 -1.56	23.02 1.93 -0.10	23.87 2.05 0.00	24.35 2.05 -0.20	23.58 2.05 0.01	22.07 1.99 0.01	22.47 2.03 -0.32	24.45 1.94 -2.68	25.02 2.06 -2.95	28.47 2.40 -1.88	31.77 2.62 -2.93	28.06 2.41 -1.58	24.78 2.07 0.01	21.42 1.73 -0.01	19.97 1.70 -0.01	19.44 1.62 0.00
RIVERSDE_115KV_TB3 55908	18.47 0.85 -0.66	17.16 0.79 -0.95	17.00 0.72 -2.23	16.50 0.77 -0.71	16.95 0.79 -0.66	17.64 0.79 0.00	21.03 0.87 0.00	23.21 0.89 -0.65	23.61 0.87 -1.92	22.03 0.92 -0.12	22.76 0.94 0.00	23.28 0.93 -0.25	22.47 0.93 0.00	20.99 0.90 0.00	21.38 0.87 -0.39	23.98 0.85 -3.31	24.50 0.86 -3.63	27.58 1.06 -2.32	30.96 1.13 -3.63	27.05 1.04 -1.94	23.72 1.00 0.00	20.49 0.81 0.00	18.99 0.73 0.00	18.48 0.66 0.00
ROARING___BROOK_WT_PWR 323790	0.00 -0.70 16.26	0.00 -0.62 14.80	0.00 -0.56 13.49	0.00 -0.60 14.42	0.00 -0.64 14.86	0.00 -0.69 16.16	5.52 -0.87 13.77	0.46 -0.89 20.32	-5.83 -0.77 25.87	-10.00 -0.78 30.21	-10.00 -0.78 31.03	0.00 -0.82 21.28	-1.87 -0.80 22.62	-5.89 -0.74 25.23	-5.33 -0.72 24.73	-10.00 -0.69 29.13	-5.74 -0.72 25.03	0.00 -0.82 23.37	-0.24 -0.84 25.61	0.00 -0.84 23.23	1.54 -0.80 20.39	4.74 -0.71 14.23	5.77 -0.68 11.82	0.00 -0.66 17.16
ROCHESRG_115KV_T4 355643	16.44 -0.59 -0.07	15.01 -0.51 -0.11	13.85 -0.45 -0.25	14.63 -0.47 -0.08	15.06 -0.51 -0.07	16.14 -0.71 0.00	19.34 -0.83 0.00	20.86 -0.89 -0.07	20.03 -1.00 -0.22	19.83 -1.18 -0.01	20.62 -1.20 0.00	20.93 -1.19 -0.03	20.23 -1.31 0.00	18.94 -1.14 0.00	19.24 -0.93 -0.04	19.28 -0.91 -0.37	19.51 -0.90 -0.40	23.36 -1.09 -0.26	25.41 -1.21 -0.40	23.18 -1.11 -0.22	21.54 -1.18 0.00	18.79 -0.89 0.00	17.46 -0.80 0.00	17.28 -0.53 0.00
ROCHESTER_9_IC 23652	16.51 -0.53 -0.07	15.08 -0.45 -0.11	13.91 -0.39 -0.25	14.69 -0.41 -0.08	15.13 -0.45 -0.07	16.21 -0.64 0.00	19.44 -0.73 0.00	20.97 -0.78 -0.07	20.13 -0.89 -0.22	19.93 -1.07 -0.01	20.75 -1.07 0.00	21.04 -1.08 -0.03	20.36 -1.18 0.00	19.06 -1.02 0.00	19.36 -0.80 -0.04	19.42 -0.77 -0.37	19.63 -0.78 -0.41	23.53 -0.92 -0.26	25.59 -1.02 -0.40	23.33 -0.96 -0.22	21.68 -1.05 0.00	18.89 -0.79 0.00	17.57 -0.69 0.00	17.39 -0.43 0.00
ROCKVIEW_13_KV_LD 356306	18.80 1.31 -0.54	17.35 1.16 -0.77	16.93 1.07 -1.81	16.73 1.13 -0.58	17.18 1.15 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.89 1.80 -0.10	23.69 1.88 0.00	24.22 1.92 -0.21	23.46 1.92 0.00	21.93 1.85 0.00	22.29 1.85 -0.32	24.31 1.80 -2.68	24.86 1.90 -2.95	28.32 2.25 -1.88	31.62 2.46 -2.94	27.91 2.26 -1.58	24.75 2.02 0.00	21.31 1.63 0.00	19.78 1.52 0.00	19.19 1.37 0.00



ROME____115KV_TB2 80656	17.32 0.61 0.25	15.74 0.54 0.22	14.38 0.48 0.15	15.30 0.50 0.22	15.83 0.56 0.23	17.25 0.67 0.28	20.84 0.91 0.23	22.31 0.95 0.32	21.42 0.98 0.37	21.49 1.01 0.51	22.36 1.07 0.53	22.83 1.08 0.35	22.26 1.10 0.38	20.66 1.00 0.43	20.70 0.99 0.41	20.43 0.97 0.37	20.69 0.94 0.26	25.14 1.23 0.29	27.33 1.39 0.27	25.02 1.25 0.30	23.60 1.23 0.35	20.46 1.02 0.24	18.92 0.86 0.20	18.42 0.89 0.29
ROSETON____1 23587	18.57 1.07 -0.54	17.15 0.96 -0.78	16.75 0.87 -1.83	16.54 0.93 -0.58	16.98 0.95 -0.54	17.91 1.06 0.00	21.41 1.25 0.00	23.60 1.39 -0.53	23.78 1.39 -1.57	22.49 1.41 -0.10	23.28 1.46 0.00	23.78 1.48 -0.21	23.01 1.47 0.00	21.51 1.43 0.00	21.87 1.43 -0.32	23.94 1.41 -2.70	24.44 1.46 -2.97	27.81 1.72 -1.89	31.06 1.89 -2.97	27.40 1.73 -1.59	24.31 1.59 0.00	20.96 1.28 0.00	19.43 1.17 0.00	18.89 1.07 0.00
ROSETON____2 23588	18.57 1.07 -0.54	17.15 0.96 -0.78	16.75 0.87 -1.83	16.54 0.93 -0.58	16.98 0.95 -0.54	17.91 1.06 0.00	21.41 1.25 0.00	23.60 1.39 -0.53	23.78 1.39 -1.57	22.49 1.41 -0.10	23.28 1.46 0.00	23.78 1.48 -0.21	23.01 1.47 0.00	21.51 1.43 0.00	21.87 1.43 -0.32	23.94 1.41 -2.70	24.44 1.46 -2.97	27.81 1.72 -1.89	31.06 1.89 -2.97	27.40 1.73 -1.59	24.31 1.59 0.00	20.96 1.28 0.00	19.43 1.17 0.00	18.89 1.07 0.00
ROTTTRDAM_115KV_TB3 80664	18.33 0.68 -0.69	17.03 0.62 -1.00	16.95 0.56 -2.33	16.37 0.60 -0.75	16.82 0.64 -0.69	17.56 0.71 0.00	21.01 0.85 0.00	23.27 0.91 -0.68	23.70 0.87 -2.01	22.02 0.90 -0.13	22.76 0.94 0.00	23.29 0.93 -0.27	22.45 0.90 0.00	20.97 0.88 0.00	21.42 0.89 -0.41	24.15 0.87 -3.46	24.67 0.86 -3.80	27.68 1.06 -2.42	31.16 1.15 -3.79	27.14 1.04 -2.03	23.70 0.98 0.00	20.45 0.77 0.00	18.96 0.69 0.00	18.48 0.66 0.00
RUSSELL____1 23602	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
RUSSELL____2 23532	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
RUSSELL____3 23549	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
RUSSELL____4 23556	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
RUSSELL____STATION 23914	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
S SALMON____HYD 24043	15.96 -0.34 0.66	14.53 -0.31 0.57	13.33 -0.30 0.42	14.13 -0.32 0.57	14.59 -0.31 0.60	15.81 -0.34 0.70	19.22 -0.34 0.60	20.47 -0.37 0.83	19.48 -0.35 0.98	19.31 -0.38 1.30	20.10 -0.37 1.34	20.79 -0.40 0.90	20.18 -0.39 0.98	18.59 -0.40 1.09	18.70 -0.38 1.04	18.44 -0.36 1.03	18.83 -0.36 0.82	23.01 -0.34 0.85	25.02 -0.34 0.85	22.87 -0.34 0.87	21.55 -0.30 0.88	18.87 -0.20 0.62	17.53 -0.22 0.51	16.91 -0.16 0.74
S.PERRY__115KV_TB1 80734	17.07 0.00 -0.11	15.56 -0.02 -0.16	14.41 -0.01 -0.38	15.12 -0.02 -0.12	15.60 -0.02 -0.11	16.88 0.03 0.00	20.24 0.08 0.00	21.72 -0.07 -0.11	20.95 -0.19 -0.32	20.82 -0.19 -0.02	21.60 -0.22 0.00	21.85 -0.29 -0.04	21.28 -0.26 0.00	20.02 -0.06 0.00	20.19 0.00 -0.07	20.40 0.02 -0.56	20.72 0.10 -0.61	24.82 0.24 -0.39	27.05 0.24 -0.60	24.56 0.17 -0.32	22.97 0.25 0.00	19.95 0.28 0.00	18.45 0.18 0.00	18.21 0.39 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	15.86 -1.19 -0.09	14.52 -1.02 -0.13	13.46 -0.89 -0.30	14.17 -0.95 -0.09	14.53 -1.05 -0.09	15.77 -1.08 0.00	18.91 -1.25 0.00	19.87 -1.89 -0.09	19.03 -2.04 -0.25	18.99 -2.01 -0.02	19.75 -2.07 0.00	19.83 -2.30 -0.03	19.26 -2.28 0.00	18.18 -1.91 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.44	18.50 -1.98 -0.48	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.70 -2.02 0.00	18.14 -1.53 0.00	16.89 -1.37 0.00	16.91 -0.91 0.00
