

# Time Weighted/Integrated Real Time LBMP- Generator

--- LBMP \$

--- Marginal Cost of Losses

### --- Marginal Cost of Congestion

## Generator Data

12/30/2024

Name	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
PTID	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST	EST
59TH STREET_GT_1	14.55	20.05	27.67	25.37	18.57	16.88	25.63	22.01	28.15	25.00	26.42	26.35	27.50	24.62	29.21	29.72	36.27	39.64	38.92	36.50	33.07	25.14	28.15	28.43
24138	0.69	0.90	1.26	1.18	0.88	0.78	1.19	1.14	1.44	1.31	1.24	1.07	1.05	1.36	1.86	1.90	2.33	2.65	2.52	2.29	1.99	1.47	1.59	1.49
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.21	-8.16	-10.43	-3.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_1	14.61	20.14	27.80	25.49	18.64	16.95	25.73	22.08	28.25	25.07	26.46	26.38	27.52	24.66	29.28	29.80	36.38	39.77	39.05	36.65	33.20	25.25	28.27	28.56
24260	0.76	1.00	1.40	1.29	0.95	0.84	1.29	1.22	1.54	1.39	1.29	1.12	1.10	1.42	1.93	1.98	2.44	2.78	2.65	2.43	2.12	1.57	1.72	1.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.19	-8.13	-10.40	-3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74TH STREET_GT_2	14.61	20.14	27.80	25.49	18.64	16.95	25.73	22.08	28.25	25.07	26.46	26.38	27.52	24.66	29.28	29.80	36.38	39.77	39.05	36.65	33.20	25.25	28.27	28.56
24261	0.76	1.00	1.40	1.29	0.95	0.84	1.29	1.22	1.54	1.39	1.29	1.12	1.10	1.42	1.93	1.98	2.44	2.78	2.65	2.43	2.12	1.57	1.72	1.61
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-5.19	-8.13	-10.40	-3.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK HUDSON___FALLS	14.46	19.90	27.41	25.13	18.35	16.73	25.50	21.91	28.09	24.94	22.27	20.00	19.31	21.55	28.72	29.29	35.86	39.24	38.56	36.20	32.83	24.93	27.86	28.19
24011	0.60	0.76	1.01	0.94	0.66	0.62	1.05	1.05	1.38	1.25	1.03	0.89	0.76	0.91	1.37	1.47	1.92	2.24	2.16	1.98	1.75	1.25	1.31	1.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.27	-1.98	-2.54	-0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK RESOURCE___RCVRY	14.50	19.93	27.43	25.17	18.37	16.74	25.54	21.98	28.18	25.06	22.35	20.10	19.36	21.59	28.79	29.36	35.96	39.37	38.68	36.32	32.95	25.00	27.92	28.24
23798	0.64	0.79	1.03	0.98	0.68	0.63	1.10	1.11	1.48	1.37	1.11	0.99	0.82	0.95	1.43	1.54	2.02	2.37	2.28	2.11	1.86	1.32	1.37	1.30
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.26	-1.98	-2.53	-0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK S GLENS___FALLS	14.46	19.90	27.41	25.13	18.35	16.73	25.50	21.91	28.09	24.94	22.27	20.00	19.31	21.55	28.72	29.29	35.86	39.24	38.56	36.20	32.83	24.93	27.86	28.19
24028	0.60	0.76	1.01	0.94	0.66	0.62	1.05	1.05	1.38	1.25	1.03	0.89	0.76	0.91	1.37	1.47	1.92	2.24	2.16	1.98	1.75	1.25	1.31	1.24
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.27	-1.98	-2.54	-0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ADK_NYS___DAM	14.62	20.13	27.75	25.46	18.59	16.94	25.73	22.12	28.31	25.13	22.76	20.61	20.08	22.01	28.96	29.52	36.07	39.37	38.75	36.42	33.05	25.15	28.17	28.45
23527	0.76	0.99	1.34	1.26	0.90	0.83	1.29	1.26	1.61	1.45	1.22	1.03	0.93	1.17	1.60	1.70	2.13	2.37	2.35	2.20	1.97	1.48	1.61	1.50
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.57	-2.45	-3.14	-1.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AIR_PRODUCTS___DRP	14.25	19.68	27.13	24.87	18.16	16.54	25.11	21.53	27.55	24.40	21.85	19.68	19.11	21.23	28.09	28.64	34.89	38.06	37.43	35.18	31.96	24.36	27.33	27.79
24190	0.40	0.54	0.73	0.67	0.48	0.43	0.67	0.66	0.85	0.71	0.54	0.45	0.41	0.54	0.74	0.82	0.95	1.07	1.03	0.96	0.88	0.69	0.77	0.84
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.34	-2.10	-2.69	-0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AKWESSNE_115KV_BK	13.98	19.31	26.59	24.39	17.86	16.26	24.67	21.04	26.89	23.90	20.10	17.19	16.12	19.87	27.49	27.91	34.04	37.05	36.53	34.38	31.26	23.79	26.66	27.14
355683	0.13	0.16	0.19	0.19	0.17	0.15	0.23	0.17	0.18	0.21	0.13	0.07	0.10	0.06	0.13	0.09	0.09	0.05	0.13	0.16	0.18	0.11	0.10	0.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_1_SOLAR	14.40	19.89	27.42	25.13	18.36	16.72	25.40	21.77	27.85	24.64	21.82	19.45	18.78	21.24	28.35	29.01	35.47	38.71	38.06	35.77	32.48	24.74	27.74	28.15
323833	0.55	0.74	1.02	0.94	0.67	0.61	0.95	0.90	1.14	0.96	0.72	0.57	0.51	0.70	1.00	1.19	1.54	1.71	1.66	1.55	1.40	1.07	1.18	1.20
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.12	-1.75	-2.25	-0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY_2_SOLAR	14.39	19.88	27.41	25.13	18.36	16.72	25.39	21.76	27.85	24.64	21.82	19.46	18.78	21.24	28.35	28.99	35.46	38.70	38.06	35.75	32.47	24.73	27.72	28.14
323834	0.54	0.74	1.01	0.94	0.67	0.61	0.95	0.90	1.14	0.95	0.72	0.57	0.51	0.70	0.99	1.17	1.52	1.71	1.65	1.53	1.39	1.06	1.17	1.19
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.12	-1.76	-2.25	-0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ALBANY___1	14.25	19.68	27.13	24.87	18.16	16.54	25.11	21.53	27.55	24.40	21.85	19.68	19.11	21.23	28.09	28.64	34.89	38.06	37.43	35.18	31.96	24.36	27.33	27.79
23571	0.40	0.54	0.73	0.67	0.48	0.43	0.67	0.66	0.85	0.71	0.54	0.45	0.41	0.54	0.74	0.82	0.95	1.07	1.03	0.96	0.88	0.69	0.77	0.84
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-1.34	-2.10	-2.69	-0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



ALBANY___2 23572	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.54 -1.34	19.68 0.45 -2.10	19.11 0.41 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.89 0.95 0.00	38.06 1.07 0.00	37.43 1.03 0.00	35.18 0.96 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
ALBANY___3 23573	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.54 -1.34	19.68 0.45 -2.10	19.11 0.41 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.89 0.95 0.00	38.06 1.07 0.00	37.43 1.03 0.00	35.18 0.96 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
ALBANY___4 23574	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.54 -1.34	19.68 0.45 -2.10	19.11 0.41 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.89 0.95 0.00	38.06 1.07 0.00	37.43 1.03 0.00	35.18 0.96 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
ALBANY___LFGE 323615	14.34 0.49 0.00	19.80 0.65 0.00	27.29 0.88 0.00	25.01 0.82 0.00	18.27 0.58 0.00	16.64 0.53 0.00	25.27 0.83 0.00	21.68 0.81 0.00	27.74 1.03 0.00	24.57 0.88 0.00	22.01 0.70 -1.33	19.80 0.59 -2.09	19.23 0.53 -2.67	21.39 0.70 -0.88	28.34 0.98 0.00	28.89 1.07 0.00	35.20 1.26 0.00	38.40 1.41 0.00	37.76 1.36 0.00	35.48 1.25 0.00	32.22 1.14 0.00	24.55 0.88 0.00	27.53 0.97 0.00	27.96 1.01 0.00
ALCOA_PA_115KV_PL-6C 55860	13.94 0.08 0.00	19.36 0.21 0.00	26.69 0.29 0.00	24.48 0.28 0.00	17.93 0.24 0.00	16.33 0.22 0.00	24.75 0.30 0.00	21.12 0.25 0.00	26.99 0.28 0.00	23.97 0.29 0.00	20.16 0.19 0.00	17.24 0.11 0.00	16.16 0.15 0.00	19.93 0.12 0.00	27.58 0.22 0.00	28.01 0.19 0.00	34.16 0.22 0.00	37.05 0.22 0.00	36.67 0.27 0.00	34.51 0.29 0.00	31.37 0.29 0.00	23.86 0.18 0.00	26.75 0.20 0.00	27.25 0.31 0.00
ALCOA_RYNLDS___DRP 24188	13.94 0.08 0.00	19.36 0.21 0.00	26.69 0.29 0.00	24.48 0.28 0.00	17.93 0.24 0.00	16.33 0.22 0.00	24.75 0.30 0.00	21.12 0.25 0.00	26.99 0.28 0.00	23.97 0.29 0.00	20.16 0.19 0.00	17.24 0.11 0.00	16.16 0.15 0.00	19.93 0.12 0.00	27.58 0.22 0.00	28.01 0.19 0.00	34.16 0.22 0.00	37.05 0.22 0.00	36.67 0.27 0.00	34.51 0.29 0.00	31.37 0.29 0.00	23.86 0.18 0.00	26.75 0.20 0.00	27.25 0.31 0.00
ALCOA___DSASP 323711	13.94 0.08 0.00	19.36 0.21 0.00	26.69 0.29 0.00	24.48 0.28 0.00	17.93 0.24 0.00	16.33 0.22 0.00	24.75 0.30 0.00	21.12 0.25 0.00	26.99 0.28 0.00	23.97 0.29 0.00	20.16 0.18 0.00	17.24 0.11 0.00	16.16 0.15 0.00	19.93 0.12 0.00	27.57 0.22 0.00	28.01 0.19 0.00	34.16 0.22 0.00	37.05 0.22 0.00	36.66 0.26 0.00	34.51 0.29 0.00	31.37 0.29 0.00	23.86 0.18 0.00	26.76 0.20 0.00	27.25 0.30 0.00
ALLEGHENY___COGEN 23514	13.22 -0.64 0.00	18.27 -0.88 0.00	25.27 -1.13 0.00	23.07 -1.13 0.00	16.89 -0.80 0.00	15.43 -0.68 0.00	23.66 -0.78 0.00	32.33 -0.84 -12.31	60.78 -0.96 -35.04	30.92 -0.86 -8.10	39.73 -0.88 -20.63	41.56 -0.64 -25.07	45.06 -0.73 -29.78	51.71 -0.83 -32.74	65.41 -0.96 -39.02	67.87 -0.94 -41.00	78.95 -1.02 -46.02	85.79 -0.97 -49.77	83.50 -1.03 -48.13	79.36 -1.02 -46.16	72.41 -0.93 -42.26	25.43 -0.94 -2.69	25.78 -0.78 0.00	26.36 -0.59 0.00
ALTAMONT_115KV_TB 2 55880	14.22 0.36 0.00	19.64 0.50 0.00	27.08 0.68 0.00	24.82 0.63 0.00	18.13 0.44 0.00	16.51 0.40 0.00	25.06 0.62 0.00	21.47 0.60 0.00	27.47 0.76 0.00	24.35 0.66 0.00	21.82 0.54 -1.30	19.62 0.46 -2.03	19.04 0.42 -2.60	21.20 0.54 -0.86	28.11 0.76 0.00	28.65 0.83 0.00	34.96 1.03 0.00	38.15 1.16 0.00	37.54 1.14 0.00	35.26 1.05 0.00	32.02 0.94 0.00	24.39 0.71 0.00	27.34 0.79 0.00	27.72 0.77 0.00
ALTONA_WT_PWR 323606	13.84 -0.01 0.00	19.13 -0.01 0.00	26.32 -0.08 0.00	24.24 0.05 0.00	17.84 0.15 0.00	16.24 0.13 0.00	24.76 0.32 0.00	21.23 0.37 0.00	27.10 0.39 0.00	24.12 0.43 0.00	20.07 0.10 0.00	17.07 -0.06 0.00	16.09 0.07 0.00	19.62 -0.18 0.00	27.20 -0.15 0.00	27.56 -0.26 0.00	33.55 -0.39 0.00	36.70 -0.29 0.00	36.22 -0.18 0.00	34.15 -0.07 0.00	31.02 -0.06 0.00	23.55 -0.13 0.00	26.25 -0.31 0.00	26.61 -0.34 0.00
AMERICAN_REF_FUEL 24010	12.27 -1.58 0.00	16.92 -2.22 0.00	23.45 -2.95 0.00	21.33 -2.87 0.00	15.58 -2.11 0.00	14.20 -1.91 0.00	21.72 -2.72 0.00	15.31 -2.73 2.83	15.69 -3.17 7.86	19.00 -2.86 1.83	13.06 -2.37 4.55	9.58 -1.98 5.57	7.18 -2.05 6.79	9.85 -2.47 7.49	15.10 -3.33 8.93	14.92 -3.53 9.38	19.03 -4.38 10.53	20.50 -5.11 11.38	20.35 -5.04 11.01	19.12 -4.54 10.56	17.50 -3.91 9.67	23.46 -3.29 0.62	24.17 -2.78 0.00	
ARKWRIGHT___SUMMIT_WT_PWR 323751	12.23 -1.62 0.00	16.84 -2.30 0.00	23.45 -2.95 0.00	21.35 -2.84 0.00	15.52 -2.16 0.00	14.17 -1.94 0.00	21.80 -2.65 0.00	15.44 -2.61 2.81	15.57 -3.03 8.10	19.18 -2.61 1.90	12.89 -2.27 4.82	9.37 -1.89 5.86	7.12 -1.91 6.99	9.82 -2.29 7.69	15.09 -3.10 9.17	15.01 -3.18 9.63	19.08 -4.05 10.81	20.56 -4.74 11.69	20.45 -4.64 11.30	19.39 -3.99 10.84	17.78 -3.37 9.93	20.28 -2.76 0.63	24.22 -2.33 0.00	25.09 -1.86 0.00
ARTHUR KILL_GT_1 23520	46.03 0.78 -31.39	45.58 1.05 -25.40	45.36 1.50 -17.45	45.36 1.39 -19.78	45.34 1.02 -26.62	45.53 0.89 -28.53	45.96 1.36 -20.16	46.06 1.26 -23.94	46.44 1.54 -18.19	46.36 1.38 -21.30	47.08 1.24 -25.87	46.55 1.05 -28.37	46.20 1.03 -29.15	46.19 1.35 -25.03	46.92 1.82 -17.74	63.15 1.90 -33.43	47.17 2.40 -10.83	90.17 2.70 -50.47	141.54 2.61 -102.53	84.95 2.45 -48.27	54.65 2.18 -21.40	66.63 1.59 -41.36	47.39 1.81 -19.03	47.04 1.73 -18.37
ARTHUR_KILL_2 23512	46.00 0.75 -31.39	45.54 1.00 -25.40	45.29 1.44 -17.45	45.29 1.32 -19.78	45.29 0.98 -26.62	45.49 0.85 -28.53	45.89 1.28 -20.16	46.00 1.19 -23.94	46.36 1.46 -18.19	46.29 1.30 -21.30	47.02 1.18 -25.87	46.51 1.01 -28.37	46.17 1.00 -29.15	46.14 1.31 -25.03	46.84 1.75 -17.74	63.06 1.82 -33.43	47.06 2.29 -10.83	90.06 2.59 -50.47	141.43 2.49 -102.53	84.84 2.35 -48.27	54.56 2.08 -21.40	66.56 1.52 -41.36	47.31 1.73 -19.03	46.97 1.66 -18.37
ARTHUR_KILL_3 23513	47.47 0.58 -33.04	46.48 0.75 -26.58	45.85 1.07 -18.37	46.00 0.99 -20.82	46.46 0.74 -28.03	46.78 0.64 -30.03	46.64 0.97 -21.23	47.01 0.94 -25.20	47.04 1.18 -19.15	47.18 1.07 -22.42	47.85 1.01 -26.87	47.30 0.88 -29.30	46.97 0.88 -30.07	47.14 1.16 -26.18	47.59 1.56 -18.67	64.63 1.62 -35.19	47.34 2.00 -11.40	92.43 2.30 -53.14	146.53 2.18 -107.95	87.02 1.99 -50.82	55.32 1.72 -22.53	68.49 1.27 -43.54	47.97 1.39 -20.03	47.56 1.27 -19.34



ARTHUR_KILL_COGEN 323718	46.03 0.78 -31.39	45.58 1.05 -25.40	45.36 1.50 -17.45	45.36 1.39 -19.78	45.34 1.02 -26.62	45.53 0.89 -28.53	45.96 1.36 -20.16	46.06 1.26 -23.94	46.44 1.54 -18.19	46.36 1.38 -21.30	47.08 1.24 -25.87	46.55 1.05 -28.37	46.20 1.03 -29.15	46.19 1.35 -25.03	46.92 1.82 -17.74	63.15 1.90 -33.43	47.17 2.40 -10.83	90.17 2.70 -50.47	141.54 2.61 -102.53	84.95 2.45 -48.27	54.65 2.18 -21.40	66.63 1.59 -41.36	47.39 1.81 -19.03	47.04 1.73 -18.37
ASHOKAN____ 23654	14.84 0.98 0.00	20.44 1.29 0.00	28.13 1.73 0.00	25.77 1.57 0.00	18.84 1.15 0.00	17.18 1.07 0.00	26.18 1.74 0.00	22.50 1.64 0.00	28.81 2.10 0.00	25.56 1.87 0.00	21.43 1.46 0.00	18.24 1.12 0.00	17.06 1.04 0.00	21.19 1.39 0.00	29.51 2.16 0.00	30.16 2.35 0.00	37.10 3.17 0.00	40.73 3.74 0.00	40.05 3.65 0.00	37.59 3.38 0.00	34.01 2.93 0.00	25.80 2.13 0.00	28.85 2.30 0.00	29.10 2.16 0.00
ASTORIA_EAST_ENERGY_CC1 323581	14.53 0.68 0.00	20.02 0.88 0.00	27.60 1.20 0.00	25.30 1.10 0.00	18.52 0.83 0.00	16.82 0.71 0.00	25.54 1.10 0.00	21.92 1.06 0.00	28.00 1.29 0.00	24.82 1.13 0.00	26.27 1.11 -5.20	26.20 0.95 -8.14	27.40 0.98 -10.40	24.50 1.26 -3.44	28.96 1.61 0.00	29.49 1.68 0.00	36.04 2.09 0.00	39.41 2.42 0.00	38.70 2.30 0.00	36.30 2.08 0.00	32.94 1.85 0.00	25.03 1.35 0.00	28.01 1.46 0.00	28.34 1.39 0.00
ASTORIA_EAST_ENERGY_CC2 323582	14.53 0.68 0.00	20.02 0.88 0.00	27.60 1.20 0.00	25.30 1.10 0.00	18.52 0.83 0.00	16.82 0.71 0.00	25.54 1.10 0.00	21.92 1.06 0.00	28.00 1.29 0.00	24.82 1.13 0.00	26.27 1.11 -5.20	26.20 0.95 -8.14	27.40 0.98 -10.40	24.50 1.25 -3.44	28.96 1.61 0.00	29.49 1.68 0.00	36.04 2.09 0.00	39.41 2.42 0.00	38.70 2.30 0.00	36.30 2.08 0.00	32.94 1.85 0.00	25.03 1.35 0.00	28.01 1.46 0.00	28.34 1.39 0.00
ASTORIA_GT2_1 24094	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT2_2 24095	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT2_3 24096	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT2_4 24097	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT3_1 24098	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT3_2 24099	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT3_3 24100	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT3_4 24101	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT4_1 24102	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT4_2 24103	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT4_3 24104	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00



ASTORIA_GT4_4 24105	14.55 0.69 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.31 1.11 0.00	18.53 0.84 0.00	16.83 0.71 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.15 0.00	26.28 1.12 -5.20	26.22 0.96 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.99 1.64 0.00	29.52 1.71 0.00	36.06 2.12 0.00	39.45 2.45 0.00	38.73 2.33 0.00	36.34 2.12 0.00	32.95 1.87 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA_GT_1 23523	14.56 0.70 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.15 0.00	18.55 0.86 0.00	16.86 0.74 0.00	25.60 1.15 0.00	21.97 1.10 0.00	28.06 1.35 0.00	24.87 1.19 0.00	26.32 1.15 -5.20	26.25 0.99 -8.14	27.44 1.02 -10.40	24.55 1.30 -3.44	29.02 1.67 0.00	29.57 1.75 0.00	36.12 2.18 0.00	39.50 2.51 0.00	38.78 2.38 0.00	36.39 2.17 0.00	33.00 1.92 0.00	25.09 1.41 0.00	28.08 1.52 0.00	28.39 1.44 0.00
ASTORIA_GT_10 24110	14.58 0.73 0.00	20.09 0.95 0.00	27.71 1.31 0.00	25.40 1.21 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	22.00 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.24 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.87 0.00	36.19 2.25 0.00	39.57 2.58 0.00	38.86 2.46 0.00	36.47 2.26 0.00	33.06 1.98 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.47 1.52 0.00
ASTORIA_GT_11 24225	14.58 0.73 0.00	20.09 0.95 0.00	27.71 1.31 0.00	25.40 1.21 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	22.00 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.24 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.87 0.00	36.19 2.25 0.00	39.57 2.58 0.00	38.86 2.46 0.00	36.47 2.26 0.00	33.06 1.98 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.47 1.52 0.00
ASTORIA_GT_12 24226	14.58 0.73 0.00	20.09 0.95 0.00	27.71 1.31 0.00	25.40 1.21 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	22.00 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.24 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.87 0.00	36.19 2.25 0.00	39.57 2.58 0.00	38.86 2.46 0.00	36.47 2.26 0.00	33.06 1.98 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.47 1.52 0.00
ASTORIA_GT_13 24227	14.58 0.73 0.00	20.09 0.95 0.00	27.71 1.31 0.00	25.40 1.21 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	22.00 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.24 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.87 0.00	36.19 2.25 0.00	39.57 2.58 0.00	38.86 2.46 0.00	36.47 2.26 0.00	33.06 1.98 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.47 1.52 0.00
ASTORIA_GT_5 24106	14.57 0.71 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.86 0.74 0.00	25.60 1.16 0.00	21.97 1.11 0.00	28.06 1.35 0.00	24.87 1.19 0.00	26.32 1.16 -5.20	26.25 0.99 -8.14	27.44 1.02 -10.40	24.55 1.30 -3.44	29.04 1.69 0.00	29.58 1.76 0.00	36.12 2.19 0.00	39.51 2.52 0.00	38.79 2.39 0.00	36.40 2.18 0.00	33.01 1.93 0.00	25.08 1.41 0.00	28.08 1.52 0.00	28.39 1.45 0.00
ASTORIA_GT_7 24107	14.57 0.71 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.86 0.74 0.00	25.60 1.16 0.00	21.97 1.11 0.00	28.06 1.35 0.00	24.87 1.19 0.00	26.32 1.16 -5.20	26.25 0.99 -8.14	27.44 1.02 -10.40	24.55 1.30 -3.44	29.04 1.69 0.00	29.58 1.76 0.00	36.12 2.19 0.00	39.51 2.52 0.00	38.79 2.39 0.00	36.40 2.18 0.00	33.01 1.93 0.00	25.08 1.41 0.00	28.08 1.52 0.00	28.39 1.45 0.00
ASTORIA_GT_8 24108	14.57 0.71 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.86 0.74 0.00	25.60 1.16 0.00	21.97 1.11 0.00	28.06 1.35 0.00	24.87 1.19 0.00	26.32 1.16 -5.20	26.25 0.99 -8.14	27.44 1.02 -10.40	24.55 1.30 -3.44	29.04 1.69 0.00	29.58 1.76 0.00	36.12 2.19 0.00	39.51 2.52 0.00	38.79 2.39 0.00	36.40 2.18 0.00	33.01 1.93 0.00	25.08 1.41 0.00	28.08 1.52 0.00	28.39 1.45 0.00
ASTORIA___2 24149	14.54 0.68 0.00	20.03 0.89 0.00	27.61 1.21 0.00	25.30 1.11 0.00	18.53 0.84 0.00	16.83 0.72 0.00	25.55 1.11 0.00	21.93 1.07 0.00	28.01 1.30 0.00	24.83 1.14 0.00	26.28 1.11 -5.20	26.21 0.96 -8.14	27.41 0.98 -10.40	24.51 1.26 -3.44	28.97 1.62 0.00	29.51 1.69 0.00	36.05 2.11 0.00	39.43 2.44 0.00	38.72 2.32 0.00	36.32 2.11 0.00	32.94 1.86 0.00	25.04 1.36 0.00	28.03 1.47 0.00	28.35 1.40 0.00
ASTORIA___3 23516	14.58 0.72 0.00	20.09 0.94 0.00	27.72 1.31 0.00	25.40 1.20 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	21.99 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.23 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.14 1.79 0.00	29.67 1.86 0.00	36.19 2.25 0.00	39.55 2.56 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.05 1.97 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.46 1.52 0.00
ASTORIA___4 23517	14.58 0.73 0.00	20.09 0.95 0.00	27.71 1.31 0.00	25.40 1.21 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	22.00 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.24 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.87 0.00	36.19 2.25 0.00	39.57 2.58 0.00	38.86 2.46 0.00	36.47 2.26 0.00	33.06 1.98 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.47 1.52 0.00
ASTORIA___5 23518	14.58 0.72 0.00	20.09 0.94 0.00	27.72 1.31 0.00	25.40 1.20 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	21.99 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.23 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.15 1.79 0.00	29.67 1.86 0.00	36.19 2.25 0.00	39.55 2.56 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.05 1.97 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.46 1.52 0.00
AST_ENERGY_2_CC3 323677	14.50 0.64 0.00	19.98 0.84 0.00	27.57 1.17 0.00	25.28 1.09 0.00	18.50 0.81 0.00	16.81 0.70 0.00	25.47 1.02 0.00	21.85 0.98 0.00	27.93 1.22 0.00	24.80 1.12 0.00	26.25 1.08 -5.20	26.19 0.93 -8.14	27.38 0.95 -10.41	24.48 1.23 -3.45	28.98 1.62 0.00	29.47 1.66 0.00	35.99 2.05 0.00	39.33 2.34 0.00	38.63 2.23 0.00	36.25 2.03 0.00	32.85 1.77 0.00	24.99 1.31 0.00	27.98 1.43 0.00	28.27 1.33 0.00
AST_ENERGY_2_CC4 323678	14.50 0.64 0.00	19.98 0.84 0.00	27.57 1.17 0.00	25.28 1.09 0.00	18.50 0.81 0.00	16.81 0.70 0.00	25.47 1.02 0.00	21.85 0.98 0.00	27.93 1.22 0.00	24.80 1.12 0.00	26.25 1.08 -5.20	26.19 0.93 -8.14	27.38 0.95 -10.41	24.48 1.23 -3.45	28.98 1.62 0.00	29.47 1.66 0.00	35.99 2.05 0.00	39.33 2.34 0.00	38.63 2.23 0.00	36.25 2.03 0.00	32.85 1.77 0.00	24.99 1.31 0.00	27.98 1.43 0.00	28.27 1.33 0.00



ATHENS_STG_1 23668	14.24 0.38 0.00	19.66 0.52 0.00	27.13 0.72 0.00	24.87 0.67 0.00	18.16 0.47 0.00	16.53 0.42 0.00	25.09 0.65 0.00	21.50 0.64 0.00	27.50 0.79 0.00	24.38 0.70 0.00	22.49 0.62 -1.89	20.63 0.54 -2.97	20.32 0.51 -3.79	21.72 0.67 -1.26	28.27 0.91 0.00	28.78 0.96 0.00	35.09 1.15 0.00	38.31 1.31 0.00	37.68 1.28 0.00	35.39 1.18 0.00	32.11 1.04 0.00	24.46 0.79 0.00	27.42 0.87 0.00	27.77 0.82 0.00
ATHENS_STG_2 23670	14.24 0.38 0.00	19.66 0.52 0.00	27.13 0.72 0.00	24.87 0.67 0.00	18.16 0.47 0.00	16.53 0.42 0.00	25.09 0.65 0.00	21.50 0.64 0.00	27.50 0.79 0.00	24.38 0.70 0.00	22.49 0.62 -1.89	20.63 0.54 -2.97	20.32 0.51 -3.79	21.72 0.67 -1.26	28.27 0.91 0.00	28.78 0.96 0.00	35.09 1.15 0.00	38.31 1.31 0.00	37.68 1.28 0.00	35.39 1.18 0.00	32.11 1.04 0.00	24.46 0.79 0.00	27.42 0.87 0.00	27.77 0.82 0.00
ATHENS_STG_3 23677	14.24 0.38 0.00	19.66 0.52 0.00	27.13 0.72 0.00	24.87 0.67 0.00	18.16 0.47 0.00	16.53 0.42 0.00	25.09 0.65 0.00	21.50 0.64 0.00	27.50 0.79 0.00	24.38 0.70 0.00	22.49 0.62 -1.89	20.63 0.54 -2.97	20.32 0.51 -3.79	21.72 0.67 -1.26	28.27 0.91 0.00	28.78 0.96 0.00	35.09 1.15 0.00	38.31 1.31 0.00	37.68 1.28 0.00	35.39 1.18 0.00	32.11 1.04 0.00	24.46 0.79 0.00	27.42 0.87 0.00	27.77 0.82 0.00
AUBURN___LFGE 323710	13.66 -0.19 0.00	18.81 -0.33 0.00	25.97 -0.44 0.00	23.75 -0.44 0.00	17.42 -0.27 0.00	15.88 -0.23 0.00	24.08 -0.36 0.00	20.48 -0.38 0.00	26.26 -0.45 0.00	23.27 -0.41 0.00	19.71 -0.26 0.00	16.96 -0.16 0.00	15.85 -0.17 0.00	19.64 -0.16 0.00	27.10 -0.25 0.00	27.53 -0.29 0.00	33.64 -0.30 0.00	36.53 -0.47 0.00	35.99 -0.41 0.00	33.80 -0.41 0.00	30.74 -0.34 0.00	23.35 -0.32 0.00	26.25 -0.31 0.00	26.68 -0.26 0.00
BABYLON_RES_REC 323704	14.86 1.01 0.00	20.29 1.14 0.00	27.97 1.57 0.00	25.77 1.57 0.00	18.87 1.18 0.00	17.11 1.00 0.00	25.99 1.55 0.00	22.45 1.58 0.00	28.59 1.88 0.00	25.35 1.66 0.00	26.74 1.59 -5.18	26.61 1.37 -8.11	27.53 1.13 -10.37	24.70 1.47 -3.43	29.42 2.06 0.00	29.96 2.14 0.00	36.72 2.78 0.00	40.26 3.27 0.00	39.59 3.18 0.00	37.20 2.99 0.00	33.67 2.60 0.00	25.60 1.92 0.00	28.65 2.10 0.00	28.87 1.93 0.00
BABYLON__69_KV_BK2 356345	15.02 1.16 0.00	20.49 1.35 0.00	28.25 1.85 0.00	26.03 1.84 0.00	19.05 1.36 0.00	17.29 1.18 0.00	26.26 1.82 0.00	22.68 1.82 0.00	28.90 2.19 0.00	25.62 1.93 0.00	26.97 1.82 -5.18	26.81 1.58 -8.11	27.70 1.30 -10.37	24.92 1.69 -3.43	29.73 2.38 0.00	30.30 2.48 0.00	37.16 3.22 0.00	40.78 3.79 0.00	40.09 3.69 0.00	37.69 3.47 0.00	34.10 3.02 0.00	25.90 2.23 0.00	28.99 2.43 0.00	29.20 2.25 0.00
BALL_HILL_WT_PWR 323825	12.45 -1.41 0.00	17.19 -1.96 0.00	23.83 -2.58 0.00	21.69 -2.51 0.00	15.81 -1.88 0.00	14.43 -1.69 0.00	22.11 -2.33 0.00	14.59 -2.35 3.93	12.91 -2.73 11.07	18.76 -2.38 2.54	11.49 -2.02 6.47	7.60 -1.67 7.86	4.94 -1.72 9.37	7.47 -2.03 10.30	12.36 -2.71 12.28	12.04 -2.88 12.90	15.87 -3.59 14.48	17.13 -4.20 15.66	17.10 -4.15 15.14	15.99 -3.70 14.52	14.60 -3.19 13.30	20.19 -2.63 0.85	24.25 -2.31 0.00	25.00 -1.94 0.00
BARON_WINDS___WT_PWR 323822	12.64 -1.21 0.00	17.52 -1.62 0.00	24.26 -2.14 0.00	22.15 -2.05 0.00	16.16 -1.52 0.00	14.72 -1.39 0.00	22.52 -1.93 0.00	-1.09 -1.88 20.07	-32.78 -2.37 57.12	8.35 -2.13 13.20	-15.55 -1.89 33.63	-25.21 -1.48 40.86	-33.92 -1.39 48.56	-35.26 -1.67 53.40	-38.51 -2.23 63.64	-41.39 -2.35 66.85	-43.99 -2.87 75.06	-47.22 -3.04 81.17	-45.13 -3.04 78.49	-44.15 -3.09 75.28	-40.59 -2.75 68.92	17.07 -2.22 4.39	24.42 -2.14 0.00	25.08 -1.87 0.00
BARRETT_IC_1 23704	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_10 23701	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_11 23702	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_12 23703	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_2 23705	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_3 23706	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_4 23707	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00



BARRETT_IC_5 23708	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_6 23709	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_7 23710	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.48 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.07 1.38 0.00	26.48 1.33 -5.18	26.38 1.14 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.13 1.78 0.00	29.64 1.82 0.00	36.29 2.35 0.00	39.73 2.74 0.00	39.04 2.64 0.00	36.69 2.47 0.00	33.21 2.13 0.00	25.24 1.57 0.00	28.27 1.72 0.00	28.54 1.59 0.00
BARRETT_IC_8 23711	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT_IC_9 23700	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT___1 23545	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BARRETT___2 23546	14.67 0.81 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.49 1.29 0.00	18.66 0.97 0.00	16.94 0.83 0.00	25.69 1.25 0.00	22.18 1.32 0.00	28.27 1.56 0.00	25.06 1.38 0.00	26.48 1.33 -5.18	26.37 1.13 -8.11	27.37 0.98 -10.37	24.50 1.27 -3.43	29.12 1.77 0.00	29.63 1.81 0.00	36.28 2.34 0.00	39.73 2.74 0.00	39.03 2.63 0.00	36.69 2.47 0.00	33.20 2.13 0.00	25.24 1.57 0.00	28.27 1.71 0.00	28.54 1.59 0.00
BATAVIA__115KV_TB1 55881	12.88 -0.98 0.00	17.76 -1.38 0.00	24.59 -1.81 0.00	22.39 -1.80 0.00	16.38 -1.31 0.00	14.98 -1.14 0.00	22.94 -1.50 0.00	17.34 -1.59 1.93	19.53 -1.77 5.41	20.89 -1.54 1.26	15.52 -1.31 3.15	12.21 -1.07 3.85	10.18 -1.19 4.65	13.34 -1.34 5.12	19.47 -1.78 6.10	19.48 -1.93 6.41	24.40 -2.34 7.20	26.41 -2.80 7.78	26.11 -2.76 7.53	24.50 -2.50 7.22	22.30 -2.17 6.61	21.38 -1.88 0.42	24.90 -1.66 0.00	25.51 -1.44 0.00
BAYONEEC___CTG1 323682	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG10 323750	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG2 323683	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG3 323684	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG4 323685	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG5 323686	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG6 323687	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00



BAYONEEC___CTG7 323688	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG8 323689	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BAYONEEC___CTG9 323749	14.50 0.65 0.00	19.99 0.85 0.00	27.59 1.19 0.00	25.29 1.10 0.00	18.51 0.82 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.04 0.00	28.01 1.30 0.00	24.86 1.17 0.00	26.29 1.12 -5.20	26.23 0.96 -8.14	27.39 0.96 -10.41	24.49 1.24 -3.45	29.04 1.68 0.00	29.55 1.73 0.00	36.08 2.14 0.00	39.45 2.45 0.00	38.74 2.34 0.00	36.36 2.14 0.00	32.92 1.84 0.00	25.05 1.37 0.00	28.06 1.50 0.00	28.34 1.40 0.00
BEACON___LESR 323632	14.43 0.57 0.00	19.90 0.76 0.00	27.47 1.07 0.00	25.15 0.96 0.00	18.38 0.69 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.88 1.01 0.00	27.93 1.22 0.00	24.73 1.04 0.00	22.14 0.82 -1.35	19.91 0.68 -2.11	19.33 0.60 -2.70	21.51 0.81 -0.89	28.59 1.23 0.00	29.10 1.28 0.00	35.50 1.56 0.00	38.78 1.79 0.00	38.08 1.67 0.00	35.84 1.62 0.00	32.55 1.47 0.00	24.76 1.09 0.00	27.82 1.27 0.00	28.17 1.23 0.00
BEAVER RIVER___HYD 24048	13.22 -0.64 0.00	18.28 -0.86 0.00	25.10 -1.30 0.00	23.09 -1.10 0.00	16.89 -0.81 0.00	15.45 -0.66 0.00	23.41 -1.04 0.00	20.29 -0.57 0.00	26.25 -0.46 0.00	22.93 -0.76 0.00	19.20 -0.77 0.00	16.58 -0.54 0.00	15.41 -0.61 0.00	18.97 -0.83 0.00	26.38 -0.97 0.00	26.92 -0.90 0.00	32.86 -1.08 0.00	35.54 -1.45 0.00	35.02 -1.38 0.00	32.88 -1.34 0.00	29.79 -1.28 0.00	22.61 -1.06 0.00	25.29 -1.27 0.00	25.64 -1.31 0.00
BEEBEE_GT_13 23619	13.05 -0.80 0.00	18.00 -1.14 0.00	24.90 -1.51 0.00	22.70 -1.49 0.00	16.60 -1.09 0.00	15.15 -0.97 0.00	23.09 -1.35 0.00	19.50 -1.36 0.00	25.09 -1.62 0.00	22.30 -1.39 0.00	18.81 -1.17 0.00	16.17 -0.95 0.00	15.02 -1.00 0.00	18.66 -1.15 0.00	25.80 -1.56 0.00	26.14 -1.68 0.00	31.92 -2.02 0.00	34.62 -2.38 0.00	34.04 -2.36 0.00	32.06 -2.16 0.00	29.18 -1.90 0.00	22.15 -1.52 0.00	25.13 -1.43 0.00	25.65 -1.29 0.00
BENSHRST_27_KV_BENSHRST_1 355998	46.12 0.87 -31.39	45.69 1.15 -25.40	45.45 1.59 -17.45	45.43 1.47 -19.78	45.39 1.08 -26.62	45.60 0.96 -28.53	46.07 1.47 -20.16	46.18 1.38 -23.94	46.64 1.74 -18.19	46.54 1.55 -21.30	47.27 1.43 -25.87	46.73 1.23 -28.37	46.37 1.21 -29.15	46.40 1.55 -25.03	47.20 2.11 -17.74	63.43 2.18 -33.43	47.45 2.68 -10.83	90.50 3.04 -50.47	141.85 2.92 -102.53	85.20 2.71 -48.27	54.87 2.40 -21.40	66.82 1.78 -41.36	47.55 1.96 -19.03	47.17 1.86 -18.37
BETHLEHEM___GRP 23843	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.54 -1.34	19.68 0.45 -2.10	19.11 0.41 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.89 0.95 0.00	38.06 1.07 0.00	37.43 1.03 0.00	35.18 0.96 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
BETHLEHEM___GS1 323560	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.53 -1.34	19.67 0.44 -2.10	19.11 0.40 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.88 0.94 0.00	38.05 1.05 0.00	37.43 1.02 0.00	35.17 0.95 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
BETHLEHEM___GS2 323561	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.53 -1.34	19.67 0.44 -2.10	19.11 0.40 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.88 0.94 0.00	38.05 1.05 0.00	37.43 1.02 0.00	35.17 0.95 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
BETHLEHEM___GS3 323562	14.25 0.40 0.00	19.68 0.54 0.00	27.13 0.73 0.00	24.87 0.67 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.67 0.00	21.53 0.66 0.00	27.55 0.85 0.00	24.40 0.71 0.00	21.85 0.53 -1.34	19.67 0.44 -2.10	19.11 0.40 -2.69	21.23 0.54 -0.89	28.09 0.74 0.00	28.64 0.82 0.00	34.88 0.94 0.00	38.05 1.05 0.00	37.43 1.02 0.00	35.17 0.95 0.00	31.96 0.88 0.00	24.36 0.69 0.00	27.33 0.77 0.00	27.79 0.84 0.00
BETHLEHEM___STEEL 23779	12.58 -1.28 0.00	17.36 -1.78 0.00	24.05 -2.35 0.00	21.87 -2.32 0.00	15.97 -1.72 0.00	14.57 -1.54 0.00	22.31 -2.13 0.00	15.05 -2.19 3.62	13.89 -2.58 10.24	19.07 -2.25 2.37	12.06 -1.92 6.00	8.24 -1.58 7.30	5.66 -1.64 8.72	8.32 -1.90 9.59	13.36 -2.56 11.43	13.06 -2.75 12.01	17.09 -3.38 13.48	18.44 -3.98 14.58	18.40 -3.90 14.10	17.15 -3.54 13.52	15.63 -3.07 12.38	20.37 -2.52 0.79	24.29 -2.26 0.00	25.02 -1.93 0.00
BETHLHEM_115KV_TB1 79974	14.24 0.39 0.00	19.67 0.53 0.00	27.12 0.71 0.00	24.86 0.66 0.00	18.16 0.47 0.00	16.53 0.42 0.00	25.10 0.66 0.00	21.52 0.66 0.00	27.53 0.82 0.00	24.38 0.70 0.00	21.85 0.54 -1.34	19.67 0.45 -2.10	19.11 0.41 -2.68	21.24 0.55 -0.89	28.10 0.75 0.00	28.65 0.83 0.00	34.91 0.97 0.00	38.09 1.09 0.00	37.46 1.06 0.00	35.19 0.98 0.00	31.98 0.90 0.00	24.37 0.69 0.00	27.33 0.78 0.00	27.77 0.83 0.00
BETHPAGE_CC_5 323564	14.78 0.93 0.00	20.20 1.06 0.00	27.85 1.45 0.00	25.65 1.46 0.00	18.78 1.09 0.00	17.05 0.93 0.00	25.86 1.42 0.00	22.32 1.45 0.00	28.43 1.72 0.00	25.22 1.53 0.00	26.62 1.47 -5.18	26.51 1.27 -8.11	27.47 1.07 -10.37	24.63 1.39 -3.43	29.28 1.93 0.00	29.76 1.94 0.00	36.45 2.51 0.00	39.93 2.93 0.00	39.24 2.84 0.00	36.89 2.67 0.00	33.41 2.33 0.00	25.44 1.77 0.00	28.51 1.95 0.00	28.76 1.81 0.00
BIGTREE_115_KV_TB2_REV_LBMP_A 345034	12.62 -1.23 0.00	17.44 -1.70 0.00	24.15 -2.25 0.00	21.97 -2.22 0.00	16.04 -1.65 0.00	14.64 -1.47 0.00	22.40 -2.04 0.00	15.38 -2.10 3.39	14.66 -2.45 9.60	19.33 -2.13 2.22	12.53 -1.82 5.63	8.78 -1.49 6.85	6.29 -1.55 8.18	9.03 -1.78 9.00	14.22 -2.40 10.73	13.96 -2.59 11.27	18.12 -3.17 12.65	19.56 -3.75 13.68	19.46 -3.71 13.23	18.16 -3.37 12.69	16.56 -2.90 11.62	20.54 -2.39 0.74	24.42 -2.14 0.00	25.14 -1.81 0.00



BINGHAMTON___COGEN 23790	13.59 -0.27 0.00	18.80 -0.34 0.00	26.01 -0.39 0.00	23.79 -0.40 0.00	17.37 -0.32 0.00	15.83 -0.28 0.00	24.10 -0.34 0.00	20.51 -0.36 0.00	26.27 -0.44 0.00	23.26 -0.42 0.00	18.99 -0.40 0.58	15.94 -0.27 0.91	14.60 -0.25 1.17	19.17 -0.24 0.39	27.05 -0.30 0.00	27.43 -0.39 0.00	33.48 -0.46 0.00	36.44 -0.55 0.00	35.85 -0.55 0.00	33.63 -0.58 0.00	30.56 -0.52 0.00	23.21 -0.47 0.00	26.12 -0.43 0.00	26.56 -0.38 0.00
BIXINCNT_115KV_LOAD 355685	12.37 -1.49 0.00	17.22 -1.92 0.00	23.83 -2.57 0.00	21.66 -2.54 0.00	15.79 -1.90 0.00	14.50 -1.61 0.00	22.11 -2.33 0.00	16.34 -2.37 2.16	17.75 -2.77 6.19	19.83 -2.41 1.45	14.25 -2.06 3.67	11.00 -1.67 4.46	9.03 -1.66 5.33	12.07 -1.86 5.87	17.90 -2.46 6.99	17.96 -2.51 7.35	22.54 -3.15 8.25	24.39 -3.69 8.92	23.72 -4.06 8.63	22.20 -3.75 8.27	20.45 -3.06 7.57	20.81 -2.38 0.48	24.39 -2.17 0.00	25.22 -1.73 0.00
BLACK RIVER___HYD 24047	13.15 -0.71 0.00	18.17 -0.98 0.00	24.91 -1.49 0.00	22.93 -1.26 0.00	16.73 -0.96 0.00	15.33 -0.78 0.00	23.32 -1.12 0.00	20.24 -0.63 0.00	26.19 -0.52 0.00	22.82 -0.86 0.00	19.24 -0.73 0.00	16.66 -0.46 0.00	15.44 -0.57 0.00	19.03 -0.77 0.00	26.47 -0.88 0.00	27.03 -0.79 0.00	33.05 -0.89 0.00	35.61 -1.39 0.00	35.05 -1.36 0.00	32.89 -1.33 0.00	29.80 -1.27 0.00	22.61 -1.07 0.00	25.25 -1.31 0.00	25.53 -1.41 0.00
BLACKRVR_115KV_TB2 79977	13.15 -0.70 0.00	18.17 -0.97 0.00	24.91 -1.49 0.00	22.93 -1.26 0.00	16.73 -0.96 0.00	15.33 -0.78 0.00	23.32 -1.12 0.00	20.24 -0.63 0.00	26.19 -0.52 0.00	22.82 -0.86 0.00	19.24 -0.73 0.00	16.66 -0.46 0.00	15.44 -0.57 0.00	19.03 -0.77 0.00	26.47 -0.89 0.00	27.03 -0.79 0.00	33.05 -0.89 0.00	35.61 -1.39 0.00	35.05 -1.36 0.00	32.89 -1.33 0.00	29.80 -1.27 0.00	22.61 -1.07 0.00	25.25 -1.31 0.00	25.53 -1.41 0.00
BLISS_WT_PWR 323608	12.22 -1.64 0.00	17.03 -2.11 0.00	23.56 -2.84 0.00	21.40 -2.80 0.00	15.59 -2.09 0.00	14.35 -1.77 0.00	21.87 -2.57 0.00	16.13 -2.58 2.16	17.51 -3.01 6.19	19.61 -2.63 1.45	14.07 -2.24 3.67	10.85 -1.81 4.46	8.90 -1.79 5.33	11.91 -2.02 5.87	17.73 -2.63 6.99	17.83 -2.64 7.35	22.36 -3.33 8.25	24.24 -3.83 8.92	23.46 -4.31 8.63	21.96 -3.99 8.27	20.29 -3.21 7.57	20.69 -2.50 0.48	24.23 -2.33 0.00	25.10 -1.85 0.00
BLUESTONE___WT_PWR 323821	13.21 -0.65 0.00	18.40 -0.75 0.00	25.70 -0.70 0.00	23.46 -0.73 0.00	17.07 -0.61 0.00	16.04 -0.07 0.00	24.69 0.25 0.00	20.84 -0.02 0.00	26.22 -0.49 0.00	23.17 -0.52 0.00	18.95 -0.41 0.61	15.84 -0.32 0.96	14.49 -0.30 1.23	19.20 -0.19 0.41	27.46 0.11 0.00	27.92 0.10 0.00	34.37 0.43 0.00	37.34 0.34 0.00	36.61 0.21 0.00	34.28 0.06 0.00	31.36 0.28 0.00	23.38 -0.29 0.00	26.10 -0.46 0.00	26.93 -0.01 0.00
BLUE_CIRC_CHEM_DRP 24182	14.29 0.44 0.00	19.75 0.61 0.00	27.24 0.84 0.00	24.97 0.78 0.00	18.23 0.55 0.00	16.61 0.50 0.00	25.21 0.77 0.00	21.60 0.73 0.00	27.63 0.93 0.00	24.47 0.78 0.00	21.74 0.61 -1.16	19.44 0.50 -1.81	18.79 0.45 -2.32	21.17 0.61 -0.77	28.21 0.85 0.00	28.79 0.97 0.00	35.14 1.20 0.00	38.34 1.34 0.00	37.70 1.30 0.00	35.43 1.21 0.00	32.18 1.10 0.00	24.52 0.84 0.00	27.49 0.93 0.00	27.90 0.96 0.00
BOC_GAS_DRP 24189	14.19 0.33 0.00	19.60 0.45 0.00	27.03 0.63 0.00	24.77 0.58 0.00	18.10 0.40 0.00	16.47 0.36 0.00	25.00 0.56 0.00	21.42 0.55 0.00	27.40 0.69 0.00	24.28 0.60 0.00	21.78 0.50 -1.31	19.60 0.43 -2.05	19.04 0.40 -2.62	21.19 0.52 -0.87	28.07 0.72 0.00	28.59 0.78 0.00	34.85 0.91 0.00	38.03 1.04 0.00	37.40 1.00 0.00	35.15 0.93 0.00	31.92 0.84 0.00	24.32 0.64 0.00	27.27 0.71 0.00	27.66 0.71 0.00
BOONVILLE_115KV_TB1 79983	13.75 -0.11 0.00	19.01 -0.13 0.00	26.17 -0.23 0.00	24.02 -0.18 0.00	17.56 -0.12 0.00	16.05 -0.06 0.00	24.40 -0.04 0.00	21.00 0.13 0.00	27.04 0.33 0.00	23.78 0.10 0.00	19.99 0.02 0.00	17.20 0.07 0.00	16.03 0.01 0.00	19.78 -0.02 0.00	27.45 0.09 0.00	27.97 0.16 0.00	34.14 0.20 0.00	37.11 0.12 0.00	36.51 0.11 0.00	34.28 0.06 0.00	31.09 0.01 0.00	23.61 -0.06 0.00	26.43 -0.12 0.00	26.77 -0.18 0.00
BORALEX_4TH_BRANCH 23824	14.62 0.76 0.00	20.13 0.99 0.00	27.75 1.34 0.00	25.46 1.26 0.00	18.59 0.90 0.00	16.94 0.83 0.00	25.73 1.29 0.00	22.12 1.26 0.00	28.32 1.61 0.00	25.14 1.45 0.00	22.76 1.22 -1.57	20.61 1.03 -2.45	20.09 0.93 -3.14	22.01 1.17 -1.04	28.96 1.60 0.00	29.52 1.71 0.00	36.08 2.13 0.00	39.37 2.37 0.00	38.75 2.35 0.00	36.42 2.20 0.00	33.05 1.97 0.00	25.15 1.48 0.00	28.17 1.61 0.00	28.45 1.50 0.00
BOWLINE___1 23526	14.41 0.55 0.00	19.87 0.73 0.00	27.44 1.04 0.00	25.15 0.96 0.00	18.40 0.71 0.00	16.73 0.62 0.00	25.42 0.97 0.00	21.77 0.90 0.00	27.82 1.11 0.00	24.67 0.99 0.00	10.58 0.91 10.30	1.76 0.78 16.14	-3.87 0.75 20.64	13.95 0.98 6.83	28.74 1.39 0.00	29.27 1.45 0.00	35.77 1.82 0.00	39.09 2.10 0.00	38.40 2.00 0.00	36.06 1.84 0.00	32.67 1.59 0.00	24.84 1.16 0.00	27.84 1.28 0.00	28.13 1.19 0.00
BOWLINE___2 23595	14.41 0.55 0.00	19.87 0.73 0.00	27.44 1.04 0.00	25.15 0.96 0.00	18.40 0.71 0.00	16.73 0.62 0.00	25.42 0.97 0.00	21.77 0.90 0.00	27.82 1.11 0.00	24.67 0.99 0.00	10.57 0.91 10.31	1.76 0.78 16.15	-3.87 0.75 20.65	13.95 0.99 6.83	28.74 1.39 0.00	29.27 1.45 0.00	35.77 1.82 0.00	39.09 2.10 0.00	38.40 2.00 0.00	36.07 1.85 0.00	32.67 1.59 0.00	24.84 1.16 0.00	27.84 1.28 0.00	28.13 1.19 0.00
BRADY___115KV_TB2 356060	14.01 0.16 0.00	19.45 0.31 0.00	26.80 0.40 0.00	24.60 0.40 0.00	18.02 0.33 0.00	16.41 0.29 0.00	24.86 0.42 0.00	21.23 0.37 0.00	27.13 0.42 0.00	24.03 0.35 0.00	20.22 0.25 0.00	17.25 0.12 0.00	16.21 0.19 0.00	19.97 0.16 0.00	27.68 0.33 0.00	28.17 0.35 0.00	34.39 0.45 0.00	37.30 0.30 0.00	36.92 0.52 0.00	34.75 0.53 0.00	31.57 0.50 0.00	23.99 0.31 0.00	26.90 0.35 0.00	27.41 0.46 0.00
BRANSCOMB___SOLAR 323811	14.44 0.59 0.00	19.90 0.76 0.00	27.43 1.02 0.00	25.13 0.94 0.00	18.36 0.67 0.00	16.74 0.62 0.00	25.46 1.02 0.00	21.85 0.99 0.00	27.98 1.27 0.00	24.83 1.14 0.00	22.21 0.94 -1.30	19.94 0.78 -2.04	19.30 0.68 -2.61	21.49 0.82 -0.86	28.60 1.25 0.00	29.18 1.36 0.00	35.68 1.73 0.00	38.97 1.98 0.00	38.32 1.92 0.00	36.00 1.78 0.00	32.65 1.57 0.00	24.82 1.15 0.00	27.79 1.23 0.00	28.11 1.16 0.00
BRENTWOD_69_KV_W. BRTWOOD 56703	15.00 1.14 0.00	20.46 1.32 0.00	28.20 1.80 0.00	26.00 1.80 0.00	19.02 1.33 0.00	17.25 1.14 0.00	26.20 1.76 0.00	22.62 1.76 0.00	28.82 2.11 0.00	25.54 1.85 0.00	26.93 1.78 -5.18	26.78 1.55 -8.11	27.66 1.27 -10.37	24.88 1.64 -3.43	29.64 2.29 0.00	30.21 2.40 0.00	37.06 3.12 0.00	40.61 3.62 0.00	39.93 3.53 0.00	37.55 3.33 0.00	33.99 2.91 0.00	25.82 2.14 0.00	28.89 2.33 0.00	29.11 2.17 0.00



BRISTLHL_115KV_TB1 79998	13.40 -0.45 0.00	18.51 -0.63 0.00	25.54 -0.86 0.00	23.39 -0.81 0.00	17.09 -0.60 0.00	15.57 -0.54 0.00	23.63 -0.81 0.00	20.12 -0.75 0.00	25.81 -0.90 0.00	22.87 -0.82 0.00	19.31 -0.66 0.00	16.59 -0.54 0.00	15.50 -0.52 0.00	19.19 -0.62 0.00	26.46 -0.90 0.00	26.89 -0.93 0.00	32.84 -1.10 0.00	35.76 -1.23 0.00	35.16 -1.25 0.00	33.04 -1.18 0.00	30.01 -1.07 0.00	22.88 -0.80 0.00	25.68 -0.88 0.00	26.07 -0.87 0.00
BROOKHAVEN___DRP 24191	14.94 1.08 0.00	20.36 1.22 0.00	28.07 1.67 0.00	25.88 1.68 0.00	18.94 1.25 0.00	17.19 1.08 0.00	26.12 1.68 0.00	22.57 1.70 0.00	28.72 2.01 0.00	25.47 1.78 0.00	26.89 1.74 -5.18	26.72 1.48 -8.11	27.58 1.18 -10.37	24.73 1.49 -3.43	29.47 2.12 0.00	30.11 2.29 0.00	36.94 3.00 0.00	40.56 3.57 0.00	39.87 3.47 0.00	37.47 3.25 0.00	33.89 2.81 0.00	25.77 2.09 0.00	28.81 2.26 0.00	29.00 2.06 0.00
BROOKLYN_NAVY_YARD 23515	14.48 0.63 0.00	19.97 0.82 0.00	27.55 1.15 0.00	25.26 1.06 0.00	18.48 0.80 0.00	16.80 0.69 0.00	25.48 1.04 0.00	21.86 0.99 0.00	27.95 1.24 0.00	24.81 1.12 0.00	26.25 1.08 -5.20	26.20 0.93 -8.14	27.36 0.93 -10.41	24.45 1.20 -3.45	28.95 1.60 0.00	29.46 1.64 0.00	35.97 2.03 0.00	39.32 2.33 0.00	38.63 2.23 0.00	36.25 2.03 0.00	32.83 1.75 0.00	24.98 1.30 0.00	27.97 1.42 0.00	28.25 1.31 0.00
BROOKLYN___ARMY_DRP 323595	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
BROOKVLE_69_KV_TB1 55790	14.76 0.90 0.00	20.24 1.10 0.00	27.90 1.50 0.00	25.66 1.46 0.00	18.78 1.09 0.00	17.06 0.95 0.00	25.89 1.45 0.00	22.30 1.43 0.00	28.37 1.66 0.00	25.19 1.50 0.00	26.61 1.46 -5.18	26.44 1.20 -8.11	27.47 1.08 -10.37	24.63 1.40 -3.43	29.30 1.95 0.00	29.82 2.00 0.00	36.48 2.54 0.00	39.92 2.92 0.00	39.21 2.81 0.00	36.84 2.62 0.00	33.36 2.28 0.00	25.37 1.69 0.00	28.41 1.85 0.00	28.74 1.80 0.00
BROOME_2_LFGE 323671	13.59 -0.27 0.00	18.80 -0.34 0.00	26.01 -0.39 0.00	23.79 -0.40 0.00	17.37 -0.32 0.00	15.83 -0.28 0.00	24.11 -0.33 0.00	20.50 -0.36 0.00	26.26 -0.45 0.00	23.26 -0.43 0.00	18.99 -0.40 0.58	15.93 -0.28 0.91	14.60 -0.25 1.17	19.17 -0.24 0.39	27.04 -0.32 0.00	27.42 -0.39 0.00	33.47 -0.47 0.00	36.43 -0.56 0.00	35.84 -0.56 0.00	33.62 -0.59 0.00	30.55 -0.53 0.00	23.21 -0.47 0.00	26.12 -0.43 0.00	26.56 -0.39 0.00
BROOME___LFGE 323600	13.59 -0.27 0.00	18.80 -0.34 0.00	26.01 -0.39 0.00	23.79 -0.40 0.00	17.37 -0.32 0.00	15.83 -0.28 0.00	24.11 -0.33 0.00	20.50 -0.36 0.00	26.26 -0.45 0.00	23.26 -0.43 0.00	18.99 -0.40 0.58	15.93 -0.28 0.91	14.60 -0.25 1.17	19.17 -0.24 0.39	27.04 -0.32 0.00	27.42 -0.39 0.00	33.47 -0.47 0.00	36.43 -0.56 0.00	35.84 -0.56 0.00	33.62 -0.59 0.00	30.55 -0.53 0.00	23.21 -0.47 0.00	26.12 -0.43 0.00	26.56 -0.39 0.00
BROWNFLS_115KV_TB_3_5 80003	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.54 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.94 0.00	26.90 -0.92 0.00	32.85 -1.09 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
BROWNSV1_27_KV_LOAD 356125	14.64 0.79 0.00	20.17 1.03 0.00	27.83 1.43 0.00	25.52 1.32 0.00	18.67 0.98 0.00	16.97 0.86 0.00	25.77 1.33 0.00	22.12 1.25 0.00	28.28 1.57 0.00	25.11 1.43 0.00	26.50 1.33 -5.20	26.41 1.15 -8.14	27.56 1.13 -10.41	24.70 1.46 -3.45	29.34 1.98 0.00	29.86 2.04 0.00	36.46 2.51 0.00	39.86 2.87 0.00	39.15 2.75 0.00	36.74 2.52 0.00	33.28 2.20 0.00	25.30 1.63 0.00	28.33 1.78 0.00	28.61 1.67 0.00
BURROWS___LYONSDAL 23803	13.58 -0.27 0.00	18.78 -0.36 0.00	25.84 -0.55 0.00	23.73 -0.46 0.00	17.36 -0.33 0.00	15.88 -0.23 0.00	24.11 -0.33 0.00	20.80 -0.06 0.00	26.85 0.14 0.00	23.56 -0.13 0.00	19.76 -0.22 0.00	17.01 -0.11 0.00	15.84 -0.17 0.00	19.54 -0.27 0.00	27.13 -0.22 0.00	27.67 -0.15 0.00	33.76 -0.18 0.00	36.65 -0.34 0.00	36.07 -0.33 0.00	33.87 -0.35 0.00	30.70 -0.38 0.00	23.31 -0.36 0.00	26.09 -0.46 0.00	26.43 -0.51 0.00
CAITHNESS_CC_1 323624	14.91 1.05 0.00	20.32 1.18 0.00	28.03 1.63 0.00	25.84 1.65 0.00	18.91 1.22 0.00	17.16 1.05 0.00	26.07 1.63 0.00	22.52 1.65 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.84 1.68 -5.18	26.69 1.45 -8.11	27.55 1.16 -10.37	24.71 1.47 -3.43	29.42 2.07 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.43 3.44 0.00	39.76 3.35 0.00	37.36 3.14 0.00	33.80 2.72 0.00	25.69 2.02 0.00	28.75 2.19 0.00	28.94 2.00 0.00
CALPINE BETH_PAGE_GT4 24209	14.80 0.95 0.00	20.23 1.09 0.00	27.89 1.49 0.00	25.68 1.49 0.00	18.80 1.11 0.00	17.07 0.96 0.00	25.89 1.45 0.00	22.35 1.48 0.00	28.47 1.76 0.00	25.25 1.56 0.00	26.64 1.49 -5.18	26.53 1.29 -8.11	27.49 1.09 -10.37	24.66 1.42 -3.43	29.32 1.97 0.00	29.76 1.94 0.00	36.45 2.51 0.00	39.94 2.94 0.00	39.24 2.84 0.00	36.90 2.68 0.00	33.41 2.33 0.00	25.48 1.80 0.00	28.53 1.98 0.00	28.78 1.84 0.00
CALPINE_BETH_PAGE_GT_4 323586	14.80 0.95 0.00	20.23 1.08 0.00	27.89 1.49 0.00	25.68 1.48 0.00	18.80 1.11 0.00	17.07 0.96 0.00	25.89 1.45 0.00	22.35 1.48 0.00	28.47 1.76 0.00	25.25 1.56 0.00	26.64 1.49 -5.18	26.53 1.29 -8.11	27.49 1.10 -10.37	24.66 1.42 -3.43	29.32 1.97 0.00	29.75 1.93 0.00	36.45 2.51 0.00	39.93 2.94 0.00	39.24 2.84 0.00	36.89 2.67 0.00	33.41 2.33 0.00	25.48 1.80 0.00	28.53 1.98 0.00	28.78 1.84 0.00
CALPINE_BP_GT1 23823	14.80 0.95 0.00	20.23 1.08 0.00	27.89 1.49 0.00	25.68 1.48 0.00	18.80 1.11 0.00	17.07 0.96 0.00	25.89 1.45 0.00	22.35 1.48 0.00	28.47 1.76 0.00	25.25 1.56 0.00	26.64 1.49 -5.18	26.53 1.29 -8.11	27.49 1.10 -10.37	24.66 1.42 -3.43	29.32 1.97 0.00	29.75 1.93 0.00	36.45 2.51 0.00	39.93 2.94 0.00	39.24 2.84 0.00	36.89 2.67 0.00	33.41 2.33 0.00	25.48 1.80 0.00	28.53 1.98 0.00	28.78 1.84 0.00
CALSPAN___DRP 24200	12.58 -1.28 0.00	17.36 -1.78 0.00	24.05 -2.35 0.00	21.87 -2.32 0.00	15.97 -1.72 0.00	14.57 -1.54 0.00	22.31 -2.13 0.00	15.05 -2.19 3.62	13.89 -2.58 10.24	19.07 -2.25 2.37	12.06 -1.92 6.00	8.24 -1.58 7.30	5.66 -1.64 8.72	8.32 -1.90 9.59	13.36 -2.56 11.43	13.06 -2.75 12.01	17.09 -3.38 13.48	18.44 -3.98 14.58	18.40 -3.90 14.10	17.15 -3.54 13.52	15.63 -3.07 12.38	20.37 -2.52 0.79	24.29 -2.26 0.00	25.02 -1.93 0.00



CALVERTON___SOLAR 323806	14.99 1.13 0.00	20.41 1.27 0.00	28.15 1.75 0.00	25.96 1.76 0.00	19.00 1.31 0.00	17.26 1.15 0.00	26.25 1.81 0.00	22.69 1.82 0.00	28.88 2.17 0.00	25.62 1.93 0.00	27.01 1.86 -5.18	26.81 1.57 -8.11	27.63 1.23 -10.37	24.78 1.54 -3.43	29.56 2.20 0.00	30.25 2.44 0.00	37.20 3.26 0.00	40.91 3.91 0.00	40.24 3.84 0.00	37.59 3.37 0.00	33.96 2.88 0.00	25.81 2.14 0.00	28.87 2.31 0.00	29.05 2.11 0.00
CANDIGU_WT_PWR 323617	12.64 -1.21 0.00	17.52 -1.62 0.00	24.26 -2.14 0.00	22.15 -2.05 0.00	16.16 -1.52 0.00	14.72 -1.39 0.00	22.52 -1.93 0.00	-1.09 -1.88 20.07	-32.78 -2.37 57.12	8.35 -2.13 13.20	-15.55 -1.89 33.63	-25.21 -1.48 40.86	-33.92 -1.39 48.56	-35.26 -1.67 53.40	-38.51 -2.23 63.64	-41.39 -2.35 66.85	-43.99 -2.87 75.06	-47.22 -3.04 81.17	-45.13 -3.04 78.49	-44.15 -3.09 75.28	-40.59 -2.75 68.92	17.07 -2.22 4.39	24.42 -2.14 0.00	25.08 -1.87 0.00
CARR STREET_E_SYR 24060	13.52 -0.33 0.00	18.69 -0.45 0.00	25.79 -0.61 0.00	23.61 -0.59 0.00	17.25 -0.43 0.00	15.72 -0.39 0.00	23.87 -0.57 0.00	20.32 -0.54 0.00	26.06 -0.64 0.00	23.10 -0.59 0.00	19.49 -0.48 0.00	16.76 -0.37 0.00	15.65 -0.37 0.00	19.38 -0.42 0.00	26.74 -0.61 0.00	27.16 -0.65 0.00	33.16 -0.78 0.00	36.12 -0.88 0.00	35.50 -0.90 0.00	33.37 -0.85 0.00	30.31 -0.77 0.00	23.09 -0.59 0.00	25.93 -0.63 0.00	26.33 -0.62 0.00
CARTHAGE___PAPER 23857	13.30 -0.56 0.00	18.38 -0.76 0.00	25.23 -1.18 0.00	23.21 -0.99 0.00	16.96 -0.73 0.00	15.53 -0.58 0.00	23.57 -0.87 0.00	20.45 -0.41 0.00	26.45 -0.26 0.00	23.08 -0.61 0.00	19.36 -0.61 0.00	16.76 -0.36 0.00	15.56 -0.46 0.00	19.16 -0.64 0.00	26.64 -0.72 0.00	27.19 -0.63 0.00	33.24 -0.70 0.00	35.90 -1.10 0.00	35.37 -1.04 0.00	33.19 -1.04 0.00	30.07 -1.01 0.00	22.80 -0.88 0.00	25.48 -1.08 0.00	25.80 -1.15 0.00
CASSADAGA_WT_PWR 323784	12.31 -1.55 0.00	16.96 -2.18 0.00	23.70 -2.70 0.00	21.59 -2.60 0.00	15.66 -2.04 0.00	14.29 -1.82 0.00	22.02 -2.43 0.00	15.90 -2.44 2.53	16.49 -2.80 7.42	19.53 -2.40 1.76	13.38 -2.13 4.47	9.94 -1.75 5.44	7.79 -1.74 6.49	10.56 -2.10 7.14	15.97 -2.88 8.51	15.98 -2.90 8.94	20.11 -3.80 10.03	21.61 -4.53 10.85	21.48 -4.43 10.49	20.52 -3.64 10.06	18.86 -3.00 9.21	20.62 -2.47 0.59	24.59 -1.96 0.00	25.43 -1.52 0.00
CE_DUNWOOD___DRP 24194	14.50 0.65 0.00	19.99 0.84 0.00	27.58 1.18 0.00	25.29 1.10 0.00	18.50 0.81 0.00	16.82 0.71 0.00	25.54 1.10 0.00	21.90 1.04 0.00	28.00 1.29 0.00	24.84 1.16 0.00	26.42 1.08 -5.36	26.45 0.93 -8.40	27.66 0.90 -10.74	24.53 1.17 -3.56	28.97 1.62 0.00	29.50 1.68 0.00	36.02 2.08 0.00	39.38 2.39 0.00	38.68 2.28 0.00	36.32 2.10 0.00	32.91 1.83 0.00	25.02 1.35 0.00	28.03 1.48 0.00	28.33 1.38 0.00
CE_MILLWOOD___DRP 24193	14.48 0.62 0.00	19.96 0.81 0.00	27.54 1.14 0.00	25.25 1.06 0.00	18.47 0.78 0.00	16.80 0.69 0.00	25.51 1.06 0.00	21.87 1.00 0.00	27.95 1.24 0.00	24.79 1.11 0.00	26.47 1.03 -5.47	26.57 0.88 -8.56	27.83 0.86 -10.95	24.55 1.12 -3.63	28.91 1.55 0.00	29.44 1.62 0.00	35.94 2.00 0.00	39.30 2.30 0.00	38.61 2.20 0.00	36.25 2.03 0.00	32.84 1.76 0.00	24.97 1.30 0.00	27.98 1.42 0.00	28.27 1.33 0.00
CE_NYC2_DRP 24202	14.59 0.73 0.00	20.11 0.96 0.00	27.73 1.33 0.00	25.42 1.22 0.00	18.59 0.91 0.00	16.91 0.80 0.00	25.64 1.20 0.00	22.01 1.15 0.00	28.15 1.44 0.00	24.98 1.29 0.00	26.41 1.24 -5.20	26.33 1.07 -8.14	27.48 1.05 -10.40	24.61 1.36 -3.44	29.19 1.83 0.00	29.71 1.89 0.00	36.22 2.28 0.00	39.61 2.62 0.00	38.89 2.49 0.00	36.51 2.29 0.00	33.09 2.01 0.00	25.18 1.51 0.00	28.19 1.64 0.00	28.49 1.54 0.00
CE_NYC_DRP 24195	14.53 0.67 0.00	20.02 0.88 0.00	27.63 1.23 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.36 0.00	24.91 1.22 0.00	26.33 1.16 -5.20	26.27 1.00 -8.14	27.42 0.99 -10.41	24.53 1.28 -3.45	29.09 1.74 0.00	29.61 1.79 0.00	36.15 2.20 0.00	39.51 2.52 0.00	38.80 2.40 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.08 1.41 0.00	28.09 1.53 0.00	28.38 1.43 0.00
CHAFFEE___LFGE 323603	12.68 -1.18 0.00	17.50 -1.64 0.00	24.25 -2.16 0.00	22.07 -2.13 0.00	16.11 -1.58 0.00	14.71 -1.40 0.00	22.53 -1.91 0.00	16.02 -1.96 2.89	16.26 -2.25 8.20	19.80 -1.98 1.90	13.47 -1.68 4.82	9.90 -1.36 5.87	7.58 -1.43 7.01	10.44 -1.65 7.71	15.97 -2.19 9.19	15.79 -2.37 9.66	20.15 -2.95 10.84	21.74 -3.52 11.73	21.58 -3.48 11.34	20.21 -3.14 10.87	18.43 -2.69 9.96	20.74 -2.30 0.63	24.51 -2.05 0.00	25.20 -1.74 0.00
CHATEAUG_35_KV_LOAD 355732	13.82 -0.04 0.00	19.11 -0.04 0.00	26.30 -0.11 0.00	24.21 0.01 0.00	17.78 0.09 0.00	16.19 0.08 0.00	24.69 0.24 0.00	21.14 0.28 0.00	26.92 0.21 0.00	23.94 0.26 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.02 0.00 0.00	19.58 -0.22 0.00	27.14 -0.22 0.00	27.49 -0.33 0.00	33.54 -0.40 0.00	36.66 -0.34 0.00	36.16 -0.24 0.00	34.12 -0.10 0.00	30.97 -0.11 0.00	23.51 -0.17 0.00	26.19 -0.36 0.00	26.61 -0.34 0.00
CHATEAUG_WT_PWR 323614	13.77 -0.09 0.00	19.07 -0.07 0.00	26.26 -0.13 0.00	24.21 0.02 0.00	17.80 0.11 0.00	16.20 0.09 0.00	24.69 0.25 0.00	21.15 0.28 0.00	26.92 0.21 0.00	23.98 0.29 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.00 -0.02 0.00	19.51 -0.29 0.00	27.04 -0.31 0.00	27.37 -0.45 0.00	33.36 -0.58 0.00	36.46 -0.53 0.00	36.01 -0.39 0.00	34.00 -0.22 0.00	30.86 -0.22 0.00	23.40 -0.28 0.00	26.06 -0.50 0.00	26.42 -0.53 0.00
CHAT_HIGH_FALL_HYD 323578	13.82 -0.04 0.00	19.11 -0.04 0.00	26.30 -0.11 0.00	24.21 0.01 0.00	17.78 0.09 0.00	16.19 0.08 0.00	24.69 0.24 0.00	21.14 0.28 0.00	26.92 0.21 0.00	23.94 0.26 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.02 0.00 0.00	19.58 -0.22 0.00	27.14 -0.22 0.00	27.49 -0.33 0.00	33.54 -0.40 0.00	36.66 -0.34 0.00	36.16 -0.24 0.00	34.12 -0.10 0.00	30.97 -0.11 0.00	23.51 -0.17 0.00	26.19 -0.36 0.00	26.61 -0.34 0.00
CHAUTAUQUA___LFGE 323629	12.40 -1.45 0.00	17.10 -2.04 0.00	23.75 -2.65 0.00	21.62 -2.57 0.00	15.74 -1.95 0.00	14.37 -1.74 0.00	22.07 -2.37 0.00	15.03 -2.38 3.46	14.31 -2.74 9.65	19.11 -2.37 2.21	12.33 -2.03 5.60	8.63 -1.68 6.82	6.16 -1.73 8.13	8.80 -2.06 8.94	13.95 -2.75 10.66	13.75 -2.88 11.19	17.75 -3.63 12.57	19.14 -4.27 13.59	19.07 -4.19 13.14	17.95 -3.66 12.61	16.42 -3.12 11.54	20.36 -2.58 0.73	24.35 -2.20 0.00	25.15 -1.80 0.00
CHERRYST_13_KV_LD 356241	14.56 0.71 0.00	20.07 0.93 0.00	27.70 1.30 0.00	25.39 1.20 0.00	18.58 0.89 0.00	16.89 0.78 0.00	25.63 1.19 0.00	22.00 1.13 0.00	28.14 1.43 0.00	24.98 1.29 0.00	26.39 1.22 -5.20	26.32 1.05 -8.14	27.48 1.04 -10.41	24.60 1.35 -3.45	29.18 1.83 0.00	29.70 1.89 0.00	36.25 2.31 0.00	39.64 2.64 0.00	38.90 2.50 0.00	36.51 2.29 0.00	33.07 1.99 0.00	25.14 1.46 0.00	28.15 1.60 0.00	28.44 1.49 0.00



CHESTROR_138KV_BK263 355645	14.36 0.50 0.00	19.80 0.66 0.00	27.34 0.94 0.00	25.06 0.87 0.00	18.33 0.64 0.00	16.67 0.56 0.00	25.32 0.87 0.00	21.64 0.77 0.00	27.65 0.94 0.00	24.51 0.83 0.00	12.42 0.76 8.31	4.75 0.64 13.01	0.00 0.63 16.64	15.12 0.83 5.51	28.53 1.18 0.00	29.08 1.26 0.00	35.52 1.58 0.00	38.82 1.82 0.00	38.15 1.75 0.00	35.82 1.60 0.00	32.45 1.37 0.00	24.67 1.00 0.00	27.66 1.10 0.00	27.95 1.00 0.00
CH_MIDHUDSON___DRP 24192	14.56 0.71 0.00	20.07 0.93 0.00	27.68 1.27 0.00	25.38 1.18 0.00	18.56 0.88 0.00	16.89 0.78 0.00	25.65 1.21 0.00	22.01 1.15 0.00	28.13 1.42 0.00	24.96 1.27 0.00	22.06 1.15 -0.94	19.57 0.97 -1.47	18.84 0.94 -1.88	21.65 1.23 -0.62	29.08 1.72 0.00	29.62 1.80 0.00	36.16 2.22 0.00	39.55 2.56 0.00	38.87 2.46 0.00	36.48 2.26 0.00	33.05 1.97 0.00	25.14 1.46 0.00	28.15 1.59 0.00	28.46 1.51 0.00
CH_MISC_IPPS 23765	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.26 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.21 0.00	28.21 1.51 0.00	25.02 1.33 0.00	21.17 1.19 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.81 0.00	29.71 1.89 0.00	36.31 2.37 0.00	39.72 2.73 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.18 2.10 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.53 1.59 0.00
CH_RES_BVR_FALLS 23983	13.70 -0.16 0.00	18.93 -0.21 0.00	26.11 -0.29 0.00	23.97 -0.23 0.00	17.54 -0.15 0.00	16.00 -0.11 0.00	24.20 -0.24 0.00	20.67 -0.20 0.00	26.52 -0.19 0.00	23.52 -0.17 0.00	19.77 -0.20 0.00	16.94 -0.18 0.00	15.86 -0.15 0.00	19.56 -0.24 0.00	27.05 -0.30 0.00	27.51 -0.31 0.00	33.50 -0.44 0.00	36.50 -0.49 0.00	35.95 -0.45 0.00	33.83 -0.39 0.00	30.75 -0.33 0.00	23.41 -0.26 0.00	26.25 -0.31 0.00	26.66 -0.28 0.00
CH_RES_NIAGARA 23895	12.23 -1.63 0.00	16.86 -2.28 0.00	23.37 -3.03 0.00	21.25 -2.94 0.00	15.51 -2.17 0.00	14.14 -1.97 0.00	21.62 -2.83 0.00	15.29 -2.80 2.78	15.50 -3.33 7.88	18.89 -2.98 1.82	12.87 -2.48 4.63	9.40 -2.10 5.62	7.10 -2.23 6.68	9.78 -2.67 7.35	14.96 -3.63 8.76	14.78 -3.84 9.20	18.92 -4.69 10.33	20.38 -5.44 11.17	20.26 -5.34 10.81	19.01 -4.85 10.36	17.36 -4.23 9.49	19.76 -3.31 0.60	23.44 -3.12 0.00	24.16 -2.78 0.00
CH_RES_SYRACUSE 23985	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.35 -0.47 0.00	33.41 -0.53 0.00	36.38 -0.62 0.00	35.77 -0.63 0.00	33.62 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
CLINTON_WT_PWR 323605	13.77 -0.09 0.00	19.07 -0.07 0.00	26.26 -0.13 0.00	24.21 0.02 0.00	17.80 0.11 0.00	16.20 0.09 0.00	24.69 0.25 0.00	21.15 0.28 0.00	26.92 0.21 0.00	23.98 0.29 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.00 -0.02 0.00	19.51 -0.29 0.00	27.04 -0.31 0.00	27.37 -0.45 0.00	33.36 -0.58 0.00	36.46 -0.53 0.00	36.01 -0.39 0.00	34.00 -0.22 0.00	30.86 -0.22 0.00	23.40 -0.28 0.00	26.06 -0.50 0.00	26.42 -0.53 0.00
CLINTON___LFGE 323618	14.00 0.14 0.00	19.31 0.16 0.00	26.56 0.16 0.00	24.46 0.27 0.00	17.98 0.29 0.00	16.38 0.27 0.00	25.00 0.56 0.00	21.46 0.60 0.00	27.37 0.67 0.00	24.37 0.69 0.00	20.28 0.31 0.00	17.22 0.09 0.00	16.24 0.22 0.00	19.83 0.03 0.00	27.46 0.11 0.00	27.84 0.02 0.00	33.95 0.01 0.00	37.17 0.17 0.00	36.65 0.25 0.00	34.55 0.33 0.00	31.39 0.31 0.00	23.80 0.12 0.00	26.50 -0.05 0.00	26.85 -0.10 0.00
COBBLENY_34_KV_TB1 80064	12.68 -1.17 0.00	17.50 -1.64 0.00	24.24 -2.16 0.00	22.06 -2.13 0.00	16.11 -1.58 0.00	14.71 -1.40 0.00	22.53 -1.91 0.00	16.01 -1.98 2.89	16.22 -2.29 8.20	19.80 -1.99 1.90	13.45 -1.70 4.82	9.86 -1.39 5.87	7.55 -1.46 7.01	10.42 -1.67 7.71	15.90 -2.26 9.19	15.72 -2.44 9.66	20.08 -3.02 10.84	21.66 -3.60 11.73	21.53 -3.53 11.34	20.14 -3.20 10.87	18.36 -2.77 9.96	20.73 -2.31 0.63	24.51 -2.05 0.00	25.21 -1.74 0.00
COFFEEN___115KV_TB3 355620	13.23 -0.63 0.00	18.27 -0.87 0.00	25.05 -1.35 0.00	23.06 -1.14 0.00	16.82 -0.87 0.00	15.42 -0.69 0.00	23.47 -0.97 0.00	20.37 -0.50 0.00	26.35 -0.36 0.00	22.98 -0.71 0.00	19.40 -0.58 0.00	16.81 -0.31 0.00	15.58 -0.44 0.00	19.21 -0.59 0.00	26.72 -0.63 0.00	27.30 -0.52 0.00	33.38 -0.56 0.00	35.94 -1.05 0.00	35.37 -1.03 0.00	33.19 -1.03 0.00	30.06 -1.01 0.00	22.80 -0.88 0.00	25.45 -1.11 0.00	25.71 -1.23 0.00
COLDSPRG_115KV_BK1 355956	12.90 -0.95 0.00	17.88 -1.26 0.00	24.91 -1.49 0.00	22.68 -1.51 0.00	16.50 -1.19 0.00	15.08 -1.03 0.00	23.13 -1.31 0.00	18.10 -1.46 1.31	20.87 -1.65 4.19	21.24 -1.38 1.06	16.05 -1.25 2.67	12.90 -0.97 3.26	11.14 -0.99 3.90	14.43 -1.09 4.29	20.74 -1.50 5.11	20.77 -1.68 5.37	25.63 -2.28 6.03	27.55 -2.92 6.52	27.17 -2.93 6.30	25.71 -2.47 6.05	23.45 -2.09 5.54	21.56 -1.76 0.35	25.30 -1.25 0.00	26.04 -0.91 0.00
COLONIE_LFGE___ 323577	14.39 0.53 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.07 0.87 0.00	18.30 0.61 0.00	16.68 0.57 0.00	25.34 0.90 0.00	21.73 0.87 0.00	27.82 1.11 0.00	24.67 0.99 0.00	22.18 0.83 -1.38	19.98 0.69 -2.16	19.40 0.62 -2.76	21.50 0.78 -0.91	28.46 1.11 0.00	29.01 1.19 0.00	35.42 1.47 0.00	38.65 1.66 0.00	38.02 1.62 0.00	35.72 1.50 0.00	32.43 1.35 0.00	24.68 1.01 0.00	27.66 1.10 0.00	27.98 1.04 0.00
COOPERNY_115KV_TB1 80082	14.19 0.34 0.00	19.59 0.44 0.00	27.03 0.63 0.00	24.77 0.58 0.00	18.12 0.43 0.00	16.49 0.38 0.00	25.03 0.59 0.00	21.37 0.51 0.00	27.32 0.61 0.00	24.22 0.53 0.00	15.47 0.50 5.01	9.71 0.43 7.84	6.42 0.42 10.03	17.05 0.56 3.32	28.16 0.81 0.00	28.67 0.85 0.00	35.00 1.06 0.00	38.23 1.23 0.00	37.57 1.17 0.00	35.29 1.08 0.00	32.00 0.92 0.00	24.34 0.66 0.00	27.29 0.73 0.00	27.62 0.67 0.00
COPENHAGEN_WT_PWR 323753	13.01 -0.84 0.00	17.98 -1.16 0.00	24.64 -1.77 0.00	22.71 -1.49 0.00	16.56 -1.13 0.00	15.17 -0.94 0.00	23.06 -1.38 0.00	20.06 -0.81 0.00	25.99 -0.72 0.00	22.58 -1.11 0.00	19.02 -0.95 0.00	16.46 -0.67 0.00	15.25 -0.77 0.00	18.79 -1.01 0.00	26.11 -1.24 0.00	26.67 -1.15 0.00	32.60 -1.34 0.00	35.13 -1.87 0.00	34.58 -1.82 0.00	32.46 -1.76 0.00	29.41 -1.67 0.00	22.33 -1.35 0.00	24.94 -1.61 0.00	25.23 -1.71 0.00
CORNELL_____ 23752	13.75 -0.11 0.00	18.98 -0.16 0.00	26.24 -0.16 0.00	24.01 -0.19 0.00	17.55 -0.14 0.00	16.02 -0.09 0.00	24.41 -0.03 0.00	20.80 -0.07 0.00	26.65 -0.06 0.00	23.57 -0.12 0.00	19.87 -0.10 0.00	17.09 -0.03 0.00	15.99 -0.03 0.00	19.86 0.06 0.00	27.43 0.08 0.00	27.84 0.02 0.00	34.08 0.14 0.00	37.13 0.14 0.00	36.48 0.08 0.00	34.24 0.02 0.00	31.10 0.02 0.00	23.58 -0.09 0.00	26.50 -0.05 0.00	26.92 -0.02 0.00



CORONA__69_KV_TB1 355595	14.76 0.91 0.00	20.21 1.07 0.00	27.87 1.47 0.00	25.65 1.46 0.00	18.78 1.09 0.00	17.05 0.94 0.00	25.87 1.43 0.00	22.31 1.45 0.00	28.46 1.75 0.00	25.23 1.55 0.00	26.60 1.45 -5.18	26.48 1.25 -8.11	27.48 1.09 -10.37	24.65 1.41 -3.43	29.33 1.98 0.00	29.85 2.04 0.00	36.55 2.61 0.00	40.02 3.02 0.00	39.33 2.93 0.00	36.96 2.74 0.00	33.45 2.37 0.00	25.41 1.73 0.00	28.46 1.90 0.00	28.72 1.78 0.00
CORTLAND__115KV_TB3 80093	13.71 -0.15 0.00	18.95 -0.19 0.00	26.18 -0.22 0.00	23.96 -0.23 0.00	17.51 -0.18 0.00	15.96 -0.15 0.00	24.31 -0.13 0.00	20.71 -0.15 0.00	26.55 -0.16 0.00	23.49 -0.20 0.00	19.80 -0.18 0.00	17.03 -0.09 0.00	15.93 -0.09 0.00	19.75 -0.06 0.00	27.29 -0.06 0.00	27.70 -0.12 0.00	33.85 -0.09 0.00	36.87 -0.12 0.00	36.24 -0.16 0.00	34.02 -0.20 0.00	30.89 -0.19 0.00	23.47 -0.21 0.00	26.37 -0.19 0.00	26.77 -0.17 0.00
COXSACKIE__GT 23611	14.84 0.98 0.00	20.46 1.32 0.00	28.18 1.78 0.00	25.83 1.64 0.00	18.86 1.17 0.00	17.22 1.11 0.00	26.24 1.80 0.00	22.58 1.71 0.00	28.95 2.24 0.00	25.54 1.85 0.00	21.93 1.26 -0.71	19.21 0.98 -1.11	18.34 0.91 -1.41	21.44 1.17 -0.47	29.04 1.68 0.00	29.84 2.02 0.00	36.86 2.92 0.00	40.36 3.37 0.00	39.70 3.30 0.00	37.21 2.99 0.00	33.72 2.64 0.00	25.62 1.95 0.00	28.66 2.10 0.00	29.03 2.09 0.00
CPV_VALLEY__CC1 323721	14.26 0.40 0.00	19.67 0.53 0.00	27.14 0.74 0.00	24.88 0.68 0.00	18.21 0.52 0.00	16.55 0.44 0.00	25.13 0.69 0.00	21.47 0.61 0.00	27.44 0.73 0.00	24.33 0.64 0.00	13.51 0.61 7.07	6.57 0.51 11.07	2.37 0.51 14.16	15.78 0.67 4.69	28.30 0.94 0.00	28.82 1.00 0.00	35.19 1.25 0.00	38.44 1.45 0.00	37.78 1.38 0.00	35.48 1.26 0.00	32.16 1.08 0.00	24.46 0.79 0.00	27.42 0.87 0.00	27.73 0.78 0.00
CPV_VALLEY__CC2 323722	14.26 0.40 0.00	19.67 0.53 0.00	27.14 0.74 0.00	24.88 0.68 0.00	18.21 0.52 0.00	16.55 0.44 0.00	25.13 0.69 0.00	21.47 0.61 0.00	27.44 0.73 0.00	24.33 0.64 0.00	13.51 0.61 7.07	6.57 0.51 11.07	2.37 0.51 14.16	15.78 0.67 4.69	28.30 0.94 0.00	28.82 1.00 0.00	35.19 1.25 0.00	38.44 1.45 0.00	37.78 1.38 0.00	35.48 1.26 0.00	32.16 1.08 0.00	24.46 0.79 0.00	27.42 0.87 0.00	27.73 0.78 0.00
CRESCENT__HYD 24018	14.39 0.53 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.07 0.87 0.00	18.30 0.61 0.00	16.68 0.57 0.00	25.34 0.90 0.00	21.73 0.87 0.00	27.82 1.11 0.00	24.67 0.99 0.00	22.18 0.83 -1.38	19.98 0.69 -2.16	19.40 0.62 -2.76	21.50 0.78 -0.91	28.46 1.11 0.00	29.01 1.19 0.00	35.42 1.47 0.00	38.65 1.66 0.00	38.02 1.62 0.00	35.72 1.50 0.00	32.43 1.35 0.00	24.68 1.01 0.00	27.66 1.10 0.00	27.98 1.04 0.00
CRICKET__VALLEY_CC1 323756	14.46 0.61 0.00	19.95 0.81 0.00	27.49 1.09 0.00	25.23 1.03 0.00	18.46 0.77 0.00	16.80 0.68 0.00	25.46 1.02 0.00	21.84 0.98 0.00	27.90 1.19 0.00	24.76 1.08 0.00	24.23 0.99 -3.27	23.09 0.85 -5.12	23.38 0.82 -6.54	23.06 1.09 -2.17	28.83 1.47 0.00	29.33 1.51 0.00	35.79 1.85 0.00	39.11 2.12 0.00	38.43 2.03 0.00	36.08 1.86 0.00	32.70 1.62 0.00	24.89 1.21 0.00	27.89 1.34 0.00	28.24 1.29 0.00
CRICKET__VALLEY_CC2 323757	14.46 0.61 0.00	19.95 0.81 0.00	27.49 1.09 0.00	25.23 1.03 0.00	18.46 0.77 0.00	16.80 0.68 0.00	25.46 1.02 0.00	21.84 0.98 0.00	27.90 1.19 0.00	24.76 1.08 0.00	24.23 0.99 -3.27	23.09 0.85 -5.12	23.38 0.82 -6.54	23.06 1.09 -2.17	28.83 1.47 0.00	29.33 1.51 0.00	35.79 1.85 0.00	39.11 2.12 0.00	38.43 2.03 0.00	36.08 1.86 0.00	32.70 1.62 0.00	24.89 1.21 0.00	27.89 1.34 0.00	28.24 1.29 0.00
CRICKET__VALLEY_CC3 323758	14.46 0.61 0.00	19.95 0.81 0.00	27.49 1.09 0.00	25.23 1.03 0.00	18.46 0.77 0.00	16.80 0.68 0.00	25.46 1.02 0.00	21.84 0.98 0.00	27.90 1.19 0.00	24.76 1.08 0.00	24.23 0.99 -3.27	23.09 0.85 -5.12	23.38 0.82 -6.54	23.06 1.09 -2.17	28.83 1.47 0.00	29.33 1.51 0.00	35.79 1.85 0.00	39.11 2.12 0.00	38.43 2.03 0.00	36.08 1.86 0.00	32.70 1.62 0.00	24.89 1.21 0.00	27.89 1.34 0.00	28.24 1.29 0.00
CRUCIBLE__METL_DRP 24180	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
DAHOWA__HYDRO 323763	14.45 0.60 0.00	19.91 0.77 0.00	27.43 1.03 0.00	25.15 0.95 0.00	18.36 0.67 0.00	16.74 0.63 0.00	25.48 1.04 0.00	21.88 1.01 0.00	28.03 1.32 0.00	24.87 1.19 0.00	22.23 0.97 -1.29	19.96 0.82 -2.02	19.31 0.70 -2.58	21.51 0.85 -0.85	28.64 1.28 0.00	29.21 1.39 0.00	35.74 1.80 0.00	39.04 2.05 0.00	38.39 1.98 0.00	36.04 1.83 0.00	32.70 1.62 0.00	24.85 1.17 0.00	27.79 1.24 0.00	28.12 1.17 0.00
DANC__LFGE 323619	13.17 -0.68 0.00	18.20 -0.94 0.00	25.00 -1.41 0.00	22.98 -1.21 0.00	16.78 -0.91 0.00	15.33 -0.78 0.00	23.28 -1.16 0.00	20.08 -0.79 0.00	25.91 -0.79 0.00	22.69 -1.00 0.00	19.14 -0.84 0.00	16.52 -0.61 0.00	15.35 -0.67 0.00	18.95 -0.85 0.00	26.25 -1.10 0.00	26.76 -1.06 0.00	32.72 -1.22 0.00	35.34 -1.65 0.00	34.78 -1.62 0.00	32.66 -1.56 0.00	29.63 -1.45 0.00	22.55 -1.12 0.00	25.25 -1.30 0.00	25.58 -1.37 0.00
DANSKAMMER__1 23586	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.26 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.21 0.00	28.21 1.51 0.00	25.02 1.33 0.00	21.17 1.19 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.81 0.00	29.71 1.89 0.00	36.31 2.37 0.00	39.72 2.73 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.18 2.10 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.53 1.59 0.00
DANSKAMMER__2 23589	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.26 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.21 0.00	28.21 1.51 0.00	25.02 1.33 0.00	21.17 1.19 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.81 0.00	29.71 1.89 0.00	36.31 2.37 0.00	39.72 2.73 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.18 2.10 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.53 1.59 0.00
DANSKAMMER__3 23590	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.26 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.21 0.00	28.21 1.51 0.00	25.02 1.33 0.00	21.17 1.19 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.81 0.00	29.71 1.89 0.00	36.31 2.37 0.00	39.72 2.73 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.18 2.10 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.53 1.59 0.00



DANSKAMMER___4 23591	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.26 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.21 0.00	28.21 1.51 0.00	25.02 1.33 0.00	21.17 1.19 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.81 0.00	29.71 1.89 0.00	36.31 2.37 0.00	39.72 2.73 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.18 2.10 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.53 1.59 0.00
DANSKAMMER___DIESEL 23592	14.60 0.75 0.00	20.14 1.00 0.00	27.77 1.37 0.00	25.46 1.27 0.00	18.62 0.94 0.00	16.95 0.84 0.00	25.75 1.31 0.00	22.08 1.22 0.00	28.22 1.51 0.00	25.02 1.34 0.00	21.17 1.20 0.00	18.14 1.02 0.00	17.00 0.98 0.00	21.08 1.28 0.00	29.17 1.82 0.00	29.72 1.90 0.00	36.31 2.37 0.00	39.73 2.74 0.00	39.02 2.62 0.00	36.63 2.41 0.00	33.19 2.11 0.00	25.21 1.54 0.00	28.24 1.68 0.00	28.54 1.59 0.00
DARBY___SOLAR 323810	14.44 0.58 0.00	19.90 0.76 0.00	27.42 1.02 0.00	25.13 0.94 0.00	18.35 0.66 0.00	16.73 0.62 0.00	25.46 1.01 0.00	21.85 0.99 0.00	27.99 1.28 0.00	24.83 1.15 0.00	22.22 0.94 -1.30	19.95 0.78 -2.04	19.31 0.68 -2.61	21.49 0.82 -0.86	28.61 1.25 0.00	29.19 1.37 0.00	35.70 1.76 0.00	38.99 2.00 0.00	38.35 1.95 0.00	36.01 1.79 0.00	32.67 1.59 0.00	24.83 1.16 0.00	27.79 1.24 0.00	28.12 1.17 0.00
DASHVILLE___HYD 23610	14.71 0.86 0.00	20.27 1.13 0.00	27.95 1.54 0.00	25.61 1.42 0.00	18.74 1.04 0.00	17.06 0.94 0.00	25.94 1.50 0.00	22.25 1.38 0.00	28.45 1.74 0.00	25.23 1.55 0.00	20.37 1.34 0.94	16.74 1.09 1.48	15.18 1.05 1.89	20.57 1.39 0.63	29.42 2.06 0.00	30.00 2.18 0.00	36.71 2.77 0.00	40.22 3.23 0.00	39.51 3.11 0.00	37.08 2.86 0.00	33.57 2.49 0.00	25.49 1.81 0.00	28.52 1.96 0.00	28.78 1.84 0.00
DEERFIELD_69_KV_DEERFIELD LD 355887	14.88 1.02 0.00	20.26 1.12 0.00	27.94 1.53 0.00	25.77 1.57 0.00	18.88 1.19 0.00	17.14 1.03 0.00	26.09 1.65 0.00	22.57 1.70 0.00	28.73 2.03 0.00	25.50 1.82 0.00	26.92 1.76 -5.18	26.72 1.48 -8.11	27.55 1.15 -10.37	24.68 1.45 -3.43	29.41 2.06 0.00	30.11 2.29 0.00	37.05 3.10 0.00	40.79 3.80 0.00	40.13 3.72 0.00	37.54 3.32 0.00	33.90 2.82 0.00	25.75 2.08 0.00	28.82 2.26 0.00	28.97 2.03 0.00
DELAWARE___LFGE 323621	14.07 0.21 0.00	19.46 0.32 0.00	26.87 0.47 0.00	24.61 0.41 0.00	17.97 0.28 0.00	16.39 0.28 0.00	24.94 0.49 0.00	21.28 0.41 0.00	27.22 0.51 0.00	24.11 0.43 0.00	19.63 0.40 0.75	16.31 0.36 1.17	14.86 0.34 1.50	19.76 0.45 0.50	28.01 0.66 0.00	28.50 0.68 0.00	34.79 0.85 0.00	37.95 0.96 0.00	37.32 0.92 0.00	35.04 0.82 0.00	31.81 0.73 0.00	24.16 0.49 0.00	27.10 0.54 0.00	27.49 0.54 0.00
DERFIELD_115KV_TB7 355931	13.86 0.01 0.00	19.16 0.02 0.00	26.43 0.03 0.00	24.22 0.03 0.00	17.71 0.02 0.00	16.13 0.02 0.00	24.47 0.03 0.00	20.91 0.04 0.00	26.76 0.05 0.00	23.71 0.03 0.00	19.99 0.02 0.00	17.15 0.02 0.00	16.03 0.01 0.00	19.82 0.02 0.00	27.38 0.03 0.00	27.85 0.03 0.00	33.98 0.04 0.00	37.06 0.07 0.00	36.45 0.05 0.00	34.25 0.03 0.00	31.11 0.03 0.00	23.72 0.05 0.00	26.60 0.05 0.00	26.97 0.03 0.00
DOGLEVILLE___HYD 23807	13.94 0.08 0.00	19.21 0.07 0.00	26.54 0.13 0.00	24.31 0.11 0.00	17.74 0.05 0.00	16.25 0.14 0.00	24.73 0.29 0.00	21.22 0.35 0.00	27.03 0.32 0.00	23.75 0.06 0.00	20.05 0.08 0.00	17.09 -0.03 0.00	15.90 -0.12 0.00	19.60 -0.20 0.00	27.27 -0.08 0.00	28.11 0.29 0.00	34.51 0.57 0.00	37.68 0.69 0.00	37.03 0.63 0.00	34.75 0.53 0.00	31.50 0.42 0.00	23.94 0.27 0.00	26.74 0.19 0.00	27.05 0.11 0.00
DUNKIRK___115KV_TB_200 55889	12.42 -1.44 0.00	17.12 -2.02 0.00	23.78 -2.62 0.00	21.64 -2.56 0.00	15.76 -1.92 0.00	14.39 -1.72 0.00	22.09 -2.35 0.00	14.94 -2.38 3.55	14.08 -2.76 9.87	19.08 -2.36 2.25	12.22 -2.04 5.71	8.47 -1.70 6.95	5.98 -1.75 8.29	8.63 -2.06 9.11	13.70 -2.79 10.86	13.47 -2.93 11.41	17.47 -3.66 12.81	18.84 -4.30 13.86	18.79 -4.22 13.40	17.65 -3.72 12.85	16.13 -3.18 11.76	20.34 -2.58 0.75	24.34 -2.22 0.00	25.12 -1.82 0.00
DUNKIRK___1 23563	12.42 -1.44 0.00	17.12 -2.02 0.00	23.78 -2.62 0.00	21.64 -2.56 0.00	15.76 -1.92 0.00	14.39 -1.72 0.00	22.09 -2.35 0.00	14.94 -2.38 3.55	14.08 -2.76 9.87	19.08 -2.36 2.25	12.22 -2.04 5.71	8.47 -1.70 6.95	5.98 -1.75 8.29	8.63 -2.06 9.11	13.70 -2.79 10.86	13.47 -2.93 11.41	17.47 -3.66 12.81	18.84 -4.30 13.86	18.79 -4.22 13.40	17.65 -3.72 12.85	16.13 -3.18 11.76	20.34 -2.58 0.75	24.34 -2.22 0.00	25.12 -1.82 0.00
DUNKIRK___2 23564	12.42 -1.44 0.00	17.12 -2.02 0.00	23.78 -2.62 0.00	21.64 -2.56 0.00	15.76 -1.92 0.00	14.39 -1.72 0.00	22.09 -2.35 0.00	14.94 -2.38 3.55	14.08 -2.76 9.87	19.08 -2.36 2.25	12.22 -2.04 5.71	8.47 -1.70 6.95	5.98 -1.75 8.29	8.63 -2.06 9.11	13.70 -2.79 10.86	13.47 -2.93 11.41	17.47 -3.66 12.81	18.84 -4.30 13.86	18.79 -4.22 13.40	17.65 -3.72 12.85	16.13 -3.18 11.76	20.34 -2.58 0.75	24.34 -2.22 0.00	25.12 -1.82 0.00
DUNKIRK___3 23565	12.46 -1.39 0.00	17.20 -1.95 0.00	23.86 -2.54 0.00	21.72 -2.47 0.00	15.83 -1.86 0.00	14.45 -1.66 0.00	22.15 -2.29 0.00	14.70 -2.32 3.85	13.20 -2.71 10.81	18.87 -2.34 2.48	11.67 -2.00 6.30	7.80 -1.66 7.66	5.18 -1.71 9.13	7.76 -2.00 10.04	12.66 -2.73 11.97	12.36 -2.89 12.58	16.24 -3.58 14.12	17.51 -4.22 15.27	17.49 -4.14 14.76	16.37 -3.69 14.16	14.94 -3.17 12.97	20.26 -2.59 0.83	24.31 -2.25 0.00	25.07 -1.87 0.00
DUNKIRK___4 23566	12.46 -1.39 0.00	17.20 -1.95 0.00	23.86 -2.54 0.00	21.72 -2.47 0.00	15.83 -1.86 0.00	14.45 -1.66 0.00	22.15 -2.29 0.00	14.70 -2.32 3.85	13.20 -2.71 10.81	18.87 -2.34 2.48	11.67 -2.00 6.30	7.80 -1.66 7.66	5.18 -1.71 9.13	7.76 -2.00 10.04	12.66 -2.73 11.97	12.36 -2.89 12.58	16.24 -3.58 14.12	17.51 -4.22 15.27	17.49 -4.14 14.76	16.37 -3.69 14.16	14.94 -3.17 12.97	20.26 -2.59 0.83	24.31 -2.25 0.00	25.07 -1.87 0.00
DUNWOODS_138_KV_38W08_REV_LBMP_I 345000	14.54 0.69 0.00	20.04 0.89 0.00	27.64 1.24 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.87 0.75 0.00	25.59 1.15 0.00	21.95 1.09 0.00	28.06 1.36 0.00	24.91 1.22 0.00	26.31 1.14 -5.20	26.24 0.98 -8.14	27.38 0.95 -10.41	24.48 1.23 -3.45	29.05 1.69 0.00	29.57 1.75 0.00	36.10 2.16 0.00	39.48 2.48 0.00	38.77 2.37 0.00	36.40 2.18 0.00	32.98 1.90 0.00	25.08 1.41 0.00	28.09 1.53 0.00	28.39 1.44 0.00
E.WALDEN_115_KV_TR_1_REV_LBMP_G 345009	14.49 0.63 0.00	19.97 0.83 0.00	27.56 1.16 0.00	25.27 1.07 0.00	18.48 0.79 0.00	16.81 0.70 0.00	25.54 1.10 0.00	21.86 0.99 0.00	27.93 1.22 0.00	24.76 1.08 0.00	17.33 0.96 3.60	12.29 0.81 5.65	9.59 0.79 7.22	18.45 1.04 2.39	28.85 1.49 0.00	29.39 1.57 0.00	35.92 1.99 0.00	39.29 2.29 0.00	38.60 2.20 0.00	36.24 2.02 0.00	32.82 1.74 0.00	24.95 1.27 0.00	27.95 1.39 0.00	28.24 1.30 0.00



E179THST_138_KV_TB4_REV_LBMP_J 345001	14.57 0.71 0.00	20.06 0.92 0.00	27.66 1.26 0.00	25.36 1.16 0.00	18.56 0.87 0.00	16.87 0.76 0.00	25.62 1.17 0.00	21.99 1.13 0.00	28.10 1.39 0.00	24.92 1.23 0.00	26.34 1.17 -5.20	26.27 1.01 -8.14	27.43 1.01 -10.40	24.52 1.27 -3.44	29.03 1.67 0.00	29.57 1.75 0.00	36.11 2.17 0.00	39.50 2.50 0.00	38.78 2.38 0.00	36.41 2.19 0.00	33.00 1.92 0.00	25.08 1.40 0.00	28.09 1.53 0.00	28.39 1.45 0.00
E179THST_13_KV_LOAD 356214	14.63 0.77 0.00	20.14 0.99 0.00	27.76 1.36 0.00	25.45 1.25 0.00	18.62 0.93 0.00	16.92 0.81 0.00	25.71 1.27 0.00	22.08 1.21 0.00	28.22 1.51 0.00	25.02 1.33 0.00	26.43 1.26 -5.20	26.34 1.08 -8.14	27.50 1.08 -10.40	24.61 1.36 -3.44	29.16 1.81 0.00	29.71 1.89 0.00	36.28 2.33 0.00	39.69 2.69 0.00	38.97 2.56 0.00	36.57 2.35 0.00	33.14 2.06 0.00	25.19 1.52 0.00	28.21 1.66 0.00	28.52 1.57 0.00
EAST HAMPTON___GT 23717	14.60 0.74 0.00	19.86 0.72 0.00	27.40 1.00 0.00	25.30 1.11 0.00	18.54 0.85 0.00	16.84 0.73 0.00	25.65 1.21 0.00	22.21 1.35 0.00	28.28 1.57 0.00	25.12 1.43 0.00	26.59 1.44 -5.18	26.43 1.19 -8.11	27.27 0.88 -10.37	24.34 1.10 -3.43	28.92 1.57 0.00	29.63 1.81 0.00	36.50 2.56 0.00	40.25 3.26 0.00	39.59 3.19 0.00	37.04 2.82 0.00	33.43 2.35 0.00	25.39 1.72 0.00	28.45 1.89 0.00	28.57 1.63 0.00
EAST RIVER___6 23660	14.52 0.66 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.55 0.86 0.00	16.85 0.74 0.00	25.58 1.14 0.00	21.95 1.09 0.00	28.08 1.37 0.00	24.93 1.24 0.00	26.35 1.17 -5.20	26.28 1.01 -8.14	27.43 1.00 -10.41	24.55 1.30 -3.45	29.10 1.74 0.00	29.62 1.80 0.00	36.15 2.22 0.00	39.53 2.53 0.00	38.81 2.41 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.08 1.40 0.00	28.08 1.52 0.00	28.35 1.41 0.00
EAST RIVER___7 23524	14.52 0.66 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.55 0.86 0.00	16.85 0.74 0.00	25.58 1.14 0.00	21.95 1.09 0.00	28.08 1.37 0.00	24.93 1.24 0.00	26.35 1.17 -5.20	26.28 1.01 -8.14	27.43 1.00 -10.41	24.55 1.30 -3.45	29.10 1.74 0.00	29.62 1.80 0.00	36.15 2.22 0.00	39.53 2.53 0.00	38.81 2.41 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.08 1.40 0.00	28.08 1.52 0.00	28.35 1.41 0.00
EASTVIEW_138_KV_38W32_REV_LBMP_I 345002	14.50 0.65 0.00	19.99 0.84 0.00	27.58 1.18 0.00	25.29 1.10 0.00	18.50 0.81 0.00	16.82 0.71 0.00	25.54 1.10 0.00	21.90 1.04 0.00	28.00 1.29 0.00	24.84 1.16 0.00	26.42 1.08 -5.36	26.45 0.93 -8.40	27.66 0.90 -10.74	24.53 1.17 -3.56	28.97 1.62 0.00	29.50 1.68 0.00	36.02 2.08 0.00	39.38 2.39 0.00	38.68 2.28 0.00	36.32 2.10 0.00	32.91 1.83 0.00	25.02 1.35 0.00	28.03 1.48 0.00	28.33 1.38 0.00
EAST_HAMPTON___DIESEL 23722	14.55 0.70 0.00	19.80 0.65 0.00	27.31 0.91 0.00	25.22 1.03 0.00	18.49 0.80 0.00	16.79 0.68 0.00	25.57 1.13 0.00	22.15 1.28 0.00	28.20 1.49 0.00	25.04 1.35 0.00	26.53 1.38 -5.18	26.37 1.13 -8.11	27.22 0.83 -10.37	24.27 1.04 -3.43	28.84 1.48 0.00	29.55 1.73 0.00	36.39 2.45 0.00	40.14 3.14 0.00	39.48 3.08 0.00	36.93 2.71 0.00	33.33 2.25 0.00	25.32 1.65 0.00	28.38 1.82 0.00	28.50 1.55 0.00
EAST_POINT___SOLAR 323840	14.54 0.68 0.00	20.11 0.96 0.00	27.73 1.32 0.00	25.40 1.21 0.00	18.57 0.88 0.00	16.99 0.87 0.00	25.86 1.42 0.00	22.11 1.24 0.00	28.06 1.35 0.00	24.77 1.09 0.00	21.84 0.94 -0.93	19.32 0.74 -1.45	18.59 0.71 -1.86	21.17 0.75 -0.61	28.51 1.16 0.00	29.26 1.44 0.00	36.06 2.12 0.00	39.35 2.36 0.00	38.67 2.27 0.00	36.32 2.10 0.00	32.95 1.87 0.00	24.99 1.32 0.00	27.95 1.39 0.00	28.31 1.37 0.00
EAST_PULASKI___ESR 323781	13.34 -0.51 0.00	18.43 -0.71 0.00	25.39 -1.01 0.00	23.28 -0.91 0.00	17.01 -0.68 0.00	15.51 -0.60 0.00	23.54 -0.90 0.00	20.14 -0.73 0.00	25.89 -0.81 0.00	22.85 -0.84 0.00	19.29 -0.69 0.00	16.60 -0.52 0.00	15.47 -0.55 0.00	19.13 -0.67 0.00	26.43 -0.92 0.00	26.90 -0.92 0.00	32.87 -1.07 0.00	35.63 -1.37 0.00	35.05 -1.35 0.00	32.94 -1.28 0.00	29.90 -1.17 0.00	22.81 -0.87 0.00	25.59 -0.97 0.00	25.94 -1.00 0.00
EAST_RIVER___1 323558	14.52 0.67 0.00	20.02 0.88 0.00	27.63 1.23 0.00	25.33 1.14 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.12 0.00	21.94 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.33 1.16 -5.20	26.26 1.00 -8.14	27.42 0.99 -10.41	24.53 1.28 -3.45	29.09 1.73 0.00	29.60 1.79 0.00	36.14 2.20 0.00	39.50 2.51 0.00	38.79 2.39 0.00	36.40 2.18 0.00	32.98 1.90 0.00	25.08 1.41 0.00	28.09 1.53 0.00	28.37 1.43 0.00
EAST_RIVER___2 323559	14.52 0.66 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.55 0.86 0.00	16.85 0.74 0.00	25.58 1.14 0.00	21.95 1.09 0.00	28.08 1.37 0.00	24.93 1.24 0.00	26.35 1.17 -5.20	26.28 1.01 -8.14	27.43 1.00 -10.41	24.55 1.30 -3.45	29.10 1.74 0.00	29.62 1.80 0.00	36.15 2.22 0.00	39.53 2.53 0.00	38.81 2.41 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.08 1.40 0.00	28.08 1.52 0.00	28.35 1.41 0.00
EAST___DELAWARE_HYD 23607	14.26 0.41 0.00	19.67 0.52 0.00	27.12 0.72 0.00	24.85 0.66 0.00	18.19 0.50 0.00	16.56 0.45 0.00	25.19 0.75 0.00	21.57 0.70 0.00	27.55 0.84 0.00	24.42 0.73 0.00	17.58 0.62 3.02	12.87 0.47 4.73	10.55 0.59 6.05	18.58 0.78 2.00	28.58 1.23 0.00	29.17 1.35 0.00	35.75 1.80 0.00	39.10 2.11 0.00	38.43 2.03 0.00	36.07 1.85 0.00	32.67 1.59 0.00	24.81 1.14 0.00	27.76 1.20 0.00	28.03 1.08 0.00
EIGHT_POINT___WT_PWR 323820	12.23 -1.63 0.00	16.99 -2.15 0.00	23.46 -2.94 0.00	21.44 -2.76 0.00	15.65 -2.04 0.00	14.24 -1.87 0.00	21.84 -2.60 0.00	30.65 -2.45 -12.23	58.43 -3.06 -34.79	28.99 -2.73 -8.03	38.11 -2.34 -20.47	40.15 -1.84 -24.86	43.78 -1.77 -29.53	50.11 -2.17 -32.47	63.16 -2.90 -38.71	65.50 -2.98 -40.66	76.00 -3.59 -45.65	82.78 -3.58 -49.37	80.50 -3.64 -47.74	76.18 -3.83 -45.79	69.62 -3.38 -41.92	23.61 -2.73 -2.67	23.88 -2.68 0.00	24.61 -2.34 0.00
ELBRIDGE_115KV_TB2 80188	13.54 -0.31 0.00	18.69 -0.45 0.00	25.80 -0.61 0.00	23.61 -0.59 0.00	17.28 -0.41 0.00	15.74 -0.37 0.00	23.88 -0.56 0.00	20.32 -0.54 0.00	26.04 -0.66 0.00	23.09 -0.60 0.00	19.50 -0.47 0.00	16.77 -0.36 0.00	15.67 -0.35 0.00	19.40 -0.40 0.00	26.77 -0.59 0.00	27.18 -0.63 0.00	33.20 -0.74 0.00	36.13 -0.87 0.00	35.55 -0.85 0.00	33.41 -0.81 0.00	30.35 -0.73 0.00	23.11 -0.56 0.00	25.96 -0.60 0.00	26.37 -0.57 0.00
ELEC_TRO_TEK 24086	14.71 0.85 0.00	20.14 0.99 0.00	27.77 1.37 0.00	25.56 1.36 0.00	18.72 1.03 0.00	16.99 0.88 0.00	25.78 1.34 0.00	22.24 1.38 0.00	28.35 1.65 0.00	25.14 1.46 0.00	26.53 1.37 -5.18	26.42 1.18 -8.11	27.44 1.04 -10.37	24.58 1.35 -3.43	29.24 1.89 0.00	29.75 1.93 0.00	36.40 2.46 0.00	39.84 2.85 0.00	39.14 2.74 0.00	36.79 2.57 0.00	33.30 2.22 0.00	25.32 1.64 0.00	28.34 1.78 0.00	28.60 1.66 0.00