SAWYER____23_KV_LOAD 55526	15.86 -1.19 -0.09	14.52 -1.02 -0.13	13.46 -0.89 -0.30	14.17 -0.95 -0.09	14.53 -1.05 -0.09	15.77 -1.08 0.00	18.91 -1.25 0.00	19.87 -1.89 -0.09	19.03 -2.04 -0.25	18.99 -2.01 -0.02	19.75 -2.07 0.00	19.83 -2.30 -0.03	19.26 -2.28 0.00	18.18 -1.91 0.00	18.20 -1.97 -0.05	18.32 -1.94 -0.44	18.50 -1.98 -0.48	22.10 -2.40 -0.30	24.09 -2.59 -0.47	21.99 -2.33 -0.25	20.70 -2.02 0.00	18.14 -1.53 0.00	16.89 -1.37 0.00	16.91 -0.91 0.00
SELKIRK____I 23801	18.40 0.80 -0.65	17.09 0.74 -0.94	16.92 0.67 -2.19	16.44 0.72 -0.70	16.89 0.74 -0.64	17.61 0.76 0.00	21.03 0.87 0.00	23.16 0.84 -0.64	23.51 0.81 -1.89	21.97 0.86 -0.12	22.69 0.87 0.00	23.23 0.88 -0.25	22.41 0.86 0.00	20.93 0.84 0.00	21.33 0.83 -0.38	23.88 0.81 -3.25	24.40 0.82 -3.57	27.48 1.02 -2.27	30.87 1.10 -3.56	26.97 0.99 -1.91	23.68 0.95 0.00	20.47 0.79 0.00	18.98 0.71 0.00	18.50 0.68 0.00
SELKIRK____II 23799	18.36 0.75 -0.65	17.04 0.68 -0.95	16.88 0.62 -2.22	16.39 0.66 -0.71	16.83 0.68 -0.65	17.56 0.71 0.00	20.95 0.79 0.00	23.12 0.80 -0.65	23.49 0.77 -1.91	21.92 0.82 -0.12	22.65 0.83 0.00	23.17 0.82 -0.25	22.36 0.82 0.00	20.89 0.80 0.00	21.27 0.76 -0.39	23.86 0.75 -3.28	24.40 0.78 -3.61	27.46 0.97 -2.30	30.86 1.05 -3.60	26.94 0.94 -1.93	23.63 0.91 0.00	20.43 0.75 0.00	18.94 0.68 0.00	18.44 0.62 0.00



SENECA OSWGO___HYD 24041	16.72 -0.29 -0.05	15.23 -0.26 -0.08	13.99 -0.24 -0.18	14.82 -0.26 -0.06	15.31 -0.25 -0.05	16.56 -0.29 0.00	19.82 -0.34 0.00	21.36 -0.37 -0.05	20.61 -0.35 -0.16	20.64 -0.36 -0.01	21.47 -0.35 0.00	21.74 -0.38 -0.02	21.18 -0.37 0.00	19.68 -0.40 0.00	19.77 -0.38 -0.03	19.74 -0.36 -0.27	19.92 -0.38 -0.29	23.95 -0.43 -0.19	26.03 -0.47 -0.29	23.77 -0.46 -0.16	22.32 -0.41 0.00	19.44 -0.24 0.00	18.05 -0.22 0.00	17.68 -0.14 0.00
SENECA___115KV_TB3 355854	15.86 -1.19 -0.09	14.53 -1.02 -0.13	13.47 -0.89 -0.31	14.17 -0.95 -0.10	14.52 -1.07 -0.09	15.94 -0.91 0.00	19.12 -1.05 0.00	19.88 -1.89 -0.09	19.06 -2.02 -0.26	19.22 -1.78 -0.02	19.99 -1.83 0.00	19.96 -2.17 -0.03	19.50 -2.05 0.00	18.42 -1.67 0.00	18.23 -1.95 -0.05	18.35 -1.92 -0.45	18.54 -1.96 -0.49	22.14 -2.37 -0.31	24.13 -2.57 -0.49	22.02 -2.31 -0.26	20.95 -1.77 0.00	18.36 -1.32 0.00	17.10 -1.17 0.00	17.11 -0.71 0.00
SENECA___ENERGY 23797	16.89 -0.15 -0.08	15.38 -0.15 -0.12	14.20 -0.13 -0.27	14.97 -0.14 -0.09	15.46 -0.12 -0.08	16.77 -0.08 0.00	20.10 -0.06 0.00	21.60 -0.15 -0.08	20.88 -0.17 -0.24	20.83 -0.17 -0.01	21.67 -0.15 0.00	21.91 -0.22 -0.03	21.33 -0.22 0.00	19.90 -0.18 0.00	19.97 -0.20 -0.05	20.05 -0.18 -0.41	20.27 -0.18 -0.44	24.33 -0.14 -0.28	26.49 -0.16 -0.44	24.14 -0.17 -0.24	22.63 -0.09 0.00	19.66 -0.02 0.00	18.23 -0.04 0.00	17.91 0.09 0.00
SHOEMAKER___GT 23640	18.37 0.92 -0.49	16.94 0.82 -0.71	16.47 0.76 -1.66	16.36 0.81 -0.53	16.81 0.82 -0.49	17.78 0.93 0.00	21.27 1.11 0.00	23.35 1.19 -0.49	23.43 1.19 -1.43	22.27 1.20 -0.09	23.04 1.22 0.00	23.54 1.26 -0.19	22.77 1.23 0.00	21.29 1.21 0.00	21.62 1.21 -0.29	23.48 1.19 -2.46	23.98 1.26 -2.71	27.42 1.50 -1.72	30.56 1.65 -2.70	27.01 1.49 -1.45	24.11 1.39 0.00	20.78 1.10 0.00	19.27 1.00 0.00	18.73 0.91 0.00
SHOEMAKR_138KV_BK 111 55601	18.36 0.92 -0.49	16.94 0.82 -0.71	16.46 0.76 -1.65	16.36 0.81 -0.53	16.81 0.82 -0.49	17.79 0.94 0.00	21.27 1.11 0.00	23.35 1.19 -0.48	23.42 1.19 -1.42	22.29 1.22 -0.09	23.06 1.24 0.00	23.57 1.28 -0.19	22.79 1.25 0.00	21.31 1.23 0.00	21.64 1.23 -0.29	23.48 1.21 -2.45	23.98 1.28 -2.69	27.43 1.52 -1.71	30.55 1.65 -2.68	27.03 1.52 -1.44	24.11 1.39 0.00	20.80 1.12 0.00	19.29 1.02 0.00	18.75 0.93 0.00
SHOREHAM_IC_1 23715	19.22 1.73 -0.54	17.72 1.53 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.99 1.87 -2.28	29.82 2.28 -7.38	31.22 2.45 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.11 2.03 -4.26	30.17 2.03 -6.05	29.49 1.96 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.28 1.91 -4.69	20.18 1.88 -0.04	19.55 1.73 0.00
SHOREHAM_IC_2 23716	19.22 1.73 -0.54	17.72 1.53 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.55 1.52 -0.53	20.99 1.87 -2.28	29.82 2.28 -7.38	31.22 2.45 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.11 2.03 -4.26	30.17 2.03 -6.05	29.49 1.96 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.02 1.90 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.05 2.45 -2.87	26.28 1.91 -4.69	20.18 1.88 -0.04	19.55 1.73 0.00
SISSONVILLE___ 23735	8.69 -0.73 7.54	7.87 -0.68 6.86	7.15 -0.65 6.26	7.66 -0.68 6.69	7.92 -0.68 6.89	8.44 -0.91 7.49	12.77 -1.01 6.39	11.25 -1.00 9.43	7.79 -1.02 12.00	5.95 -1.03 14.01	6.85 -1.00 13.97	13.84 -0.77 7.48	12.47 -0.78 8.30	7.64 -0.74 11.70	8.18 -0.72 11.22	5.38 -0.93 13.51	7.47 -0.98 11.56	14.70 -1.19 8.31	15.63 -1.34 9.24	14.66 -1.16 8.25	14.70 -1.11 6.91	14.79 -0.94 3.94	14.71 -0.75 2.81	11.16 -0.82 5.84
SITHE_IND_GS1 24169	16.55 -0.46 -0.04	15.08 -0.40 -0.06	13.84 -0.37 -0.15	14.68 -0.39 -0.05	15.14 -0.40 -0.04	16.40 -0.45 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.40 -0.68 0.00	19.49 -0.66 -0.03	19.41 -0.64 -0.22	19.59 -0.66 -0.24	23.57 -0.78 -0.15	25.59 -0.86 -0.24	23.41 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.83 -0.44 0.00	17.46 -0.36 0.00
SITHE_IND_GS2 24170	16.55 -0.46 -0.04	15.08 -0.40 -0.06	13.84 -0.37 -0.15	14.68 -0.39 -0.05	15.14 -0.40 -0.04	16.40 -0.45 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.40 -0.68 0.00	19.49 -0.66 -0.03	19.41 -0.64 -0.22	19.59 -0.66 -0.24	23.57 -0.78 -0.15	25.59 -0.86 -0.24	23.41 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.83 -0.44 0.00	17.46 -0.36 0.00
SITHE_IND_GS3 24171	16.55 -0.46 -0.04	15.08 -0.40 -0.06	13.84 -0.37 -0.15	14.68 -0.39 -0.05	15.14 -0.40 -0.04	16.40 -0.45 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.40 -0.68 0.00	19.49 -0.66 -0.03	19.41 -0.64 -0.22	19.59 -0.66 -0.24	23.57 -0.78 -0.15	25.59 -0.86 -0.24	23.41 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.83 -0.44 0.00	17.46 -0.36 0.00
SITHE_IND_GS4 24172	16.55 -0.46 -0.04	15.08 -0.40 -0.06	13.84 -0.37 -0.15	14.68 -0.39 -0.05	15.14 -0.40 -0.04	16.40 -0.45 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.18 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.40 -0.68 0.00	19.49 -0.66 -0.03	19.41 -0.64 -0.22	19.59 -0.66 -0.24	23.57 -0.78 -0.15	25.59 -0.86 -0.24	23.41 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.83 -0.44 0.00	17.46 -0.36 0.00