ELLENBURG_WT_PWR 323604	13.77 -0.09 0.00	19.07 -0.07 0.00	26.26 -0.13 0.00	24.21 0.02 0.00	17.80 0.11 0.00	16.20 0.09 0.00	24.69 0.25 0.00	21.15 0.28 0.00	26.92 0.21 0.00	23.98 0.29 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.00 -0.02 0.00	19.51 -0.29 0.00	27.04 -0.31 0.00	27.37 -0.45 0.00	33.36 -0.58 0.00	36.46 -0.53 0.00	36.01 -0.39 0.00	34.00 -0.22 0.00	30.86 -0.22 0.00	23.40 -0.28 0.00	26.06 -0.50 0.00	26.42 -0.53 0.00
ELM_ST_23_KV_LD_REV_LBMP_A 345012	12.51 -1.35 0.00	17.26 -1.88 0.00	23.92 -2.48 0.00	21.77 -2.43 0.00	15.89 -1.80 0.00	14.49 -1.62 0.00	22.18 -2.27 0.00	14.74 -2.31 3.82	13.15 -2.74 10.82	18.80 -2.39 2.50	11.59 -2.03 6.35	7.72 -1.69 7.72	5.09 -1.75 9.19	7.67 -2.04 10.10	12.55 -2.76 12.04	12.22 -2.95 12.65	16.12 -3.62 14.20	17.37 -4.26 15.36	17.37 -4.19 14.85	16.19 -3.79 14.24	14.75 -3.29 13.04	20.18 -2.67 0.83	24.13 -2.42 0.00	24.84 -2.10 0.00
EMPIRE_CC_1 323656	14.30 0.44 0.00	19.73 0.59 0.00	27.19 0.79 0.00	24.93 0.73 0.00	18.21 0.52 0.00	16.58 0.47 0.00	25.17 0.72 0.00	21.60 0.74 0.00	27.63 0.92 0.00	24.51 0.82 0.00	22.43 0.70 -1.76	20.47 0.59 -2.76	20.09 0.54 -3.53	21.66 0.68 -1.17	28.32 0.96 0.00	28.85 1.03 0.00	35.07 1.13 0.00	38.26 1.26 0.00	37.63 1.22 0.00	35.36 1.14 0.00	32.18 1.10 0.00	24.55 0.87 0.00	27.52 0.96 0.00	27.86 0.92 0.00
EMPIRE_CC_2 323658	14.30 0.44 0.00	19.73 0.59 0.00	27.19 0.79 0.00	24.93 0.73 0.00	18.21 0.52 0.00	16.58 0.47 0.00	25.17 0.72 0.00	21.60 0.74 0.00	27.63 0.92 0.00	24.51 0.82 0.00	22.43 0.70 -1.76	20.47 0.59 -2.76	20.09 0.54 -3.53	21.66 0.68 -1.17	28.32 0.96 0.00	28.85 1.03 0.00	35.07 1.13 0.00	38.26 1.26 0.00	37.63 1.22 0.00	35.36 1.14 0.00	32.18 1.10 0.00	24.55 0.87 0.00	27.52 0.96 0.00	27.86 0.92 0.00
ENORWICH_115KV_TB1 80156	13.76 -0.10 0.00	19.06 -0.08 0.00	26.50 0.09 0.00	24.21 0.02 0.00	17.70 0.01 0.00	16.36 0.25 0.00	25.25 0.80 0.00	21.61 0.75 0.00	27.58 0.87 0.00	24.24 0.56 0.00	19.84 0.41 0.54	16.65 0.38 0.85	15.25 0.32 1.09	20.02 0.57 0.36	28.29 0.94 0.00	28.84 1.02 0.00	35.57 1.63 0.00	38.74 1.74 0.00	37.83 1.43 0.00	35.30 1.08 0.00	32.19 1.11 0.00	24.19 0.52 0.00	27.10 0.55 0.00	27.60 0.65 0.00
ERIE_ST_34_KV_TB1-2 80199	12.81 -1.05 0.00	17.71 -1.44 0.00	24.51 -1.89 0.00	22.30 -1.89 0.00	16.28 -1.41 0.00	14.86 -1.25 0.00	22.74 -1.71 0.00	15.91 -1.79 3.16	15.73 -2.05 8.93	19.85 -1.77 2.07	13.23 -1.51 5.23	9.53 -1.22 6.37	7.10 -1.29 7.63	9.97 -1.43 8.39	15.41 -1.94 10.01	15.15 -2.15 10.51	19.49 -2.65 11.80	21.00 -3.22 12.76	20.87 -3.19 12.34	19.52 -2.86 11.84	17.78 -2.46 10.84	20.90 -2.09 0.69	24.74 -1.82 0.00	25.43 -1.52 0.00
ERIE_WT_PWR 323693	12.57 -1.28 0.00	17.35 -1.79 0.00	24.04 -2.36 0.00	21.87 -2.32 0.00	15.96 -1.73 0.00	14.57 -1.54 0.00	22.30 -2.14 0.00	15.07 -2.18 3.62	13.92 -2.54 10.24	19.07 -2.25 2.37	12.07 -1.90 6.00	8.26 -1.56 7.30	5.69 -1.61 8.72	8.34 -1.88 9.59	13.42 -2.50 11.43	13.13 -2.68 12.01	17.14 -3.31 13.48	18.51 -3.90 14.58	18.46 -3.84 14.10	17.22 -3.48 13.52	15.70 -3.00 12.38	20.37 -2.52 0.79	24.30 -2.26 0.00	25.02 -1.93 0.00
ESPRGFLD_115KV_TB1 80157	14.11 0.26 0.00	19.57 0.42 0.00	27.03 0.62 0.00	24.74 0.55 0.00	18.09 0.40 0.00	16.53 0.42 0.00	25.18 0.73 0.00	21.46 0.59 0.00	27.43 0.72 0.00	24.18 0.49 0.00	20.46 0.49 0.00	17.56 0.44 0.00	16.45 0.44 0.00	20.28 0.47 0.00	28.03 0.68 0.00	28.51 0.69 0.00	34.94 1.00 0.00	38.05 1.05 0.00	37.39 0.99 0.00	35.10 0.88 0.00	31.89 0.81 0.00	24.19 0.52 0.00	27.12 0.57 0.00	27.55 0.60 0.00
ETNA_115_KV_TB1_REV_LBMP_C 345029	13.73 -0.13 0.00	18.96 -0.18 0.00	26.21 -0.19 0.00	23.98 -0.21 0.00	17.53 -0.16 0.00	16.00 -0.11 0.00	24.38 -0.06 0.00	20.77 -0.10 0.00	26.61 -0.09 0.00	23.53 -0.15 0.00	19.84 -0.13 0.00	17.07 -0.06 0.00	15.97 -0.05 0.00	19.83 0.03 0.00	27.39 0.04 0.00	27.80 -0.02 0.00	34.02 0.08 0.00	37.06 0.06 0.00	36.42 0.02 0.00	34.17 -0.05 0.00	31.04 -0.04 0.00	23.55 -0.12 0.00	26.46 -0.10 0.00	26.88 -0.07 0.00
ETNA____115KV_TB2 80207	13.73 -0.13 0.00	18.96 -0.18 0.00	26.21 -0.19 0.00	23.98 -0.21 0.00	17.53 -0.16 0.00	16.00 -0.11 0.00	24.38 -0.06 0.00	20.77 -0.10 0.00	26.61 -0.09 0.00	23.53 -0.15 0.00	19.84 -0.13 0.00	17.07 -0.06 0.00	15.97 -0.05 0.00	19.83 0.03 0.00	27.39 0.04 0.00	27.80 -0.02 0.00	34.02 0.08 0.00	37.06 0.06 0.00	36.42 0.02 0.00	34.17 -0.05 0.00	31.04 -0.04 0.00	23.55 -0.12 0.00	26.46 -0.10 0.00	26.88 -0.07 0.00
EUCLID____115KV_TB2 356179	13.48 -0.38 0.00	18.61 -0.53 0.00	25.69 -0.71 0.00	23.51 -0.68 0.00	17.19 -0.50 0.00	15.66 -0.45 0.00	23.76 -0.68 0.00	20.22 -0.64 0.00	25.94 -0.77 0.00	22.99 -0.70 0.00	19.41 -0.57 0.00	16.67 -0.45 0.00	15.57 -0.45 0.00	19.28 -0.53 0.00	26.58 -0.77 0.00	27.01 -0.80 0.00	32.98 -0.96 0.00	35.92 -1.07 0.00	35.31 -1.09 0.00	33.18 -1.04 0.00	30.15 -0.93 0.00	22.98 -0.70 0.00	25.80 -0.75 0.00	26.21 -0.73 0.00
E_CANADA_CAP_HY 24051	14.32 0.47 0.00	19.84 0.69 0.00	27.38 0.98 0.00	25.07 0.88 0.00	18.32 0.63 0.00	16.75 0.64 0.00	25.45 1.01 0.00	21.71 0.84 0.00	27.72 1.01 0.00	24.38 0.70 0.00	21.40 0.64 -0.79	18.91 0.55 -1.24	18.11 0.51 -1.58	20.81 0.49 -0.52	28.05 0.69 0.00	28.63 0.81 0.00	35.17 1.23 0.00	38.27 1.28 0.00	37.60 1.20 0.00	35.34 1.11 0.00	32.10 1.03 0.00	24.38 0.71 0.00	27.33 0.77 0.00	27.76 0.81 0.00
E_CANADA_MHWK_HY 24050	13.94 0.08 0.00	19.21 0.07 0.00	26.54 0.13 0.00	24.31 0.11 0.00	17.74 0.05 0.00	16.25 0.14 0.00	24.73 0.29 0.00	21.22 0.35 0.00	27.03 0.32 0.00	23.75 0.06 0.00	20.05 0.08 0.00	17.09 -0.03 0.00	15.90 -0.12 0.00	19.60 -0.20 0.00	27.27 -0.08 0.00	28.11 0.29 0.00	34.51 0.57 0.00	37.68 0.69 0.00	37.03 0.63 0.00	34.75 0.53 0.00	31.50 0.42 0.00	23.94 0.27 0.00	26.74 0.19 0.00	27.05 0.11 0.00
E_FISHKILL____LBMP 23776	14.45 0.59 0.00	19.93 0.79 0.00	27.48 1.08 0.00	25.21 1.01 0.00	18.43 0.74 0.00	16.77 0.66 0.00	25.45 1.01 0.00	21.86 0.99 0.00	27.93 1.22 0.00	24.78 1.10 0.00	24.60 1.02 -3.61	23.66 0.87 -5.66	24.11 0.85 -7.24	23.30 1.10 -2.40	28.87 1.52 0.00	29.39 1.57 0.00	35.87 1.93 0.00	39.21 2.22 0.00	38.52 2.12 0.00	36.17 1.95 0.00	32.78 1.70 0.00	24.94 1.26 0.00	27.94 1.38 0.00	28.26 1.32 0.00
FALCON____SEABRD_CC1 323796	13.94 0.08 0.00	19.26 0.12 0.00	26.50 0.10 0.00	24.42 0.22 0.00	17.95 0.26 0.00	16.34 0.23 0.00	24.96 0.51 0.00	21.41 0.55 0.00	27.30 0.59 0.00	24.31 0.62 0.00	20.23 0.25 0.00	17.20 0.07 0.00	16.20 0.18 0.00	19.77 -0.03 0.00	27.41 0.06 0.00	27.77 -0.05 0.00	33.79 -0.15 0.00	36.99 -0.01 0.00	36.48 0.08 0.00	34.40 0.18 0.00	31.26 0.18 0.00	23.72 0.04 0.00	26.42 -0.14 0.00	26.75 -0.19 0.00



FALCON___SEABRD_CC2 323797	13.94 0.08 0.00	19.26 0.12 0.00	26.50 0.10 0.00	24.42 0.22 0.00	17.95 0.26 0.00	16.34 0.23 0.00	24.96 0.51 0.00	21.41 0.55 0.00	27.30 0.59 0.00	24.31 0.62 0.00	20.23 0.25 0.00	17.20 0.07 0.00	16.20 0.18 0.00	19.77 -0.03 0.00	27.41 0.06 0.00	27.77 -0.05 0.00	33.79 -0.15 0.00	36.99 -0.01 0.00	36.48 0.08 0.00	34.40 0.18 0.00	31.26 0.18 0.00	23.72 0.04 0.00	26.42 -0.14 0.00	26.75 -0.19 0.00
FAR ROCKAWAY___4 23548	14.85 1.00 0.00	20.33 1.19 0.00	28.03 1.63 0.00	25.80 1.60 0.00	18.89 1.20 0.00	17.15 1.04 0.00	26.04 1.60 0.00	22.49 1.62 0.00	28.67 1.96 0.00	25.41 1.73 0.00	26.75 1.60 -5.18	26.61 1.37 -8.11	27.60 1.21 -10.37	24.79 1.55 -3.43	29.53 2.18 0.00	30.06 2.25 0.00	36.84 2.90 0.00	40.34 3.35 0.00	39.64 3.24 0.00	37.24 3.02 0.00	33.71 2.63 0.00	25.60 1.93 0.00	28.67 2.11 0.00	28.91 1.96 0.00
FARRAGUT_138_KV_32071_REV_LBMP_J 345003	14.54 0.68 0.00	20.04 0.89 0.00	27.65 1.24 0.00	25.35 1.15 0.00	18.55 0.86 0.00	16.86 0.75 0.00	25.59 1.15 0.00	21.95 1.09 0.00	28.08 1.37 0.00	24.92 1.24 0.00	26.34 1.17 -5.20	26.27 1.01 -8.14	27.43 1.00 -10.41	24.54 1.30 -3.45	29.11 1.76 0.00	29.63 1.81 0.00	36.16 2.22 0.00	39.53 2.54 0.00	38.82 2.42 0.00	36.44 2.22 0.00	33.01 1.93 0.00	25.11 1.43 0.00	28.11 1.56 0.00	28.40 1.45 0.00
FARRAGUT_138_KV_38B01_REV_LBMP_J 345016	14.54 0.69 0.00	20.04 0.90 0.00	27.66 1.26 0.00	25.36 1.17 0.00	18.55 0.87 0.00	16.87 0.76 0.00	25.60 1.15 0.00	21.97 1.10 0.00	28.09 1.38 0.00	24.93 1.24 0.00	26.34 1.17 -5.20	26.28 1.01 -8.14	27.44 1.01 -10.41	24.55 1.30 -3.45	29.12 1.76 0.00	29.63 1.82 0.00	36.17 2.23 0.00	39.55 2.56 0.00	38.84 2.44 0.00	36.46 2.24 0.00	33.02 1.94 0.00	25.12 1.44 0.00	28.13 1.57 0.00	28.41 1.47 0.00
FARRAGUT_138_KV_38M12_REV_LBMP_J 345017	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.58 1.11 0.00	21.95 1.08 0.00	28.07 1.36 0.00	24.91 1.22 0.00	26.33 1.16 -5.20	26.26 1.00 -8.14	27.42 0.99 -10.41	24.53 1.28 -3.45	29.09 1.74 0.00	29.61 1.79 0.00	36.15 2.20 0.00	39.52 2.52 0.00	38.80 2.40 0.00	36.42 2.20 0.00	32.99 1.91 0.00	25.09 1.41 0.00	28.10 1.54 0.00	28.39 1.44 0.00
FARRAGUT___LBMP 323566	14.53 0.67 0.00	20.02 0.87 0.00	27.62 1.22 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.84 0.73 0.00	25.56 1.11 0.00	21.93 1.06 0.00	28.04 1.33 0.00	24.89 1.20 0.00	26.31 1.14 -5.20	26.25 0.98 -8.14	27.41 0.98 -10.41	24.52 1.26 -3.45	29.07 1.71 0.00	29.59 1.77 0.00	36.11 2.17 0.00	39.49 2.49 0.00	38.77 2.37 0.00	36.39 2.17 0.00	32.96 1.88 0.00	25.07 1.39 0.00	28.08 1.52 0.00	28.37 1.42 0.00
FENNER___WINDPWR 24204	13.82 -0.03 0.00	19.12 -0.02 0.00	26.40 0.00 0.00	24.18 -0.02 0.00	17.67 -0.02 0.00	16.12 0.01 0.00	24.59 0.14 0.00	20.98 0.12 0.00	26.89 0.18 0.00	23.76 0.07 0.00	20.04 0.07 0.00	17.21 0.09 0.00	16.08 0.06 0.00	19.90 0.10 0.00	27.54 0.19 0.00	28.00 0.18 0.00	34.18 0.24 0.00	37.21 0.22 0.00	36.54 0.14 0.00	34.33 0.11 0.00	31.15 0.07 0.00	23.68 0.00 0.00	26.56 0.00 0.00	26.94 -0.01 0.00
FIBERTEK___ENERGY 23856	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
FITZPATRICK____ 23598	13.34 -0.51 0.00	18.43 -0.71 0.00	25.43 -0.97 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.50 -0.61 0.00	23.49 -0.95 0.00	19.99 -0.87 0.00	25.64 -1.08 0.00	22.73 -0.96 0.00	19.18 -0.79 0.00	16.47 -0.66 0.00	15.39 -0.63 0.00	19.03 -0.78 0.00	26.22 -1.13 0.00	26.65 -1.17 0.00	32.51 -1.43 0.00	35.41 -1.58 0.00	34.84 -1.57 0.00	32.75 -1.46 0.00	29.76 -1.32 0.00	22.71 -0.96 0.00	25.50 -1.06 0.00	25.91 -1.04 0.00
FLOWRFLD_69_KV_BK1 356044	14.98 1.13 0.00	20.41 1.27 0.00	28.13 1.73 0.00	25.92 1.73 0.00	18.97 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.72 0.00	28.76 2.06 0.00	25.50 1.82 0.00	26.91 1.76 -5.18	26.76 1.52 -8.11	27.64 1.24 -10.37	24.82 1.59 -3.43	29.58 2.23 0.00	30.19 2.37 0.00	37.04 3.10 0.00	40.65 3.66 0.00	39.98 3.58 0.00	37.56 3.34 0.00	33.99 2.91 0.00	25.82 2.14 0.00	28.89 2.33 0.00	29.07 2.13 0.00
FORGEBRK_115_KV_TR1_2_REV_LBMP_G 345010	14.63 0.78 0.00	20.17 1.03 0.00	27.81 1.41 0.00	25.50 1.30 0.00	18.66 0.97 0.00	16.98 0.87 0.00	25.80 1.35 0.00	22.12 1.26 0.00	28.27 1.56 0.00	25.07 1.39 0.00	21.22 1.24 0.00	18.18 1.06 0.00	17.04 1.02 0.00	21.14 1.33 0.00	29.24 1.88 0.00	29.78 1.97 0.00	36.38 2.44 0.00	39.81 2.81 0.00	39.11 2.70 0.00	36.71 2.49 0.00	33.25 2.18 0.00	25.27 1.59 0.00	28.29 1.74 0.00	28.60 1.65 0.00
FORT ORANGE____ 23900	14.36 0.51 0.00	19.82 0.68 0.00	27.32 0.92 0.00	25.04 0.86 0.00	18.30 0.61 0.00	16.67 0.55 0.00	25.31 0.87 0.00	21.72 0.85 0.00	27.80 1.09 0.00	24.60 0.91 0.00	21.96 0.70 -1.29	19.70 0.56 -2.02	19.12 0.51 -2.58	21.33 0.67 -0.86	28.30 0.94 0.00	28.89 1.07 0.00	35.26 1.32 0.00	38.51 1.51 0.00	37.88 1.48 0.00	35.58 1.36 0.00	32.32 1.24 0.00	24.62 0.94 0.00	27.60 1.04 0.00	28.02 1.08 0.00
FORT_DRUM_COGEN 23780	13.16 -0.70 0.00	18.17 -0.97 0.00	24.92 -1.48 0.00	22.95 -1.25 0.00	16.74 -0.95 0.00	15.34 -0.77 0.00	23.33 -1.12 0.00	20.24 -0.62 0.00	26.20 -0.51 0.00	22.83 -0.85 0.00	19.24 -0.73 0.00	16.66 -0.46 0.00	15.44 -0.57 0.00	19.03 -0.77 0.00	26.46 -0.89 0.00	27.02 -0.80 0.00	33.04 -0.90 0.00	35.60 -1.39 0.00	35.05 -1.36 0.00	32.89 -1.33 0.00	29.80 -1.27 0.00	22.61 -1.07 0.00	25.25 -1.31 0.00	25.53 -1.41 0.00
FOX_HILLS___ESR 323835	46.03 0.79 -31.39	45.58 1.04 -25.40	45.32 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.94 1.33 -20.16	46.05 1.25 -23.94	46.45 1.55 -18.19	46.37 1.38 -21.30	47.11 1.27 -25.87	46.58 1.09 -28.37	46.23 1.07 -29.15	46.23 1.39 -25.03	46.97 1.87 -17.74	63.19 1.95 -33.43	47.17 2.40 -10.83	90.20 2.73 -50.47	141.56 2.63 -102.53	84.95 2.46 -48.27	54.66 2.18 -21.40	66.64 1.60 -41.36	47.37 1.79 -19.03	47.02 1.71 -18.37
FPL FAR_ROCK_GT1 24212	14.85 1.00 0.00	20.33 1.18 0.00	28.03 1.63 0.00	25.79 1.60 0.00	18.89 1.20 0.00	17.15 1.04 0.00	26.04 1.60 0.00	22.48 1.62 0.00	28.67 1.96 0.00	25.41 1.73 0.00	26.75 1.60 -5.18	26.61 1.37 -8.11	27.60 1.20 -10.37	24.79 1.56 -3.43	29.53 2.17 0.00	30.06 2.24 0.00	36.84 2.90 0.00	40.33 3.34 0.00	39.63 3.23 0.00	37.24 3.02 0.00	33.70 2.62 0.00	25.60 1.92 0.00	28.66 2.11 0.00	28.90 1.96 0.00



FPL FAR_ROCK_GT2 23815	14.85 1.00 0.00	20.33 1.18 0.00	28.03 1.63 0.00	25.79 1.60 0.00	18.89 1.20 0.00	17.15 1.04 0.00	26.04 1.60 0.00	22.48 1.62 0.00	28.67 1.96 0.00	25.41 1.73 0.00	26.75 1.60 -5.18	26.61 1.37 -8.11	27.60 1.20 -10.37	24.79 1.56 -3.43	29.53 2.17 0.00	30.06 2.24 0.00	36.84 2.90 0.00	40.33 3.34 0.00	39.63 3.23 0.00	37.24 3.02 0.00	33.70 2.62 0.00	25.60 1.92 0.00	28.66 2.11 0.00	28.90 1.96 0.00
FRANKLIN_FALL_HYD 24054	13.91 0.05 0.00	19.18 0.04 0.00	26.39 -0.01 0.00	24.29 0.10 0.00	17.82 0.13 0.00	16.23 0.12 0.00	24.72 0.28 0.00	21.18 0.32 0.00	27.02 0.31 0.00	24.02 0.33 0.00	20.02 0.05 0.00	17.04 -0.08 0.00	16.09 0.07 0.00	19.70 -0.11 0.00	27.32 -0.03 0.00	27.70 -0.12 0.00	33.81 -0.13 0.00	36.90 -0.09 0.00	36.45 0.05 0.00	34.38 0.16 0.00	31.20 0.12 0.00	23.66 -0.02 0.00	26.41 -0.14 0.00	26.84 -0.10 0.00
FREEPORT_EQUS_GT1 23764	14.80 0.95 0.00	20.24 1.09 0.00	27.91 1.50 0.00	25.68 1.49 0.00	18.81 1.12 0.00	17.08 0.97 0.00	25.90 1.46 0.00	22.36 1.49 0.00	28.50 1.79 0.00	25.27 1.59 0.00	26.65 1.50 -5.18	26.52 1.28 -8.11	27.50 1.11 -10.37	24.67 1.43 -3.43	29.36 2.00 0.00	29.87 2.05 0.00	36.60 2.67 0.00	40.12 3.12 0.00	39.41 3.01 0.00	37.04 2.83 0.00	33.53 2.46 0.00	25.50 1.83 0.00	28.55 1.99 0.00	28.79 1.84 0.00
FREEPORT___CT2 23818	14.80 0.95 0.00	20.24 1.09 0.00	27.91 1.50 0.00	25.68 1.49 0.00	18.81 1.12 0.00	17.08 0.97 0.00	25.90 1.46 0.00	22.36 1.49 0.00	28.50 1.79 0.00	25.27 1.59 0.00	26.65 1.50 -5.18	26.52 1.28 -8.11	27.50 1.11 -10.37	24.67 1.43 -3.43	29.36 2.00 0.00	29.87 2.05 0.00	36.60 2.67 0.00	40.12 3.12 0.00	39.41 3.01 0.00	37.04 2.83 0.00	33.53 2.46 0.00	25.50 1.83 0.00	28.55 1.99 0.00	28.79 1.84 0.00
FRESHKLS_33_KV_LOAD 356253	46.03 0.79 -31.39	45.58 1.05 -25.40	45.36 1.50 -17.45	45.36 1.39 -19.78	45.34 1.02 -26.62	45.53 0.89 -28.53	45.96 1.36 -20.16	46.05 1.25 -23.94	46.45 1.54 -18.19	46.36 1.38 -21.30	47.08 1.24 -25.87	46.55 1.05 -28.37	46.20 1.03 -29.15	46.19 1.35 -25.03	46.93 1.84 -17.74	63.15 1.91 -33.43	47.17 2.40 -10.83	90.18 2.72 -50.47	141.55 2.61 -102.53	84.95 2.46 -48.27	54.66 2.18 -21.40	66.63 1.59 -41.36	47.39 1.81 -19.03	47.04 1.73 -18.37
FULTON COGEN____ 23766	13.40 -0.45 0.00	18.51 -0.63 0.00	25.54 -0.86 0.00	23.39 -0.81 0.00	17.09 -0.60 0.00	15.57 -0.54 0.00	23.63 -0.81 0.00	20.12 -0.75 0.00	25.81 -0.90 0.00	22.87 -0.82 0.00	19.31 -0.66 0.00	16.59 -0.54 0.00	15.50 -0.52 0.00	19.19 -0.62 0.00	26.46 -0.90 0.00	26.89 -0.93 0.00	32.84 -1.10 0.00	35.76 -1.23 0.00	35.16 -1.25 0.00	33.04 -1.18 0.00	30.01 -1.07 0.00	22.88 -0.80 0.00	25.68 -0.88 0.00	26.07 -0.87 0.00
FULTON___LFGE 323630	14.46 0.61 0.00	19.99 0.85 0.00	27.58 1.18 0.00	25.25 1.06 0.00	18.46 0.77 0.00	16.87 0.76 0.00	25.67 1.23 0.00	21.96 1.10 0.00	28.03 1.32 0.00	24.65 0.96 0.00	21.81 0.87 -0.96	19.32 0.69 -1.51	18.51 0.56 -1.93	21.02 0.58 -0.64	28.27 0.92 0.00	29.06 1.25 0.00	35.80 1.86 0.00	39.05 2.05 0.00	38.37 1.97 0.00	36.05 1.83 0.00	32.72 1.64 0.00	24.84 1.16 0.00	27.79 1.23 0.00	28.15 1.21 0.00
G.F.CEMENT___DRP 24184	14.46 0.60 0.00	19.90 0.76 0.00	27.41 1.01 0.00	25.13 0.94 0.00	18.35 0.66 0.00	16.73 0.62 0.00	25.50 1.05 0.00	21.91 1.05 0.00	28.09 1.38 0.00	24.94 1.25 0.00	22.27 1.03 -1.27	20.00 0.89 -1.98	19.31 0.76 -2.54	21.55 0.91 -0.84	28.72 1.37 0.00	29.29 1.47 0.00	35.86 1.92 0.00	39.24 2.24 0.00	38.56 2.16 0.00	36.20 1.98 0.00	32.83 1.75 0.00	24.93 1.25 0.00	27.86 1.31 0.00	28.19 1.24 0.00
GARDENVILLE___LBMP 24039	12.53 -1.32 0.00	17.30 -1.85 0.00	23.97 -2.43 0.00	21.81 -2.39 0.00	15.91 -1.77 0.00	14.52 -1.59 0.00	22.23 -2.22 0.00	14.38 -2.26 4.23	12.08 -2.66 11.97	18.60 -2.32 2.76	10.98 -1.97 7.02	6.95 -1.64 8.54	4.16 -1.69 10.17	6.65 -1.96 11.18	11.36 -2.67 13.33	10.96 -2.85 14.00	14.72 -3.49 15.72	15.87 -4.12 17.00	15.91 -4.05 16.44	14.77 -3.68 15.77	13.46 -3.18 14.44	20.16 -2.60 0.92	24.21 -2.34 0.00	24.93 -2.01 0.00
GARDNVLA_35_KV_LD 355827	12.59 -1.26 0.00	17.38 -1.76 0.00	24.07 -2.33 0.00	21.90 -2.30 0.00	15.98 -1.71 0.00	14.58 -1.53 0.00	22.33 -2.11 0.00	15.30 -2.16 3.40	14.55 -2.56 9.60	19.24 -2.22 2.22	12.46 -1.89 5.62	8.72 -1.57 6.84	6.22 -1.62 8.18	8.94 -1.87 9.00	14.10 -2.53 10.72	13.83 -2.72 11.27	17.98 -3.32 12.65	19.40 -3.92 13.68	19.34 -3.84 13.23	18.05 -3.49 12.69	16.45 -3.02 11.61	20.45 -2.48 0.74	24.33 -2.23 0.00	25.05 -1.89 0.00
GELCKHM___115KV_LOAD 80723	13.52 -0.33 0.00	18.68 -0.46 0.00	25.78 -0.62 0.00	23.61 -0.59 0.00	17.25 -0.44 0.00	15.72 -0.39 0.00	23.86 -0.58 0.00	20.31 -0.56 0.00	26.04 -0.67 0.00	23.09 -0.60 0.00	19.49 -0.48 0.00	16.74 -0.38 0.00	15.65 -0.37 0.00	19.37 -0.43 0.00	26.72 -0.64 0.00	27.14 -0.68 0.00	33.15 -0.79 0.00	36.10 -0.90 0.00	35.50 -0.91 0.00	33.34 -0.88 0.00	30.29 -0.79 0.00	23.08 -0.59 0.00	25.92 -0.63 0.00	26.33 -0.62 0.00
GENERAL___MILLS 23808	12.58 -1.28 0.00	17.36 -1.78 0.00	24.05 -2.35 0.00	21.87 -2.32 0.00	15.97 -1.72 0.00	14.57 -1.54 0.00	22.31 -2.13 0.00	15.05 -2.19 3.62	13.89 -2.58 10.24	19.07 -2.25 2.37	12.06 -1.92 6.00	8.24 -1.58 7.30	5.66 -1.64 8.72	8.32 -1.90 9.59	13.36 -2.56 11.43	13.06 -2.75 12.01	17.09 -3.38 13.48	18.44 -3.98 14.58	18.40 -3.90 14.10	17.15 -3.54 13.52	15.63 -3.07 12.38	20.37 -2.52 0.79	24.29 -2.26 0.00	25.02 -1.93 0.00
GE_PLASTICS___DRP 24183	14.25 0.40 0.00	19.68 0.53 0.00	27.13 0.73 0.00	24.87 0.68 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.66 0.00	21.52 0.66 0.00	27.53 0.83 0.00	24.39 0.71 0.00	21.84 0.57 -1.30	19.63 0.48 -2.03	19.05 0.44 -2.59	21.23 0.57 -0.86	28.16 0.80 0.00	28.70 0.88 0.00	34.99 1.05 0.00	38.19 1.19 0.00	37.55 1.15 0.00	35.29 1.07 0.00	32.04 0.97 0.00	24.42 0.74 0.00	27.38 0.82 0.00	27.78 0.83 0.00
GILBOA___1 23756	14.15 0.29 0.00	19.59 0.45 0.00	27.02 0.63 0.00	24.77 0.57 0.00	18.04 0.35 0.00	16.43 0.32 0.00	24.94 0.50 0.00	21.34 0.48 0.00	27.31 0.60 0.00	24.21 0.52 0.00	21.11 0.46 -0.68	18.59 0.40 -1.06	17.76 0.38 -1.36	20.75 0.50 -0.45	28.05 0.69 0.00	28.55 0.73 0.00	34.79 0.85 0.00	37.96 0.97 0.00	37.38 0.98 0.00	35.10 0.89 0.00	31.86 0.78 0.00	24.26 0.59 0.00	27.21 0.65 0.00	27.57 0.62 0.00
GILBOA___2 23757	14.15 0.29 0.00	19.59 0.45 0.00	27.02 0.63 0.00	24.77 0.57 0.00	18.04 0.35 0.00	16.43 0.32 0.00	24.94 0.50 0.00	21.34 0.48 0.00	27.31 0.60 0.00	24.21 0.52 0.00	21.11 0.46 -0.68	18.59 0.40 -1.06	17.76 0.38 -1.36	20.75 0.50 -0.45	28.05 0.69 0.00	28.55 0.73 0.00	34.79 0.85 0.00	37.96 0.97 0.00	37.38 0.98 0.00	35.10 0.89 0.00	31.86 0.78 0.00	24.26 0.59 0.00	27.21 0.65 0.00	27.57 0.62 0.00



GILBOA___3 23758	14.15 0.29 0.00	19.59 0.45 0.00	27.02 0.63 0.00	24.77 0.57 0.00	18.04 0.35 0.00	16.43 0.32 0.00	24.94 0.50 0.00	21.34 0.48 0.00	27.31 0.60 0.00	24.21 0.52 0.00	21.11 0.46 -0.68	18.59 0.40 -1.06	17.76 0.38 -1.36	20.75 0.50 -0.45	28.05 0.69 0.00	28.55 0.73 0.00	34.79 0.85 0.00	37.96 0.97 0.00	37.38 0.98 0.00	35.10 0.89 0.00	31.86 0.78 0.00	24.26 0.59 0.00	27.21 0.65 0.00	27.57 0.62 0.00
GILBOA___4 23759	14.15 0.29 0.00	19.59 0.45 0.00	27.02 0.63 0.00	24.77 0.57 0.00	18.04 0.35 0.00	16.43 0.32 0.00	24.94 0.50 0.00	21.34 0.48 0.00	27.31 0.60 0.00	24.21 0.52 0.00	21.11 0.46 -0.68	18.59 0.40 -1.06	17.76 0.38 -1.36	20.75 0.50 -0.45	28.05 0.69 0.00	28.55 0.73 0.00	34.79 0.85 0.00	37.96 0.97 0.00	37.38 0.98 0.00	35.10 0.89 0.00	31.86 0.78 0.00	24.26 0.59 0.00	27.21 0.65 0.00	27.57 0.62 0.00
GILBOA___ 23599	14.15 0.29 0.00	19.59 0.45 0.00	27.03 0.63 0.00	24.77 0.57 0.00	18.04 0.35 0.00	16.43 0.32 0.00	24.94 0.50 0.00	21.34 0.48 0.00	27.31 0.60 0.00	24.21 0.52 0.00	21.11 0.46 -0.68	18.59 0.40 -1.06	17.76 0.38 -1.36	20.75 0.50 -0.45	28.05 0.70 0.00	28.55 0.73 0.00	34.79 0.85 0.00	37.96 0.97 0.00	37.38 0.98 0.00	35.11 0.89 0.00	31.87 0.79 0.00	24.26 0.59 0.00	27.21 0.65 0.00	27.57 0.63 0.00
GINNA___ 23603	12.59 -1.27 0.00	17.37 -1.77 0.00	24.00 -2.40 0.00	21.92 -2.28 0.00	16.03 -1.66 0.00	14.63 -1.48 0.00	22.31 -2.14 0.00	18.88 -1.98 0.00	24.27 -2.44 0.00	21.56 -2.13 0.00	18.19 -1.78 0.00	15.65 -1.48 0.00	14.55 -1.47 0.00	18.06 -1.75 0.00	24.97 -2.38 0.00	25.33 -2.49 0.00	30.92 -3.02 0.00	33.56 -3.44 0.00	32.97 -3.44 0.00	31.05 -3.17 0.00	28.23 -2.85 0.00	21.43 -2.24 0.00	24.23 -2.32 0.00	24.70 -2.24 0.00
GLEN PARK___ 23778	13.19 -0.66 0.00	18.23 -0.92 0.00	24.99 -1.41 0.00	23.00 -1.20 0.00	16.78 -0.91 0.00	15.38 -0.73 0.00	23.40 -1.04 0.00	20.31 -0.55 0.00	26.27 -0.43 0.00	22.91 -0.77 0.00	19.35 -0.63 0.00	16.78 -0.35 0.00	15.54 -0.48 0.00	19.16 -0.64 0.00	26.66 -0.69 0.00	27.22 -0.59 0.00	33.29 -0.65 0.00	35.81 -1.19 0.00	35.25 -1.15 0.00	33.08 -1.14 0.00	29.97 -1.11 0.00	22.72 -0.95 0.00	25.36 -1.19 0.00	25.64 -1.31 0.00
GLENDALE_27_KV_LOAD 356172	14.65 0.79 0.00	20.17 1.02 0.00	27.82 1.42 0.00	25.50 1.30 0.00	18.66 0.97 0.00	16.96 0.85 0.00	25.74 1.30 0.00	22.10 1.24 0.00	28.26 1.55 0.00	25.09 1.40 0.00	26.50 1.33 -5.20	26.41 1.15 -8.14	27.55 1.13 -10.40	24.70 1.45 -3.44	29.31 1.95 0.00	29.83 2.01 0.00	36.39 2.45 0.00	39.79 2.80 0.00	39.07 2.67 0.00	36.68 2.46 0.00	33.23 2.16 0.00	25.29 1.61 0.00	28.31 1.75 0.00	28.60 1.66 0.00
GLENWOOD_IC_1_G5 23712	14.70 0.84 0.00	20.18 1.04 0.00	27.82 1.42 0.00	25.57 1.37 0.00	18.72 1.03 0.00	17.00 0.89 0.00	25.80 1.36 0.00	22.19 1.33 0.00	28.17 1.46 0.00	25.01 1.32 0.00	26.52 1.37 -5.18	26.32 1.08 -8.11	27.36 0.97 -10.37	24.50 1.26 -3.43	29.11 1.76 0.00	29.63 1.81 0.00	36.22 2.28 0.00	39.65 2.66 0.00	38.94 2.54 0.00	36.58 2.36 0.00	33.11 2.04 0.00	25.18 1.51 0.00	28.20 1.65 0.00	28.64 1.69 0.00
GLENWOOD_IC_2_G1 23688	14.63 0.77 0.00	20.10 0.96 0.00	27.73 1.33 0.00	25.46 1.27 0.00	18.63 0.95 0.00	16.94 0.82 0.00	25.70 1.26 0.00	22.10 1.23 0.00	28.20 1.49 0.00	25.02 1.33 0.00	26.41 1.26 -5.18	26.31 1.07 -8.11	27.39 0.99 -10.37	24.53 1.29 -3.43	29.14 1.78 0.00	29.66 1.84 0.00	36.24 2.30 0.00	39.65 2.66 0.00	38.95 2.55 0.00	36.58 2.36 0.00	33.12 2.05 0.00	25.19 1.52 0.00	28.22 1.66 0.00	28.52 1.57 0.00
GLENWOOD_IC_3_G1 23689	14.63 0.77 0.00	20.10 0.96 0.00	27.73 1.33 0.00	25.46 1.27 0.00	18.63 0.95 0.00	16.94 0.82 0.00	25.70 1.26 0.00	22.10 1.23 0.00	28.20 1.49 0.00	25.02 1.33 0.00	26.41 1.26 -5.18	26.31 1.07 -8.11	27.39 0.99 -10.37	24.53 1.29 -3.43	29.14 1.78 0.00	29.66 1.84 0.00	36.24 2.30 0.00	39.65 2.66 0.00	38.95 2.55 0.00	36.58 2.36 0.00	33.12 2.05 0.00	25.19 1.52 0.00	28.22 1.66 0.00	28.52 1.57 0.00
GLENWOOD___4 23550	14.70 0.84 0.00	20.18 1.04 0.00	27.82 1.42 0.00	25.57 1.37 0.00	18.72 1.03 0.00	17.00 0.89 0.00	25.80 1.36 0.00	22.20 1.34 0.00	28.24 1.53 0.00	25.06 1.38 0.00	26.52 1.37 -5.18	26.35 1.11 -8.11	27.41 1.01 -10.37	24.55 1.31 -3.43	29.17 1.82 0.00	29.69 1.88 0.00	36.30 2.36 0.00	39.73 2.74 0.00	39.02 2.62 0.00	36.65 2.43 0.00	33.19 2.11 0.00	25.24 1.56 0.00	28.27 1.71 0.00	28.64 1.69 0.00
GLENWOOD___5 23614	14.70 0.84 0.00	20.18 1.04 0.00	27.82 1.42 0.00	25.57 1.37 0.00	18.72 1.03 0.00	17.00 0.89 0.00	25.80 1.36 0.00	22.20 1.34 0.00	28.24 1.53 0.00	25.06 1.38 0.00	26.52 1.37 -5.18	26.35 1.11 -8.11	27.41 1.01 -10.37	24.55 1.31 -3.43	29.17 1.82 0.00	29.69 1.88 0.00	36.30 2.36 0.00	39.73 2.74 0.00	39.02 2.62 0.00	36.65 2.43 0.00	33.19 2.11 0.00	25.24 1.56 0.00	28.27 1.71 0.00	28.64 1.69 0.00
GLOBAL GREEN_PORT_GT1 23814	14.78 0.92 0.00	20.11 0.97 0.00	27.74 1.34 0.00	25.60 1.40 0.00	18.76 1.07 0.00	17.04 0.92 0.00	25.95 1.50 0.00	22.46 1.60 0.00	28.60 1.90 0.00	25.40 1.72 0.00	26.83 1.68 -5.18	26.63 1.39 -8.11	27.46 1.07 -10.37	24.57 1.33 -3.43	29.25 1.90 0.00	29.97 2.15 0.00	36.90 2.96 0.00	40.69 3.70 0.00	40.02 3.62 0.00	37.44 3.23 0.00	33.80 2.72 0.00	25.67 1.99 0.00	28.74 2.18 0.00	28.88 1.93 0.00
GLOBE___DSASP 323697	12.21 -1.65 0.00	16.83 -2.31 0.00	23.33 -3.07 0.00	21.21 -2.99 0.00	15.49 -2.20 0.00	14.12 -1.99 0.00	21.57 -2.87 0.00	15.27 -2.83 2.76	15.51 -3.35 7.84	18.87 -3.01 1.81	12.86 -2.50 4.61	9.41 -2.12 5.60	7.11 -2.26 6.65	9.80 -2.70 7.31	14.96 -3.68 8.71	14.78 -3.89 9.15	18.92 -4.75 10.27	20.38 -5.51 11.11	20.25 -5.41 10.74	19.00 -4.91 10.30	17.36 -4.29 9.43	19.71 -3.36 0.60	23.40 -3.16 0.00	24.12 -2.83 0.00
GOETHSLN___LBMP 323567	14.44 0.58 0.00	19.74 0.75 0.15	27.47 1.07 0.00	25.18 0.98 0.00	18.43 0.74 0.00	16.74 0.63 0.00	25.42 0.97 0.00	21.81 0.95 0.00	27.88 1.17 0.00	24.75 1.06 0.00	26.09 1.01 -5.11	26.00 0.88 -8.00	27.24 0.88 -10.34	24.40 1.15 -3.45	28.92 1.56 0.00	29.44 1.62 0.00	35.94 2.00 0.00	39.30 2.30 0.00	38.59 2.18 0.00	36.22 2.00 0.00	32.80 1.72 0.00	24.95 1.28 0.00	27.95 1.39 0.00	28.22 1.28 0.00
GOLAH___69_KV_TB 1_2 80279	13.05 -0.81 0.00	18.00 -1.14 0.00	24.89 -1.51 0.00	22.70 -1.50 0.00	16.59 -1.10 0.00	15.16 -0.95 0.00	23.14 -1.30 0.00	19.52 -1.34 0.00	25.16 -1.56 0.00	22.34 -1.34 0.00	18.85 -1.14 -0.01	16.21 -0.92 -0.01	15.03 -0.99 0.00	18.67 -1.14 0.00	25.84 -1.51 0.00	26.19 -1.63 0.00	31.98 -1.96 0.00	34.66 -2.33 0.00	34.09 -2.31 0.00	32.13 -2.10 0.00	29.23 -1.84 0.00	22.17 -1.51 0.00	25.17 -1.39 0.00	25.70 -1.24 0.00



GOODYEAR_LAKE_HYD 323669	14.09 0.24 0.00	19.51 0.36 0.00	26.95 0.54 0.00	24.67 0.48 0.00	18.02 0.34 0.00	16.45 0.34 0.00	25.06 0.62 0.00	21.39 0.53 0.00	27.36 0.65 0.00	24.20 0.51 0.00	20.47 0.50 0.00	17.57 0.44 0.00	16.45 0.43 0.00	20.34 0.54 0.00	28.14 0.78 0.00	28.61 0.80 0.00	34.97 1.03 0.00	38.14 1.15 0.00	37.49 1.09 0.00	35.19 0.97 0.00	31.95 0.88 0.00	24.24 0.57 0.00	27.18 0.62 0.00	27.57 0.62 0.00
GOUDEY_115_KV_TB6_REV_LBMP_C 345031	13.60 -0.26 0.00	18.82 -0.32 0.00	26.04 -0.36 0.00	23.82 -0.37 0.00	17.39 -0.30 0.00	15.85 -0.26 0.00	24.14 -0.31 0.00	20.52 -0.34 0.00	26.29 -0.42 0.00	23.27 -0.41 0.00	19.00 -0.39 0.58	15.95 -0.26 0.91	14.62 -0.24 1.16	19.19 -0.23 0.38	27.07 -0.28 0.00	27.45 -0.36 0.00	33.51 -0.43 0.00	36.45 -0.54 0.00	35.87 -0.53 0.00	33.64 -0.58 0.00	30.58 -0.50 0.00	23.22 -0.46 0.00	26.14 -0.41 0.00	26.58 -0.37 0.00
GOUDEY___7 23579	13.60 -0.26 0.00	18.82 -0.32 0.00	26.04 -0.36 0.00	23.82 -0.37 0.00	17.39 -0.30 0.00	15.85 -0.26 0.00	24.14 -0.31 0.00	20.52 -0.34 0.00	26.29 -0.42 0.00	23.27 -0.41 0.00	19.00 -0.39 0.58	15.95 -0.26 0.91	14.62 -0.24 1.16	19.19 -0.23 0.38	27.07 -0.28 0.00	27.45 -0.36 0.00	33.51 -0.43 0.00	36.45 -0.54 0.00	35.87 -0.53 0.00	33.64 -0.58 0.00	30.58 -0.50 0.00	23.22 -0.46 0.00	26.14 -0.41 0.00	26.58 -0.37 0.00
GOUDEY___8 23580	13.60 -0.26 0.00	18.82 -0.32 0.00	26.04 -0.36 0.00	23.82 -0.37 0.00	17.39 -0.30 0.00	15.85 -0.26 0.00	24.14 -0.31 0.00	20.52 -0.34 0.00	26.29 -0.42 0.00	23.27 -0.41 0.00	19.00 -0.39 0.58	15.95 -0.26 0.91	14.62 -0.24 1.16	19.19 -0.23 0.38	27.07 -0.28 0.00	27.45 -0.36 0.00	33.51 -0.43 0.00	36.45 -0.54 0.00	35.87 -0.53 0.00	33.64 -0.58 0.00	30.58 -0.50 0.00	23.22 -0.46 0.00	26.14 -0.41 0.00	26.58 -0.37 0.00
GOWANUS_GT1_1 24077	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_2 24078	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_3 24079	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_4 24080	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_5 24084	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_6 24111	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_7 24112	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT1_8 24113	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_1 24114	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_2 24115	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_3 24116	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37



GOWANUS_GT2_4 24117	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_5 24118	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_6 24119	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_7 24120	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT2_8 24121	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_1 24122	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_2 24123	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_3 24124	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_4 24125	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_5 24126	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_6 24127	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_7 24128	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT3_8 24129	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_1 24130	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_2 24131	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37



GOWANUS_GT4_3 24132	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_4 24133	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_5 24134	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_6 24135	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_7 24136	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GOWANUS_GT4_8 24137	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GREENBSH_115KV_TB3 55895	14.28 0.43 0.00	19.72 0.58 0.00	27.19 0.78 0.00	24.92 0.73 0.00	18.20 0.51 0.00	16.58 0.47 0.00	25.17 0.73 0.00	21.59 0.72 0.00	27.62 0.91 0.00	24.46 0.78 0.00	21.93 0.60 -1.35	19.74 0.51 -2.11	19.18 0.46 -2.70	21.30 0.60 -0.89	28.19 0.83 0.00	28.74 0.92 0.00	35.02 1.08 0.00	38.21 1.21 0.00	37.57 1.17 0.00	35.31 1.09 0.00	32.08 1.00 0.00	24.45 0.78 0.00	27.42 0.87 0.00	27.85 0.91 0.00
GREENIDGE_115KV_TB5 80291	13.21 -0.65 0.00	18.26 -0.88 0.00	25.25 -1.15 0.00	23.08 -1.11 0.00	16.86 -0.83 0.00	15.38 -0.73 0.00	23.52 -0.92 0.00	25.57 -0.91 -5.63	41.60 -1.11 -16.00	26.39 -0.99 -3.70	28.47 -0.92 -9.42	27.92 -0.64 -11.44	28.99 -0.62 -13.59	34.04 -0.71 -14.95	44.20 -0.97 -17.81	45.47 -1.06 -18.72	53.60 -1.35 -21.01	58.15 -1.56 -22.72	56.81 -1.56 -21.97	53.80 -1.49 -21.08	49.15 -1.22 -19.29	23.83 -1.07 -1.23	25.54 -1.01 0.00	26.05 -0.90 0.00
GREENIDGE___3 23582	13.21 -0.65 0.00	18.26 -0.88 0.00	25.25 -1.15 0.00	23.08 -1.11 0.00	16.86 -0.83 0.00	15.38 -0.73 0.00	23.52 -0.92 0.00	25.57 -0.91 -5.63	41.60 -1.11 -16.00	26.39 -0.99 -3.70	28.47 -0.92 -9.42	27.92 -0.64 -11.44	28.99 -0.62 -13.59	34.04 -0.71 -14.95	44.20 -0.97 -17.81	45.47 -1.06 -18.72	53.60 -1.35 -21.01	58.15 -1.56 -22.72	56.81 -1.56 -21.97	53.80 -1.49 -21.08	49.15 -1.22 -19.29	23.83 -1.07 -1.23	25.54 -1.01 0.00	26.05 -0.90 0.00
GREENIDGE___4 23583	13.20 -0.65 0.00	18.27 -0.88 0.00	25.25 -1.15 0.00	23.09 -1.11 0.00	16.86 -0.83 0.00	15.38 -0.73 0.00	23.53 -0.92 0.00	25.57 -0.92 -5.63	41.60 -1.11 -16.00	26.39 -0.99 -3.70	28.47 -0.92 -9.42	27.92 -0.65 -11.44	28.99 -0.62 -13.59	34.04 -0.71 -14.95	44.21 -0.96 -17.81	45.48 -1.06 -18.72	53.61 -1.34 -21.01	58.15 -1.56 -22.72	56.82 -1.56 -21.97	53.81 -1.49 -21.08	49.15 -1.22 -19.29	23.83 -1.07 -1.23	25.54 -1.01 0.00	26.05 -0.90 0.00
GREENLWN_69_KV_BK 3 55738	14.79 0.94 0.00	20.16 1.02 0.00	27.79 1.39 0.00	25.60 1.41 0.00	18.74 1.04 0.00	17.00 0.88 0.00	25.76 1.32 0.00	22.23 1.36 0.00	28.29 1.59 0.00	25.08 1.39 0.00	26.55 1.40 -5.18	26.49 1.25 -8.11	27.44 1.04 -10.37	24.58 1.34 -3.43	29.18 1.83 0.00	29.69 1.87 0.00	36.34 2.40 0.00	39.78 2.79 0.00	39.11 2.71 0.00	36.83 2.61 0.00	33.38 2.30 0.00	25.37 1.69 0.00	28.41 1.86 0.00	28.65 1.71 0.00
GREENWD_138_KV_38B11_REV_LBMP_J 345004	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37
GRISSOM___SOLAR 323813	14.47 0.62 0.00	20.00 0.86 0.00	27.58 1.18 0.00	25.25 1.06 0.00	18.46 0.77 0.00	16.87 0.75 0.00	25.66 1.21 0.00	21.96 1.10 0.00	28.03 1.31 0.00	24.65 0.96 0.00	21.85 0.88 -1.00	19.36 0.67 -1.56	18.53 0.52 -1.99	21.00 0.53 -0.66	28.23 0.87 0.00	29.08 1.26 0.00	35.81 1.87 0.00	39.08 2.08 0.00	38.40 2.00 0.00	36.07 1.85 0.00	32.73 1.65 0.00	24.85 1.18 0.00	27.82 1.27 0.00	28.18 1.23 0.00
GROVEVILLE___HYD 323602	14.63 0.78 0.00	20.17 1.03 0.00	27.81 1.41 0.00	25.50 1.30 0.00	18.66 0.97 0.00	16.98 0.87 0.00	25.80 1.35 0.00	22.12 1.26 0.00	28.27 1.56 0.00	25.07 1.39 0.00	21.22 1.24 0.00	18.18 1.06 0.00	17.04 1.02 0.00	21.14 1.33 0.00	29.24 1.88 0.00	29.78 1.97 0.00	36.38 2.44 0.00	39.81 2.81 0.00	39.11 2.70 0.00	36.71 2.49 0.00	33.25 2.18 0.00	25.27 1.59 0.00	28.29 1.74 0.00	28.60 1.65 0.00
GRS_LOCK_115KV_LINE_2_SOLVAY 80269	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00