SITHE___BATAVIA 24024	16.28 -0.76 -0.08	14.89 -0.65 -0.12	13.76 -0.56 -0.27	14.51 -0.60 -0.09	14.92 -0.67 -0.08	16.13 -0.72 0.00	19.32 -0.85 0.00	20.56 -1.19 -0.08	19.72 -1.33 -0.24	19.62 -1.39 -0.01	20.40 -1.42 0.00	20.56 -1.57 -0.03	19.91 -1.64 0.00	18.76 -1.33 0.00	18.88 -1.29 -0.05	19.04 -1.19 -0.41	19.27 -1.18 -0.44	23.07 -1.40 -0.28	25.11 -1.55 -0.44	22.89 -1.42 -0.24	21.41 -1.32 0.00	18.70 -0.98 0.00	17.39 -0.88 0.00	17.39 -0.43 0.00
SITHE___INDEPEND 23800	16.54 -0.46 -0.04	15.08 -0.40 -0.06	13.84 -0.37 -0.15	14.68 -0.39 -0.05	15.14 -0.40 -0.04	16.39 -0.45 0.00	19.60 -0.56 0.00	21.11 -0.61 -0.04	20.34 -0.60 -0.13	20.39 -0.61 -0.01	21.19 -0.63 0.00	21.47 -0.64 -0.02	20.90 -0.65 0.00	19.40 -0.68 0.00	19.49 -0.66 -0.03	19.41 -0.63 -0.22	19.59 -0.66 -0.24	23.57 -0.77 -0.15	25.59 -0.86 -0.24	23.41 -0.79 -0.13	22.00 -0.73 0.00	19.17 -0.51 0.00	17.83 -0.44 0.00	17.44 -0.37 0.00
SITHE___MASSENA 23902	7.32 -0.49 9.15	6.64 -0.45 8.32	6.04 -0.42 7.59	6.46 -0.45 8.11	6.69 -0.45 8.36	7.22 -0.54 9.09	11.85 -0.56 7.75	9.68 -0.56 11.43	5.67 -0.58 14.56	3.40 -0.59 17.00	3.83 -0.61 17.38	10.01 -0.55 11.53	8.66 -0.56 12.32	5.37 -0.52 14.19	5.75 -0.50 13.87	2.88 -0.55 16.39	5.37 -0.56 14.08	10.81 -0.70 12.69	11.44 -0.84 13.93	10.79 -0.67 12.61	11.07 -0.66 11.00	11.57 -0.59 7.52	11.58 -0.53 6.15	7.97 -0.59 9.26



SITHE___OGDNSBRG 24021	8.35 -0.44 8.17	7.55 -0.43 7.43	6.87 -0.41 6.77	7.34 -0.44 7.24	7.63 -0.40 7.46	8.21 -0.52 8.11	12.78 -0.46 6.92	11.01 -0.46 10.21	7.36 -0.46 12.99	5.35 -0.46 15.17	6.09 -0.44 15.29	12.69 -0.35 9.05	11.34 -0.34 9.86	7.09 -0.32 12.67	7.58 -0.30 12.25	4.76 -0.44 14.63	7.00 -0.44 12.57	13.66 -0.51 10.03	14.54 -0.58 11.09	13.68 -0.43 9.96	13.80 -0.43 8.50	13.93 -0.41 5.33	13.81 -0.35 4.11	10.22 -0.43 7.17
SITHE___STERLING 23777	17.50 0.51 -0.03	15.92 0.46 -0.04	14.56 0.41 -0.10	15.49 0.44 -0.03	16.01 0.48 -0.03	17.42 0.57 0.00	20.95 0.79 0.00	22.50 0.80 -0.03	21.71 0.81 -0.08	21.83 0.84 -0.01	22.71 0.89 0.00	23.01 0.91 -0.01	22.45 0.90 0.00	20.91 0.82 0.00	20.97 0.83 -0.02	20.78 0.81 -0.14	20.97 0.76 -0.20	25.29 0.97 -0.13	27.51 1.10 -0.20	25.17 0.99 -0.11	23.70 0.98 0.00	20.51 0.83 0.00	18.98 0.71 0.00	18.57 0.75 0.00
SLEIGHT__34_KV_TB1 80719	16.61 -0.42 -0.07	15.15 -0.37 -0.11	13.96 -0.34 -0.25	14.75 -0.35 -0.08	15.22 -0.36 -0.07	16.38 -0.47 0.00	19.64 -0.52 0.00	21.20 -0.54 -0.07	20.45 -0.58 -0.22	20.31 -0.69 -0.01	21.14 -0.68 0.00	21.44 -0.68 -0.03	20.79 -0.75 0.00	19.42 -0.66 0.00	19.64 -0.52 -0.04	19.68 -0.52 -0.37	19.89 -0.52 -0.40	23.87 -0.58 -0.26	25.96 -0.66 -0.40	23.66 -0.63 -0.22	22.04 -0.68 0.00	19.19 -0.49 0.00	17.81 -0.46 0.00	17.55 -0.27 0.00
SOUTH CAIRO___GT 23612	18.68 1.10 -0.62	17.31 0.99 -0.90	17.05 0.89 -2.11	16.67 0.98 -0.68	17.14 1.02 -0.62	18.08 1.23 0.00	21.66 1.49 0.00	23.33 1.04 -0.62	23.53 0.89 -1.82	22.17 1.07 -0.11	22.80 0.98 0.00	23.35 1.02 -0.24	22.53 0.99 0.00	21.05 0.96 0.00	21.30 0.81 -0.37	23.80 0.85 -3.13	24.45 1.00 -3.44	27.74 1.35 -2.19	31.16 1.52 -3.43	27.11 1.20 -1.84	24.09 1.36 0.00	20.76 1.08 0.00	19.20 0.93 0.00	18.69 0.87 0.00
SOUTH HAMPTN___IC 23720	19.34 1.85 -0.54	17.81 1.62 -0.77	17.37 1.50 -1.81	17.15 1.55 -0.58	17.65 1.61 -0.53	21.10 1.97 -2.28	29.92 2.38 -7.38	31.35 2.58 -7.10	29.71 2.31 -6.59	26.99 2.22 -3.78	28.37 2.29 -4.26	30.44 2.30 -6.05	29.77 2.24 -5.98	29.30 2.15 -7.07	29.30 2.15 -7.03	29.26 2.14 -7.29	28.69 2.26 -6.42	32.36 2.78 -5.38	33.13 3.12 -3.80	29.52 2.86 -2.58	28.25 2.66 -2.87	26.44 2.07 -4.69	20.33 2.03 -0.04	19.69 1.87 0.00
SOUTHDOW__115KV_TB1 355954	15.92 -1.14 -0.10	14.49 -1.06 -0.14	13.44 -0.94 -0.33	14.18 -0.95 -0.11	14.48 -1.12 -0.10	16.21 -0.64 0.00	19.54 -0.63 0.00	19.86 -1.91 -0.10	19.12 -1.98 -0.29	19.66 -1.34 -0.02	20.42 -1.40 0.00	20.21 -1.92 -0.04	19.93 -1.62 0.00	18.94 -1.14 0.00	18.31 -1.87 -0.06	18.42 -1.90 -0.49	18.59 -1.96 -0.54	22.17 -2.37 -0.34	24.20 -2.54 -0.54	22.07 -2.29 -0.29	21.38 -1.34 0.00	18.68 -1.00 0.00	17.33 -0.93 0.00	17.44 -0.37 0.00
SOUTHOLD_69_KV_BK 2 55809	19.43 1.93 -0.54	17.89 1.70 -0.77	17.44 1.57 -1.81	17.22 1.62 -0.58	17.71 1.67 -0.53	21.18 2.06 -2.28	30.05 2.50 -7.38	31.50 2.73 -7.10	29.86 2.46 -6.59	27.14 2.37 -3.78	28.55 2.47 -4.26	30.64 2.50 -6.05	29.96 2.43 -5.98	29.46 2.31 -7.07	29.48 2.33 -7.03	29.42 2.30 -7.29	28.87 2.44 -6.42	32.55 2.98 -5.38	33.37 3.35 -3.80	29.74 3.08 -2.58	28.41 2.82 -2.87	26.58 2.20 -4.69	20.42 2.12 -0.04	19.78 1.96 0.00
SOUTHOLD___IC 23719	19.43 1.93 -0.54	17.89 1.70 -0.77	17.44 1.57 -1.81	17.22 1.62 -0.58	17.71 1.67 -0.53	21.18 2.05 -2.28	30.04 2.50 -7.38	31.50 2.73 -7.10	29.85 2.45 -6.59	27.14 2.37 -3.78	28.54 2.46 -4.26	30.64 2.50 -6.05	29.96 2.43 -5.98	29.46 2.31 -7.07	29.48 2.33 -7.03	29.41 2.30 -7.29	28.87 2.44 -6.42	32.60 3.02 -5.38	33.37 3.36 -3.80	29.74 3.08 -2.58	28.41 2.82 -2.87	26.57 2.20 -4.69	20.42 2.12 -0.04	19.80 1.98 0.00
SOUTH_FORK_WT_PWR 323839	19.34 1.85 -0.54	17.81 1.62 -0.77	17.37 1.50 -1.81	17.13 1.53 -0.58	17.63 1.60 -0.53	21.10 1.97 -2.28	29.92 2.38 -7.38	31.39 2.62 -7.10	29.73 2.33 -6.59	27.03 2.27 -3.78	28.44 2.36 -4.26	30.53 2.39 -6.05	29.83 2.31 -5.98	29.36 2.21 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.29	28.77 2.34 -6.42	32.46 2.88 -5.38	33.21 3.20 -3.80	29.59 2.94 -2.58	28.30 2.70 -2.87	26.48 2.11 -4.69	20.33 2.03 -0.04	19.69 1.87 0.00
SPIERFLS_115KV_TB 1 80737	18.57 0.93 -0.68	17.24 0.83 -0.99	17.12 0.76 -2.31	16.57 0.81 -0.74	17.03 0.85 -0.68	17.83 0.98 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.07 1.27 -1.99	22.45 1.34 -0.12	23.21 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.83 1.31 -0.40	24.51 1.27 -3.42	25.03 1.26 -3.76	28.19 1.60 -2.40	31.67 1.70 -3.75	27.48 1.40 -2.01	24.11 1.39 0.00	20.72 1.04 0.00	19.16 0.89 0.00	18.64 0.82 0.00
ST LAWRENCE____ 23600	6.88 -0.59 9.48	6.23 -0.55 8.63	5.68 -0.51 7.86	6.07 -0.54 8.41	6.29 -0.54 8.67	6.81 -0.62 9.42	11.41 -0.73 8.03	9.09 -0.74 11.85	5.00 -0.73 15.08	2.62 -0.75 17.61	2.94 -0.78 18.09	8.92 -0.77 12.40	7.60 -0.75 13.18	4.67 -0.70 14.71	5.00 -0.70 14.42	2.13 -0.71 16.98	4.70 -0.72 14.59	9.67 -0.89 13.63	10.29 -1.00 14.93	9.66 -0.87 13.54	10.00 -0.84 11.88	10.63 -0.75 8.30	10.68 -0.69 6.89	7.10 -0.71 10.00