HAMLTNNY_34_KV_TB 80303	13.60 -0.26 0.00	18.76 -0.38 0.00	25.90 -0.50 0.00	23.70 -0.49 0.00	17.33 -0.35 0.00	15.80 -0.31 0.00	23.99 -0.45 0.00	20.41 -0.45 0.00	26.18 -0.53 0.00	23.20 -0.49 0.00	19.60 -0.37 0.00	16.85 -0.27 0.00	15.74 -0.28 0.00	19.51 -0.29 0.00	26.91 -0.44 0.00	27.34 -0.48 0.00	33.40 -0.55 0.00	36.34 -0.65 0.00	35.76 -0.64 0.00	33.61 -0.61 0.00	30.52 -0.55 0.00	23.23 -0.45 0.00	26.09 -0.47 0.00	26.50 -0.44 0.00
HAMPSHIRE___PAPER_HYD 323593	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.55 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.95 0.00	26.90 -0.92 0.00	32.85 -1.10 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
HARDSCRABBLE_WT_PWR 323673	13.83 -0.02 0.00	19.09 -0.06 0.00	26.39 -0.01 0.00	24.17 -0.02 0.00	17.66 -0.03 0.00	16.20 0.09 0.00	24.67 0.23 0.00	21.14 0.27 0.00	26.90 0.19 0.00	23.57 -0.12 0.00	19.91 -0.07 0.00	16.97 -0.15 0.00	15.82 -0.20 0.00	19.47 -0.33 0.00	27.07 -0.29 0.00	27.84 0.02 0.00	34.18 0.23 0.00	37.22 0.22 0.00	36.55 0.15 0.00	34.33 0.11 0.00	31.15 0.07 0.00	23.68 0.00 0.00	26.47 -0.08 0.00	26.84 -0.11 0.00
HARRIMAN_69_KV_BK771_REV_LBMP_G 345025	14.47 0.61 0.00	19.95 0.80 0.00	27.54 1.14 0.00	25.24 1.05 0.00	18.46 0.78 0.00	16.79 0.68 0.00	25.52 1.08 0.00	21.83 0.96 0.00	27.90 1.19 0.00	24.74 1.06 0.00	12.14 0.96 8.79	4.17 0.81 13.77	-0.80 0.79 17.61	15.01 1.04 5.83	28.83 1.48 0.00	29.38 1.56 0.00	35.91 1.97 0.00	39.25 2.26 0.00	38.57 2.16 0.00	36.21 1.99 0.00	32.79 1.72 0.00	24.92 1.25 0.00	27.92 1.37 0.00	28.21 1.27 0.00
HARSNRAD_115KV_TB1 81005	12.42 -1.43 0.00	17.13 -2.02 0.00	23.74 -2.66 0.00	21.59 -2.61 0.00	15.77 -1.92 0.00	14.39 -1.72 0.00	22.01 -2.43 0.00	15.63 -2.47 2.76	16.06 -2.90 7.74	19.32 -2.57 1.79	13.30 -2.16 4.52	9.80 -1.81 5.51	7.49 -1.89 6.64	10.27 -2.23 7.31	15.62 -3.02 8.71	15.46 -3.21 9.15	19.72 -3.95 10.27	21.25 -4.63 11.11	21.11 -4.55 10.74	19.80 -4.12 10.30	18.08 -3.57 9.43	20.14 -2.93 0.60	23.84 -2.72 0.00	24.54 -2.40 0.00
HARZA MOOSE___RIVER 24016	13.58 -0.27 0.00	18.78 -0.36 0.00	25.84 -0.55 0.00	23.73 -0.46 0.00	17.36 -0.33 0.00	15.88 -0.23 0.00	24.11 -0.33 0.00	20.80 -0.06 0.00	26.85 0.14 0.00	23.56 -0.13 0.00	19.76 -0.22 0.00	17.01 -0.11 0.00	15.84 -0.17 0.00	19.54 -0.27 0.00	27.13 -0.22 0.00	27.67 -0.15 0.00	33.76 -0.18 0.00	36.65 -0.34 0.00	36.07 -0.33 0.00	33.87 -0.35 0.00	30.70 -0.38 0.00	23.31 -0.36 0.00	26.09 -0.46 0.00	26.43 -0.51 0.00
HDSNBRDG_115KV_BRDG_TB1 355580	13.52 -0.33 0.00	18.68 -0.46 0.00	25.78 -0.62 0.00	23.61 -0.59 0.00	17.25 -0.44 0.00	15.71 -0.40 0.00	23.86 -0.58 0.00	20.31 -0.56 0.00	26.04 -0.66 0.00	23.08 -0.61 0.00	19.48 -0.49 0.00	16.74 -0.38 0.00	15.64 -0.38 0.00	19.37 -0.43 0.00	26.72 -0.63 0.00	27.14 -0.68 0.00	33.15 -0.79 0.00	36.11 -0.89 0.00	35.49 -0.91 0.00	33.34 -0.88 0.00	30.29 -0.79 0.00	23.07 -0.60 0.00	25.91 -0.64 0.00	26.32 -0.62 0.00
HELLGATE_13_KV_LD 55870	14.59 0.73 0.00	20.10 0.95 0.00	27.72 1.32 0.00	25.41 1.22 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.63 1.18 0.00	22.01 1.15 0.00	28.13 1.43 0.00	24.96 1.28 0.00	26.41 1.24 -5.20	26.33 1.06 -8.14	27.48 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.88 0.00	36.20 2.25 0.00	39.58 2.59 0.00	38.86 2.46 0.00	36.49 2.27 0.00	33.07 1.99 0.00	25.17 1.49 0.00	28.18 1.62 0.00	28.48 1.53 0.00
HELLGT_W_13_KV_BRUCKNER_REV_LBMP_J 345018	14.59 0.73 0.00	20.10 0.95 0.00	27.72 1.32 0.00	25.41 1.22 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.63 1.18 0.00	22.01 1.15 0.00	28.13 1.43 0.00	24.96 1.28 0.00	26.41 1.24 -5.20	26.33 1.06 -8.14	27.48 1.05 -10.40	24.60 1.35 -3.44	29.16 1.81 0.00	29.69 1.88 0.00	36.20 2.25 0.00	39.58 2.59 0.00	38.86 2.46 0.00	36.49 2.27 0.00	33.07 1.99 0.00	25.17 1.49 0.00	28.18 1.62 0.00	28.48 1.53 0.00
HEMPSTEAD____ 23647	14.70 0.84 0.00	20.13 0.98 0.00	27.75 1.35 0.00	25.53 1.34 0.00	18.70 1.01 0.00	16.98 0.86 0.00	25.75 1.31 0.00	22.21 1.34 0.00	28.28 1.57 0.00	25.09 1.41 0.00	26.52 1.36 -5.18	26.38 1.15 -8.11	27.40 1.00 -10.37	24.54 1.30 -3.43	29.17 1.81 0.00	29.67 1.85 0.00	36.32 2.38 0.00	39.77 2.77 0.00	39.07 2.67 0.00	36.72 2.50 0.00	33.23 2.16 0.00	25.28 1.61 0.00	28.31 1.75 0.00	28.59 1.65 0.00
HEWLETT_69_KV_BK3 55828	14.80 0.95 0.00	20.25 1.11 0.00	27.93 1.53 0.00	25.71 1.51 0.00	18.83 1.14 0.00	17.09 0.98 0.00	25.95 1.50 0.00	22.39 1.53 0.00	28.56 1.85 0.00	25.31 1.63 0.00	26.67 1.52 -5.18	26.54 1.30 -8.11	27.53 1.14 -10.37	24.71 1.48 -3.43	29.42 2.06 0.00	29.94 2.12 0.00	36.67 2.73 0.00	40.16 3.17 0.00	39.46 3.06 0.00	37.07 2.85 0.00	33.56 2.48 0.00	25.49 1.82 0.00	28.54 1.99 0.00	28.80 1.85 0.00
HICKLING___1 23621	13.14 -0.71 0.00	18.23 -0.91 0.00	25.24 -1.16 0.00	23.06 -1.14 0.00	16.82 -0.87 0.00	15.32 -0.79 0.00	23.45 -0.99 0.00	21.87 -1.01 -2.02	31.17 -1.27 -5.73	23.84 -1.16 -1.32	22.23 -1.12 -3.37	20.43 -0.79 -4.09	20.16 -0.72 -4.86	24.33 -0.82 -5.35	32.64 -1.08 -6.37	33.27 -1.24 -6.69	39.93 -1.53 -7.52	43.41 -1.72 -8.13	42.59 -1.68 -7.86	40.00 -1.75 -7.54	36.43 -1.55 -6.90	22.80 -1.32 -0.44	25.33 -1.23 0.00	25.86 -1.08 0.00
HICKLING___2 23622	13.14 -0.71 0.00	18.23 -0.91 0.00	25.24 -1.16 0.00	23.06 -1.14 0.00	16.82 -0.87 0.00	15.32 -0.79 0.00	23.45 -0.99 0.00	21.87 -1.01 -2.02	31.17 -1.27 -5.73	23.84 -1.16 -1.32	22.23 -1.12 -3.37	20.43 -0.79 -4.09	20.16 -0.72 -4.86	24.33 -0.82 -5.35	32.64 -1.08 -6.37	33.27 -1.24 -6.69	39.93 -1.53 -7.52	43.41 -1.72 -8.13	42.59 -1.68 -7.86	40.00 -1.75 -7.54	36.43 -1.55 -6.90	22.80 -1.32 -0.44	25.33 -1.23 0.00	25.86 -1.08 0.00
HIGH FALLS___HY 23754	14.69 0.84 0.00	20.24 1.10 0.00	27.91 1.51 0.00	25.57 1.38 0.00	18.71 1.02 0.00	17.03 0.92 0.00	25.91 1.47 0.00	22.19 1.33 0.00	28.37 1.66 0.00	25.15 1.47 0.00	19.74 1.26 1.49	15.78 0.99 2.33	14.03 0.99 2.98	20.11 1.29 0.99	29.36 2.01 0.00	29.94 2.13 0.00	36.69 2.75 0.00	40.18 3.19 0.00	39.48 3.08 0.00	37.06 2.84 0.00	33.54 2.46 0.00	25.46 1.79 0.00	28.49 1.93 0.00	28.74 1.79 0.00
HIGH_RIVER___SOLAR 323847	14.30 0.45 0.00	19.76 0.62 0.00	27.24 0.84 0.00	24.97 0.78 0.00	18.24 0.55 0.00	16.64 0.53 0.00	25.29 0.84 0.00	21.64 0.77 0.00	27.66 0.95 0.00	24.37 0.69 0.00	21.64 0.56 -1.11	19.36 0.50 -1.74	18.65 0.41 -2.22	20.89 0.35 -0.74	28.03 0.68 0.00	28.76 0.94 0.00	35.30 1.36 0.00	38.51 1.52 0.00	37.86 1.46 0.00	35.57 1.35 0.00	32.28 1.21 0.00	24.55 0.88 0.00	27.50 0.94 0.00	27.87 0.92 0.00



HILLBURN___GT 23639	14.43 0.58 0.00	19.90 0.76 0.00	27.50 1.10 0.00	25.21 1.01 0.00	18.44 0.75 0.00	16.77 0.66 0.00	25.48 1.04 0.00	21.81 0.95 0.00	27.89 1.18 0.00	24.74 1.05 0.00	11.50 0.96 9.44	3.16 0.81 14.78	-2.09 0.79 18.90	14.57 1.02 6.26	28.80 1.45 0.00	29.34 1.52 0.00	35.85 1.91 0.00	39.20 2.21 0.00	38.51 2.11 0.00	36.17 1.95 0.00	32.76 1.68 0.00	24.89 1.22 0.00	27.90 1.34 0.00	28.18 1.24 0.00
HILLSIDE_115KV_TB1 80332	13.16 -0.70 0.00	18.25 -0.89 0.00	25.29 -1.12 0.00	23.11 -1.09 0.00	16.85 -0.84 0.00	15.34 -0.77 0.00	23.44 -1.00 0.00	21.66 -0.99 -1.79	30.55 -1.25 -5.09	23.71 -1.15 -1.18	21.86 -1.11 -2.99	19.96 -0.80 -3.63	19.60 -0.73 -4.32	23.72 -0.83 -4.75	31.93 -1.08 -5.66	32.49 -1.27 -5.94	39.05 -1.57 -6.67	42.39 -1.82 -7.22	41.64 -1.74 -6.98	39.12 -1.80 -6.69	35.63 -1.58 -6.13	22.74 -1.32 -0.39	25.28 -1.27 0.00	25.77 -1.17 0.00
HISHELDN_WT_PWR 323625	12.34 -1.51 0.00	17.07 -2.07 0.00	23.67 -2.73 0.00	21.53 -2.66 0.00	15.71 -1.98 0.00	14.32 -1.79 0.00	21.92 -2.52 0.00	8.83 -2.47 9.56	-3.41 -2.95 27.17	14.77 -2.64 6.28	1.76 -2.23 15.98	-4.10 -1.81 19.42	-8.85 -1.78 23.09	-7.72 -2.13 25.39	-5.75 -2.84 30.26	-6.98 -3.01 31.79	-5.43 -3.68 35.69	-5.82 -4.22 38.60	-5.06 -4.14 37.33	-5.43 -3.85 35.80	-5.08 -3.38 32.77	18.76 -2.83 2.09	23.94 -2.62 0.00	24.67 -2.28 0.00
HOLTSVILLE_IC_1 23690	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
HOLTSVILLE_IC_10 23699	14.98 1.12 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.20 1.75 0.00	22.62 1.75 0.00	28.80 2.10 0.00	25.54 1.86 0.00	26.94 1.79 -5.18	26.78 1.54 -8.11	27.65 1.25 -10.37	24.84 1.60 -3.43	29.60 2.24 0.00	30.21 2.39 0.00	37.07 3.13 0.00	40.67 3.68 0.00	40.00 3.60 0.00	37.59 3.37 0.00	34.00 2.93 0.00	25.84 2.16 0.00	28.90 2.35 0.00	29.10 2.15 0.00
HOLTSVILLE_IC_2 23691	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
HOLTSVILLE_IC_3 23692	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
HOLTSVILLE_IC_4 23693	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
HOLTSVILLE_IC_5 23694	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
HOLTSVILLE_IC_6 23695	14.98 1.12 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.20 1.75 0.00	22.62 1.75 0.00	28.80 2.10 0.00	25.54 1.86 0.00	26.94 1.79 -5.18	26.78 1.54 -8.11	27.65 1.25 -10.37	24.84 1.60 -3.43	29.60 2.24 0.00	30.21 2.39 0.00	37.07 3.13 0.00	40.67 3.68 0.00	40.00 3.60 0.00	37.59 3.37 0.00	34.00 2.93 0.00	25.84 2.16 0.00	28.90 2.35 0.00	29.10 2.15 0.00
HOLTSVILLE_IC_7 23696	14.98 1.12 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.20 1.75 0.00	22.62 1.75 0.00	28.80 2.10 0.00	25.54 1.86 0.00	26.94 1.79 -5.18	26.78 1.54 -8.11	27.65 1.25 -10.37	24.84 1.60 -3.43	29.60 2.24 0.00	30.21 2.39 0.00	37.07 3.13 0.00	40.67 3.68 0.00	40.00 3.60 0.00	37.59 3.37 0.00	34.00 2.93 0.00	25.84 2.16 0.00	28.90 2.35 0.00	29.10 2.15 0.00
HOLTSVILLE_IC_8 23697	14.98 1.12 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.20 1.75 0.00	22.62 1.75 0.00	28.80 2.10 0.00	25.54 1.86 0.00	26.94 1.79 -5.18	26.78 1.54 -8.11	27.65 1.25 -10.37	24.84 1.60 -3.43	29.60 2.24 0.00	30.21 2.39 0.00	37.07 3.13 0.00	40.67 3.68 0.00	40.00 3.60 0.00	37.59 3.37 0.00	34.00 2.93 0.00	25.84 2.16 0.00	28.90 2.35 0.00	29.10 2.15 0.00
HOLTSVILLE_IC_9 23698	14.98 1.12 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.20 1.75 0.00	22.62 1.75 0.00	28.80 2.10 0.00	25.54 1.86 0.00	26.94 1.79 -5.18	26.78 1.54 -8.11	27.65 1.25 -10.37	24.84 1.60 -3.43	29.60 2.24 0.00	30.21 2.39 0.00	37.07 3.13 0.00	40.67 3.68 0.00	40.00 3.60 0.00	37.59 3.37 0.00	34.00 2.93 0.00	25.84 2.16 0.00	28.90 2.35 0.00	29.10 2.15 0.00
HOMER_HL_115KV_TB2 355744	13.04 -0.82 0.00	18.15 -1.00 0.00	25.23 -1.17 0.00	22.99 -1.21 0.00	16.74 -0.94 0.00	15.28 -0.83 0.00	23.28 -1.16 0.00	18.97 -1.35 0.55	23.42 -1.54 1.76	21.92 -1.32 0.44	17.66 -1.20 1.11	14.89 -0.87 1.36	13.52 -0.85 1.64	17.11 -0.88 1.81	23.97 -1.22 2.16	24.00 -1.55 2.26	29.21 -2.19 2.54	31.35 -2.89 2.75	30.78 -2.96 2.66	29.06 -2.61 2.55	26.44 -2.31 2.34	21.63 -1.90 0.15	25.14 -1.42 0.00	25.82 -1.13 0.00
HOWARD_WT_PWR 323690	12.22 -1.64 0.00	16.98 -2.16 0.00	23.43 -2.97 0.00	21.44 -2.75 0.00	15.65 -2.04 0.00	14.23 -1.88 0.00	21.83 -2.61 0.00	29.70 -2.46 -11.30	55.76 -3.08 -32.13	28.36 -2.75 -7.42	36.54 -2.34 -18.90	38.25 -1.84 -22.96	41.52 -1.78 -27.28	47.62 -2.17 -29.99	60.18 -2.91 -35.74	62.38 -2.99 -37.55	72.49 -3.60 -42.16	79.01 -3.57 -45.59	76.82 -3.67 -44.09	72.64 -3.86 -42.28	66.40 -3.39 -38.71	23.41 -2.73 -2.47	23.89 -2.67 0.00	24.62 -2.32 0.00



HQ_GEN_CEDARS 23644	13.95 0.09 0.00	19.36 0.22 0.00	26.69 0.29 0.00	24.48 0.29 0.00	17.93 0.25 0.00	16.33 0.22 0.00	24.73 0.29 0.00	21.12 0.25 0.00	26.98 0.28 0.00	23.96 0.28 0.00	20.14 0.17 0.00	17.23 0.10 0.00	16.16 0.14 0.00	19.91 0.10 0.00	27.56 0.21 0.00	28.00 0.18 0.00	34.15 0.21 0.00	36.95 -0.04 0.00	36.65 0.25 0.00	34.49 0.28 0.00	31.36 0.28 0.00	23.85 0.17 0.00	26.75 0.20 0.00	27.26 0.31 0.00
HQ_GEN_CEDARS_PROXY 323590	13.95 0.09 0.00	19.36 0.22 0.00	26.69 0.29 0.00	24.48 0.29 0.00	17.93 0.25 0.00	16.33 0.22 0.00	24.74 0.29 0.00	21.12 0.25 0.00	26.98 0.28 0.00	23.96 0.28 0.00	20.14 0.17 0.00	17.23 0.10 0.00	16.16 0.14 0.00	19.91 0.11 0.00	27.56 0.21 0.00	28.00 0.18 0.00	35.33 0.20 -1.18	36.95 -0.04 0.00	36.65 0.25 0.00	34.49 0.27 0.00	31.36 0.28 0.00	23.85 0.17 0.00	26.75 0.20 0.00	27.26 0.31 0.00
HQ_GEN_IMPORT 323601	13.93 0.07 0.00	19.25 0.11 0.00	26.53 0.13 0.00	24.33 0.14 0.00	17.81 0.12 0.00	16.21 0.10 0.00	24.59 0.15 0.00	20.99 0.12 0.00	26.84 0.13 0.00	23.83 0.15 0.00	20.06 0.09 0.00	17.18 0.05 0.00	16.09 0.07 0.00	19.86 0.05 0.00	26.75 0.09 0.70	27.88 0.07 0.00	34.01 0.07 0.00	37.05 0.05 0.00	36.49 0.09 0.00	34.33 0.11 0.00	31.20 0.12 0.00	23.75 0.07 0.00	26.62 0.07 0.00	27.05 0.10 0.00
HQ_GEN_WHEEL 23651	13.93 0.07 0.00	19.25 0.11 0.00	26.53 0.13 0.00	24.33 0.14 0.00	17.81 0.12 0.00	16.21 0.10 0.00	24.59 0.15 0.00	20.99 0.12 0.00	26.84 0.13 0.00	23.83 0.15 0.00	20.06 0.09 0.00	17.18 0.05 0.00	16.09 0.07 0.00	19.86 0.05 0.00	26.75 0.09 0.70	27.88 0.07 0.00	34.01 0.07 0.00	37.05 0.05 0.00	36.49 0.09 0.00	34.33 0.11 0.00	31.20 0.12 0.00	23.75 0.07 0.00	26.62 0.07 0.00	27.05 0.10 0.00
HUDSON AVE_GT_3 23810	14.54 0.69 0.00	20.04 0.90 0.00	27.67 1.27 0.00	25.37 1.17 0.00	18.55 0.87 0.00	16.87 0.76 0.00	25.60 1.16 0.00	21.97 1.10 0.00	28.09 1.39 0.00	24.94 1.25 0.00	26.36 1.18 -5.20	26.29 1.02 -8.14	27.45 1.01 -10.41	24.56 1.31 -3.45	29.13 1.77 0.00	29.65 1.83 0.00	36.18 2.24 0.00	39.56 2.57 0.00	38.85 2.45 0.00	36.46 2.24 0.00	33.02 1.94 0.00	25.12 1.44 0.00	28.13 1.57 0.00	28.42 1.47 0.00
HUDSON AVE_GT_4 23540	14.54 0.69 0.00	20.04 0.90 0.00	27.67 1.27 0.00	25.37 1.17 0.00	18.55 0.87 0.00	16.87 0.76 0.00	25.60 1.16 0.00	21.97 1.10 0.00	28.09 1.39 0.00	24.94 1.25 0.00	26.36 1.18 -5.20	26.29 1.02 -8.14	27.45 1.01 -10.41	24.56 1.31 -3.45	29.13 1.77 0.00	29.65 1.83 0.00	36.18 2.24 0.00	39.56 2.57 0.00	38.85 2.45 0.00	36.46 2.24 0.00	33.02 1.94 0.00	25.12 1.44 0.00	28.13 1.57 0.00	28.42 1.47 0.00
HUDSON AVE_GT_5 23657	14.54 0.69 0.00	20.04 0.90 0.00	27.67 1.27 0.00	25.37 1.17 0.00	18.55 0.87 0.00	16.87 0.76 0.00	25.60 1.16 0.00	21.97 1.10 0.00	28.09 1.39 0.00	24.94 1.25 0.00	26.36 1.18 -5.20	26.29 1.02 -8.14	27.45 1.01 -10.41	24.56 1.31 -3.45	29.13 1.77 0.00	29.65 1.83 0.00	36.18 2.24 0.00	39.56 2.57 0.00	38.85 2.45 0.00	36.46 2.24 0.00	33.02 1.94 0.00	25.12 1.44 0.00	28.13 1.57 0.00	28.42 1.47 0.00
HUDSON_AVE_10 24168	14.49 0.63 0.00	19.97 0.82 0.00	27.55 1.15 0.00	25.26 1.06 0.00	18.48 0.79 0.00	16.80 0.69 0.00	25.49 1.04 0.00	21.86 0.99 0.00	27.96 1.25 0.00	24.81 1.13 0.00	26.25 1.09 -5.20	26.20 0.94 -8.14	27.36 0.93 -10.41	24.45 1.20 -3.45	28.96 1.61 0.00	29.47 1.65 0.00	35.97 2.03 0.00	39.33 2.34 0.00	38.63 2.23 0.00	36.26 2.04 0.00	32.85 1.77 0.00	24.98 1.30 0.00	27.97 1.42 0.00	28.26 1.31 0.00
HUDSON___115KV_TB 4 355613	14.55 0.70 0.00	20.08 0.93 0.00	27.66 1.26 0.00	25.36 1.17 0.00	18.52 0.83 0.00	16.88 0.77 0.00	25.68 1.24 0.00	22.05 1.19 0.00	28.25 1.54 0.00	24.97 1.29 0.00	21.97 0.95 -1.04	19.47 0.72 -1.63	18.75 0.65 -2.09	21.35 0.86 -0.69	28.58 1.23 0.00	29.28 1.46 0.00	35.91 1.97 0.00	39.27 2.27 0.00	38.64 2.24 0.00	36.28 2.06 0.00	32.93 1.85 0.00	25.05 1.37 0.00	28.05 1.49 0.00	28.44 1.49 0.00
HUNTER MOUNT___DRP 323613	14.63 0.77 0.00	20.18 1.04 0.00	27.80 1.40 0.00	25.49 1.29 0.00	18.61 0.92 0.00	16.98 0.87 0.00	25.84 1.40 0.00	22.19 1.33 0.00	28.43 1.73 0.00	25.13 1.45 0.00	21.72 1.04 -0.71	19.04 0.81 -1.11	18.16 0.73 -1.41	21.22 0.95 -0.47	28.72 1.37 0.00	29.43 1.61 0.00	36.16 2.22 0.00	39.56 2.57 0.00	38.92 2.52 0.00	36.53 2.32 0.00	33.14 2.07 0.00	25.21 1.53 0.00	28.22 1.66 0.00	28.60 1.66 0.00
HUNTINGTON_RES_REC 323705	14.88 1.02 0.00	20.26 1.12 0.00	27.93 1.53 0.00	25.73 1.54 0.00	18.83 1.14 0.00	17.08 0.97 0.00	25.92 1.48 0.00	22.37 1.51 0.00	28.48 1.78 0.00	25.25 1.56 0.00	26.70 1.55 -5.18	26.59 1.36 -8.11	27.50 1.11 -10.37	24.67 1.43 -3.43	29.32 1.96 0.00	29.89 2.07 0.00	36.64 2.70 0.00	40.17 3.17 0.00	39.51 3.10 0.00	37.17 2.95 0.00	33.66 2.58 0.00	25.58 1.91 0.00	28.62 2.07 0.00	28.83 1.89 0.00
HUNTLEY___63 23557	12.49 -1.37 0.00	17.23 -1.92 0.00	23.87 -2.53 0.00	21.71 -2.49 0.00	15.85 -1.83 0.00	14.47 -1.64 0.00	22.14 -2.30 0.00	15.55 -2.34 2.97	15.59 -2.73 8.39	19.33 -2.42 1.94	13.04 -2.02 4.91	9.45 -1.69 5.98	7.07 -1.80 7.15	9.82 -2.12 7.87	15.10 -2.87 9.38	14.91 -3.06 9.85	19.15 -3.73 11.06	20.63 -4.40 11.96	20.51 -4.32 11.56	19.21 -3.92 11.09	17.53 -3.39 10.15	20.28 -2.75 0.65	24.05 -2.51 0.00	24.75 -2.20 0.00
HUNTLEY___64 23558	12.49 -1.37 0.00	17.23 -1.92 0.00	23.87 -2.53 0.00	21.71 -2.49 0.00	15.85 -1.83 0.00	14.47 -1.64 0.00	22.14 -2.30 0.00	15.55 -2.34 2.97	15.59 -2.73 8.39	19.33 -2.42 1.94	13.04 -2.02 4.91	9.45 -1.69 5.98	7.07 -1.80 7.15	9.82 -2.12 7.87	15.10 -2.87 9.38	14.91 -3.06 9.85	19.15 -3.73 11.06	20.63 -4.40 11.96	20.51 -4.32 11.56	19.21 -3.92 11.09	17.53 -3.39 10.15	20.28 -2.75 0.65	24.05 -2.51 0.00	24.75 -2.20 0.00
HUNTLEY___65 23559	12.49 -1.37 0.00	17.23 -1.92 0.00	23.87 -2.53 0.00	21.71 -2.49 0.00	15.85 -1.83 0.00	14.47 -1.64 0.00	22.14 -2.30 0.00	15.55 -2.34 2.97	15.59 -2.73 8.39	19.33 -2.42 1.94	13.04 -2.02 4.91	9.45 -1.69 5.98	7.07 -1.80 7.15	9.82 -2.12 7.87	15.10 -2.87 9.38	14.91 -3.06 9.85	19.15 -3.73 11.06	20.63 -4.40 11.96	20.51 -4.32 11.56	19.21 -3.92 11.09	17.53 -3.39 10.15	20.28 -2.75 0.65	24.05 -2.51 0.00	24.75 -2.20 0.00
HUNTLEY___66 23560	12.49 -1.37 0.00	17.23 -1.92 0.00	23.87 -2.53 0.00	21.71 -2.49 0.00	15.85 -1.83 0.00	14.47 -1.64 0.00	22.14 -2.30 0.00	15.55 -2.34 2.97	15.59 -2.73 8.39	19.33 -2.42 1.94	13.04 -2.02 4.91	9.45 -1.69 5.98	7.07 -1.80 7.15	9.82 -2.12 7.87	15.10 -2.87 9.38	14.91 -3.06 9.85	19.15 -3.73 11.06	20.63 -4.40 11.96	20.51 -4.32 11.56	19.21 -3.92 11.09	17.53 -3.39 10.15	20.28 -2.75 0.65	24.05 -2.51 0.00	24.75 -2.20 0.00



HUNTLEY___67 23561	12.44 -1.42 0.00	17.17 -1.98 0.00	23.78 -2.62 0.00	21.63 -2.56 0.00	15.79 -1.90 0.00	14.41 -1.70 0.00	22.03 -2.42 0.00	14.94 -2.45 3.48	13.90 -2.92 9.88	18.85 -2.56 2.28	12.00 -2.17 5.80	8.26 -1.82 7.05	5.76 -1.88 8.38	8.40 -2.19 9.21	13.39 -2.98 10.98	13.11 -3.17 11.53	17.10 -3.89 12.95	18.43 -4.56 14.01	18.38 -4.48 13.54	17.18 -4.05 12.99	15.66 -3.52 11.89	20.08 -2.84 0.76	23.95 -2.61 0.00	24.66 -2.29 0.00
HUNTLEY___68 23562	12.44 -1.42 0.00	17.17 -1.98 0.00	23.78 -2.62 0.00	21.63 -2.56 0.00	15.79 -1.90 0.00	14.41 -1.70 0.00	22.03 -2.42 0.00	14.94 -2.45 3.48	13.90 -2.92 9.88	18.85 -2.56 2.28	12.00 -2.17 5.80	8.26 -1.82 7.05	5.76 -1.88 8.38	8.40 -2.19 9.21	13.39 -2.98 10.98	13.11 -3.17 11.53	17.10 -3.89 12.95	18.43 -4.56 14.01	18.38 -4.48 13.54	17.18 -4.05 12.99	15.66 -3.52 11.89	20.08 -2.84 0.76	23.95 -2.61 0.00	24.66 -2.29 0.00
HYLAND___LFGE 323620	13.27 -0.59 0.00	18.34 -0.81 0.00	25.37 -1.03 0.00	23.16 -1.04 0.00	16.96 -0.72 0.00	15.50 -0.61 0.00	23.77 -0.67 0.00	32.44 -0.73 -12.31	60.91 -0.83 -35.04	31.04 -0.75 -8.10	39.79 -0.82 -20.63	41.61 -0.58 -25.07	45.10 -0.69 -29.78	51.76 -0.79 -32.74	65.50 -0.87 -39.02	67.98 -0.83 -41.00	79.11 -0.86 -46.02	86.00 -0.76 -49.77	83.72 -0.81 -48.13	79.55 -0.83 -46.16	72.59 -0.76 -42.26	25.55 -0.82 -2.69	25.90 -0.66 0.00	26.48 -0.46 0.00
INDECK___CORINTH 23802	14.26 0.40 0.00	19.62 0.48 0.00	27.03 0.63 0.00	24.79 0.59 0.00	18.10 0.41 0.00	16.50 0.39 0.00	25.15 0.71 0.00	21.61 0.74 0.00	27.69 0.98 0.00	24.58 0.89 0.00	21.96 0.73 -1.25	19.73 0.64 -1.96	19.07 0.53 -2.51	21.27 0.63 -0.83	28.34 0.98 0.00	28.88 1.06 0.00	35.37 1.44 0.00	38.72 1.72 0.00	38.02 1.62 0.00	35.70 1.48 0.00	32.38 1.30 0.00	24.59 0.91 0.00	27.48 0.92 0.00	27.82 0.87 0.00
INDECK___ILION 23567	13.92 0.06 0.00	19.22 0.07 0.00	26.51 0.11 0.00	24.30 0.10 0.00	17.75 0.06 0.00	16.21 0.09 0.00	24.62 0.18 0.00	21.07 0.21 0.00	26.93 0.22 0.00	23.78 0.09 0.00	20.07 0.09 0.00	17.17 0.04 0.00	16.02 0.00 0.00	19.78 -0.02 0.00	27.41 0.05 0.00	28.03 0.21 0.00	34.28 0.34 0.00	37.41 0.41 0.00	36.78 0.38 0.00	34.55 0.33 0.00	31.35 0.27 0.00	23.86 0.19 0.00	26.71 0.16 0.00	27.06 0.12 0.00
INDECK___OLEAN 23982	13.04 -0.82 0.00	18.15 -1.00 0.00	25.23 -1.17 0.00	22.98 -1.21 0.00	16.74 -0.95 0.00	15.28 -0.83 0.00	23.29 -1.15 0.00	18.98 -1.33 0.55	23.45 -1.51 1.76	21.93 -1.32 0.44	17.68 -1.18 1.11	14.91 -0.86 1.36	13.55 -0.83 1.64	17.13 -0.87 1.81	24.02 -1.17 2.16	24.06 -1.50 2.26	29.26 -2.14 2.54	31.41 -2.83 2.75	30.83 -2.91 2.66	29.11 -2.56 2.55	26.50 -2.25 2.34	21.63 -1.90 0.15	25.15 -1.41 0.00	25.81 -1.13 0.00
INDECK___OSWEGO 23783	13.36 -0.49 0.00	18.46 -0.68 0.00	25.47 -0.93 0.00	23.33 -0.87 0.00	17.05 -0.64 0.00	15.53 -0.58 0.00	23.54 -0.90 0.00	20.06 -0.81 0.00	25.74 -0.97 0.00	22.80 -0.89 0.00	19.24 -0.73 0.00	16.53 -0.59 0.00	15.44 -0.58 0.00	19.10 -0.71 0.00	26.33 -1.02 0.00	26.76 -1.05 0.00	32.68 -1.26 0.00	35.55 -1.44 0.00	34.98 -1.43 0.00	32.87 -1.35 0.00	29.85 -1.22 0.00	22.78 -0.89 0.00	25.57 -0.99 0.00	25.96 -0.98 0.00
INDECK___YERKES 23781	12.50 -1.36 0.00	17.24 -1.91 0.00	23.88 -2.52 0.00	21.72 -2.47 0.00	15.86 -1.83 0.00	14.48 -1.63 0.00	22.16 -2.28 0.00	15.58 -2.31 2.97	15.65 -2.67 8.39	19.36 -2.39 1.94	13.07 -1.99 4.91	9.49 -1.65 5.98	7.11 -1.76 7.15	9.86 -2.08 7.87	15.21 -2.77 9.38	15.01 -2.96 9.85	19.24 -3.64 11.06	20.75 -4.28 11.96	20.61 -4.23 11.56	19.32 -3.81 11.09	17.64 -3.29 10.15	20.30 -2.73 0.65	24.07 -2.48 0.00	24.76 -2.18 0.00
INDIAN POINT_GT_1 24139	14.46 0.60 0.00	19.92 0.78 0.00	27.51 1.11 0.00	25.22 1.03 0.00	18.45 0.76 0.00	16.77 0.67 0.00	25.48 1.04 0.00	21.84 0.98 0.00	27.91 1.20 0.00	24.76 1.08 0.00	26.60 1.00 -5.63	26.79 0.85 -8.81	28.12 0.83 -11.27	24.62 1.08 -3.73	28.86 1.51 0.00	29.39 1.57 0.00	35.90 1.96 0.00	39.25 2.26 0.00	38.55 2.15 0.00	36.20 1.98 0.00	32.80 1.72 0.00	24.94 1.26 0.00	27.94 1.38 0.00	28.24 1.29 0.00
INDIAN POINT_GT_2 23659	14.46 0.60 0.00	19.92 0.78 0.00	27.51 1.11 0.00	25.22 1.03 0.00	18.45 0.76 0.00	16.77 0.67 0.00	25.48 1.04 0.00	21.84 0.98 0.00	27.91 1.20 0.00	24.76 1.08 0.00	26.60 1.00 -5.63	26.79 0.85 -8.81	28.12 0.83 -11.27	24.62 1.08 -3.73	28.86 1.51 0.00	29.39 1.57 0.00	35.90 1.96 0.00	39.25 2.26 0.00	38.55 2.15 0.00	36.20 1.98 0.00	32.80 1.72 0.00	24.94 1.26 0.00	27.94 1.38 0.00	28.24 1.29 0.00
INDIAN POINT_GT_3 24019	14.46 0.60 0.00	19.92 0.78 0.00	27.51 1.11 0.00	25.22 1.03 0.00	18.45 0.76 0.00	16.77 0.67 0.00	25.48 1.04 0.00	21.84 0.98 0.00	27.91 1.20 0.00	24.76 1.08 0.00	26.60 1.00 -5.63	26.79 0.85 -8.81	28.12 0.83 -11.27	24.62 1.08 -3.73	28.86 1.51 0.00	29.39 1.57 0.00	35.90 1.96 0.00	39.25 2.26 0.00	38.55 2.15 0.00	36.20 1.98 0.00	32.80 1.72 0.00	24.94 1.26 0.00	27.94 1.38 0.00	28.24 1.29 0.00
INDIAN POINT___2 23530	14.43 0.58 0.00	19.90 0.76 0.00	27.49 1.08 0.00	25.19 1.00 0.00	18.43 0.74 0.00	16.75 0.64 0.00	25.45 1.01 0.00	21.80 0.94 0.00	27.86 1.15 0.00	24.72 1.03 0.00	27.78 0.96 -6.85	28.66 0.81 -10.72	30.52 0.79 -13.71	25.38 1.04 -4.54	28.80 1.44 0.00	29.33 1.51 0.00	35.83 1.89 0.00	39.17 2.18 0.00	38.48 2.08 0.00	36.13 1.91 0.00	32.74 1.66 0.00	24.89 1.21 0.00	27.89 1.33 0.00	28.18 1.24 0.00
INDIAN POINT___3 23531	14.45 0.59 0.00	19.92 0.78 0.00	27.49 1.09 0.00	25.21 1.02 0.00	18.45 0.76 0.00	16.77 0.66 0.00	25.46 1.02 0.00	21.82 0.96 0.00	27.90 1.19 0.00	24.75 1.06 0.00	26.66 0.99 -5.71	26.91 0.84 -8.94	28.27 0.82 -11.43	24.65 1.06 -3.78	28.84 1.49 0.00	29.36 1.55 0.00	35.86 1.92 0.00	39.22 2.22 0.00	38.52 2.12 0.00	36.17 1.95 0.00	32.77 1.69 0.00	24.92 1.24 0.00	27.92 1.36 0.00	28.22 1.27 0.00
INGHAM_C_115KV_TB7 356103	13.94 0.08 0.00	19.21 0.07 0.00	26.54 0.13 0.00	24.31 0.11 0.00	17.74 0.05 0.00	16.25 0.14 0.00	24.73 0.29 0.00	21.22 0.35 0.00	27.03 0.32 0.00	23.75 0.06 0.00	20.05 0.08 0.00	17.09 -0.03 0.00	15.90 -0.12 0.00	19.60 -0.20 0.00	27.27 -0.08 0.00	28.11 0.29 0.00	34.51 0.57 0.00	37.68 0.69 0.00	37.03 0.63 0.00	34.75 0.53 0.00	31.50 0.42 0.00	23.94 0.27 0.00	26.74 0.19 0.00	27.05 0.11 0.00
IP CORINTH___1 23988	14.33 0.47 0.00	19.72 0.58 0.00	27.16 0.76 0.00	24.91 0.71 0.00	18.19 0.50 0.00	16.59 0.48 0.00	25.27 0.83 0.00	21.71 0.85 0.00	27.82 1.11 0.00	24.71 1.02 0.00	22.06 0.84 -1.25	19.82 0.73 -1.96	19.14 0.62 -2.51	21.37 0.73 -0.83	28.49 1.13 0.00	29.03 1.21 0.00	35.57 1.63 0.00	38.91 1.91 0.00	38.24 1.83 0.00	35.89 1.67 0.00	32.55 1.47 0.00	24.71 1.03 0.00	27.62 1.06 0.00	27.95 1.01 0.00



IP___TICONDEROGA 23804	14.73 0.88 0.00	20.19 1.05 0.00	27.78 1.38 0.00	25.51 1.32 0.00	18.58 0.90 0.00	16.92 0.81 0.00	25.88 1.43 0.00	22.36 1.49 0.00	28.77 2.06 0.00	25.69 2.00 0.00	22.80 1.57 -1.26	20.60 1.49 -1.98	19.66 1.11 -2.53	21.91 1.28 -0.84	29.29 1.93 0.00	29.90 2.08 0.00	36.61 2.67 0.00	40.18 3.18 0.00	39.46 3.06 0.00	37.06 2.84 0.00	33.58 2.51 0.00	25.47 1.79 0.00	28.39 1.83 0.00	28.65 1.71 0.00
ISLIP_RES_REC 323679	15.03 1.18 0.00	20.49 1.35 0.00	28.27 1.87 0.00	26.06 1.86 0.00	19.07 1.38 0.00	17.31 1.20 0.00	26.31 1.87 0.00	22.72 1.86 0.00	28.93 2.23 0.00	25.67 1.98 0.00	27.04 1.89 -5.18	26.87 1.63 -8.11	27.72 1.33 -10.37	24.93 1.69 -3.43	29.72 2.37 0.00	30.36 2.54 0.00	37.26 3.32 0.00	40.91 3.91 0.00	40.21 3.81 0.00	37.78 3.56 0.00	34.18 3.10 0.00	25.97 2.30 0.00	29.04 2.49 0.00	29.22 2.28 0.00
JAMAICA__27_KV_LOAD 355505	14.55 0.69 0.00	20.08 0.94 0.00	27.67 1.27 0.00	25.37 1.17 0.00	18.56 0.87 0.00	16.87 0.75 0.00	25.57 1.13 0.00	21.92 1.06 0.00	28.03 1.32 0.00	24.86 1.17 0.00	26.31 1.14 -5.20	26.25 0.99 -8.14	27.42 0.99 -10.41	24.47 1.22 -3.45	28.96 1.60 0.00	29.44 1.62 0.00	35.97 2.02 0.00	39.33 2.34 0.00	38.64 2.24 0.00	36.28 2.06 0.00	32.88 1.80 0.00	24.98 1.30 0.00	27.98 1.42 0.00	28.26 1.31 0.00
JANIS___SOLAR 323808	13.80 -0.06 0.00	19.07 -0.07 0.00	26.42 0.02 0.00	24.16 -0.04 0.00	17.66 -0.03 0.00	16.22 0.11 0.00	24.88 0.44 0.00	21.24 0.38 0.00	27.17 0.46 0.00	23.90 0.21 0.00	20.15 0.18 0.00	17.27 0.15 0.00	16.18 0.16 0.00	20.16 0.35 0.00	27.91 0.55 0.00	28.37 0.55 0.00	34.85 0.91 0.00	37.99 0.99 0.00	37.21 0.81 0.00	34.84 0.62 0.00	31.69 0.61 0.00	23.93 0.25 0.00	26.85 0.29 0.00	27.30 0.36 0.00
JARVIS____ 23743	13.86 0.01 0.00	19.16 0.02 0.00	26.43 0.03 0.00	24.22 0.03 0.00	17.71 0.02 0.00	16.13 0.02 0.00	24.47 0.03 0.00	20.91 0.04 0.00	26.76 0.05 0.00	23.71 0.03 0.00	19.99 0.02 0.00	17.14 0.02 0.00	16.03 0.01 0.00	19.82 0.02 0.00	27.38 0.03 0.00	27.85 0.03 0.00	33.98 0.04 0.00	37.06 0.07 0.00	36.45 0.04 0.00	34.25 0.03 0.00	31.11 0.03 0.00	23.72 0.05 0.00	26.60 0.05 0.00	26.97 0.03 0.00
JENNISON___1 23625	13.56 -0.29 0.00	18.83 -0.31 0.00	26.18 -0.22 0.00	23.93 -0.26 0.00	17.45 -0.24 0.00	16.18 0.07 0.00	24.85 0.40 0.00	21.09 0.23 0.00	26.78 0.07 0.00	23.64 -0.04 0.00	19.32 -0.04 0.61	16.16 0.00 0.96	14.79 0.00 1.23	19.53 0.14 0.41	27.78 0.42 0.00	28.25 0.43 0.00	34.72 0.78 0.00	37.76 0.77 0.00	37.03 0.63 0.00	34.67 0.45 0.00	31.61 0.54 0.00	23.74 0.07 0.00	26.57 0.01 0.00	27.20 0.26 0.00
JENNISON___2 23626	13.56 -0.29 0.00	18.83 -0.31 0.00	26.18 -0.22 0.00	23.93 -0.26 0.00	17.45 -0.24 0.00	16.18 0.07 0.00	24.85 0.40 0.00	21.09 0.23 0.00	26.78 0.07 0.00	23.64 -0.04 0.00	19.32 -0.04 0.61	16.16 0.00 0.96	14.79 0.00 1.23	19.53 0.14 0.41	27.78 0.42 0.00	28.25 0.43 0.00	34.72 0.78 0.00	37.76 0.77 0.00	37.03 0.63 0.00	34.67 0.45 0.00	31.61 0.54 0.00	23.74 0.07 0.00	26.57 0.01 0.00	27.20 0.26 0.00
JERICHO_RISE_WT_PWR 323719	13.81 -0.05 0.00	19.10 -0.04 0.00	26.29 -0.11 0.00	24.20 0.01 0.00	17.78 0.09 0.00	16.19 0.08 0.00	24.64 0.20 0.00	21.10 0.23 0.00	26.89 0.18 0.00	23.93 0.25 0.00	19.94 -0.03 0.00	16.96 -0.17 0.00	15.99 -0.03 0.00	19.53 -0.27 0.00	27.04 -0.31 0.00	27.39 -0.42 0.00	33.41 -0.54 0.00	36.49 -0.50 0.00	36.02 -0.39 0.00	34.00 -0.22 0.00	30.86 -0.22 0.00	23.41 -0.26 0.00	26.11 -0.45 0.00	26.49 -0.46 0.00
KATONAH__115KV_46KV_TB4 355592	14.56 0.71 0.00	20.06 0.92 0.00	27.68 1.27 0.00	25.38 1.18 0.00	18.57 0.88 0.00	16.89 0.78 0.00	25.64 1.20 0.00	22.01 1.15 0.00	28.14 1.43 0.00	24.97 1.29 0.00	24.98 1.19 -3.81	24.11 1.01 -5.97	24.64 0.98 -7.64	23.60 1.27 -2.53	29.12 1.76 0.00	29.64 1.83 0.00	36.21 2.27 0.00	39.62 2.63 0.00	38.92 2.52 0.00	36.53 2.31 0.00	33.09 2.01 0.00	25.16 1.48 0.00	28.17 1.62 0.00	28.47 1.52 0.00
KCE_NY_1 323755	14.48 0.62 0.00	19.95 0.81 0.00	27.50 1.10 0.00	25.21 1.01 0.00	18.41 0.72 0.00	16.78 0.67 0.00	25.52 1.07 0.00	21.90 1.03 0.00	28.04 1.33 0.00	24.88 1.19 0.00	22.22 0.98 -1.27	19.94 0.82 -1.99	19.28 0.72 -2.55	21.53 0.89 -0.84	28.76 1.41 0.00	29.28 1.46 0.00	35.79 1.85 0.00	39.09 2.09 0.00	38.48 2.08 0.00	36.12 1.90 0.00	32.74 1.66 0.00	24.88 1.21 0.00	27.88 1.32 0.00	28.19 1.25 0.00
KCE_NY_6_ESR 323823	12.57 -1.28 0.00	17.35 -1.79 0.00	24.04 -2.36 0.00	21.87 -2.32 0.00	15.96 -1.73 0.00	14.57 -1.54 0.00	22.30 -2.14 0.00	15.07 -2.18 3.62	13.92 -2.54 10.24	19.07 -2.25 2.37	12.07 -1.90 6.00	8.26 -1.56 7.30	5.69 -1.61 8.72	8.34 -1.88 9.59	13.42 -2.50 11.43	13.13 -2.68 12.01	17.14 -3.31 13.48	18.51 -3.90 14.58	18.46 -3.84 14.10	17.22 -3.48 13.52	15.70 -3.00 12.38	20.37 -2.52 0.79	24.30 -2.26 0.00	25.02 -1.93 0.00
KEDC_PORT_JEFF_GT2 24210	14.96 1.11 0.00	20.40 1.25 0.00	28.13 1.73 0.00	25.92 1.72 0.00	18.97 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.71 0.00	28.75 2.05 0.00	25.50 1.82 0.00	26.90 1.75 -5.18	26.75 1.52 -8.11	27.63 1.23 -10.37	24.82 1.58 -3.43	29.56 2.20 0.00	30.17 2.35 0.00	37.01 3.07 0.00	40.61 3.62 0.00	39.94 3.54 0.00	37.53 3.31 0.00	33.96 2.88 0.00	25.80 2.13 0.00	28.86 2.30 0.00	29.06 2.11 0.00
KEDC_PORT_JEFF_GT3 24211	14.96 1.11 0.00	20.40 1.25 0.00	28.13 1.73 0.00	25.92 1.72 0.00	18.97 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.71 0.00	28.75 2.05 0.00	25.50 1.82 0.00	26.90 1.75 -5.18	26.75 1.52 -8.11	27.63 1.23 -10.37	24.82 1.58 -3.43	29.56 2.20 0.00	30.17 2.35 0.00	37.01 3.07 0.00	40.61 3.62 0.00	39.94 3.54 0.00	37.53 3.31 0.00	33.96 2.88 0.00	25.80 2.13 0.00	28.86 2.30 0.00	29.06 2.11 0.00
KEDC_GLWD_GT4 24219	14.70 0.84 0.00	20.17 1.03 0.00	27.82 1.42 0.00	25.56 1.37 0.00	18.72 1.03 0.00	17.00 0.89 0.00	25.80 1.36 0.00	22.20 1.33 0.00	28.17 1.46 0.00	25.01 1.32 0.00	26.52 1.37 -5.18	26.31 1.07 -8.11	27.36 0.97 -10.37	24.50 1.26 -3.43	29.11 1.75 0.00	29.62 1.80 0.00	36.21 2.27 0.00	39.64 2.64 0.00	38.93 2.53 0.00	36.57 2.35 0.00	33.11 2.03 0.00	25.18 1.51 0.00	28.20 1.65 0.00	28.64 1.69 0.00
KEDC_GLWD_GT5 24220	14.70 0.84 0.00	20.17 1.03 0.00	27.82 1.42 0.00	25.56 1.37 0.00	18.72 1.03 0.00	17.00 0.89 0.00	25.80 1.36 0.00	22.20 1.33 0.00	28.17 1.46 0.00	25.01 1.32 0.00	26.52 1.37 -5.18	26.31 1.07 -8.11	27.36 0.97 -10.37	24.50 1.26 -3.43	29.11 1.75 0.00	29.62 1.80 0.00	36.21 2.27 0.00	39.64 2.64 0.00	38.93 2.53 0.00	36.57 2.35 0.00	33.11 2.03 0.00	25.18 1.51 0.00	28.20 1.65 0.00	28.64 1.69 0.00



KENSICO____ 23655	14.50 0.65 0.00	19.99 0.84 0.00	27.58 1.18 0.00	25.29 1.10 0.00	18.50 0.81 0.00	16.82 0.71 0.00	25.54 1.10 0.00	21.90 1.04 0.00	28.00 1.29 0.00	24.84 1.16 0.00	26.42 1.08 -5.36	26.45 0.93 -8.40	27.66 0.90 -10.74	24.53 1.17 -3.56	28.97 1.62 0.00	29.50 1.68 0.00	36.02 2.08 0.00	39.38 2.39 0.00	38.68 2.28 0.00	36.32 2.10 0.00	32.91 1.83 0.00	25.02 1.35 0.00	28.03 1.48 0.00	28.33 1.38 0.00
KERHONKS_69_KV_TR1_REV_LBMP_G 345021	14.65 0.80 0.00	20.19 1.04 0.00	27.84 1.43 0.00	25.51 1.31 0.00	18.66 0.98 0.00	16.99 0.88 0.00	25.85 1.41 0.00	22.14 1.27 0.00	28.30 1.59 0.00	25.08 1.40 0.00	18.87 1.19 2.29	14.46 0.92 3.59	12.36 0.94 4.60	19.50 1.22 1.52	29.24 1.89 0.00	29.84 2.02 0.00	36.56 2.62 0.00	40.03 3.03 0.00	39.32 2.92 0.00	36.91 2.69 0.00	33.42 2.34 0.00	25.38 1.70 0.00	28.40 1.84 0.00	28.66 1.71 0.00
KIAC_JFK_GT1 23816	14.47 0.61 0.00	19.97 0.83 0.00	27.52 1.13 0.00	25.23 1.03 0.00	18.46 0.77 0.00	16.76 0.65 0.00	25.33 0.89 0.00	21.71 0.85 0.00	27.76 1.05 0.00	24.62 0.94 0.00	26.11 0.95 -5.20	26.09 0.82 -8.14	27.26 0.83 -10.41	24.28 1.03 -3.45	28.69 1.33 0.00	29.17 1.35 0.00	35.62 1.68 0.00	38.96 1.97 0.00	38.27 1.87 0.00	35.93 1.71 0.00	32.57 1.49 0.00	24.75 1.07 0.00	27.82 1.26 0.00	28.10 1.15 0.00
KIAC_JFK_GT2 23817	14.47 0.61 0.00	19.97 0.83 0.00	27.52 1.13 0.00	25.23 1.03 0.00	18.46 0.77 0.00	16.76 0.65 0.00	25.33 0.89 0.00	21.71 0.85 0.00	27.76 1.05 0.00	24.62 0.94 0.00	26.11 0.95 -5.20	26.09 0.82 -8.14	27.26 0.83 -10.41	24.28 1.03 -3.45	28.69 1.33 0.00	29.17 1.35 0.00	35.62 1.68 0.00	38.96 1.97 0.00	38.27 1.87 0.00	35.93 1.71 0.00	32.57 1.49 0.00	24.75 1.07 0.00	27.82 1.26 0.00	28.10 1.15 0.00
KIAC_JFK____ 323774	14.46 0.61 0.00	19.97 0.82 0.00	27.52 1.12 0.00	25.22 1.03 0.00	18.46 0.77 0.00	16.76 0.65 0.00	25.33 0.89 0.00	21.71 0.85 0.00	27.76 1.05 0.00	24.62 0.94 0.00	26.12 0.95 -5.20	26.09 0.82 -8.14	27.26 0.83 -10.41	24.28 1.03 -3.45	28.68 1.33 0.00	29.16 1.34 0.00	35.61 1.67 0.00	38.94 1.95 0.00	38.27 1.87 0.00	35.92 1.70 0.00	32.56 1.48 0.00	24.74 1.07 0.00	27.82 1.26 0.00	28.09 1.15 0.00
KINTIGH____ 23543	12.59 -1.26 0.00	17.37 -1.77 0.00	24.08 -2.32 0.00	21.93 -2.27 0.00	16.01 -1.67 0.00	14.60 -1.51 0.00	22.28 -2.16 0.00	16.98 -2.18 1.71	19.19 -2.65 4.87	20.25 -2.32 1.12	15.13 -1.97 2.87	12.00 -1.65 3.48	10.22 -1.68 4.11	13.31 -1.97 4.52	19.29 -2.68 5.39	19.30 -2.85 5.66	24.09 -3.49 6.36	26.00 -4.12 6.88	25.69 -4.06 6.65	24.16 -3.68 6.38	22.01 -3.23 5.84	20.77 -2.54 0.37	24.18 -2.38 0.00	24.80 -2.15 0.00
KNTFSRNC_46_KV_46KV_LOAD 80397	14.00 0.14 0.00	19.31 0.16 0.00	26.56 0.16 0.00	24.46 0.27 0.00	17.98 0.29 0.00	16.38 0.27 0.00	25.01 0.56 0.00	21.46 0.60 0.00	27.37 0.67 0.00	24.37 0.69 0.00	20.28 0.31 0.00	17.22 0.09 0.00	16.24 0.22 0.00	19.83 0.03 0.00	27.46 0.11 0.00	27.84 0.02 0.00	33.95 0.01 0.00	37.17 0.17 0.00	36.65 0.25 0.00	34.55 0.33 0.00	31.38 0.31 0.00	23.80 0.12 0.00	26.50 -0.05 0.00	26.85 -0.10 0.00
LACHUTE__HYDRO 323717	14.73 0.88 0.00	20.19 1.05 0.00	27.78 1.38 0.00	25.51 1.32 0.00	18.58 0.90 0.00	16.92 0.81 0.00	25.88 1.44 0.00	22.36 1.49 0.00	28.77 2.06 0.00	25.69 2.00 0.00	22.80 1.57 -1.26	20.60 1.49 -1.98	19.66 1.11 -2.53	21.91 1.28 -0.84	29.29 1.93 0.00	29.90 2.08 0.00	36.61 2.67 0.00	40.17 3.18 0.00	39.46 3.06 0.00	37.06 2.84 0.00	33.58 2.50 0.00	25.47 1.79 0.00	28.39 1.83 0.00	28.65 1.71 0.00
LAWRNCV_115KV_TB1 80681	13.73 -0.12 0.00	19.05 -0.09 0.00	26.24 -0.16 0.00	24.09 -0.11 0.00	17.65 -0.04 0.00	16.04 -0.07 0.00	24.24 -0.20 0.00	20.74 -0.12 0.00	26.52 -0.18 0.00	23.52 -0.17 0.00	19.74 -0.23 0.00	16.86 -0.26 0.00	15.83 -0.18 0.00	19.49 -0.32 0.00	27.02 -0.34 0.00	27.46 -0.36 0.00	33.51 -0.43 0.00	36.27 -0.72 0.00	35.97 -0.43 0.00	33.85 -0.37 0.00	30.75 -0.32 0.00	23.37 -0.30 0.00	26.26 -0.29 0.00	26.81 -0.14 0.00
LEDERLE____ 23769	14.47 0.62 0.00	19.96 0.82 0.00	27.57 1.17 0.00	25.27 1.08 0.00	18.48 0.80 0.00	16.81 0.70 0.00	25.55 1.11 0.00	21.89 1.02 0.00	27.98 1.27 0.00	24.81 1.13 0.00	11.05 1.03 9.95	2.41 0.87 15.58	-3.06 0.85 19.93	14.30 1.10 6.60	28.91 1.55 0.00	29.44 1.62 0.00	35.98 2.03 0.00	39.33 2.34 0.00	38.64 2.24 0.00	36.30 2.08 0.00	32.87 1.79 0.00	24.98 1.30 0.00	27.99 1.43 0.00	28.27 1.33 0.00
LIGHTHSE_115KV_TB6 355974	13.31 -0.54 0.00	18.39 -0.75 0.00	25.33 -1.08 0.00	23.23 -0.97 0.00	16.97 -0.72 0.00	15.48 -0.63 0.00	23.49 -0.96 0.00	20.13 -0.74 0.00	25.90 -0.81 0.00	22.81 -0.88 0.00	19.26 -0.71 0.00	16.58 -0.54 0.00	15.45 -0.57 0.00	19.09 -0.71 0.00	26.40 -0.95 0.00	26.87 -0.95 0.00	32.86 -1.08 0.00	35.55 -1.44 0.00	34.99 -1.41 0.00	32.88 -1.34 0.00	29.84 -1.24 0.00	22.77 -0.91 0.00	25.53 -1.02 0.00	25.88 -1.06 0.00
LINDEN COGEN____ 23786	14.43 0.57 0.00	19.73 0.74 0.15	27.46 1.06 0.00	25.17 0.97 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.40 0.96 0.00	21.80 0.93 0.00	27.87 1.16 0.00	24.74 1.05 0.00	26.08 1.00 -5.11	25.99 0.87 -8.00	27.23 0.87 -10.34	24.39 1.14 -3.45	28.90 1.54 0.00	29.42 1.60 0.00	35.92 1.98 0.00	39.27 2.27 0.00	38.56 2.16 0.00	36.19 1.97 0.00	32.77 1.69 0.00	24.94 1.27 0.00	27.93 1.37 0.00	28.21 1.27 0.00
LINDHRST_69_KV_BK1 356055	14.94 1.08 0.00	20.39 1.25 0.00	28.11 1.71 0.00	25.89 1.70 0.00	18.96 1.27 0.00	17.20 1.09 0.00	26.12 1.68 0.00	22.56 1.70 0.00	28.75 2.04 0.00	25.49 1.80 0.00	26.85 1.70 -5.18	26.71 1.47 -8.11	27.62 1.23 -10.37	24.82 1.58 -3.43	29.58 2.23 0.00	30.13 2.31 0.00	36.93 2.99 0.00	40.52 3.52 0.00	39.82 3.42 0.00	37.43 3.21 0.00	33.87 2.79 0.00	25.75 2.07 0.00	28.81 2.25 0.00	29.03 2.09 0.00
LIPA_MISC_IPP 23656	14.94 1.08 0.00	20.36 1.22 0.00	28.07 1.67 0.00	25.88 1.68 0.00	18.94 1.25 0.00	17.19 1.08 0.00	26.12 1.68 0.00	22.57 1.70 0.00	28.72 2.01 0.00	25.47 1.78 0.00	26.89 1.74 -5.18	26.72 1.48 -8.11	27.58 1.18 -10.37	24.73 1.49 -3.43	29.47 2.12 0.00	30.11 2.29 0.00	36.94 3.00 0.00	40.56 3.57 0.00	39.87 3.47 0.00	37.47 3.25 0.00	33.89 2.81 0.00	25.77 2.09 0.00	28.81 2.26 0.00	29.00 2.06 0.00
LISF__SOLAR 323691	14.96 1.11 0.00	20.38 1.24 0.00	28.12 1.72 0.00	25.92 1.72 0.00	18.97 1.28 0.00	17.22 1.11 0.00	26.17 1.73 0.00	22.61 1.75 0.00	28.77 2.07 0.00	25.52 1.83 0.00	26.92 1.77 -5.18	26.75 1.51 -8.11	27.59 1.20 -10.37	24.76 1.52 -3.43	29.50 2.15 0.00	30.15 2.34 0.00	37.01 3.07 0.00	40.65 3.66 0.00	39.98 3.58 0.00	37.54 3.33 0.00	33.96 2.88 0.00	25.81 2.14 0.00	28.87 2.31 0.00	29.05 2.11 0.00



LITTLE FALLS___HYD 24013	13.94 0.08 0.00	19.21 0.07 0.00	26.54 0.13 0.00	24.31 0.11 0.00	17.74 0.05 0.00	16.25 0.14 0.00	24.73 0.29 0.00	21.22 0.35 0.00	27.03 0.32 0.00	23.75 0.06 0.00	20.05 0.08 0.00	17.09 -0.03 0.00	15.90 -0.12 0.00	19.60 -0.20 0.00	27.27 -0.08 0.00	28.11 0.29 0.00	34.51 0.57 0.00	37.68 0.69 0.00	37.03 0.63 0.00	34.75 0.53 0.00	31.50 0.42 0.00	23.94 0.27 0.00	26.74 0.19 0.00	27.05 0.11 0.00
LITTLRIV_115KV_TB1 356100	13.87 0.02 0.00	19.25 0.11 0.00	26.51 0.11 0.00	24.33 0.14 0.00	17.83 0.14 0.00	16.22 0.11 0.00	24.52 0.08 0.00	20.99 0.12 0.00	26.82 0.12 0.00	23.76 0.07 0.00	19.96 -0.01 0.00	16.99 -0.13 0.00	15.99 -0.03 0.00	19.67 -0.13 0.00	27.32 -0.03 0.00	27.80 -0.01 0.00	33.96 0.02 0.00	36.80 -0.20 0.00	36.46 0.05 0.00	34.32 0.10 0.00	31.17 0.10 0.00	23.67 0.00 0.00	26.58 0.03 0.00	27.13 0.18 0.00
LI_NEWBRDGE___DRP 323616	14.71 0.86 0.00	20.10 0.96 0.00	27.72 1.32 0.00	25.54 1.34 0.00	18.71 1.01 0.00	16.97 0.86 0.00	25.73 1.29 0.00	22.21 1.34 0.00	28.30 1.59 0.00	25.08 1.40 0.00	26.49 1.34 -5.18	26.40 1.16 -8.11	27.39 1.00 -10.37	24.53 1.29 -3.43	29.15 1.80 0.00	29.66 1.84 0.00	36.30 2.35 0.00	39.74 2.75 0.00	39.05 2.65 0.00	36.71 2.49 0.00	33.23 2.15 0.00	25.26 1.59 0.00	28.28 1.73 0.00	28.54 1.59 0.00
LOCKPORT_115KV_TB60_63_64 80432	12.44 -1.42 0.00	17.15 -1.99 0.00	23.77 -2.63 0.00	21.62 -2.57 0.00	15.80 -1.89 0.00	14.41 -1.70 0.00	22.05 -2.39 0.00	15.88 -2.44 2.55	16.73 -2.83 7.15	19.52 -2.51 1.66	13.71 -2.10 4.16	10.28 -1.77 5.08	8.02 -1.85 6.14	10.85 -2.18 6.77	16.32 -2.97 8.07	16.19 -3.16 8.47	20.54 -3.89 9.51	22.15 -4.56 10.29	21.97 -4.49 9.95	20.62 -4.06 9.54	18.84 -3.50 8.73	20.21 -2.91 0.56	23.87 -2.69 0.00	24.57 -2.38 0.00
LOCKPORT___CC1 323769	12.42 -1.43 0.00	17.13 -2.01 0.00	23.74 -2.66 0.00	21.60 -2.60 0.00	15.77 -1.92 0.00	14.39 -1.72 0.00	22.01 -2.43 0.00	15.65 -2.46 2.76	16.11 -2.86 7.74	19.33 -2.57 1.79	13.32 -2.14 4.52	9.84 -1.77 5.51	7.54 -1.85 6.64	10.30 -2.20 7.31	15.70 -2.95 8.71	15.54 -3.14 9.15	19.79 -3.88 10.27	21.34 -4.54 11.11	21.17 -4.49 10.74	19.87 -4.04 10.30	18.16 -3.49 9.43	20.15 -2.93 0.60	23.85 -2.71 0.00	24.55 -2.40 0.00
LOCKPORT___CC2 323770	12.42 -1.43 0.00	17.13 -2.01 0.00	23.74 -2.66 0.00	21.60 -2.60 0.00	15.77 -1.92 0.00	14.39 -1.72 0.00	22.01 -2.43 0.00	15.65 -2.46 2.76	16.11 -2.86 7.74	19.33 -2.57 1.79	13.32 -2.14 4.52	9.84 -1.77 5.51	7.54 -1.85 6.64	10.30 -2.20 7.31	15.70 -2.95 8.71	15.54 -3.14 9.15	19.79 -3.88 10.27	21.34 -4.54 11.11	21.17 -4.49 10.74	19.87 -4.04 10.30	18.16 -3.49 9.43	20.15 -2.93 0.60	23.85 -2.71 0.00	24.55 -2.40 0.00
LOCKPORT___CC3 323771	12.42 -1.43 0.00	17.13 -2.01 0.00	23.74 -2.66 0.00	21.60 -2.60 0.00	15.77 -1.92 0.00	14.39 -1.72 0.00	22.01 -2.43 0.00	15.65 -2.46 2.76	16.11 -2.86 7.74	19.33 -2.57 1.79	13.32 -2.14 4.52	9.84 -1.77 5.51	7.54 -1.85 6.64	10.30 -2.20 7.31	15.70 -2.95 8.71	15.54 -3.14 9.15	19.79 -3.88 10.27	21.34 -4.54 11.11	21.17 -4.49 10.74	19.87 -4.04 10.30	18.16 -3.49 9.43	20.15 -2.93 0.60	23.85 -2.71 0.00	24.55 -2.40 0.00
LONG_LAKE_PHOENIX 24014	13.40 -0.45 0.00	18.51 -0.63 0.00	25.54 -0.86 0.00	23.39 -0.81 0.00	17.09 -0.60 0.00	15.57 -0.54 0.00	23.63 -0.81 0.00	20.12 -0.75 0.00	25.81 -0.90 0.00	22.87 -0.82 0.00	19.31 -0.66 0.00	16.59 -0.54 0.00	15.50 -0.52 0.00	19.19 -0.62 0.00	26.46 -0.90 0.00	26.89 -0.93 0.00	32.84 -1.10 0.00	35.76 -1.23 0.00	35.16 -1.25 0.00	33.04 -1.18 0.00	30.01 -1.07 0.00	22.88 -0.80 0.00	25.68 -0.88 0.00	26.07 -0.87 0.00
LOVETT___3 23632	14.42 0.56 0.00	19.88 0.74 0.00	27.45 1.06 0.00	25.17 0.98 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.78 0.91 0.00	27.84 1.13 0.00	24.69 1.00 0.00	10.78 0.92 10.12	2.07 0.79 15.85	-3.48 0.77 20.26	14.09 1.00 6.71	28.77 1.41 0.00	29.30 1.48 0.00	35.78 1.84 0.00	39.13 2.14 0.00	38.43 2.03 0.00	36.10 1.88 0.00	32.70 1.62 0.00	24.85 1.17 0.00	27.85 1.30 0.00	28.14 1.20 0.00
LOVETT___4 23642	14.42 0.56 0.00	19.88 0.74 0.00	27.45 1.06 0.00	25.17 0.98 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.78 0.91 0.00	27.84 1.13 0.00	24.69 1.00 0.00	10.78 0.92 10.12	2.07 0.79 15.85	-3.48 0.77 20.26	14.09 1.00 6.71	28.77 1.41 0.00	29.30 1.48 0.00	35.78 1.84 0.00	39.13 2.14 0.00	38.43 2.03 0.00	36.10 1.88 0.00	32.70 1.62 0.00	24.85 1.17 0.00	27.85 1.30 0.00	28.14 1.20 0.00
LOVETT___5 23593	14.42 0.56 0.00	19.88 0.74 0.00	27.45 1.06 0.00	25.17 0.98 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.78 0.91 0.00	27.84 1.13 0.00	24.69 1.00 0.00	10.78 0.92 10.12	2.07 0.79 15.85	-3.48 0.77 20.26	14.09 1.00 6.71	28.77 1.41 0.00	29.30 1.48 0.00	35.78 1.84 0.00	39.13 2.14 0.00	38.43 2.03 0.00	36.10 1.88 0.00	32.70 1.62 0.00	24.85 1.17 0.00	27.85 1.30 0.00	28.14 1.20 0.00
LOWER RAQUET___HYD 24057	13.66 -0.19 0.00	18.95 -0.20 0.00	26.08 -0.31 0.00	23.96 -0.23 0.00	17.56 -0.13 0.00	15.94 -0.17 0.00	24.08 -0.36 0.00	20.62 -0.24 0.00	26.37 -0.34 0.00	23.37 -0.32 0.00	19.61 -0.36 0.00	16.75 -0.37 0.00	15.73 -0.29 0.00	19.35 -0.46 0.00	26.83 -0.53 0.00	27.28 -0.54 0.00	33.29 -0.65 0.00	36.06 -0.94 0.00	35.74 -0.66 0.00	33.64 -0.58 0.00	30.56 -0.52 0.00	23.22 -0.45 0.00	26.11 -0.45 0.00	26.66 -0.29 0.00
LOWER___HUDSON 24059	14.39 0.53 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.07 0.87 0.00	18.30 0.61 0.00	16.68 0.57 0.00	25.34 0.90 0.00	21.73 0.87 0.00	27.82 1.11 0.00	24.67 0.99 0.00	22.18 0.83 -1.38	19.98 0.69 -2.16	19.40 0.62 -2.76	21.50 0.78 -0.91	28.46 1.11 0.00	29.01 1.19 0.00	35.42 1.47 0.00	38.65 1.66 0.00	38.02 1.62 0.00	35.72 1.50 0.00	32.43 1.35 0.00	24.68 1.01 0.00	27.66 1.10 0.00	27.98 1.04 0.00
LOWVILLE_115KV_TB2 356335	13.28 -0.58 0.00	18.37 -0.77 0.00	25.23 -1.18 0.00	23.21 -0.98 0.00	16.98 -0.71 0.00	15.55 -0.56 0.00	23.58 -0.87 0.00	20.46 -0.41 0.00	26.51 -0.19 0.00	23.13 -0.56 0.00	19.30 -0.67 0.00	16.68 -0.45 0.00	15.49 -0.52 0.00	19.07 -0.73 0.00	26.52 -0.83 0.00	27.08 -0.74 0.00	33.05 -0.89 0.00	35.79 -1.20 0.00	35.25 -1.15 0.00	33.09 -1.13 0.00	29.98 -1.10 0.00	22.75 -0.92 0.00	25.44 -1.11 0.00	25.78 -1.17 0.00
LUTHERFT_115KV_GLOB_FND_222 355753	14.46 0.61 0.00	19.95 0.81 0.00	27.49 1.08 0.00	25.19 1.00 0.00	18.40 0.72 0.00	16.78 0.67 0.00	25.51 1.07 0.00	21.89 1.02 0.00	28.02 1.31 0.00	24.86 1.18 0.00	22.21 0.97 -1.27	19.93 0.82 -1.99	19.28 0.72 -2.55	21.53 0.88 -0.84	28.69 1.34 0.00	29.26 1.44 0.00	35.78 1.84 0.00	39.07 2.07 0.00	38.43 2.02 0.00	36.08 1.86 0.00	32.73 1.65 0.00	24.88 1.20 0.00	27.85 1.30 0.00	28.18 1.23 0.00



LUTHERNY_35_KV_BK2 355980	14.48 0.62 0.00	19.96 0.81 0.00	27.50 1.10 0.00	25.21 1.01 0.00	18.41 0.72 0.00	16.78 0.67 0.00	25.52 1.08 0.00	21.89 1.03 0.00	28.04 1.33 0.00	24.88 1.20 0.00	22.22 0.98 -1.27	19.94 0.82 -1.99	19.28 0.72 -2.55	21.53 0.89 -0.84	28.77 1.41 0.00	29.28 1.47 0.00	35.79 1.85 0.00	39.09 2.10 0.00	38.48 2.08 0.00	36.12 1.90 0.00	32.74 1.66 0.00	24.89 1.21 0.00	27.88 1.33 0.00	28.19 1.25 0.00
LWR___OSWEGATCHIE_HYD 23850	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.54 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.94 0.00	26.90 -0.92 0.00	32.85 -1.09 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
LYONS_FALL_HYD 23570	13.58 -0.27 0.00	18.78 -0.36 0.00	25.84 -0.56 0.00	23.74 -0.46 0.00	17.36 -0.33 0.00	15.88 -0.23 0.00	24.11 -0.33 0.00	20.80 -0.06 0.00	26.85 0.14 0.00	23.56 -0.13 0.00	19.75 -0.22 0.00	17.01 -0.11 0.00	15.84 -0.17 0.00	19.54 -0.26 0.00	27.13 -0.22 0.00	27.66 -0.15 0.00	33.76 -0.18 0.00	36.65 -0.35 0.00	36.07 -0.33 0.00	33.87 -0.35 0.00	30.70 -0.38 0.00	23.31 -0.36 0.00	26.09 -0.46 0.00	26.44 -0.51 0.00
MADISON___COUNTY_LFGE 323628	13.98 0.13 0.00	19.35 0.21 0.00	26.69 0.29 0.00	24.45 0.26 0.00	17.88 0.19 0.00	16.33 0.22 0.00	24.89 0.44 0.00	21.28 0.42 0.00	27.30 0.59 0.00	24.08 0.40 0.00	20.32 0.35 0.00	17.45 0.33 0.00	16.29 0.28 0.00	20.15 0.35 0.00	27.94 0.58 0.00	28.40 0.58 0.00	34.69 0.75 0.00	37.72 0.73 0.00	37.06 0.66 0.00	34.80 0.58 0.00	31.57 0.49 0.00	24.00 0.32 0.00	26.89 0.33 0.00	27.24 0.29 0.00
MALONE___115KV_TB1 356076	13.91 0.05 0.00	19.18 0.04 0.00	26.39 -0.01 0.00	24.29 0.10 0.00	17.82 0.13 0.00	16.23 0.12 0.00	24.72 0.28 0.00	21.18 0.32 0.00	27.02 0.31 0.00	24.02 0.33 0.00	20.02 0.05 0.00	17.04 -0.08 0.00	16.09 0.07 0.00	19.70 -0.11 0.00	27.32 -0.03 0.00	27.70 -0.12 0.00	33.81 -0.13 0.00	36.90 -0.09 0.00	36.45 0.05 0.00	34.38 0.16 0.00	31.20 0.12 0.00	23.66 -0.02 0.00	26.41 -0.14 0.00	26.84 -0.10 0.00
MAPLEWOD_115KV_TB3 80458	14.37 0.52 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.06 0.86 0.00	18.30 0.61 0.00	16.67 0.56 0.00	25.33 0.88 0.00	21.73 0.86 0.00	27.82 1.11 0.00	24.65 0.97 0.00	22.12 0.78 -1.36	19.91 0.66 -2.13	19.33 0.59 -2.72	21.46 0.76 -0.90	28.42 1.07 0.00	29.00 1.19 0.00	35.36 1.42 0.00	38.60 1.60 0.00	37.95 1.55 0.00	35.65 1.43 0.00	32.39 1.31 0.00	24.66 0.99 0.00	27.64 1.09 0.00	28.02 1.07 0.00
MAPLE_RIDGE_WT_1 323574	13.56 -0.29 0.00	18.74 -0.40 0.00	25.86 -0.54 0.00	23.76 -0.43 0.00	17.40 -0.29 0.00	15.88 -0.23 0.00	23.98 -0.46 0.00	20.50 -0.37 0.00	26.36 -0.35 0.00	23.35 -0.34 0.00	19.62 -0.35 0.00	16.82 -0.31 0.00	15.74 -0.28 0.00	19.40 -0.41 0.00	26.84 -0.51 0.00	27.31 -0.51 0.00	33.22 -0.73 0.00	36.20 -0.80 0.00	35.65 -0.75 0.00	33.55 -0.67 0.00	30.49 -0.58 0.00	23.22 -0.45 0.00	26.03 -0.53 0.00	26.44 -0.50 0.00
MAPLE_RIDGE_WT_2 323611	13.56 -0.29 0.00	18.74 -0.40 0.00	25.86 -0.54 0.00	23.76 -0.43 0.00	17.40 -0.29 0.00	15.88 -0.23 0.00	23.98 -0.46 0.00	20.50 -0.37 0.00	26.36 -0.35 0.00	23.35 -0.34 0.00	19.62 -0.35 0.00	16.82 -0.31 0.00	15.74 -0.28 0.00	19.40 -0.41 0.00	26.84 -0.51 0.00	27.31 -0.51 0.00	33.22 -0.73 0.00	36.20 -0.80 0.00	35.65 -0.75 0.00	33.55 -0.67 0.00	30.49 -0.58 0.00	23.22 -0.45 0.00	26.03 -0.53 0.00	26.44 -0.50 0.00
MARBLE_RIVER_WT_PWR 323696	13.79 -0.07 0.00	19.09 -0.06 0.00	26.26 -0.14 0.00	24.18 -0.02 0.00	17.78 0.09 0.00	16.19 0.07 0.00	24.65 0.20 0.00	21.11 0.25 0.00	26.92 0.21 0.00	23.96 0.28 0.00	19.96 -0.01 0.00	16.98 -0.14 0.00	16.00 -0.02 0.00	19.55 -0.25 0.00	27.08 -0.27 0.00	27.43 -0.39 0.00	33.43 -0.51 0.00	36.52 -0.48 0.00	36.05 -0.35 0.00	34.03 -0.19 0.00	30.89 -0.18 0.00	23.43 -0.25 0.00	26.12 -0.44 0.00	26.49 -0.45 0.00
MARSHVLE_115KV_TB1 80742	14.37 0.51 0.00	19.89 0.75 0.00	27.45 1.05 0.00	25.14 0.94 0.00	18.38 0.68 0.00	16.80 0.69 0.00	25.53 1.09 0.00	21.79 0.93 0.00	27.82 1.11 0.00	24.47 0.79 0.00	21.52 0.71 -0.83	19.03 0.60 -1.30	18.24 0.55 -1.67	20.90 0.55 -0.55	28.16 0.80 0.00	28.78 0.96 0.00	35.38 1.43 0.00	38.52 1.53 0.00	37.85 1.45 0.00	35.57 1.35 0.00	32.30 1.22 0.00	24.52 0.85 0.00	27.47 0.91 0.00	27.89 0.94 0.00
MARSH_HILL_WT_PWR 323713	12.23 -1.63 0.00	16.99 -2.15 0.00	23.46 -2.94 0.00	21.44 -2.76 0.00	15.65 -2.04 0.00	14.24 -1.87 0.00	21.84 -2.60 0.00	30.66 -2.45 -12.24	58.44 -3.06 -34.80	28.99 -2.73 -8.03	38.11 -2.34 -20.48	40.16 -1.84 -24.87	43.79 -1.77 -29.54	50.12 -2.17 -32.48	63.17 -2.90 -38.72	65.51 -2.98 -40.67	76.01 -3.59 -45.66	82.79 -3.58 -49.38	80.52 -3.64 -47.75	76.19 -3.83 -45.80	69.63 -3.38 -41.93	23.62 -2.73 -2.67	23.88 -2.68 0.00	24.61 -2.34 0.00
MCINTYRE_115KV_TB2 80467	14.06 0.21 0.00	19.53 0.39 0.00	26.90 0.50 0.00	24.69 0.49 0.00	18.09 0.40 0.00	16.47 0.36 0.00	24.94 0.50 0.00	21.32 0.46 0.00	27.23 0.52 0.00	24.12 0.43 0.00	20.29 0.32 0.00	17.24 0.12 0.00	16.24 0.22 0.00	19.99 0.18 0.00	27.78 0.43 0.00	28.29 0.47 0.00	34.57 0.63 0.00	37.48 0.48 0.00	37.11 0.71 0.00	34.93 0.71 0.00	31.74 0.65 0.00	24.09 0.42 0.00	27.02 0.46 0.00	27.56 0.61 0.00
MECO_____69_KV_BK1 80468	14.59 0.73 0.00	20.17 1.02 0.00	27.80 1.40 0.00	25.47 1.28 0.00	18.61 0.93 0.00	17.02 0.91 0.00	25.91 1.47 0.00	22.18 1.31 0.00	28.32 1.61 0.00	24.87 1.18 0.00	22.00 1.06 -0.97	19.51 0.86 -1.52	18.64 0.68 -1.94	21.16 0.71 -0.64	28.52 1.17 0.00	29.40 1.58 0.00	36.25 2.31 0.00	39.55 2.56 0.00	38.86 2.46 0.00	36.50 2.28 0.00	33.10 2.03 0.00	25.12 1.44 0.00	28.09 1.54 0.00	28.45 1.50 0.00
MENANDS___115KV_TB5 355628	14.34 0.48 0.00	19.79 0.65 0.00	27.28 0.88 0.00	25.01 0.81 0.00	18.26 0.58 0.00	16.64 0.53 0.00	25.26 0.82 0.00	21.67 0.81 0.00	27.74 1.03 0.00	24.58 0.88 0.00	22.05 0.72 -1.37	19.87 0.61 -2.14	19.30 0.55 -2.73	21.42 0.71 -0.90	28.35 0.99 0.00	28.90 1.09 0.00	35.21 1.27 0.00	38.42 1.43 0.00	37.78 1.38 0.00	35.50 1.28 0.00	32.25 1.17 0.00	24.57 0.90 0.00	27.56 1.00 0.00	27.95 1.00 0.00
MG INDUSTRY___DRP 24185	14.29 0.44 0.00	19.75 0.61 0.00	27.24 0.84 0.00	24.97 0.78 0.00	18.23 0.55 0.00	16.61 0.50 0.00	25.21 0.77 0.00	21.60 0.73 0.00	27.63 0.93 0.00	24.47 0.78 0.00	21.74 0.61 -1.16	19.44 0.50 -1.81	18.79 0.45 -2.32	21.17 0.61 -0.77	28.21 0.85 0.00	28.79 0.97 0.00	35.14 1.20 0.00	38.34 1.34 0.00	37.70 1.30 0.00	35.43 1.21 0.00	32.18 1.10 0.00	24.52 0.84 0.00	27.49 0.93 0.00	27.90 0.96 0.00



MID___OSWEGATCHIE_HYD 23849	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.54 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.94 0.00	26.90 -0.92 0.00	32.85 -1.09 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
MID___RAQUETTE_HYD 23851	13.66 -0.19 0.00	18.95 -0.20 0.00	26.08 -0.32 0.00	23.96 -0.23 0.00	17.56 -0.13 0.00	15.94 -0.17 0.00	24.08 -0.36 0.00	20.62 -0.24 0.00	26.37 -0.34 0.00	23.37 -0.32 0.00	19.61 -0.36 0.00	16.75 -0.37 0.00	15.73 -0.29 0.00	19.35 -0.45 0.00	26.83 -0.52 0.00	27.28 -0.54 0.00	33.30 -0.64 0.00	36.06 -0.94 0.00	35.74 -0.66 0.00	33.64 -0.58 0.00	30.56 -0.52 0.00	23.22 -0.45 0.00	26.11 -0.45 0.00	26.66 -0.29 0.00
MILLIKEN___1 23584	13.75 -0.11 0.00	18.98 -0.16 0.00	26.22 -0.18 0.00	23.99 -0.20 0.00	17.55 -0.14 0.00	16.01 -0.10 0.00	24.38 -0.06 0.00	20.77 -0.10 0.00	26.62 -0.09 0.00	23.55 -0.13 0.00	19.87 -0.10 0.00	17.10 -0.03 0.00	15.99 -0.03 0.00	19.85 0.05 0.00	27.42 0.07 0.00	27.84 0.02 0.00	34.06 0.12 0.00	37.08 0.09 0.00	36.46 0.06 0.00	34.22 0.00 0.00	31.08 0.00 0.00	23.58 -0.10 0.00	26.49 -0.06 0.00	26.91 -0.04 0.00
MILLIKEN___2 23585	13.75 -0.11 0.00	18.98 -0.16 0.00	26.22 -0.18 0.00	23.99 -0.20 0.00	17.55 -0.14 0.00	16.01 -0.10 0.00	24.38 -0.06 0.00	20.77 -0.10 0.00	26.62 -0.09 0.00	23.55 -0.13 0.00	19.87 -0.10 0.00	17.10 -0.03 0.00	15.99 -0.03 0.00	19.85 0.05 0.00	27.42 0.07 0.00	27.84 0.02 0.00	34.06 0.12 0.00	37.08 0.09 0.00	36.46 0.06 0.00	34.22 0.00 0.00	31.08 0.00 0.00	23.58 -0.10 0.00	26.49 -0.06 0.00	26.91 -0.04 0.00
MILLIKEN___DIESEL 23629	13.75 -0.11 0.00	18.98 -0.16 0.00	26.22 -0.18 0.00	23.99 -0.20 0.00	17.55 -0.14 0.00	16.01 -0.10 0.00	24.38 -0.06 0.00	20.77 -0.10 0.00	26.62 -0.09 0.00	23.55 -0.13 0.00	19.87 -0.10 0.00	17.10 -0.03 0.00	15.99 -0.03 0.00	19.85 0.05 0.00	27.42 0.07 0.00	27.84 0.02 0.00	34.06 0.12 0.00	37.08 0.09 0.00	36.46 0.06 0.00	34.22 0.00 0.00	31.08 0.00 0.00	23.58 -0.10 0.00	26.49 -0.06 0.00	26.91 -0.04 0.00
MILLSEAT___LFGE 323607	12.73 -1.13 0.00	17.56 -1.58 0.00	24.32 -2.08 0.00	22.14 -2.06 0.00	16.19 -1.50 0.00	14.79 -1.32 0.00	22.66 -1.78 0.00	16.91 -1.84 2.11	18.73 -2.06 5.92	20.47 -1.84 1.37	15.00 -1.53 3.44	11.67 -1.25 4.20	9.58 -1.36 5.08	12.62 -1.59 5.60	18.60 -2.08 6.67	18.57 -2.24 7.01	23.32 -2.75 7.87	25.22 -3.26 8.51	24.93 -3.24 8.23	23.42 -2.90 7.90	21.34 -2.51 7.23	21.02 -2.19 0.46	24.58 -1.97 0.00	25.21 -1.74 0.00
MILLWOOD_138_KV_38W41_REV_LBMP_H 345005	14.48 0.62 0.00	19.96 0.81 0.00	27.54 1.14 0.00	25.25 1.06 0.00	18.47 0.78 0.00	16.80 0.69 0.00	25.51 1.06 0.00	21.87 1.00 0.00	27.95 1.24 0.00	24.79 1.11 0.00	26.47 1.03 -5.47	26.57 0.88 -8.56	27.83 0.86 -10.95	24.55 1.12 -3.63	28.91 1.55 0.00	29.44 1.62 0.00	35.94 2.00 0.00	39.30 2.30 0.00	38.61 2.20 0.00	36.25 2.03 0.00	32.84 1.76 0.00	24.97 1.30 0.00	27.98 1.42 0.00	28.27 1.33 0.00
MILLWOOD_13_KV_LOAD 356217	14.49 0.64 0.00	19.98 0.83 0.00	27.57 1.17 0.00	25.27 1.08 0.00	18.49 0.80 0.00	16.82 0.71 0.00	25.53 1.09 0.00	21.90 1.03 0.00	27.99 1.28 0.00	24.83 1.15 0.00	26.50 1.06 -5.47	26.59 0.90 -8.56	27.85 0.88 -10.95	24.57 1.14 -3.63	28.94 1.59 0.00	29.47 1.65 0.00	36.00 2.06 0.00	39.36 2.37 0.00	38.66 2.26 0.00	36.30 2.08 0.00	32.89 1.81 0.00	25.00 1.33 0.00	28.01 1.45 0.00	28.31 1.36 0.00
MODEL_CITY_ENERGY 24167	12.32 -1.54 0.00	16.99 -2.15 0.00	23.54 -2.86 0.00	21.41 -2.78 0.00	15.64 -2.05 0.00	14.27 -1.85 0.00	21.82 -2.62 0.00	15.53 -2.64 2.70	16.15 -3.05 7.51	19.19 -2.75 1.75	13.36 -2.27 4.34	9.91 -1.90 5.32	7.55 -1.97 6.50	10.27 -2.37 7.16	15.63 -3.19 8.54	15.47 -3.38 8.97	19.66 -4.21 10.07	21.20 -4.91 10.89	21.02 -4.85 10.53	19.75 -4.36 10.10	18.07 -3.76 9.25	19.91 -3.18 0.59	23.58 -2.98 0.00	24.28 -2.66 0.00
MODERN_LFGE___ 323580	12.32 -1.54 0.00	16.99 -2.15 0.00	23.54 -2.86 0.00	21.41 -2.78 0.00	15.64 -2.05 0.00	14.27 -1.85 0.00	21.82 -2.62 0.00	15.53 -2.64 2.70	16.15 -3.05 7.51	19.19 -2.75 1.75	13.36 -2.27 4.34	9.91 -1.90 5.32	7.55 -1.97 6.50	10.27 -2.37 7.16	15.63 -3.19 8.54	15.47 -3.38 8.97	19.66 -4.21 10.07	21.20 -4.91 10.89	21.02 -4.85 10.53	19.75 -4.36 10.10	18.07 -3.76 9.25	19.91 -3.18 0.59	23.58 -2.98 0.00	24.28 -2.66 0.00
MOHAWK_PAPER___DRP 24187	14.37 0.52 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.06 0.86 0.00	18.30 0.61 0.00	16.67 0.56 0.00	25.33 0.88 0.00	21.73 0.86 0.00	27.82 1.11 0.00	24.65 0.97 0.00	22.12 0.78 -1.36	19.91 0.66 -2.13	19.33 0.59 -2.72	21.46 0.76 -0.90	28.42 1.07 0.00	29.00 1.19 0.00	35.36 1.42 0.00	38.60 1.60 0.00	37.95 1.55 0.00	35.65 1.43 0.00	32.39 1.31 0.00	24.66 0.99 0.00	27.64 1.09 0.00	28.02 1.07 0.00
MOHICAN___35_KV_115KV_LD 80490	14.46 0.60 0.00	19.90 0.76 0.00	27.41 1.01 0.00	25.13 0.94 0.00	18.35 0.66 0.00	16.73 0.62 0.00	25.50 1.05 0.00	21.91 1.05 0.00	28.09 1.38 0.00	24.94 1.25 0.00	22.27 1.03 -1.27	20.00 0.89 -1.98	19.31 0.76 -2.54	21.55 0.91 -0.84	28.72 1.37 0.00	29.29 1.47 0.00	35.86 1.92 0.00	39.24 2.24 0.00	38.56 2.16 0.00	36.20 1.98 0.00	32.83 1.75 0.00	24.93 1.25 0.00	27.86 1.31 0.00	28.19 1.24 0.00
MONGAUP___HYD 23641	14.50 0.64 0.00	19.99 0.84 0.00	27.57 1.17 0.00	25.26 1.07 0.00	18.48 0.79 0.00	16.82 0.72 0.00	25.59 1.14 0.00	21.87 1.00 0.00	27.93 1.22 0.00	24.62 0.93 0.00	12.69 0.74 8.03	5.17 0.62 12.57	0.55 0.60 16.07	15.34 0.86 5.32	28.66 1.31 0.00	29.33 1.51 0.00	35.91 1.97 0.00	39.30 2.30 0.00	38.65 2.25 0.00	36.28 2.07 0.00	32.88 1.80 0.00	24.99 1.31 0.00	27.97 1.41 0.00	28.26 1.32 0.00
MONTAUK___DIESEL 23721	14.60 0.74 0.00	19.87 0.72 0.00	27.40 1.00 0.00	25.30 1.11 0.00	18.54 0.85 0.00	16.84 0.73 0.00	25.65 1.21 0.00	22.22 1.35 0.00	28.28 1.57 0.00	25.12 1.43 0.00	26.59 1.44 -5.18	26.43 1.19 -8.11	27.27 0.88 -10.37	24.34 1.10 -3.43	28.93 1.57 0.00	29.64 1.82 0.00	36.51 2.56 0.00	40.25 3.26 0.00	39.59 3.19 0.00	37.04 2.83 0.00	33.43 2.36 0.00	25.39 1.72 0.00	28.45 1.89 0.00	28.57 1.63 0.00
MOONROAD_115KV_HARTFLD_TB1-2 355988	12.31 -1.55 0.00	16.96 -2.18 0.00	23.70 -2.70 0.00	21.59 -2.61 0.00	15.66 -2.03 0.00	14.29 -1.82 0.00	22.01 -2.43 0.00	15.89 -2.45 2.53	16.46 -2.83 7.42	19.52 -2.41 1.76	13.36 -2.14 4.47	9.92 -1.77 5.44	7.76 -1.77 6.49	10.54 -2.12 7.14	15.90 -2.94 8.51	15.91 -2.97 8.94	20.06 -3.85 10.03	21.54 -4.61 10.85	21.42 -4.49 10.49	20.44 -3.71 10.06	18.80 -3.07 9.21	20.61 -2.48 0.59	24.59 -1.97 0.00	25.43 -1.51 0.00



MORRIS_RIDGE___SOLAR 323848	12.47 -1.39 0.00	17.28 -1.87 0.00	23.93 -2.47 0.00	21.81 -2.39 0.00	15.92 -1.77 0.00	14.50 -1.61 0.00	22.19 -2.25 0.00	1.73 -2.19 16.95	-24.18 -2.68 48.21	10.14 -2.41 11.14	-10.49 -2.09 28.38	-19.00 -1.65 34.48	-26.54 -1.58 40.98	-27.16 -1.90 45.07	-28.88 -2.52 53.71	-31.27 -2.67 56.43	-32.65 -3.24 63.35	-35.07 -3.56 68.51	-33.38 -3.53 66.24	-32.76 -3.44 63.54	-30.14 -3.05 58.17	17.44 -2.53 3.71	24.16 -2.39 0.00	24.87 -2.08 0.00
MORTIMER_115KV_TB3 55949	13.02 -0.83 0.00	17.97 -1.17 0.00	24.85 -1.55 0.00	22.67 -1.53 0.00	16.57 -1.12 0.00	15.12 -0.99 0.00	23.05 -1.39 0.00	19.47 -1.40 0.00	25.05 -1.67 -0.01	22.26 -1.43 0.00	18.77 -1.21 -0.01	16.14 -0.99 -0.01	14.98 -1.04 0.00	18.61 -1.19 0.00	25.74 -1.62 0.00	26.09 -1.73 0.00	31.85 -2.09 0.00	34.53 -2.46 0.00	33.96 -2.44 0.00	31.99 -2.23 0.00	29.11 -1.96 0.00	22.11 -1.57 0.00	25.08 -1.48 0.00	25.60 -1.34 0.00
MOTTHAVN_138_KV_9M4_REV_LBMP_J 345006	14.54 0.68 0.00	20.04 0.89 0.00	27.64 1.24 0.00	25.35 1.15 0.00	18.54 0.85 0.00	16.86 0.75 0.00	25.59 1.14 0.00	21.95 1.09 0.00	28.07 1.36 0.00	24.91 1.22 0.00	26.31 1.15 -5.19	26.24 0.99 -8.13	27.39 0.98 -10.39	24.51 1.26 -3.44	29.08 1.73 0.00	29.60 1.79 0.00	36.13 2.19 0.00	39.51 2.51 0.00	38.80 2.40 0.00	36.42 2.20 0.00	32.99 1.91 0.00	25.09 1.42 0.00	28.11 1.55 0.00	28.40 1.46 0.00
MUNSVILLE_WIND_PWR 323609	13.72 -0.13 0.00	19.01 -0.13 0.00	26.44 0.04 0.00	24.16 -0.03 0.00	17.67 -0.02 0.00	16.34 0.23 0.00	25.27 0.82 0.00	21.68 0.81 0.00	27.68 0.97 0.00	24.30 0.61 0.00	19.89 0.46 0.54	16.68 0.41 0.85	15.26 0.34 1.09	20.05 0.61 0.36	28.31 0.96 0.00	28.88 1.06 0.00	35.69 1.75 0.00	38.86 1.86 0.00	37.88 1.48 0.00	35.30 1.08 0.00	32.22 1.15 0.00	24.20 0.52 0.00	27.12 0.56 0.00	27.60 0.65 0.00
N SALMON___HYD 24042	13.91 0.05 0.00	19.18 0.04 0.00	26.39 -0.01 0.00	24.29 0.10 0.00	17.82 0.13 0.00	16.23 0.12 0.00	24.72 0.28 0.00	21.18 0.32 0.00	27.02 0.31 0.00	24.02 0.33 0.00	20.02 0.05 0.00	17.05 -0.08 0.00	16.09 0.07 0.00	19.70 -0.11 0.00	27.32 -0.04 0.00	27.70 -0.12 0.00	33.81 -0.14 0.00	36.90 -0.10 0.00	36.44 0.04 0.00	34.38 0.16 0.00	31.20 0.12 0.00	23.66 -0.02 0.00	26.41 -0.14 0.00	26.84 -0.10 0.00
N.AKRON__115KV_KNAPP 355671	12.65 -1.20 0.00	17.45 -1.69 0.00	24.18 -2.22 0.00	22.00 -2.19 0.00	16.08 -1.60 0.00	14.69 -1.42 0.00	22.49 -1.95 0.00	16.56 -2.02 2.29	18.01 -2.30 6.41	20.17 -2.04 1.48	14.54 -1.71 3.73	11.15 -1.42 4.55	8.99 -1.53 5.50	11.97 -1.77 6.06	17.74 -2.39 7.22	17.67 -2.56 7.59	22.29 -3.13 8.52	24.07 -3.71 9.21	23.83 -3.66 8.91	22.38 -3.30 8.55	20.40 -2.85 7.82	20.77 -2.41 0.50	24.38 -2.18 0.00	25.02 -1.92 0.00
N.BELMOR_69_KV_BK1 55787	14.78 0.93 0.00	20.22 1.07 0.00	27.87 1.47 0.00	25.66 1.46 0.00	18.79 1.10 0.00	17.06 0.95 0.00	25.88 1.43 0.00	22.33 1.46 0.00	28.45 1.75 0.00	25.23 1.55 0.00	26.61 1.47 -5.18	26.49 1.25 -8.11	27.48 1.08 -10.37	24.64 1.41 -3.43	29.32 1.97 0.00	29.83 2.01 0.00	36.54 2.60 0.00	40.05 3.05 0.00	39.34 2.94 0.00	36.98 2.76 0.00	33.48 2.40 0.00	25.46 1.78 0.00	28.50 1.94 0.00	28.75 1.81 0.00
N.E_GEN_SANDY PD 24062	20.79 0.61 -6.32	21.18 0.82 -1.22	27.50 1.10 0.00	26.18 1.03 -0.95	22.05 0.75 -3.60	18.74 0.68 -1.95	25.61 1.03 -0.14	21.96 1.00 -0.09	29.01 1.24 -1.05	32.72 1.11 -7.92	29.20 0.98 -8.24	28.79 0.84 -10.83	27.44 0.79 -10.63	25.34 1.02 -4.52	30.88 1.39 -2.14	30.46 1.46 -1.19	37.90 1.77 -2.19	49.03 2.00 -10.04	41.98 1.95 -3.63	41.30 1.80 -5.28	32.94 1.60 -0.25	27.63 1.21 -2.75	32.48 1.33 -4.59	29.58 1.27 -1.36
N.HEMPST_138_KV_BK345_REV_LBMP_G 345014	14.43 0.58 0.00	19.90 0.76 0.00	27.49 1.09 0.00	25.20 1.01 0.00	18.43 0.74 0.00	16.76 0.65 0.00	25.46 1.02 0.00	21.81 0.95 0.00	27.87 1.17 0.00	24.73 1.04 0.00	10.91 0.96 10.02	2.24 0.81 15.70	-3.26 0.79 20.08	14.18 1.03 6.65	28.81 1.45 0.00	29.34 1.53 0.00	35.85 1.91 0.00	39.19 2.20 0.00	38.49 2.10 0.00	36.16 1.94 0.00	32.75 1.67 0.00	24.89 1.22 0.00	27.90 1.34 0.00	28.18 1.24 0.00
N.QUEENS_27_KV_LOAD 356247	14.57 0.71 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.86 0.74 0.00	25.60 1.16 0.00	21.97 1.11 0.00	28.06 1.35 0.00	24.87 1.19 0.00	26.32 1.16 -5.20	26.25 0.99 -8.14	27.44 1.02 -10.40	24.55 1.30 -3.44	29.04 1.69 0.00	29.58 1.76 0.00	36.12 2.19 0.00	39.51 2.52 0.00	38.79 2.39 0.00	36.40 2.18 0.00	33.01 1.93 0.00	25.08 1.41 0.00	28.08 1.52 0.00	28.39 1.45 0.00
N.TROY___115KV_TB1 355778	14.39 0.53 0.00	19.84 0.69 0.00	27.35 0.94 0.00	25.07 0.87 0.00	18.30 0.61 0.00	16.68 0.57 0.00	25.34 0.90 0.00	21.74 0.87 0.00	27.82 1.11 0.00	24.68 0.99 0.00	22.18 0.83 -1.38	19.98 0.69 -2.16	19.40 0.62 -2.76	21.50 0.78 -0.91	28.47 1.11 0.00	29.01 1.20 0.00	35.43 1.49 0.00	38.65 1.66 0.00	38.03 1.63 0.00	35.72 1.50 0.00	32.43 1.35 0.00	24.68 1.01 0.00	27.66 1.10 0.00	27.99 1.04 0.00
NARROWS_GT1_1 24228	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_2 24229	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_3 24230	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_4 24231	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37



NARROWS_GT1_5 24232	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_6 24233	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_7 24234	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT1_8 24235	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_1 24236	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_2 24237	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_3 24238	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_4 24239	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_5 24240	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_6 24241	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_7 24242	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NARROWS_GT2_8 24243	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NCATSKLL_69_KV_NC-LINE_REV_LBMP_G 345022	14.63 0.77 0.00	20.18 1.04 0.00	27.80 1.40 0.00	25.49 1.29 0.00	18.61 0.92 0.00	16.98 0.87 0.00	25.84 1.40 0.00	22.19 1.33 0.00	28.43 1.73 0.00	25.13 1.45 0.00	21.72 1.04 -0.71	19.04 0.81 -1.11	18.16 0.73 -1.41	21.22 0.95 -0.47	28.72 1.37 0.00	29.43 1.61 0.00	36.16 2.22 0.00	39.56 2.57 0.00	38.92 2.52 0.00	36.53 2.32 0.00	33.14 2.07 0.00	25.21 1.53 0.00	28.22 1.66 0.00	28.60 1.66 0.00
NCHELSEA_115KV_TR2 355582	14.62 0.76 0.00	20.14 1.00 0.00	27.78 1.38 0.00	25.47 1.27 0.00	18.63 0.94 0.00	16.95 0.84 0.00	25.76 1.32 0.00	22.09 1.23 0.00	28.23 1.52 0.00	25.04 1.35 0.00	21.18 1.21 0.00	18.15 1.03 0.00	17.01 0.99 0.00	21.09 1.29 0.00	29.19 1.84 0.00	29.74 1.92 0.00	36.33 2.39 0.00	39.74 2.75 0.00	39.05 2.64 0.00	36.65 2.43 0.00	33.20 2.12 0.00	25.23 1.56 0.00	28.25 1.70 0.00	28.55 1.61 0.00
NEG CAPITAL___MECHNVIL 23645	14.51 0.65 0.00	20.00 0.86 0.00	27.56 1.15 0.00	25.25 1.06 0.00	18.45 0.76 0.00	16.82 0.71 0.00	25.58 1.14 0.00	21.95 1.08 0.00	28.11 1.40 0.00	24.94 1.26 0.00	22.32 1.04 -1.31	20.04 0.87 -2.05	19.41 0.77 -2.62	21.62 0.95 -0.87	28.78 1.42 0.00	29.37 1.55 0.00	35.89 1.95 0.00	39.20 2.21 0.00	38.55 2.15 0.00	36.21 1.99 0.00	32.84 1.76 0.00	24.96 1.29 0.00	27.95 1.39 0.00	28.25 1.30 0.00



NEG CENTRAL_HIGH_ACRES 23767	12.93 -0.93 0.00	17.84 -1.30 0.00	24.66 -1.74 0.00	22.52 -1.67 0.00	16.47 -1.22 0.00	15.03 -1.08 0.00	22.91 -1.53 0.00	19.40 -1.47 0.00	24.97 -1.74 0.00	22.19 -1.50 0.00	18.71 -1.27 0.00	16.09 -1.04 0.00	14.96 -1.06 0.00	18.55 -1.25 0.00	25.67 -1.69 0.00	26.04 -1.78 0.00	31.78 -2.16 0.00	34.49 -2.50 0.00	33.86 -2.54 0.00	31.90 -2.31 0.00	29.02 -2.06 0.00	22.02 -1.66 0.00	24.91 -1.65 0.00	25.38 -1.56 0.00
NEG CENTRAL___DRP 24199	13.42 -0.44 0.00	18.53 -0.61 0.00	25.60 -0.80 0.00	23.42 -0.78 0.00	17.13 -0.56 0.00	15.62 -0.49 0.00	23.79 -0.65 0.00	21.44 -0.66 -1.24	29.44 -0.79 -3.52	23.79 -0.71 -0.81	21.44 -0.60 -2.07	19.21 -0.43 -2.52	18.59 -0.42 -2.99	22.62 -0.47 -3.29	30.61 -0.66 -3.92	31.22 -0.72 -4.12	37.71 -0.86 -4.63	40.98 -1.01 -5.00	40.23 -1.01 -4.84	37.87 -0.99 -4.64	34.48 -0.85 -4.25	23.22 -0.73 -0.27	25.86 -0.70 0.00	26.31 -0.64 0.00
NEG CENTRAL___INDECK 23768	13.11 -0.74 0.00	18.13 -1.01 0.00	25.09 -1.32 0.00	22.90 -1.30 0.00	16.75 -0.94 0.00	15.29 -0.82 0.00	23.43 -1.01 0.00	32.18 -1.05 -12.36	60.70 -1.21 -35.20	30.75 -1.06 -8.13	39.71 -0.99 -20.73	41.57 -0.74 -25.18	45.12 -0.81 -29.91	51.77 -0.92 -32.89	65.43 -1.13 -39.20	67.85 -1.15 -41.19	78.86 -1.32 -46.24	85.62 -1.38 -50.00	83.31 -1.44 -48.35	79.20 -1.39 -46.38	72.28 -1.26 -42.46	25.22 -1.16 -2.71	25.53 -1.02 0.00	26.12 -0.83 0.00
NEG CENTRAL___SENECA 23627	13.29 -0.56 0.00	18.38 -0.76 0.00	25.41 -0.99 0.00	23.23 -0.96 0.00	16.98 -0.71 0.00	15.49 -0.62 0.00	23.67 -0.77 0.00	22.08 -0.79 -2.01	31.49 -0.94 -5.72	24.16 -0.84 -1.32	22.58 -0.76 -3.37	20.69 -0.53 -4.09	20.36 -0.52 -4.86	24.56 -0.59 -5.35	32.92 -0.81 -6.37	33.65 -0.87 -6.69	40.38 -1.07 -7.52	43.87 -1.25 -8.13	43.02 -1.25 -7.86	40.53 -1.22 -7.54	36.95 -1.03 -6.90	23.19 -0.92 -0.44	25.70 -0.86 0.00	26.19 -0.76 0.00
NEG CENTRAL___STATE_STREET 24147	13.66 -0.19 0.00	18.81 -0.33 0.00	25.97 -0.44 0.00	23.75 -0.44 0.00	17.42 -0.27 0.00	15.88 -0.23 0.00	24.08 -0.36 0.00	20.48 -0.38 0.00	26.26 -0.45 0.00	23.27 -0.41 0.00	19.71 -0.26 0.00	16.96 -0.16 0.00	15.85 -0.17 0.00	19.64 -0.16 0.00	27.10 -0.25 0.00	27.53 -0.29 0.00	33.64 -0.30 0.00	36.53 -0.47 0.00	35.99 -0.41 0.00	33.80 -0.41 0.00	30.74 -0.34 0.00	23.35 -0.32 0.00	26.25 -0.31 0.00	26.68 -0.26 0.00
NEG MILLWOOD___DRP 24198	14.63 0.78 0.00	20.16 1.02 0.00	27.80 1.40 0.00	25.50 1.30 0.00	18.65 0.96 0.00	16.98 0.87 0.00	25.78 1.34 0.00	22.13 1.27 0.00	28.29 1.58 0.00	25.09 1.41 0.00	23.32 1.28 -2.07	21.46 1.10 -3.24	21.21 1.05 -4.14	22.54 1.37 -1.37	29.27 1.91 0.00	29.81 1.99 0.00	36.43 2.49 0.00	39.86 2.86 0.00	39.16 2.76 0.00	36.75 2.53 0.00	33.28 2.21 0.00	25.30 1.63 0.00	28.32 1.77 0.00	28.62 1.68 0.00
NEG NORTH_FLCN_SEA 23793	13.94 0.08 0.00	19.26 0.12 0.00	26.50 0.10 0.00	24.42 0.22 0.00	17.95 0.26 0.00	16.34 0.23 0.00	24.96 0.51 0.00	21.41 0.55 0.00	27.30 0.59 0.00	24.31 0.62 0.00	20.23 0.26 0.00	17.20 0.07 0.00	16.20 0.18 0.00	19.77 -0.03 0.00	27.41 0.06 0.00	27.77 -0.05 0.00	33.79 -0.15 0.00	36.99 0.00 0.00	36.49 0.09 0.00	34.40 0.18 0.00	31.26 0.18 0.00	23.72 0.04 0.00	26.42 -0.14 0.00	26.75 -0.19 0.00
NEG NORTH_KES_CHATEGAY 23792	13.82 -0.04 0.00	19.11 -0.04 0.00	26.30 -0.11 0.00	24.21 0.01 0.00	17.78 0.09 0.00	16.19 0.08 0.00	24.69 0.24 0.00	21.14 0.28 0.00	26.92 0.21 0.00	23.94 0.26 0.00	19.95 -0.02 0.00	16.96 -0.16 0.00	16.02 0.00 0.00	19.58 -0.22 0.00	27.14 -0.22 0.00	27.49 -0.33 0.00	33.54 -0.40 0.00	36.66 -0.34 0.00	36.16 -0.24 0.00	34.12 -0.10 0.00	30.97 -0.11 0.00	23.51 -0.17 0.00	26.19 -0.36 0.00	26.61 -0.34 0.00
NEG NORTH___ALICE_FALLS 23915	14.00 0.14 0.00	19.31 0.16 0.00	26.56 0.16 0.00	24.46 0.27 0.00	17.98 0.29 0.00	16.38 0.27 0.00	25.01 0.56 0.00	21.46 0.60 0.00	27.37 0.67 0.00	24.37 0.69 0.00	20.28 0.31 0.00	17.22 0.09 0.00	16.24 0.22 0.00	19.83 0.03 0.00	27.46 0.11 0.00	27.84 0.02 0.00	33.95 0.01 0.00	37.17 0.17 0.00	36.65 0.25 0.00	34.55 0.33 0.00	31.38 0.31 0.00	23.80 0.12 0.00	26.50 -0.05 0.00	26.85 -0.10 0.00
NEG NORTH___LWR_SARANAC 23913	14.00 0.14 0.00	19.31 0.16 0.00	26.56 0.16 0.00	24.46 0.27 0.00	17.98 0.29 0.00	16.38 0.27 0.00	25.01 0.56 0.00	21.46 0.60 0.00	27.37 0.67 0.00	24.37 0.69 0.00	20.28 0.31 0.00	17.22 0.09 0.00	16.24 0.22 0.00	19.83 0.03 0.00	27.46 0.11 0.00	27.84 0.02 0.00	33.95 0.01 0.00	37.17 0.17 0.00	36.65 0.25 0.00	34.55 0.33 0.00	31.38 0.31 0.00	23.80 0.12 0.00	26.50 -0.05 0.00	26.85 -0.10 0.00
NEG NORTH___PLATTSBURG 23628	14.00 0.14 0.00	19.31 0.16 0.00	26.56 0.16 0.00	24.46 0.27 0.00	17.98 0.29 0.00	16.38 0.27 0.00	25.00 0.56 0.00	21.46 0.60 0.00	27.37 0.67 0.00	24.37 0.69 0.00	20.28 0.31 0.00	17.22 0.09 0.00	16.24 0.22 0.00	19.83 0.03 0.00	27.46 0.11 0.00	27.84 0.02 0.00	33.95 0.01 0.00	37.17 0.17 0.00	36.65 0.25 0.00	34.55 0.33 0.00	31.39 0.31 0.00	23.80 0.12 0.00	26.50 -0.05 0.00	26.85 -0.10 0.00
NEG WEST_LEA_LOCKPORT 23791	12.42 -1.43 0.00	17.13 -2.02 0.00	23.74 -2.66 0.00	21.59 -2.61 0.00	15.77 -1.92 0.00	14.39 -1.72 0.00	22.01 -2.43 0.00	15.63 -2.47 2.76	16.06 -2.90 7.74	19.32 -2.57 1.79	13.30 -2.16 4.52	9.80 -1.81 5.51	7.49 -1.89 6.64	10.27 -2.23 7.31	15.62 -3.02 8.71	15.46 -3.21 9.15	19.72 -3.95 10.27	21.25 -4.63 11.11	21.11 -4.55 10.74	19.80 -4.12 10.30	18.08 -3.57 9.43	20.14 -2.93 0.60	23.84 -2.72 0.00	24.54 -2.40 0.00
NEG WEST___LANCASTR 23811	12.88 -0.97 0.00	17.84 -1.30 0.00	24.69 -1.71 0.00	22.48 -1.72 0.00	16.40 -1.29 0.00	14.96 -1.16 0.00	22.86 -1.58 0.00	16.44 -1.69 2.74	17.02 -1.93 7.76	20.23 -1.66 1.80	13.98 -1.44 4.56	10.43 -1.15 5.55	8.19 -1.19 6.63	11.20 -1.30 7.30	16.88 -1.77 8.70	16.68 -2.00 9.14	21.18 -2.50 10.26	22.83 -3.06 11.10	22.65 -3.02 10.73	21.21 -2.72 10.29	19.32 -2.34 9.42	21.08 -2.00 0.60	24.84 -1.72 0.00	25.53 -1.42 0.00
NEG_PENN_ALLEGHNY 23528	13.59 -0.27 0.00	18.82 -0.33 0.00	26.02 -0.39 0.00	23.81 -0.39 0.00	17.38 -0.31 0.00	15.84 -0.27 0.00	24.13 -0.31 0.00	20.52 -0.34 0.00	26.29 -0.42 0.00	23.28 -0.40 0.00	19.01 -0.38 0.58	15.95 -0.26 0.91	14.62 -0.23 1.17	19.20 -0.22 0.39	27.08 -0.27 0.00	27.46 -0.35 0.00	33.54 -0.41 0.00	36.49 -0.50 0.00	35.89 -0.51 0.00	33.67 -0.55 0.00	30.60 -0.48 0.00	23.23 -0.44 0.00	26.15 -0.40 0.00	26.58 -0.37 0.00
NEG___GEN_MONROE 24207	13.05 -0.81 0.00	18.00 -1.14 0.00	24.89 -1.51 0.00	22.70 -1.50 0.00	16.59 -1.10 0.00	15.16 -0.95 0.00	23.14 -1.30 0.00	19.52 -1.34 0.00	25.16 -1.56 -0.01	22.34 -1.34 0.00	18.85 -1.14 -0.01	16.21 -0.92 -0.01	15.03 -0.99 0.00	18.67 -1.14 0.00	25.84 -1.51 0.00	26.19 -1.63 0.00	31.98 -1.96 0.00	34.66 -2.33 0.00	34.09 -2.31 0.00	32.13 -2.10 0.00	29.23 -1.84 0.00	22.17 -1.51 0.00	25.17 -1.39 0.00	25.70 -1.24 0.00