STATE_CA_115KV_115_LB 55624	18.52 0.90 -0.66	17.20 0.83 -0.96	17.04 0.76 -2.23	16.54 0.81 -0.71	16.99 0.84 -0.66	17.66 0.81 0.00	21.05 0.89 0.00	23.24 0.91 -0.65	23.63 0.89 -1.92	22.09 0.99 -0.12	22.80 0.98 0.00	23.32 0.97 -0.25	22.51 0.97 0.00	21.03 0.94 0.00	21.44 0.93 -0.39	24.02 0.89 -3.31	24.55 0.90 -3.64	27.62 1.11 -2.32	31.02 1.18 -3.63	27.07 1.06 -1.94	23.75 1.02 0.00	20.53 0.85 0.00	19.01 0.75 0.00	18.48 0.66 0.00
STATE_ST_34_KV_LOAD 55959	17.04 0.00 -0.08	15.53 0.00 -0.12	14.32 0.00 -0.27	15.11 0.00 -0.09	15.60 0.02 -0.08	16.90 0.05 0.00	20.26 0.10 0.00	21.86 0.11 -0.08	21.13 0.08 -0.23	21.11 0.10 -0.01	21.93 0.11 0.00	22.21 0.09 -0.03	21.63 0.09 0.00	20.17 0.08 0.00	20.25 0.08 -0.05	20.29 0.06 -0.40	20.50 0.06 -0.43	24.62 0.15 -0.28	26.80 0.16 -0.43	24.42 0.12 -0.23	22.88 0.16 0.00	19.88 0.20 0.00	18.43 0.16 0.00	18.07 0.25 0.00
STATION 5_MISC_HYD 23604	16.51 -0.53 -0.07	15.08 -0.45 -0.11	13.91 -0.39 -0.25	14.70 -0.40 -0.08	15.12 -0.45 -0.07	16.21 -0.64 0.00	19.44 -0.73 0.00	20.97 -0.78 -0.07	20.14 -0.89 -0.22	19.93 -1.07 -0.01	20.75 -1.07 0.00	21.04 -1.08 -0.03	20.36 -1.18 0.00	19.06 -1.02 0.00	19.32 -0.84 -0.04	19.42 -0.77 -0.37	19.63 -0.78 -0.41	23.53 -0.92 -0.26	25.59 -1.02 -0.40	23.32 -0.96 -0.22	21.68 -1.04 0.00	18.89 -0.79 0.00	17.57 -0.69 0.00	17.41 -0.41 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	16.78 -0.25 -0.08	15.31 -0.22 -0.11	14.11 -0.20 -0.26	14.91 -0.20 -0.08	15.37 -0.20 -0.08	16.58 -0.27 0.00	19.86 -0.30 0.00	21.42 -0.33 -0.07	20.64 -0.40 -0.22	20.54 -0.46 -0.01	21.36 -0.46 0.00	21.66 -0.46 -0.03	21.00 -0.54 0.00	19.62 -0.46 0.00	19.87 -0.30 -0.04	19.91 -0.30 -0.38	20.12 -0.30 -0.41	24.14 -0.31 -0.26	26.26 -0.37 -0.41	23.93 -0.36 -0.22	22.34 -0.39 0.00	19.42 -0.26 0.00	18.01 -0.26 0.00	17.77 -0.05 0.00



STA_56___34_KV_BUS2_REV_LBMP_B 345033	16.44 -0.59 -0.07	15.01 -0.51 -0.11	13.85 -0.45 -0.25	14.63 -0.47 -0.08	15.06 -0.51 -0.07	16.16 -0.69 0.00	19.36 -0.81 0.00	20.90 -0.85 -0.07	20.11 -0.92 -0.22	19.91 -1.09 -0.01	20.73 -1.09 0.00	21.04 -1.08 -0.03	20.34 -1.21 0.00	19.02 -1.06 0.00	19.34 -0.83 -0.04	19.38 -0.81 -0.37	19.59 -0.82 -0.40	23.48 -0.97 -0.26	25.54 -1.07 -0.40	23.28 -1.01 -0.22	21.63 -1.09 0.00	18.85 -0.83 0.00	17.52 -0.75 0.00	17.32 -0.50 0.00
STA_56___34_KV_BUS2 355983	16.44 -0.59 -0.07	15.01 -0.51 -0.11	13.85 -0.45 -0.25	14.63 -0.47 -0.08	15.06 -0.51 -0.07	16.16 -0.69 0.00	19.36 -0.81 0.00	20.90 -0.85 -0.07	20.11 -0.92 -0.22	19.91 -1.09 -0.01	20.73 -1.09 0.00	21.04 -1.08 -0.03	20.34 -1.21 0.00	19.02 -1.06 0.00	19.34 -0.83 -0.04	19.38 -0.81 -0.37	19.59 -0.82 -0.40	23.48 -0.97 -0.26	25.54 -1.07 -0.40	23.28 -1.01 -0.22	21.63 -1.09 0.00	18.85 -0.83 0.00	17.52 -0.75 0.00	17.32 -0.50 0.00
STA_67___115KV_BK2 355882	16.47 -0.56 -0.07	15.05 -0.48 -0.11	13.90 -0.41 -0.25	14.66 -0.44 -0.08	15.09 -0.48 -0.07	16.19 -0.66 0.00	19.40 -0.77 0.00	20.92 -0.82 -0.07	20.11 -0.92 -0.22	19.89 -1.11 -0.01	20.71 -1.11 0.00	21.00 -1.13 -0.03	20.29 -1.25 0.00	19.00 -1.08 0.00	19.32 -0.85 -0.04	19.36 -0.83 -0.37	19.57 -0.84 -0.41	23.46 -0.99 -0.26	25.51 -1.10 -0.40	23.28 -1.01 -0.22	21.61 -1.11 0.00	18.85 -0.83 0.00	17.53 -0.73 0.00	17.36 -0.46 0.00
STA_7___115KV_9TRANS 80674	16.56 -0.47 -0.07	15.12 -0.40 -0.11	13.95 -0.35 -0.25	14.72 -0.38 -0.08	15.17 -0.40 -0.07	16.28 -0.57 0.00	19.50 -0.67 0.00	21.03 -0.72 -0.07	20.22 -0.81 -0.22	20.04 -0.97 -0.01	20.84 -0.98 0.00	21.15 -0.97 -0.03	20.44 -1.10 0.00	19.14 -0.94 0.00	19.46 -0.70 -0.04	19.50 -0.69 -0.37	19.73 -0.68 -0.41	23.65 -0.80 -0.26	25.72 -0.89 -0.40	23.45 -0.84 -0.22	21.79 -0.93 0.00	18.99 -0.69 0.00	17.64 -0.62 0.00	17.46 -0.36 0.00
STA_82___115KV_TB1 80780	16.49 -0.54 -0.07	15.06 -0.46 -0.11	13.90 -0.41 -0.25	14.68 -0.42 -0.08	15.11 -0.47 -0.07	16.19 -0.66 0.00	19.42 -0.75 0.00	20.92 -0.82 -0.07	20.11 -0.92 -0.22	19.91 -1.09 -0.01	20.71 -1.11 0.00	21.02 -1.10 -0.03	20.32 -1.23 0.00	19.02 -1.06 0.00	19.34 -0.83 -0.04	19.39 -0.81 -0.37	19.60 -0.82 -0.41	23.49 -0.97 -0.26	25.54 -1.07 -0.41	23.28 -1.01 -0.22	21.63 -1.09 0.00	18.87 -0.81 0.00	17.53 -0.73 0.00	17.36 -0.46 0.00
STEEL___WIND 323596	15.86 -1.19 -0.09	14.53 -1.02 -0.13	13.47 -0.88 -0.31	14.16 -0.96 -0.10	14.50 -1.09 -0.09	15.94 -0.91 0.00	19.11 -1.05 0.00	19.86 -1.91 -0.09	19.04 -2.04 -0.26	19.20 -1.81 -0.02	19.96 -1.85 0.00	19.94 -2.19 -0.03	19.48 -2.07 0.00	18.42 -1.67 0.00	18.12 -2.05 -0.05	18.33 -1.98 -0.45	18.52 -1.98 -0.49	22.11 -2.40 -0.31	24.11 -2.60 -0.49	22.00 -2.33 -0.26	20.93 -1.80 0.00	18.34 -1.34 0.00	17.08 -1.19 0.00	17.14 -0.68 0.00
STEPHTWN_115KV_BK_2 55603	18.63 1.02 -0.66	17.29 0.92 -0.95	17.12 0.84 -2.22	16.63 0.90 -0.71	17.08 0.93 -0.65	17.79 0.94 0.00	21.25 1.09 0.00	23.43 1.11 -0.65	23.81 1.08 -1.91	22.26 1.15 -0.12	23.00 1.18 0.00	23.50 1.15 -0.25	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.17 1.05 -3.29	24.71 1.08 -3.62	27.86 1.35 -2.31	31.24 1.42 -3.61	27.26 1.25 -1.94	23.95 1.23 0.00	20.68 1.00 0.00	19.16 0.89 0.00	18.60 0.78 0.00
STEUBEN_REC_LFGE 323667	16.81 -0.29 -0.13	15.30 -0.31 -0.19	14.24 -0.27 -0.46	14.88 -0.29 -0.15	15.29 -0.34 -0.13	16.66 -0.19 0.00	20.00 -0.16 0.00	21.18 -0.63 -0.13	20.56 -0.65 -0.39	20.61 -0.40 -0.02	21.43 -0.39 0.00	21.42 -0.73 -0.05	21.00 -0.54 0.00	19.88 -0.20 0.00	19.76 -0.44 -0.08	19.90 -0.59 -0.67	20.12 -0.62 -0.73	24.01 -0.65 -0.47	26.21 -0.73 -0.73	23.74 -0.72 -0.39	22.43 -0.30 0.00	19.48 -0.20 0.00	17.99 -0.27 0.00	17.77 -0.05 0.00
STILLWATER___SOLAR 323814	18.62 0.98 -0.68	17.29 0.89 -0.98	17.15 0.80 -2.30	16.63 0.87 -0.74	17.07 0.90 -0.67	17.86 1.01 0.00	21.39 1.23 0.00	23.64 1.30 -0.67	24.04 1.25 -1.98	22.43 1.32 -0.12	23.19 1.38 0.00	23.73 1.37 -0.26	22.84 1.29 0.00	21.35 1.27 0.00	21.79 1.27 -0.40	24.46 1.23 -3.40	24.97 1.22 -3.74	28.08 1.50 -2.38	31.57 1.63 -3.73	27.49 1.42 -2.00	24.09 1.36 0.00	20.76 1.08 0.00	19.21 0.95 0.00	18.71 0.89 0.00