NEPA__ENERGY 23901	12.46 -1.39 0.00	17.20 -1.95 0.00	23.86 -2.54 0.00	21.72 -2.47 0.00	15.83 -1.86 0.00	14.45 -1.66 0.00	22.15 -2.29 0.00	14.70 -2.32 3.85	13.20 -2.71 10.81	18.87 -2.34 2.48	11.67 -2.00 6.30	7.80 -1.66 7.66	5.18 -1.71 9.13	7.76 -2.00 10.04	12.66 -2.73 11.97	12.36 -2.89 12.58	16.24 -3.58 14.12	17.51 -4.22 15.27	17.49 -4.14 14.76	16.37 -3.69 14.16	14.94 -3.17 12.97	20.26 -2.59 0.83	24.31 -2.25 0.00	25.07 -1.87 0.00
NEVERSINK__HYD 23608	14.38 0.53 0.00	19.83 0.68 0.00	27.34 0.94 0.00	25.05 0.86 0.00	18.34 0.65 0.00	16.69 0.58 0.00	25.40 0.96 0.00	21.74 0.88 0.00	27.78 1.07 0.00	24.62 0.93 0.00	17.67 0.79 3.09	12.91 0.61 4.83	10.53 0.69 6.18	18.67 0.92 2.05	28.76 1.41 0.00	29.35 1.53 0.00	35.95 2.01 0.00	39.33 2.34 0.00	38.65 2.25 0.00	36.28 2.06 0.00	32.86 1.78 0.00	24.96 1.29 0.00	27.93 1.37 0.00	28.20 1.26 0.00
NEWKRMKL_115KV_TB1 55635	14.32 0.46 0.00	19.76 0.62 0.00	27.24 0.84 0.00	24.97 0.78 0.00	18.24 0.55 0.00	16.61 0.50 0.00	25.23 0.78 0.00	21.63 0.77 0.00	27.69 0.98 0.00	24.52 0.83 0.00	21.96 0.65 -1.34	19.77 0.55 -2.10	19.20 0.50 -2.68	21.34 0.65 -0.89	28.27 0.91 0.00	28.82 1.00 0.00	35.12 1.18 0.00	38.31 1.31 0.00	37.67 1.27 0.00	35.39 1.18 0.00	32.15 1.07 0.00	24.50 0.82 0.00	27.47 0.91 0.00	27.91 0.97 0.00
NEWTON__FALLS_HYD 23847	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.54 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.94 0.00	26.90 -0.92 0.00	32.85 -1.09 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
NGRID_A1_DSASP 323792	12.23 -1.63 0.00	16.86 -2.28 0.00	23.36 -3.04 0.00	21.24 -2.95 0.00	15.51 -2.18 0.00	14.14 -1.97 0.00	21.62 -2.82 0.00	15.30 -2.79 2.78	15.54 -3.29 7.88	18.90 -2.97 1.82	12.88 -2.46 4.63	9.43 -2.07 5.62	7.13 -2.21 6.68	9.81 -2.65 7.35	15.04 -3.55 8.76	14.86 -3.76 9.20	19.00 -4.61 10.33	20.47 -5.34 11.17	20.33 -5.26 10.81	19.09 -4.76 10.36	17.45 -4.14 9.49	19.77 -3.31 0.60	23.45 -3.11 0.00	24.16 -2.79 0.00
NGRID_A2_DSASP 323793	12.23 -1.63 0.00	16.86 -2.28 0.00	23.36 -3.04 0.00	21.24 -2.95 0.00	15.51 -2.18 0.00	14.14 -1.97 0.00	21.62 -2.82 0.00	15.30 -2.79 2.78	15.54 -3.29 7.88	18.90 -2.97 1.82	12.88 -2.46 4.63	9.43 -2.07 5.62	7.13 -2.21 6.68	9.81 -2.65 7.35	15.04 -3.55 8.76	14.86 -3.76 9.20	19.00 -4.61 10.33	20.47 -5.34 11.17	20.33 -5.26 10.81	19.09 -4.76 10.36	17.45 -4.14 9.49	19.77 -3.31 0.60	23.45 -3.11 0.00	24.16 -2.79 0.00
NGRID_A4_DSASP 323807	12.23 -1.63 0.00	16.86 -2.28 0.00	23.36 -3.04 0.00	21.24 -2.95 0.00	15.51 -2.18 0.00	14.14 -1.97 0.00	21.62 -2.82 0.00	15.30 -2.79 2.78	15.54 -3.29 7.88	18.90 -2.97 1.82	12.88 -2.46 4.63	9.43 -2.07 5.62	7.13 -2.21 6.68	9.81 -2.65 7.35	15.04 -3.55 8.76	14.86 -3.76 9.20	19.00 -4.61 10.33	20.47 -5.34 11.17	20.33 -5.26 10.81	19.09 -4.76 10.36	17.45 -4.14 9.49	19.77 -3.31 0.60	23.45 -3.11 0.00	24.16 -2.79 0.00
NIAGARA_115E_LBMP 323715	12.25 -1.61 0.00	16.90 -2.25 0.00	23.42 -2.99 0.00	21.29 -2.90 0.00	15.55 -2.14 0.00	14.18 -1.93 0.00	21.68 -2.76 0.00	15.33 -2.76 2.78	15.84 -3.18 7.68	19.00 -2.89 1.79	13.16 -2.39 4.43	9.70 -1.99 5.44	7.28 -2.07 6.67	9.96 -2.49 7.36	15.22 -3.36 8.77	15.05 -3.56 9.21	19.15 -4.44 10.34	20.64 -5.16 11.19	20.48 -5.10 10.82	19.25 -4.59 10.38	17.63 -3.95 9.50	19.72 -3.34 0.60	23.41 -3.15 0.00	24.11 -2.83 0.00
NIAGARA_115W_LBMP 323714	12.20 -1.65 0.00	16.83 -2.31 0.00	23.32 -3.08 0.00	21.21 -2.99 0.00	15.49 -2.20 0.00	14.12 -1.99 0.00	21.58 -2.87 0.00	15.29 -2.82 2.76	15.55 -3.32 7.84	18.88 -3.00 1.81	12.87 -2.49 4.61	9.44 -2.09 5.60	7.13 -2.24 6.65	9.82 -2.68 7.31	15.04 -3.61 8.71	14.86 -3.81 9.15	18.99 -4.67 10.27	20.47 -5.41 11.11	20.32 -5.33 10.74	19.08 -4.83 10.30	17.44 -4.20 9.43	19.72 -3.35 0.60	23.40 -3.16 0.00	24.12 -2.83 0.00
NIAGARA_230_LBMP 323716	12.34 -1.51 0.00	17.02 -2.12 0.00	23.59 -2.81 0.00	21.46 -2.74 0.00	15.67 -2.03 0.00	14.28 -1.83 0.00	21.82 -2.63 0.00	15.60 -2.64 2.62	16.05 -3.18 7.48	19.16 -2.81 1.72	13.19 -2.37 4.41	9.79 -1.98 5.35	7.66 -2.04 6.32	10.45 -2.41 6.94	15.83 -3.24 8.28	15.68 -3.44 8.69	19.94 -4.24 9.76	21.48 -4.95 10.56	21.31 -4.88 10.21	20.03 -4.40 9.79	18.29 -3.83 8.96	20.02 -3.09 0.57	23.66 -2.90 0.00	24.35 -2.60 0.00
NIAGARA__115KV_198_GIBSON 55903	12.21 -1.65 0.00	16.83 -2.31 0.00	23.33 -3.07 0.00	21.21 -2.99 0.00	15.49 -2.20 0.00	14.12 -1.99 0.00	21.57 -2.87 0.00	15.27 -2.83 2.76	15.51 -3.35 7.84	18.87 -3.01 1.81	12.86 -2.50 4.61	9.41 -2.12 5.60	7.11 -2.26 6.65	9.80 -2.70 7.31	14.96 -3.68 8.71	14.78 -3.89 9.15	18.92 -4.75 10.27	20.38 -5.51 11.11	20.25 -5.41 10.74	19.00 -4.91 10.30	17.36 -4.29 9.43	19.71 -3.36 0.60	23.40 -3.16 0.00	24.12 -2.83 0.00
NIAGARA____ 23760	12.34 -1.51 0.00	17.02 -2.12 0.00	23.59 -2.81 0.00	21.46 -2.74 0.00	15.67 -2.03 0.00	14.28 -1.83 0.00	21.82 -2.63 0.00	15.57 -2.64 2.65	15.99 -3.18 7.54	19.14 -2.81 1.74	13.17 -2.37 4.43	9.76 -1.98 5.38	7.56 -2.04 6.41	10.33 -2.41 7.06	15.69 -3.24 8.42	15.53 -3.44 8.85	19.75 -4.24 9.95	21.28 -4.95 10.76	21.11 -4.88 10.41	19.84 -4.40 9.98	18.12 -3.83 9.13	20.00 -3.09 0.58	23.66 -2.90 0.00	24.35 -2.60 0.00
NINE_MILE_1 23575	13.34 -0.51 0.00	18.43 -0.71 0.00	25.43 -0.97 0.00	23.29 -0.90 0.00	17.02 -0.66 0.00	15.50 -0.61 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.63 -1.08 0.00	22.72 -0.96 0.00	19.18 -0.79 0.00	16.46 -0.66 0.00	15.38 -0.64 0.00	19.02 -0.78 0.00	26.22 -1.13 0.00	26.64 -1.18 0.00	32.51 -1.43 0.00	35.41 -1.59 0.00	34.83 -1.57 0.00	32.75 -1.46 0.00	29.75 -1.33 0.00	22.71 -0.97 0.00	25.50 -1.06 0.00	25.90 -1.05 0.00
NINE_MILE_2 23744	13.34 -0.51 0.00	18.43 -0.71 0.00	25.43 -0.97 0.00	23.30 -0.90 0.00	17.03 -0.66 0.00	15.50 -0.61 0.00	23.49 -0.95 0.00	19.99 -0.87 0.00	25.64 -1.08 0.00	22.72 -0.96 0.00	19.18 -0.79 0.00	16.46 -0.66 0.00	15.39 -0.63 0.00	19.03 -0.78 0.00	26.22 -1.13 0.00	26.65 -1.17 0.00	32.51 -1.43 0.00	35.41 -1.58 0.00	34.83 -1.57 0.00	32.75 -1.46 0.00	29.75 -1.33 0.00	22.71 -0.97 0.00	25.50 -1.06 0.00	25.91 -1.04 0.00
NM_CAPITAL__DRP 24208	14.32 0.47 0.00	19.77 0.63 0.00	27.26 0.86 0.00	24.98 0.79 0.00	18.24 0.56 0.00	16.62 0.51 0.00	25.23 0.79 0.00	21.65 0.78 0.00	27.70 0.99 0.00	24.54 0.85 0.00	22.03 0.68 -1.37	19.84 0.58 -2.15	19.29 0.53 -2.75	21.39 0.68 -0.91	28.30 0.95 0.00	28.85 1.04 0.00	35.15 1.21 0.00	38.35 1.35 0.00	37.71 1.31 0.00	35.44 1.22 0.00	32.19 1.11 0.00	24.53 0.86 0.00	27.51 0.96 0.00	27.91 0.97 0.00



NM_CENTRAL___DRP 24181	13.54 -0.32 0.00	18.69 -0.45 0.00	25.80 -0.60 0.00	23.63 -0.57 0.00	17.27 -0.42 0.00	15.73 -0.38 0.00	23.89 -0.55 0.00	20.34 -0.53 0.00	26.08 -0.63 0.00	23.12 -0.57 0.00	19.51 -0.46 0.00	16.77 -0.36 0.00	15.66 -0.35 0.00	19.40 -0.40 0.00	26.77 -0.59 0.00	27.18 -0.63 0.00	33.19 -0.75 0.00	36.15 -0.84 0.00	35.53 -0.87 0.00	33.39 -0.83 0.00	30.32 -0.76 0.00	23.10 -0.58 0.00	25.95 -0.61 0.00	26.35 -0.60 0.00
NM_FRONTIER___DRP 24179	12.21 -1.65 0.00	16.83 -2.31 0.00	23.33 -3.07 0.00	21.21 -2.99 0.00	15.49 -2.20 0.00	14.12 -1.99 0.00	21.57 -2.87 0.00	15.27 -2.83 2.76	15.51 -3.35 7.84	18.87 -3.01 1.81	12.86 -2.50 4.61	9.41 -2.12 5.60	7.11 -2.26 6.65	9.80 -2.70 7.31	14.96 -3.68 8.71	14.78 -3.89 9.15	18.92 -4.75 10.27	20.38 -5.51 11.11	20.25 -5.41 10.74	19.00 -4.91 10.30	17.36 -4.29 9.43	19.71 -3.36 0.60	23.40 -3.16 0.00	24.12 -2.83 0.00
NM_ST_REGIS___HYD 24053	13.74 -0.12 0.00	19.02 -0.13 0.00	26.18 -0.22 0.00	24.06 -0.13 0.00	17.63 -0.06 0.00	16.03 -0.08 0.00	24.27 -0.18 0.00	20.79 -0.08 0.00	26.56 -0.15 0.00	23.55 -0.13 0.00	19.73 -0.25 0.00	16.84 -0.29 0.00	15.83 -0.19 0.00	19.44 -0.36 0.00	26.97 -0.39 0.00	27.40 -0.42 0.00	33.44 -0.50 0.00	36.29 -0.70 0.00	35.94 -0.46 0.00	33.85 -0.37 0.00	30.74 -0.34 0.00	23.34 -0.33 0.00	26.19 -0.37 0.00	26.71 -0.23 0.00
NORTHPORT___1 23551	14.90 1.04 0.00	20.34 1.20 0.00	28.06 1.66 0.00	25.87 1.68 0.00	18.92 1.23 0.00	17.14 1.03 0.00	25.99 1.55 0.00	22.42 1.55 0.00	28.54 1.83 0.00	25.28 1.60 0.00	26.73 1.58 -5.18	26.64 1.40 -8.11	27.55 1.16 -10.37	24.75 1.51 -3.43	29.40 2.04 0.00	29.92 2.10 0.00	36.64 2.69 0.00	40.11 3.11 0.00	39.44 3.04 0.00	37.11 2.89 0.00	33.62 2.54 0.00	25.55 1.87 0.00	28.62 2.06 0.00	28.87 1.92 0.00
NORTHPORT___2 23552	14.90 1.04 0.00	20.34 1.20 0.00	28.06 1.66 0.00	25.87 1.68 0.00	18.92 1.23 0.00	17.14 1.03 0.00	25.99 1.55 0.00	22.42 1.55 0.00	28.54 1.83 0.00	25.28 1.60 0.00	26.73 1.58 -5.18	26.64 1.40 -8.11	27.55 1.16 -10.37	24.75 1.51 -3.43	29.40 2.04 0.00	29.92 2.10 0.00	36.64 2.69 0.00	40.11 3.11 0.00	39.44 3.04 0.00	37.11 2.89 0.00	33.62 2.54 0.00	25.55 1.87 0.00	28.62 2.06 0.00	28.87 1.92 0.00
NORTHPORT___3 23553	14.76 0.91 0.00	20.13 0.99 0.00	27.75 1.34 0.00	25.56 1.37 0.00	18.71 1.01 0.00	16.96 0.85 0.00	25.69 1.25 0.00	22.16 1.30 0.00	28.20 1.49 0.00	24.99 1.30 0.00	26.49 1.34 -5.18	26.45 1.21 -8.11	27.39 1.00 -10.37	24.53 1.29 -3.43	29.09 1.74 0.00	29.60 1.78 0.00	36.20 2.26 0.00	39.62 2.63 0.00	38.97 2.57 0.00	36.71 2.49 0.00	33.28 2.20 0.00	25.31 1.64 0.00	28.35 1.80 0.00	28.60 1.65 0.00
NORTHPORT___4 23650	14.76 0.91 0.00	20.13 0.99 0.00	27.75 1.34 0.00	25.56 1.37 0.00	18.71 1.01 0.00	16.96 0.85 0.00	25.69 1.25 0.00	22.16 1.30 0.00	28.20 1.49 0.00	24.99 1.30 0.00	26.49 1.34 -5.18	26.45 1.21 -8.11	27.39 1.00 -10.37	24.53 1.29 -3.43	29.09 1.74 0.00	29.60 1.78 0.00	36.20 2.26 0.00	39.62 2.63 0.00	38.97 2.57 0.00	36.71 2.49 0.00	33.28 2.20 0.00	25.31 1.64 0.00	28.35 1.80 0.00	28.60 1.65 0.00
NORTHPORT___IC 23718	14.90 1.05 0.00	20.34 1.20 0.00	28.07 1.66 0.00	25.88 1.68 0.00	18.92 1.23 0.00	17.14 1.03 0.00	26.00 1.56 0.00	22.42 1.55 0.00	28.54 1.83 0.00	25.28 1.60 0.00	26.73 1.58 -5.18	26.64 1.41 -8.11	27.55 1.16 -10.37	24.75 1.51 -3.43	29.40 2.05 0.00	29.93 2.11 0.00	36.65 2.70 0.00	40.12 3.12 0.00	39.45 3.05 0.00	37.11 2.90 0.00	33.63 2.55 0.00	25.55 1.87 0.00	28.62 2.06 0.00	28.87 1.92 0.00
NORTH___COUNTRY_ESR 323785	13.81 -0.05 0.00	19.10 -0.04 0.00	26.29 -0.11 0.00	24.20 0.01 0.00	17.78 0.09 0.00	16.19 0.08 0.00	24.64 0.20 0.00	21.10 0.23 0.00	26.89 0.18 0.00	23.93 0.25 0.00	19.94 -0.03 0.00	16.96 -0.17 0.00	15.99 -0.03 0.00	19.53 -0.27 0.00	27.04 -0.31 0.00	27.39 -0.42 0.00	33.41 -0.54 0.00	36.49 -0.50 0.00	36.02 -0.39 0.00	34.00 -0.22 0.00	30.86 -0.22 0.00	23.41 -0.26 0.00	26.11 -0.45 0.00	26.49 -0.46 0.00
NPX_GEN_1385_PROXY 323591	15.03 1.17 0.00	20.52 1.38 0.00	28.61 2.21 0.00	26.54 2.34 0.00	19.25 1.56 0.00	17.29 1.18 0.00	26.15 1.71 0.00	22.47 1.61 0.00	28.61 1.90 0.00	25.30 1.62 0.00	26.89 1.74 -5.18	26.88 1.65 -8.11	27.63 1.24 -10.37	24.89 1.65 -3.43	29.41 2.06 0.00	29.94 2.12 0.00	37.83 2.71 -1.18	40.12 3.13 0.00	39.60 3.20 0.00	37.26 3.04 0.00	33.77 2.69 0.00	25.55 1.87 0.00	28.64 2.08 0.00	28.99 2.04 0.00
NPX_GEN_CSC 323557	14.98 1.13 0.00	20.41 1.26 0.00	28.14 1.74 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.22 1.78 0.00	22.66 1.80 0.00	28.84 2.13 0.00	25.58 1.90 0.00	26.99 1.84 -5.18	26.79 1.55 -8.11	27.63 1.23 -10.37	24.79 1.55 -3.43	29.55 2.20 0.00	30.23 2.41 0.00	38.31 3.19 -1.18	40.82 3.82 0.00	40.15 3.75 0.00	37.64 3.42 0.00	34.02 2.94 0.00	25.86 2.19 0.00	28.92 2.36 0.00	29.10 2.15 0.00
NSINS_S___GLNS_FALLS 23858	14.41 0.55 0.00	19.84 0.69 0.00	27.32 0.92 0.00	25.05 0.86 0.00	18.29 0.60 0.00	16.68 0.57 0.00	25.42 0.98 0.00	21.85 0.98 0.00	27.99 1.28 0.00	24.85 1.17 0.00	22.19 0.96 -1.26	19.93 0.84 -1.98	19.25 0.71 -2.53	21.49 0.85 -0.84	28.64 1.29 0.00	29.20 1.38 0.00	35.76 1.82 0.00	39.12 2.13 0.00	38.44 2.03 0.00	36.09 1.87 0.00	32.73 1.65 0.00	24.85 1.18 0.00	27.78 1.23 0.00	28.11 1.16 0.00
NUCOR_STEEL___DRP 24197	13.67 -0.18 0.00	18.82 -0.32 0.00	25.97 -0.43 0.00	23.76 -0.44 0.00	17.43 -0.26 0.00	15.89 -0.22 0.00	24.08 -0.36 0.00	20.48 -0.38 0.00	26.26 -0.45 0.00	23.27 -0.42 0.00	19.71 -0.26 0.00	16.97 -0.16 0.00	15.85 -0.17 0.00	19.64 -0.16 0.00	27.11 -0.24 0.00	27.54 -0.28 0.00	33.66 -0.29 0.00	36.51 -0.49 0.00	35.98 -0.42 0.00	33.82 -0.40 0.00	30.74 -0.34 0.00	23.36 -0.32 0.00	26.25 -0.30 0.00	26.69 -0.26 0.00
NUMBER_THREE_WT_PWR 323818	13.23 -0.62 0.00	18.30 -0.84 0.00	25.15 -1.25 0.00	23.14 -1.06 0.00	16.92 -0.76 0.00	15.50 -0.61 0.00	23.49 -0.96 0.00	20.40 -0.47 0.00	26.46 -0.25 0.00	23.06 -0.63 0.00	19.25 -0.72 0.00	16.63 -0.49 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.44 -0.92 0.00	27.00 -0.82 0.00	32.94 -1.00 0.00	35.66 -1.33 0.00	35.13 -1.27 0.00	32.97 -1.25 0.00	29.87 -1.21 0.00	22.67 -1.00 0.00	25.36 -1.20 0.00	25.70 -1.25 0.00
NYISO_LBMP_REFERENCE 24008	13.85 0.00 0.00	19.14 0.00 0.00	26.40 0.00 0.00	24.20 0.00 0.00	17.69 0.00 0.00	16.11 0.00 0.00	24.44 0.00 0.00	20.86 0.00 0.00	26.71 0.00 0.00	23.68 0.00 0.00	19.97 0.00 0.00	17.12 0.00 0.00	16.02 0.00 0.00	19.80 0.00 0.00	27.35 0.00 0.00	27.82 0.00 0.00	33.94 0.00 0.00	36.99 0.00 0.00	36.40 0.00 0.00	34.22 0.00 0.00	31.08 0.00 0.00	23.68 0.00 0.00	26.56 0.00 0.00	26.95 0.00 0.00



NYPA_BRENTWD____GT 24164	15.00 1.14 0.00	20.45 1.31 0.00	28.20 1.80 0.00	25.99 1.80 0.00	19.02 1.33 0.00	17.26 1.15 0.00	26.20 1.76 0.00	22.62 1.76 0.00	28.82 2.11 0.00	25.54 1.85 0.00	26.93 1.78 -5.18	26.78 1.54 -8.11	27.66 1.27 -10.37	24.88 1.64 -3.43	29.64 2.29 0.00	30.21 2.39 0.00	37.05 3.11 0.00	40.61 3.62 0.00	39.93 3.53 0.00	37.54 3.32 0.00	33.99 2.91 0.00	25.81 2.14 0.00	28.89 2.33 0.00	29.11 2.17 0.00
NYPA_GOWANUS____GT5 24156	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NYPA_GOWANUS____GT6 24157	46.04 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.16 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.45 -25.03	47.04 1.94 -17.74	63.26 2.01 -33.43	47.26 2.49 -10.83	90.28 2.81 -50.47	141.63 2.70 -102.53	84.99 2.50 -48.27	54.69 2.21 -21.40	66.68 1.64 -41.36	47.40 1.81 -19.03	47.03 1.72 -18.37
NYPA_HARLEM__RVR__GT1 24160	14.55 0.69 0.00	20.04 0.89 0.00	27.63 1.23 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.84 0.73 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.03 1.32 0.00	24.85 1.17 0.00	26.30 1.13 -5.20	26.23 0.97 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.98 1.63 0.00	29.53 1.71 0.00	36.07 2.12 0.00	39.45 2.45 0.00	38.74 2.33 0.00	36.34 2.12 0.00	32.96 1.88 0.00	25.05 1.37 0.00	28.05 1.49 0.00	28.36 1.41 0.00
NYPA_HARLEM__RVR__GT2 24161	14.55 0.69 0.00	20.04 0.89 0.00	27.63 1.23 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.84 0.73 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.03 1.32 0.00	24.85 1.17 0.00	26.30 1.13 -5.20	26.23 0.97 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.98 1.63 0.00	29.53 1.71 0.00	36.07 2.12 0.00	39.45 2.45 0.00	38.74 2.33 0.00	36.34 2.12 0.00	32.96 1.88 0.00	25.05 1.37 0.00	28.05 1.49 0.00	28.36 1.41 0.00
NYPA_KENT____GT 24152	33.64 0.77 -19.02	35.54 1.01 -15.39	38.38 1.41 -10.57	37.47 1.30 -11.98	34.78 0.96 -16.13	34.24 0.85 -17.28	37.94 1.28 -12.21	36.59 1.22 -14.50	39.26 1.53 -11.02	37.96 1.37 -12.90	38.99 1.30 -17.72	38.63 1.11 -20.39	38.87 1.09 -21.76	37.74 1.41 -16.52	39.99 1.89 -10.74	50.03 1.96 -20.25	42.91 2.41 -6.56	70.29 2.72 -30.57	101.11 2.59 -62.11	65.85 2.39 -29.24	46.14 2.10 -12.96	50.31 1.58 -25.06	39.82 1.74 -11.53	39.71 1.64 -11.13
NYPA_POUCH1____GT 24155	46.03 0.78 -31.39	45.58 1.04 -25.40	45.33 1.47 -17.45	45.32 1.35 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.94 1.33 -20.16	46.05 1.25 -23.94	46.45 1.55 -18.19	46.37 1.38 -21.30	47.11 1.27 -25.87	46.58 1.09 -28.37	46.23 1.07 -29.15	46.23 1.39 -25.03	46.96 1.86 -17.74	63.18 1.93 -33.43	47.17 2.40 -10.83	90.19 2.72 -50.47	141.56 2.62 -102.53	84.94 2.45 -48.27	54.64 2.17 -21.40	66.64 1.60 -41.36	47.38 1.80 -19.03	47.02 1.71 -18.37
NYPA_VERNON____GT2 24162	21.24 0.74 -6.64	25.48 0.97 -5.38	31.44 1.35 -3.69	29.62 1.24 -4.18	24.24 0.92 -5.63	22.96 0.81 -6.03	29.93 1.22 -4.26	27.10 1.17 -5.06	32.02 1.46 -3.85	29.51 1.31 -4.50	30.80 1.26 -9.57	30.62 1.08 -12.41	31.46 1.07 -14.37	29.19 1.38 -8.01	32.94 1.83 -3.75	36.79 1.90 -7.07	38.55 2.32 -2.29	50.31 2.64 -10.68	60.61 2.52 -21.69	46.74 2.32 -10.21	37.63 2.02 -4.53	33.95 1.53 -8.75	32.24 1.66 -4.02	32.40 1.57 -3.89
NYPA_VERNON____GT3 24163	21.24 0.74 -6.64	25.48 0.97 -5.38	31.44 1.35 -3.69	29.62 1.24 -4.18	24.24 0.92 -5.63	22.96 0.81 -6.03	29.93 1.22 -4.26	27.10 1.17 -5.06	32.02 1.46 -3.85	29.51 1.31 -4.50	30.80 1.26 -9.57	30.62 1.08 -12.41	31.46 1.07 -14.37	29.19 1.38 -8.01	32.94 1.83 -3.75	36.79 1.90 -7.07	38.55 2.32 -2.29	50.31 2.64 -10.68	60.61 2.52 -21.69	46.74 2.32 -10.21	37.63 2.02 -4.53	33.95 1.53 -8.75	32.24 1.66 -4.02	32.40 1.57 -3.89
NYPA__ASTORIA_CC1 323568	14.58 0.72 0.00	20.09 0.94 0.00	27.72 1.31 0.00	25.40 1.20 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	21.99 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.23 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.15 1.79 0.00	29.67 1.86 0.00	36.19 2.25 0.00	39.55 2.56 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.05 1.97 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.46 1.52 0.00
NYPA__ASTORIA_CC2 323569	14.58 0.72 0.00	20.09 0.94 0.00	27.72 1.31 0.00	25.40 1.20 0.00	18.59 0.90 0.00	16.90 0.79 0.00	25.62 1.18 0.00	21.99 1.13 0.00	28.12 1.41 0.00	24.96 1.27 0.00	26.40 1.23 -5.20	26.32 1.06 -8.14	27.47 1.05 -10.40	24.60 1.35 -3.44	29.15 1.79 0.00	29.67 1.86 0.00	36.19 2.25 0.00	39.55 2.56 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.05 1.97 0.00	25.17 1.49 0.00	28.17 1.62 0.00	28.46 1.52 0.00
NYPA__HOLTSVILL 23794	14.92 1.06 0.00	20.34 1.19 0.00	28.05 1.65 0.00	25.86 1.66 0.00	18.92 1.23 0.00	17.17 1.06 0.00	26.07 1.63 0.00	22.51 1.64 0.00	28.65 1.95 0.00	25.41 1.72 0.00	26.82 1.67 -5.18	26.68 1.44 -8.11	27.57 1.17 -10.37	24.75 1.51 -3.43	29.45 2.10 0.00	30.04 2.22 0.00	36.84 2.90 0.00	40.39 3.40 0.00	39.72 3.32 0.00	37.33 3.12 0.00	33.78 2.71 0.00	25.68 2.00 0.00	28.73 2.18 0.00	28.95 2.00 0.00
NYPA__HELLGATE_GT1 24158	14.55 0.69 0.00	20.04 0.89 0.00	27.63 1.23 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.84 0.73 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.03 1.32 0.00	24.85 1.17 0.00	26.30 1.13 -5.20	26.23 0.97 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.98 1.63 0.00	29.53 1.71 0.00	36.07 2.12 0.00	39.45 2.45 0.00	38.74 2.33 0.00	36.34 2.12 0.00	32.96 1.88 0.00	25.05 1.37 0.00	28.05 1.49 0.00	28.36 1.41 0.00
NYPA__HELLGATE_GT2 24159	14.55 0.69 0.00	20.04 0.89 0.00	27.63 1.23 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.84 0.73 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.03 1.32 0.00	24.85 1.17 0.00	26.30 1.13 -5.20	26.23 0.97 -8.14	27.41 0.99 -10.40	24.51 1.26 -3.44	28.98 1.63 0.00	29.53 1.71 0.00	36.07 2.12 0.00	39.45 2.45 0.00	38.74 2.33 0.00	36.34 2.12 0.00	32.96 1.88 0.00	25.05 1.37 0.00	28.05 1.49 0.00	28.36 1.41 0.00
NYS_BARGE__HYD 23848	12.44 -1.42 0.00	17.15 -1.99 0.00	23.77 -2.63 0.00	21.62 -2.57 0.00	15.80 -1.89 0.00	14.41 -1.70 0.00	22.05 -2.39 0.00	15.89 -2.42 2.55	16.77 -2.79 7.15	19.52 -2.51 1.66	13.73 -2.08 4.16	10.32 -1.72 5.08	8.06 -1.82 6.14	10.88 -2.16 6.77	16.39 -2.89 8.07	16.27 -3.07 8.47	20.62 -3.81 9.51	22.24 -4.47 10.29	22.03 -4.43 9.95	20.71 -3.97 9.54	18.92 -3.43 8.73	20.22 -2.90 0.56	23.88 -2.68 0.00	24.57 -2.38 0.00



OAK ORCHARD___HYD 24046	13.02 -0.83 0.00	17.97 -1.18 0.00	24.85 -1.55 0.00	22.67 -1.53 0.00	16.57 -1.12 0.00	15.12 -0.99 0.00	23.06 -1.38 0.00	19.47 -1.39 0.00	25.06 -1.65 -0.01	22.26 -1.43 0.00	18.79 -1.20 -0.01	16.16 -0.97 -0.01	15.00 -1.02 0.00	18.63 -1.18 0.00	25.78 -1.57 0.00	26.14 -1.68 0.00	31.89 -2.05 0.00	34.58 -2.41 0.00	33.99 -2.41 0.00	32.04 -2.18 0.00	29.16 -1.93 0.00	22.12 -1.56 0.00	25.08 -1.48 0.00	25.60 -1.34 0.00
OAKDALE___35_KV_LOAD 356122	13.59 -0.27 0.00	18.81 -0.33 0.00	26.01 -0.39 0.00	23.81 -0.39 0.00	17.38 -0.31 0.00	15.84 -0.28 0.00	24.10 -0.34 0.00	20.51 -0.36 0.00	26.27 -0.44 0.00	23.26 -0.42 0.00	19.00 -0.39 0.58	15.95 -0.27 0.91	14.62 -0.24 1.16	19.18 -0.24 0.38	27.05 -0.30 0.00	27.43 -0.39 0.00	33.48 -0.46 0.00	36.43 -0.56 0.00	35.84 -0.56 0.00	33.63 -0.59 0.00	30.56 -0.52 0.00	23.21 -0.47 0.00	26.13 -0.43 0.00	26.57 -0.38 0.00
OCC_CHEM___DRP 24175	12.23 -1.63 0.00	16.86 -2.28 0.00	23.37 -3.03 0.00	21.25 -2.94 0.00	15.51 -2.17 0.00	14.14 -1.97 0.00	21.62 -2.83 0.00	15.29 -2.80 2.78	15.50 -3.33 7.88	18.89 -2.98 1.82	12.87 -2.48 4.63	9.40 -2.10 5.62	7.10 -2.23 6.68	9.78 -2.67 7.35	14.96 -3.63 8.76	14.78 -3.84 9.20	18.92 -4.69 10.33	20.38 -5.44 11.17	20.26 -5.34 10.81	19.01 -4.85 10.36	17.36 -4.23 9.49	19.76 -3.31 0.60	23.44 -3.12 0.00	24.16 -2.78 0.00
OH_GEN_PROXY 24063	12.38 -1.47 0.00	17.08 -2.06 0.00	23.67 -2.73 0.00	21.53 -2.67 0.00	15.72 -1.97 0.00	14.33 -1.78 0.00	21.89 -2.56 0.00	15.99 -2.57 2.31	17.04 -3.09 6.58	19.45 -2.72 1.52	13.79 -2.30 3.88	10.49 -1.92 4.71	8.49 -1.97 5.57	11.37 -2.32 6.12	16.95 -3.12 7.29	16.85 -3.31 7.66	22.43 -4.09 7.42	22.91 -4.79 9.30	22.70 -4.71 8.99	21.34 -4.26 8.62	19.48 -3.70 7.89	20.19 -2.98 0.50	23.75 -2.81 0.00	24.42 -2.52 0.00
OLIN_CORP_DRP 24177	12.27 -1.58 0.00	16.92 -2.22 0.00	23.45 -2.95 0.00	21.33 -2.87 0.00	15.58 -2.11 0.00	14.20 -1.91 0.00	21.71 -2.73 0.00	15.30 -2.74 2.83	15.64 -3.21 7.86	18.99 -2.87 1.83	13.03 -2.39 4.55	9.53 -2.02 5.57	7.13 -2.10 6.79	9.83 -2.49 7.49	15.03 -3.40 8.93	14.84 -3.61 9.38	18.96 -4.46 10.53	20.42 -5.19 11.38	20.29 -5.10 11.01	19.04 -4.62 10.56	17.42 -3.99 9.67	19.77 -3.29 0.62	23.46 -3.10 0.00	24.17 -2.78 0.00
OLIN_CORP_DSASP 323712	12.23 -1.63 0.00	16.86 -2.28 0.00	23.36 -3.04 0.00	21.24 -2.95 0.00	15.51 -2.18 0.00	14.14 -1.97 0.00	21.62 -2.82 0.00	15.30 -2.79 2.78	15.54 -3.29 7.88	18.90 -2.97 1.82	12.88 -2.46 4.63	9.43 -2.07 5.62	7.13 -2.21 6.68	9.81 -2.65 7.35	15.04 -3.55 8.76	14.86 -3.76 9.20	19.00 -4.61 10.33	20.47 -5.34 11.17	20.33 -5.26 10.81	19.09 -4.76 10.36	17.45 -4.14 9.49	19.77 -3.31 0.60	23.45 -3.11 0.00	24.16 -2.79 0.00
ONEIDA_HERK_LFGE 323681	13.76 -0.09 0.00	19.03 -0.11 0.00	26.20 -0.20 0.00	24.04 -0.15 0.00	17.58 -0.11 0.00	16.07 -0.05 0.00	24.42 -0.02 0.00	21.00 0.14 0.00	27.04 0.34 0.00	23.80 0.11 0.00	20.00 0.03 0.00	17.21 0.08 0.00	16.04 0.02 0.00	19.80 0.00 0.00	27.47 0.12 0.00	27.99 0.17 0.00	34.16 0.22 0.00	37.13 0.14 0.00	36.53 0.13 0.00	34.31 0.09 0.00	31.10 0.02 0.00	23.63 -0.04 0.00	26.46 -0.10 0.00	26.80 -0.15 0.00
ONEIDA___115KV_TB4 55905	13.98 0.13 0.00	19.35 0.21 0.00	26.69 0.29 0.00	24.45 0.26 0.00	17.88 0.19 0.00	16.33 0.22 0.00	24.89 0.44 0.00	21.28 0.42 0.00	27.30 0.59 0.00	24.08 0.40 0.00	20.32 0.35 0.00	17.45 0.33 0.00	16.29 0.28 0.00	20.15 0.35 0.00	27.94 0.58 0.00	28.40 0.58 0.00	34.69 0.75 0.00	37.72 0.73 0.00	37.06 0.66 0.00	34.80 0.58 0.00	31.57 0.49 0.00	24.00 0.32 0.00	26.89 0.33 0.00	27.24 0.29 0.00
ONONDAGA_REF_OCCRA 23987	13.61 -0.24 0.00	18.80 -0.34 0.00	25.96 -0.45 0.00	23.76 -0.43 0.00	17.37 -0.32 0.00	15.83 -0.28 0.00	24.05 -0.39 0.00	20.48 -0.39 0.00	26.26 -0.45 0.00	23.26 -0.42 0.00	19.63 -0.34 0.00	16.87 -0.25 0.00	15.77 -0.25 0.00	19.54 -0.27 0.00	26.96 -0.39 0.00	27.38 -0.43 0.00	33.45 -0.48 0.00	36.44 -0.55 0.00	35.82 -0.58 0.00	33.65 -0.57 0.00	30.56 -0.52 0.00	23.26 -0.41 0.00	26.12 -0.43 0.00	26.53 -0.42 0.00
ONONDAGA___COGEN 23986	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
ONTARIO___LFGE 23819	13.29 -0.56 0.00	18.38 -0.76 0.00	25.41 -0.99 0.00	23.23 -0.96 0.00	16.98 -0.71 0.00	15.49 -0.62 0.00	23.67 -0.77 0.00	22.09 -0.79 -2.01	31.49 -0.93 -5.72	24.16 -0.84 -1.32	22.58 -0.76 -3.37	20.69 -0.53 -4.09	20.36 -0.52 -4.86	24.57 -0.58 -5.35	32.93 -0.80 -6.37	33.65 -0.86 -6.69	40.39 -1.07 -7.52	43.88 -1.24 -8.13	43.02 -1.25 -7.86	40.54 -1.22 -7.54	36.95 -1.03 -6.90	23.20 -0.92 -0.44	25.70 -0.85 0.00	26.18 -0.76 0.00
ORANGEVILLE_WT_PWR 323706	12.32 -1.53 0.00	17.06 -2.08 0.00	23.65 -2.75 0.00	21.52 -2.67 0.00	15.70 -1.99 0.00	14.31 -1.80 0.00	21.90 -2.54 0.00	6.71 -2.47 11.68	-9.46 -2.96 33.20	13.35 -2.66 7.67	-1.82 -2.26 19.54	-8.43 -1.82 23.74	-13.97 -1.77 28.22	-13.35 -2.12 31.04	-12.45 -2.81 36.99	-14.01 -2.97 38.86	-13.29 -3.60 43.62	-14.29 -4.10 47.18	-13.25 -4.03 45.62	-13.34 -3.80 43.76	-12.34 -3.36 40.06	18.30 -2.82 2.55	23.92 -2.63 0.00	24.66 -2.29 0.00
ORANGEVILLE___ESR 323794	12.32 -1.53 0.00	17.06 -2.08 0.00	23.65 -2.75 0.00	21.52 -2.67 0.00	15.70 -1.99 0.00	14.31 -1.80 0.00	21.90 -2.54 0.00	6.71 -2.47 11.68	-9.46 -2.96 33.20	13.35 -2.66 7.67	-1.82 -2.26 19.54	-8.43 -1.82 23.74	-13.97 -1.77 28.22	-13.35 -2.12 31.04	-12.45 -2.81 36.99	-14.01 -2.97 38.86	-13.29 -3.60 43.62	-14.29 -4.10 47.18	-13.25 -4.03 45.62	-13.34 -3.80 43.76	-12.34 -3.36 40.06	18.30 -2.82 2.55	23.92 -2.63 0.00	24.66 -2.29 0.00
OSWEGATCHIE___HYD 24044	13.35 -0.51 0.00	18.49 -0.65 0.00	25.42 -0.98 0.00	23.37 -0.82 0.00	17.11 -0.58 0.00	15.60 -0.51 0.00	23.57 -0.87 0.00	20.32 -0.55 0.00	26.15 -0.56 0.00	22.97 -0.72 0.00	19.26 -0.72 0.00	16.55 -0.58 0.00	15.45 -0.57 0.00	19.01 -0.79 0.00	26.41 -0.95 0.00	26.90 -0.92 0.00	32.85 -1.10 0.00	35.53 -1.47 0.00	35.10 -1.30 0.00	32.99 -1.23 0.00	29.93 -1.14 0.00	22.73 -0.95 0.00	25.50 -1.06 0.00	25.95 -1.00 0.00
OSWEGO___5 23606	13.42 -0.44 0.00	18.54 -0.61 0.00	25.58 -0.82 0.00	23.42 -0.78 0.00	17.12 -0.57 0.00	15.60 -0.52 0.00	23.65 -0.79 0.00	20.13 -0.73 0.00	25.80 -0.91 0.00	22.88 -0.81 0.00	19.31 -0.66 0.00	16.58 -0.55 0.00	15.49 -0.53 0.00	19.16 -0.64 0.00	26.42 -0.93 0.00	26.85 -0.97 0.00	32.77 -1.17 0.00	35.68 -1.32 0.00	35.10 -1.30 0.00	32.99 -1.22 0.00	29.97 -1.11 0.00	22.86 -0.82 0.00	25.67 -0.89 0.00	26.08 -0.87 0.00



OSWEGO___6 23613	13.42 -0.44 0.00	18.54 -0.61 0.00	25.58 -0.82 0.00	23.42 -0.78 0.00	17.12 -0.57 0.00	15.60 -0.52 0.00	23.65 -0.79 0.00	20.13 -0.73 0.00	25.80 -0.91 0.00	22.88 -0.81 0.00	19.31 -0.66 0.00	16.58 -0.55 0.00	15.49 -0.53 0.00	19.16 -0.64 0.00	26.42 -0.93 0.00	26.85 -0.97 0.00	32.77 -1.17 0.00	35.68 -1.32 0.00	35.10 -1.30 0.00	32.99 -1.22 0.00	29.97 -1.11 0.00	22.86 -0.82 0.00	25.67 -0.89 0.00	26.08 -0.87 0.00
OUTOKUMPU-AB___DRP 24206	12.49 -1.37 0.00	17.23 -1.92 0.00	23.87 -2.53 0.00	21.71 -2.49 0.00	15.85 -1.83 0.00	14.47 -1.64 0.00	22.14 -2.30 0.00	15.55 -2.34 2.97	15.59 -2.73 8.39	19.33 -2.42 1.94	13.04 -2.02 4.91	9.45 -1.69 5.98	7.07 -1.80 7.15	9.82 -2.12 7.87	15.10 -2.87 9.38	14.91 -3.06 9.85	19.15 -3.73 11.06	20.63 -4.40 11.96	20.51 -4.32 11.56	19.21 -3.92 11.09	17.53 -3.39 10.15	20.28 -2.75 0.65	24.05 -2.51 0.00	24.75 -2.20 0.00
OXBOW___BTM 323836	12.38 -1.47 0.00	17.08 -2.07 0.00	23.66 -2.74 0.00	21.52 -2.68 0.00	15.71 -1.98 0.00	14.33 -1.78 0.00	21.93 -2.52 0.00	15.47 -2.52 2.88	15.63 -2.94 8.14	19.17 -2.64 1.88	13.01 -2.19 4.77	9.49 -1.83 5.81	7.14 -1.95 6.92	9.86 -2.33 7.61	15.17 -3.11 9.07	14.98 -3.31 9.53	19.18 -4.06 10.70	20.68 -4.74 11.57	20.54 -4.67 11.19	19.26 -4.22 10.73	17.59 -3.66 9.82	20.07 -2.97 0.63	23.81 -2.75 0.00	24.50 -2.45 0.00
OXBOW____ 24026	12.38 -1.47 0.00	17.07 -2.07 0.00	23.66 -2.74 0.00	21.52 -2.68 0.00	15.71 -1.97 0.00	14.33 -1.78 0.00	21.92 -2.52 0.00	15.46 -2.53 2.88	15.60 -2.97 8.14	19.16 -2.64 1.88	12.99 -2.21 4.77	9.46 -1.86 5.81	7.12 -1.98 6.92	9.84 -2.35 7.61	15.09 -3.19 9.07	14.90 -3.38 9.53	19.11 -4.13 10.70	20.59 -4.83 11.57	20.47 -4.74 11.19	19.18 -4.31 10.73	17.52 -3.74 9.82	20.06 -2.98 0.63	23.80 -2.76 0.00	24.50 -2.45 0.00
OXY_CHEM_DSASP 323612	12.23 -1.63 0.00	16.86 -2.28 0.00	23.37 -3.03 0.00	21.25 -2.94 0.00	15.51 -2.17 0.00	14.14 -1.97 0.00	21.62 -2.83 0.00	15.29 -2.80 2.78	15.50 -3.33 7.88	18.89 -2.98 1.82	12.87 -2.48 4.63	9.40 -2.10 5.62	7.10 -2.23 6.68	9.78 -2.67 7.35	14.96 -3.63 8.76	14.78 -3.84 9.20	18.92 -4.69 10.33	20.38 -5.44 11.17	20.26 -5.34 10.81	19.01 -4.85 10.36	17.36 -4.23 9.49	19.76 -3.31 0.60	23.44 -3.12 0.00	24.16 -2.78 0.00
OZONE_PARK_ESR 323760	14.65 0.79 0.00	20.18 1.03 0.00	27.84 1.44 0.00	25.52 1.32 0.00	18.67 0.98 0.00	16.98 0.87 0.00	25.78 1.33 0.00	22.12 1.26 0.00	28.29 1.58 0.00	25.11 1.43 0.00	26.50 1.33 -5.20	26.41 1.14 -8.14	27.56 1.13 -10.41	24.70 1.45 -3.45	29.33 1.98 0.00	29.85 2.04 0.00	36.45 2.51 0.00	39.87 2.88 0.00	39.16 2.75 0.00	36.75 2.53 0.00	33.28 2.21 0.00	25.31 1.63 0.00	28.35 1.79 0.00	28.62 1.68 0.00
PACKARD_I15_KV_ADAMS_187_REV_LBMP_A 345013	12.23 -1.63 0.00	16.86 -2.28 0.00	23.37 -3.03 0.00	21.25 -2.94 0.00	15.51 -2.17 0.00	14.14 -1.97 0.00	21.62 -2.83 0.00	15.29 -2.80 2.78	15.50 -3.33 7.88	18.89 -2.98 1.82	12.87 -2.48 4.63	9.40 -2.10 5.62	7.10 -2.23 6.68	9.78 -2.67 7.35	14.96 -3.63 8.76	14.78 -3.84 9.20	18.92 -4.69 10.33	20.38 -5.44 11.17	20.26 -5.34 10.81	19.01 -4.85 10.36	17.36 -4.23 9.49	19.76 -3.31 0.60	23.44 -3.12 0.00	24.16 -2.78 0.00
PACKARD__115KV_DUPONT_184 80571	12.23 -1.63 0.00	16.86 -2.28 0.00	23.37 -3.03 0.00	21.25 -2.94 0.00	15.51 -2.17 0.00	14.14 -1.97 0.00	21.62 -2.83 0.00	15.29 -2.80 2.78	15.50 -3.33 7.88	18.89 -2.98 1.82	12.87 -2.48 4.63	9.40 -2.10 5.62	7.10 -2.23 6.68	9.78 -2.67 7.35	14.96 -3.63 8.76	14.78 -3.84 9.20	18.92 -4.69 10.33	20.38 -5.44 11.17	20.26 -5.34 10.81	19.01 -4.85 10.36	17.36 -4.23 9.49	19.76 -3.31 0.60	23.44 -3.12 0.00	24.16 -2.78 0.00
PARKCHTR_I38_KV_TB2S_REV_LBMP_J 345007	14.56 0.71 0.00	20.06 0.91 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.86 0.00	16.86 0.75 0.00	25.61 1.17 0.00	21.99 1.12 0.00	28.09 1.38 0.00	24.91 1.22 0.00	26.34 1.17 -5.20	26.26 1.00 -8.14	27.42 1.00 -10.40	24.51 1.26 -3.44	29.02 1.67 0.00	29.57 1.75 0.00	36.11 2.16 0.00	39.50 2.50 0.00	38.78 2.38 0.00	36.41 2.19 0.00	32.99 1.91 0.00	25.08 1.40 0.00	28.09 1.53 0.00	28.39 1.45 0.00
PARKCHTR_I3_KV_CPCTY_REV_LBMP_J 345019	14.58 0.72 0.00	20.06 0.92 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.87 0.00	16.86 0.75 0.00	25.61 1.17 0.00	21.99 1.12 0.00	28.09 1.38 0.00	24.91 1.22 0.00	26.34 1.17 -5.20	26.26 1.00 -8.14	27.42 1.00 -10.40	24.51 1.26 -3.44	29.02 1.67 0.00	29.57 1.75 0.00	36.11 2.17 0.00	39.56 2.56 0.00	38.80 2.40 0.00	36.41 2.19 0.00	33.00 1.92 0.00	25.08 1.40 0.00	28.09 1.53 0.00	28.39 1.45 0.00
PATROON__115KV_TB1 80586	14.34 0.48 0.00	19.80 0.65 0.00	27.29 0.88 0.00	25.01 0.82 0.00	18.27 0.58 0.00	16.64 0.53 0.00	25.27 0.83 0.00	21.68 0.81 0.00	27.74 1.03 0.00	24.57 0.88 0.00	22.01 0.70 -1.33	19.81 0.59 -2.09	19.23 0.54 -2.67	21.39 0.70 -0.88	28.34 0.98 0.00	28.89 1.07 0.00	35.21 1.26 0.00	38.41 1.41 0.00	37.76 1.36 0.00	35.48 1.26 0.00	32.23 1.15 0.00	24.55 0.88 0.00	27.53 0.98 0.00	27.96 1.02 0.00
PATTRSNVILLE__SOLAR 323815	14.28 0.42 0.00	19.72 0.58 0.00	27.19 0.79 0.00	24.92 0.73 0.00	18.21 0.52 0.00	16.60 0.49 0.00	25.22 0.78 0.00	21.59 0.73 0.00	27.61 0.90 0.00	24.38 0.69 0.00	21.69 0.59 -1.13	19.41 0.51 -1.77	18.73 0.44 -2.27	21.02 0.46 -0.75	28.10 0.75 0.00	28.75 0.93 0.00	35.22 1.28 0.00	38.42 1.43 0.00	37.79 1.39 0.00	35.49 1.27 0.00	32.22 1.14 0.00	24.51 0.84 0.00	27.45 0.90 0.00	27.82 0.87 0.00
PAVMNTRD_I15_KV_BK1_REV_LBMP_A 345030	12.80 -1.05 0.00	17.71 -1.43 0.00	24.52 -1.88 0.00	22.31 -1.88 0.00	16.28 -1.41 0.00	14.86 -1.25 0.00	22.73 -1.71 0.00	16.00 -1.81 3.06	15.99 -2.07 8.66	19.90 -1.78 2.00	13.37 -1.53 5.07	9.71 -1.24 6.18	7.33 -1.30 7.39	10.22 -1.44 8.14	15.69 -1.96 9.70	15.45 -2.17 10.19	19.81 -2.69 11.44	21.36 -3.26 12.37	21.22 -3.22 11.96	19.85 -2.89 11.47	18.08 -2.49 10.50	20.90 -2.11 0.67	24.71 -1.84 0.00	25.40 -1.55 0.00
PAWLING_I15_KV_BK3_REV_LBMP_H 345028	14.63 0.78 0.00	20.16 1.02 0.00	27.80 1.40 0.00	25.50 1.30 0.00	18.65 0.96 0.00	16.98 0.87 0.00	25.78 1.34 0.00	22.13 1.27 0.00	28.29 1.58 0.00	25.09 1.41 0.00	23.32 1.28 -2.07	21.46 1.10 -3.24	21.21 1.05 -4.14	22.54 1.37 -1.37	29.27 1.91 0.00	29.81 1.99 0.00	36.43 2.49 0.00	39.86 2.86 0.00	39.16 2.76 0.00	36.75 2.53 0.00	33.28 2.21 0.00	25.30 1.63 0.00	28.32 1.77 0.00	28.62 1.68 0.00
PEEKSKILL____ 23653	14.45 0.60 0.00	19.92 0.78 0.00	27.51 1.11 0.00	25.22 1.03 0.00	18.45 0.76 0.00	16.78 0.67 0.00	25.48 1.04 0.00	21.84 0.97 0.00	27.91 1.20 0.00	24.76 1.07 0.00	26.60 1.00 -5.63	26.79 0.85 -8.81	28.11 0.83 -11.27	24.62 1.08 -3.73	28.85 1.50 0.00	29.38 1.56 0.00	35.90 1.96 0.00	39.25 2.25 0.00	38.55 2.15 0.00	36.19 1.98 0.00	32.79 1.71 0.00	24.93 1.26 0.00	27.94 1.38 0.00	28.24 1.29 0.00



PGE MADISON___WINDPWR 24146	13.72 -0.13 0.00	19.01 -0.13 0.00	26.44 0.04 0.00	24.16 -0.03 0.00	17.67 -0.02 0.00	16.34 0.23 0.00	25.27 0.82 0.00	21.68 0.81 0.00	27.68 0.97 0.00	24.30 0.61 0.00	19.89 0.46 0.54	16.68 0.41 0.85	15.26 0.34 1.09	20.05 0.61 0.36	28.31 0.96 0.00	28.88 1.06 0.00	35.69 1.75 0.00	38.86 1.86 0.00	37.88 1.48 0.00	35.30 1.08 0.00	32.22 1.15 0.00	24.20 0.52 0.00	27.12 0.56 0.00	27.60 0.65 0.00
PIERCEFIELD___HYD 23852	13.66 -0.19 0.00	18.95 -0.20 0.00	26.08 -0.32 0.00	23.96 -0.23 0.00	17.56 -0.13 0.00	15.94 -0.17 0.00	24.08 -0.36 0.00	20.62 -0.24 0.00	26.37 -0.34 0.00	23.37 -0.32 0.00	19.61 -0.36 0.00	16.75 -0.37 0.00	15.73 -0.29 0.00	19.35 -0.45 0.00	26.83 -0.52 0.00	27.28 -0.54 0.00	33.30 -0.64 0.00	36.06 -0.94 0.00	35.74 -0.66 0.00	33.64 -0.58 0.00	30.56 -0.52 0.00	23.22 -0.45 0.00	26.11 -0.45 0.00	26.66 -0.29 0.00
PINELAWN_CC_1 323563	14.86 1.01 0.00	20.29 1.14 0.00	27.97 1.57 0.00	25.77 1.57 0.00	18.87 1.18 0.00	17.11 1.00 0.00	25.99 1.55 0.00	22.45 1.58 0.00	28.59 1.88 0.00	25.35 1.66 0.00	26.74 1.59 -5.18	26.61 1.37 -8.11	27.53 1.13 -10.37	24.70 1.47 -3.43	29.42 2.06 0.00	29.96 2.14 0.00	36.72 2.78 0.00	40.26 3.27 0.00	39.59 3.18 0.00	37.20 2.99 0.00	33.67 2.60 0.00	25.60 1.92 0.00	28.65 2.10 0.00	28.87 1.93 0.00
PJM_GEN_HTP_PROXY 323702	14.51 0.66 0.00	20.00 0.86 0.00	27.60 1.20 0.00	25.30 1.11 0.00	18.52 0.83 0.00	16.84 0.73 0.00	25.55 1.11 0.00	21.93 1.06 0.00	28.04 1.33 0.00	24.88 1.20 0.00	26.31 1.13 -5.21	26.25 0.97 -8.16	27.41 0.96 -10.43	24.50 1.25 -3.45	28.35 1.70 0.70	29.57 1.75 0.00	36.09 2.15 0.00	39.46 2.46 0.00	38.75 2.35 0.00	36.37 2.15 0.00	32.94 1.86 0.00	25.06 1.39 0.00	28.06 1.51 0.00	28.35 1.41 0.00
PJM_GEN_KEystone 24065	13.61 -0.24 0.00	18.82 -0.31 0.01	26.09 -0.31 0.00	23.85 -0.34 0.00	17.42 -0.27 0.00	15.85 -0.26 0.00	24.12 -0.32 0.00	20.49 -0.37 0.00	26.26 -0.45 0.00	23.28 -0.40 0.00	6.02 -0.35 13.60	0.82 -0.24 16.06	-0.17 -0.23 15.96	14.37 -0.20 5.23	19.17 -0.22 7.96	-4.75 -0.29 32.28	-105.81 -0.38 139.37	31.65 -0.52 4.82	35.85 -0.55 0.00	33.71 -0.51 0.00	30.60 -0.48 0.00	23.22 -0.45 0.00	26.25 -0.31 0.00	26.65 -0.29 0.00
PJM_GEN_NEPTUNE_PROXY 323594	14.71 0.85 0.00	20.09 0.94 0.00	27.71 1.31 0.00	25.53 1.33 0.00	18.70 1.01 0.00	16.96 0.85 0.00	25.72 1.28 0.00	22.19 1.33 0.00	28.28 1.57 0.00	25.07 1.39 0.00	26.48 1.33 -5.18	26.39 1.15 -8.11	27.38 0.99 -10.37	24.51 1.27 -3.43	28.43 1.78 0.70	29.63 1.81 0.00	36.27 2.33 0.00	39.71 2.71 0.00	39.02 2.62 0.00	36.69 2.47 0.00	33.21 2.13 0.00	25.24 1.57 0.00	28.27 1.72 0.00	28.53 1.58 0.00
PJM_GEN_VFT_PROXY 323633	14.43 0.57 0.00	19.73 0.74 0.15	27.46 1.06 0.00	25.17 0.97 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.40 0.96 0.00	21.80 0.93 0.00	27.87 1.16 0.00	24.74 1.05 0.00	26.08 1.00 -5.11	25.99 0.87 -8.00	27.23 0.87 -10.34	24.39 1.14 -3.45	28.20 1.54 0.70	29.42 1.60 0.00	35.92 1.98 0.00	39.27 2.27 0.00	38.56 2.16 0.00	36.19 1.97 0.00	32.77 1.69 0.00	24.94 1.27 0.00	27.93 1.37 0.00	28.21 1.27 0.00
PLATSBURG_115KV_PMLD1 355749	13.93 0.07 0.00	19.25 0.10 0.00	26.48 0.08 0.00	24.40 0.21 0.00	17.94 0.25 0.00	16.34 0.23 0.00	24.94 0.50 0.00	21.39 0.53 0.00	27.28 0.57 0.00	24.29 0.61 0.00	20.21 0.24 0.00	17.18 0.05 0.00	16.19 0.17 0.00	19.75 -0.05 0.00	27.39 0.04 0.00	27.74 -0.07 0.00	33.76 -0.18 0.00	36.97 -0.03 0.00	36.46 0.06 0.00	34.37 0.15 0.00	31.23 0.15 0.00	23.70 0.02 0.00	26.40 -0.16 0.00	26.73 -0.21 0.00
PLEASANTVLY___LBMP 24000	14.45 0.59 0.00	19.92 0.78 0.00	27.47 1.07 0.00	25.20 1.01 0.00	18.43 0.74 0.00	16.77 0.66 0.00	25.45 1.00 0.00	21.84 0.97 0.00	27.91 1.20 0.00	24.76 1.08 0.00	24.34 0.99 -3.37	23.26 0.85 -5.29	23.60 0.82 -6.76	23.12 1.08 -2.24	28.84 1.49 0.00	29.36 1.54 0.00	35.82 1.88 0.00	39.16 2.16 0.00	38.48 2.08 0.00	36.13 1.91 0.00	32.75 1.67 0.00	24.91 1.23 0.00	27.91 1.36 0.00	28.24 1.29 0.00
PLSNTVLE_13_KV_13.8KVDIST 80602	14.52 0.66 0.00	20.01 0.87 0.00	27.60 1.20 0.00	25.32 1.12 0.00	18.52 0.83 0.00	16.84 0.73 0.00	25.57 1.12 0.00	21.94 1.08 0.00	28.05 1.34 0.00	24.88 1.20 0.00	25.72 1.11 -4.63	25.33 0.95 -7.26	26.23 0.93 -9.28	24.08 1.21 -3.07	29.02 1.66 0.00	29.54 1.72 0.00	36.05 2.11 0.00	39.43 2.44 0.00	38.74 2.34 0.00	36.37 2.15 0.00	32.95 1.87 0.00	25.06 1.39 0.00	28.07 1.51 0.00	28.37 1.43 0.00
PLSNTVLE_13_KV_13KVDISA_REV_LBMP_I 345020	14.52 0.66 0.00	20.01 0.87 0.00	27.60 1.20 0.00	25.32 1.12 0.00	18.52 0.83 0.00	16.84 0.73 0.00	25.57 1.12 0.00	21.94 1.08 0.00	28.05 1.34 0.00	24.88 1.20 0.00	25.72 1.11 -4.63	25.33 0.95 -7.26	26.23 0.93 -9.28	24.08 1.21 -3.07	29.02 1.66 0.00	29.54 1.72 0.00	36.05 2.11 0.00	39.43 2.44 0.00	38.74 2.34 0.00	36.37 2.15 0.00	32.95 1.87 0.00	25.06 1.39 0.00	28.07 1.51 0.00	28.37 1.43 0.00
PLSTVYCH_69_KV_RQ-3_RG2_REV_LBMP_G 345023	14.60 0.74 0.00	20.12 0.98 0.00	27.74 1.34 0.00	25.44 1.25 0.00	18.60 0.92 0.00	16.93 0.82 0.00	25.72 1.28 0.00	22.06 1.20 0.00	28.20 1.50 0.00	25.02 1.33 0.00	22.27 1.18 -1.11	19.87 1.01 -1.73	19.20 0.96 -2.22	21.81 1.27 -0.73	29.16 1.80 0.00	29.69 1.87 0.00	36.27 2.33 0.00	39.69 2.70 0.00	38.98 2.58 0.00	36.60 2.38 0.00	33.15 2.07 0.00	25.21 1.53 0.00	28.22 1.66 0.00	28.54 1.59 0.00
POLETTI___ 23519	14.50 0.65 0.00	19.98 0.84 0.00	27.58 1.18 0.00	25.29 1.09 0.00	18.50 0.81 0.00	16.81 0.70 0.00	25.48 1.03 0.00	21.86 0.99 0.00	27.94 1.23 0.00	24.80 1.12 0.00	26.25 1.08 -5.20	26.20 0.93 -8.14	27.38 0.95 -10.41	24.49 1.23 -3.45	28.98 1.63 0.00	29.49 1.67 0.00	35.99 2.05 0.00	39.34 2.35 0.00	38.64 2.24 0.00	36.26 2.04 0.00	32.86 1.78 0.00	24.99 1.32 0.00	27.98 1.43 0.00	28.28 1.34 0.00
POMONA___ESR 323819	14.43 0.58 0.00	19.90 0.76 0.00	27.49 1.09 0.00	25.20 1.01 0.00	18.43 0.74 0.00	16.76 0.65 0.00	25.46 1.02 0.00	21.81 0.95 0.00	27.87 1.16 0.00	24.73 1.04 0.00	10.91 0.95 10.02	2.24 0.81 15.70	-3.27 0.79 20.08	14.18 1.03 6.65	28.80 1.45 0.00	29.33 1.52 0.00	35.84 1.90 0.00	39.18 2.19 0.00	38.49 2.09 0.00	36.15 1.93 0.00	32.75 1.67 0.00	24.89 1.21 0.00	27.90 1.34 0.00	28.18 1.24 0.00
PORT_JEFF_3 23555	14.96 1.10 0.00	20.39 1.25 0.00	28.12 1.72 0.00	25.92 1.72 0.00	18.96 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.71 0.00	28.75 2.04 0.00	25.48 1.80 0.00	26.89 1.74 -5.18	26.74 1.50 -8.11	27.62 1.22 -10.37	24.80 1.57 -3.43	29.54 2.19 0.00	30.14 2.32 0.00	36.98 3.03 0.00	40.57 3.58 0.00	39.89 3.49 0.00	37.49 3.27 0.00	33.93 2.85 0.00	25.78 2.11 0.00	28.84 2.28 0.00	29.05 2.10 0.00



PORT_JEFF_4 23616	14.96 1.10 0.00	20.39 1.25 0.00	28.12 1.72 0.00	25.92 1.72 0.00	18.96 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.71 0.00	28.75 2.04 0.00	25.48 1.80 0.00	26.89 1.74 -5.18	26.74 1.50 -8.11	27.62 1.22 -10.37	24.80 1.57 -3.43	29.54 2.19 0.00	30.14 2.32 0.00	36.98 3.03 0.00	40.57 3.58 0.00	39.89 3.49 0.00	37.49 3.27 0.00	33.93 2.85 0.00	25.78 2.11 0.00	28.84 2.28 0.00	29.05 2.10 0.00
PORT_JEFF_IC 23713	14.97 1.11 0.00	20.40 1.26 0.00	28.13 1.73 0.00	25.92 1.72 0.00	18.97 1.28 0.00	17.21 1.10 0.00	26.15 1.71 0.00	22.58 1.72 0.00	28.76 2.05 0.00	25.50 1.82 0.00	26.91 1.76 -5.18	26.75 1.52 -8.11	27.63 1.24 -10.37	24.82 1.58 -3.43	29.56 2.21 0.00	30.17 2.35 0.00	37.02 3.08 0.00	40.62 3.63 0.00	39.94 3.54 0.00	37.54 3.32 0.00	33.96 2.89 0.00	25.81 2.13 0.00	28.86 2.30 0.00	29.06 2.11 0.00
PPL_PILGRIM_ST_GT1 24216	15.00 1.14 0.00	20.45 1.31 0.00	28.20 1.80 0.00	25.99 1.80 0.00	19.02 1.33 0.00	17.26 1.15 0.00	26.20 1.76 0.00	22.62 1.76 0.00	28.82 2.11 0.00	25.54 1.85 0.00	26.93 1.78 -5.18	26.78 1.54 -8.11	27.66 1.27 -10.37	24.88 1.64 -3.43	29.64 2.29 0.00	30.21 2.39 0.00	37.05 3.11 0.00	40.61 3.62 0.00	39.93 3.53 0.00	37.54 3.32 0.00	33.99 2.91 0.00	25.81 2.14 0.00	28.89 2.33 0.00	29.11 2.17 0.00
PPL_PILGRIM_ST_GT2 24217	15.00 1.14 0.00	20.45 1.31 0.00	28.20 1.80 0.00	25.99 1.80 0.00	19.02 1.33 0.00	17.26 1.15 0.00	26.20 1.76 0.00	22.62 1.76 0.00	28.82 2.11 0.00	25.54 1.85 0.00	26.93 1.78 -5.18	26.78 1.54 -8.11	27.66 1.27 -10.37	24.88 1.64 -3.43	29.64 2.29 0.00	30.21 2.39 0.00	37.05 3.11 0.00	40.61 3.62 0.00	39.93 3.53 0.00	37.54 3.32 0.00	33.99 2.91 0.00	25.81 2.14 0.00	28.89 2.33 0.00	29.11 2.17 0.00
PPL_SHRM_GT3 24213	14.99 1.14 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.15 0.00	25.60 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.24 -10.37	24.79 1.55 -3.43	29.55 2.20 0.00	30.23 2.41 0.00	37.14 3.20 0.00	40.82 3.82 0.00	40.15 3.75 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.87 2.19 0.00	28.93 2.38 0.00	29.12 2.17 0.00
PPL_SHRM_GT4 24214	14.99 1.14 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.15 0.00	25.60 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.24 -10.37	24.79 1.55 -3.43	29.55 2.20 0.00	30.23 2.41 0.00	37.14 3.20 0.00	40.82 3.82 0.00	40.15 3.75 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.87 2.19 0.00	28.93 2.38 0.00	29.12 2.17 0.00
PROJECT___ORANGE 1 24174	13.54 -0.32 0.00	18.71 -0.44 0.00	25.82 -0.58 0.00	23.63 -0.56 0.00	17.27 -0.42 0.00	15.74 -0.37 0.00	23.90 -0.54 0.00	20.35 -0.52 0.00	26.09 -0.61 0.00	23.12 -0.56 0.00	19.52 -0.45 0.00	16.77 -0.35 0.00	15.67 -0.35 0.00	19.41 -0.39 0.00	26.77 -0.58 0.00	27.20 -0.62 0.00	33.22 -0.72 0.00	36.17 -0.82 0.00	35.55 -0.85 0.00	33.41 -0.81 0.00	30.33 -0.74 0.00	23.11 -0.57 0.00	25.96 -0.60 0.00	26.36 -0.59 0.00
PROJECT___ORANGE 2 24166	13.54 -0.32 0.00	18.71 -0.44 0.00	25.82 -0.58 0.00	23.63 -0.56 0.00	17.27 -0.42 0.00	15.74 -0.37 0.00	23.90 -0.54 0.00	20.35 -0.52 0.00	26.09 -0.61 0.00	23.12 -0.56 0.00	19.52 -0.45 0.00	16.77 -0.35 0.00	15.67 -0.35 0.00	19.41 -0.39 0.00	26.77 -0.58 0.00	27.20 -0.62 0.00	33.22 -0.72 0.00	36.17 -0.82 0.00	35.55 -0.85 0.00	33.41 -0.81 0.00	30.33 -0.74 0.00	23.11 -0.57 0.00	25.96 -0.60 0.00	26.36 -0.59 0.00
PUCKETT___SOLAR 323809	13.67 -0.18 0.00	18.94 -0.20 0.00	26.23 -0.18 0.00	23.99 -0.20 0.00	17.50 -0.19 0.00	16.05 -0.06 0.00	24.52 0.08 0.00	20.86 -0.01 0.00	26.65 -0.06 0.00	23.54 -0.15 0.00	19.20 -0.18 0.59	16.09 -0.10 0.93	14.75 -0.08 1.19	19.43 0.02 0.39	27.47 0.12 0.00	27.94 0.12 0.00	34.21 0.27 0.00	37.26 0.26 0.00	36.61 0.20 0.00	34.32 0.10 0.00	31.21 0.13 0.00	23.60 -0.08 0.00	26.50 -0.06 0.00	26.98 0.03 0.00
PYRITES___HYD 24023	13.97 0.11 0.00	19.38 0.24 0.00	26.69 0.29 0.00	24.50 0.30 0.00	17.95 0.26 0.00	16.34 0.23 0.00	24.72 0.28 0.00	21.15 0.29 0.00	27.02 0.31 0.00	23.92 0.24 0.00	20.12 0.15 0.00	17.08 -0.05 0.00	16.10 0.08 0.00	19.81 0.01 0.00	27.53 0.18 0.00	28.03 0.21 0.00	34.24 0.30 0.00	37.12 0.12 0.00	36.78 0.38 0.00	34.61 0.39 0.00	31.44 0.36 0.00	23.87 0.19 0.00	26.79 0.24 0.00	27.33 0.38 0.00
QUAKERRD_115KV_BK1 80622	12.88 -0.97 0.00	17.78 -1.36 0.00	24.57 -1.83 0.00	22.44 -1.76 0.00	16.41 -1.28 0.00	14.97 -1.14 0.00	22.80 -1.64 0.00	19.29 -1.58 0.00	24.79 -1.92 0.00	22.03 -1.66 0.00	18.58 -1.39 0.00	15.97 -1.16 0.00	14.85 -1.17 0.00	18.43 -1.37 0.00	25.48 -1.87 0.00	25.84 -1.98 0.00	31.54 -2.40 0.00	34.22 -2.77 0.00	33.64 -2.76 0.00	31.68 -2.54 0.00	28.82 -2.26 0.00	21.91 -1.77 0.00	24.78 -1.78 0.00	25.27 -1.67 0.00
QUEENSBRY_115KV_TB8 356137	14.41 0.55 0.00	19.82 0.68 0.00	27.30 0.89 0.00	25.03 0.84 0.00	18.28 0.59 0.00	16.66 0.55 0.00	25.41 0.96 0.00	21.85 0.98 0.00	28.00 1.29 0.00	24.87 1.19 0.00	22.20 0.97 -1.26	19.95 0.85 -1.97	19.25 0.72 -2.52	21.49 0.85 -0.83	28.65 1.29 0.00	29.20 1.38 0.00	35.77 1.83 0.00	39.15 2.16 0.00	38.46 2.06 0.00	36.10 1.89 0.00	32.75 1.67 0.00	24.85 1.18 0.00	27.77 1.22 0.00	28.09 1.15 0.00
RAMAPO___LBMP 323565	14.38 0.52 0.00	19.84 0.70 0.00	27.41 1.00 0.00	25.13 0.93 0.00	18.38 0.68 0.00	16.70 0.59 0.00	25.38 0.94 0.00	21.73 0.86 0.00	27.77 1.06 0.00	24.63 0.94 0.00	10.94 0.87 9.90	2.36 0.73 15.50	-3.08 0.72 19.82	14.18 0.94 6.56	28.69 1.33 0.00	29.22 1.40 0.00	35.70 1.76 0.00	39.03 2.03 0.00	38.33 1.93 0.00	36.01 1.79 0.00	32.61 1.54 0.00	24.79 1.11 0.00	27.78 1.23 0.00	28.08 1.13 0.00
RANKINE____ 23646	12.58 -1.28 0.00	17.36 -1.78 0.00	24.05 -2.35 0.00	21.87 -2.32 0.00	15.97 -1.72 0.00	14.57 -1.54 0.00	22.31 -2.13 0.00	15.05 -2.19 3.62	13.89 -2.58 10.24	19.07 -2.25 2.37	12.06 -1.92 6.00	8.24 -1.58 7.30	5.66 -1.64 8.72	8.32 -1.90 9.59	13.36 -2.56 11.43	13.06 -2.75 12.01	17.09 -3.38 13.48	18.44 -3.98 14.58	18.40 -3.90 14.10	17.15 -3.54 13.52	15.63 -3.07 12.38	20.37 -2.52 0.79	24.29 -2.26 0.00	25.02 -1.93 0.00
RAVENSWOOD_GT2_1 24244	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.32 1.15 -5.19	26.25 0.99 -8.13	27.40 0.98 -10.40	24.52 1.27 -3.44	29.08 1.73 0.00	29.60 1.78 0.00	36.12 2.18 0.00	39.50 2.51 0.00	38.79 2.39 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.09 1.42 0.00	28.10 1.54 0.00	28.39 1.45 0.00



RAVENSWOOD_GT2_2 24245	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.32 1.15 -5.19	26.25 0.99 -8.13	27.40 0.98 -10.40	24.52 1.27 -3.44	29.08 1.73 0.00	29.60 1.78 0.00	36.12 2.18 0.00	39.50 2.51 0.00	38.79 2.39 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.09 1.42 0.00	28.10 1.54 0.00	28.39 1.45 0.00
RAVENSWOOD_GT2_3 24246	14.54 0.68 0.00	20.04 0.89 0.00	27.64 1.24 0.00	25.35 1.15 0.00	18.55 0.86 0.00	16.86 0.75 0.00	25.59 1.15 0.00	21.95 1.09 0.00	28.07 1.36 0.00	24.92 1.23 0.00	26.33 1.16 -5.19	26.26 1.00 -8.13	27.41 0.99 -10.40	24.53 1.28 -3.44	29.09 1.74 0.00	29.62 1.80 0.00	36.15 2.20 0.00	39.52 2.52 0.00	38.81 2.41 0.00	36.43 2.21 0.00	33.00 1.92 0.00	25.10 1.43 0.00	28.11 1.55 0.00	28.41 1.46 0.00
RAVENSWOOD_GT2_4 24247	14.54 0.68 0.00	20.04 0.89 0.00	27.64 1.24 0.00	25.35 1.15 0.00	18.55 0.86 0.00	16.86 0.75 0.00	25.59 1.15 0.00	21.95 1.09 0.00	28.07 1.36 0.00	24.92 1.23 0.00	26.33 1.16 -5.19	26.26 1.00 -8.13	27.41 0.99 -10.40	24.53 1.28 -3.44	29.09 1.74 0.00	29.62 1.80 0.00	36.15 2.20 0.00	39.52 2.52 0.00	38.81 2.41 0.00	36.43 2.21 0.00	33.00 1.92 0.00	25.10 1.43 0.00	28.11 1.55 0.00	28.41 1.46 0.00
RAVENSWOOD_GT3_1 24248	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.36 0.00	24.91 1.22 0.00	26.32 1.15 -5.19	26.25 0.99 -8.13	27.40 0.98 -10.40	24.52 1.27 -3.44	29.08 1.73 0.00	29.60 1.78 0.00	36.13 2.19 0.00	39.50 2.51 0.00	38.79 2.39 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.09 1.42 0.00	28.10 1.54 0.00	28.39 1.45 0.00
RAVENSWOOD_GT3_2 24249	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.36 0.00	24.91 1.22 0.00	26.32 1.15 -5.19	26.25 0.99 -8.13	27.40 0.98 -10.40	24.52 1.27 -3.44	29.08 1.73 0.00	29.60 1.78 0.00	36.13 2.19 0.00	39.50 2.51 0.00	38.79 2.39 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.09 1.42 0.00	28.10 1.54 0.00	28.39 1.45 0.00
RAVENSWOOD_GT3_3 24250	14.55 0.70 0.00	20.06 0.92 0.00	27.67 1.27 0.00	25.37 1.18 0.00	18.56 0.87 0.00	16.88 0.76 0.00	25.61 1.17 0.00	21.97 1.11 0.00	28.10 1.39 0.00	24.94 1.25 0.00	26.35 1.18 -5.19	26.28 1.02 -8.13	27.43 1.01 -10.40	24.55 1.31 -3.44	29.13 1.77 0.00	29.65 1.83 0.00	36.18 2.24 0.00	39.56 2.57 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.03 1.95 0.00	25.13 1.45 0.00	28.14 1.58 0.00	28.43 1.49 0.00
RAVENSWOOD_GT3_4 24251	14.55 0.70 0.00	20.06 0.92 0.00	27.67 1.27 0.00	25.37 1.18 0.00	18.56 0.87 0.00	16.88 0.76 0.00	25.61 1.17 0.00	21.97 1.11 0.00	28.10 1.39 0.00	24.94 1.25 0.00	26.35 1.18 -5.19	26.28 1.02 -8.13	27.43 1.01 -10.40	24.55 1.31 -3.44	29.13 1.77 0.00	29.65 1.83 0.00	36.18 2.24 0.00	39.56 2.57 0.00	38.85 2.45 0.00	36.47 2.25 0.00	33.03 1.95 0.00	25.13 1.45 0.00	28.14 1.58 0.00	28.43 1.49 0.00
RAVENSWOOD_GT_1 23729	21.24 0.74 -6.64	25.48 0.97 -5.38	31.44 1.35 -3.69	29.62 1.24 -4.18	24.24 0.92 -5.63	22.95 0.81 -6.03	29.93 1.22 -4.26	27.09 1.17 -5.06	32.02 1.46 -3.85	29.51 1.32 -4.50	30.80 1.26 -9.57	30.62 1.08 -12.41	31.46 1.07 -14.37	29.19 1.38 -8.01	32.96 1.86 -3.75	36.81 1.92 -7.07	38.55 2.32 -2.29	50.32 2.65 -10.68	60.61 2.52 -21.69	46.75 2.32 -10.21	37.64 2.03 -4.53	33.95 1.53 -8.75	32.24 1.66 -4.02	32.40 1.57 -3.89
RAVENSWOOD_GT_10 24258	15.30 0.68 -0.77	20.65 0.88 -0.62	28.06 1.23 -0.43	25.82 1.15 -0.48	19.19 0.85 -0.65	17.55 0.74 -0.70	26.07 1.13 -0.49	22.53 1.08 -0.59	28.50 1.35 -0.44	25.42 1.22 -0.52	26.82 1.15 -5.70	26.74 0.99 -8.63	27.86 0.98 -10.86	25.05 1.27 -3.97	29.51 1.73 -0.43	30.41 1.78 -0.82	36.38 2.18 -0.26	40.73 2.50 -1.23	41.29 2.38 -2.50	37.59 2.19 -1.18	33.50 1.90 -0.52	26.10 1.41 -1.01	28.56 1.54 -0.47	28.84 1.45 -0.45
RAVENSWOOD_GT_11 24259	15.30 0.68 -0.77	20.65 0.88 -0.62	28.06 1.23 -0.43	25.82 1.15 -0.48	19.19 0.85 -0.65	17.55 0.74 -0.70	26.07 1.13 -0.49	22.53 1.08 -0.59	28.50 1.35 -0.44	25.42 1.22 -0.52	26.82 1.15 -5.70	26.74 0.99 -8.63	27.86 0.98 -10.86	25.05 1.27 -3.97	29.51 1.73 -0.43	30.41 1.78 -0.82	36.38 2.18 -0.26	40.73 2.50 -1.23	41.29 2.38 -2.50	37.59 2.19 -1.18	33.50 1.90 -0.52	26.10 1.41 -1.01	28.56 1.54 -0.47	28.84 1.45 -0.45
RAVENSWOOD_GT_4 24252	19.58 0.67 -5.05	24.11 0.88 -4.09	30.43 1.22 -2.81	28.51 1.13 -3.18	22.82 0.84 -4.29	21.44 0.74 -4.59	28.81 1.12 -3.25	25.79 1.07 -3.85	30.97 1.33 -2.93	28.32 1.21 -3.43	29.63 1.14 -8.52	29.50 0.98 -11.39	30.41 0.97 -13.42	27.98 1.26 -6.92	31.92 1.71 -2.86	34.97 1.77 -5.38	37.86 2.17 -1.75	47.61 2.49 -8.13	55.29 2.37 -16.51	44.17 2.18 -7.77	36.41 1.88 -3.45	31.73 1.40 -6.66	31.15 1.53 -3.06	31.34 1.43 -2.96
RAVENSWOOD_GT_5 24254	19.58 0.67 -5.05	24.11 0.88 -4.09	30.43 1.22 -2.81	28.51 1.13 -3.18	22.82 0.84 -4.29	21.44 0.74 -4.59	28.81 1.12 -3.25	25.79 1.07 -3.85	30.97 1.33 -2.93	28.32 1.21 -3.43	29.63 1.14 -8.52	29.50 0.98 -11.39	30.41 0.97 -13.42	27.98 1.26 -6.92	31.92 1.71 -2.86	34.97 1.77 -5.38	37.86 2.17 -1.75	47.61 2.49 -8.13	55.29 2.37 -16.51	44.17 2.18 -7.77	36.41 1.88 -3.45	31.73 1.40 -6.66	31.15 1.53 -3.06	31.34 1.43 -2.96
RAVENSWOOD_GT_6 24253	19.58 0.67 -5.05	24.11 0.88 -4.09	30.43 1.22 -2.81	28.51 1.13 -3.18	22.82 0.84 -4.29	21.44 0.74 -4.59	28.81 1.12 -3.25	25.79 1.07 -3.85	30.97 1.33 -2.93	28.32 1.21 -3.43	29.63 1.14 -8.52	29.50 0.98 -11.39	30.41 0.97 -13.42	27.98 1.26 -6.92	31.92 1.71 -2.86	34.97 1.77 -5.38	37.86 2.17 -1.75	47.61 2.49 -8.13	55.29 2.37 -16.51	44.17 2.18 -7.77	36.41 1.88 -3.45	31.73 1.40 -6.66	31.15 1.53 -3.06	31.34 1.43 -2.96
RAVENSWOOD_GT_7 24255	19.58 0.67 -5.05	24.11 0.88 -4.09	30.43 1.22 -2.81	28.51 1.13 -3.18	22.82 0.84 -4.29	21.44 0.74 -4.59	28.81 1.12 -3.25	25.79 1.07 -3.85	30.97 1.33 -2.93	28.32 1.21 -3.43	29.63 1.14 -8.52	29.50 0.98 -11.39	30.41 0.97 -13.42	27.98 1.26 -6.92	31.92 1.71 -2.86	34.97 1.77 -5.38	37.86 2.17 -1.75	47.61 2.49 -8.13	55.29 2.37 -16.51	44.17 2.18 -7.77	36.41 1.88 -3.45	31.73 1.40 -6.66	31.15 1.53 -3.06	31.34 1.43 -2.96
RAVENSWOOD_GT_8 TEMP GRP(8-11) 24256	15.30 0.68 -0.77	20.65 0.88 -0.62	28.06 1.23 -0.43	25.82 1.15 -0.48	19.19 0.85 -0.65	17.55 0.74 -0.70	26.07 1.13 -0.49	22.53 1.08 -0.59	28.50 1.35 -0.44	25.42 1.22 -0.52	26.82 1.15 -5.70	26.74 0.99 -8.63	27.86 0.98 -10.86	25.05 1.27 -3.97	29.51 1.73 -0.43	30.41 1.78 -0.82	36.38 2.18 -0.26	40.73 2.50 -1.23	41.29 2.38 -2.50	37.59 2.19 -1.18	33.50 1.90 -0.52	26.10 1.41 -1.01	28.56 1.54 -0.47	28.84 1.45 -0.45



RAVENSWOOD_GT_9 24257	15.30 0.68 -0.77	20.65 0.88 -0.62	28.06 1.23 -0.43	25.82 1.15 -0.48	19.19 0.85 -0.65	17.55 0.74 -0.70	26.07 1.13 -0.49	22.53 1.08 -0.59	28.50 1.35 -0.44	25.42 1.22 -0.52	26.82 1.15 -5.70	26.74 0.99 -8.63	27.86 0.98 -10.86	25.05 1.27 -3.97	29.51 1.73 -0.43	30.41 1.78 -0.82	36.38 2.18 -0.26	40.73 2.50 -1.23	41.29 2.38 -2.50	37.59 2.19 -1.18	33.50 1.90 -0.52	26.10 1.41 -1.01	28.56 1.54 -0.47	28.84 1.45 -0.45
RAVENSWOOD___1 23533	8.05 0.72 6.54	14.80 0.95 5.29	24.09 1.32 3.64	21.28 1.21 4.12	13.04 0.90 5.55	10.95 0.79 5.94	21.43 1.19 4.20	17.02 1.14 4.99	24.34 1.42 3.79	20.53 1.28 4.43	22.09 1.23 -0.89	22.10 1.06 -3.92	23.56 1.04 -6.50	20.10 1.35 1.05	25.46 1.80 3.70	22.72 1.86 6.96	33.96 2.27 2.25	29.07 2.59 10.51	17.52 2.48 21.36	26.44 2.28 10.06	28.61 1.99 4.46	16.55 1.49 8.61	24.22 1.63 3.96	24.65 1.53 3.83
RAVENSWOOD___2 23534	8.05 0.72 6.54	14.80 0.95 5.29	24.09 1.32 3.64	21.28 1.21 4.12	13.04 0.90 5.55	10.95 0.79 5.94	21.43 1.19 4.20	17.02 1.14 4.99	24.34 1.42 3.79	20.53 1.28 4.43	22.09 1.23 -0.89	22.10 1.06 -3.92	23.56 1.04 -6.50	20.10 1.35 1.05	25.46 1.80 3.70	22.72 1.86 6.96	33.96 2.27 2.25	29.07 2.59 10.51	17.52 2.48 21.36	26.44 2.28 10.06	28.61 1.99 4.46	16.55 1.49 8.61	24.22 1.63 3.96	24.65 1.53 3.83
RAVENSWOOD___3 23535	14.53 0.68 0.00	20.03 0.88 0.00	27.64 1.24 0.00	25.34 1.15 0.00	18.54 0.85 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.32 1.15 -5.19	26.25 0.99 -8.13	27.40 0.98 -10.40	24.52 1.27 -3.44	29.07 1.72 0.00	29.59 1.78 0.00	36.12 2.18 0.00	39.49 2.50 0.00	38.79 2.39 0.00	36.41 2.19 0.00	32.98 1.90 0.00	25.09 1.41 0.00	28.10 1.54 0.00	28.39 1.45 0.00
RAVENSWOOD___4 23820	8.05 0.72 6.54	14.80 0.95 5.29	24.09 1.32 3.64	21.28 1.21 4.12	13.04 0.90 5.55	10.95 0.79 5.94	21.43 1.19 4.20	17.02 1.14 4.99	24.34 1.42 3.79	20.53 1.28 4.43	22.09 1.23 -0.89	22.10 1.06 -3.92	23.56 1.04 -6.50	20.10 1.35 1.05	25.46 1.80 3.70	22.72 1.86 6.96	33.96 2.27 2.25	29.07 2.59 10.51	17.52 2.48 21.36	26.44 2.28 10.06	28.61 1.99 4.46	16.55 1.49 8.61	24.22 1.63 3.96	24.65 1.53 3.83
RCPI_TRUST___DRP 24196	14.52 0.67 0.00	20.01 0.87 0.00	27.62 1.21 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.85 0.74 0.00	25.57 1.12 0.00	21.94 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.33 1.15 -5.21	26.27 0.99 -8.16	27.43 0.98 -10.43	24.52 1.26 -3.45	29.08 1.73 0.00	29.60 1.79 0.00	36.13 2.19 0.00	39.50 2.50 0.00	38.79 2.39 0.00	36.40 2.18 0.00	32.98 1.90 0.00	25.07 1.39 0.00	28.08 1.52 0.00	28.37 1.42 0.00
RED___ROCHESTER 323720	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.38 0.00	16.67 -1.02 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.61 -1.25 0.00	25.25 -1.46 0.00	22.43 -1.25 0.00	18.92 -1.05 0.00	16.29 -0.84 0.00	15.13 -0.89 0.00	18.79 -1.02 0.00	26.01 -1.34 0.00	26.36 -1.46 0.00	32.18 -1.76 0.00	34.90 -2.09 0.00	34.32 -2.08 0.00	32.34 -1.88 0.00	29.42 -1.66 0.00	22.30 -1.37 0.00	25.28 -1.28 0.00	25.80 -1.15 0.00
REGAN___SOLAR 323812	14.55 0.69 0.00	20.10 0.96 0.00	27.72 1.32 0.00	25.39 1.19 0.00	18.55 0.87 0.00	16.96 0.84 0.00	25.81 1.37 0.00	22.09 1.23 0.00	28.18 1.48 0.00	24.72 1.04 0.00	21.95 0.98 -0.99	19.44 0.76 -1.55	18.54 0.53 -1.98	20.98 0.52 -0.66	28.28 0.93 0.00	29.26 1.44 0.00	36.09 2.15 0.00	39.39 2.39 0.00	38.71 2.31 0.00	36.36 2.14 0.00	32.98 1.90 0.00	25.03 1.36 0.00	28.01 1.45 0.00	28.36 1.41 0.00
RENSSELAER___COGEN 23796	14.29 0.43 0.00	19.72 0.58 0.00	27.18 0.78 0.00	24.92 0.73 0.00	18.20 0.51 0.00	16.58 0.47 0.00	25.17 0.73 0.00	21.59 0.72 0.00	27.62 0.91 0.00	24.46 0.78 0.00	21.93 0.60 -1.35	19.74 0.50 -2.11	19.18 0.46 -2.70	21.30 0.60 -0.89	28.18 0.83 0.00	28.73 0.92 0.00	35.01 1.07 0.00	38.20 1.20 0.00	37.57 1.17 0.00	35.31 1.09 0.00	32.08 1.00 0.00	24.44 0.77 0.00	27.42 0.87 0.00	27.85 0.90 0.00
REPUBLIC_115KV_BARTNBRK 55605	14.79 0.94 0.00	20.26 1.12 0.00	27.88 1.48 0.00	25.61 1.41 0.00	18.64 0.95 0.00	16.97 0.86 0.00	25.96 1.52 0.00	22.44 1.58 0.00	28.91 2.20 0.00	25.84 2.15 0.00	22.91 1.67 -1.26	20.70 1.60 -1.98	19.75 1.21 -2.53	22.02 1.38 -0.84	29.45 2.10 0.00	30.07 2.25 0.00	36.84 2.90 0.00	40.43 3.43 0.00	39.69 3.29 0.00	37.28 3.06 0.00	33.77 2.69 0.00	25.59 1.92 0.00	28.52 1.96 0.00	28.78 1.84 0.00
REVERE_CPPR_DRP 24186	14.04 0.18 0.00	19.42 0.28 0.00	26.76 0.36 0.00	24.53 0.33 0.00	17.94 0.25 0.00	16.40 0.29 0.00	25.00 0.55 0.00	21.43 0.56 0.00	27.52 0.82 0.00	24.27 0.58 0.00	20.46 0.49 0.00	17.58 0.46 0.00	16.41 0.39 0.00	20.29 0.49 0.00	28.15 0.80 0.00	28.64 0.82 0.00	34.97 1.03 0.00	38.02 1.03 0.00	37.37 0.97 0.00	35.09 0.87 0.00	31.82 0.74 0.00	24.16 0.49 0.00	27.05 0.49 0.00	27.38 0.43 0.00
REYNOLDS_115KV_TB3 80639	14.34 0.48 0.00	19.78 0.64 0.00	27.27 0.87 0.00	24.99 0.80 0.00	18.26 0.58 0.00	16.62 0.52 0.00	25.24 0.80 0.00	21.65 0.79 0.00	27.72 1.00 0.00	24.57 0.88 0.00	22.09 0.72 -1.40	19.93 0.61 -2.19	19.38 0.55 -2.80	21.44 0.71 -0.93	28.34 0.99 0.00	28.89 1.07 0.00	35.20 1.26 0.00	38.40 1.41 0.00	37.76 1.36 0.00	35.48 1.26 0.00	32.25 1.17 0.00	24.57 0.90 0.00	27.56 1.00 0.00	27.93 0.99 0.00
RIVERBAY____ 323610	14.58 0.72 0.00	20.06 0.92 0.00	27.65 1.25 0.00	25.35 1.16 0.00	18.55 0.87 0.00	16.86 0.75 0.00	25.61 1.17 0.00	21.99 1.12 0.00	28.09 1.38 0.00	24.91 1.22 0.00	26.34 1.17 -5.20	26.26 1.00 -8.14	27.42 1.00 -10.40	24.51 1.26 -3.44	29.02 1.67 0.00	29.57 1.75 0.00	36.11 2.17 0.00	39.56 2.56 0.00	38.80 2.40 0.00	36.41 2.19 0.00	33.00 1.92 0.00	25.08 1.40 0.00	28.09 1.53 0.00	28.39 1.45 0.00
RIVERSDE_115KV_TB3 55908	14.32 0.47 0.00	19.77 0.63 0.00	27.26 0.86 0.00	24.98 0.79 0.00	18.24 0.56 0.00	16.62 0.51 0.00	25.23 0.79 0.00	21.65 0.78 0.00	27.70 0.99 0.00	24.54 0.85 0.00	22.03 0.68 -1.37	19.84 0.58 -2.15	19.29 0.53 -2.75	21.39 0.68 -0.91	28.30 0.95 0.00	28.85 1.04 0.00	35.15 1.21 0.00	38.35 1.35 0.00	37.71 1.31 0.00	35.44 1.22 0.00	32.19 1.11 0.00	24.53 0.86 0.00	27.51 0.96 0.00	27.91 0.97 0.00
ROARING___BROOK_WT_PWR 323790	13.56 -0.29 0.00	18.74 -0.40 0.00	25.86 -0.54 0.00	23.76 -0.43 0.00	17.40 -0.29 0.00	15.88 -0.23 0.00	23.98 -0.46 0.00	20.50 -0.37 0.00	26.36 -0.35 0.00	23.35 -0.34 0.00	19.62 -0.35 0.00	16.82 -0.31 0.00	15.74 -0.28 0.00	19.40 -0.41 0.00	26.84 -0.51 0.00	27.31 -0.51 0.00	33.22 -0.73 0.00	36.20 -0.80 0.00	35.65 -0.75 0.00	33.55 -0.67 0.00	30.49 -0.58 0.00	23.22 -0.45 0.00	26.03 -0.53 0.00	26.44 -0.50 0.00



ROCHESRG_115KV_T4 355643	12.98 -0.87 0.00	17.91 -1.23 0.00	24.77 -1.63 0.00	22.60 -1.60 0.00	16.51 -1.17 0.00	15.07 -1.04 0.00	22.97 -1.47 0.00	19.39 -1.47 0.00	24.93 -1.78 0.00	22.16 -1.53 0.00	18.68 -1.29 0.00	16.06 -1.07 0.00	14.92 -1.10 0.00	18.53 -1.27 0.00	25.62 -1.73 0.00	25.97 -1.85 0.00	31.70 -2.24 0.00	34.36 -2.63 0.00	33.79 -2.61 0.00	31.84 -2.37 0.00	28.98 -2.10 0.00	22.01 -1.66 0.00	24.97 -1.59 0.00	25.51 -1.44 0.00
ROCHESTER_9_IC 23652	13.05 -0.80 0.00	18.00 -1.14 0.00	24.90 -1.51 0.00	22.70 -1.49 0.00	16.60 -1.09 0.00	15.15 -0.97 0.00	23.09 -1.35 0.00	19.50 -1.36 0.00	25.09 -1.62 0.00	22.30 -1.39 0.00	18.81 -1.17 0.00	16.17 -0.95 0.00	15.02 -1.00 0.00	18.66 -1.15 0.00	25.80 -1.56 0.00	26.14 -1.68 0.00	31.92 -2.02 0.00	34.62 -2.38 0.00	34.04 -2.36 0.00	32.06 -2.16 0.00	29.18 -1.90 0.00	22.15 -1.52 0.00	25.13 -1.43 0.00	25.65 -1.29 0.00
ROCKVIEW_13_KV_LD 356306	14.57 0.72 0.00	20.08 0.94 0.00	27.70 1.30 0.00	25.40 1.20 0.00	18.58 0.89 0.00	16.90 0.79 0.00	25.65 1.21 0.00	22.01 1.15 0.00	28.13 1.43 0.00	24.96 1.27 0.00	26.36 1.18 -5.20	26.29 1.02 -8.14	27.42 0.99 -10.41	24.53 1.28 -3.45	29.12 1.77 0.00	29.65 1.83 0.00	36.20 2.26 0.00	39.59 2.60 0.00	38.89 2.48 0.00	36.51 2.29 0.00	33.08 2.00 0.00	25.15 1.47 0.00	28.17 1.61 0.00	28.46 1.52 0.00
ROME____115KV_TB2 80656	14.04 0.18 0.00	19.42 0.28 0.00	26.76 0.36 0.00	24.53 0.33 0.00	17.94 0.25 0.00	16.40 0.29 0.00	25.00 0.55 0.00	21.43 0.56 0.00	27.52 0.82 0.00	24.27 0.58 0.00	20.46 0.49 0.00	17.58 0.46 0.00	16.41 0.39 0.00	20.29 0.49 0.00	28.15 0.80 0.00	28.64 0.82 0.00	34.97 1.03 0.00	38.02 1.03 0.00	37.37 0.97 0.00	35.09 0.87 0.00	31.82 0.74 0.00	24.16 0.49 0.00	27.05 0.49 0.00	27.38 0.43 0.00
ROSETON___1 23587	14.42 0.56 0.00	19.89 0.74 0.00	27.43 1.03 0.00	25.16 0.96 0.00	18.40 0.71 0.00	16.74 0.63 0.00	25.39 0.95 0.00	21.60 0.73 0.00	27.60 0.89 0.00	24.47 0.79 0.00	12.79 0.73 7.91	5.36 0.61 12.38	0.79 0.60 15.84	15.36 0.79 5.24	28.48 1.13 0.00	29.01 1.18 0.00	35.43 1.49 0.00	38.73 1.73 0.00	38.05 1.65 0.00	35.73 1.51 0.00	32.38 1.30 0.00	24.62 0.94 0.00	27.60 1.04 0.00	27.89 0.95 0.00
ROSETON___2 23588	14.42 0.56 0.00	19.89 0.74 0.00	27.43 1.03 0.00	25.16 0.96 0.00	18.40 0.71 0.00	16.74 0.63 0.00	25.39 0.95 0.00	21.60 0.73 0.00	27.60 0.89 0.00	24.47 0.79 0.00	12.79 0.73 7.91	5.36 0.61 12.38	0.79 0.60 15.84	15.36 0.79 5.24	28.48 1.13 0.00	29.01 1.18 0.00	35.43 1.49 0.00	38.73 1.73 0.00	38.05 1.65 0.00	35.73 1.51 0.00	32.38 1.30 0.00	24.62 0.94 0.00	27.60 1.04 0.00	27.89 0.95 0.00
ROTRRDAM_115KV_TB3 80664	14.21 0.36 0.00	19.62 0.48 0.00	27.06 0.66 0.00	24.80 0.61 0.00	18.11 0.42 0.00	16.50 0.39 0.00	25.06 0.62 0.00	21.46 0.59 0.00	27.46 0.75 0.00	24.33 0.65 0.00	21.72 0.56 -1.19	19.46 0.47 -1.86	18.82 0.43 -2.38	21.10 0.52 -0.79	28.11 0.76 0.00	28.66 0.85 0.00	35.02 1.08 0.00	38.21 1.22 0.00	37.58 1.18 0.00	35.31 1.09 0.00	32.04 0.96 0.00	24.39 0.72 0.00	27.33 0.78 0.00	27.69 0.74 0.00
RUSSELL___1 23602	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
RUSSELL___2 23532	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
RUSSELL___3 23549	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
RUSSELL___4 23556	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
RUSSELL___STATION 23914	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
S SALMON___HYD 24043	13.31 -0.54 0.00	18.39 -0.75 0.00	25.32 -1.08 0.00	23.23 -0.97 0.00	16.97 -0.72 0.00	15.48 -0.63 0.00	23.49 -0.96 0.00	20.13 -0.74 0.00	25.90 -0.81 0.00	22.81 -0.87 0.00	19.26 -0.71 0.00	16.59 -0.54 0.00	15.45 -0.57 0.00	19.09 -0.71 0.00	26.41 -0.95 0.00	26.88 -0.93 0.00	32.86 -1.08 0.00	35.55 -1.44 0.00	34.99 -1.41 0.00	32.88 -1.34 0.00	29.84 -1.24 0.00	22.77 -0.91 0.00	25.53 -1.02 0.00	25.88 -1.07 0.00
S.PERRY__115KV_TB1 80734	13.12 -0.74 0.00	18.14 -1.01 0.00	25.09 -1.31 0.00	22.90 -1.30 0.00	16.75 -0.94 0.00	15.29 -0.82 0.00	23.43 -1.01 0.00	32.17 -1.06 -12.36	60.68 -1.23 -35.20	30.75 -1.07 -8.13	39.70 -1.00 -20.73	41.56 -0.75 -25.18	45.10 -0.83 -29.91	51.77 -0.93 -32.89	65.39 -1.17 -39.20	67.81 -1.19 -41.19	78.83 -1.35 -46.24	85.58 -1.42 -50.00	83.28 -1.47 -48.35	79.16 -1.43 -46.38	72.24 -1.30 -42.46	25.21 -1.17 -2.71	25.53 -1.03 0.00	26.11 -0.83 0.00
SAWYER_23_KV_LOAD_REV_LBMP_A 345024	12.47 -1.38 0.00	17.21 -1.94 0.00	23.84 -2.56 0.00	21.68 -2.51 0.00	15.83 -1.86 0.00	14.44 -1.67 0.00	22.09 -2.36 0.00	15.00 -2.40 3.47	14.00 -2.86 9.85	18.92 -2.50 2.27	12.07 -2.12 5.79	8.32 -1.77 7.03	5.83 -1.83 8.36	8.48 -2.14 9.19	13.50 -2.90 10.95	13.22 -3.10 11.50	17.23 -3.79 12.91	18.58 -4.45 13.97	18.52 -4.37 13.51	17.31 -3.96 12.95	15.79 -3.43 11.86	20.15 -2.77 0.76	24.02 -2.53 0.00	24.72 -2.22 0.00



SAWYER___23_KV_LOAD 55526	12.47 -1.38 0.00	17.21 -1.94 0.00	23.84 -2.56 0.00	21.68 -2.51 0.00	15.83 -1.86 0.00	14.44 -1.67 0.00	22.09 -2.36 0.00	15.00 -2.40 3.47	14.00 -2.86 9.85	18.92 -2.50 2.27	12.07 -2.12 5.79	8.32 -1.77 7.03	5.83 -1.83 8.36	8.48 -2.14 9.19	13.50 -2.90 10.95	13.22 -3.10 11.50	17.23 -3.79 12.91	18.58 -4.45 13.97	18.52 -4.37 13.51	17.31 -3.96 12.95	15.79 -3.43 11.86	20.15 -2.77 0.76	24.02 -2.53 0.00	24.72 -2.22 0.00
SELKIRK___I 23801	14.30 0.44 0.00	19.75 0.61 0.00	27.24 0.83 0.00	24.97 0.78 0.00	18.24 0.55 0.00	16.61 0.50 0.00	25.21 0.77 0.00	21.60 0.73 0.00	27.63 0.93 0.00	24.46 0.78 0.00	21.74 0.61 -1.16	19.44 0.50 -1.81	18.79 0.45 -2.32	21.17 0.61 -0.77	28.20 0.85 0.00	28.79 0.97 0.00	35.14 1.20 0.00	38.33 1.33 0.00	37.69 1.29 0.00	35.42 1.20 0.00	32.17 1.10 0.00	24.51 0.84 0.00	27.49 0.93 0.00	27.91 0.96 0.00
SELKIRK___II 23799	14.25 0.40 0.00	19.68 0.53 0.00	27.13 0.73 0.00	24.87 0.68 0.00	18.16 0.48 0.00	16.54 0.43 0.00	25.11 0.66 0.00	21.52 0.66 0.00	27.54 0.83 0.00	24.39 0.71 0.00	21.83 0.56 -1.30	19.63 0.48 -2.03	19.05 0.44 -2.59	21.23 0.57 -0.86	28.16 0.80 0.00	28.69 0.87 0.00	34.99 1.05 0.00	38.17 1.18 0.00	37.55 1.15 0.00	35.28 1.06 0.00	32.04 0.96 0.00	24.42 0.74 0.00	27.38 0.82 0.00	27.78 0.83 0.00
SENECA OSWGO___HYD 24041	13.40 -0.45 0.00	18.51 -0.63 0.00	25.54 -0.86 0.00	23.39 -0.81 0.00	17.09 -0.60 0.00	15.57 -0.54 0.00	23.63 -0.81 0.00	20.12 -0.74 0.00	25.81 -0.90 0.00	22.87 -0.82 0.00	19.31 -0.66 0.00	16.59 -0.53 0.00	15.50 -0.52 0.00	19.19 -0.62 0.00	26.46 -0.89 0.00	26.89 -0.93 0.00	32.84 -1.10 0.00	35.77 -1.22 0.00	35.16 -1.24 0.00	33.05 -1.17 0.00	30.01 -1.07 0.00	22.88 -0.80 0.00	25.68 -0.88 0.00	26.08 -0.87 0.00
SENECA___115KV_TB3 355854	12.59 -1.26 0.00	17.39 -1.75 0.00	24.09 -2.32 0.00	21.92 -2.28 0.00	15.99 -1.69 0.00	14.60 -1.51 0.00	22.34 -2.10 0.00	15.09 -2.15 3.62	13.94 -2.53 10.24	19.11 -2.21 2.37	12.09 -1.88 6.00	8.27 -1.55 7.30	5.69 -1.61 8.72	8.36 -1.85 9.59	13.41 -2.51 11.43	13.11 -2.70 12.01	17.15 -3.31 13.48	18.51 -3.91 14.58	18.46 -3.84 14.10	17.21 -3.49 13.52	15.68 -3.02 12.38	20.41 -2.48 0.79	24.34 -2.22 0.00	25.06 -1.89 0.00
SENECA___ENERGY 23797	13.34 -0.51 0.00	18.43 -0.71 0.00	25.46 -0.94 0.00	23.28 -0.91 0.00	17.03 -0.65 0.00	15.53 -0.58 0.00	23.62 -0.82 0.00	20.91 -0.80 -0.84	28.15 -0.96 -2.40	23.38 -0.86 -0.55	20.67 -0.71 -1.41	18.31 -0.53 -1.72	17.54 -0.52 -2.04	21.44 -0.60 -2.24	29.19 -0.83 -2.67	29.72 -0.90 -2.80	36.00 -1.09 -3.15	39.11 -1.29 -3.40	38.43 -1.27 -3.29	36.16 -1.21 -3.16	32.92 -1.05 -2.89	22.98 -0.88 -0.18	25.69 -0.86 0.00	26.14 -0.80 0.00
SHOEMAKER___GT 23640	14.33 0.47 0.00	19.77 0.63 0.00	27.28 0.88 0.00	25.00 0.81 0.00	18.29 0.60 0.00	16.64 0.53 0.00	25.27 0.83 0.00	21.58 0.72 0.00	27.58 0.87 0.00	24.43 0.74 0.00	12.61 0.67 8.03	5.11 0.56 12.57	0.49 0.55 16.07	15.23 0.75 5.32	28.42 1.07 0.00	28.97 1.15 0.00	35.40 1.46 0.00	38.68 1.69 0.00	38.01 1.61 0.00	35.69 1.47 0.00	32.35 1.27 0.00	24.60 0.92 0.00	27.57 1.01 0.00	27.88 0.93 0.00
SHOEMAKR_138KV_BK 111 55601	14.32 0.47 0.00	19.76 0.62 0.00	27.27 0.87 0.00	24.99 0.80 0.00	18.29 0.60 0.00	16.63 0.52 0.00	25.26 0.82 0.00	21.57 0.71 0.00	27.57 0.86 0.00	24.43 0.74 0.00	12.76 0.67 7.88	5.35 0.57 12.34	0.80 0.56 15.78	15.33 0.75 5.22	28.43 1.07 0.00	28.96 1.15 0.00	35.39 1.44 0.00	38.66 1.67 0.00	38.00 1.60 0.00	35.68 1.46 0.00	32.34 1.26 0.00	24.60 0.92 0.00	27.56 1.00 0.00	27.87 0.92 0.00
SHOREHAM_IC_1 23715	14.99 1.14 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.15 0.00	25.60 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.24 -10.37	24.79 1.55 -3.43	29.55 2.20 0.00	30.23 2.41 0.00	37.14 3.20 0.00	40.82 3.82 0.00	40.15 3.75 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.87 2.19 0.00	28.93 2.38 0.00	29.12 2.17 0.00
SHOREHAM_IC_2 23716	14.99 1.14 0.00	20.42 1.28 0.00	28.16 1.76 0.00	25.96 1.77 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.15 0.00	25.60 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.24 -10.37	24.79 1.55 -3.43	29.55 2.20 0.00	30.23 2.41 0.00	37.14 3.20 0.00	40.82 3.82 0.00	40.15 3.75 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.87 2.19 0.00	28.93 2.38 0.00	29.12 2.17 0.00
SISSONVILLE____ 23735	13.66 -0.19 0.00	18.95 -0.20 0.00	26.08 -0.32 0.00	23.96 -0.23 0.00	17.56 -0.13 0.00	15.94 -0.17 0.00	24.08 -0.36 0.00	20.62 -0.24 0.00	26.37 -0.34 0.00	23.37 -0.32 0.00	19.61 -0.36 0.00	16.75 -0.37 0.00	15.73 -0.29 0.00	19.35 -0.45 0.00	26.83 -0.52 0.00	27.28 -0.54 0.00	33.30 -0.64 0.00	36.06 -0.94 0.00	35.74 -0.66 0.00	33.64 -0.58 0.00	30.56 -0.52 0.00	23.22 -0.45 0.00	26.11 -0.45 0.00	26.66 -0.29 0.00
SITHE_IND_GS1 24169	13.34 -0.51 0.00	18.44 -0.70 0.00	25.45 -0.95 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.51 -0.60 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.62 -1.09 0.00	22.72 -0.97 0.00	19.18 -0.80 0.00	16.46 -0.66 0.00	15.38 -0.64 0.00	19.02 -0.79 0.00	26.20 -1.15 0.00	26.62 -1.20 0.00	32.48 -1.46 0.00	35.37 -1.62 0.00	34.79 -1.61 0.00	32.72 -1.50 0.00	29.73 -1.35 0.00	22.70 -0.97 0.00	25.49 -1.07 0.00	25.90 -1.05 0.00
SITHE_IND_GS2 24170	13.34 -0.51 0.00	18.44 -0.70 0.00	25.45 -0.95 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.51 -0.60 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.62 -1.09 0.00	22.72 -0.97 0.00	19.18 -0.80 0.00	16.46 -0.66 0.00	15.38 -0.64 0.00	19.02 -0.79 0.00	26.20 -1.15 0.00	26.62 -1.20 0.00	32.48 -1.46 0.00	35.37 -1.62 0.00	34.79 -1.61 0.00	32.72 -1.50 0.00	29.73 -1.35 0.00	22.70 -0.97 0.00	25.49 -1.07 0.00	25.90 -1.05 0.00
SITHE_IND_GS3 24171	13.34 -0.51 0.00	18.44 -0.70 0.00	25.45 -0.95 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.51 -0.60 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.62 -1.09 0.00	22.72 -0.97 0.00	19.18 -0.80 0.00	16.46 -0.66 0.00	15.38 -0.64 0.00	19.02 -0.79 0.00	26.20 -1.15 0.00	26.62 -1.20 0.00	32.48 -1.46 0.00	35.37 -1.62 0.00	34.79 -1.61 0.00	32.72 -1.50 0.00	29.73 -1.35 0.00	22.70 -0.97 0.00	25.49 -1.07 0.00	25.90 -1.05 0.00
SITHE_IND_GS4 24172	13.34 -0.51 0.00	18.44 -0.70 0.00	25.45 -0.95 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.51 -0.60 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.62 -1.09 0.00	22.72 -0.97 0.00	19.18 -0.80 0.00	16.46 -0.66 0.00	15.38 -0.64 0.00	19.02 -0.79 0.00	26.20 -1.15 0.00	26.62 -1.20 0.00	32.48 -1.46 0.00	35.37 -1.62 0.00	34.79 -1.61 0.00	32.72 -1.50 0.00	29.73 -1.35 0.00	22.70 -0.97 0.00	25.49 -1.07 0.00	25.90 -1.05 0.00



SITHE____BATAVIA 24024	12.90 -0.95 0.00	17.80 -1.35 0.00	24.64 -1.76 0.00	22.43 -1.76 0.00	16.41 -1.28 0.00	15.00 -1.11 0.00	22.99 -1.46 0.00	17.54 -1.53 1.79	20.01 -1.68 5.01	21.04 -1.48 1.16	15.81 -1.25 2.92	12.56 -1.00 3.56	10.59 -1.12 4.31	13.77 -1.29 4.74	20.03 -1.67 5.66	20.07 -1.80 5.94	25.07 -2.20 6.67	27.14 -2.64 7.21	26.80 -2.63 6.97	25.18 -2.35 6.69	22.92 -2.03 6.13	21.47 -1.81 0.39	24.96 -1.60 0.00	25.56 -1.39 0.00
SITHE____INDEPEND 23800	13.34 -0.51 0.00	18.44 -0.70 0.00	25.44 -0.96 0.00	23.30 -0.90 0.00	17.03 -0.65 0.00	15.51 -0.60 0.00	23.49 -0.95 0.00	19.99 -0.88 0.00	25.62 -1.09 0.00	22.72 -0.97 0.00	19.18 -0.80 0.00	16.46 -0.67 0.00	15.38 -0.64 0.00	19.02 -0.79 0.00	26.20 -1.16 0.00	26.61 -1.21 0.00	32.48 -1.46 0.00	35.37 -1.62 0.00	34.79 -1.61 0.00	32.72 -1.50 0.00	29.72 -1.36 0.00	22.70 -0.97 0.00	25.48 -1.08 0.00	25.89 -1.05 0.00
SITHE____MASSENA 23902	13.94 0.08 0.00	19.36 0.21 0.00	26.69 0.29 0.00	24.48 0.28 0.00	17.93 0.24 0.00	16.33 0.22 0.00	24.75 0.30 0.00	21.12 0.25 0.00	26.99 0.28 0.00	23.97 0.29 0.00	20.16 0.18 0.00	17.24 0.11 0.00	16.16 0.15 0.00	19.92 0.12 0.00	27.58 0.22 0.00	28.01 0.19 0.00	34.16 0.22 0.00	37.05 0.05 0.00	36.67 0.27 0.00	34.51 0.29 0.00	31.37 0.29 0.00	23.86 0.18 0.00	26.76 0.20 0.00	27.26 0.31 0.00
SITHE____OGDNSBRG 24021	14.05 0.19 0.00	19.51 0.36 0.00	26.87 0.47 0.00	24.66 0.47 0.00	18.07 0.38 0.00	16.45 0.34 0.00	24.92 0.47 0.00	21.29 0.43 0.00	27.20 0.49 0.00	24.09 0.41 0.00	20.27 0.30 0.00	17.24 0.11 0.00	16.23 0.21 0.00	19.98 0.17 0.00	27.76 0.41 0.00	28.26 0.44 0.00	34.51 0.57 0.00	37.41 0.42 0.00	37.05 0.65 0.00	34.88 0.66 0.00	31.68 0.61 0.00	24.06 0.39 0.00	26.99 0.43 0.00	27.51 0.57 0.00
SITHE____STERLING 23777	13.98 0.13 0.00	19.35 0.21 0.00	26.69 0.29 0.00	24.45 0.26 0.00	17.88 0.19 0.00	16.33 0.22 0.00	24.89 0.44 0.00	21.28 0.42 0.00	27.30 0.59 0.00	24.08 0.40 0.00	20.32 0.35 0.00	17.45 0.32 0.00	16.29 0.28 0.00	20.15 0.35 0.00	27.94 0.58 0.00	28.40 0.59 0.00	34.69 0.75 0.00	37.72 0.72 0.00	37.06 0.66 0.00	34.80 0.58 0.00	31.57 0.49 0.00	24.00 0.32 0.00	26.88 0.33 0.00	27.24 0.29 0.00
SLEIGHT__34_KV_TB1 80719	13.21 -0.65 0.00	18.21 -0.93 0.00	25.16 -1.24 0.00	22.98 -1.21 0.00	16.82 -0.87 0.00	15.35 -0.76 0.00	23.39 -1.05 0.00	19.83 -1.04 0.00	25.48 -1.23 0.00	22.62 -1.07 0.00	19.11 -0.86 0.00	16.44 -0.68 0.00	15.32 -0.70 0.00	19.01 -0.79 0.00	26.26 -1.09 0.00	26.65 -1.17 0.00	32.56 -1.39 0.00	35.34 -1.65 0.00	34.75 -1.65 0.00	32.68 -1.54 0.00	29.70 -1.38 0.00	22.55 -1.12 0.00	25.45 -1.10 0.00	25.91 -1.03 0.00
SOUTH CAIRO__GT 23612	14.80 0.94 0.00	20.41 1.27 0.00	28.10 1.70 0.00	25.76 1.57 0.00	18.81 1.12 0.00	17.17 1.06 0.00	26.16 1.72 0.00	22.49 1.62 0.00	28.82 2.11 0.00	25.44 1.75 0.00	21.88 1.20 -0.71	19.18 0.95 -1.11	18.29 0.86 -1.41	21.37 1.10 -0.47	28.94 1.58 0.00	29.74 1.92 0.00	36.69 2.75 0.00	40.18 3.18 0.00	39.52 3.12 0.00	37.08 2.86 0.00	33.63 2.55 0.00	25.55 1.88 0.00	28.59 2.03 0.00	28.95 2.01 0.00
SOUTH HAMPTN__IC 23720	14.94 1.09 0.00	20.35 1.20 0.00	28.07 1.67 0.00	25.88 1.68 0.00	18.95 1.26 0.00	17.22 1.11 0.00	26.19 1.75 0.00	22.65 1.78 0.00	28.83 2.12 0.00	25.59 1.90 0.00	26.99 1.84 -5.18	26.78 1.54 -8.11	27.61 1.22 -10.37	24.76 1.52 -3.43	29.51 2.16 0.00	30.21 2.39 0.00	37.15 3.21 0.00	40.88 3.89 0.00	40.21 3.81 0.00	37.62 3.40 0.00	33.99 2.91 0.00	25.82 2.15 0.00	28.89 2.34 0.00	29.06 2.11 0.00
SOUTHDOW_115KV_TB1 355954	12.78 -1.08 0.00	17.66 -1.48 0.00	24.64 -1.76 0.00	22.44 -1.76 0.00	16.31 -1.38 0.00	14.91 -1.20 0.00	22.91 -1.53 0.00	17.60 -1.64 1.62	19.64 -1.87 5.20	20.81 -1.57 1.31	15.25 -1.40 3.32	11.97 -1.12 4.04	10.04 -1.15 4.83	13.17 -1.32 5.31	19.21 -1.81 6.33	19.23 -1.94 6.66	23.90 -2.57 7.47	25.71 -3.21 8.08	25.41 -3.18 7.81	24.08 -2.64 7.49	22.00 -2.22 6.86	21.38 -1.86 0.44	25.20 -1.36 0.00	25.95 -0.99 0.00
SOUTHOLD_69_KV_BK 2 55809	14.78 0.92 0.00	20.12 0.97 0.00	27.74 1.34 0.00	25.60 1.41 0.00	18.76 1.07 0.00	17.04 0.93 0.00	25.95 1.50 0.00	22.46 1.60 0.00	28.60 1.90 0.00	25.40 1.72 0.00	26.83 1.68 -5.18	26.63 1.40 -8.11	27.46 1.07 -10.37	24.57 1.33 -3.43	29.26 1.91 0.00	29.98 2.17 0.00	36.91 2.97 0.00	40.69 3.70 0.00	40.02 3.62 0.00	37.44 3.22 0.00	33.81 2.73 0.00	25.67 1.99 0.00	28.74 2.19 0.00	28.87 1.93 0.00
SOUTHOLD__IC 23719	14.78 0.92 0.00	20.11 0.97 0.00	27.74 1.34 0.00	25.60 1.40 0.00	18.76 1.07 0.00	17.04 0.92 0.00	25.95 1.50 0.00	22.46 1.60 0.00	28.60 1.90 0.00	25.40 1.72 0.00	26.83 1.68 -5.18	26.63 1.39 -8.11	27.46 1.07 -10.37	24.57 1.33 -3.43	29.25 1.90 0.00	29.97 2.15 0.00	36.90 2.96 0.00	40.69 3.70 0.00	40.02 3.62 0.00	37.44 3.23 0.00	33.80 2.72 0.00	25.67 1.99 0.00	28.74 2.18 0.00	28.88 1.93 0.00
SOUTH_FORK_WT_PWR 323839	14.55 0.70 0.00	19.80 0.65 0.00	27.31 0.91 0.00	25.22 1.03 0.00	18.49 0.80 0.00	16.79 0.68 0.00	25.57 1.13 0.00	22.15 1.28 0.00	28.20 1.49 0.00	25.04 1.35 0.00	26.53 1.38 -5.18	26.37 1.13 -8.11	27.22 0.83 -10.37	24.27 1.04 -3.43	28.84 1.48 0.00	29.55 1.73 0.00	36.39 2.45 0.00	40.14 3.14 0.00	39.48 3.08 0.00	36.93 2.71 0.00	33.33 2.25 0.00	25.32 1.65 0.00	28.38 1.82 0.00	28.50 1.55 0.00
SPIERFLS_115KV_TB 1 80737	14.33 0.47 0.00	19.72 0.58 0.00	27.16 0.76 0.00	24.91 0.71 0.00	18.19 0.50 0.00	16.59 0.48 0.00	25.27 0.83 0.00	21.71 0.85 0.00	27.82 1.11 0.00	24.71 1.02 0.00	22.06 0.84 -1.25	19.82 0.73 -1.96	19.14 0.62 -2.51	21.37 0.73 -0.83	28.49 1.13 0.00	29.03 1.21 0.00	35.57 1.63 0.00	38.91 1.91 0.00	38.24 1.83 0.00	35.89 1.67 0.00	32.55 1.47 0.00	24.71 1.03 0.00	27.62 1.06 0.00	27.95 1.01 0.00
ST LAWRENCE____ 23600	13.88 0.02 0.00	19.19 0.05 0.00	26.43 0.03 0.00	24.24 0.04 0.00	17.76 0.07 0.00	16.17 0.06 0.00	24.52 0.08 0.00	20.92 0.05 0.00	26.73 0.03 0.00	23.75 0.07 0.00	19.98 0.01 0.00	17.09 -0.03 0.00	16.02 0.00 0.00	19.75 -0.05 0.00	27.32 -0.04 0.00	27.74 -0.08 0.00	33.83 -0.11 0.00	36.83 -0.16 0.00	36.31 -0.09 0.00	34.17 -0.05 0.00	31.06 -0.02 0.00	23.64 -0.03 0.00	26.50 -0.06 0.00	26.95 0.00 0.00
STATE_CA_115KV_115_LB 55624	14.34 0.48 0.00	19.80 0.65 0.00	27.29 0.88 0.00	25.01 0.82 0.00	18.27 0.58 0.00	16.64 0.53 0.00	25.27 0.83 0.00	21.68 0.81 0.00	27.74 1.03 0.00	24.57 0.88 0.00	22.01 0.70 -1.33	19.80 0.59 -2.09	19.23 0.54 -2.67	21.39 0.70 -0.88	28.34 0.99 0.00	28.89 1.08 0.00	35.21 1.27 0.00	38.42 1.42 0.00	37.77 1.37 0.00	35.48 1.26 0.00	32.23 1.15 0.00	24.55 0.88 0.00	27.54 0.98 0.00	27.96 1.02 0.00