STONY___BROOK 24151	19.27 1.78 -0.54	17.75 1.56 -0.77	17.30 1.43 -1.81	17.07 1.47 -0.58	17.57 1.53 -0.53	20.98 1.85 -2.28	29.76 2.22 -7.38	31.20 2.43 -7.10	29.69 2.29 -6.59	27.03 2.27 -3.78	28.42 2.34 -4.26	30.48 2.34 -6.05	29.83 2.31 -5.98	29.36 2.21 -7.07	29.38 2.23 -7.03	29.32 2.20 -7.29	28.75 2.32 -6.42	32.38 2.81 -5.38	33.10 3.09 -3.80	29.49 2.84 -2.58	28.23 2.63 -2.87	26.48 2.11 -4.69	20.31 2.01 -0.04	19.65 1.84 0.00
STURGEON_POOL_HYD 23609	18.46 0.95 -0.55	17.05 0.83 -0.80	16.69 0.77 -1.87	16.44 0.83 -0.60	16.89 0.84 -0.55	17.96 1.11 0.00	21.49 1.33 0.00	23.50 1.28 -0.55	23.69 1.27 -1.61	22.52 1.43 -0.10	23.28 1.46 0.00	23.81 1.50 -0.21	23.01 1.46 0.00	21.51 1.43 0.00	21.82 1.37 -0.33	23.90 1.31 -2.77	24.43 1.38 -3.04	27.78 1.65 -1.94	31.06 1.81 -3.04	27.34 1.64 -1.63	24.36 1.64 0.00	20.98 1.30 0.00	19.45 1.19 0.00	18.91 1.09 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	18.50 1.03 -0.50	17.07 0.92 -0.73	16.59 0.84 -1.70	16.46 0.90 -0.54	16.93 0.93 -0.50	17.89 1.04 0.00	21.41 1.25 0.00	23.54 1.37 -0.50	23.63 1.35 -1.46	22.46 1.39 -0.09	23.24 1.42 0.00	23.75 1.46 -0.19	22.99 1.44 0.00	21.49 1.41 0.00	21.81 1.39 -0.30	23.71 1.37 -2.52	24.24 1.46 -2.77	27.68 1.72 -1.76	30.86 1.89 -2.76	27.28 1.73 -1.48	24.29 1.57 0.00	20.94 1.26 0.00	19.41 1.15 0.00	18.87 1.05 0.00
SWANROAD_115KV_TB1 355699	15.59 -1.46 -0.09	14.29 -1.25 -0.12	13.24 -1.10 -0.29	13.94 -1.17 -0.09	14.30 -1.29 -0.08	15.42 -1.43 0.00	18.51 -1.65 0.00	19.53 -2.23 -0.08	18.67 -2.39 -0.25	18.53 -2.48 -0.02	19.27 -2.55 0.00	19.39 -2.74 -0.03	18.76 -2.78 0.00	17.72 -2.37 0.00	17.84 -2.33 -0.05	17.95 -2.30 -0.43	18.15 -2.32 -0.47	21.69 -2.81 -0.30	23.61 -3.07 -0.46	21.55 -2.77 -0.25	20.18 -2.55 0.00	17.69 -1.99 0.00	16.49 -1.77 0.00	16.54 -1.28 0.00
SYNERGY___BIOGAS 323694	16.28 -0.76 -0.08	14.89 -0.65 -0.12	13.76 -0.56 -0.27	14.51 -0.60 -0.09	14.92 -0.67 -0.08	16.13 -0.72 0.00	19.32 -0.85 0.00	20.56 -1.19 -0.08	19.72 -1.33 -0.24	19.62 -1.39 -0.01	20.40 -1.42 0.00	20.56 -1.57 -0.03	19.91 -1.64 0.00	18.76 -1.33 0.00	18.88 -1.29 -0.05	19.04 -1.19 -0.41	19.27 -1.18 -0.44	23.07 -1.40 -0.28	25.11 -1.55 -0.44	22.89 -1.42 -0.24	21.41 -1.32 0.00	18.70 -0.98 0.00	17.39 -0.88 0.00	17.39 -0.43 0.00
SYRACUSE___ENERGY_ST1 323597	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00



SYRACUSE___ENERGY_ST2 323598	16.97 -0.05 -0.07	15.46 -0.05 -0.10	14.23 -0.04 -0.22	15.05 -0.05 -0.07	15.52 -0.05 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.67 -0.07 -0.07	20.94 -0.06 -0.19	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.05 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.06 -0.10 -0.33	20.25 -0.12 -0.36	24.33 -0.10 -0.23	26.46 -0.10 -0.36	24.14 -0.12 -0.19	22.66 -0.07 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
SYRACUSE___POWER 24017	16.96 -0.07 -0.07	15.45 -0.06 -0.10	14.23 -0.06 -0.24	15.03 -0.06 -0.08	15.51 -0.06 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.68 -0.07 -0.07	20.95 -0.06 -0.20	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.06 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.09 -0.08 -0.35	20.28 -0.10 -0.37	24.36 -0.07 -0.24	26.50 -0.08 -0.37	24.17 -0.10 -0.20	22.68 -0.05 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
TALLMAN__138KV_BK151 55660	18.64 1.17 -0.51	17.21 1.05 -0.74	16.75 0.96 -1.74	16.60 1.02 -0.56	17.07 1.05 -0.51	18.03 1.18 0.00	21.55 1.39 0.00	23.74 1.56 -0.51	23.89 1.58 -1.50	22.68 1.60 -0.09	23.45 1.64 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.71 1.63 0.00	22.04 1.61 -0.30	23.99 1.59 -2.58	24.52 1.68 -2.83	27.98 1.98 -1.81	31.19 2.15 -2.83	27.58 2.00 -1.52	24.52 1.80 0.00	21.14 1.46 0.00	19.60 1.33 0.00	19.03 1.21 0.00
TEALLAVE_115KV_TB7 355573	16.86 -0.15 -0.06	15.36 -0.14 -0.08	14.13 -0.11 -0.20	14.96 -0.12 -0.06	15.43 -0.12 -0.06	16.71 -0.13 0.00	20.02 -0.14 0.00	21.56 -0.17 -0.06	20.81 -0.17 -0.17	20.83 -0.17 -0.01	21.67 -0.15 0.00	21.94 -0.18 -0.02	21.37 -0.17 0.00	19.88 -0.20 0.00	19.96 -0.20 -0.03	19.92 -0.20 -0.29	20.11 -0.22 -0.32	24.16 -0.24 -0.20	26.27 -0.26 -0.32	23.98 -0.26 -0.17	22.52 -0.20 0.00	19.60 -0.08 0.00	18.19 -0.07 0.00	17.82 0.00 0.00
TELEGRAPH_34_KV_EAST 80808	15.99 -1.05 -0.08	14.66 -0.88 -0.12	13.56 -0.77 -0.28	14.28 -0.83 -0.09	14.67 -0.91 -0.08	15.84 -1.01 0.00	19.01 -1.15 0.00	20.13 -1.63 -0.08	19.28 -1.77 -0.24	19.18 -1.83 -0.01	19.94 -1.88 0.00	20.09 -2.03 -0.03	19.45 -2.09 0.00	18.34 -1.75 0.00	18.50 -1.67 -0.05	18.59 -1.65 -0.41	18.82 -1.64 -0.45	22.50 -1.98 -0.29	24.48 -2.18 -0.45	22.34 -1.97 -0.24	20.91 -1.82 0.00	18.30 -1.38 0.00	17.02 -1.24 0.00	17.02 -0.80 0.00
TEMPLE___115KV_TB 2 55572	16.88 -0.14 -0.06	15.38 -0.12 -0.08	14.14 -0.11 -0.20	14.96 -0.12 -0.06	15.45 -0.11 -0.06	16.73 -0.12 0.00	20.02 -0.14 0.00	21.56 -0.17 -0.06	20.82 -0.17 -0.17	20.85 -0.15 -0.01	21.67 -0.15 0.00	21.96 -0.15 -0.02	21.39 -0.15 0.00	19.90 -0.18 0.00	19.98 -0.18 -0.03	19.94 -0.18 -0.29	20.13 -0.20 -0.32	24.18 -0.22 -0.21	26.30 -0.24 -0.32	24.00 -0.24 -0.17	22.52 -0.20 0.00	19.62 -0.06 0.00	18.21 -0.05 0.00	17.84 0.02 0.00
TIANA____69_KV_BK 1 55817	19.33 1.83 -0.54	17.79 1.60 -0.77	17.35 1.49 -1.81	17.15 1.55 -0.58	17.63 1.60 -0.53	21.08 1.95 -2.28	29.90 2.36 -7.38	31.31 2.54 -7.10	29.69 2.29 -6.59	26.99 2.22 -3.78	28.35 2.27 -4.26	30.40 2.25 -6.05	29.72 2.20 -5.98	29.26 2.11 -7.07	29.28 2.13 -7.03	29.22 2.10 -7.29	28.67 2.24 -6.42	32.31 2.73 -5.38	33.11 3.09 -3.80	29.50 2.84 -2.58	28.21 2.61 -2.87	26.44 2.07 -4.69	20.31 2.01 -0.04	19.65 1.84 0.00
TILDEN___115KV_TB1 80814	16.96 -0.07 -0.07	15.45 -0.06 -0.10	14.23 -0.06 -0.24	15.03 -0.06 -0.08	15.51 -0.06 -0.07	16.80 -0.05 0.00	20.12 -0.04 0.00	21.68 -0.07 -0.07	20.95 -0.06 -0.20	20.94 -0.06 -0.01	21.77 -0.04 0.00	22.06 -0.07 -0.03	21.48 -0.06 0.00	19.98 -0.10 0.00	20.06 -0.10 -0.04	20.09 -0.08 -0.35	20.28 -0.10 -0.37	24.36 -0.07 -0.24	26.50 -0.08 -0.37	24.17 -0.10 -0.20	22.68 -0.05 0.00	19.72 0.04 0.00	18.30 0.04 0.00	17.93 0.11 0.00
TRIGEN___CC 323695	19.02 1.53 -0.54	17.52 1.33 -0.77	17.08 1.22 -1.81	16.88 1.28 -0.58	17.33 1.30 -0.53	20.66 1.53 -2.28	29.36 1.81 -7.38	30.79 2.02 -7.10	29.44 2.02 -6.60	26.84 2.06 -3.80	28.26 2.16 -4.28	30.33 2.19 -6.05	29.72 2.18 -6.00	29.26 2.11 -7.07	29.24 2.09 -7.03	29.19 2.04 -7.32	28.57 2.12 -6.44	32.09 2.52 -5.38	32.77 2.75 -3.80	29.18 2.53 -2.58	27.89 2.30 -2.87	26.33 1.87 -4.78	20.05 1.75 -0.04	19.42 1.60 0.00