STATE_ST_34_KV_LOAD 55959	13.66 -0.19 0.00	18.81 -0.33 0.00	25.97 -0.44 0.00	23.75 -0.44 0.00	17.42 -0.27 0.00	15.88 -0.23 0.00	24.08 -0.36 0.00	20.48 -0.38 0.00	26.26 -0.45 0.00	23.27 -0.41 0.00	19.71 -0.26 0.00	16.96 -0.16 0.00	15.85 -0.17 0.00	19.64 -0.16 0.00	27.10 -0.25 0.00	27.53 -0.29 0.00	33.64 -0.30 0.00	36.53 -0.47 0.00	35.99 -0.41 0.00	33.80 -0.41 0.00	30.74 -0.34 0.00	23.35 -0.32 0.00	26.25 -0.31 0.00	26.68 -0.26 0.00
STATION_5_MISC_HYD 23604	13.05 -0.81 0.00	18.00 -1.14 0.00	24.89 -1.51 0.00	22.71 -1.49 0.00	16.60 -1.09 0.00	15.15 -0.97 0.00	23.09 -1.35 0.00	19.51 -1.36 0.00	25.11 -1.60 0.00	22.31 -1.38 0.00	18.82 -1.15 0.00	16.19 -0.94 0.00	15.04 -0.98 0.00	18.67 -1.13 0.00	25.84 -1.51 0.00	26.19 -1.63 0.00	31.96 -1.98 0.00	34.66 -2.34 0.00	34.07 -2.33 0.00	32.11 -2.11 0.00	29.22 -1.86 0.00	22.16 -1.51 0.00	25.13 -1.43 0.00	25.66 -1.29 0.00
STA_168_34_KV_BK1_2_REV_LBMP_B 345032	13.28 -0.58 0.00	18.32 -0.82 0.00	25.34 -1.06 0.00	23.15 -1.04 0.00	16.92 -0.78 0.00	15.44 -0.67 0.00	23.56 -0.89 0.00	19.96 -0.90 0.00	25.66 -1.05 0.00	22.79 -0.90 0.00	19.21 -0.76 0.00	16.54 -0.59 0.00	15.40 -0.62 0.00	19.11 -0.69 0.00	26.41 -0.95 0.00	26.79 -1.03 0.00	32.72 -1.22 0.00	35.55 -1.45 0.00	34.96 -1.44 0.00	32.88 -1.34 0.00	29.89 -1.19 0.00	22.69 -0.99 0.00	25.63 -0.93 0.00	26.10 -0.85 0.00
STA_56_34_KV_BUS2_REV_LBMP_B 345033	13.02 -0.84 0.00	17.96 -1.19 0.00	24.82 -1.58 0.00	22.65 -1.54 0.00	16.56 -1.13 0.00	15.11 -1.00 0.00	23.04 -1.40 0.00	19.47 -1.40 0.00	25.04 -1.67 0.00	22.25 -1.43 0.00	18.77 -1.20 0.00	16.14 -0.99 0.00	15.00 -1.02 0.00	18.63 -1.17 0.00	25.75 -1.60 0.00	26.11 -1.71 0.00	31.87 -2.06 0.00	34.58 -2.41 0.00	34.00 -2.40 0.00	32.02 -2.20 0.00	29.13 -1.95 0.00	22.13 -1.55 0.00	25.06 -1.50 0.00	25.57 -1.37 0.00
STA_56___34_KV_BUS2 355983	13.02 -0.84 0.00	17.96 -1.19 0.00	24.82 -1.58 0.00	22.65 -1.54 0.00	16.56 -1.13 0.00	15.11 -1.00 0.00	23.04 -1.40 0.00	19.47 -1.40 0.00	25.04 -1.67 0.00	22.25 -1.43 0.00	18.77 -1.20 0.00	16.14 -0.99 0.00	15.00 -1.02 0.00	18.63 -1.17 0.00	25.75 -1.60 0.00	26.11 -1.71 0.00	31.87 -2.06 0.00	34.58 -2.41 0.00	34.00 -2.40 0.00	32.02 -2.20 0.00	29.13 -1.95 0.00	22.13 -1.55 0.00	25.06 -1.50 0.00	25.57 -1.37 0.00
STA_67___115KV_BK2 355882	13.02 -0.83 0.00	17.96 -1.18 0.00	24.85 -1.56 0.00	22.67 -1.53 0.00	16.57 -1.12 0.00	15.11 -1.00 0.00	23.04 -1.40 0.00	19.46 -1.41 0.00	25.02 -1.68 0.00	22.25 -1.44 0.00	18.75 -1.22 0.00	16.12 -1.00 0.00	14.98 -1.05 0.00	18.61 -1.20 0.00	25.73 -1.63 0.00	26.08 -1.74 0.00	31.83 -2.11 0.00	34.51 -2.48 0.00	33.93 -2.47 0.00	31.98 -2.24 0.00	29.10 -1.98 0.00	22.10 -1.57 0.00	25.07 -1.49 0.00	25.60 -1.35 0.00
STA_7___115KV_9TRANS 80674	13.11 -0.74 0.00	18.09 -1.05 0.00	25.01 -1.39 0.00	22.81 -1.39 0.00	16.67 -1.01 0.00	15.22 -0.89 0.00	23.21 -1.23 0.00	19.60 -1.26 0.00	25.23 -1.48 0.00	22.43 -1.26 0.00	18.91 -1.06 0.00	16.27 -0.86 0.00	15.11 -0.91 0.00	18.77 -1.03 0.00	25.97 -1.39 0.00	26.31 -1.51 0.00	32.14 -1.81 0.00	34.85 -2.15 0.00	34.27 -2.13 0.00	32.29 -1.93 0.00	29.37 -1.70 0.00	22.30 -1.38 0.00	25.27 -1.29 0.00	25.80 -1.14 0.00
STA_82___115KV_TB1 80780	13.02 -0.83 0.00	17.96 -1.18 0.00	24.85 -1.56 0.00	22.67 -1.53 0.00	16.57 -1.12 0.00	15.12 -0.99 0.00	23.05 -1.39 0.00	19.46 -1.40 0.00	25.04 -1.68 -0.01	22.25 -1.44 0.00	18.77 -1.22 -0.01	16.13 -1.00 -0.01	14.98 -1.04 0.00	18.61 -1.20 0.00	25.73 -1.62 0.00	26.08 -1.74 0.00	31.84 -2.10 0.00	34.52 -2.47 0.00	33.95 -2.45 0.00	31.99 -2.23 0.00	29.11 -1.97 0.00	22.11 -1.57 0.00	25.07 -1.49 0.00	25.60 -1.35 0.00
STEEL___WIND 323596	12.57 -1.28 0.00	17.35 -1.79 0.00	24.04 -2.36 0.00	21.87 -2.32 0.00	15.96 -1.73 0.00	14.57 -1.54 0.00	22.30 -2.14 0.00	15.07 -2.18 3.62	13.92 -2.54 10.24	19.07 -2.25 2.37	12.07 -1.90 6.00	8.26 -1.56 7.30	5.69 -1.61 8.72	8.34 -1.88 9.59	13.42 -2.50 11.43	13.13 -2.68 12.01	17.14 -3.31 13.48	18.51 -3.90 14.58	18.46 -3.84 14.10	17.22 -3.48 13.52	15.70 -3.00 12.38	20.37 -2.52 0.79	24.30 -2.26 0.00	25.02 -1.93 0.00
STEPHTWN_115KV_BK_2 55603	14.43 0.57 0.00	19.90 0.75 0.00	27.47 1.07 0.00	25.16 0.96 0.00	18.38 0.69 0.00	16.75 0.63 0.00	25.43 0.99 0.00	21.88 1.01 0.00	27.93 1.22 0.00	24.73 1.04 0.00	22.14 0.82 -1.35	19.92 0.68 -2.11	19.33 0.61 -2.70	21.51 0.81 -0.89	28.59 1.23 0.00	29.11 1.29 0.00	35.51 1.57 0.00	38.78 1.79 0.00	38.08 1.68 0.00	35.84 1.62 0.00	32.55 1.47 0.00	24.76 1.09 0.00	27.83 1.27 0.00	28.17 1.23 0.00
STEUBEN_REC_LFGE 323667	12.38 -1.47 0.00	17.20 -1.94 0.00	23.76 -2.64 0.00	21.73 -2.47 0.00	15.86 -1.82 0.00	14.44 -1.67 0.00	22.14 -2.30 0.00	27.14 -2.20 -8.48	48.10 -2.73 -24.12	26.84 -2.42 -5.57	32.10 -2.07 -14.19	32.76 -1.61 -17.24	34.93 -1.56 -20.47	40.42 -1.89 -22.51	51.64 -2.55 -26.83	53.37 -2.64 -28.18	62.40 -3.19 -31.64	67.99 -3.22 -34.22	66.17 -3.32 -33.09	62.52 -3.44 -31.74	57.11 -3.03 -29.06	23.07 -2.46 -1.85	24.21 -2.34 0.00	24.92 -2.02 0.00
STILLWATER___SOLAR 323814	14.46 0.60 0.00	19.93 0.79 0.00	27.46 1.06 0.00	25.17 0.98 0.00	18.39 0.70 0.00	16.76 0.65 0.00	25.49 1.04 0.00	21.87 1.00 0.00	28.00 1.29 0.00	24.84 1.16 0.00	22.21 0.95 -1.29	19.93 0.79 -2.02	19.29 0.69 -2.58	21.51 0.85 -0.85	28.65 1.30 0.00	29.23 1.41 0.00	35.73 1.79 0.00	39.02 2.03 0.00	38.37 1.97 0.00	36.04 1.83 0.00	32.69 1.61 0.00	24.85 1.18 0.00	27.83 1.27 0.00	28.15 1.21 0.00
STONY___BROOK 24151	14.96 1.11 0.00	20.39 1.25 0.00	28.11 1.71 0.00	25.90 1.70 0.00	18.95 1.27 0.00	17.20 1.09 0.00	26.13 1.70 0.00	22.57 1.70 0.00	28.75 2.04 0.00	25.48 1.80 0.00	26.90 1.75 -5.18	26.75 1.51 -8.11	27.63 1.23 -10.37	24.81 1.58 -3.43	29.56 2.20 0.00	30.17 2.35 0.00	37.01 3.07 0.00	40.62 3.63 0.00	39.94 3.54 0.00	37.53 3.31 0.00	33.96 2.88 0.00	25.80 2.12 0.00	28.86 2.30 0.00	29.05 2.10 0.00
STURGEON_POOL_HYD 23609	14.73 0.87 0.00	20.29 1.15 0.00	27.97 1.57 0.00	25.64 1.44 0.00	18.76 1.07 0.00	17.07 0.96 0.00	25.96 1.52 0.00	22.27 1.40 0.00	28.46 1.75 0.00	25.25 1.57 0.00	20.35 1.37 0.99	16.70 1.13 1.55	15.12 1.09 1.98	20.58 1.43 0.65	29.47 2.11 0.00	30.04 2.22 0.00	36.76 2.82 0.00	40.26 3.26 0.00	39.54 3.14 0.00	37.11 2.89 0.00	33.59 2.51 0.00	25.51 1.83 0.00	28.54 1.99 0.00	28.81 1.86 0.00
ST_LAW_115_BK7_LBMP 345037	13.88 0.02 0.00	19.20 0.05 0.00	26.45 0.05 0.00	24.26 0.06 0.00	17.77 0.08 0.00	16.18 0.07 0.00	24.53 0.08 0.00	20.92 0.05 0.00	26.74 0.03 0.00	23.76 0.08 0.00	19.98 0.01 0.00	17.09 -0.03 0.00	16.02 0.00 0.00	19.75 -0.05 0.00	27.32 -0.03 0.00	27.74 -0.08 0.00	33.83 -0.11 0.00	36.82 -0.17 0.00	36.31 -0.09 0.00	34.18 -0.04 0.00	31.07 0.00 0.00	23.65 -0.03 0.00	26.50 -0.06 0.00	26.97 0.03 0.00



ST_LAW_115_BK8_LBMP 345038	13.88 0.02 0.00	19.20 0.05 0.00	26.45 0.05 0.00	24.26 0.06 0.00	17.77 0.08 0.00	16.18 0.07 0.00	24.53 0.08 0.00	20.92 0.05 0.00	26.74 0.03 0.00	23.76 0.08 0.00	19.98 0.01 0.00	17.09 -0.03 0.00	16.02 0.00 0.00	19.75 -0.05 0.00	27.32 -0.03 0.00	27.74 -0.08 0.00	33.83 -0.11 0.00	36.82 -0.17 0.00	36.31 -0.09 0.00	34.18 -0.04 0.00	31.07 0.00 0.00	23.65 -0.03 0.00	26.50 -0.06 0.00	26.97 0.03 0.00
ST_LAW_230_BK5_LBMP 345035	13.88 0.02 0.00	19.19 0.05 0.00	26.43 0.03 0.00	24.24 0.04 0.00	17.76 0.07 0.00	16.17 0.06 0.00	24.52 0.08 0.00	20.92 0.05 0.00	26.73 0.03 0.00	23.75 0.07 0.00	19.98 0.01 0.00	17.09 -0.03 0.00	16.02 0.00 0.00	19.75 -0.05 0.00	27.32 -0.04 0.00	27.74 -0.08 0.00	33.83 -0.11 0.00	36.83 -0.16 0.00	36.31 -0.09 0.00	34.17 -0.05 0.00	31.06 -0.02 0.00	23.64 -0.03 0.00	26.50 -0.06 0.00	26.95 0.00 0.00
ST_LAW_230_BK6_LBMP 345036	13.88 0.02 0.00	19.19 0.05 0.00	26.43 0.03 0.00	24.24 0.04 0.00	17.76 0.07 0.00	16.17 0.06 0.00	24.52 0.08 0.00	20.92 0.05 0.00	26.73 0.03 0.00	23.75 0.07 0.00	19.98 0.01 0.00	17.09 -0.03 0.00	16.02 0.00 0.00	19.75 -0.05 0.00	27.32 -0.04 0.00	27.74 -0.08 0.00	33.83 -0.11 0.00	36.83 -0.16 0.00	36.31 -0.09 0.00	34.17 -0.05 0.00	31.06 -0.02 0.00	23.64 -0.03 0.00	26.50 -0.06 0.00	26.95 0.00 0.00
SUGRLOAF_69_KV_LOAD_REV_LBMP_G 345026	14.38 0.52 0.00	19.83 0.69 0.00	27.38 0.98 0.00	25.10 0.90 0.00	18.36 0.67 0.00	16.70 0.58 0.00	25.36 0.91 0.00	21.67 0.80 0.00	27.70 0.99 0.00	24.56 0.87 0.00	12.26 0.80 8.51	4.47 0.68 13.33	-0.37 0.66 17.05	15.03 0.87 5.64	28.61 1.25 0.00	29.14 1.32 0.00	35.59 1.65 0.00	38.91 1.92 0.00	38.22 1.82 0.00	35.89 1.67 0.00	32.52 1.43 0.00	24.72 1.05 0.00	27.71 1.15 0.00	28.00 1.06 0.00
SWANROAD_115KV_TB1 355699	12.27 -1.58 0.00	16.93 -2.22 0.00	23.46 -2.94 0.00	21.33 -2.87 0.00	15.58 -2.11 0.00	14.21 -1.90 0.00	21.72 -2.72 0.00	15.39 -2.73 2.74	15.92 -3.18 7.61	19.07 -2.85 1.77	13.21 -2.37 4.39	9.74 -2.01 5.39	7.34 -2.08 6.59	10.06 -2.47 7.27	15.30 -3.38 8.67	15.14 -3.58 9.11	19.28 -4.44 10.22	20.76 -5.18 11.06	20.63 -5.08 10.69	19.37 -4.60 10.25	17.72 -3.97 9.39	19.77 -3.30 0.60	23.46 -3.10 0.00	24.17 -2.78 0.00
SYNERGY___BIOGAS 323694	12.90 -0.95 0.00	17.80 -1.35 0.00	24.64 -1.76 0.00	22.43 -1.76 0.00	16.41 -1.28 0.00	15.00 -1.11 0.00	22.99 -1.46 0.00	17.54 -1.53 1.79	20.01 -1.68 5.01	21.04 -1.48 1.16	15.81 -1.25 2.92	12.56 -1.00 3.56	10.59 -1.12 4.31	13.77 -1.29 4.74	20.03 -1.67 5.66	20.07 -1.80 5.94	25.07 -2.20 6.67	27.14 -2.64 7.21	26.80 -2.63 6.97	25.18 -2.35 6.69	22.92 -2.03 6.13	21.47 -1.81 0.39	24.96 -1.60 0.00	25.56 -1.39 0.00
SYRACUSE___ENERGY_ST1 323597	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
SYRACUSE___ENERGY_ST2 323598	13.61 -0.25 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.75 -0.45 0.00	17.36 -0.33 0.00	15.82 -0.29 0.00	24.01 -0.43 0.00	20.45 -0.42 0.00	26.21 -0.50 0.00	23.23 -0.45 0.00	19.62 -0.35 0.00	16.86 -0.26 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.92 -0.43 0.00	27.34 -0.47 0.00	33.40 -0.54 0.00	36.37 -0.62 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.53 -0.55 0.00	23.25 -0.43 0.00	26.11 -0.45 0.00	26.51 -0.44 0.00
SYRACUSE___POWER 24017	13.60 -0.26 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.74 -0.45 0.00	17.35 -0.34 0.00	15.81 -0.30 0.00	24.03 -0.42 0.00	20.46 -0.41 0.00	26.23 -0.48 0.00	23.24 -0.44 0.00	19.61 -0.37 0.00	16.86 -0.27 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.93 -0.42 0.00	27.35 -0.47 0.00	33.40 -0.54 0.00	36.40 -0.60 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.52 -0.55 0.00	23.24 -0.44 0.00	26.09 -0.47 0.00	26.50 -0.45 0.00
TALLMAN___138KV_BK151 55660	14.41 0.55 0.00	19.87 0.73 0.00	27.45 1.05 0.00	25.17 0.97 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.77 0.91 0.00	27.83 1.12 0.00	24.69 1.00 0.00	11.15 0.92 9.74	2.65 0.78 15.25	-2.72 0.76 19.51	14.34 0.99 6.46	28.76 1.40 0.00	29.30 1.48 0.00	35.79 1.85 0.00	39.13 2.13 0.00	38.43 2.03 0.00	36.10 1.88 0.00	32.69 1.62 0.00	24.84 1.17 0.00	27.85 1.29 0.00	28.14 1.19 0.00
TEALLAVE_115KV_TB7 355573	13.54 -0.32 0.00	18.69 -0.45 0.00	25.80 -0.60 0.00	23.63 -0.57 0.00	17.27 -0.42 0.00	15.73 -0.38 0.00	23.89 -0.55 0.00	20.34 -0.53 0.00	26.08 -0.63 0.00	23.12 -0.57 0.00	19.51 -0.46 0.00	16.77 -0.36 0.00	15.66 -0.35 0.00	19.40 -0.40 0.00	26.77 -0.59 0.00	27.18 -0.63 0.00	33.19 -0.75 0.00	36.15 -0.84 0.00	35.53 -0.87 0.00	33.39 -0.83 0.00	30.32 -0.76 0.00	23.10 -0.58 0.00	25.95 -0.61 0.00	26.35 -0.60 0.00
TELGRAPH_34_KV_EAST 80808	12.61 -1.24 0.00	17.39 -1.75 0.00	24.10 -2.30 0.00	21.93 -2.26 0.00	16.03 -1.66 0.00	14.64 -1.48 0.00	22.39 -2.05 0.00	16.51 -2.11 2.25	18.01 -2.42 6.28	20.08 -2.15 1.46	14.52 -1.80 3.65	11.16 -1.50 4.46	9.02 -1.60 5.40	12.00 -1.86 5.94	17.75 -2.52 7.09	17.68 -2.69 7.44	22.28 -3.30 8.36	24.05 -3.91 9.04	23.81 -3.85 8.74	22.37 -3.47 8.38	20.40 -3.00 7.67	20.67 -2.52 0.49	24.26 -2.30 0.00	24.91 -2.03 0.00
TEMPLE___115KV_TB 2 55572	13.54 -0.32 0.00	18.71 -0.44 0.00	25.82 -0.58 0.00	23.63 -0.56 0.00	17.27 -0.42 0.00	15.74 -0.37 0.00	23.90 -0.54 0.00	20.35 -0.52 0.00	26.09 -0.61 0.00	23.12 -0.56 0.00	19.52 -0.45 0.00	16.77 -0.35 0.00	15.67 -0.35 0.00	19.41 -0.39 0.00	26.77 -0.58 0.00	27.20 -0.62 0.00	33.22 -0.72 0.00	36.17 -0.82 0.00	35.55 -0.85 0.00	33.41 -0.81 0.00	30.33 -0.74 0.00	23.11 -0.57 0.00	25.96 -0.60 0.00	26.36 -0.59 0.00
TIANA____69_KV_BK 1 55817	14.99 1.13 0.00	20.41 1.27 0.00	28.14 1.74 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.25 1.81 0.00	22.69 1.83 0.00	28.89 2.18 0.00	25.64 1.95 0.00	27.02 1.87 -5.18	26.82 1.58 -8.11	27.65 1.25 -10.37	24.80 1.57 -3.43	29.58 2.23 0.00	30.28 2.46 0.00	37.22 3.28 0.00	40.95 3.96 0.00	40.28 3.88 0.00	37.70 3.48 0.00	34.06 2.98 0.00	25.88 2.20 0.00	28.95 2.39 0.00	29.12 2.17 0.00
TILDEN___115KV_TB1 80814	13.60 -0.26 0.00	18.79 -0.35 0.00	25.93 -0.47 0.00	23.74 -0.45 0.00	17.35 -0.34 0.00	15.81 -0.30 0.00	24.03 -0.42 0.00	20.46 -0.41 0.00	26.23 -0.48 0.00	23.24 -0.44 0.00	19.61 -0.37 0.00	16.86 -0.27 0.00	15.76 -0.26 0.00	19.51 -0.29 0.00	26.93 -0.42 0.00	27.35 -0.47 0.00	33.40 -0.54 0.00	36.40 -0.60 0.00	35.77 -0.63 0.00	33.61 -0.60 0.00	30.52 -0.55 0.00	23.24 -0.44 0.00	26.09 -0.47 0.00	26.50 -0.45 0.00



TRIGEN___CC 323695	14.71 0.85 0.00	20.14 0.99 0.00	27.77 1.37 0.00	25.56 1.36 0.00	18.72 1.03 0.00	16.99 0.88 0.00	25.78 1.34 0.00	22.24 1.38 0.00	28.35 1.65 0.00	25.14 1.46 0.00	26.53 1.37 -5.18	26.42 1.18 -8.11	27.44 1.04 -10.37	24.58 1.35 -3.43	29.24 1.89 0.00	29.75 1.93 0.00	36.40 2.46 0.00	39.84 2.85 0.00	39.14 2.74 0.00	36.79 2.57 0.00	33.30 2.22 0.00	25.32 1.64 0.00	28.34 1.78 0.00	28.60 1.66 0.00
TRINITY___115KV___4 BK 55933	14.30 0.45 0.00	19.74 0.60 0.00	27.21 0.81 0.00	24.94 0.75 0.00	18.22 0.53 0.00	16.60 0.49 0.00	25.20 0.75 0.00	21.61 0.75 0.00	27.66 0.95 0.00	24.50 0.81 0.00	21.96 0.64 -1.35	19.78 0.53 -2.12	19.21 0.48 -2.71	21.33 0.63 -0.90	28.23 0.88 0.00	28.79 0.97 0.00	35.07 1.13 0.00	38.26 1.27 0.00	37.63 1.23 0.00	35.36 1.13 0.00	32.13 1.04 0.00	24.48 0.80 0.00	27.46 0.90 0.00	27.88 0.94 0.00
UNION___PROCESSING_DRP 323587	13.02 -0.83 0.00	17.97 -1.17 0.00	24.85 -1.55 0.00	22.67 -1.53 0.00	16.57 -1.12 0.00	15.12 -0.99 0.00	23.05 -1.39 0.00	19.47 -1.40 0.00	25.05 -1.67 -0.01	22.26 -1.43 0.00	18.77 -1.21 -0.01	16.14 -0.99 -0.01	14.98 -1.04 0.00	18.61 -1.19 0.00	25.74 -1.62 0.00	26.09 -1.73 0.00	31.85 -2.09 0.00	34.53 -2.46 0.00	33.96 -2.44 0.00	31.99 -2.23 0.00	29.11 -1.96 0.00	22.11 -1.57 0.00	25.08 -1.48 0.00	25.60 -1.34 0.00
UPPER HUDSON___HYD 24058	14.33 0.47 0.00	19.72 0.58 0.00	27.16 0.76 0.00	24.91 0.71 0.00	18.19 0.50 0.00	16.59 0.48 0.00	25.27 0.83 0.00	21.71 0.85 0.00	27.82 1.11 0.00	24.70 1.02 0.00	22.06 0.83 -1.25	19.82 0.73 -1.96	19.14 0.62 -2.51	21.37 0.73 -0.83	28.48 1.13 0.00	29.03 1.21 0.00	35.56 1.62 0.00	38.91 1.91 0.00	38.23 1.83 0.00	35.89 1.67 0.00	32.55 1.47 0.00	24.71 1.03 0.00	27.62 1.06 0.00	27.95 1.01 0.00
UPPER RAQUET___HYD 24056	13.66 -0.19 0.00	18.95 -0.20 0.00	26.08 -0.31 0.00	23.96 -0.23 0.00	17.56 -0.13 0.00	15.94 -0.17 0.00	24.08 -0.36 0.00	20.62 -0.24 0.00	26.37 -0.34 0.00	23.37 -0.32 0.00	19.61 -0.36 0.00	16.75 -0.37 0.00	15.73 -0.29 0.00	19.35 -0.46 0.00	26.83 -0.53 0.00	27.28 -0.54 0.00	33.29 -0.65 0.00	36.06 -0.94 0.00	35.74 -0.66 0.00	33.64 -0.58 0.00	30.56 -0.52 0.00	23.22 -0.45 0.00	26.11 -0.45 0.00	26.66 -0.29 0.00
VALLEY44_115KV_TB2 355964	13.02 -0.83 0.00	18.11 -1.03 0.00	25.16 -1.24 0.00	22.93 -1.27 0.00	16.71 -0.98 0.00	15.25 -0.86 0.00	23.24 -1.20 0.00	18.20 -1.38 1.28	21.37 -1.59 3.75	21.43 -1.37 0.89	16.48 -1.23 2.26	13.46 -0.91 2.75	11.82 -0.90 3.30	15.26 -0.92 3.63	21.78 -1.25 4.32	21.73 -1.55 4.54	26.73 -2.12 5.10	28.69 -2.79 5.51	28.23 -2.84 5.33	26.58 -2.53 5.11	24.17 -2.22 4.68	21.54 -1.84 0.30	25.11 -1.45 0.00	25.77 -1.18 0.00
VALLEY___115KV_TB 1-4 80826	13.88 0.02 0.00	19.16 0.02 0.00	26.47 0.07 0.00	24.24 0.05 0.00	17.72 0.03 0.00	16.23 0.12 0.00	24.69 0.25 0.00	21.15 0.28 0.00	26.94 0.23 0.00	23.67 -0.01 0.00	20.00 0.03 0.00	17.07 -0.06 0.00	15.93 -0.09 0.00	19.63 -0.17 0.00	27.24 -0.12 0.00	27.94 0.12 0.00	34.24 0.31 0.00	37.30 0.31 0.00	36.65 0.25 0.00	34.43 0.21 0.00	31.24 0.16 0.00	23.76 0.08 0.00	26.58 0.03 0.00	26.95 0.00 0.00
VINEGAR_115_KV_917_CH_LD_REV_LBMP_E 345011	14.37 0.51 0.00	19.86 0.72 0.00	27.40 1.01 0.00	25.08 0.89 0.00	18.31 0.62 0.00	16.71 0.60 0.00	25.45 1.00 0.00	21.71 0.85 0.00	27.86 1.15 0.00	24.71 1.03 0.00	20.16 0.94 0.75	16.77 0.82 1.17	15.27 0.75 1.50	20.28 0.97 0.50	28.73 1.38 0.00	29.25 1.43 0.00	35.77 1.83 0.00	39.01 2.01 0.00	38.39 1.99 0.00	36.05 1.83 0.00	32.71 1.63 0.00	24.81 1.13 0.00	27.80 1.24 0.00	28.16 1.21 0.00
VISCHER___FERRY HYD 24020	14.39 0.53 0.00	19.84 0.69 0.00	27.34 0.94 0.00	25.07 0.87 0.00	18.30 0.61 0.00	16.68 0.57 0.00	25.34 0.90 0.00	21.73 0.87 0.00	27.82 1.11 0.00	24.67 0.99 0.00	22.18 0.83 -1.38	19.98 0.69 -2.16	19.40 0.62 -2.76	21.50 0.78 -0.91	28.46 1.11 0.00	29.01 1.19 0.00	35.42 1.47 0.00	38.65 1.66 0.00	38.02 1.62 0.00	35.72 1.50 0.00	32.43 1.35 0.00	24.68 1.01 0.00	27.66 1.10 0.00	27.98 1.04 0.00
V_A_10_SYNC_DSASP 323832	12.59 -1.26 0.00	17.38 -1.77 0.00	24.08 -2.32 0.00	21.92 -2.27 0.00	16.01 -1.68 0.00	14.60 -1.51 0.00	22.28 -2.16 0.00	16.99 -2.17 1.71	19.22 -2.62 4.87	20.26 -2.31 1.12	15.15 -1.95 2.87	12.03 -1.62 3.48	10.25 -1.66 4.11	13.33 -1.95 4.52	19.35 -2.61 5.39	19.37 -2.79 5.66	24.14 -3.44 6.36	26.07 -4.05 6.88	25.75 -4.01 6.65	24.23 -3.61 6.38	22.08 -3.16 5.84	20.77 -2.53 0.37	24.18 -2.38 0.00	24.80 -2.15 0.00
V_CMM_10_SYNC_DSASP 323787	13.96 0.11 0.00	19.29 0.14 0.00	26.56 0.16 0.00	24.36 0.17 0.00	17.84 0.15 0.00	16.25 0.14 0.00	24.64 0.20 0.00	21.02 0.15 0.00	26.86 0.15 0.00	23.87 0.19 0.00	20.08 0.10 0.00	17.17 0.05 0.00	16.10 0.08 0.00	19.85 0.04 0.00	27.46 0.10 0.00	27.88 0.06 0.00	34.00 0.06 0.00	37.00 0.01 0.00	36.49 0.09 0.00	34.34 0.12 0.00	31.22 0.14 0.00	23.76 0.08 0.00	26.63 0.07 0.00	27.11 0.16 0.00
V_CMP_10_SYNC_DSASP 323788	13.93 0.07 0.00	19.25 0.10 0.00	26.48 0.08 0.00	24.40 0.21 0.00	17.94 0.25 0.00	16.34 0.23 0.00	24.94 0.50 0.00	21.39 0.53 0.00	27.28 0.57 0.00	24.29 0.60 0.00	20.21 0.24 0.00	17.18 0.06 0.00	16.19 0.17 0.00	19.75 -0.05 0.00	27.39 0.04 0.00	27.74 -0.07 0.00	33.76 -0.18 0.00	36.96 -0.03 0.00	36.46 0.06 0.00	34.37 0.15 0.00	31.23 0.15 0.00	23.70 0.02 0.00	26.40 -0.16 0.00	26.73 -0.21 0.00
V_D_10_SYNC_DSASP 323841	13.94 0.08 0.00	19.36 0.21 0.00	26.69 0.29 0.00	24.48 0.28 0.00	17.93 0.24 0.00	16.33 0.22 0.00	24.75 0.30 0.00	21.12 0.25 0.00	26.99 0.28 0.00	23.97 0.29 0.00	20.16 0.18 0.00	17.24 0.11 0.00	16.16 0.15 0.00	19.93 0.12 0.00	27.57 0.22 0.00	28.01 0.19 0.00	34.16 0.22 0.00	37.05 0.06 0.00	36.66 0.26 0.00	34.51 0.29 0.00	31.37 0.29 0.00	23.86 0.18 0.00	26.76 0.20 0.00	27.25 0.30 0.00
V_E_10_SYNC_DSASP 323830	13.72 -0.13 0.00	19.01 -0.13 0.00	26.44 0.04 0.00	24.16 -0.03 0.00	17.67 -0.02 0.00	16.34 0.23 0.00	25.27 0.82 0.00	21.68 0.81 0.00	27.68 0.97 0.00	24.30 0.61 0.00	19.89 0.46 0.54	16.68 0.41 0.85	15.26 0.34 1.09	20.05 0.61 0.36	28.31 0.96 0.00	28.88 1.06 0.00	35.69 1.75 0.00	38.86 1.86 0.00	37.88 1.48 0.00	35.30 1.08 0.00	32.22 1.15 0.00	24.20 0.52 0.00	27.12 0.56 0.00	27.60 0.65 0.00
V_F_30_NSYNC___DSASP 323816	14.47 0.61 0.00	19.95 0.81 0.00	27.49 1.09 0.00	25.19 1.00 0.00	18.40 0.72 0.00	16.78 0.67 0.00	25.51 1.07 0.00	21.89 1.02 0.00	28.02 1.31 0.00	24.86 1.18 0.00	22.21 0.96 -1.27	19.93 0.81 -1.99	19.28 0.72 -2.55	21.53 0.88 -0.84	28.69 1.34 0.00	29.26 1.44 0.00	35.77 1.83 0.00	39.06 2.07 0.00	38.42 2.02 0.00	36.08 1.86 0.00	32.73 1.65 0.00	24.88 1.20 0.00	27.85 1.30 0.00	28.17 1.23 0.00



V_F_30_SYNC_DSASP 323786	14.34 0.48 0.00	19.80 0.65 0.00	27.29 0.88 0.00	25.01 0.82 0.00	18.27 0.58 0.00	16.64 0.53 0.00	25.27 0.83 0.00	21.68 0.81 0.00	27.74 1.03 0.00	24.57 0.88 0.00	22.01 0.70 -1.33	19.81 0.59 -2.09	19.23 0.54 -2.67	21.39 0.70 -0.88	28.34 0.98 0.00	28.89 1.07 0.00	35.21 1.26 0.00	38.41 1.41 0.00	37.76 1.36 0.00	35.48 1.26 0.00	32.23 1.15 0.00	24.55 0.88 0.00	27.53 0.98 0.00	27.96 1.02 0.00
V_XM_10_SYNC_DSASP 323789	13.93 0.07 0.00	19.25 0.10 0.00	26.48 0.08 0.00	24.40 0.21 0.00	17.94 0.25 0.00	16.34 0.23 0.00	24.94 0.50 0.00	21.39 0.53 0.00	27.28 0.57 0.00	24.29 0.60 0.00	20.21 0.24 0.00	17.18 0.06 0.00	16.19 0.17 0.00	19.75 -0.05 0.00	27.39 0.04 0.00	27.74 -0.07 0.00	33.76 -0.18 0.00	36.96 -0.03 0.00	36.46 0.06 0.00	34.37 0.15 0.00	31.23 0.15 0.00	23.70 0.02 0.00	26.40 -0.16 0.00	26.73 -0.21 0.00
W.NYACK_69_KV_BK 521_REV_LBMP_G 345027	14.46 0.61 0.00	19.95 0.80 0.00	27.55 1.15 0.00	25.25 1.06 0.00	18.47 0.78 0.00	16.80 0.69 0.00	25.53 1.09 0.00	21.87 1.00 0.00	27.95 1.24 0.00	24.79 1.11 0.00	10.93 1.01 10.05	2.25 0.86 15.74	-3.27 0.84 20.12	14.22 1.08 6.66	28.88 1.53 0.00	29.41 1.60 0.00	35.94 2.00 0.00	39.30 2.30 0.00	38.61 2.20 0.00	36.26 2.04 0.00	32.84 1.76 0.00	24.96 1.28 0.00	27.96 1.41 0.00	28.24 1.30 0.00
W49TH_ST_138_KV_38M43_REV_LBMP_J 345008	14.52 0.67 0.00	20.01 0.87 0.00	27.62 1.21 0.00	25.32 1.13 0.00	18.53 0.84 0.00	16.85 0.74 0.00	25.57 1.13 0.00	21.95 1.08 0.00	28.06 1.35 0.00	24.91 1.22 0.00	26.33 1.15 -5.21	26.28 1.00 -8.16	27.43 0.98 -10.43	24.53 1.27 -3.45	29.09 1.73 0.00	29.61 1.79 0.00	36.13 2.19 0.00	39.51 2.52 0.00	38.79 2.39 0.00	36.40 2.18 0.00	32.98 1.90 0.00	25.08 1.40 0.00	28.08 1.53 0.00	28.37 1.42 0.00
W50THST__13_KV_LOAD 356117	14.55 0.70 0.00	20.06 0.92 0.00	27.67 1.27 0.00	25.38 1.19 0.00	18.57 0.88 0.00	16.90 0.79 0.00	25.65 1.20 0.00	22.02 1.15 0.00	28.17 1.46 0.00	25.01 1.32 0.00	26.43 1.25 -5.21	26.36 1.08 -8.16	27.51 1.06 -10.43	24.63 1.37 -3.45	29.24 1.89 0.00	29.75 1.93 0.00	36.29 2.35 0.00	39.66 2.67 0.00	38.93 2.53 0.00	36.51 2.29 0.00	33.08 2.00 0.00	25.15 1.47 0.00	28.15 1.60 0.00	28.44 1.49 0.00
WADING RIVER_IC_1 23522	14.98 1.13 0.00	20.41 1.27 0.00	28.15 1.75 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.14 0.00	25.59 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.23 -10.37	24.79 1.55 -3.43	29.56 2.20 0.00	30.24 2.42 0.00	37.14 3.20 0.00	40.83 3.84 0.00	40.17 3.76 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.86 2.19 0.00	28.93 2.37 0.00	29.10 2.16 0.00
WADING RIVER_IC_2 23547	14.98 1.13 0.00	20.41 1.27 0.00	28.15 1.75 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.14 0.00	25.59 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.23 -10.37	24.79 1.55 -3.43	29.56 2.20 0.00	30.24 2.42 0.00	37.14 3.20 0.00	40.83 3.84 0.00	40.17 3.76 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.86 2.19 0.00	28.93 2.37 0.00	29.10 2.16 0.00
WADING RIVER_IC_3 23601	14.98 1.13 0.00	20.41 1.27 0.00	28.15 1.75 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.25 1.14 0.00	26.23 1.79 0.00	22.67 1.80 0.00	28.85 2.14 0.00	25.59 1.91 0.00	26.99 1.84 -5.18	26.80 1.56 -8.11	27.63 1.23 -10.37	24.79 1.55 -3.43	29.56 2.20 0.00	30.24 2.42 0.00	37.14 3.20 0.00	40.83 3.84 0.00	40.17 3.76 0.00	37.65 3.43 0.00	34.04 2.96 0.00	25.86 2.19 0.00	28.93 2.37 0.00	29.10 2.16 0.00
WALDENNY_12_KV_BK2 80841	12.59 -1.26 0.00	17.38 -1.76 0.00	24.07 -2.33 0.00	21.90 -2.30 0.00	15.99 -1.70 0.00	14.60 -1.51 0.00	22.34 -2.10 0.00	15.19 -2.15 3.52	14.25 -2.51 9.94	19.19 -2.20 2.30	12.29 -1.86 5.82	8.50 -1.54 7.09	5.94 -1.60 8.48	8.62 -1.85 9.33	13.73 -2.51 11.12	13.44 -2.70 11.68	17.52 -3.30 13.12	18.91 -3.90 14.18	18.84 -3.85 13.72	17.57 -3.50 13.16	16.02 -3.02 12.04	20.41 -2.50 0.77	24.31 -2.25 0.00	25.02 -1.93 0.00
WALDEN__HYDRO 24148	14.49 0.64 0.00	19.99 0.84 0.00	27.57 1.17 0.00	25.27 1.08 0.00	18.49 0.80 0.00	16.82 0.71 0.00	25.56 1.12 0.00	21.87 1.00 0.00	27.94 1.23 0.00	24.77 1.09 0.00	17.34 0.97 3.60	12.29 0.81 5.65	9.59 0.79 7.22	18.46 1.05 2.39	28.85 1.50 0.00	29.41 1.60 0.00	35.95 2.01 0.00	39.32 2.33 0.00	38.62 2.22 0.00	36.27 2.05 0.00	32.85 1.77 0.00	24.97 1.29 0.00	27.97 1.41 0.00	28.26 1.31 0.00
WARRENSBURG____ 23737	14.33 0.47 0.00	19.72 0.58 0.00	27.16 0.76 0.00	24.91 0.71 0.00	18.19 0.50 0.00	16.59 0.48 0.00	25.27 0.83 0.00	21.71 0.85 0.00	27.82 1.11 0.00	24.70 1.02 0.00	22.06 0.83 -1.25	19.82 0.73 -1.96	19.14 0.62 -2.51	21.37 0.73 -0.83	28.48 1.13 0.00	29.03 1.21 0.00	35.56 1.62 0.00	38.91 1.91 0.00	38.23 1.83 0.00	35.89 1.67 0.00	32.55 1.47 0.00	24.71 1.03 0.00	27.62 1.06 0.00	27.95 1.01 0.00
WATERSIDE____6 8 9 23538	8.05 0.73 6.54	14.80 0.95 5.29	24.08 1.32 3.64	21.29 1.22 4.12	13.04 0.90 5.55	10.96 0.79 5.94	21.43 1.19 4.20	17.02 1.15 4.99	24.35 1.43 3.79	20.53 1.28 4.43	22.09 1.23 -0.89	22.10 1.06 -3.92	23.56 1.04 -6.50	20.10 1.35 1.05	25.47 1.81 3.70	22.73 1.87 6.96	33.95 2.27 2.25	29.08 2.60 10.51	17.53 2.49 21.36	26.45 2.28 10.06	28.62 1.99 4.46	16.56 1.49 8.61	24.22 1.62 3.96	24.65 1.53 3.83
WATKINRD_115KV_LN8_ILLION 55919	13.92 0.06 0.00	19.22 0.07 0.00	26.51 0.11 0.00	24.30 0.10 0.00	17.75 0.06 0.00	16.21 0.09 0.00	24.62 0.18 0.00	21.07 0.21 0.00	26.93 0.22 0.00	23.78 0.09 0.00	20.07 0.09 0.00	17.17 0.04 0.00	16.02 0.00 0.00	19.78 -0.02 0.00	27.41 0.05 0.00	28.03 0.21 0.00	34.28 0.34 0.00	37.41 0.41 0.00	36.78 0.38 0.00	34.55 0.33 0.00	31.35 0.27 0.00	23.86 0.19 0.00	26.71 0.16 0.00	27.06 0.12 0.00
WATSON____69_KV_BK 1 55734	15.05 1.20 0.00	20.54 1.39 0.00	28.31 1.91 0.00	26.08 1.89 0.00	19.09 1.40 0.00	17.32 1.21 0.00	26.32 1.88 0.00	22.74 1.87 0.00	28.96 2.26 0.00	25.68 1.99 0.00	27.04 1.89 -5.18	26.87 1.63 -8.11	27.74 1.35 -10.37	24.96 1.73 -3.43	29.79 2.43 0.00	30.38 2.56 0.00	37.27 3.33 0.00	40.91 3.92 0.00	40.23 3.82 0.00	37.81 3.59 0.00	34.21 3.13 0.00	25.98 2.30 0.00	29.05 2.50 0.00	29.26 2.32 0.00
WDELAWARE__HYD 323627	14.28 0.42 0.00	19.68 0.54 0.00	27.15 0.75 0.00	24.87 0.68 0.00	18.21 0.52 0.00	16.58 0.47 0.00	25.21 0.77 0.00	21.59 0.72 0.00	27.58 0.87 0.00	24.44 0.75 0.00	17.58 0.64 3.03	12.86 0.49 4.75	10.54 0.59 6.07	18.59 0.80 2.01	28.60 1.25 0.00	29.19 1.37 0.00	35.76 1.82 0.00	39.12 2.13 0.00	38.44 2.04 0.00	36.09 1.87 0.00	32.68 1.61 0.00	24.82 1.15 0.00	27.78 1.22 0.00	28.04 1.10 0.00



WEST BABYLON___IC 23714	14.99 1.13 0.00	20.45 1.31 0.00	28.19 1.79 0.00	25.97 1.78 0.00	19.02 1.33 0.00	17.25 1.14 0.00	26.21 1.77 0.00	22.64 1.77 0.00	28.84 2.13 0.00	25.57 1.89 0.00	26.93 1.78 -5.18	26.77 1.54 -8.11	27.67 1.27 -10.37	24.88 1.64 -3.43	29.67 2.32 0.00	30.23 2.41 0.00	37.08 3.14 0.00	40.69 3.70 0.00	39.99 3.59 0.00	37.59 3.37 0.00	34.02 2.94 0.00	25.85 2.17 0.00	28.92 2.36 0.00	29.14 2.19 0.00
WEST CANADA___HYD 24049	13.86 0.01 0.00	19.16 0.02 0.00	26.43 0.03 0.00	24.22 0.03 0.00	17.71 0.02 0.00	16.13 0.02 0.00	24.47 0.03 0.00	20.91 0.04 0.00	26.76 0.05 0.00	23.71 0.03 0.00	19.99 0.02 0.00	17.14 0.02 0.00	16.03 0.01 0.00	19.82 0.02 0.00	27.38 0.03 0.00	27.85 0.03 0.00	33.98 0.04 0.00	37.06 0.07 0.00	36.45 0.04 0.00	34.25 0.03 0.00	31.11 0.03 0.00	23.72 0.05 0.00	26.60 0.05 0.00	26.97 0.03 0.00
WESTERN_NY_WIND 24143	12.88 -0.98 0.00	17.76 -1.38 0.00	24.59 -1.81 0.00	22.39 -1.80 0.00	16.38 -1.31 0.00	14.98 -1.14 0.00	22.94 -1.50 0.00	17.34 -1.59 1.93	19.53 -1.77 5.41	20.89 -1.54 1.26	15.52 -1.31 3.15	12.21 -1.07 3.85	10.18 -1.19 4.65	13.34 -1.34 5.12	19.47 -1.78 6.10	19.48 -1.93 6.41	24.40 -2.34 7.20	26.41 -2.80 7.78	26.11 -2.76 7.53	24.50 -2.50 7.22	22.30 -2.17 6.61	21.38 -1.88 0.42	24.90 -1.66 0.00	25.51 -1.44 0.00
WESTOVER___LESR 323668	13.60 -0.26 0.00	18.82 -0.32 0.00	26.04 -0.36 0.00	23.82 -0.37 0.00	17.39 -0.30 0.00	15.85 -0.26 0.00	24.14 -0.31 0.00	20.52 -0.34 0.00	26.29 -0.42 0.00	23.27 -0.41 0.00	19.00 -0.39 0.58	15.95 -0.26 0.91	14.62 -0.24 1.16	19.19 -0.23 0.38	27.07 -0.28 0.00	27.45 -0.36 0.00	33.51 -0.43 0.00	36.45 -0.54 0.00	35.87 -0.53 0.00	33.64 -0.58 0.00	30.58 -0.50 0.00	23.22 -0.46 0.00	26.14 -0.41 0.00	26.58 -0.37 0.00
WETHRSFD_WT_PWR 323626	12.33 -1.53 0.00	17.07 -2.07 0.00	23.66 -2.74 0.00	21.53 -2.67 0.00	15.71 -1.98 0.00	14.32 -1.79 0.00	21.91 -2.53 0.00	6.17 -2.46 12.24	-11.04 -2.95 34.79	13.00 -2.65 8.04	-2.76 -2.26 20.47	-9.56 -1.81 24.88	-15.31 -1.76 29.58	-14.83 -2.11 32.52	-14.20 -2.80 38.76	-15.86 -2.96 40.72	-15.37 -3.59 45.72	-16.51 -4.06 49.44	-15.41 -4.00 47.81	-15.42 -3.79 45.85	-14.25 -3.35 41.98	18.20 -2.80 2.68	23.93 -2.63 0.00	24.67 -2.28 0.00
WHAVSTOR_138KV_BK127 55557	14.41 0.56 0.00	19.88 0.74 0.00	27.45 1.05 0.00	25.17 0.97 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.78 0.91 0.00	27.84 1.13 0.00	24.69 1.00 0.00	10.80 0.92 10.10	2.10 0.79 15.81	-3.43 0.77 20.22	14.11 1.00 6.69	28.77 1.41 0.00	29.30 1.48 0.00	35.78 1.84 0.00	39.12 2.13 0.00	38.43 2.02 0.00	36.10 1.88 0.00	32.69 1.62 0.00	24.85 1.17 0.00	27.85 1.30 0.00	28.14 1.19 0.00
WHAVSTOR_138_KV_BK127_REV_LBMP_G 345015	14.41 0.56 0.00	19.88 0.74 0.00	27.45 1.05 0.00	25.17 0.97 0.00	18.41 0.72 0.00	16.74 0.63 0.00	25.43 0.99 0.00	21.78 0.91 0.00	27.84 1.13 0.00	24.69 1.00 0.00	10.80 0.92 10.10	2.10 0.79 15.81	-3.43 0.77 20.22	14.11 1.00 6.69	28.77 1.41 0.00	29.30 1.48 0.00	35.78 1.84 0.00	39.12 2.13 0.00	38.43 2.02 0.00	36.10 1.88 0.00	32.69 1.62 0.00	24.85 1.17 0.00	27.85 1.30 0.00	28.14 1.19 0.00
WHITEHAL_115KV_TB1 80871	14.60 0.75 0.00	20.01 0.86 0.00	27.52 1.12 0.00	25.29 1.09 0.00	18.43 0.74 0.00	16.77 0.66 0.00	25.64 1.20 0.00	22.12 1.26 0.00	28.42 1.72 0.00	25.35 1.66 0.00	22.56 1.32 -1.26	20.36 1.26 -1.98	19.51 0.96 -2.53	21.75 1.11 -0.84	28.96 1.61 0.00	29.51 1.69 0.00	36.11 2.17 0.00	39.54 2.55 0.00	38.90 2.49 0.00	36.54 2.32 0.00	33.14 2.06 0.00	25.15 1.47 0.00	28.07 1.51 0.00	28.33 1.38 0.00
WHITEPLN_13_KV_LOAD 356215	14.63 0.77 0.00	20.15 1.01 0.00	27.80 1.40 0.00	25.49 1.29 0.00	18.64 0.95 0.00	16.96 0.85 0.00	25.78 1.33 0.00	22.11 1.25 0.00	28.28 1.58 0.00	25.09 1.41 0.00	26.62 1.28 -5.36	26.63 1.11 -8.40	27.82 1.06 -10.74	24.73 1.37 -3.56	29.26 1.91 0.00	29.80 1.99 0.00	36.40 2.46 0.00	39.81 2.82 0.00	39.10 2.70 0.00	36.70 2.48 0.00	33.25 2.17 0.00	25.27 1.59 0.00	28.29 1.74 0.00	28.58 1.63 0.00
WM_FLOYD_69_KV_BK2 356380	14.98 1.12 0.00	20.42 1.28 0.00	28.15 1.75 0.00	25.95 1.75 0.00	19.00 1.31 0.00	17.24 1.13 0.00	26.21 1.77 0.00	22.64 1.78 0.00	28.83 2.12 0.00	25.55 1.87 0.00	26.96 1.81 -5.18	26.78 1.54 -8.11	27.63 1.23 -10.37	24.79 1.55 -3.43	29.56 2.21 0.00	30.22 2.40 0.00	37.08 3.14 0.00	40.74 3.75 0.00	40.06 3.65 0.00	37.63 3.41 0.00	34.02 2.95 0.00	25.86 2.18 0.00	28.92 2.36 0.00	29.10 2.16 0.00
WOODARD___115KV_TB2 355635	13.52 -0.33 0.00	18.68 -0.46 0.00	25.78 -0.62 0.00	23.61 -0.59 0.00	17.25 -0.44 0.00	15.72 -0.40 0.00	23.86 -0.58 0.00	20.31 -0.55 0.00	26.05 -0.66 0.00	23.09 -0.60 0.00	19.49 -0.48 0.00	16.74 -0.38 0.00	15.65 -0.37 0.00	19.37 -0.43 0.00	26.72 -0.63 0.00	27.14 -0.68 0.00	33.15 -0.79 0.00	36.10 -0.89 0.00	35.50 -0.91 0.00	33.34 -0.88 0.00	30.29 -0.79 0.00	23.08 -0.59 0.00	25.92 -0.64 0.00	26.32 -0.63 0.00
YORK___WARBASSE 23770	46.05 0.80 -31.39	45.59 1.05 -25.40	45.33 1.47 -17.45	45.33 1.36 -19.78	45.32 1.01 -26.62	45.52 0.88 -28.53	45.95 1.35 -20.16	46.08 1.28 -23.94	46.50 1.59 -18.19	46.41 1.43 -21.30	47.17 1.33 -25.87	46.63 1.14 -28.37	46.28 1.12 -29.15	46.28 1.44 -25.03	47.05 1.95 -17.74	63.27 2.02 -33.43	47.26 2.49 -10.83	90.29 2.83 -50.47	141.64 2.70 -102.53	85.01 2.51 -48.27	54.69 2.22 -21.40	66.68 1.64 -41.36	47.39 1.81 -19.03	47.03 1.72 -18.37