TRINITY__115KV__ 4 BK 55933	18.45 0.83 -0.66	17.14 0.77 -0.95	16.98 0.70 -2.23	16.48 0.75 -0.71	16.93 0.78 -0.65	17.61 0.76 0.00	20.99 0.83 0.00	23.17 0.85 -0.65	23.54 0.81 -1.92	21.99 0.88 -0.12	22.69 0.87 0.00	23.21 0.86 -0.25	22.41 0.86 0.00	20.93 0.84 0.00	21.34 0.83 -0.39	23.92 0.79 -3.30	24.44 0.80 -3.63	27.50 0.99 -2.31	30.91 1.07 -3.62	26.97 0.96 -1.94	23.66 0.93 0.00	20.45 0.77 0.00	18.96 0.69 0.00	18.42 0.61 0.00
UNION___PROCESSING_DRP 323587	16.49 -0.54 -0.07	15.06 -0.46 -0.11	13.91 -0.39 -0.25	14.68 -0.42 -0.08	15.11 -0.47 -0.07	16.19 -0.66 0.00	19.42 -0.75 0.00	20.95 -0.80 -0.07	20.11 -0.92 -0.22	19.91 -1.09 -0.01	20.73 -1.09 0.00	21.02 -1.10 -0.03	20.32 -1.23 0.00	19.02 -1.06 0.00	19.34 -0.83 -0.04	19.39 -0.81 -0.37	19.62 -0.80 -0.41	23.49 -0.97 -0.26	25.54 -1.07 -0.41	23.30 -0.99 -0.22	21.63 -1.09 0.00	18.87 -0.81 0.00	17.55 -0.71 0.00	17.37 -0.45 0.00
UPPER HUDSON___HYD 24058	18.57 0.93 -0.68	17.24 0.83 -0.99	17.12 0.76 -2.31	16.57 0.81 -0.74	17.03 0.85 -0.68	17.83 0.98 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.07 1.27 -1.99	22.46 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.83 1.31 -0.40	24.52 1.27 -3.42	25.03 1.26 -3.76	28.19 1.60 -2.40	31.67 1.70 -3.75	27.48 1.40 -2.01	24.11 1.39 0.00	20.72 1.04 0.00	19.16 0.89 0.00	18.64 0.82 0.00
UPPER RAQUET___HYD 24056	8.69 -0.73 7.54	7.87 -0.68 6.86	7.15 -0.65 6.26	7.66 -0.68 6.69	7.92 -0.68 6.89	8.44 -0.91 7.49	12.77 -1.01 6.39	11.25 -1.00 9.43	7.79 -1.02 12.00	5.95 -1.03 14.01	6.85 -1.00 13.97	13.84 -0.77 7.48	12.47 -0.77 8.30	7.64 -0.74 11.70	8.18 -0.72 11.22	5.38 -0.93 13.51	7.47 -0.98 11.56	14.70 -1.19 8.31	15.63 -1.34 9.24	14.66 -1.15 8.25	14.70 -1.11 6.91	14.79 -0.94 3.94	14.71 -0.75 2.81	11.14 -0.84 5.84
VALLEY44_115KV_TB2 355964	15.69 -1.37 -0.10	14.36 -1.20 -0.15	13.34 -1.05 -0.34	13.99 -1.14 -0.11	14.38 -1.22 -0.10	16.48 -0.37 0.00	19.64 -0.52 0.00	19.61 -2.17 -0.10	18.88 -2.23 -0.30	19.83 -1.18 -0.02	20.57 -1.24 0.00	20.10 -2.03 -0.04	20.16 -1.38 0.00	19.18 -0.90 0.00	18.13 -2.05 -0.06	18.31 -2.02 -0.51	18.52 -2.04 -0.55	22.08 -2.47 -0.35	24.12 -2.65 -0.55	21.99 -2.38 -0.30	21.79 -0.93 0.00	19.07 -0.61 0.00	17.72 -0.55 0.00	17.71 -0.11 0.00
VALLEY___115KV_TB 1-4 80826	17.76 0.32 -0.47	16.13 0.28 -0.43	14.68 0.24 -0.39	15.65 0.21 -0.42	16.12 0.19 -0.43	17.51 0.19 -0.47	20.81 0.24 -0.40	22.53 0.26 -0.59	21.86 0.29 -0.76	22.16 0.29 -0.88	23.07 0.35 -0.91	23.09 0.38 -0.62	22.59 0.39 -0.66	21.18 0.36 -0.74	21.19 0.34 -0.72	20.99 0.32 -0.85	21.02 0.28 -0.73	25.19 0.31 -0.68	27.30 0.34 -0.75	25.09 0.34 -0.68	23.64 0.32 -0.60	20.29 0.20 -0.42	18.81 0.20 -0.34	18.53 0.21 -0.50



VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	18.37 1.17 -0.24	16.81 1.05 -0.35	15.81 0.94 -0.81	16.29 1.01 -0.26	16.79 1.05 -0.24	18.10 1.25 0.00	21.76 1.59 0.00	23.54 1.63 -0.24	23.14 1.62 -0.70	22.73 1.70 -0.04	23.61 1.79 0.00	23.98 1.79 -0.09	23.33 1.79 0.00	21.77 1.69 0.00	21.90 1.63 -0.14	22.60 1.57 -1.20	22.91 1.58 -1.32	27.04 2.01 -0.84	29.81 2.28 -1.32	26.87 2.09 -0.71	24.79 2.07 0.00	21.41 1.73 0.00	19.78 1.52 0.00	19.33 1.51 0.00
VISCHER___FERRY HYD 24020	18.53 0.90 -0.67	17.21 0.83 -0.97	17.07 0.76 -2.26	16.55 0.81 -0.72	17.00 0.84 -0.66	17.76 0.91 0.00	21.25 1.09 0.00	23.48 1.15 -0.66	23.86 1.10 -1.95	22.24 1.13 -0.12	23.00 1.18 0.00	23.50 1.15 -0.26	22.66 1.12 0.00	21.17 1.08 0.00	21.58 1.07 -0.39	24.22 1.05 -3.35	24.73 1.04 -3.68	27.80 1.26 -2.35	31.27 1.39 -3.67	27.29 1.25 -1.97	23.95 1.23 0.00	20.62 0.94 0.00	19.12 0.86 0.00	18.64 0.82 0.00
V_A_10_SYNC_DSASP 323832	16.09 -0.95 -0.08	14.74 -0.79 -0.11	13.63 -0.69 -0.27	14.38 -0.72 -0.09	14.76 -0.82 -0.08	15.75 -1.09 0.00	18.91 -1.25 0.00	20.28 -1.47 -0.08	19.44 -1.60 -0.23	19.11 -1.89 -0.01	19.88 -1.94 0.00	20.16 -1.97 -0.03	19.41 -2.13 0.00	18.28 -1.81 0.00	18.54 -1.63 -0.05	18.68 -1.55 -0.40	18.88 -1.56 -0.43	22.58 -1.89 -0.28	24.57 -2.07 -0.43	22.43 -1.88 -0.23	20.77 -1.95 0.00	18.18 -1.50 0.00	16.93 -1.33 0.00	16.91 -0.91 0.00
V_CMM_10_SYNC_DSASP 323787	6.93 -0.54 9.48	6.29 -0.49 8.63	5.72 -0.46 7.86	6.12 -0.50 8.41	6.34 -0.50 8.67	6.86 -0.57 9.42	11.47 -0.66 8.03	9.15 -0.67 11.85	5.04 -0.69 15.08	2.68 -0.69 17.61	3.01 -0.72 18.09	9.01 -0.69 12.40	7.67 -0.69 13.18	4.73 -0.64 14.71	5.06 -0.64 14.42	2.19 -0.65 16.98	4.76 -0.66 14.59	9.75 -0.82 13.63	10.36 -0.92 14.93	9.74 -0.79 13.54	10.07 -0.77 11.88	10.69 -0.69 8.30	10.74 -0.64 6.89	7.16 -0.66 10.00
V_CMP_10_SYNC_DSASP 323788	7.03 -0.56 9.37	6.35 -0.54 8.53	5.77 -0.51 7.77	6.20 -0.51 8.31	6.45 -0.48 8.57	7.03 -0.51 9.31	11.60 -0.63 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.10 -1.27 20.65	-6.89 -1.22 27.77	-6.88 -1.21 27.22	4.40 -1.14 14.54	3.10 -1.13 15.90	1.89 -1.15 16.79	4.47 -1.12 14.42	-6.87 -1.40 29.67	-6.86 -1.55 31.52	-6.88 -1.40 29.55	-6.89 -1.36 28.26	-6.94 -1.18 25.44	-6.96 -1.10 24.13	-6.92 -1.10 23.64
V_D_10_SYNC_DSASP 323841	7.31 -0.47 9.17	6.62 -0.45 8.35	6.02 -0.42 7.61	6.44 -0.45 8.13	6.67 -0.45 8.38	7.20 -0.54 9.11	11.83 -0.56 7.77	9.65 -0.56 11.46	5.64 -0.58 14.59	3.36 -0.59 17.04	3.78 -0.61 17.43	9.96 -0.55 11.59	8.61 -0.56 12.38	5.33 -0.52 14.23	5.72 -0.50 13.91	2.84 -0.55 16.43	5.33 -0.56 14.12	10.74 -0.70 12.75	11.37 -0.84 14.00	10.73 -0.67 12.67	11.01 -0.66 11.06	11.52 -0.59 7.57	11.53 -0.53 6.20	7.92 -0.59 9.31
V_E_10_SYNC_DSASP 323830	18.31 1.17 -0.18	16.71 1.03 -0.26	15.56 0.90 -0.60	16.16 0.95 -0.19	16.72 1.04 -0.18	18.20 1.35 0.00	21.98 1.82 0.00	23.65 1.80 -0.18	23.08 1.75 -0.52	22.85 1.83 -0.03	23.78 1.96 0.00	24.11 1.94 -0.07	23.48 1.94 0.00	22.03 1.95 0.00	22.06 1.83 -0.11	22.50 1.78 -0.89	22.82 1.84 -0.97	27.38 2.56 -0.62	30.11 2.93 -0.97	27.26 2.67 -0.52	25.36 2.63 0.00	21.88 2.20 0.00	20.13 1.86 0.00	19.81 2.00 0.00
V_F_30_NSYNC___DSASP 323816	18.62 0.98 -0.68	17.29 0.89 -0.98	17.17 0.81 -2.30	16.63 0.87 -0.74	17.09 0.91 -0.68	17.86 1.01 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.06 1.27 -1.98	22.43 1.32 -0.12	23.19 1.38 0.00	23.75 1.39 -0.26	22.86 1.31 0.00	21.37 1.29 0.00	21.81 1.29 -0.40	24.48 1.25 -3.41	24.98 1.22 -3.75	28.11 1.53 -2.39	31.60 1.65 -3.74	27.50 1.42 -2.00	24.11 1.39 0.00	20.76 1.08 0.00	19.23 0.97 0.00	18.73 0.91 0.00
V_F_30_SYNC_DSASP 323786	18.52 0.90 -0.66	17.20 0.83 -0.95	17.04 0.76 -2.23	16.54 0.81 -0.71	16.99 0.84 -0.66	17.66 0.81 0.00	21.05 0.89 0.00	23.24 0.91 -0.65	23.63 0.89 -1.92	22.07 0.97 -0.12	22.80 0.98 0.00	23.32 0.97 -0.25	22.51 0.97 0.00	21.03 0.94 0.00	21.44 0.93 -0.39	24.02 0.89 -3.31	24.54 0.90 -3.63	27.62 1.11 -2.32	31.02 1.18 -3.63	27.07 1.06 -1.94	23.75 1.02 0.00	20.53 0.85 0.00	19.01 0.75 0.00	18.48 0.66 0.00
V_XM_10_SYNC_DSASP 323789	7.03 -0.56 9.37	6.35 -0.54 8.53	5.77 -0.51 7.77	6.20 -0.51 8.31	6.45 -0.48 8.57	7.03 -0.51 9.31	11.60 -0.63 7.94	9.27 -0.69 11.71	4.95 -0.96 14.91	2.47 -1.11 17.41	-0.10 -1.27 20.65	-6.89 -1.22 27.77	-6.88 -1.21 27.22	4.40 -1.14 14.54	3.10 -1.13 15.90	1.89 -1.15 16.79	4.47 -1.12 14.42	-6.87 -1.40 29.67	-6.86 -1.55 31.52	-6.88 -1.40 29.55	-6.89 -1.36 28.26	-6.94 -1.18 25.44	-6.96 -1.10 24.13	-6.92 -1.10 23.64
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	18.70 1.22 -0.52	17.24 1.08 -0.75	16.80 1.00 -1.75	16.63 1.05 -0.56	17.10 1.09 -0.51	18.08 1.23 0.00	21.62 1.45 0.00	23.79 1.60 -0.51	23.94 1.62 -1.51	22.72 1.64 -0.09	23.50 1.68 0.00	24.02 1.72 -0.20	23.27 1.72 0.00	21.75 1.67 0.00	22.08 1.65 -0.30	24.04 1.63 -2.59	24.58 1.72 -2.85	28.04 2.03 -1.82	31.28 2.23 -2.84	27.64 2.05 -1.52	24.57 1.84 0.00	21.17 1.50 0.00	19.63 1.37 0.00	19.07 1.25 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	18.83 1.34 -0.54	17.38 1.19 -0.77	16.96 1.10 -1.81	16.76 1.16 -0.58	17.21 1.18 -0.53	18.15 1.30 0.00	21.70 1.53 0.00	23.98 1.78 -0.53	24.18 1.81 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.50 1.96 0.00	21.99 1.91 0.00	22.35 1.91 -0.32	24.37 1.86 -2.68	24.92 1.96 -2.95	28.37 2.30 -1.88	31.64 2.49 -2.94	27.96 2.31 -1.58	24.77 2.05 0.00	21.35 1.67 0.00	19.85 1.59 0.00	19.23 1.41 0.00
W50THST__13_KV_LOAD 356117	18.92 1.42 -0.54	17.45 1.26 -0.77	17.03 1.17 -1.81	16.83 1.23 -0.58	17.29 1.26 -0.53	18.23 1.38 0.00	21.80 1.63 0.00	24.09 1.89 -0.53	24.31 1.94 -1.56	23.06 1.97 -0.10	23.87 2.05 0.00	24.40 2.10 -0.21	23.63 2.09 0.00	22.11 2.03 0.00	22.49 2.05 -0.32	24.49 1.98 -2.68	25.04 2.08 -2.95	28.52 2.44 -1.88	31.80 2.65 -2.94	28.10 2.46 -1.58	24.88 2.16 0.00	21.45 1.77 0.00	19.94 1.68 0.00	19.32 1.50 0.00
WADING RIVER_IC_1 23522	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.40 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.96 1.84 -2.28	29.78 2.24 -7.38	31.18 2.41 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.13 2.05 -4.26	30.17 2.03 -6.05	29.51 1.98 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.04 1.92 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.03 2.43 -2.87	26.26 1.89 -4.69	20.17 1.86 -0.04	19.53 1.71 0.00
WADING RIVER_IC_2 23547	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.40 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.96 1.84 -2.28	29.78 2.24 -7.38	31.18 2.41 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.13 2.05 -4.26	30.17 2.03 -6.05	29.51 1.98 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.04 1.92 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.03 2.43 -2.87	26.26 1.89 -4.69	20.17 1.86 -0.04	19.53 1.71 0.00



WADING RIVER_IC_3 23601	19.21 1.71 -0.54	17.70 1.51 -0.77	17.27 1.40 -1.81	17.06 1.46 -0.58	17.54 1.50 -0.53	20.96 1.84 -2.28	29.78 2.24 -7.38	31.18 2.41 -7.10	29.52 2.12 -6.59	26.80 2.04 -3.78	28.13 2.05 -4.26	30.17 2.03 -6.05	29.51 1.98 -5.98	29.06 1.91 -7.07	29.08 1.93 -7.03	29.04 1.92 -7.29	28.49 2.06 -6.42	32.12 2.54 -5.38	32.87 2.86 -3.80	29.30 2.65 -2.58	28.03 2.43 -2.87	26.26 1.89 -4.69	20.17 1.86 -0.04	19.53 1.71 0.00
WALDENNY_I2_KV_BK2 80841	15.88 -1.17 -0.09	14.54 -1.00 -0.13	13.47 -0.89 -0.30	14.17 -0.95 -0.10	14.54 -1.05 -0.09	15.91 -0.94 0.00	19.09 -1.07 0.00	19.88 -1.89 -0.09	19.08 -2.00 -0.26	19.20 -1.80 -0.02	19.96 -1.85 0.00	19.94 -2.19 -0.03	19.45 -2.09 0.00	18.38 -1.71 0.00	18.24 -1.93 -0.05	18.37 -1.90 -0.45	18.56 -1.94 -0.49	22.16 -2.35 -0.31	24.16 -2.54 -0.49	22.05 -2.29 -0.26	20.93 -1.80 0.00	18.32 -1.36 0.00	17.06 -1.21 0.00	17.07 -0.75 0.00
WALDEN___HYDRO 24148	18.60 1.12 -0.52	17.16 0.99 -0.76	16.74 0.91 -1.77	16.56 0.98 -0.57	17.03 1.01 -0.52	17.99 1.15 0.00	21.55 1.39 0.00	23.64 1.45 -0.52	23.75 1.42 -1.52	22.53 1.45 -0.09	23.28 1.46 0.00	23.82 1.52 -0.20	23.03 1.49 0.00	21.53 1.45 0.00	21.86 1.43 -0.31	23.88 1.43 -2.62	24.41 1.52 -2.88	27.87 1.84 -1.84	31.13 2.04 -2.88	27.44 1.83 -1.54	24.41 1.68 0.00	21.02 1.34 0.00	19.49 1.22 0.00	18.92 1.10 0.00
WARRENSBURG____ 23737	18.57 0.93 -0.68	17.24 0.83 -0.99	17.12 0.76 -2.31	16.57 0.81 -0.74	17.03 0.85 -0.68	17.83 0.98 0.00	21.39 1.23 0.00	23.67 1.32 -0.67	24.07 1.27 -1.99	22.46 1.34 -0.12	23.22 1.40 0.00	23.75 1.39 -0.26	22.88 1.34 0.00	21.37 1.29 0.00	21.83 1.31 -0.40	24.52 1.27 -3.42	25.03 1.26 -3.76	28.19 1.60 -2.40	31.67 1.70 -3.75	27.48 1.40 -2.01	24.11 1.39 0.00	20.72 1.04 0.00	19.16 0.89 0.00	18.64 0.82 0.00
WATERSIDE___6 8 9 23538	18.88 1.39 -0.54	17.42 1.23 -0.77	17.00 1.14 -1.81	16.80 1.20 -0.58	17.26 1.22 -0.53	18.16 1.31 0.00	21.66 1.49 0.00	23.96 1.76 -0.53	24.16 1.79 -1.56	22.93 1.85 -0.10	23.74 1.92 0.00	24.27 1.97 -0.21	23.48 1.94 0.00	21.97 1.89 0.00	22.37 1.93 -0.32	24.35 1.84 -2.68	24.90 1.94 -2.95	28.32 2.25 -1.88	31.62 2.46 -2.94	27.91 2.26 -1.58	24.70 1.98 0.00	21.31 1.63 0.00	19.85 1.59 0.00	19.28 1.46 0.00
WATKINRD_115KV_LN8_ILLION 55919	17.77 0.34 -0.47	16.14 0.29 -0.43	14.71 0.27 -0.39	15.71 0.27 -0.42	16.20 0.26 -0.43	17.61 0.29 -0.47	20.91 0.34 -0.40	22.64 0.37 -0.59	21.94 0.37 -0.76	22.25 0.38 -0.88	23.14 0.41 -0.91	23.14 0.42 -0.62	22.63 0.43 -0.66	21.22 0.40 -0.74	21.25 0.40 -0.72	21.07 0.40 -0.85	21.12 0.38 -0.73	25.34 0.46 -0.68	27.46 0.50 -0.75	25.21 0.46 -0.68	23.75 0.43 -0.60	20.43 0.33 -0.42	18.92 0.31 -0.34	18.62 0.30 -0.50
WATSON___69_KV_BK 1 55734	19.39 1.90 -0.54	17.82 1.63 -0.77	17.37 1.50 -1.81	17.16 1.56 -0.58	17.64 1.61 -0.53	21.08 1.95 -2.28	29.88 2.34 -7.38	31.33 2.56 -7.10	29.86 2.46 -6.59	27.22 2.46 -3.78	28.63 2.55 -4.26	30.73 2.59 -6.05	30.05 2.52 -5.99	29.60 2.45 -7.07	29.60 2.46 -7.03	29.52 2.40 -7.29	28.93 2.50 -6.42	32.58 3.00 -5.38	33.32 3.30 -3.80	29.66 3.01 -2.58	28.35 2.75 -2.87	26.62 2.24 -4.70	20.40 2.10 -0.04	19.78 1.96 0.00
WDELAWARE___HYD 323627	18.34 0.90 -0.49	16.90 0.79 -0.70	16.41 0.72 -1.64	16.33 0.78 -0.53	16.79 0.81 -0.48	17.79 0.94 0.00	21.33 1.17 0.00	23.34 1.19 -0.48	23.39 1.16 -1.41	22.23 1.15 -0.09	22.97 1.16 0.00	23.50 1.21 -0.19	22.15 0.60 0.00	20.69 0.60 0.00	21.01 0.60 -0.29	22.89 0.63 -2.43	23.42 0.74 -2.67	26.84 0.94 -1.70	29.95 1.08 -2.67	26.42 0.91 -1.43	24.16 1.43 0.00	20.80 1.12 0.00	19.25 0.99 0.00	18.71 0.89 0.00
WEST BABYLON___IC 23714	19.33 1.83 -0.54	17.76 1.57 -0.77	17.31 1.45 -1.81	17.10 1.50 -0.58	17.58 1.55 -0.53	20.98 1.85 -2.28	29.74 2.20 -7.38	31.20 2.43 -7.10	29.78 2.37 -6.59	27.16 2.39 -3.78	28.59 2.51 -4.27	30.68 2.54 -6.05	30.03 2.50 -5.99	29.56 2.41 -7.07	29.56 2.41 -7.03	29.48 2.36 -7.30	28.89 2.46 -6.42	32.53 2.95 -5.38	33.24 3.22 -3.80	29.62 2.96 -2.58	28.28 2.68 -2.87	26.61 2.22 -4.71	20.37 2.06 -0.04	19.73 1.91 0.00
WEST CANADA___HYD 24049	17.64 0.20 -0.47	16.03 0.19 -0.43	14.61 0.17 -0.39	15.62 0.18 -0.42	16.12 0.19 -0.43	17.52 0.20 -0.47	20.81 0.24 -0.40	22.53 0.26 -0.59	21.82 0.25 -0.76	22.14 0.27 -0.88	23.01 0.28 -0.91	23.00 0.29 -0.62	22.48 0.28 -0.66	21.08 0.26 -0.74	21.11 0.26 -0.72	20.93 0.26 -0.85	21.00 0.26 -0.73	25.19 0.31 -0.68	27.30 0.34 -0.75	25.06 0.31 -0.68	23.61 0.29 -0.60	20.33 0.24 -0.42	18.83 0.22 -0.34	18.52 0.20 -0.50
WESTERN_NY_WIND 24143	16.24 -0.80 -0.08	14.86 -0.68 -0.12	13.75 -0.58 -0.28	14.49 -0.62 -0.09	14.90 -0.68 -0.08	16.09 -0.76 0.00	19.30 -0.87 0.00	20.52 -1.24 -0.08	19.66 -1.39 -0.24	19.58 -1.43 -0.01	20.36 -1.46 0.00	20.49 -1.64 -0.03	19.86 -1.68 0.00	18.70 -1.39 0.00	18.90 -1.27 -0.05	19.01 -1.23 -0.41	19.23 -1.22 -0.45	23.03 -1.45 -0.28	25.06 -1.60 -0.44	22.84 -1.47 -0.24	21.36 -1.36 0.00	18.66 -1.02 0.00	17.35 -0.91 0.00	17.30 -0.52 0.00
WESTOVER___LESR 323668	17.28 0.14 -0.18	15.81 0.12 -0.27	14.79 0.11 -0.62	15.34 0.12 -0.20	15.81 0.12 -0.18	17.14 0.29 0.00	20.53 0.36 0.00	21.99 0.13 -0.18	21.45 0.10 -0.54	21.25 0.23 -0.03	22.06 0.24 0.00	22.30 0.13 -0.07	21.76 0.22 0.00	20.37 0.28 0.00	20.35 0.12 -0.11	20.87 0.12 -0.92	21.16 0.14 -1.01	25.03 0.19 -0.64	27.45 0.24 -1.00	24.80 0.19 -0.54	23.11 0.39 0.00	20.07 0.39 0.00	18.59 0.33 0.00	18.26 0.45 0.00
WETHRSFD_WT_PWR 323626	15.62 -1.42 -0.09	14.30 -1.25 -0.13	13.25 -1.10 -0.30	13.93 -1.19 -0.10	14.22 -1.36 -0.09	15.57 -1.28 0.00	18.59 -1.57 0.00	19.42 -2.34 -0.09	18.61 -2.46 -0.26	18.63 -2.37 -0.02	19.40 -2.42 0.00	19.41 -2.72 -0.03	18.89 -2.65 0.00	17.86 -2.23 0.00	17.66 -2.52 -0.05	17.85 -2.42 -0.44	18.03 -2.46 -0.48	21.52 -2.98 -0.31	23.47 -3.22 -0.48	21.42 -2.91 -0.26	20.27 -2.45 0.00	17.77 -1.91 0.00	16.53 -1.74 0.00	16.61 -1.21 0.00
WHAVSTOR_138KV_BK127 55557	18.65 1.17 -0.52	17.20 1.03 -0.75	16.76 0.96 -1.75	16.60 1.02 -0.56	17.05 1.04 -0.51	18.01 1.16 0.00	21.53 1.37 0.00	23.72 1.54 -0.51	23.88 1.56 -1.51	22.66 1.57 -0.09	23.43 1.61 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.69 1.61 0.00	22.04 1.61 -0.31	23.99 1.57 -2.59	24.52 1.66 -2.85	27.97 1.96 -1.82	31.21 2.15 -2.85	27.57 1.97 -1.52	24.50 1.77 0.00	21.12 1.44 0.00	19.60 1.33 0.00	19.03 1.21 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	18.65 1.17 -0.52	17.20 1.03 -0.75	16.76 0.96 -1.75	16.60 1.02 -0.56	17.05 1.04 -0.51	18.01 1.16 0.00	21.53 1.37 0.00	23.72 1.54 -0.51	23.88 1.56 -1.51	22.66 1.57 -0.09	23.43 1.61 0.00	23.97 1.68 -0.20	23.20 1.66 0.00	21.69 1.61 0.00	22.04 1.61 -0.31	23.99 1.57 -2.59	24.52 1.66 -2.85	27.97 1.96 -1.82	31.21 2.15 -2.85	27.57 1.97 -1.52	24.50 1.77 0.00	21.12 1.44 0.00	19.60 1.33 0.00	19.03 1.21 0.00



WHITEHAL_115KV_TB1 80871	18.81 1.17 -0.68	17.45 1.05 -0.99	17.30 0.94 -2.31	16.76 1.01 -0.74	17.25 1.07 -0.68	18.08 1.23 0.00	21.74 1.57 0.00	24.04 1.69 -0.67	24.57 1.77 -1.99	23.00 1.89 -0.12	23.80 1.99 0.00	24.35 1.99 -0.26	23.29 1.75 0.00	21.79 1.71 0.00	22.26 1.73 -0.40	24.82 1.59 -3.41	25.35 1.58 -3.76	28.60 2.01 -2.39	32.08 2.12 -3.75	27.81 1.73 -2.01	24.45 1.73 0.00	21.00 1.32 0.00	19.38 1.11 0.00	18.85 1.03 0.00
WHITEPLN_13_KV_LOAD 356215	18.90 1.41 -0.53	17.44 1.25 -0.77	16.99 1.14 -1.81	16.81 1.22 -0.58	17.27 1.24 -0.53	18.25 1.40 0.00	21.82 1.65 0.00	24.13 1.93 -0.53	24.34 1.98 -1.55	23.08 1.99 -0.10	23.91 2.09 0.00	24.47 2.17 -0.21	23.65 2.11 0.00	22.13 2.05 0.00	22.49 2.05 -0.31	24.50 2.00 -2.67	25.09 2.14 -2.94	28.58 2.52 -1.87	31.87 2.73 -2.93	28.12 2.48 -1.57	24.95 2.23 0.00	21.47 1.79 0.00	19.91 1.64 0.00	19.30 1.48 0.00
WM_FLOYD_69_KV_BK2 356380	19.27 1.78 -0.54	17.75 1.56 -0.77	17.31 1.45 -1.81	17.09 1.49 -0.58	17.57 1.53 -0.53	21.01 1.89 -2.28	29.82 2.28 -7.38	31.20 2.43 -7.10	29.63 2.23 -6.59	26.93 2.16 -3.78	28.28 2.20 -4.26	30.33 2.19 -6.05	29.66 2.13 -5.98	29.22 2.07 -7.07	29.22 2.07 -7.03	29.18 2.06 -7.29	28.61 2.18 -6.42	32.21 2.64 -5.38	33.00 2.99 -3.80	29.42 2.77 -2.58	28.14 2.55 -2.87	26.38 2.01 -4.69	20.27 1.97 -0.04	19.60 1.78 0.00
WOODARD__115KV_TB2 355635	16.83 -0.19 -0.06	15.33 -0.17 -0.09	14.10 -0.15 -0.20	14.92 -0.17 -0.06	15.39 -0.17 -0.06	16.66 -0.19 0.00	19.96 -0.20 0.00	21.49 -0.24 -0.06	20.76 -0.23 -0.17	20.77 -0.23 -0.01	21.60 -0.22 0.00	21.88 -0.24 -0.02	21.31 -0.24 0.00	19.80 -0.28 0.00	19.90 -0.26 -0.03	19.86 -0.26 -0.29	20.05 -0.28 -0.32	24.09 -0.31 -0.21	26.19 -0.34 -0.32	23.93 -0.31 -0.17	22.43 -0.30 0.00	19.54 -0.14 0.00	18.14 -0.13 0.00	17.77 -0.05 0.00
YORK__WARBASSE 23770	19.00 1.51 -0.54	17.52 1.33 -0.77	17.07 1.21 -1.81	16.88 1.28 -0.58	17.34 1.30 -0.53	18.23 1.38 0.00	21.74 1.57 0.00	24.04 1.84 -0.53	24.25 1.87 -1.56	23.02 1.93 -0.10	23.85 2.03 0.00	28.77 2.03 -4.64	31.50 2.03 -7.94	40.05 1.97 -17.99	22.45 2.01 -0.32	24.41 1.90 -2.68	24.96 2.00 -2.95	28.40 2.32 -1.88	32.15 2.59 -3.34	28.03 2.38 -1.58	34.78 2.07 -9.99	26.20 1.71 -4.81	20.02 1.70 -0.06	19.39 1.57 0.00